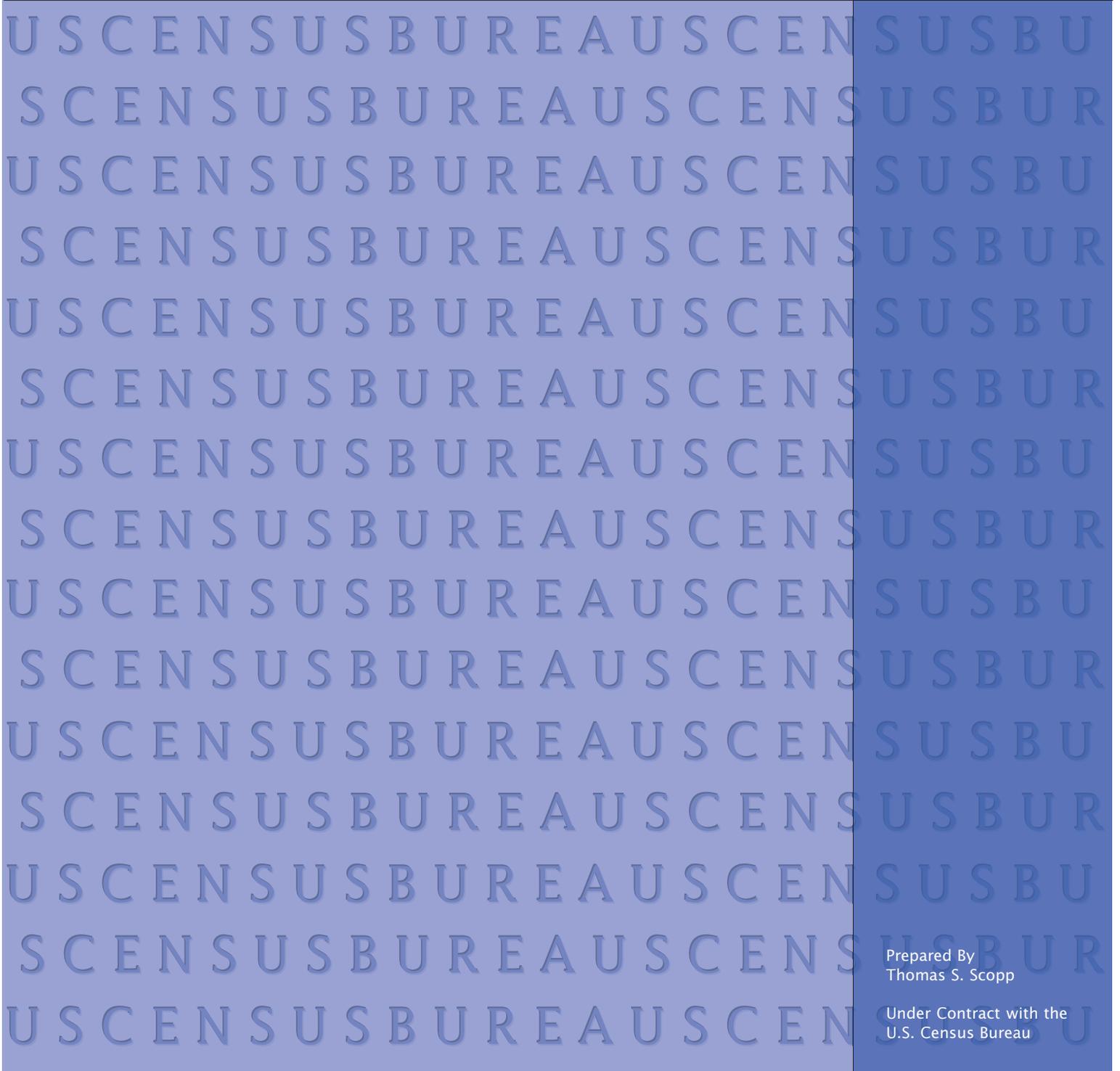


The Relationship Between The 1990 Census and Census 2000 Industry and Occupation Classification Systems

Issued October 2003

Technical Paper #65

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Prepared By
Thomas S. Scopp

Under Contract with the
U.S. Census Bureau

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TechPaper2000Contents.doc	This Table of Contents.
TechPaper2000Text.doc	The Technical Report itself, including Appendices.
TechPaper2000Tab1.xls	Table 1.
TechPaper2000Tab2.xls	Table 2.
TechPaper2000Tab3.xls	Table 3.
TechPaper2000Tab4.xls	Table 4.
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The Relationship Between the 1990 Census and Census 2000 Industry and Occupation Classification Systems

INTRODUCTION

This paper describes the changes in the industry and occupation classification systems used in the 1990 Census of Population and Housing (1990 Census) and the classification systems used in Census 2000. As a result of these changes, many 2000 industry detailed categories and major groups and most 2000 occupation detailed categories and major groups are not comparable to similar categories and groupings in the 1990 and earlier censuses.

The Census Bureau provides data on industries and occupations at several different levels of detail on various data products (also called data sets), which change from census to census. For Census 2000 data analysts can find industry and occupation tables on data sets called Summary File (SF)-3, SF-4, the Equal Employment Opportunity (EEO) File, and Public Use Microdata Samples (PUMS). These products are similar to counterparts produced from the 1990 Census. Some of these 1990 and 2000 products are available on the Census Bureau's website called *American FactFinder* (see www.census.gov).

For Census 2000 the tables found on SF-3 present the industry and occupation data in very aggregated groupings. These tables include "profiles," which show only 13 industry and 6 occupation groups, and "detailed tables," which show 20 industry and 33 occupation groups. In the SF-4 tables the level of detail increases to 90 unique industry and 93 unique occupation categories. The EEO File and "5-percent" PUMS provide data for 471 detailed occupation categories, and finally, the "1-percent" PUMS shows the most detail possible: 509 occupations and 265 industries. For more information about these Census 2000 products and how they compare to their 1990 counterparts, see "Sources of Industry and Occupation Data" below.

Even though the *American FactFinder* and other sources provide data for both the 1990 Census and Census 2000, data analysts cannot compare the industry and occupation categories directly across the two census years. The wording of the categories is different, and, even when the words *appear* to be the same, the definitions of the categories are sometimes different. For example, major parts of "Retail trade" and "Entertainment and recreation services" were defined differently in 1990 than in 2000, even though these words appear in industry tables from both censuses. As another example, "Managers" and "Farming occupations" were defined differently in 1990 than in 2000, even though these words appear in occupation tables from both censuses. These differences were caused by the revisions to the North American Industry Classification System (NAICS) and to the Standard Occupational Classification (SOC). The Census 2000 industry and occupation categories were derived from these two standard classifications, respectively. See the "History" section below for more details.

This report is designed to help analysts compare 1990 and 2000 census data from any of these data products by quantifying the relationship between the two sets of classification systems. Included are detailed tables called "crosswalks," which show the proportional flows for individual industry and occupation categories between the two census years, and tables comparing the different groupings found on SF-3, SF-4, the EEO File, and the PUMS. The Census Bureau derived these proportions from a sample

of actual responses from the 1990 Census and from the *Census 2000 Classified Index of Industries and Occupations*. See the section on the "Creation of the Crosswalks" for more information.

The crosswalks in this report enable analysts to convert the 1990 data at any level of detail into the newer Census 2000 classifications. In theory, it is also possible to convert the 2000 categories into those for 1990 in order to make reverse comparisons over time. This paper does not provide the means to do this reverse conversion for two reasons. First, the conversion factors used in these crosswalks were based on a sample of cases from each category in the 1990 Census; these records were re-coded into the 2000 classifications. This sample, however, did not provide enough cases for each 2000 category (especially for occupations) to make an accurate and meaningful conversion from 2000 back to 1990. Second, the Census Bureau prefers to move forward to the present and express the labor force of 1990 in 2000 terms, since Census 2000 is more up-to-date.

Ideally, different crosswalks could be created based on many different variables, including geography, sex, and race. For example, changes in industrial and occupational distributions are different in New York compared to Kansas, and are different for men and women. To create many different crosswalks depending on all characteristics, however, would require a very large sample controlled for all these variables. Neither financial nor human resources are available to create and analyze such a large sample. For this reason, all the crosswalks shown in this paper are national in scope and treat both sexes and all races equally.

Nevertheless, data users may want to do similar comparisons for sub-national geographic areas, such as states, counties, etc., especially for large groupings of industries and occupations such as those shown on Census 2000 SF-3. For this reason, the Census Bureau is also providing SF-3 "Templates," which contain the conversion factors used to create the U.S. crosswalks that accompany this paper. Using these Templates, data users can apply national conversion factors to any 1990 industry or occupation data from SF-3. Data users, however, will have to apply the same conversion factors and distributions to all levels of geography, both sexes, and all other characteristics, even though this is not a perfect method for comparing industry and occupation data in all circumstances.

HISTORY

From 1940 to 1990, the basic structure of the industry classification system used in the censuses of population was generally the same. The census system in each of these years was based on the structure of the Standard Industrial Classification (SIC) updated during each decade and used throughout the federal government during that time period. The occupation classification system had a similar structure from 1940 to 1960. For 1970 the occupation classification was enlarged by almost 50 percent from 297 categories in 1960 to 441 categories in 1970 because of requests from data users for more detail. The 1980 system had 503 categories, an increase of 14 percent from 1970. The 1980 occupation classification also was a major departure from earlier censuses because of the adoption of the Standard Occupational Classification (SOC) by federal agencies, which became the model for the 1980 census classification. The 1990 system had 501 categories, also based on the 1980 SOC. There was not much change, therefore, between the 1980 and 1990 census occupational classifications. The Census Bureau has from time to time published technical papers containing crosswalk tables that convert the industry and occupation data from one of these past censuses to the classification systems of the previous or subsequent census.¹

¹ Previous examples are Census Bureau Technical Paper 59: *The Relationship Between the 1970 and 1980 Industry and Occupation Classification Systems* (issued February 1989); Technical Paper 26: *1970 Occupation and Industry Classification*

After 1990, however, the crosswalks provided in this paper became necessary even more than in previous censuses, because for the first time both the standard industry and occupation classifications underwent major revisions in the same decade. The 1987 Standard Industrial Classification (SIC) was replaced in 1997 by the North American Industrial Classification System (NAICS), and the 1980 Standard Occupational Classification (SOC) was replaced in 1998 by a completely revamped SOC. The 1998 SOC then evolved into a slightly modified update in 2000. The 1997 NAICS and 2000 SOC, respectively, provided the structure for the Census 2000 Industry and Occupation Classifications. The major differences between the 1997 NAICS and 2000 SOC and their previous counterparts became equally major differences between the 1990 Census and Census 2000 classifications. When data users look at census data from 1990 to 2000, therefore, they are faced with apparent changes in the industrial and occupational distributions of the workforce that are due more to classification revisions than to real changes in the workforce itself. Data users need ways to sort out the classification revisions from the real changes. The crosswalks provide them with the means to do so.

REVISIONS TO THE INDUSTRIAL CLASSIFICATION

As mentioned above, the Census 2000 industrial classification system was based on the structure of the 1997 NAICS. The NAICS replaced the previously used SIC because rapid changes in the U.S. and world economies brought the SIC under increasing criticism. In July 1992, the Office of Management and Budget (OMB) established the Economic Classification Policy Committee (ECPC), and charged it with a “fresh slate” examination of economic classifications for statistical purposes. The ECPC ultimately joined with representatives from Mexico and Canada to develop the NAICS.

The NAICS provides common industry definitions and replaces the previous industrial classifications for all three North American countries. It groups establishments into industries based on the activities in which they are primarily engaged. It is a comprehensive system covering the entire field of economic activities, producing and non-producing. Two classification principles that had the most impact on the differences between the SIC and NAICS are as follows²:

1. NAICS was erected on a production-oriented or supply-based conceptual framework. This means that producing units that use identical or similar production processes are grouped together in the NAICS.
2. The system gives special attention to developing production-oriented classifications for (a) new and emerging industries, (b) service industries in general, and (c) industries engaged in the production of advanced technologies.

The resulting NAICS arranged industries into 20 sectors, compared to 10 divisions used by the 1987 SIC, and 1,170 detailed categories for the United States. The Census Bureau then aggregated these detailed NAICS categories into 265 detailed census categories within the same 20-sector framework of the NAICS.

Systems in Terms of Their 1960 Occupation and Industry Elements (issued July 1972); and Technical Paper 18: *Changes Between the 1950 and 1960 Occupation and Industry Classification* (issued 1968).

² See Bernan Press: *North American Industry Classification System, United States, 1997* (published 1998).

In the change from the 1990 Census to the Census 2000 industrial classification, there were many detailed categories and parts of detailed categories that shifted between the 1990 and 2000 published data. The people in these categories, in effect, “moved” from one category to another as a result of classification change, rather than due to a real change in the workforce. The adjustments made to the 1990 data in this paper account for these movements of people in these categories, and thereby make the 1990 data comparable to the 2000 data.

The following are some major differences between the 1987 SIC and 1997 NAICS, which in turn are reflected as major differences between the 1990 and 2000 census data:

1. The category “Landscape and horticultural services” was part of the group “Agriculture, forestry, and fishing” in the 1990 classification. Most of the people in this category went to “Landscaping services,” which is part of the “Administrative, support, and waste management services” sector in the 2000 classification.
2. The categories for “Newspaper publishing and printing” and other publishing industries were part of the “Manufacturing, nondurable goods” group in 1990. Most of the people in these industries went to “Newspaper publishers” and “Publishing except newspapers and software,” which are part of the “Information” sector in 2000.
3. People working in travel agencies and bureaus went from the “Transportation” group in 1990 to the “Administrative, support, and waste management” sector in 2000.
4. The “Communications and other public utilities” group in 1990 split primarily into two sectors in 2000: “Utilities” and “Information.”
5. The category “Eating and drinking places” was part of “Retail trade” in 1990. Most of the people in this category went to “Restaurants and other food services” and “Drinking places, alcoholic beverages,” both of which are part of the “Accommodation and food services” sector in 2000.
6. The “Finance, insurance, and real estate” group in 1990 split primarily into two sectors in 2000: “Finance and insurance” and “Real estate, and rental and leasing.”
7. The 1990 group “Business and repair services” split into many parts in the 2000 classification. Many people shifted from this 1990 group into the 2000 sectors “Information,” “Professional, scientific, and technical services,” “Administrative, support, and waste management services,” and “Other services (except public administration).”
8. The “Personal services” group in 1990 split primarily into two sectors in 2000: “Administrative, support, and waste management services” and “Other services.”
9. The category “Theatres and motion pictures” was part of the “Entertainment and recreation services” group in 1990. Most of the people in this category went to “Motion pictures and video industries,” “Sound recording industries,” and “Radio and television broadcasting and cable,” all of which are in the “Information” sector in 2000.
10. The 1990 group “Other professional and related services” split into many parts in the 2000 classification. Many people shifted from this 1990 group into the 2000 sectors “Arts,

entertainment, and recreation,” “Health care and social assistance,” “Professional, scientific, and technical services,” and “Other services.”

REVISIONS TO THE OCCUPATIONAL CLASSIFICATION

The Census 2000 occupational classification system was based on the structure of the 2000 SOC. The 2000 SOC replaced the 1980 SOC to reflect the dramatic changes in the nation’s labor force over the previous two decades. In 1994, the OMB established the Standard Occupational Classification Revision Policy Committee (SOCRPC), and charged it with identifying the major statistical uses of occupational classifications, and creating a classification system that reflects the current occupational structure in the United States. More than 15 federal government agencies participated in this process.

Like the 1980 SOC, the new classification covers all occupations in which work is performed for pay or profit, including work performed in family-operated enterprises by family members who are not directly compensated. Occupations are classified based on work performed and on required skills, education, training, and credentials³. The SOCRPC decided, however, to rearrange the entire structure of the classification rather than to start with the old SOC and simply try to make improvements. For the new SOC, the SOCRPC chose to arrange the world of work into “job families,” in which people who work together are classified together. The end result was truly a major change from the past.

The principle behind the concept of “job families” in the new SOC was to place people who worked together in the same group, regardless of their skill levels. Based on this concept, many occupations that used to be called professionals and technicians now appear together in the same group. For example, physicians, registered nurses, and medical laboratory technicians are all in the same SOC and census major group in 2000. This arrangement differs from that of the old SOC, where these levels of occupations were separate.

On the other hand, while first-line supervisors are found in the same major groups as the workers they supervise, higher management levels are not. Managers are in their own major group. For example, farm managers and self-employed farmers are now under the group for “Managerial occupations” instead of the group for “Farming, fishing, and forestry occupations,” where they were classified in the past.

The resulting 2000 SOC arranged occupations into 23 major groups, compared to 22 divisions used by the 1980 SOC, and 821 detailed categories. The Census Bureau then aggregated these detailed SOC categories into 509 detailed census categories within the same 23-major group framework of the SOC.

In the change from the 1990 Census to the Census 2000 occupational classification, there were many detailed categories and parts of detailed categories that shifted between the 1990 and 2000 published data. The people in these categories, in effect, “moved” from one category to another as a result of classification change rather than due to a real change in the workforce. The adjustments made to the 1990 data in this paper account for these movements of people in these categories, and thereby make the 1990 data comparable to the 2000 data.

The following are some of the major differences between the 1980 and 2000 SOC, which in turn are reflected as major differences between the 1990 and 2000 census data:

³ See Berman Associates: *Standard Occupational Classification Manual: 2000*; October 2000.

1. There is an increased number of occupations formerly called “professional” and “technical,” especially healthcare and computer-related occupations; the professional and technical occupations are classified together within major groups rather than kept separate from each other.
2. There is an increase in management and service-related occupations.
3. Conversely, there is a decrease in the number of clerical, maintenance, and production occupations.
4. There is no longer a distinction between officials/managers in public administration and managers in the private sector.
5. Farmers and farm managers are now with management occupations rather than with other farming occupations.
6. There is no longer a separate group for private household workers; they are now in different groups with similar occupations.
7. Helpers are now in the same major groups as the occupations they help.

CREATION OF THE CROSSWALKS

General Approach

There are two basic methods for creating crosswalks that we can use to examine the flows from each industry and occupation code in one classification, e.g., 1990, into each code in the other classification, e.g., 2000.

One helpful way to look at these flows is to examine the industry and occupation “titles” found in the *Alphabetical and Classified Indexes of Industries and Occupations* published for both censuses. The matching of industry and occupation titles provides information about the intended, or “ideal,” changes from each industry and occupation code of one classification into each industry and occupation code of the other classification. Coding error is minimal. However, this matching does not provide data on the distribution of actual *people* being moved from one category to another.

The other method is to “double-code” a sample of census data into both the 1990 and 2000 industry and occupation classifications. This process puts each person in the sample into both classification sets. This process thereby provides information on the proportion of actual workers that went from one census category into another. But unfortunately, any coding process involves coding error. In both censuses, these errors average about 7-8 percent for detailed industry codes, and 10-12 percent for occupation codes. These errors contaminate the comparisons across classifications, because they create false combinations of 1990 and 2000 codes.

Given that both the double-coded samples and the index titles methods have advantages and disadvantages by themselves, therefore, the crosswalks presented in this paper attempt to merge the best of both methods. The Census Bureau used information from both sources to calculate conversion factors,

apply those factors to census data from the 1990 Census categories, make those categories comparable to the Census 2000 categories, and redistribute the 1990 data based on these factors.

Census 2000 Classified Indexes

For every census the Census Bureau has maintained lists of very detailed industry descriptions and occupation titles in its *Alphabetical and Classified Indexes of Industries and Occupations*. The indexes developed for Census 2000 contain more than 21,000 industry lines and 31,000 occupation lines. Each index was an update of the corresponding index from the previous census; for each census, obsolete industries and occupations were removed, and new ones were added.

Because the 2000 indexes were derived from the 1990 versions, therefore, all the industry and occupation titles that carried over from 1990 to 2000 contained both the 1990 and 2000 census codes. In effect, each of these industry and occupation lines was “double-coded” into both census classifications. This process is similar in concept to the “double-coding” described above for a sample of census responses.

The classified indexes sort the industry and occupation lines by census code. Before Census 2000 was conducted, the Census Bureau cross-tabulated the number of lines assigned to each 1990 census code by the number of lines assigned to each 2000 census code. The resulting matrix provided a first look at the distributions of each 1990 code into the new 2000 classification systems, and vice versa.

When Census Bureau staff examined the 1990-2000 distributions in this matrix, they found a number of anomalies. That is, some lines assigned to a 1990 code were apparently going to 2000 categories that were logically inconsistent with the 1990 categories. This examination uncovered errors in the indexes that the Census Bureau could correct before using those materials for processing actual census responses. Once the appropriate index lines were corrected, the cross-tabulation of 1990 by 2000 codes was re-done. The result was a set of “crosswalks” of detailed industries and occupations **expected** to go from each 1990 category to each 2000 category.⁴

We use the word “expected” here because three situations could have an effect on the actual distributions of industries and occupations between census classifications in tabulated data:

1. The crosswalks based on the index show the distribution of industry and occupation **titles**, but not necessarily the distribution of **people** using those titles. For example, the index might show that half of the titles for a specific 1990 occupation category went to a new 2000 category (and the other half went to a different 2000 category). But if one of those occupation titles was very common and was actually reported by 90 percent of the people in the 1990 category, then a far greater percentage than 50 percent of the people in the 1990 category went to the new (first) 2000 category. Example 2 for Table 2 under the section “Explanation of the Tables,” below, provides a real example of how the distribution of people can differ from the distribution of occupational titles for the same 1990 category.
2. The index crosswalk was based only on industry and occupation titles that were common to both the 1990 and 2000 indexes. New lines added to the 2000 indexes were not coded back to the 1990 classifications. Therefore, people who reported one of the new titles could get a 2000 code that

⁴ The crosswalk of occupation index titles is available from the Census Bureau as an Access database. This database provides tables that show the distributions of occupation titles from the 1990 Census classification to the SOC to the Census 2000 classification, and vice versa.

would have been assigned to an “unexpected” 1990 category if the title had existed in the 1990 index.⁵

3. The 2000 occupation index was affected by changes to the 2000 industry classification that occurred, in turn, as a result of the new NAICS. Many occupational titles can go to different occupation categories, depending on the industry in which that occupation is found. For example, a “chaser” in the logging industry goes to a different occupation category (“logging workers”) than a “chaser” in a finance company (the category for “bill and account collectors”). The assignment of these titles from the index depends, therefore, on what the Census Bureau calls “industry restrictions” provided for each line in the index. Changes to these industry restrictions caused by changes in the NAICS had subtle effects on the distributions between 1990 and 2000 occupation categories that are not always reflected in the occupation index crosswalks.

In addition to showing the number of lines in the indexes going from one category to another, the index crosswalks also computed the expected percentage of each 1990 category going to each 2000 category. These distributions of numbers and percentages provided information that helped determine the accuracy of the double-coding of the sample of 1990 industry and occupation responses, as described below.

Double-coded 1990 Census Sample

The 1990 Census Sample used for this project was selected so that it would contain at least 200 records for each 1990 3-digit industry and occupation code assigned to the “experienced civilian labor force (ECLF).” The experienced civilian labor force, for purposes of this analysis, consists of all non-military individuals who were either employed or unemployed at the time of the census enumeration, and who provided a description of their current job, or (if unemployed) their most recent job held in the 5 years prior to the census.

Some small occupation categories had fewer than 200 people coded nationwide, so all records for those codes were taken. Each individual code, therefore, had a sample that represented all the people in the ECLF assigned to that code in the 1990 census. The entire sample contained 146,686 records, of which 48,784 were used for the analysis of the industry classifications, and 97,902 were used for analyzing the occupation classifications.

Each record contained the industry and occupation codes originally assigned in the 1990 Census. Over the next 10 years, all the records in sample were re-coded several times, still using the 1990 classifications, by the Census Bureau’s current survey coders and Census 2000 coders in its Jeffersonville, Indiana Processing Office (the National Processing Center, or NPC), and by staff in the Census Bureau’s headquarters in Suitland, Maryland. For each record in sample, the “majority code,” in other words, the industry or occupation code assigned most frequently among the multiple codes, was considered “correct” for initial analysis purposes.

The Census 2000 coding staff at the NPC then re-coded each record in sample twice using the Census 2000 classifications. Lack of resources at the time prevented a third coding, which would have provided a

⁵ Note that in every census a code is assigned to every response, even if the respondent’s specified industry or occupation is not listed in the index. Sometimes coding staff can derive a code from other information that the respondent provides, or simply from an educated judgment. In census processing, this kind of coding-with-judgment is usually performed in a step called “problem referral.”

“majority” choice in most cases when coders assigned different codes to the same records. So the first of the two codes assigned was used for initial analysis purposes.

The selected 1990 and 2000 codes were then cross-tabulated against each other, creating a matrix of 1990-by-2000-code combinations similar in concept to the cross-tabulation of codes assigned to the index lines described in the section above. The distributions of responses to these 1990-by-2000 combinations were then compared to their 1990-by-2000 counterparts created from the 2000 classified index.

These comparisons exposed the fact that coding errors can contaminate the analysis of changes in the labor force from the 1990 classifications to the 2000 systems. Remember that the index crosswalks provided a set of expected changes from 1990 to 2000. The distributions of actual responses, however, often did not match the expected distributions as measured by the index. Many combinations of 1990 and 2000 codes appearing in the 1990 Census Sample did not appear at all in the index crosswalk, and made no logical sense together.

Census Bureau staff identified and examined many of the worst discrepancies between the two sets of distributions. Once again, this examination revealed errors in the index that caused coding errors, but were not caught in the original review of the index described above. Fortunately, this first review of the Census Sample occurred before the Census 2000 processing, so the indexes could be repaired in time for the actual census. At the same time, these coding errors plus others that were not caused by the index were corrected in the 1990 Census Sample.

After the census was completed, staff revisited the 1990 Census Sample and once again compared its 1990-2000 distributions (after the revisions resulting from the first review) to those found in the index crosswalks. This comparison instigated a second review of the sample, particularly for those 1990 codes that showed the largest discrepancies between the sample and the index. Over 18,000 of the 146,000+ records in sample were reviewed. This examination led to the correction of more coding errors, and to the deletion of records containing responses that were judged to be too vague to code accurately. Most of these deletions had no clear “majority” among the multiple codes assigned over the years since 1990. Altogether, over 5300 records were corrected or deleted.

Calculation of the Conversion Factors

Because the index crosswalk represented the expected distribution of the 1990 categories into the 2000 classifications, this source became the starting point for determining which 1990 to 2000 code combinations were “legitimate.” In other words, the starting assumption was that the combination of 1990-2000 codes among the index titles ideally should drive the assignment of those codes to actual census responses.

This assumption, therefore, initially eliminated records in the 1990 Census Sample that contained 1990-2000 code combinations that did not appear in the index crosswalk. In other words, the corollary to this assumption was that any records in the 1990 Census Sample that did not contain a “legitimate” 1990-2000 code combination must contain coding errors that make the records ineligible for inclusion in the computation of conversion factors. The factors used to adjust or redistribute the 1990 tabulated data into the 2000 classifications should not make non-logical conversions based on errors in the sample that created those factors.

The second review of the 1990 Census Sample, however, revealed exceptions to this assumption. As described above in the section about the 2000 Classified Indexes, there are legitimate reasons why 1990-2000 code combinations can appear in a sample of responses that do not appear in the indexes of industry and occupation titles. When the review uncovered these exceptions, the records containing those exceptions were restored to the sample, and their 1990-2000 code combinations were deemed “legitimate,” after all.

Using the revised list of legitimate 1990-2000 code combinations, the 1990 Census Sample records for each 1990 code containing these combinations were used to re-tabulate the percentages of each 1990 category going to each 2000 category. These percentages became the conversion factors applied to the entire 1990 ECLF as shown in the tables that accompany this paper.

To a large extent, the analysis of the occupation data shown in this study followed up on a similar analysis done by staff at the Bureau of Labor Statistics (BLS),⁶ who used the same double-coded index of occupations, and the earlier version of the double-coded 1990 occupation sample before the last round of corrections to the sample. Their methodology eliminated many more combinations of 1990 and 2000 codes, particularly when the sample providing those combinations was very small. The final conversion factors shown in this Census Bureau report are much more detailed, and sometimes differ substantially from those shown in the BLS study.

Explanation of the Tables

Tables 1-3 and 8-9 in this report show 1990 census data for the total civilian labor force in terms of the 1990 and 2000 census classification structures. Tables 4-7 and 10-11 show data for the employed. The conversion factors described above are reflected in all the tables, even those that do not display the detailed factors.

Tables 1 and 2 include all the categories assigned to the labor force in each census:

1990 industry: 236
 2000 industry: 265
 1990 occupation: 501
 2000 occupation: 509

Table 1 shows the number of people from the 1990 ECLF in each 1990 detailed census industry category, the number of these people that would be assigned to each 2000 detailed census industry category, and the conversion factors that led to this redistribution of each 1990 category to each 2000 category. Table 2 is the corresponding occupation table. These tables display both a code and a description of each category for both censuses.

Example 1 (Table 1). 1990 Census industry category 272, “Primary aluminum industries (manufacturing)” split into two Census 2000 categories: 73.3 percent went to 2000 category 268, “Aluminum production and processing,” and 26.7 percent went to category 277, “Foundries.”

Example 2 (Table 2). 1990 Census occupation category 106, “Physicians’ assistants,” split into three Census 2000 categories: 35.4 percent went to 2000 category 311, “Physician assistants,” 41.7 percent

⁶ Eck, Alan: Memorandum to Tom Nardone, “Observations on 2000 Census of Population based occupational employment estimates.” Bureau of Labor Statistics internal report, January 24, 2002.

went to category 340, “Emergency medical technicians (EMTs) and paramedics,” and 22.9 percent went to category 365, “Medical assistants and other healthcare support occupations.” Note that this is a good example of a 1990 category for which the 1990 double-coded sample provided a different distribution of **people** than the census index provided of occupational **titles**. The index predicted a 60-20-20 percent distribution of the 1990 Census category 106 to Census 2000 categories 311, 340, and 365, respectively. But the 1990 sample revealed that a much larger proportion of people (41.7 versus 20 percent) in this 1990 category described themselves as EMTs or paramedics instead of as physician assistants, which put them in Census 2000 category 340 instead of 311.

When only one 2000 category appears for a 1990 category in Table 1 and 2, then that entire 1990 category went into a single 2000 category. The conversion factor is 100 percent. Note, however, that the two categories may not necessarily be exactly equivalent. In other words, even though an entire 1990 category went into a single 2000 category, the reverse may not be true. For example, two 1990 categories could merge into one 2000 category; in this example the 2000 category would be equivalent to the combination of the two 1990 categories.

Example 3 (Table 1). 1990 Census industry category 011, “Agricultural production, livestock” went entirely (100 percent) into Census 2000 category 018, “Animal production.” Note, however, that the reverse is **not** true. Most of 2000 category 018 came from 1990 category 011, but some of it came from 1990 category 030, “Agricultural services, n.e.c.,” and from category 032, “Fishing, hunting, and trapping.”

Example 4 (Table 2). 1990 Census occupation category 003, “Legislators,” went entirely (100 percent) into Census 2000 category 003, “Legislators.” The 1990 and 2000 categories, in this example, are truly equivalent: all of the 1990 category went to one 2000 category and the 2000 category came entirely from the one 1990 category. This, by the way, is the only category where the code (003) is the same for both censuses.

To help analysts sort out those categories that are the most comparable from 1990 to 2000, the last column in Tables 1 and 2 may show a code from 1 to 3 that designates the following levels:

- 1 = Directly comparable (conversion factor = 100 percent); 96 of the 236 1990 industry codes and 180 of the 501 1990 occupation codes got this score.
- 2 = Estimated to be 95-99.99 percent comparable; 46 industry and 82 occupation codes got this score.
- 3 = Estimated to be 90-94.99 percent comparable; 28 industry and 40 occupation codes got this score.

The code will appear on the lines that display the code combinations with conversion factors equal to 90 percent or higher.

Table 3 is very similar to Table 2, but the 501 occupation categories shown on the 1990 Census Equal Employment Opportunity (EEO) File are distributed into only the 471 civilian occupation categories shown on the Census 2000 EEO File and 5% PUMS (plus one more category for the unemployed who were not classified by occupation). For Census 2000 the smallest of the 505 detailed civilian occupation categories had to be aggregated into the 471 to avoid the possible disclosure of information about individual respondents. The “smallest” categories are defined as those with fewer than 10,000 people coded nationwide in 2000.

Example 5 (Table 3): For the EEO File and the 5% PUMS, three detailed categories shown in Table 1, 121 – “Mathematicians,” 123 – “Statisticians,” and 124 – “Miscellaneous mathematical occupations,” were combined into one aggregate category, also numbered 124 – “Miscellaneous mathematical science occupations, including mathematicians and statisticians.” As a result, Table 3 shows that the 1990 Census category 067, “Statisticians,” goes entirely (100 percent) into the Census 2000 aggregate category (124). This is a different result from that shown in Table 1, which displays all the detailed categories without any aggregation. For this report, aggregate category codes are shown in parentheses, such as (124), to distinguish them from the detailed categories with the same numeric code.

Tables 4 and 5 convert the 72 industry categories and 94 occupation categories found on the 1990 product called STF-4 to the 90 industry categories and 93 occupation categories found on the equivalent 2000 product called SF-4.

Tables 6 and 7 convert the 20 industry categories and 13 occupation categories found on the 1990 product called STF-3 to the 20 industry categories and 33 occupation categories found on the equivalent 2000 product called SF-3.

Note: the conversion factors and numbers shown in Tables 6 and 7 differ from and replace preliminary counterparts that the Census Bureau published on its website early in 2003. The revisions were due primarily to coding corrections in the double-coded 1990 Census Sample used as the basis for calculating the conversion factors. See the sections above, “Double-coded 1990 Census Sample” and “Calculation of the Conversion Factors,” for more details.

Tables 8 and 9 take all the information provided in Tables 1 and 2 for industry and occupation, respectively, redistribute the 1990 detailed categories into the 2000 detailed categories, and present the adjusted 1990 data side-by-side with the Census 2000 data for the same categories. Since the adjusted 1990 data are stated in 2000 terms, the two sets of data are comparable. Tables 8 and 9 also show the percent change in the labor force from 1990 to 2000 for each detailed category, and for every aggregate category, subtotal, and grouping shown in the various Census 2000 files and publications.

Similarly, Tables 10 (industry) and 11 (occupation) take all the information provided in Tables 4 through 7, redistribute the 1990 Census groupings found on Summary Tape Files 3 and 4 into the Census 2000 groupings found on Summary Files 3 and 4, and present the adjusted 1990 data next to the comparable Census 2000 data for the same categories. Note that these tables present data for the employed instead of the total civilian labor force. Since these figures are derived from Tables 4 through 7, they also reflect revisions made to the conversion factors since similar data appeared on the Census website early in 2003.

DATA HIGHLIGHTS

The data in this section come from Tables 8 and 9. These tables show that the number of people in the civilian labor force increased by 11.5 percent from 123.5 million in 1990 to 137.7 million in 2000. Industries and occupations showing a percent increase significantly larger than 11.5 percent, therefore, grew at a faster rate than average. The following are highlights of the industry and occupation categories that showed the most change from 1990 to 2000, after adjusting the 1990 data into the 2000 classifications.

Industry

1. Small, new, and residual categories can be affected the most by definition changes. For example, the industry category showing the largest percent increase is “Other information services” (873.8 percent). This is a residual category (code 878) in the “Information” sector of the 2000 classification that did not exist as a separate category in 1990. It includes long-established industries such as news reporting services, news syndicates, press associations, and wire news services; most of these industries were classified as “Business services” (code 741) in 1990. Many relatively new industries, however, are also included in “Other information services,” which may have dramatically swelled the numbers in this 2000 category when compared to 1990. These new industries include internet access providers, online information access services, database information retrieval systems, and other “dot-coms.”
2. The industry category with the next largest percent increase is “Management of companies and enterprises” (547.1 percent). This category is a brand new sector created in the 1997 NAICS. It is supposed to comprise business establishments that hold the securities of companies for the purpose of owning a controlling interest, and establishments that administer, oversee, and manage their overall company or enterprise. This category did not exist as a separately identified category or group in the 1990 Census. In both the 1990 Census and in Census 2000, respondents tended not to provide the kind of information needed to distinguish workers in the management establishment of a larger corporation or enterprise from those that work in the production or service-providing establishments of the same company. As a result, this sector is probably underreported in both censuses, and the apparently huge increase may be an artifact of this underreporting.
3. Other categories with high percentage increases, each doubling or more from 1990 to 2000, were: “Other administrative and other support services” (208.1 percent); “Computer systems design and related services” (199.7 percent); “Home health care services” (136.1 percent); “Professional and commercial equipment and supplies, wholesale” (120.8 percent); “Radio, TV, and computer sales, retail” (103.5 percent); and “Electronic shopping and mail order houses, retail” (102.8 percent).⁷
4. The categories showing the greatest losses, each losing more than 60 percent of its numbers from 1990 to 2000 were: “Resin, synthetic rubber and fibers, and filaments manufacturing” (-76.3 percent); “Electric and gas and other combination utilities” (-67.7 percent); “Metal ore mining” (-64.2 percent); and “Ordnance manufacturing” (-61.1 percent).

Occupation

1. As you might expect, the major occupation group with the largest percent increase from 1990 to 2000 was the one for “Computer specialists,” which more than doubled from 1990 to 2000 (122.2 percent increase). Within this group several detailed categories showed huge increases, some over 1000 percent: “Database administrators” (1773.4 percent increase); “Computer support specialists” (1174.9 percent); “Network systems and data communications analysts” (1022.6 percent); “Network and computer systems administrators” (514.8 percent); and “Computer software engineers” (194.5 percent), among others.

⁷ Increases and decreases may not be statistically significantly different from each other.

2. Another occupation showing an increase of over 1000 percent was the residual category “Physical scientists, all other” (1131.4 percent). This apparent increase, however, may be more due to a coding anomaly than to a real change in the number of physical scientists. Often in the census, respondents do not provide enough information for accurate assignment to a category. In 1990, if a person said he or she was a “scientist” without specifying exactly what kind of scientist, the response was assigned to a processing step called “problem referral,” where a coder had to make a judgment about the correct code to assign, based on the industry or other information provided. These unspecified responses were probably spread among several categories for scientists. In 2000, however, the new SOC and the Census index assigned **all** unspecified scientists to the category for “Physical scientists, all other.” This decision to simplify the coding process probably inflated the number of people assigned to the residual category for physical scientists in Census 2000.
3. In the group “Production occupations,” a computer-related occupation with a very large increase was “Computer control programmers and operators” (731.5 percent). Although this occupation is not part of the “Computer specialists” major group, many workers in this category develop programs to control machining or processing by automatic machine tools, equipment, or systems. In other words, the change in this occupation category may reflect an increase in the use of robotics and other automated processes in production-type industries, and the need for people who can program and operate those processes.
4. Other categories with high percentage increases, each tripling or more from 1990 to 2000, were: “Financial examiners” (482.8 percent); “First-line supervisors/managers of correctional officers (360.7 percent); “Physician assistants” (356.7 percent)⁸; “First-line supervisors/managers of personal service workers (337.9 percent); and “Industrial production managers” (226.7 percent).
5. Most Census 2000 products do not show data for occupation categories with fewer than 10,000 people nationwide. Among the categories *over* this threshold in 2000, the ones showing the greatest losses from 1990 to 2000 were: “Aircraft structure, surfaces, rigging, and systems assemblers” (-81.1 percent); “Railroad brake, signal, and switch operators” (-69.7 percent); “Textile, apparel, and furnishings workers, all other” (-61.6 percent); and “Textile cutting machine setters, operators, and tenders”(-60.9 percent).

ACCURACY AND RELIABILITY OF THE DATA

As from any sample, the proportions (conversion factors) shown in the comparability tables are subject to sampling error, especially when the numbers for a detailed category are very small. Furthermore, since the base sample is from 1990, it reflects the industrial and occupational composition of the labor force at that time. Because industries and occupations change over time, the sample may be less useful for other time periods. Surveys and other databases may measure the industrial and occupational distribution of the labor force differently from the decennial census. Therefore, although the conversion factors contained in this paper can be used for other data sources, the conversion may not be as accurate as for the data from the 1990 census. Remember also the point described earlier in this paper that these factors will vary in accuracy for each sex, race, geographic area, or other characteristic.

⁸ This category includes emergency medical technicians and paramedics.

The data presented in this report are based on a 146,686 case sample of the 1990 census experienced civilian labor force. These data are estimates of the values that would have been obtained if the study had been made on all people in the 1990 experienced civilian labor force.

The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus, is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate.

The Census Bureau provides, in many of its reports and in documentations to its data sets, extensive information and formulas that analysts can use to calculate standard errors and confidence intervals. One such source of this information is Chapter 8 in the documentation for Census 2000 Summary File 3. You can find this documentation at <http://www.census.gov/prod/cen2000/doc/sf3.pdf>.

SOURCES OF INDUSTRY AND OCCUPATION DATA

The Census Bureau's website www.census.gov includes a section called *American FactFinder*, which provides a wealth of data from the last two decennial censuses and from its American Community Survey, which is conducted between the censuses. The following data sets and tables provide industry and occupation data from the decennial censuses.

Note that in all the census products listed here, there is a trade-off between levels of geography and the amount of detail found for industry and occupation categories. For example, Census 2000 SF-3 provides data for very small geographic areas such as census tracts and block groups, but you will find data for only 20 industry and 33 occupation groups. On the other extreme, the Census 2000 1-percent PUMS provides the full detail of 265 industry and 509 occupation categories, but only for very large geographic areas such as entire states, metropolitan areas, and other areas with a minimum population of 400,000.

On *American FactFinder*:

Census 2000:

2000 Summary File (SF) 3; see:

Table DP-3. Profile of Selected Economic Characteristics: 2000

Table QT-P27. Occupation by Sex: 2000

Table QT-P28. Occupation by Sex – Percent Distribution: 2000

Table QT-P29. Industry by Sex: 2000

Table QT-P30. Industry by Sex – Percent Distribution: 2000

Table P49. Sex by Industry for the Employed Civilian Population 16+ Years

Table P50. Sex by Occupation for the Employed Civilian Population 16+ Years

Table P51. Sex by Industry by Class of Worker for the Employed Civilian Population 16+ Years

2000 Summary File (SF) 4; see:

Table DP-3. Profile of Selected Economic Characteristics: 2000 (with race detail)

Table QT-P27. Occupation by Sex: 2000 (with race detail)

Table QT-P28. Occupation by Sex – Percent Distribution: 2000 (with race detail)

Table QT-P29. Industry by Sex: 2000 (with race detail)

Table QT-P30. Industry by Sex – Percent Distribution: 2000 (with race detail)

Table P85. Sex by Industry for the Employed Civilian Population 16+ Years

Table P86. Sex by Occupation for the Employed Civilian Population 16+ Years

Table P87. Sex by Industry by Class of Worker for the Employed Civilian Population 16+ Years

1990 Census:

1990 Summary Tape File (STF) 3; see:

Table DP-3. Labor Force Status and Employment Characteristics: 1990

Table P077. Industry

Table P078. Occupation

Other products available from the Census Bureau:

Census 2000:

2000 EEO Special File: all tables⁹

2000 5-percent Public Use Microdata Samples (PUMS)

2000 1-percent Public Use Microdata Samples (PUMS)

1990 Census:

1990 Summary Tape File (STF) 4; see:

Table PB61. Sex by Industry

Table PB62. Sex by Industry by Class of Worker

Table PB63. Sex by Occupation

1990 EEO File: all tables

1990 5-percent Public Use Microdata Samples (PUMS)

1990 1-percent Public Use Microdata Samples (PUMS)

APPENDICES

The following appendices provide more information related to this paper.

Appendix A: 1990 Census Industrial Classification

Appendix B: 1990 Census Occupational Classification

Appendix C: Census 2000 Industrial Classification, with NAICS Equivalent

Appendix D: Census 2000 Occupational Classification, with SOC Equivalent

Appendix E: Bibliography of Related Texts and Reports

Appendix G: Glossary of Terms and Abbreviations Used in This Paper

⁹ The Census Bureau produced the Census 2000 EEO Special File as a “special tabulation” under contract with a consortium of four other federal agencies. For more information about the content and development of this file, see the documentation provided with this product.

APPENDIX A.
1990 CENSUS OF POPULATION INDUSTRIAL CLASSIFICATION SYSTEM

(Numbers in parentheses are the 1987 SIC codes)

**1990
CENSUS
CODE**

AGRICULTURE, FORESTRY, AND FISHERIES

- 010 Agricultural production, crops (01)
- 011 Agricultural production, livestock (02)
- 012 Veterinary services (074)
- 020 Landscape and horticultural services (078)
- 030 Agricultural services, n.e.c. (071, 072, 075, 076)
- 031 Forestry (08)
- 032 Fishing, hunting, and trapping (09)

MINING

- 040 Metal mining (10)
- 041 Coal mining (12)
- 042 Oil and gas extraction (13)
- 050 Nonmetallic mining and quarrying, except fuels (14)

- 060 **CONSTRUCTION** (15, 16, 17)

MANUFACTURING

Nondurable Goods

Food and kindred products

- 100 Meat products (201)
 - 101 Dairy products (202)
 - 102 Canned, frozen, and preserved fruits and vegetables (203)
 - 110 Grain mill products (204)
 - 111 Bakery products (205)
 - 112 Sugar and confectionery products (206)
 - 120 Beverage industries (208)
 - 121 Miscellaneous food preparations and kindred products (207, 209)
 - 122 Not specified food industries
 - 130 Tobacco manufactures (21)
- Textile mill products
- 132 Knitting mills (225)
 - 140 Dyeing and finishing textiles, except wool and knit goods (226)
 - 141 Carpets and rugs (227)
 - 142 Yarn, thread, and fabric mills (221-224, 228)
 - 150 Miscellaneous textile mill products (229)

**CENSUS
CODE**

MANUFACTURING - *Continued*

Nondurable goods - *Continued*

- Apparel and other finished textile products
- 151 Apparel and accessories, except knit (231-238)
- 152 Miscellaneous fabricated textile products (239)
- Paper and allied products
- 160 Pulp, paper, and paperboard mills (261-263)
- 161 Miscellaneous paper and pulp products (267)
- 162 Paperboard containers and boxes (265)
- Printing, publishing, and allied industries
- 171 Newspaper publishing and printing (271)
- 172 Printing, publishing, and allied industries, except newspapers (272-279)
- Chemicals and allied products
- 180 Plastics, synthetics, and resins (282)
- 181 Drugs (283)
- 182 Soaps and cosmetics (284)
- 190 Paints, varnishes, and related products (285)
- 191 Agricultural chemicals (287)
- 192 Industrial and miscellaneous chemicals (281, 286, 289)
- Petroleum and coal products
- 200 Petroleum refining (291)
- 201 Miscellaneous petroleum and coal products (295, 299)
- Rubber and miscellaneous plastics products
- 210 Tires and inner tubes (301)
- 211 Other rubber products, and plastics footwear and belting (302-306)
- 212 Miscellaneous plastics products (308)
- Leather and leather products
- 220 Leather tanning and finishing (311)
- 221 Footwear, except rubber and plastic (313, 314)
- 222 Leather products, except footwear (315-317, 319)

Durable Goods

- Lumber and wood products, except furniture
- 230 Logging (241)
- 231 Sawmills, planing mills, and millwork (242, 243)
- 232 Wood buildings and mobile homes (245)
- 241 Miscellaneous wood products (244, 249)
- 242 Furniture and fixtures (25)
- Stone, clay, glass, and concrete products
- 250 Glass and glass products (321-323)
- 251 Cement, concrete, gypsum, and plaster products (324, 327)
- 252 Structural clay products (325)
- 261 Pottery and related products (326)
- 262 Miscellaneous nonmetallic mineral and stone products (328, 329)

CENSUS
CODE

MANUFACTURING - *Continued*

Durable Goods - *Continued*

Metal industries

- 270 Blast furnaces, steelworks, rolling and finishing mills (331)
- 271 Iron and steel foundries (332)
- 272 Primary aluminum industries (3334, part 334, 3353-3355, 3363, 3365)
- 280 Other primary metal industries (3331, 3339, part 334, 3351, 3355,3357,3364,3366,3369, 339)
- 281 Cutlery, handtools, and general hardware (342)
- 282 Fabricated structural metal products (344)
- 290 Screw machine products (345)
- 291 Metal forgings and stampings (346)
- 292 Ordnance (348)
- 300 Miscellaneous fabricated metal products (341, 343, 347, 349)
- 301 Not specified metal industries

Machinery and computing equipment

- 310 Engines and turbines (351)
- 311 Farm machinery and equipment (352)
- 312 Construction and material handling machines (353)
- 320 Metalworking machinery (354)
- 321 Office and accounting machines (3578, 3579)
- 322 Computers and related equipment (3571-3577)
- 331 Machinery, except electrical, n.e.c. (355, 356, 358, 359)
- 332 Not specified machinery

Electrical machinery, equipment, and supplies

- 340 Household appliances (363)
- 341 Radio, TV, and communication equipment (365, 366)
- 342 Electrical machinery, equipment, and supplies, n.e.c. (361, 362,364, 367, 369)
- 350 Not specified electrical machinery, equipment, and supplies

Transportation equipment

- 351 Motor vehicles and motor vehicle equipment (371)
- 352 Aircraft and parts (372)
- 360 Ship and boat building and repairing (373)
- 361 Railroad locomotives and equipment (374)
- 362 Guided missiles, space vehicles, and parts (376)
- 370 Cycles and miscellaneous transportation equipment (375, 379)

Professional and photographic equipment, and watches

- 371 Scientific and controlling instruments (381, 382 exc. 3827)
- 372 Medical, dental, and optical instruments and supplies (3827, 384,385)
- 380 Photographic equipment and supplies (386)
- 381 Watches, clocks, and clockwork operated devices (387)
- 390 Toys, amusement, and sporting goods (394)
- 391 Miscellaneous manufacturing industries (39 exc. 394)
- 392 Not specified manufacturing industries

**CENSUS
CODE**

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation

- 400 Railroads (40)
- 401 Bus service and urban transit (41, except 412)
- 402 Taxicab service (412)
- 410 Trucking service (421, 423)
- 411 Warehousing and storage (422)
- 412 U.S. Postal Service (43)
- 420 Water transportation (44)
- 421 Air transportation (45)
- 422 Pipe lines, except natural gas (46)
- 432 Services incidental to transportation (47)

Communications

- 440 Radio and television broadcasting and cable (483, 484)
- 441 Telephone communications (481)
- 442 Telegraph and miscellaneous communications services (482, 489)

Utilities and sanitary services

- 450 Electric light and power (491)
- 451 Gas and steam supply systems (492, 496)
- 452 Electric and gas, and other combinations (493)
- 470 Water supply and irrigation (494, 497)
- 471 Sanitary services (495)
- 472 Not specified utilities

WHOLESALE TRADE

Durable Goods

- 500 Motor vehicles and equipment (501)
- 501 Furniture and home furnishings (502)
- 502 Lumber and construction materials (503)
- 510 Professional and commercial equipment and supplies (504)
- 511 Metals and minerals, except petroleum (505)
- 512 Electrical goods (506)
- 521 Hardware, plumbing and heating supplies (507)
- 530 Machinery, equipment, and supplies (508)
- 531 Scrap and waste materials (5093)
- 532 Miscellaneous wholesale, durable goods (509 exc. 5093)
- 540 Paper and paper products (511)
- 541 Drugs, chemicals and allied products (512, 516)
- 542 Apparel, fabrics, and notions (513)
- 550 Groceries and related products (514)
- 551 Farm-product raw materials (515)
- 552 Petroleum products (517)
- 560 Alcoholic beverages (518)
- 561 Farm supplies (5191)
- 562 Miscellaneous wholesale, nondurable goods (5192-5199)
- 571 Not specified wholesale trade

CENSUS
CODE

RETAIL TRADE

- 580 Lumber and building material retailing (521, 523)
- 581 Hardware stores (525)
- 582 Retail nurseries and garden stores (526)
- 590 Mobile home dealers (527)
- 591 Department stores (531)
- 592 Variety stores (533)
- 600 Miscellaneous general merchandise stores (539)
- 601 Grocery stores (541)
- 602 Dairy products stores (545)
- 610 Retail bakeries (546)
- 611 Food stores, n.e.c. (542, 543, 544, 549)
- 612 Motor vehicle dealers (551, 552)
- 620 Auto and home supply stores (553)
- 621 Gasoline service stations (554)
- 622 Miscellaneous vehicle dealers (555, 556, 557, 559)
- 623 Apparel and accessory stores, except shoe (56, except 566)
- 630 Shoe stores (566)
- 631 Furniture and home furnishings stores (571)
- 632 Household appliance stores (572)
- 633 Radio, TV, and computer stores (5731, 5734)
- 640 Music stores (5735, 5736)
- 641 Eating and drinking places (58)
- 642 Drug stores (591)
- 650 Liquor stores (592)
- 651 Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
- 652 Book and stationery stores (5942, 5943)
- 660 Jewelry stores (5944)
- 661 Gift, novelty, and souvenir shops (5947)
- 662 Sewing, needlework and piece goods stores (5949)
- 663 Catalog and mail order houses (5961)
- 670 Vending machine operators (5962)
- 671 Direct selling establishments (5963)
- 672 Fuel dealers (598)
- 681 Retail florists (5992)
- 682 Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
- 691 Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

- 700 Banking (60 exc. 603 and 606)
- 701 Savings institutions, including credit unions (603, 606)
- 702 Credit agencies, n.e.c. (61)
- 710 Security, commodity brokerage, and investment companies (62, 67)
- 711 Insurance (63, 64)
- 712 Real estate, including real estate-insurance offices (65)

CENSUS
CODE**BUSINESS AND REPAIR SERVICES**

- 721 Advertising (731)
- 722 Services to dwellings and other buildings (734)
- 731 Personnel supply services (736)
- 732 Computer and data processing services (737)
- 740 Detective and protective services (7381, 7382)
- 741 Business services, n.e.c. (732, 733, 735, 7383-7389)
- 742 Automotive rental and leasing, without drivers (751)
- 750 Automobile parking and carwashes (752, 7542)
- 751 Automotive repair and related services (753, 7549)
- 752 Electrical repair shops (762, 7694)
- 760 Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

- 761 Private households (88)
- 762 Hotels and motels (701)
- 770 Lodging places, except hotels and motels (702, 703, 704)
- 771 Laundry, cleaning, and garment services (721 exc. part 7219)
- 772 Beauty shops (723)
- 780 Barber shops (724)
- 781 Funeral service and crematories (726)
- 782 Shoe repair shops (725)
- 790 Dressmaking shops (part 7219)
- 791 Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

- 800 Theaters and motion pictures (781-783, 792)
- 801 Video tape rental (784)
- 802 Bowling centers (793)
- 810 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

- 812 Offices and clinics of physicians (801, 803)
- 820 Offices and clinics of dentists (802)
- 821 Offices and clinics of chiropractors (8041)
- 822 Offices and clinics of optometrists (8042)
- 830 Offices and clinics of health practitioners, n.e.c. (8043, 8049)
- 831 Hospitals (806)
- 832 Nursing and personal care facilities (805)
- 840 Health services, n.e.c. (807, 808, 809)
- 841 Legal services (81)
- 842 Elementary and secondary schools (821)
- 850 Colleges and universities (822)
- 851 Vocational schools (824)

CENSUS
CODE**PROFESSIONAL AND RELATED SERVICES - *Continued***

- 852 Libraries (823)
- 860 Educational services, n.e.c. (829)
- 861 Job training and vocational rehabilitation services (833)
- 862 Child day care services (part 835)
- 863 Family child care homes (part 835)
- 870 Residential care facilities, without nursing (836)
- 871 Social services, n.e.c. (832, 839)
- 872 Museums, art galleries, and zoos (84)
- 873 Labor unions (863)
- 880 Religious organizations (866)
- 881 Membership organizations, n.e.c. (861, 862, 864, 865, 869)
- 882 Engineering, architectural, and surveying services (871)
- 890 Accounting, auditing, and bookkeeping services (872)
- 891 Research, development, and testing services (873)
- 892 Management and public relations services (874)
- 893 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

- 900 Executive and legislative offices (911-913)
- 901 General government, n.e.c. (919)
- 910 Justice, public order, and safety (92)
- 921 Public finance, taxation, and monetary policy (93)
- 922 Administration of human resources programs (94)
- 930 Administration of environmental quality and housing programs (95)
- 931 Administration of economic programs (96)
- 932 National security and international affairs (97)

ACTIVE DUTY MILITARY

Armed Forces

- 940 Army
- 941 Air Force
- 942 Navy
- 950 Marines
- 951 Coast Guard
- 952 Armed Forces, Branch not specified
- 960 Military Reserves or National Guard

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

- 992 Last worked 1984 or earlier

APPENDIX B
1990 CENSUS OF POPULATION OCCUPATIONAL CLASSIFICATION SYSTEM

(The numbers in parentheses refer to the 1980 Standard Occupational Classification codes.
 "Pt" means part. "N.e.c." means not elsewhere classified.)

1990
CENSUS
CODE

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Postmasters and mail superintendents (1344)
017	Managers, food serving and lodging establishments (1351)
018	Managers, properties and real estate (1353)
019	Funeral directors (pt 1359)
021	Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022	Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations

023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade, except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, except construction (1473)
037	Management related occupations, n.e.c. (149)

Professional Specialty Occupations

	Engineers, Architects, and Surveyors
043	Architects (161)
	Engineers
044	Aerospace (1622)

045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Respiratory therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)

116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)

	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist printmakers (325)
189	Photographers (326)
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

	Health Technologists and Technicians
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health technologists and technicians, n.e.c. (369)
	Technologists and Technicians, Except Health
	Engineering and Related Technologists and Technicians
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
	Science Technicians
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
	Technicians; Except Health, Engineering, and Science
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)

Sales Occupations

243	Supervisors and proprietors, sales occupations (40)
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	Sales Representatives, Finance and Business Services
253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)
	Sales Representatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
	Secretaries, Stenographers, and Typists
313	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	Records Processing Occupations, Except Financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)

327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4699)
	Financial Records Processing Occupations
337	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
	Duplicating, Mail and Other Office Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
	Communications Equipment Operators
348	Telephone operators (4732)
353	Communications equipment operators, n.e.c. (4733, 4739)
	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
	Material Recording, Scheduling, and Distributing Clerks
359	Dispatchers (4751)
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
368	Weighers, measurers, checkers and samplers (4756, 4757)
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
	Adjusters and Investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers' aides (4795)
389	Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

- 403 Launderers and ironers (503)
- 404 Cooks, private household (504)
- 405 Housekeepers and butlers (505)
- 406 Child care workers, private household (506)
- 407 Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

- Supervisors, Protective Service Occupations
 - 413 Supervisors, firefighting and fire prevention occupations (5111)
 - 414 Supervisors, police and detectives (5112)
 - 415 Supervisors, guards (5113)
- Firefighting and Fire Prevention Occupations
 - 416 Fire inspection and fire prevention occupations (5122)
 - 417 Firefighting occupations (5123)
- Police and Detectives
 - 418 Police and detectives, public service (5132)
 - 423 Sheriffs, bailiffs, and other law enforcement officers (5134)
 - 424 Correctional institution officers (5133)
- Guards
 - 425 Crossing guards (5142)
 - 426 Guards and police, exc. public service (5144)
 - 427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

- Food Preparation and Service Occupations
 - 433 Supervisors, food preparation and service occupations (5211)
 - 434 Bartenders (5212)
 - 435 Waiters and waitresses (5213)
 - 436 Cooks (5214, 5215)
 - 438 Food counter, fountain and related occupations (5216)
 - 439 Kitchen workers, food preparation (5217)
 - 443 Waiters'/waitresses' assistants (5218)
 - 444 Miscellaneous food preparation occupations (5219)
- Health Service Occupations
 - 445 Dental assistants (5232)
 - 446 Health aides, except nursing (5233)
 - 447 Nursing aides, orderlies, and attendants (5236)
- Cleaning and Building Service Occupations, except Household
 - 448 Supervisors, cleaning and building service workers (5241)
 - 449 Maids and housemen (5242, 5249)
 - 453 Janitors and cleaners (5244)
 - 454 Elevator operators (5245)
 - 455 Pest control occupations (5246)
- Personal Service Occupations
 - 456 Supervisors, personal service occupations (5251)

457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
461	Guides (5255)
462	Ushers (5256)
463	Public transportation attendants (5257)
464	Baggage porters and bellhops (5262)
465	Welfare service aides (5263)
466	Family child care providers (pt 5264)
467	Early childhood teacher's assistants (pt 5264)
468	Child care workers, n.e.c. (pt 5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

	Farm Operators and Managers
473	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
	Other Agricultural and Related Occupations
	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
	Forestry and Logging Occupations
494	Supervisors, forestry, and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

	Mechanics and Repairers
503	Supervisors, mechanics and repairers (60)
	Mechanics and Repairers, Except Supervisors
	Vehicle and Mobile Equipment Mechanics and Repairers
505	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)

509	Small engine repairers (6114)
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
529	Telephone installers and repairers (6158)
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (616)
	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
549	Not specified mechanics and repairers
	Construction Trades
	Supervisors, Construction Occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6314)
556	Supervisors; painters, paperhangers, and plasterers (6315)
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, construction, n.e.c. (6311, 6318)
	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (pt 6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)

594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
	Precision Production Occupations
628	Supervisors, production occupations (67, 71)
	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
674	Miscellaneous precision apparel and fabric workers (6856, 6859, pt 7752)
	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)

688	Food batchmakers (6873, 6879)
	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)
	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

	Machine Operators and Tenders, except Precision
	Metal working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	Printing Machine Operators
734	Printing press operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)

749	Miscellaneous textile machine operators (7459, 7659)
	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779	Machine operators, not specified
	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
789	Hand painting, coating, and decorating occupations (7756)
793	Hand engraving and printing occupations (7757)
795	Miscellaneous hand working occupations (7758, 7759)
	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators

803	Supervisors, motor vehicle operators (8111)
804	Truck drivers (8212-8214)
806	Driver-sales workers (8218)
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)

Transportation Occupations, Except Motor Vehicles

Rail Transportation Occupations

823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)

Water Transportation Occupations

- 828 Ship captains and mates, except fishing boats (pt 8241, 8242)
- 829 Sailors and deckhands (8243)
- 833 Marine engineers (8244)
- 834 Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators

- 843 Supervisors, material moving equipment operators (812)
- 844 Operating engineers (8312)
- 845 Longshore equipment operators (8313)
- 848 Hoist and winch operators (8314)
- 849 Crane and tower operators (8315)
- 853 Excavating and loading machine operators (8316)
- 855 Grader, dozer, and scraper operators (8317)
- 856 Industrial truck and tractor equipment operators (8318)
- 859 Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

- 864 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
- 865 Helpers, mechanics and repairers (863)
- Helpers, Construction and Extractive Occupations
- 866 Helpers, construction trades (8641-8645, 8648)
- 867 Helpers, surveyor (8646)
- 868 Helpers, extractive occupations (865)
- 869 Construction laborers (871)
- 874 Production helpers (861, 862)
- Freight, Stock, and Material Handlers
- 875 Garbage collectors (8722)
- 876 Stevedores (8723)
- 877 Stock handlers and baggers (8724)
- 878 Machine feeders and offbearers (8725)
- 883 Freight, stock, and material handlers, n.e.c. (8726)
- 885 Garage and service station related occupations (873)
- 887 Vehicle washers and equipment cleaners (875)
- 888 Hand packers and packagers (8761)
- 889 Laborers, except construction (8769)

MILITARY OCCUPATIONS¹⁰

- 903 Commissioned officers and warrant officers
- 904 Non-commissioned officers and other enlisted personnel
- 905 Military occupation, rank not specified

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

- 909 Last worked 1984 or earlier

¹⁰Includes only uniquely military occupations. Other Armed Forces members are coded to civilian occupations.

APPENDIX C. CENSUS 2000 INDUSTRY CLASSIFICATION, WITH 1997 NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) EQUIVALENTS

Census 2000		1997 NAICS
Code	Category Title	Codes
017	Crop production	111
018	Animal production	112
019	Forestry except logging	1131, 1132
027	Logging	1133
028	Fishing, hunting, and trapping	114
029	Support activities for agriculture and forestry	115
037	Oil and gas extraction	211
038	Coal mining	2121
039	Metal ore mining	2122
047	Nonmetallic mineral mining and quarrying	2123
048	Not specified type of mining	Part of 21
049	Support activities for mining	213
057	Electric power generation transmission and distribution	2211
058	Natural gas distribution	2212
059	Electric and gas and other combinations	Pts. 2211, 2212
067	Water, steam, air-conditioning, and irrigation systems	22131, 22133
068	Sewage treatment facilities	22132
069	Not specified utilities	Part of 22
077	Construction	23
107	Animal food, grain, and oilseed milling	3111, 3112
108	Sugar and confectionery products	3113
109	Fruit and vegetable preserving and specialty food manufacturing	3114
117	Dairy product manufacturing	3115
118	Animal slaughtering and processing	3116
119	Retail bakeries	311811
127	Bakeries except retail	3118 exc. 311811
128	Seafood and other miscellaneous foods n.e.c.	3117, 3119
129	Not specified food industries	Part of 311
137	Beverage manufacturing	3121
139	Tobacco manufacturing	3122
147	Fiber, yarn, and thread mills	3131
148	Fabric mills, except knitting	3132 exc. 31324
149	Textile and fabric finishing and coating mills	3133
157	Carpets and rugs manufacturing	31411
159	Textile product mills except carpets and rugs	314 exc. 31411
167	Knitting mills	31324, 3151
168	Cut and sew apparel manufacturing	3152
169	Apparel accessories and other apparel manufacturing	3159
177	Footwear manufacturing	3162
179	Leather tanning and products, except footwear manufacturing	3161, 3169
187	Pulp, paper, and paperboard mills	3221
188	Paperboard containers and boxes	32221

Census 2000		1997 NAICS
Code	Category Title	Codes
189	Miscellaneous paper and pulp products	32222, 32223, 32229
199	Printing and related support activities	3231
207	Petroleum refining	32411
209	Miscellaneous petroleum and coal products	32412, 32419
217	Resin, synthetic rubber and fibers, and filaments manufacturing	3252
218	Agricultural chemical manufacturing	3253
219	Pharmaceutical and medicine manufacturing	3254
227	Paint, coating, and adhesives manufacturing	3255
228	Soap, cleaning compound, and cosmetic manufacturing	3256
229	Industrial and miscellaneous chemicals	3251, 3259
237	Plastics product manufacturing	3261
238	Tire manufacturing	32621
239	Rubber products, except tires, manufacturing	32622, 32629
247	Pottery, ceramics, and related products manufacturing	32711
248	Structural clay product manufacturing	32712
249	Glass and glass product manufacturing	3272
257	Cement, concrete, lime, and gypsum product manufacturing	3273, 3274
259	Miscellaneous nonmetallic mineral product manufacturing	3279
267	Iron and steel mills and steel product manufacturing	3311, 3312
268	Aluminum production and processing	3313
269	Nonferrous metal, except aluminum, production and processing	3314
277	Foundries	3315
278	Metal forgings and stampings	3321
279	Cutlery and hand tool manufacturing	3322
287	Structural metals and tank and shipping container manufacturing	3323, 3324
288	Machine shops; turned product; screw nut and bolt manufacturing	3327
289	Coating, engraving, heat treating and allied activities	3328
297	Ordnance	332992-332995
298	Miscellaneous fabricated metal products manufacturing	3325, 3326, 3329 exc. 332992-332995
299	Not specified metal industries	Part of 331 and 332
307	Agricultural implement manufacturing	33311
308	Construction mining and oil field machinery manufacturing	33312, 33313
309	Commercial and service industry machinery manufacturing	3333
317	Metalworking machinery manufacturing	3335
318	Engines, turbines, and power transmission equipment manufacturing	3336
319	Machinery manufacturing, n.e.c.	3332, 3334, 3339
329	Not specified machinery manufacturing	Part of 333
336	Computer and peripheral equipment manufacturing	3341
337	Communications, audio, and video equipment manufacturing	3342, 3343
338	Navigational, measuring, electromedical, and control instruments manufacturing	3345
339	Electronic component and product manufacturing, n.e.c.	3344, 3346
347	Household appliance manufacturing	3352

Census 2000		1997 NAICS
Code	Category Title	Codes
349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.	3351, 3353, 3359
357	Motor vehicles and motor vehicle equipment manufacturing	3361, 3362, 3363
358	Aircraft and parts manufacturing	336411-336413
359	Aerospace product and parts manufacturing	336414-336419
367	Railroad rolling stock manufacturing	3365
368	Ship and boat building	3366
369	Other transportation equipment manufacturing	3369
377	Sawmills and wood preservation	3211
378	Veneer, plywood, and engineered wood product manufacturing	3212
379	Prefabricated wood buildings and mobile homes manufacturing	321991, 321992
387	Miscellaneous wood product manufacturing	3219 exc. 321991, 321992
389	Furniture and fixtures	337
396	Medical equipment and supplies manufacturing	3391
397	Toys, amusement, and sporting goods manufacturing	33992, 33993
398	Miscellaneous manufacturing, n.e.c.	3399 exc. 33992, 33993
399	Not specified manufacturing industries	Part of 31-33
407	Motor vehicles, parts and supplies wholesalers	4211
408	Furniture and home furnishing wholesalers	4212
409	Lumber and other construction materials wholesalers	4213
417	Professional and commercial equipment and supplies wholesalers	4214
418	Metals and minerals, except petroleum, wholesalers	4215
419	Electrical goods wholesalers	4216
426	Hardware, plumbing and heating equipment, and supplies wholesalers	4217
427	Machinery, equipment, and supplies wholesalers	4218
428	Recyclable material wholesalers	42193
429	Miscellaneous durable goods wholesalers	4219 exc. 42193
437	Paper and paper product wholesalers	4221
438	Drugs, sundries, and chemical and allied product wholesalers	4222, 4226
439	Apparel, fabrics, and notions wholesalers	4223
447	Groceries and related product wholesalers	4224
448	Farm product raw material wholesalers	4225
449	Petroleum and petroleum product wholesalers	4227
456	Alcoholic beverage wholesalers	4228
457	Farm supplies wholesalers	42291
458	Miscellaneous nondurable goods wholesalers	4229 exc. 42291
459	Not specified wholesale trade	Part of 42
467	Automobile dealers	4411
468	Other motor vehicle dealers	4412
469	Auto parts, accessories, and tire stores	4413
477	Furniture and home furnishings stores	442
478	Household appliance stores	443111
479	Radio, TV, and computer stores	443112, 44312
487	Building material and supplies dealers	4441 exc. 44413

Census 2000		1997 NAICS
Code	Category Title	Codes
488	Hardware stores	44413
489	Lawn and garden equipment and supplies stores	4442
497	Grocery stores	4451
498	Specialty food stores	4452
499	Beer, wine, and liquor stores	4453
507	Pharmacies and drug stores	44611
508	Health and personal care, except drug, stores	446 exc. 44611
509	Gasoline stations	447
517	Clothing and accessories, except shoe, stores	448 exc. 44821 and 4483
518	Shoe stores	44821
519	Jewelry, luggage, and leather goods stores	4483
527	Sporting goods, camera, and hobby and toy stores	44313, 45111, 45112
528	Sewing, needlework and piece goods stores	45113
529	Music stores	45114, 45122
537	Book stores and news dealers	45121
538	Department stores	45211
539	Miscellaneous general merchandise stores	4529
547	Retail florists	4531
548	Office supplies and stationary stores	45321
549	Used merchandise stores	4533
557	Gift, novelty, and souvenir shops	45322
558	Miscellaneous retail stores	4539
559	Electronic shopping and mail-order houses	45411
567	Vending machine operators	45421
568	Fuel dealers	45431
569	Other direct selling establishments	45439
579	Not specified retail trade	Part of 44-45
607	Air transportation	481
608	Rail transportation	482
609	Water transportation	483
617	Truck transportation	484
618	Bus service and urban transit	4851, 4852, 4854-4859
619	Taxi and limousine service	4853
627	Pipeline transportation	486
628	Scenic and sightseeing transportation	487
629	Services incidental to transportation	488
637	Postal Service	491
638	Courier and messengers	492
639	Warehousing and storage	493
647	Newspaper publishers	51111
648	Publishing except newspapers and software	5111 exc. 51111
649	Software publishing	5112
657	Motion pictures and video industries	5121
659	Sound recording industries	5122
667	Radio and television broadcasting and cable	5131, 5132
668	Wired telecommunications carriers	51331

Census 2000		1997 NAICS
Code	Category Title	Codes
669	Other telecommunication services	5133 exc. 51331
677	Libraries and archives	51412
678	Other information services	5141 exc. 51412
679	Data processing services	5142
687	Banking and related activities	521, 52211, 52219
688	Savings institutions, including credit unions	52212, 52213
689	Non-depository credit and related activities	5222, 5223
697	Securities, commodities, funds, trusts, and other financial investments	523, 525
699	Insurance carriers and related activities	524
707	Real estate	531
708	Automotive equipment rental and leasing	5321
717	Video tape and disk rental	53223
718	Other consumer goods rental	53221, 53222, 53229, 5323
719	Commercial, industrial, and other intangible assets rental and leasing	5324, 533
727	Legal services	5411
728	Accounting, tax preparation, bookkeeping and payroll services	5412
729	Architectural, engineering, and related services	5413
737	Specialized design services	5414
738	Computer systems design and related services	5415
739	Management, scientific and technical consulting services	5416
746	Scientific research and development services	5417
747	Advertising and related services	5418
748	Veterinary services	54194
749	Other professional, scientific and technical services	5419 exc. 54194
757	Management of companies and enterprises	551
758	Employment services	5613
759	Business support services	5614
767	Travel arrangement and reservation services	5615
768	Investigation and security services	5616
769	Services to buildings and dwellings	5617 exc. 56173
777	Landscaping services	56173
778	Other administrative and other support services	5611, 5612, 5619
779	Waste management and remediation services	562
786	Elementary and secondary schools	6111
787	Colleges and universities, including junior colleges	6112, 6113
788	Business, technical, and trade schools and training	6114, 6115
789	Other schools, instruction, and educational services	6116, 6117
797	Offices of physicians	6211
798	Offices of dentists	6212
799	Office of chiropractors	62131
807	Offices of optometrists	62132
808	Offices of other health practitioners	6213 exc. 62131, 62132
809	Outpatient care centers	6214

Census 2000		1997 NAICS
Code	Category Title	Codes
817	Home health care services	6216
818	Other health care services	6215, 6219
819	Hospitals	622
827	Nursing care facilities	6231
829	Residential care facilities, without nursing	6232, 6233, 6239
837	Individual and family services	6241
838	Community food and housing, and emergency services	6242
839	Vocational rehabilitation services	6243
847	Child day care services	6244
856	Independent artists, performing arts, spectator sports, and related industries	711
857	Museums, art galleries, historical sites, and similar institutions	712
858	Bowling centers	71395
859	Other amusement, gambling, and recreation industries	713 exc. 71395
866	Traveler accommodation	7211
867	Recreational vehicle parks and camps, and rooming and boarding houses	7212, 7213
868	Restaurants and other food services	722 exc. 7224
869	Drinking places, alcoholic beverages	7224
877	Automotive repair and maintenance	8111 exc. 811192
878	Car washes	811192
879	Electronic and precision equipment repair and maintenance	8112
887	Commercial and industrial machinery and equipment repair and maintenance	8113
888	Personal and household goods repair and maintenance	8114 exc. 81143
889	Footwear and leather goods repair	81143
897	Barber shops	812111
898	Beauty salons	812112
899	Nail salons and other personal care services	812113, 81219
907	Drycleaning and laundry services	8123
908	Funeral homes, cemeteries and crematories	8122
909	Other personal services	8129
916	Religious organizations	8131
917	Civic, social, advocacy organizations, and grantmaking and giving services	8132, 8133, 8134
918	Labor unions	81393
919	Business, professional, political, and similar organizations	8139 exc. 81393
929	Private households	814
937	Executive offices and legislative bodies	92111, 92112, 92114, pt. 92115
938	Public finance activities	92113
939	Other general government and support	92119
947	Justice, public order, and safety activities	922, pt. 92115
948	Administration of human resource programs	923
949	Administration of environmental quality and housing programs	924, 925

Census 2000		1997 NAICS
Code	Category Title	Codes
957	Administration of economic programs and space research	926, 927
959	National security and international affairs	928
967	U. S. Army	Part of 928
968	U. S. Air Force	Part of 928
969	U. S. Navy	Part of 928
977	U. S. Marines	Part of 928
978	U. S. Coast Guard	Part of 928
979	U. S. Armed Forces, branch not specified	Part of 928
987	Military Reserves or National Guard	Part of 928
992	Unemployed, last worked 1994 or earlier or never worked	none

**APPENDIX D. CENSUS 2000 OCCUPATIONAL CLASSIFICATION, WITH 2000
STANDARD OCCUPATIONAL CLASSIFICATION (SOC) EQUIVALENTS**

Census 2000		2000 SOC
Code	Category Title	Codes
001	Chief Executives	11-1011
002	General and Operations Managers	11-1021
003	Legislators	11-1031
004	Advertising and Promotions Managers	11-2011
005	Marketing and Sales Managers	11-2020
006	Public Relations Managers	11-2031
010	Administrative Services Managers	11-3011
011	Computer and Information Systems Managers	11-3021
012	Financial Managers	11-3031
013	Human Resources Managers	11-3040
014	Industrial Production Managers	11-3051
015	Purchasing Managers	11-3061
016	Transportation, Storage, and Distribution Managers	11-3071
020	Farm, Ranch, and Other Agricultural Managers	11-9011
021	Farmers and Ranchers	11-9012
022	Construction Managers	11-9021
023	Education Administrators	11-9030
030	Engineering Managers	11-9041
031	Food Service Managers	11-9051
032	Funeral Directors	11-9061
033	Gaming Managers	11-9071
034	Lodging Managers	11-9081
035	Medical and Health Services Managers	11-9111
036	Natural Sciences Managers	11-9121
040	Postmasters and Mail Superintendents	11-9131
041	Property, Real Estate, and Community Association Managers	11-9141
042	Social and Community Service Managers	11-9151
043	Managers, All Other	11-9199
050	Agents and Business Managers of Artists, Performers, and Athletes	13-1011
051	Purchasing Agents and Buyers, Farm Products	13-1021
052	Wholesale and Retail Buyers, Except Farm Products	13-1022
053	Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023
054	Claims Adjusters, Appraisers, Examiners, and Investigators	13-1030
056	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041
060	Cost Estimators	13-1051
062	Human Resources, Training, and Labor Relations Specialists	13-1070
070	Logisticians	13-1081
071	Management Analysts	13-1111
072	Meeting and Convention Planners	13-1121
073	Other Business Operations Specialists	13-1061, 13-1199
080	Accountants and Auditors	13-2011
081	Appraisers and Assessors of Real Estate	13-2021
082	Budget Analysts	13-2031
083	Credit Analysts	13-2041
084	Financial Analysts	13-2051
085	Personal Financial Advisors	13-2052

Census 2000		2000 SOC
Code	Category Title	Codes
086	Insurance Underwriters	13-2053
090	Financial Examiners	13-2061
091	Loan Counselors and Officers	13-2070
093	Tax Examiners, Collectors, and Revenue Agents	13-2081
094	Tax Preparers	13-2082
095	Financial Specialists, All Other	13-2099
100	Computer Scientists and Systems Analysts	15-1011, 15-1051, 15-1099
101	Computer Programmers	15-1021
102	Computer Software Engineers	15-1030
104	Computer Support Specialists	15-1041
106	Database Administrators	15-1061
110	Network and Computer Systems Administrators	15-1071
111	Network Systems and Data Communications Analysts	15-1081
120	Actuaries	15-2011
121	Mathematicians	15-2021
122	Operations Research Analysts	15-2031
123	Statisticians	15-2041
124	Miscellaneous Mathematical Science Occupations	15-2090
130	Architects, Except Naval	17-1010
131	Surveyors, Cartographers, and Photogrammetrists	17-1020
132	Aerospace Engineers	17-2011
133	Agricultural Engineers	17-2021
134	Biomedical Engineers	17-2031
135	Chemical Engineers	17-2041
136	Civil Engineers	17-2051
140	Computer Hardware Engineers	17-2061
141	Electrical and Electronics Engineers	17-2070
142	Environmental Engineers	17-2081
143	Industrial Engineers, Including Health and Safety	17-2110
144	Marine Engineers and Naval Architects	17-2121
145	Materials Engineers	17-2131
146	Mechanical Engineers	17-2141
150	Mining and Geological Engineers, Including Mining Safety Engineers	17-2151
151	Nuclear Engineers	17-2161
152	Petroleum Engineers	17-2171
153	Engineers, All Other	17-2199
154	Drafters	17-3010
155	Engineering Technicians, Except Drafters	17-3020
156	Surveying and Mapping Technicians	17-3031
160	Agricultural and Food Scientists	19-1010
161	Biological Scientists	19-1020
164	Conservation Scientists and Foresters	19-1030
165	Medical Scientists	19-1040
170	Astronomers and Physicists	19-2010
171	Atmospheric and Space Scientists	19-2021
172	Chemists and Materials Scientists	19-2030
174	Environmental Scientists and Geoscientists	19-2040
176	Physical Scientists, All Other	19-2099
180	Economists	19-3011
181	Market and Survey Researchers	19-3020

Census 2000		2000 SOC
Code	Category Title	Codes
182	Psychologists	19-3030
183	Sociologists	19-3041
184	Urban and Regional Planners	19-3051
186	Miscellaneous Social Scientists and Related Workers	19-3090
190	Agricultural and Food Science Technicians	19-4011
191	Biological Technicians	19-4021
192	Chemical Technicians	19-4031
193	Geological and Petroleum Technicians	19-4041
194	Nuclear Technicians	19-4051
196	Other Life, Physical, and Social Science Technicians	19-4061, 19-4090
200	Counselors	21-1010
201	Social Workers	21-1020
202	Miscellaneous Community and Social Service Specialists	21-1090
204	Clergy	21-2011
205	Directors, Religious Activities and Education	21-2021
206	Religious Workers, All Other	21-2099
210	Lawyers	23-1011
211	Judges, Magistrates, and Other Judicial Workers	23-1020
214	Paralegals and Legal Assistants	23-2011
215	Miscellaneous Legal Support Workers	23-2090
220	Postsecondary Teachers	25-1000
230	Preschool and Kindergarten Teachers	25-2010
231	Elementary and Middle School Teachers	25-2020
232	Secondary School Teachers	25-2030
233	Special Education Teachers	25-2040
234	Other Teachers and Instructors	25-3000
240	Archivists, Curators, and Museum Technicians	25-4010
243	Librarians	25-4021
244	Library Technicians	25-4031
254	Teacher Assistants	25-9041
255	Other Education, Training, and Library Workers	25-9011, 25-9021, 25-9031, 25-9099
260	Artists and Related Workers	27-1010
263	Designers	27-1020
270	Actors	27-2011
271	Producers and Directors	27-2012
272	Athletes, Coaches, Umpires, and Related Workers	27-2020
274	Dancers and Choreographers	27-2030
275	Musicians, Singers, and Related Workers	27-2040
276	Entertainers and Performers, Sports and Related Workers, All Other	27-2099
280	Announcers	27-3010
281	News Analysts, Reporters and Correspondents	27-3020
282	Public Relations Specialists	27-3031
283	Editors	27-3041
284	Technical Writers	27-3042
285	Writers and Authors	27-3043
286	Miscellaneous Media and Communication Workers	27-3090
290	Broadcast and Sound Engineering Technicians and Radio Operators	27-4010
291	Photographers	27-4021

Census 2000		2000 SOC
Code	Category Title	Codes
292	Television, Video, and Motion Picture Camera Operators and Editors	27-4030
296	Media and Communication Equipment Workers, All Other	27-4099
300	Chiropractors	29-1011
301	Dentists	29-1020
303	Dietitians and Nutritionists	29-1031
304	Optometrists	29-1041
305	Pharmacists	29-1051
306	Physicians and Surgeons	29-1060
311	Physician Assistants	29-1071
312	Podiatrists	29-1081
313	Registered Nurses	29-1111
314	Audiologists	29-1121
315	Occupational Therapists	29-1122
316	Physical Therapists	29-1123
320	Radiation Therapists	29-1124
321	Recreational Therapists	29-1125
322	Respiratory Therapists	29-1126
323	Speech-Language Pathologists	29-1127
324	Therapists, All Other	29-1129
325	Veterinarians	29-1131
326	Health Diagnosing and Treating Practitioners, All Other	29-1199
330	Clinical Laboratory Technologists and Technicians	29-2010
331	Dental Hygienists	29-2021
332	Diagnostic Related Technologists and Technicians	29-2030
340	Emergency Medical Technicians and Paramedics	29-2041
341	Health Diagnosing and Treating Practitioner Support Technicians	29-2050
350	Licensed Practical and Licensed Vocational Nurses	29-2061
351	Medical Records and Health Information Technicians	29-2071
352	Opticians, Dispensing	29-2081
353	Miscellaneous Health Technologists and Technicians	29-2090
354	Other Healthcare Practitioners and Technical Occupations	29-9000
360	Nursing, Psychiatric, and Home Health Aides	31-1010
361	Occupational Therapist Assistants and Aides	31-2010
362	Physical Therapist Assistants and Aides	31-2020
363	Massage Therapists	31-9011
364	Dental Assistants	31-9091
365	Medical Assistants and Other Healthcare Support Occupations	31-9092, 31-9093, 31-9094, 31-9095, 31-9096, 31-9099
370	First-Line Supervisors/Managers of Correctional Officers	33-1011
371	First-Line Supervisors/Managers of Police and Detectives	33-1012
372	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021
373	Supervisors, Protective Service Workers, All Other	33-1099
374	Fire Fighters	33-2011
375	Fire Inspectors	33-2020
380	Bailiffs, Correctional Officers, and Jailers	33-3010
382	Detectives and Criminal Investigators	33-3021
383	Fish and Game Wardens	33-3031

Census 2000		2000 SOC
Code	Category Title	Codes
384	Parking Enforcement Workers	33-3041
385	Police and Sheriff's Patrol Officers	33-3051
386	Transit and Railroad Police	33-3052
390	Animal Control Workers	33-9011
391	Private Detectives and Investigators	33-9021
392	Security Guards and Gaming Surveillance Officers	33-9030
394	Crossing Guards	33-9091
395	Lifeguards and Other Protective Service Workers	33-9092, 33-9099
400	Chefs and Head Cooks	35-1011
401	First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012
402	Cooks	35-2010
403	Food Preparation Workers	35-2021
404	Bartenders	35-3011
405	Combined Food Preparation and Serving Workers, Including Fast Food	35-3021
406	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022
411	Waiters and Waitresses	35-3031
412	Food Servers, Nonrestaurant	35-3041
413	Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011
414	Dishwashers	35-9021
415	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031
416	Food Preparation and Serving Related Workers, All Other	35-9099
420	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011
421	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012
422	Janitors and Building Cleaners	37-2011, 37-2019
423	Maids and Housekeeping Cleaners	37-2012
424	Pest Control Workers	37-2021
425	Grounds Maintenance Workers	37-3010
430	First-Line Supervisors/Managers of Gaming Workers	39-1010
432	First-Line Supervisors/Managers of Personal Service Workers	39-1021
434	Animal Trainers	39-2011
435	Nonfarm Animal Caretakers	39-2021
440	Gaming Services Workers	39-3010
441	Motion Picture Projectionists	39-3021
442	Ushers, Lobby Attendants, and Ticket Takers	39-3031
443	Miscellaneous Entertainment Attendants and Related Workers	39-3090
446	Funeral Service Workers	39-4000
450	Barbers	39-5011
451	Hairdressers, Hairstylists, and Cosmetologists	39-5012
452	Miscellaneous Personal Appearance Workers	39-5090
453	Baggage Porters, Bellhops, and Concierges	39-6010
454	Tour and Travel Guides	39-6020
455	Transportation Attendants	39-6030
460	Child Care Workers	39-9011
461	Personal and Home Care Aides	39-9021
462	Recreation and Fitness Workers	39-9030
464	Residential Advisors	39-9041
465	Personal Care and Service Workers, All Other	39-9099

Census 2000		2000 SOC
Code	Category Title	Codes
470	First-Line Supervisors/Managers of Retail Sales Workers	41-1011
471	First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012
472	Cashiers	41-2010
474	Counter and Rental Clerks	41-2021
475	Parts Salespersons	41-2022
476	Retail Salespersons	41-2031
480	Advertising Sales Agents	41-3011
481	Insurance Sales Agents	41-3021
482	Securities, Commodities, and Financial Services Sales Agents	41-3031
483	Travel Agents	41-3041
484	Sales Representatives, Services, All Other	41-3099
485	Sales Representatives, Wholesale and Manufacturing	41-4010
490	Models, Demonstrators, and Product Promoters	41-9010
492	Real Estate Brokers and Sales Agents	41-9020
493	Sales Engineers	41-9031
494	Telemarketers	41-9041
495	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091
496	Sales and Related Workers, All Other	41-9099
500	First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011
501	Switchboard Operators, Including Answering Service	43-2011
502	Telephone Operators	43-2021
503	Communications Equipment Operators, All Other	43-2099
510	Bill and Account Collectors	43-3011
511	Billing and Posting Clerks and Machine Operators	43-3021
512	Bookkeeping, Accounting, and Auditing Clerks	43-3031
513	Gaming Cage Workers	43-3041
514	Payroll and Timekeeping Clerks	43-3051
515	Procurement Clerks	43-3061
516	Tellers	43-3071
520	Brokerage Clerks	43-4011
521	Correspondence Clerks	43-4021
522	Court, Municipal, and License Clerks	43-4031
523	Credit Authorizers, Checkers, and Clerks	43-4041
524	Customer Service Representatives	43-4051
525	Eligibility Interviewers, Government Programs	43-4061
526	File Clerks	43-4071
530	Hotel, Motel, and Resort Desk Clerks	43-4081
531	Interviewers, Except Eligibility and Loan	43-4111
532	Library Assistants, Clerical	43-4121
533	Loan Interviewers and Clerks	43-4131
534	New Accounts Clerks	43-4141
535	Order Clerks	43-4151
536	Human Resources Assistants, Except Payroll and Timekeeping	43-4161
540	Receptionists and Information Clerks	43-4171
541	Reservation and Transportation Ticket Agents and Travel Clerks	43-4181
542	Information and Record Clerks, All Other	43-4199
550	Cargo and Freight Agents	43-5011
551	Couriers and Messengers	43-5021
552	Dispatchers	43-5030
553	Meter Readers, Utilities	43-5041

Census 2000		2000 SOC
Code	Category Title	Codes
554	Postal Service Clerks	43-5051
555	Postal Service Mail Carriers	43-5052
556	Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053
560	Production, Planning, and Expediting Clerks	43-5061
561	Shipping, Receiving, and Traffic Clerks	43-5071
562	Stock Clerks and Order Fillers	43-5081
563	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111
570	Secretaries and Administrative Assistants	43-6010
580	Computer Operators	43-9011
581	Data Entry Keyers	43-9021
582	Word Processors and Typists	43-9022
583	Desktop Publishers	43-9031
584	Insurance Claims and Policy Processing Clerks	43-9041
585	Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051
586	Office Clerks, General	43-9061
590	Office Machine Operators, Except Computer	43-9071
591	Proofreaders and Copy Markers	43-9081
592	Statistical Assistants	43-9111
593	Office and Administrative Support Workers, All Other	43-9199
600	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	45-1010
601	Agricultural Inspectors	45-2011
602	Animal Breeders	45-2021
604	Graders and Sorters, Agricultural Products	45-2041
605	Miscellaneous Agricultural Workers	45-2090
610	Fishers and Related Fishing Workers	45-3011
611	Hunters and Trappers	45-3021
612	Forest and Conservation Workers	45-4011
613	Logging Workers	45-4020
620	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011
621	Boilermakers	47-2011
622	Brickmasons, Blockmasons, and Stonemasons	47-2020
623	Carpenters	47-2031
624	Carpet, Floor, and Tile Installers and Finishers	47-2040
625	Cement Masons, Concrete Finishers, and Terrazzo Workers	47-2050
626	Construction Laborers	47-2061
630	Paving, Surfacing, and Tamping Equipment Operators	47-2071
631	Pile-Driver Operators	47-2072
632	Operating Engineers and Other Construction Equipment Operators	47-2073
633	Drywall Installers, Ceiling Tile Installers, and Tapers	47-2080
635	Electricians	47-2111
636	Glaziers	47-2121
640	Insulation Workers	47-2130
642	Painters, Construction and Maintenance	47-2141
643	Paperhangers	47-2142
644	Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-2150
646	Plasterers and Stucco Masons	47-2161
650	Reinforcing Iron and Rebar Workers	47-2171
651	Roofers	47-2181
652	Sheet Metal Workers	47-2211

Census 2000		2000 SOC
Code	Category Title	Codes
653	Structural Iron and Steel Workers	47-2221
660	Helpers, Construction Trades	47-3010
666	Construction and Building Inspectors	47-4011
670	Elevator Installers and Repairers	47-4021
671	Fence Erectors	47-4031
672	Hazardous Materials Removal Workers	47-4041
673	Highway Maintenance Workers	47-4051
674	Rail-Track Laying and Maintenance Equipment Operators	47-4061
675	Septic Tank Servicers and Sewer Pipe Cleaners	47-4071
676	Miscellaneous Construction and Related Workers	47-4090
680	Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining	47-5010
682	Earth Drillers, Except Oil and Gas	47-5021
683	Explosives Workers, Ordnance Handling Experts, and Blasters	47-5031
684	Mining Machine Operators	47-5040
691	Roof Bolters, Mining	47-5061
692	Roustabouts, Oil and Gas	47-5071
693	Helpers--Extraction Workers	47-5081
694	Other Extraction Workers	47-5051, 47-5099
700	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011
701	Computer, Automated Teller, and Office Machine Repairers	49-2011
702	Radio and Telecommunications Equipment Installers and Repairers	49-2020
703	Avionics Technicians	49-2091
704	Electric Motor, Power Tool, and Related Repairers	49-2092
705	Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093
710	Electrical and Electronics Repairers, Industrial and Utility	49-2094, 49-2095
711	Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096
712	Electronic Home Entertainment Equipment Installers and Repairers	49-2097
713	Security and Fire Alarm Systems Installers	49-2098
714	Aircraft Mechanics and Service Technicians	49-3011
715	Automotive Body and Related Repairers	49-3021
716	Automotive Glass Installers and Repairers	49-3022
720	Automotive Service Technicians and Mechanics	49-3023
721	Bus and Truck Mechanics and Diesel Engine Specialists	49-3031
722	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	49-3040
724	Small Engine Mechanics	49-3050
726	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	49-3090
730	Control and Valve Installers and Repairers	49-9010
731	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021
732	Home Appliance Repairers	49-9031
733	Industrial and Refractory Machinery Mechanics	49-9041, 49-9045
734	Maintenance and Repair Workers, General	49-9042
735	Maintenance Workers, Machinery	49-9043
736	Millwrights	49-9044
741	Electrical Power-Line Installers and Repairers	49-9051
742	Telecommunications Line Installers and Repairers	49-9052
743	Precision Instrument and Equipment Repairers	49-9060

Census 2000		2000 SOC
Code	Category Title	Codes
751	Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091
752	Commercial Divers	49-9092
754	Locksmiths and Safe Repairers	49-9094
755	Manufactured Building and Mobile Home Installers	49-9095
756	Riggers	49-9096
760	Signal and Track Switch Repairers	49-9097
761	Helpers--Installation, Maintenance, and Repair Workers	49-9098
762	Other Installation, Maintenance, and Repair Workers	49-9093, 49-9099
770	First-Line Supervisors/Managers of Production and Operating Workers	51-1011
771	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011
772	Electrical, Electronics, and Electromechanical Assemblers	51-2020
773	Engine and Other Machine Assemblers	51-2031
774	Structural Metal Fabricators and Fitters	51-2041
775	Miscellaneous Assemblers and Fabricators	51-2090
780	Bakers	51-3011
781	Butchers and Other Meat, Poultry, and Fish Processing Workers	51-3020
783	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091
784	Food Batchmakers	51-3092
785	Food Cooking Machine Operators and Tenders	51-3093
790	Computer Control Programmers and Operators	51-4010
792	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021
793	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022
794	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023
795	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031
796	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032
800	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033
801	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034
802	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035
803	Machinists	51-4041
804	Metal Furnace and Kiln Operators and Tenders	51-4050
806	Model Makers and Patternmakers, Metal and Plastic	51-4060
810	Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic	51-4070
812	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081
813	Tool and Die Makers	51-4111
814	Welding, Soldering, and Brazing Workers	51-4120
815	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191
816	Lay-Out Workers, Metal and Plastic	51-4192
820	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193
821	Tool Grinders, Filers, and Sharpeners	51-4194
822	Metalworkers and Plastic Workers, All Other	51-4199
823	Bookbinders and Bindery Workers	51-5010

Census 2000		2000 SOC
Code	Category Title	Codes
824	Job Printers	51-5021
825	Prepress Technicians and Workers	51-5022
826	Printing Machine Operators	51-5023
830	Laundry and Dry-Cleaning Workers	51-6011
831	Pressers, Textile, Garment, and Related Materials	51-6021
832	Sewing Machine Operators	51-6031
833	Shoe and Leather Workers and Repairers	51-6041
834	Shoe Machine Operators and Tenders	51-6042
835	Tailors, Dressmakers, and Sewers	51-6050
836	Textile Bleaching and Dyeing Machine Operators and Tenders	51-6061
840	Textile Cutting Machine Setters, Operators, and Tenders	51-6062
841	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	51-6063
842	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	51-6064
843	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091
844	Fabric and Apparel Patternmakers	51-6092
845	Upholsterers	51-6093
846	Textile, Apparel, and Furnishings Workers, All Other	51-6099
850	Cabinetmakers and Bench Carpenters	51-7011
851	Furniture Finishers	51-7021
852	Model Makers and Patternmakers, Wood	51-7030
853	Sawing Machine Setters, Operators, and Tenders, Wood	51-7041
854	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042
855	Woodworkers, All Other	51-7099
860	Power Plant Operators, Distributors, and Dispatchers	51-8010
861	Stationary Engineers and Boiler Operators	51-8021
862	Water and Liquid Waste Treatment Plant and System Operators	51-8031
863	Miscellaneous Plant and System Operators	51-8090
864	Chemical Processing Machine Setters, Operators, and Tenders	51-9010
865	Crushing, Grinding, Polishing, Mixing, and Blending Workers	51-9020
871	Cutting Workers	51-9030
872	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041
873	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051
874	Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061
875	Jewelers and Precious Stone and Metal Workers	51-9071
876	Medical, Dental, and Ophthalmic Laboratory Technicians	51-9080
880	Packaging and Filling Machine Operators and Tenders	51-9111
881	Painting Workers	51-9120
883	Photographic Process Workers and Processing Machine Operators	51-9130
884	Semiconductor Processors	51-9141
885	Cementing and Gluing Machine Operators and Tenders	51-9191
886	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192
890	Cooling and Freezing Equipment Operators and Tenders	51-9193
891	Etchers and Engravers	51-9194
892	Molders, Shapers, and Casters, Except Metal and Plastic	51-9195
893	Paper Goods Machine Setters, Operators, and Tenders	51-9196
894	Tire Builders	51-9197
895	Helpers--Production Workers	51-9198
896	Production Workers, All Other	51-9199
900	Supervisors, Transportation and Material Moving Workers	53-1000

Census 2000		2000 SOC
Code	Category Title	Codes
903	Aircraft Pilots and Flight Engineers	53-2010
904	Air Traffic Controllers and Airfield Operations Specialists	53-2020
911	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011
912	Bus Drivers	53-3020
913	Driver/Sales Workers and Truck Drivers	53-3030
914	Taxi Drivers and Chauffeurs	53-3041
915	Motor Vehicle Operators, All Other	53-3099
920	Locomotive Engineers and Operators	53-4010
923	Railroad Brake, Signal, and Switch Operators	53-4021
924	Railroad Conductors and Yardmasters	53-4031
926	Subway, Streetcar, and Other Rail Transportation Workers	53-4041, 53-4099
930	Sailors and Marine Oilers	53-5011
931	Ship and Boat Captains and Operators	53-5020
933	Ship Engineers	53-5031
934	Bridge and Lock Tenders	53-6011
935	Parking Lot Attendants	53-6021
936	Service Station Attendants	53-6031
941	Transportation Inspectors	53-6051
942	Other Transportation Workers	53-6041, 53-6099
950	Conveyor Operators and Tenders	53-7011
951	Crane and Tower Operators	53-7021
952	Dredge, Excavating, and Loading Machine Operators	53-7030
956	Hoist and Winch Operators	53-7041
960	Industrial Truck and Tractor Operators	53-7051
961	Cleaners of Vehicles and Equipment	53-7061
962	Laborers and Freight, Stock, and Material Movers, Hand	53-7062
963	Machine Feeders and Offbearers	53-7063
964	Packers and Packagers, Hand	53-7064
965	Pumping Station Operators	53-7070
972	Refuse and Recyclable Material Collectors	53-7081
973	Shuttle Car Operators	53-7111
974	Tank Car, Truck, and Ship Loaders	53-7121
975	Material Moving Workers, All Other	53-7199
980	Military Officer Special and Tactical Operations Leaders/Managers	55-1010
981	First-Line Enlisted Military Supervisors/Managers	55-2010
982	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members	55-3010
983	Military, Rank Not Specified	none
992	Unemployed, last worked 1994 or earlier or never worked	none

APPENDIX E. BIBLIOGRAPHY OF RELATED TEXTS AND REPORTS

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APPENDIX G. GLOSSARY OF TERMS AND ABBREVIATIONS USED IN THIS PAPER

The data shown in this report were developed from a sample of data collected in the 1990 Census. Therefore, most of the definitions refer to that census. The labor force definitions did not change between 1990 and 2000.

Census

The Census Bureau takes a number of censuses. However, the term "Census" in this report refers to the decennial censuses, particularly those done in 1990 and 2000.

Civilian Labor Force

The civilian labor force consists of people classified as employed and unemployed according to the following criteria:

Employed - Employed people include all civilians 16 years and over who were either (a) "at work"- those who did any work at all during the reference week as paid employees or in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers on a family farm or in a family business; or (b) "with a job but not at work"- those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are people whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Unemployed - People are classified as unemployed if they are civilians 16 years old and over and (a) were neither "at work" nor "with a job but not at work" during the reference week, (b) were looking for work during the last 4 weeks, and (c) were available to accept a job. Also included as unemployed are people who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off.

Experienced Unemployed - Unemployed people who have worked at any time in the past are classified as the "experienced unemployed." Census data are collected, however, only for the experienced unemployed who had a job in the previous 5 years.

Experienced Civilian Labor Force (ECLF) - Includes the employed and experienced unemployed. Data shown in this report reflect information about the employed and the experienced unemployed who had a job in the 5 years prior to the census in which their data were collected.

Class of Worker

The information on class of worker refers to the same job as the respondent's industry and occupation. The definitions of the class of worker categories are as follows:

Private wage and salary workers - People who work for a private employer for wages, salary, commission, tips, pay-in-kind, or at piece rates. This category also includes self-employed people whose business is incorporated, because they are paid employees of their own companies.

Government workers - Employees of any federal, state, or local governmental unit, regardless of the activity of the agency.

Self-employed workers - People who work for profit or fees in their own unincorporated business, profession, or trade; or who operate a farm.

Unpaid family workers - People who work without pay in a business or on a farm operated by a relative.

Salaried/Self-employed - In tabulations that categorize people as either salaried or self-employed, the salaried category includes private and government wage and salary workers; while the self-employed includes self-employed people and unpaid family workers.

Crosswalk

A crosswalk is a table or chart that shows the relationship between two classification systems or two sets of data. Crosswalks can take three forms:

Categorical crosswalks show the relationship between **categories** in different classification systems. Appendices A through D in this paper are examples of categorical crosswalks.

Conversion crosswalks provide conversion factors or other information that enable the user to convert one classification to another. Tables 1-7 in this paper are examples of conversion crosswalks.

Data crosswalks apply conversion factors to data so that one data set becomes comparable to another. These crosswalks show **numbers of people** in each category after conversion from one classification to another. Tables 8 and 9 in this report are examples of data crosswalks.

Double-coding

“Double-coding” is the assignment of a set of data into two different classification systems. This paper discusses two examples of double-coding: first, all the industry and occupation descriptions and titles in the Census Bureau’s *Classified Index of Industries and Occupations* were assigned to both the 1990 and 2000 classification systems; second, a sample of responses from the 1990 Census were also assigned to both classification systems.

ECLF

Experienced Civilian Labor Force. See its definition under Civilian Labor Force, above.

ECPC

Economic Classification Policy Committee.

Industry and Occupation

The 1990 census questionnaires obtained industry and occupation data for the employed, the experienced unemployed, and people 16 years and over with work experience but not currently in the labor force. For the last two categories, the data are for the most recent job that a person held during the previous 5 years. For people who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours.

NAICS

North American Industry Classification System.

N.e.c.

Not elsewhere classified.

NPC

The Census Bureau's National Processing Center in Jeffersonville, Indiana.

OMB

U.S. Office of Management and Budget.

PUMS

Public Use Microdata Samples.

Reference Week

Data about the labor force relate to the calendar week before the one in which the census respondents completed their questionnaires or were interviewed by enumerators. The reference week is not the same for all respondents because not all people were enumerated during the same week. Since Census Days were April 1, 1990 and April 1, 2000, the reference weeks for many respondents were the last week of March 1990 or March 2000, respectively.

SF- or STF-

Summary File or Summary Tape File.

SIC

Standard Industrial Classification.

SOC

Standard Occupational Classification.

SOCRPC

Standard Occupational Classification Revision Policy Committee.

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
Total Civilian Labor Force			123,473,450		123,473,450	
010	Agricultural production, crops		1,434,216			
	017	Crop production		96.237	1,380,240	2
	029	Support activities for agriculture and forestry		3.763	53,976	
011	Agricultural production, livestock		803,875			
	018	Animal production		100.000	803,875	1
012	Veterinary services		134,404			
	748	Veterinary services		100.000	134,404	1
020	Landscape and horticultural services		721,274			
	729	Architectural, engineering, and related services		7.735	55,789	
	777	Landscaping services		92.265	665,485	3
030	Agricultural services, n.e.c.		95,131			
	018	Animal production		2.000	1,903	
	029	Support activities for agriculture and forestry		64.000	60,884	
	909	Other personal services		34.000	32,345	
031	Forestry		101,785			
	017	Crop production		3.597	3,661	
	019	Forestry except logging		66.187	67,368	
	029	Support activities for agriculture and forestry		30.216	30,755	
032	Fishing, hunting, and trapping		88,274			
	018	Animal production		6.202	5,474	
	028	Fishing, hunting, and trapping		86.047	75,957	
	128	Seafood and other miscellaneous foods n.e.c.		3.101	2,737	
	949	Administration of environmental quality and housing programs		4.651	4,106	
040	Metal mining		69,191			
	039	Metal ore mining		90.411	62,556	3
	047	Nonmetallic mineral mining and quarrying		3.425	2,370	
	049	Support activities for mining		6.164	4,265	
041	Coal mining		168,923			
	038	Coal mining		100.000	168,923	1
042	Oil and gas extraction		412,324			
	037	Oil and gas extraction		38.356	158,152	
	049	Support activities for mining		60.274	248,524	
	729	Architectural, engineering, and related services		0.685	2,824	
	757	Management of companies and enterprises		0.685	2,824	
050	Nonmetallic mining and quarrying, except fuels		120,369			
	047	Nonmetallic mineral mining and quarrying		100.000	120,369	1
060	Construction		8,063,113			
	077	Construction		95.975	7,738,591	2
	207	Petroleum refining		0.310	24,963	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	729	Architectural, engineering, and related services		1.548	124,816	
	769	Services to buildings and dwellings		0.310	24,963	
	779	Waste management and remediation services		1.858	149,779	
100	Meat products		333,459			
	109	Fruit and vegetable preserving and specialty food manufacturing		1.070	3,566	
	117	Dairy product manufacturing		1.070	3,566	
	118	Animal slaughtering and processing		95.722	319,193	2
	128	Seafood and other miscellaneous foods n.e.c.		2.139	7,133	
101	Dairy products		145,489			
	117	Dairy product manufacturing		100.000	145,489	1
102	Canned, frozen, & preserved fruits & vegetables		197,042			
	029	Support activities for agriculture and forestry		1.449	2,856	
	109	Fruit and vegetable preserving and specialty food manufacturing		86.957	171,341	
	127	Bakeries except retail		3.623	7,139	
	128	Seafood and other miscellaneous foods n.e.c.		7.971	15,706	
110	Grain mill products		113,544			
	107	Animal food, grain, and oilseed milling		97.600	110,819	2
	127	Bakeries except retail		1.600	1,817	
	128	Seafood and other miscellaneous foods n.e.c.		0.800	908	
111	Bakery products		178,713			
	127	Bakeries except retail		96.875	173,128	2
	128	Seafood and other miscellaneous foods n.e.c.		3.125	5,585	
112	Sugar and confectionery products		107,230			
	108	Sugar and confectionery products		95.977	102,916	2
	128	Seafood and other miscellaneous foods n.e.c.		4.023	4,314	
120	Beverage industries		192,272			
	128	Seafood and other miscellaneous foods n.e.c.		6.757	12,991	
	137	Beverage manufacturing		93.243	179,281	3
121	Miscellaneous food preparations & kindred products		159,496			
	017	Crop production		1.515	2,417	
	107	Animal food, grain, and oilseed milling		6.061	9,666	
	109	Fruit and vegetable preserving and specialty food manufacturing		3.030	4,833	
	117	Dairy product manufacturing		1.515	2,417	
	118	Animal slaughtering and processing		3.030	4,833	
	127	Bakeries except retail		12.121	19,333	
	128	Seafood and other miscellaneous foods n.e.c.		68.182	108,747	
	137	Beverage manufacturing		4.545	7,250	
122	Not specified food industries		106,760			
	129	Not specified food industries		100.000	106,760	1
130	Tobacco manufactures		54,786			
	139	Tobacco manufacturing		100.000	54,786	1
132	Knitting mills		153,875			
	149	Textile and fabric finishing and coating mills		7.229	11,123	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
Census 2000 Codes and Categories						
	159	Textile product mills except carpets and rugs		5.422	8,343	
	167	Knitting mills		81.325	125,139	
	168	Cut and sew apparel manufacturing		6.024	9,270	
140	Dyeing and finishing textiles, except wool & knit		34,914			
	149	Textile and fabric finishing and coating mills		100.000	34,914	1
141	Carpets and rugs		74,239			
	157	Carpets and rugs manufacturing		100.000	74,239	1
142	Yarn, thread, and fabric mills		520,795			
	147	Fiber, yarn, and thread mills		17.241	89,792	
	148	Fabric mills, except knitting		81.466	424,268	
	159	Textile product mills except carpets and rugs		1.293	6,734	
150	Miscellaneous textile mill products		48,583			
	147	Fiber, yarn, and thread mills		4.651	2,260	
	148	Fabric mills, except knitting		39.535	19,207	
	149	Textile and fabric finishing and coating mills		12.791	6,214	
	159	Textile product mills except carpets and rugs		43.023	20,902	
151	Apparel and accessories, except knit		999,700			
	148	Fabric mills, except knitting		4.046	40,450	
	167	Knitting mills		4.046	40,450	
	168	Cut and sew apparel manufacturing		86.705	866,792	
	169	Apparel accessories and other apparel manufacturing		5.202	52,008	
152	Miscellaneous fabricated textile products		138,343			
	148	Fabric mills, except knitting		1.613	2,231	
	159	Textile product mills except carpets and rugs		76.344	105,617	
	167	Knitting mills		3.226	4,463	
	168	Cut and sew apparel manufacturing		5.376	7,438	
	169	Apparel accessories and other apparel manufacturing		1.075	1,488	
	199	Printing and related support activities		1.613	2,231	
	357	Motor vehicles and motor vehicle equipment manufacturing		10.215	14,132	
	398	Miscellaneous manufacturing, n.e.c.		0.538	744	
160	Pulp, paper, and paperboard mills		341,962			
	187	Pulp, paper, and paperboard mills		88.718	303,382	
	188	Paperboard containers and boxes		2.564	8,768	
	189	Miscellaneous paper and pulp products		7.692	26,305	
	387	Miscellaneous wood product manufacturing		1.026	3,507	
161	Miscellaneous paper and pulp products		171,783			
	188	Paperboard containers and boxes		1.282	2,202	
	189	Miscellaneous paper and pulp products		87.179	149,760	
	228	Soap, cleaning compound, and cosmetic manufacturing		0.641	1,101	
	237	Plastics product manufacturing		10.897	18,720	
162	Paperboard containers and boxes		161,500			
	188	Paperboard containers and boxes		96.552	155,931	2
	189	Miscellaneous paper and pulp products		3.448	5,569	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
171	Newspaper publishing and printing		539,364			
	199	Printing and related support activities		0.901	4,859	
	647	Newspaper publishers		99.099	534,505	2
172	Printing, publishing, except newspapers		1,494,459			
	199	Printing and related support activities		68.534	1,024,220	
	648	Publishing except newspapers and software		31.034	463,798	
	659	Sound recording industries		0.431	6,442	
180	Plastics, synthetics, and resins		180,684			
	217	Resin, synthetic rubber and fibers, and filaments manufacturing		100.000	180,684	1
181	Drugs		272,178			
	219	Pharmaceutical and medicine manufacturing		100.000	272,178	1
182	Soaps and cosmetics		146,575			
	227	Paint, coating, and adhesives manufacturing		1.709	2,506	
	228	Soap, cleaning compound, and cosmetic manufacturing		98.291	144,069	2
190	Paints, varnishes, and related products		72,469			
	227	Paint, coating, and adhesives manufacturing		100.000	72,469	1
191	Agricultural chemicals		44,410			
	218	Agricultural chemical manufacturing		100.000	44,410	1
192	Industrial and miscellaneous chemicals		526,656			
	037	Oil and gas extraction		0.439	2,310	
	128	Seafood and other miscellaneous foods n.e.c.		1.316	6,930	
	217	Resin, synthetic rubber and fibers, and filaments manufacturing		4.386	23,099	
	227	Paint, coating, and adhesives manufacturing		3.070	16,169	
	228	Soap, cleaning compound, and cosmetic manufacturing		1.754	9,240	
	229	Industrial and miscellaneous chemicals		88.158	464,289	
	297	Ordnance		0.439	2,310	
	358	Aircraft and parts manufacturing		0.439	2,310	
200	Petroleum refining		166,406			
	207	Petroleum refining		100.000	166,406	1
201	Miscellaneous petroleum and coal products		25,748			
	209	Miscellaneous petroleum and coal products		100.000	25,748	1
210	Tires and inner tubes		99,667			
	238	Tire manufacturing		100.000	99,667	1
211	Other rubber products, & plastic footwear		143,217			
	177	Footwear manufacturing		7.879	11,284	
	237	Plastics product manufacturing		7.273	10,416	
	239	Rubber products, except tires, manufacturing		68.485	98,082	
	357	Motor vehicles and motor vehicle equipment manufacturing		3.636	5,208	
	396	Medical equipment and supplies manufacturing		3.030	4,340	
	398	Miscellaneous manufacturing, n.e.c.		9.697	13,888	
212	Miscellaneous plastics products		481,336			
	217	Resin, synthetic rubber and fibers, and filaments manufacturing		9.000	43,320	
	237	Plastics product manufacturing		90.500	435,609	3

**Table 1. 1990 Census Industry Classification System and
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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	389	Furniture and fixtures		0.500	2,407	
220	Leather tanning and finishing		13,014			
	179	Leather tanning and products, except footwear manufacturing		100.000	13,014	1
221	Footwear, except rubber and plastic		91,711			
	177	Footwear manufacturing		98.958	90,756	2
	179	Leather tanning and products, except footwear manufacturing		1.042	955	
222	Leather products, except footwear		44,492			
	168	Cut and sew apparel manufacturing		4.167	1,854	
	179	Leather tanning and products, except footwear manufacturing		93.750	41,711	3
	398	Miscellaneous manufacturing, n.e.c.		2.083	927	
230	Logging		164,365			
	027	Logging		96.454	158,536	2
	377	Sawmills and wood preservation		3.546	5,829	
231	Sawmills, planing mills, and millwork		401,357			
	287	Structural metals and tank and shipping container manufacturing		1.333	5,351	
	377	Sawmills and wood preservation		29.333	117,731	
	378	Veneer, plywood, and engineered wood product manufacturing		20.667	82,947	
	387	Miscellaneous wood product manufacturing		39.333	157,867	
	389	Furniture and fixtures		9.333	37,460	
232	Wood buildings and mobile homes		50,175			
	379	Prefabricated wood buildings and mobile homes manufacturing		100.000	50,175	1
241	Miscellaneous wood products		150,389			
	237	Plastics product manufacturing		1.333	2,005	
	377	Sawmills and wood preservation		9.333	14,036	
	378	Veneer, plywood, and engineered wood product manufacturing		6.667	10,026	
	387	Miscellaneous wood product manufacturing		66.667	100,259	
	389	Furniture and fixtures		4.667	7,018	
	398	Miscellaneous manufacturing, n.e.c.		11.333	17,044	
242	Furniture and fixtures		615,906			
	357	Motor vehicles and motor vehicle equipment manufacturing		2.174	13,389	
	389	Furniture and fixtures		95.652	589,127	2
	396	Medical equipment and supplies manufacturing		1.630	10,042	
	398	Miscellaneous manufacturing, n.e.c.		0.543	3,347	
250	Glass and glass products		220,961			
	249	Glass and glass product manufacturing		99.265	219,336	2
	856	Independent artists, performing arts, spectator sports, & related industries		0.735	1,625	
251	Cement, concrete, gypsum, & plaster products		145,561			
	257	Cement, concrete, lime, and gypsum product manufacturing		96.154	139,963	2
	259	Miscellaneous nonmetallic mineral product manufacturing		3.846	5,599	
252	Structural clay products		47,114			
	248	Structural clay product manufacturing		100.000	47,114	1
261	Pottery and related products		44,789			
	247	Pottery, ceramics, and related products manufacturing		100.000	44,789	1

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Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
262	Miscellaneous nonmetallic mineral & stone products	118,064			
	229 Industrial and miscellaneous chemicals		2.469	2,915	
	247 Pottery, ceramics, and related products manufacturing		1.235	1,458	
	248 Structural clay product manufacturing		7.407	8,745	
	257 Cement, concrete, lime, and gypsum product manufacturing		3.704	4,373	
	259 Miscellaneous nonmetallic mineral product manufacturing		81.481	96,200	
	357 Motor vehicles and motor vehicle equipment manufacturing		3.704	4,373	
270	Blast furnaces, steelworks, rolling & finishing	411,210			
	209 Miscellaneous petroleum and coal products		1.974	8,116	
	267 Iron and steel mills and steel product manufacturing		88.158	362,514	
	277 Foundries		1.974	8,116	
	298 Miscellaneous fabricated metal products manufacturing		7.895	32,464	
271	Iron and steel foundries	111,518			
	277 Foundries		100.000	111,518	1
272	Primary aluminum industries	147,069			
	268 Aluminum production and processing		73.333	107,851	
	277 Foundries		26.667	39,218	
280	Other primary metal industries	162,392			
	267 Iron and steel mills and steel product manufacturing		0.800	1,299	
	269 Nonferrous metal, except aluminum, production and processing		67.200	109,127	
	277 Foundries		15.200	24,684	
	289 Coating, engraving, heat treating and allied activities		6.400	10,393	
	349 Electrical machinery, equipment, and supplies manufacturing, n.e.c.		10.400	16,889	
281	Cutlery, handtools, & general hardware	131,679			
	279 Cutlery and hand tool manufacturing		50.000	65,840	
	287 Structural metals and tank and shipping container manufacturing		2.239	2,948	
	288 Machine shops; turned product; screw nut and bolt manufacturing		1.493	1,965	
	298 Miscellaneous fabricated metal products manufacturing		44.030	57,978	
	317 Metalworking machinery manufacturing		1.493	1,965	
	357 Motor vehicles and motor vehicle equipment manufacturing		0.746	983	
282	Fabricated structural metal products	408,558			
	287 Structural metals and tank and shipping container manufacturing		92.157	376,514	3
	298 Miscellaneous fabricated metal products manufacturing		7.843	32,044	
290	Screw machine products	60,716			
	288 Machine shops; turned product; screw nut and bolt manufacturing		100.000	60,716	1
291	Metal forgings and stampings	154,210			
	247 Pottery, ceramics, and related products manufacturing		1.515	2,337	
	278 Metal forgings and stampings		66.667	102,807	
	279 Cutlery and hand tool manufacturing		6.818	10,514	
	287 Structural metals and tank and shipping container manufacturing		1.515	2,337	
	298 Miscellaneous fabricated metal products manufacturing		0.758	1,168	
	309 Commercial and service industry machinery manufacturing		1.515	2,337	
	357 Motor vehicles and motor vehicle equipment manufacturing		18.939	29,206	

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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	398	Miscellaneous manufacturing, n.e.c.		2.273	3,505	
292	Ordnance		84,233			
	297	Ordnance		95.789	80,686	2
	309	Commercial and service industry machinery manufacturing		4.211	3,547	
300	Miscellaneous fabricated metal products		361,371			
	267	Iron and steel mills and steel product manufacturing		0.526	1,902	
	279	Cutlery and hand tool manufacturing		0.526	1,902	
	287	Structural metals and tank and shipping container manufacturing		13.684	49,451	
	289	Coating, engraving, heat treating and allied activities		29.474	106,509	
	298	Miscellaneous fabricated metal products manufacturing		50.526	182,587	
	319	Machinery manufacturing, n.e.c.		4.211	15,216	
	398	Miscellaneous manufacturing, n.e.c.		0.526	1,902	
	877	Automotive repair and maintenance		0.526	1,902	
301	Not specified metal industries		46,985			
	299	Not specified metal industries		100.000	46,985	1
310	Engines and turbines		84,873			
	318	Engines, turbines, and power transmission equipment manufacturing		84.252	71,507	
	357	Motor vehicles and motor vehicle equipment manufacturing		15.748	13,366	
311	Farm machinery and equipment		101,752			
	279	Cutlery and hand tool manufacturing		0.725	737	
	307	Agricultural implement manufacturing		95.652	97,328	2
	319	Machinery manufacturing, n.e.c.		3.623	3,687	
312	Construction & material handling machines		220,543			
	298	Miscellaneous fabricated metal products manufacturing		0.662	1,461	
	308	Construction mining and oil field machinery manufacturing		57.616	127,068	
	319	Machinery manufacturing, n.e.c.		41.722	92,015	
320	Metalworking machinery		320,630			
	279	Cutlery and hand tool manufacturing		6.369	20,422	
	317	Metalworking machinery manufacturing		79.618	255,279	
	319	Machinery manufacturing, n.e.c.		13.376	42,887	
	357	Motor vehicles and motor vehicle equipment manufacturing		0.637	2,042	
321	Office and accounting machines		51,415			
	309	Commercial and service industry machinery manufacturing		93.636	48,143	3
	319	Machinery manufacturing, n.e.c.		0.909	467	
	338	Navigational, measuring, electromedical, and control instruments mfg.		4.545	2,337	
	398	Miscellaneous manufacturing, n.e.c.		0.909	467	
322	Computers and related equipment		560,983			
	309	Commercial and service industry machinery manufacturing		1.596	8,952	
	336	Computer and peripheral equipment manufacturing		93.085	522,192	3
	337	Communications, audio, and video equipment manufacturing		1.064	5,968	
	339	Electronic component and product manufacturing, n.e.c.		4.255	23,872	
331	Machinery, except electrical, n.e.c.		1,081,393			
	287	Structural metals and tank and shipping container manufacturing		0.481	5,199	

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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
Census 2000 Codes and Categories						
	288	Machine shops; turned product; screw nut and bolt manufacturing		27.885	301,542	
	298	Miscellaneous fabricated metal products manufacturing		5.769	62,388	
	307	Agricultural implement manufacturing		0.481	5,199	
	309	Commercial and service industry machinery manufacturing		2.404	25,995	
	318	Engines, turbines, and power transmission equipment manufacturing		2.885	31,194	
	319	Machinery manufacturing, n.e.c.		53.365	577,090	
	357	Motor vehicles and motor vehicle equipment manufacturing		5.288	57,189	
	398	Miscellaneous manufacturing, n.e.c.		0.962	10,398	
	887	Commercial & industrial machinery & equipment repair & maintenance		0.481	5,199	
332	Not specified machinery		55,317			
	329	Not specified machinery manufacturing		100.000	55,317	1
340	Household appliances		135,206			
	319	Machinery manufacturing, n.e.c.		3.670	4,962	
	347	Household appliance manufacturing		94.495	127,763	3
	398	Miscellaneous manufacturing, n.e.c.		1.835	2,481	
341	Radio, TV, and communication equipment		423,732			
	309	Commercial and service industry machinery manufacturing		1.282	5,432	
	319	Machinery manufacturing, n.e.c.		1.282	5,432	
	337	Communications, audio, and video equipment manufacturing		71.795	304,218	
	339	Electronic component and product manufacturing, n.e.c.		25.641	108,649	
342	Electrical machinery, equipment, & supplies		1,086,096			
	309	Commercial and service industry machinery manufacturing		0.772	8,387	
	338	Navigational, measuring, electromedical, and control instruments mfg.		0.772	8,387	
	339	Electronic component and product manufacturing, n.e.c.		40.154	436,116	
	349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		54.054	587,079	
	357	Motor vehicles and motor vehicle equipment manufacturing		4.247	46,128	
350	Not specified electric machinery, equipment, and supplies		358,819			
	339	Electronic component and product manufacturing, n.e.c.		18.831	67,570	
	349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		81.169	291,249	
351	Motor vehicles & motor vehicle equipment		1,215,133			
	318	Engines, turbines, and power transmission equipment manufacturing		1.810	21,993	
	357	Motor vehicles and motor vehicle equipment manufacturing		96.380	1,171,146	2
	369	Other transportation equipment manufacturing		0.905	10,997	
	729	Architectural, engineering, and related services		0.905	10,997	
352	Aircraft and parts		661,686			
	298	Miscellaneous fabricated metal products manufacturing		0.595	3,939	
	358	Aircraft and parts manufacturing		99.405	657,747	2
360	Ship and boat building and repairing		293,059			
	368	Ship and boat building		98.788	289,507	2
	888	Personal and household goods repair and maintenance		1.212	3,552	
361	Railroad locomotives and equipment		28,203			
	319	Machinery manufacturing, n.e.c.		2.727	769	
	367	Railroad rolling stock manufacturing		97.273	27,434	2

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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
362		Guided missiles, space vehicles, & parts	405,860			
	359	Aerospace product and parts manufacturing		100.000	405,860	1
370		Cycles and miscellaneous transportation equipment	62,869			
	357	Motor vehicles and motor vehicle equipment manufacturing		43.056	27,069	
	368	Ship and boat building		1.389	873	
	369	Other transportation equipment manufacturing		55.556	34,927	
371		Scientific and controlling instruments	233,096			
	298	Miscellaneous fabricated metal products manufacturing		2.597	6,054	
	338	Navigational, measuring, electromedical, and control instruments mfg.		90.909	211,905	3
	358	Aircraft and parts manufacturing		5.195	12,109	
	396	Medical equipment and supplies manufacturing		1.299	3,027	
372		Medical, dental, & optical instruments	304,374			
	309	Commercial and service industry machinery manufacturing		0.676	2,057	
	338	Navigational, measuring, electromedical, and control instruments mfg.		10.811	32,905	
	349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		0.676	2,057	
	396	Medical equipment and supplies manufacturing		87.838	267,356	
380		Photographic equipment and supplies	108,223			
	229	Industrial and miscellaneous chemicals		13.534	14,647	
	309	Commercial and service industry machinery manufacturing		86.466	93,576	
381		Watches, clocks, & clockwork operated devices	14,231			
	338	Navigational, measuring, electromedical, and control instruments mfg.		100.000	14,231	1
390		Toys, amusement, and sporting goods	144,896			
	369	Other transportation equipment manufacturing		2.027	2,937	
	389	Furniture and fixtures		1.351	1,958	
	397	Toys, amusement, and sporting goods manufacturing		96.622	140,001	2
391		Miscellaneous manufacturing industries	379,881			
	107	Animal food, grain, and oilseed milling		1.266	4,809	
	159	Textile product mills except carpets and rugs		1.266	4,809	
	199	Printing and related support activities		2.532	9,617	
	237	Plastics product manufacturing		3.797	14,426	
	249	Glass and glass product manufacturing		0.633	2,404	
	289	Coating, engraving, heat treating and allied activities		1.266	4,809	
	298	Miscellaneous fabricated metal products manufacturing		5.063	19,234	
	309	Commercial and service industry machinery manufacturing		0.633	2,404	
	338	Navigational, measuring, electromedical, and control instruments mfg.		1.266	4,809	
	339	Electronic component and product manufacturing, n.e.c.		1.899	7,213	
	347	Household appliance manufacturing		0.633	2,404	
	349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		0.633	2,404	
	387	Miscellaneous wood product manufacturing		0.633	2,404	
	389	Furniture and fixtures		1.266	4,809	
	396	Medical equipment and supplies manufacturing		0.633	2,404	
	397	Toys, amusement, and sporting goods manufacturing		0.633	2,404	
	398	Miscellaneous manufacturing, n.e.c.		75.949	288,517	

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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
392	Not specified manufacturing industries		788,385			
	398	Miscellaneous manufacturing, n.e.c.		6.536	51,528	
	399	Not specified manufacturing industries		93.464	736,857	3
400	Railroads		352,780			
	608	Rail transportation		88.701	312,918	
	628	Scenic and sightseeing transportation		0.565	1,993	
	629	Services incidental to transportation		10.169	35,876	
	767	Travel arrangement and reservation services		0.565	1,993	
401	Bus service and urban transit		448,697			
	618	Bus service and urban transit		79.736	357,772	
	619	Taxi and limousine service		5.727	25,696	
	628	Scenic and sightseeing transportation		1.762	7,907	
	818	Other health care services		11.894	53,369	
	957	Administration of economic programs and space research		0.881	3,953	
402	Taxicab service		115,874			
	619	Taxi and limousine service		100.000	115,874	1
410	Trucking service		1,865,006			
	617	Truck transportation		75.000	1,398,755	
	629	Services incidental to transportation		3.070	57,259	
	637	Postal Service		0.877	16,360	
	638	Courier and messengers		16.228	302,654	
	639	Warehousing and storage		0.439	8,180	
	779	Waste management and remediation services		4.386	81,799	
411	Warehousing and storage		222,844			
	617	Truck transportation		3.093	6,892	
	639	Warehousing and storage		86.598	192,978	
	707	Real estate		10.309	22,974	
412	U.S. Postal Service		880,709			
	637	Postal Service		100.000	880,709	1
420	Water transportation		162,181			
	609	Water transportation		42.515	68,951	
	628	Scenic and sightseeing transportation		7.784	12,625	
	629	Services incidental to transportation		32.934	53,413	
	767	Travel arrangement and reservation services		7.784	12,625	
	859	Other amusement, gambling, and recreation industries		8.982	14,567	
421	Air transportation		783,193			
	358	Aircraft and parts manufacturing		1.523	11,927	
	607	Air transportation		81.726	640,071	
	629	Services incidental to transportation		13.706	107,341	
	638	Courier and messengers		1.523	11,927	
	767	Travel arrangement and reservation services		1.015	7,951	
	769	Services to buildings and dwellings		0.508	3,976	
422	Pipe lines, except natural gas		13,409			

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
Census 2000 Codes and Categories						
	627	Pipeline transportation		100.000	13,409	1
432	Services incidental to transportation		531,998			
	628	Scenic and sightseeing transportation		3.896	20,727	
	629	Services incidental to transportation		42.857	227,999	
	719	Commercial, industrial, and other intangible assets rental and leasing		0.649	3,455	
	767	Travel arrangement and reservation services		52.597	279,817	
440	Radio & television broadcasting & cable		427,797			
	077	Construction		4.975	21,283	
	667	Radio and television broadcasting and cable		93.532	400,129	3
	669	Other telecommunication services		1.493	6,385	
441	Telephone communications		1,186,313			
	077	Construction		1.481	17,575	
	668	Wired telecommunications carriers		67.407	799,663	
	669	Other telecommunication services		31.111	369,075	
442	Telegraph & miscellaneous communication services		53,265			
	668	Wired telecommunications carriers		32.258	17,182	
	669	Other telecommunication services		45.161	24,055	
	689	Non-depository credit and related activities		16.129	8,591	
	759	Business support services		6.452	3,436	
450	Electric light and power		664,706			
	057	Electric power generation transmission and distribution		98.000	651,412	2
	069	Not specified utilities		2.000	13,294	
451	Gas and steam supply systems		175,673			
	058	Natural gas distribution		73.096	128,411	
	059	Electric and gas and other combinations		1.015	1,783	
	067	Water, steam, air-conditioning, and irrigation systems		1.523	2,675	
	627	Pipeline transportation		24.365	42,804	
452	Electric and gas, and other combinations		141,622			
	059	Electric and gas and other combinations		100.000	141,622	1
470	Water supply and irrigation		191,634			
	067	Water, steam, air-conditioning, and irrigation systems		96.835	185,570	2
	068	Sewage treatment facilities		3.165	6,064	
471	Sanitary services		254,827			
	067	Water, steam, air-conditioning, and irrigation systems		1.765	4,497	
	068	Sewage treatment facilities		32.353	82,444	
	629	Services incidental to transportation		2.353	5,996	
	769	Services to buildings and dwellings		1.765	4,497	
	779	Waste management and remediation services		54.706	139,405	
	948	Administration of human resource programs		1.176	2,998	
	949	Administration of environmental quality and housing programs		5.882	14,990	
472	Not specified utilities		102,384			
	069	Not specified utilities		100.000	102,384	1
500	Motor vehicles and equipment		344,499			

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	407	Motor vehicles, parts and supplies wholesalers		100.000	344,499	1
501		Furniture and home furnishings	111,567			
	408	Furniture and home furnishing wholesalers		100.000	111,567	1
502		Lumber and construction materials	183,506			
	409	Lumber and other construction materials wholesalers		100.000	183,506	1
510		Professional and commercial equipment	178,231			
	417	Professional and commercial equipment and supplies wholesalers		96.639	172,240	2
	429	Miscellaneous durable goods wholesalers		3.361	5,991	
511		Metals and minerals, except petroleum	98,243			
	418	Metals and minerals, except petroleum, wholesalers		94.118	92,464	3
	427	Machinery, equipment, and supplies wholesalers		5.882	5,779	
512		Electrical goods	375,266			
	417	Professional and commercial equipment and supplies wholesalers		4.706	17,660	
	419	Electrical goods wholesalers		95.294	357,606	2
521		Hardware, plumbing and heating supplies	317,537			
	077	Construction		12.195	38,724	
	426	Hardware, plumbing and heating equipment, and supplies wholesalers		87.805	278,813	
530		Machinery, equipment, and supplies	952,948			
	426	Hardware, plumbing and heating equipment, and supplies wholesalers		0.901	8,585	
	427	Machinery, equipment, and supplies wholesalers		99.099	944,363	2
531		Scrap and waste materials	157,741			
	428	Recyclable material wholesalers		100.000	157,741	1
532		Miscellaneous wholesale, durable goods	111,744			
	429	Miscellaneous durable goods wholesalers		100.000	111,744	1
540		Paper and paper products	135,708			
	437	Paper and paper product wholesalers		100.000	135,708	1
541		Drugs, chemicals and allied products	205,307			
	417	Professional and commercial equipment and supplies wholesalers		2.222	4,562	
	438	Drugs, sundries, and chemical and allied product wholesalers		97.778	200,745	2
542		Apparel, fabrics, and notions	152,804			
	149	Textile and fabric finishing and coating mills		6.250	9,550	
	439	Apparel, fabrics, and notions wholesalers		93.750	143,254	3
550		Groceries and related products	860,159			
	447	Groceries and related product wholesalers		99.543	856,231	2
	448	Farm product raw material wholesalers		0.457	3,928	
551		Farm-product raw materials	70,452			
	448	Farm product raw material wholesalers		88.421	62,294	
	457	Farm supplies wholesalers		11.579	8,158	
552		Petroleum products	178,884			
	449	Petroleum and petroleum product wholesalers		100.000	178,884	1
560		Alcoholic beverages	127,390			
	456	Alcoholic beverage wholesalers		100.000	127,390	1
561		Farm supplies	118,272			

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	017	Crop production		1.887	2,232	
	107	Animal food, grain, and oilseed milling		2.516	2,975	
	438	Drugs, sundries, and chemical and allied product wholesalers		2.516	2,975	
	457	Farm supplies wholesalers		72.327	85,543	
	489	Lawn and garden equipment and supplies stores		20.755	24,547	
562	Miscellaneous wholesale, nondurable goods		233,397			
	429	Miscellaneous durable goods wholesalers		1.000	2,334	
	458	Miscellaneous nondurable goods wholesalers		97.000	226,395	2
	747	Advertising and related services		2.000	4,668	
571	Not specified wholesale trade		403,125			
	429	Miscellaneous durable goods wholesalers		7.547	30,425	
	459	Not specified wholesale trade		92.453	372,700	3
580	Lumber and building material retailing		507,440			
	077	Construction		2.691	13,653	
	409	Lumber and other construction materials wholesalers		3.587	18,204	
	487	Building material and supplies dealers		92.377	468,756	3
	488	Hardware stores		1.345	6,827	
581	Hardware stores		205,629			
	487	Building material and supplies dealers		6.509	13,384	
	488	Hardware stores		92.308	189,811	3
	489	Lawn and garden equipment and supplies stores		1.183	2,433	
582	Retail nurseries and garden stores		83,728			
	489	Lawn and garden equipment and supplies stores		100.000	83,728	1
590	Mobile home dealers		27,726			
	558	Miscellaneous retail stores		100.000	27,726	1
591	Department stores		1,919,006			
	538	Department stores		100.000	1,919,006	1
592	Variety stores		103,654			
	539	Miscellaneous general merchandise stores		100.000	103,654	1
600	Miscellaneous general merchandise stores		158,669			
	539	Miscellaneous general merchandise stores		100.000	158,669	1
601	Grocery stores		3,126,942			
	497	Grocery stores		96.714	3,024,179	2
	539	Miscellaneous general merchandise stores		1.408	44,041	
	639	Warehousing and storage		0.939	29,361	
	868	Restaurants and other food services		0.939	29,361	
602	Dairy products stores		54,746			
	497	Grocery stores		3.810	2,086	
	498	Specialty food stores		80.000	43,797	
	868	Restaurants and other food services		16.190	8,864	
610	Retail bakeries		239,273			
	119	Retail bakeries		78.818	188,590	
	127	Bakeries except retail		3.941	9,429	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	498	Specialty food stores		1.478	3,536	
	868	Restaurants and other food services		15.764	37,718	
611	Food stores n.e.c.		173,243			
	498	Specialty food stores		91.946	159,291	3
	508	Health and personal care, except drug, stores		4.698	8,139	
	569	Other direct selling establishments		3.356	5,814	
612	Motor vehicle dealers		1,189,447			
	467	Automobile dealers		100.000	1,189,447	1
620	Auto and home supply stores		379,346			
	469	Auto parts, accessories, and tire stores		100.000	379,346	1
621	Gasoline service stations		568,280			
	509	Gasoline stations		100.000	568,280	1
622	Miscellaneous vehicle dealers		92,691			
	468	Other motor vehicle dealers		100.000	92,691	1
623	Apparel & accessory stores, except shoes		888,103			
	168	Cut and sew apparel manufacturing		8.025	71,268	
	517	Clothing and accessories, except shoe, stores		88.272	783,943	
	519	Jewelry, luggage, and leather goods stores		0.617	5,482	
	527	Sporting goods, camera, and hobby and toy stores		2.469	21,928	
	549	Used merchandise stores		0.617	5,482	
630	Shoe stores		178,910			
	518	Shoe stores		100.000	178,910	1
631	Furniture and home furnishings stores		578,444			
	389	Furniture and fixtures		7.568	43,774	
	477	Furniture and home furnishings stores		91.351	528,416	3
	528	Sewing, needlework and piece goods stores		1.081	6,253	
632	Household appliance stores		114,034			
	478	Household appliance stores		92.920	105,961	3
	487	Building material and supplies dealers		1.770	2,018	
	528	Sewing, needlework and piece goods stores		5.310	6,055	
633	Radio, TV, and computer stores		373,972			
	479	Radio, TV, and computer stores		97.661	365,224	2
	529	Music stores		2.339	8,748	
640	Music stores		115,370			
	529	Music stores		100.000	115,370	1
641	Eating and drinking places		6,087,034			
	509	Gasoline stations		0.829	50,445	
	859	Other amusement, gambling, and recreation industries		0.552	33,630	
	866	Traveler accommodation		0.829	50,445	
	868	Restaurants and other food services		94.475	5,750,734	3
	869	Drinking places, alcoholic beverages		3.315	201,780	
642	Drug stores		615,816			
	507	Pharmacies and drug stores		98.324	605,495	2

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	508	Health and personal care, except drug, stores		1.676	10,321	
650	Liquor stores		156,401			
	499	Beer, wine, and liquor stores		93.421	146,111	3
	558	Miscellaneous retail stores		6.579	10,290	
651	Sporting goods, bicycles, & hobby stores		316,361			
	247	Pottery, ceramics, and related products manufacturing		0.524	1,656	
	429	Miscellaneous durable goods wholesalers		0.524	1,656	
	527	Sporting goods, camera, and hobby and toy stores		98.429	311,392	2
	558	Miscellaneous retail stores		0.524	1,656	
652	Book and stationery stores		222,316			
	537	Book stores and news dealers		45.455	101,053	
	548	Office supplies and stationary stores		54.545	121,263	
660	Jewelry stores		194,001			
	398	Miscellaneous manufacturing, n.e.c.		2.778	5,389	
	519	Jewelry, luggage, and leather goods stores		97.222	188,612	2
661	Gift, novelty, and souvenir shops		193,749			
	557	Gift, novelty, and souvenir shops		100.000	193,749	1
662	Sewing, needlework & piece goods stores		63,905			
	528	Sewing, needlework and piece goods stores		100.000	63,905	1
663	Catalog and mail order houses		158,300			
	479	Radio, TV, and computer stores		3.876	6,136	
	559	Electronic shopping and mail-order houses		96.124	152,164	2
670	Vending machine operators		79,940			
	567	Vending machine operators		100.000	79,940	1
671	Direct selling establishments		219,154			
	498	Specialty food stores		1.205	2,640	
	569	Other direct selling establishments		95.181	208,592	2
	868	Restaurants and other food services		3.614	7,921	
672	Fuel dealers		122,900			
	568	Fuel dealers		100.000	122,900	1
681	Retail florists		196,844			
	547	Retail florists		100.000	196,844	1
682	Miscellaneous retail stores		632,622			
	469	Auto parts, accessories, and tire stores		2.174	13,753	
	477	Furniture and home furnishings stores		3.804	24,067	
	479	Radio, TV, and computer stores		3.804	24,067	
	508	Health and personal care, except drug, stores		25.000	158,156	
	537	Book stores and news dealers		3.261	20,629	
	548	Office supplies and stationary stores		1.630	10,314	
	549	Used merchandise stores		18.478	116,898	
	557	Gift, novelty, and souvenir shops		0.543	3,438	
	558	Miscellaneous retail stores		38.043	240,671	
	689	Non-depository credit and related activities		3.261	20,629	

**Table 1. 1990 Census Industry Classification System and
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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
691	Not specified retail trade		747,009			
	579	Not specified retail trade		100.000	747,009	1
700	Banking		2,165,602			
	687	Banking and related activities		92.040	1,993,216	3
	689	Non-depository credit and related activities		5.473	118,516	
	697	Securities, commodities, funds, trusts, and other financial investments		0.995	21,548	
	959	National security and international affairs		1.493	32,322	
701	Savings institutions, including credit unions		281,388			
	688	Savings institutions, including credit unions		100.000	281,388	1
702	Credit agencies, n.e.c.		453,285			
	687	Banking and related activities		3.488	15,812	
	688	Savings institutions, including credit unions		1.163	5,271	
	689	Non-depository credit and related activities		90.116	408,484	3
	697	Securities, commodities, funds, trusts, and other financial investments		5.233	23,718	
710	Security, commodity brokerage, & investments		723,754			
	697	Securities, commodities, funds, trusts, and other financial investments		98.246	711,057	2
	719	Commercial, industrial, and other intangible assets rental and leasing		0.585	4,232	
	757	Management of companies and enterprises		0.585	4,232	
	917	Civic, social, advocacy organizations, and grantmaking and giving services		0.585	4,232	
711	Insurance		2,517,725			
	697	Securities, commodities, funds, trusts, and other financial investments		1.031	25,956	
	699	Insurance carriers and related activities		96.907	2,439,857	2
	729	Architectural, engineering, and related services		0.515	12,978	
	739	Management, scientific and technical consulting services		1.546	38,934	
712	Real estate, including real estate-insurance offices		2,102,900			
	077	Construction		3.465	72,873	
	697	Securities, commodities, funds, trusts, and other financial investments		0.495	10,410	
	707	Real estate		87.129	1,832,230	
	727	Legal services		1.980	41,642	
	829	Residential care facilities, without nursing		1.485	31,231	
	866	Traveler accommodation		0.990	20,821	
	908	Funeral homes, cemeteries and crematories		4.455	93,694	
721	Advertising		326,980			
	747	Advertising and related services		100.000	326,980	1
722	Services to dwellings & other buildings		830,160			
	769	Services to buildings and dwellings		100.000	830,160	1
731	Personnel supply services		547,102			
	739	Management, scientific and technical consulting services		5.747	31,443	
	758	Employment services		86.782	474,784	
	808	Offices of other health practitioners		4.598	25,154	
	856	Independent artists, performing arts, spectator sports, & related industries		2.874	15,721	
732	Computer and data processing services		764,369			
	339	Electronic component and product manufacturing, n.e.c.		3.125	23,887	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	649	Software publishing		6.250	47,773	
	678	Other information services		1.250	9,555	
	679	Data processing services		25.625	195,870	
	719	Commercial, industrial, and other intangible assets rental and leasing		2.500	19,109	
	738	Computer systems design and related services		55.625	425,180	
	879	Electronic and precision equipment repair and maintenance		5.625	42,996	
740	Detective and protective services		424,969			
	469	Auto parts, accessories, and tire stores		0.625	2,656	
	678	Other information services		1.250	5,312	
	768	Investigation and security services		98.125	417,001	2
741	Business services, n.e.c.		1,311,768			
	029	Support activities for agriculture and forestry		0.256	3,355	
	049	Support activities for mining		0.256	3,355	
	077	Construction		1.790	23,484	
	199	Printing and related support activities		0.767	10,065	
	558	Miscellaneous retail stores		1.279	16,775	
	629	Services incidental to transportation		0.512	6,710	
	637	Postal Service		0.767	10,065	
	638	Courier and messengers		0.512	6,710	
	648	Publishing except newspapers and software		0.512	6,710	
	659	Sound recording industries		2.558	33,549	
	667	Radio and television broadcasting and cable		0.512	6,710	
	669	Other telecommunication services		0.256	3,355	
	678	Other information services		1.023	13,420	
	679	Data processing services		1.023	13,420	
	689	Non-depository credit and related activities		1.023	13,420	
	697	Securities, commodities, funds, trusts, and other financial investments		1.023	13,420	
	708	Automotive equipment rental and leasing		0.512	6,710	
	718	Other consumer goods rental		4.348	57,033	
	719	Commercial, industrial, and other intangible assets rental and leasing		1.023	13,420	
	727	Legal services		0.512	6,710	
	729	Architectural, engineering, and related services		3.069	40,259	
	737	Specialized design services		13.555	177,810	
	738	Computer systems design and related services		0.256	3,355	
	739	Management, scientific and technical consulting services		1.790	23,484	
	747	Advertising and related services		7.161	93,937	
	749	Other professional, scientific and technical services		6.394	83,873	
	758	Employment services		1.023	13,420	
	759	Business support services		32.992	432,783	
	767	Travel arrangement and reservation services		0.512	6,710	
	769	Services to buildings and dwellings		1.790	23,484	
	777	Landscaping services		0.256	3,355	
	778	Other administrative and other support services		4.092	53,678	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	779	Waste management and remediation services		0.512	6,710	
	856	Independent artists, performing arts, spectator sports, & related industries		0.512	6,710	
	859	Other amusement, gambling, and recreation industries		0.256	3,355	
	879	Electronic and precision equipment repair and maintenance		0.256	3,355	
	909	Other personal services		5.115	67,098	
742	Automotive rental and leasing, without drivers		147,729			
	708	Automotive equipment rental and leasing		100.000	147,729	1
750	Automobile parking and carwashes		157,650			
	878	Car washes		63.473	100,065	
	909	Other personal services		36.527	57,585	
751	Automotive repair and related services		1,027,434			
	238	Tire manufacturing		1.081	11,107	
	629	Services incidental to transportation		7.568	77,752	
	877	Automotive repair and maintenance		91.351	938,575	3
752	Electrical repair shops		93,551			
	349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		5.042	4,717	
	478	Household appliance stores		2.521	2,358	
	479	Radio, TV, and computer stores		12.605	11,792	
	879	Electronic and precision equipment repair and maintenance		66.387	62,105	
	887	Commercial & industrial machinery & equipment repair & maintenance		6.723	6,289	
	888	Personal and household goods repair and maintenance		6.723	6,289	
760	Miscellaneous repair services		412,363			
	029	Support activities for agriculture and forestry		0.685	2,824	
	077	Construction		5.479	22,595	
	527	Sporting goods, camera, and hobby and toy stores		0.685	2,824	
	629	Services incidental to transportation		0.685	2,824	
	768	Investigation and security services		6.164	25,420	
	769	Services to buildings and dwellings		2.055	8,473	
	779	Waste management and remediation services		2.055	8,473	
	856	Independent artists, performing arts, spectator sports, & related industries		2.055	8,473	
	877	Automotive repair and maintenance		3.425	14,122	
	879	Electronic and precision equipment repair and maintenance		4.795	19,771	
	887	Commercial & industrial machinery & equipment repair & maintenance		30.822	127,098	
	888	Personal and household goods repair and maintenance		41.096	169,464	
761	Private households		682,195			
	817	Home health care services		2.959	20,183	
	929	Private households		97.041	662,012	2
762	Hotels and motels		1,317,779			
	707	Real estate		0.495	6,524	
	866	Traveler accommodation		99.505	1,311,255	2
770	Lodging places, exc hotels & motels		98,317			
	707	Real estate		34.969	34,381	
	866	Traveler accommodation		2.454	2,413	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	867	Recreational vehicle parks and camps, and rooming and boarding houses		62.577	61,524	
771	Laundry, cleaning, and garment services		494,271			
	769	Services to buildings and dwellings		17.045	84,251	
	888	Personal and household goods repair and maintenance		2.273	11,233	
	907	Drycleaning and laundry services		80.682	398,787	
772	Beauty shops		740,421			
	788	Business, technical, and trade schools and training		3.960	29,324	
	898	Beauty salons		90.594	670,777	3
	899	Nail salons and other personal care services		5.446	40,320	
780	Barber shops		82,570			
	788	Business, technical, and trade schools and training		3.333	2,752	
	897	Barber shops		96.667	79,818	2
781	Funeral service and crematories		86,581			
	908	Funeral homes, cemeteries and crematories		100.000	86,581	1
782	Shoe repair shops		19,743			
	889	Footwear and leather goods repair		93.514	18,462	3
	907	Drycleaning and laundry services		0.541	107	
	909	Other personal services		5.946	1,174	
790	Dressmaking shops		35,411			
	159	Textile product mills except carpets and rugs		6.349	2,248	
	168	Cut and sew apparel manufacturing		23.810	8,431	
	888	Personal and household goods repair and maintenance		69.841	24,731	
791	Miscellaneous personal services		382,468			
	718	Other consumer goods rental		3.226	12,338	
	728	Accounting, tax preparation, bookkeeping and payroll services		23.226	88,831	
	749	Other professional, scientific and technical services		32.903	125,844	
	856	Independent artists, performing arts, spectator sports, & related industries		12.903	49,351	
	888	Personal and household goods repair and maintenance		0.645	2,468	
	899	Nail salons and other personal care services		20.000	76,494	
	909	Other personal services		7.097	27,143	
800	Theaters and motion pictures		497,013			
	339	Electronic component and product manufacturing, n.e.c.		0.546	2,716	
	657	Motion pictures and video industries		63.934	317,762	
	659	Sound recording industries		0.546	2,716	
	667	Radio and television broadcasting and cable		1.639	8,148	
	856	Independent artists, performing arts, spectator sports, & related industries		33.333	165,671	
801	Video tape rental		127,165			
	717	Video tape and disk rental		100.000	127,165	1
802	Bowling centers		65,335			
	858	Bowling centers		100.000	65,335	1
810	Miscellaneous entertainment & recreation		1,098,748			
	707	Real estate		0.413	4,540	
	767	Travel arrangement and reservation services		0.413	4,540	

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	789	Other schools, instruction, and educational services		3.719	40,863	
	856	Independent artists, performing arts, spectator sports, & related industries		11.570	127,128	
	857	Museums, art galleries, historical sites, and similar institutions		2.066	22,701	
	859	Other amusement, gambling, and recreation industries		76.033	835,412	
	866	Traveler accommodation		1.653	18,161	
	867	Recreational vehicle parks and camps, and rooming and boarding houses		0.826	9,081	
	868	Restaurants and other food services		0.413	4,540	
	869	Drinking places, alcoholic beverages		0.826	9,081	
	899	Nail salons and other personal care services		1.240	13,621	
	909	Other personal services		0.413	4,540	
	949	Administration of environmental quality and housing programs		0.413	4,540	
812	Offices and clinics of physicians		1,221,738			
	797	Offices of physicians		84.716	1,035,009	
	808	Offices of other health practitioners		1.310	16,005	
	809	Outpatient care centers		10.917	133,378	
	818	Other health care services		3.057	37,346	
820	Offices and clinics of dentists		571,441			
	798	Offices of dentists		98.964	565,519	2
	818	Other health care services		1.036	5,922	
821	Offices and clinics of chiropractors		96,114			
	799	Office of chiropractors		100.000	96,114	1
822	Offices and clinics of optometrists		64,085			
	807	Offices of optometrists		100.000	64,085	1
830	Offices & clinics of health practitioners n.e.c.		97,266			
	808	Offices of other health practitioners		100.000	97,266	1
831	Hospitals		5,329,531			
	819	Hospitals		100.000	5,329,531	1
832	Nursing and personal care facilities		1,475,904			
	808	Offices of other health practitioners		1.579	23,304	
	818	Other health care services		0.526	7,768	
	819	Hospitals		1.053	15,536	
	827	Nursing care facilities		86.316	1,273,938	
	829	Residential care facilities, without nursing		10.526	155,358	
840	Health services, n.e.c.		1,141,303			
	396	Medical equipment and supplies manufacturing		6.494	74,111	
	808	Offices of other health practitioners		11.039	125,988	
	809	Outpatient care centers		18.182	207,510	
	817	Home health care services		20.779	237,154	
	818	Other health care services		36.364	415,019	
	837	Individual and family services		3.247	37,055	
	948	Administration of human resource programs		3.896	44,466	
841	Legal services		1,308,998			
	727	Legal services		100.000	1,308,998	1

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
842	Elementary and secondary schools		6,579,871			
	618	Bus service and urban transit		0.467	30,747	
	786	Elementary and secondary schools		98.598	6,487,630	2
	868	Restaurants and other food services		0.935	61,494	
850	Colleges and universities		2,779,130			
	787	Colleges and universities, including junior colleges		97.872	2,720,000	2
	788	Business, technical, and trade schools and training		2.128	59,130	
851	Vocational schools		53,294			
	788	Business, technical, and trade schools and training		89.583	47,743	
	789	Other schools, instruction, and educational services		10.417	5,551	
852	Libraries		218,899			
	677	Libraries and archives		100.000	218,899	1
860	Educational services, nec.		223,019			
	787	Colleges and universities, including junior colleges		6.061	13,516	
	788	Business, technical, and trade schools and training		3.030	6,758	
	789	Other schools, instruction, and educational services		84.848	189,228	
	837	Individual and family services		5.051	11,264	
	917	Civic, social, advocacy organizations, and grantmaking and giving services		1.010	2,253	
861	Job training & vocational rehab services		131,449			1
	839	Vocational rehabilitation services		100.000	131,449	
862	Child day care services		661,360			
	847	Child day care services		100.000	661,360	1
863	Family child care homes		450,626			
	847	Child day care services		100.000	450,626	1
870	Residential care facilities, without nursing		321,609			
	788	Business, technical, and trade schools and training		1.010	3,249	
	809	Outpatient care centers		6.061	19,491	
	829	Residential care facilities, without nursing		85.859	276,129	
	838	Community food and housing, and emergency services		7.071	22,740	
871	Social services, n.e.c.		834,560			
	817	Home health care services		2.367	19,753	
	829	Residential care facilities, without nursing		4.734	39,506	
	837	Individual and family services		53.846	449,378	
	838	Community food and housing, and emergency services		2.959	24,691	
	916	Religious organizations		1.775	14,815	
	917	Civic, social, advocacy organizations, and grantmaking and giving services		17.751	148,147	
	919	Business, professional, political, and similar organizations		3.550	29,629	
	947	Justice, public order, and safety activities		5.325	44,444	
	948	Administration of human resource programs		7.692	64,197	
872	Museums, art galleries, and zoos		108,680			
	857	Museums, art galleries, historical sites, and similar institutions		100.000	108,680	1
873	Labor unions		100,795			
	918	Labor unions		100.000	100,795	1

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
880	Religious organizations		841,625			
	916	Religious organizations		100.000	841,625	1
881	Membership organizations, nec.		345,773			
	767	Travel arrangement and reservation services		4.098	14,171	
	917	Civic, social, advocacy organizations, and grantmaking and giving services		59.016	204,063	
	919	Business, professional, political, and similar organizations		36.885	127,539	
882	Engineering, architectural, & surveying		702,216			
	729	Architectural, engineering, and related services		100.000	702,216	1
890	Accounting, auditing, and bookkeeping		727,327			
	728	Accounting, tax preparation, bookkeeping and payroll services		100.000	727,327	1
891	Research, development, and testing		540,985			
	729	Architectural, engineering, and related services		21.472	116,162	
	746	Scientific research and development services		65.031	351,806	
	749	Other professional, scientific and technical services		13.497	73,016	
892	Management and public relations		602,254			
	728	Accounting, tax preparation, bookkeeping and payroll services		2.055	12,375	
	729	Architectural, engineering, and related services		3.425	20,625	
	737	Specialized design services		0.685	4,125	
	739	Management, scientific and technical consulting services		78.767	474,378	
	747	Advertising and related services		7.534	45,375	
	749	Other professional, scientific and technical services		2.740	16,500	
	757	Management of companies and enterprises		0.685	4,125	
	778	Other administrative and other support services		2.740	16,500	
	789	Other schools, instruction, and educational services		1.370	8,250	
893	Miscellaneous professional and related services		285,927			
	729	Architectural, engineering, and related services		4.630	13,237	
	739	Management, scientific and technical consulting services		4.630	13,237	
	746	Scientific research and development services		6.481	18,532	
	749	Other professional, scientific and technical services		4.630	13,237	
	856	Independent artists, performing arts, spectator sports, & related industries		79.630	227,683	
900	Executive and legislative offices		116,733			
	937	Executive offices and legislative bodies		100.000	116,733	1
901	General government nec.		1,410,499			
	937	Executive offices and legislative bodies		14.433	203,577	
	939	Other general government and support		82.990	1,170,569	
	949	Administration of environmental quality and housing programs		2.577	36,353	
910	Justice, public order, and safety		1,866,160			
	909	Other personal services		0.930	17,360	
	947	Justice, public order, and safety activities		97.209	1,814,081	2
	959	National security and international affairs		1.860	34,719	
921	Public finance, taxation, and monetary policy		332,799			
	938	Public finance activities		100.000	332,799	1
922	Administration of human resource programs		476,823			

**Table 1. 1990 Census Industry Classification System and
Its Redistribution into the Census 2000 Industry Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
	758	Employment services		2.139	10,199	
	837	Individual and family services		9.626	45,897	
	948	Administration of human resource programs		87.166	415,626	
	957	Administration of economic programs and space research		1.070	5,100	
930		Administration of enviro quality & housing progs	153,243			
	949	Administration of environmental quality and housing programs		100.000	153,243	1
931		Administration of economic programs	579,685			
	629	Services incidental to transportation		2.381	13,802	
	949	Administration of environmental quality and housing programs		2.976	17,253	
	957	Administration of economic programs and space research		94.643	548,630	3
932		National security & international affairs	762,035			
	959	National security and international affairs		100.000	762,035	1
		Unemployed, not classified by industry	1,017,224			
		Unemployed, not classified by industry		100.000	1,017,224	1
(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was in the Armed Forces, or who never worked.)						
The following Armed Forces categories are not part of the Civilian Labor Force						
940		Army				
	967	U. S. Army		100.000		1
941		Air Force				
	968	U. S. Air Force		100.000		1
942		Navy				
	969	U. S. Navy		100.000		1
950		Marines				
	977	U. S. Marines		100.000		1
951		Coast Guard				
	978	U. S. Coast Guard		100.000		1
952		Armed forces, branch n.s.				
	979	U. S. Armed Forces, branch not specified		100.000		1
960		Military reserves or National Guard				
	987	Military Reserves or National Guard		100.000		1

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System						
<i>Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.</i>						
1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
Total	Civilian Labor Force		123,473,450		123,473,450	
003	Legislators		12,716			
	003	Legislators		100.000	12,716	1
004	Chief executives & general administrators, public administration		19,023			
	001	Chief executives		77.143	14,675	
	043	Managers, all other		22.857	4,348	
005	Administrators and officials, public administration		506,683			
	001	Chief executives		1.571	7,958	
	002	General and operations managers		3.141	15,917	
	010	Administrative services managers		2.094	10,611	
	011	Computer and information systems managers		1.571	7,958	
	012	Financial managers		5.236	26,528	
	013	Human resources managers		1.047	5,306	
	015	Purchasing managers		2.094	10,611	
	016	Transportation, storage, and distribution managers		0.524	2,653	
	022	Construction managers		0.524	2,653	
	023	Education administrators		2.094	10,611	
	030	Engineering managers		0.524	2,653	
	036	Natural sciences managers		0.524	2,653	
	041	Property, real estate, and community association managers		1.047	5,306	
	042	Social and community service managers		4.712	23,875	
	043	Managers, all other		40.838	206,918	
	054	Claims adjusters, appraisers, examiners, and investigators		4.188	21,222	
	062	Human resources, training, and labor relations specialists		2.094	10,611	
	081	Appraisers and assessors of real estate		3.141	15,917	
	084	Financial analysts		0.524	2,653	
	093	Tax examiners, collectors, and revenue agents		5.236	26,528	
	122	Operations research analysts		5.759	29,181	
	164	Conservation scientists and foresters		0.524	2,653	
	202	Miscellaneous community and social service specialists		2.094	10,611	
	211	Judges, magistrates, and other judicial workers		2.618	13,264	
	215	Miscellaneous legal support workers		0.524	2,653	
	354	Other healthcare practitioners and technical occupations		0.524	2,653	
	382	Detectives and criminal investigators		0.524	2,653	
	395	Lifeguards and other protective service workers		0.524	2,653	
	525	Eligibility interviewers, government programs		4.188	21,222	
006	Administrators, protective services		49,273			
	043	Managers, all other		14.019	6,907	
	056	Compliance officers, except agriculture, construction, health and safety, and transportation		8.411	4,144	
	073	Other business operations specialists		1.869	921	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	211 Judges, magistrates, and other judicial workers		0.935	460	
	370 First-line supervisors/managers of correctional officers		7.477	3,684	
	371 First-line supervisors/managers of police and detectives		28.972	14,275	
	372 First-line supervisors/managers of fire fighting and prevention workers		16.822	8,289	
	373 Supervisors, protective service workers, all other		21.495	10,591	
007	Financial managers	635,911			
	012 Financial managers		100.000	635,911	1
008	Personnel and labor relations managers	275,495			
	013 Human resources managers		100.000	275,495	1
009	Purchasing managers	120,775			
	015 Purchasing managers		96.212	116,200	2
	211 Judges, magistrates, and other judicial workers		3.788	4,575	
013	Managers, marketing, advertising, and public relations	609,109			
	004 Advertising and promotions managers		13.084	79,697	
	005 Marketing and sales managers		81.308	495,257	
	006 Public relations managers		1.402	8,539	
	471 First-line supervisors/managers of non-retail sales workers		4.206	25,617	
014	Administrators, education and related fields	623,612			
	001 Chief executives		1.031	6,429	
	023 Education administrators		95.361	594,682	2
	034 Lodging managers		1.031	6,429	
	073 Other business operations specialists		1.031	6,429	
	095 Financial specialists, all other		1.546	9,643	
015	Managers, medicine and health	233,621			
	023 Education administrators		1.695	3,960	
	035 Medical and health services managers		94.068	219,762	3
	570 Secretaries and administrative assistants		4.237	9,899	
016	Postmasters and mail superintendents	39,846			
	040 Postmasters and mail superintendents		100.000	39,846	1
017	Managers, food serving and lodging establishments	1,030,651			
	002 General and operations managers		2.620	27,004	
	031 Food service managers		58.079	598,588	
	033 Gaming managers		0.873	9,001	
	034 Lodging managers		9.170	94,514	
	072 Meeting and convention planners		0.437	4,501	
	400 Chefs and head cooks		1.747	18,003	
	401 First-line supervisors/managers of food preparation and serving workers		27.074	279,041	
018	Managers, properties and real estate	411,466			
	034 Lodging managers		0.694	2,857	
	041 Property, real estate, and community association managers		91.667	377,177	3
	492 Real estate brokers and sales agents		7.639	31,431	
019	Funeral directors	45,486			
	032 Funeral directors		100.000	45,486	1

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
021	Managers, service organizations, n.e.c.	404,073			
	001 Chief executives		1.190	4,810	
	002 General and operations managers		5.952	24,052	
	005 Marketing and sales managers		0.595	2,405	
	006 Public relations managers		1.190	4,810	
	011 Computer and information systems managers		1.190	4,810	
	013 Human resources managers		1.190	4,810	
	023 Education administrators		0.595	2,405	
	033 Gaming managers		1.190	4,810	
	034 Lodging managers		1.190	4,810	
	035 Medical and health services managers		3.571	14,431	
	041 Property, real estate, and community association managers		0.595	2,405	
	042 Social and community service managers		29.762	120,260	
	043 Managers, all other		27.381	110,639	
	062 Human resources, training, and labor relations specialists		4.762	19,242	
	072 Meeting and convention planners		2.976	12,026	
	201 Social workers		1.786	7,216	
	202 Miscellaneous community and social service specialists		4.762	19,242	
	462 Recreation and fitness workers		10.119	40,888	
022	Managers and administrators, n.e.c.	5,345,993			
	001 Chief executives		8.626	461,131	
	002 General and operations managers		8.480	453,315	
	005 Marketing and sales managers		1.608	85,974	
	010 Administrative services managers		1.023	54,710	
	011 Computer and information systems managers		2.193	117,237	
	012 Financial managers		1.170	62,526	
	014 Industrial production managers		1.754	93,789	
	015 Purchasing managers		1.316	70,342	
	016 Transportation, storage, and distribution managers		2.485	132,868	
	022 Construction managers		5.702	304,815	
	023 Education administrators		1.316	70,342	
	030 Engineering managers		1.023	54,710	
	034 Lodging managers		0.292	15,632	
	035 Medical and health services managers		1.316	70,342	
	036 Natural sciences managers		0.292	15,632	
	042 Social and community service managers		0.877	46,895	
	043 Managers, all other		28.216	1,508,445	
	050 Agents and business managers of artists, performers, and athletes		0.146	7,816	
	060 Cost estimators		2.047	109,421	
	073 Other business operations specialists		1.023	54,710	
	101 Computer programmers		0.585	31,263	
	110 Network and computer systems administrators		0.292	15,632	
	131 Surveyors, cartographers, and photogrammetrists		0.146	7,816	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	202 Miscellaneous community and social service specialists		0.292	15,632	
	240 Archivists, curators, and museum technicians		0.877	46,895	
	263 Designers		0.146	7,816	
	271 Producers and directors		0.877	46,895	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		0.731	39,079	
	430 First-line supervisors/managers of gaming workers		1.023	54,710	
	462 Recreation and fitness workers		1.023	54,710	
	471 First-line supervisors/managers of non-retail sales workers		3.363	179,763	
	500 First-line supervisors/managers of office and administrative support workers		10.819	578,368	
	570 Secretaries and administrative assistants		3.947	211,026	
	700 First-line supervisors/managers of mechanics, installers, and repairers		1.901	101,605	
	900 Supervisors, transportation and material moving workers		2.632	140,684	
	904 Air traffic controllers and airfield operations specialists		0.439	23,447	
023	Accountants and auditors	1,590,178			
	012 Financial managers		3.488	55,471	
	080 Accountants and auditors		93.605	1,488,481	3
	093 Tax examiners, collectors, and revenue agents		2.907	46,226	
024	Underwriters	67,767			
	086 Insurance underwriters		100.000	67,767	1
025	Other financial officers	679,275			
	012 Financial managers		17.204	116,865	
	082 Budget analysts		8.065	54,780	
	083 Credit analysts		2.688	18,260	
	084 Financial analysts		3.226	21,912	
	085 Personal financial advisors		6.452	43,824	
	086 Insurance underwriters		1.613	10,956	
	091 Loan counselors and officers		38.710	262,945	
	094 Tax preparers		15.054	102,256	
	095 Financial specialists, all other		4.301	29,216	
	482 Securities, commodities, and financial services sales agents		2.688	18,260	
026	Management analysts	281,789			
	071 Management analysts		100.000	281,789	1
027	Personnel, training, and labor relations specialists	513,625			
	013 Human resources managers		6.215	31,920	
	062 Human resources, training, and labor relations specialists		92.090	472,999	3
	073 Other business operations specialists		1.130	5,804	
	211 Judges, magistrates, and other judicial workers		0.565	2,902	
028	Purchasing agents and buyers, farm products	17,298			
	051 Purchasing agents and buyers, farm products		90.741	15,696	3
	485 Sales representatives, wholesale and manufacturing		9.259	1,602	
029	Buyers, wholesale and retail trade, except farm products	228,399			
	052 Wholesale and retail buyers, except farm products		87.574	200,018	
	053 Purchasing agents, except wholesale, retail, and farm products		10.651	24,327	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	485 Sales representatives, wholesale and manufacturing		1.775	4,054	
033	Purchasing agents and buyers, n.e.c.	246,967			
	015 Purchasing managers		2.732	6,748	
	051 Purchasing agents and buyers, farm products		4.918	12,146	
	052 Wholesale and retail buyers, except farm products		7.650	18,894	
	053 Purchasing agents, except wholesale, retail, and farm products		84.699	209,180	
034	Business and promotion agents	36,492			
	042 Social and community service managers		6.024	2,198	
	050 Agents and business managers of artists, performers, and athletes		86.747	31,656	
	062 Human resources, training, and labor relations specialists		2.410	879	
	073 Other business operations specialists		4.819	1,759	
035	Construction inspectors	64,284			
	666 Construction and building inspectors		100.000	64,284	1
036	Inspectors and compliance officers, except construction	161,277			
	056 Compliance officers, except agriculture, construction, health and safety, and transportation		21.849	35,237	
	090 Financial examiners		1.261	2,033	
	093 Tax examiners, collectors, and revenue agents		7.563	12,197	
	102 Computer software engineers		1.261	2,033	
	202 Miscellaneous community and social service specialists		0.420	678	
	354 Other healthcare practitioners and technical occupations		13.445	21,684	
	382 Detectives and criminal investigators		2.101	3,388	
	390 Animal control workers		0.420	678	
	391 Private detectives and investigators		10.084	16,263	
	601 Agricultural inspectors		24.370	39,303	
	604 Graders and sorters, agricultural products		0.840	1,355	
	666 Construction and building inspectors		9.664	15,586	
	874 Inspectors, testers, sorters, samplers, and weighers		3.361	5,421	
	941 Transportation inspectors		3.361	5,421	
037	Management related occupations, n.e.c.	368,073			
	060 Cost estimators		21.583	79,440	
	072 Meeting and convention planners		0.719	2,648	
	073 Other business operations specialists		45.324	166,824	
	500 First-line supervisors/managers of office and administrative support workers		6.475	23,832	
	570 Secretaries and administrative assistants		25.899	95,328	
043	Architects	156,874			
	130 Architects, except naval		100.000	156,874	1
044	Aerospace engineers	143,434			
	132 Aerospace engineers		100.000	143,434	1
045	Metallurgical and materials engineers	19,230			
	145 Materials engineers		99.057	19,049	2
	306 Physicians and surgeons		0.943	181	
046	Mining engineers	6,478			
	062 Human resources, training, and labor relations specialists		2.778	180	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	150 Mining and geological engineers, including mining safety engineers		97.222	6,298	2
047	Petroleum engineers	24,565			
	030 Engineering managers		0.990	243	
	143 Industrial engineers, including health and safety		0.990	243	
	152 Petroleum engineers		94.059	23,106	3
	193 Geological and petroleum technicians		3.960	973	
048	Chemical engineers	64,320			
	030 Engineering managers		1.460	939	
	135 Chemical engineers		95.620	61,503	2
	145 Materials engineers		2.920	1,878	
049	Nuclear engineers	10,801			
	142 Environmental engineers		1.802	195	
	151 Nuclear engineers		98.198	10,606	2
053	Civil engineers	252,808			
	030 Engineering managers		0.763	1,930	
	136 Civil engineers		96.183	243,159	2
	142 Environmental engineers		3.053	7,719	
054	Agricultural engineers	2,148			
	133 Agricultural engineers		100.000	2,148	1
055	Electrical and electronic engineers	467,023			
	030 Engineering managers		0.877	4,097	
	102 Computer software engineers		20.614	96,272	
	111 Network systems and data communications analysts		0.877	4,097	
	140 Computer hardware engineers		6.579	30,725	
	141 Electrical and electronic engineers		52.632	245,802	
	153 Engineers, all other		14.474	67,595	
	290 Broadcast and sound engineering technicians and radio operators		3.947	18,435	
056	Industrial engineers	176,333			
	043 Managers, all other		6.204	10,940	
	143 Industrial engineers, including health and safety		89.781	158,314	
	145 Materials engineers		2.920	5,148	
	354 Other healthcare practitioners and technical occupations		1.095	1,931	
057	Mechanical engineers	185,872			
	140 Computer hardware engineers		0.415	771	
	143 Industrial engineers, including health and safety		3.320	6,170	
	146 Mechanical engineers		96.266	178,931	2
058	Marine engineers and naval architects	13,269			
	144 Marine engineers and naval architects		89.011	11,811	
	933 Ship engineers		10.989	1,458	
059	Engineers, n.e.c.	341,963			
	030 Engineering managers		3.067	10,490	
	134 Biomedical engineers		1.840	6,294	
	142 Environmental engineers		11.656	39,861	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	143 Industrial engineers, including health and safety		4.908	16,783	
	146 Mechanical engineers		4.294	14,686	
	153 Engineers, all other		74.233	253,850	
063	Surveyors and mapping scientists	11,405			
	131 Surveyors, cartographers, and photogrammetrists		97.802	11,154	2
	155 Engineering technicians, except drafters		2.198	251	
064	Computer systems analysts and scientists	471,290			
	011 Computer and information systems managers		1.190	5,611	
	071 Management analysts		0.595	2,805	
	100 Computer scientists and systems analysts		45.536	214,605	
	101 Computer programmers		2.679	12,624	
	102 Computer software engineers		30.952	145,875	
	104 Computer support specialists		6.548	30,858	
	106 Database administrators		0.893	4,208	
	110 Network and computer systems administrators		3.571	16,832	
	111 Network systems and data communications analysts		5.357	25,248	
	140 Computer hardware engineers		2.679	12,624	
065	Operations and systems researchers and analysts	251,818			
	070 Logisticians		11.966	30,132	
	100 Computer scientists and systems analysts		40.171	101,158	
	122 Operations research analysts		47.863	120,528	
066	Actuaries	18,732			
	120 Actuaries		100.000	18,732	1
067	Statisticians	31,852			
	123 Statisticians		88.525	28,197	
	124 Miscellaneous mathematical science occupations		11.475	3,655	
068	Mathematical scientists, n.e.c.	5,815			
	121 Mathematicians		87.500	5,088	
	124 Miscellaneous mathematical science occupations		8.553	497	
	132 Aerospace engineers		3.289	191	
	153 Engineers, all other		0.658	38	
069	Physicists and astronomers	27,842			
	165 Medical scientists		1.575	438	
	170 Astronomers and physicists		98.425	27,404	2
073	Chemists, except biochemists	141,255			
	172 Chemists and materials scientists		100.000	141,255	1
074	Atmospheric and space scientists	8,354			
	171 Atmospheric and space scientists		100.000	8,354	1
075	Geologists and geodesists	53,129			
	142 Environmental engineers		0.581	309	
	174 Environmental scientists and geoscientists		99.419	52,820	2
076	Physical scientists, n.e.c.	18,782			
	164 Conservation scientists and foresters		1.481	278	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	172 Chemists and materials scientists		2.222	417	
	174 Environmental scientists and geoscientists		71.852	13,495	
	176 Physical scientists, all other		16.296	3,061	
	186 Miscellaneous social scientists and related workers		3.704	696	
	196 Other life, physical, and social science technicians		4.444	835	
077	Agricultural and food scientists	34,842			
	020 Farm, ranch, and other agricultural managers		2.703	942	
	160 Agricultural and food scientists		82.883	28,878	
	161 Biological scientists		9.910	3,453	
	602 Animal breeders		4.505	1,569	
078	Biological and life scientists	62,137			
	160 Agricultural and food scientists		0.606	377	
	161 Biological scientists		92.727	57,618	3
	165 Medical scientists		6.667	4,142	
079	Forestry and conservation scientists	34,815			
	131 Surveyors, cartographers, and photogrammetrists		0.840	293	
	161 Biological scientists		7.563	2,633	
	164 Conservation scientists and foresters		86.555	30,134	
	176 Physical scientists, all other		1.681	585	
	196 Other life, physical, and social science technicians		3.361	1,170	
083	Medical scientists	27,519			
	161 Biological scientists		5.422	1,492	
	165 Medical scientists		94.578	26,027	3
084	Physicians	586,715			
	306 Physicians and surgeons		97.345	571,138	2
	353 Miscellaneous health technologists and technicians		2.655	15,577	
085	Dentists	155,529			
	301 Dentists		100.000	155,529	1
086	Veterinarians	48,744			
	325 Veterinarians		100.000	48,744	1
087	Optometrists	27,515			
	304 Optometrists		100.000	27,515	1
088	Podiatrists	8,908			
	312 Podiatrists		100.000	8,908	1
089	Health diagnosing practitioners, n.e.c.	47,114			
	300 Chiropractors		91.971	43,331	3
	326 Health diagnosing and treating practitioners, all other		8.029	3,783	
095	Registered nurses	1,885,129			
	313 Registered nurses		97.959	1,846,657	2
	360 Nursing, psychiatric, and home health aides		2.041	38,472	
096	Pharmacists	181,798			
	305 Pharmacists		100.000	181,798	1
097	Dietitians	90,223			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	035 Medical and health services managers		0.730	659	
	303 Dietitians and nutritionists		96.350	86,930	2
	341 Health diagnosing and treating practitioner support technicians		2.920	2,634	
098	Respiratory therapists	65,589			
	035 Medical and health services managers		1.058	694	
	322 Respiratory therapists		98.942	64,895	2
099	Occupational therapists	37,895			
	035 Medical and health services managers		1.911	724	
	315 Occupational therapists		96.815	36,688	2
	324 Therapists, all other		1.274	483	
103	Physical therapists	92,022			
	316 Physical therapists		100.000	92,022	1
104	Speech therapists	64,713			
	314 Audiologists		22.460	14,534	
	323 Speech-language pathologists		77.540	50,179	
105	Therapists, n.e.c.	71,402			
	200 Counselors		7.843	5,600	
	316 Physical therapists		0.654	467	
	320 Radiation therapists		0.654	467	
	321 Recreational therapists		26.144	18,667	
	324 Therapists, all other		64.706	46,201	
106	Physicians' assistants	25,569			
	311 Physician assistants		35.417	9,056	
	340 Emergency medical technicians and paramedics		41.667	10,654	
	365 Medical assistants and other healthcare support occupations		22.917	5,860	
113	Earth, environmental, and marine science teachers	1,253			
	220 Postsecondary teachers		100.000	1,253	1
114	Biological science teachers	6,101			
	220 Postsecondary teachers		100.000	6,101	1
115	Chemistry teachers	5,446			
	220 Postsecondary teachers		100.000	5,446	1
116	Physics teachers	4,432			
	220 Postsecondary teachers		100.000	4,432	1
117	Natural science teachers, n.e.c.	389			
	220 Postsecondary teachers		100.000	389	1
118	Psychology teachers	4,518			
	220 Postsecondary teachers		100.000	4,518	1
119	Economics teachers	3,426			
	220 Postsecondary teachers		100.000	3,426	1
123	History teachers	4,121			
	220 Postsecondary teachers		100.000	4,121	1
124	Political science teachers	1,005			
	220 Postsecondary teachers		100.000	1,005	1

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
125	Sociology teachers	1,457			
	220 Postsecondary teachers		100.000	1,457	1
126	Social science teachers, n.e.c.	860			
	220 Postsecondary teachers		100.000	860	1
127	Engineering teachers	7,777			
	220 Postsecondary teachers		100.000	7,777	1
128	Mathematical science teachers	17,357			
	220 Postsecondary teachers		100.000	17,357	1
129	Computer science teachers	4,384			
	220 Postsecondary teachers		100.000	4,384	1
133	Medical science teachers	2,743			
	220 Postsecondary teachers		100.000	2,743	1
134	Health specialties teachers	15,711			
	220 Postsecondary teachers		97.409	15,304	2
	234 Other teachers and instructors		2.591	407	
135	Business, commerce, and marketing teachers	5,063			
	220 Postsecondary teachers		100.000	5,063	1
136	Agriculture and forestry teachers	1,061			
	220 Postsecondary teachers		100.000	1,061	1
137	Art, drama, and music teachers	21,393			
	220 Postsecondary teachers		100.000	21,393	1
138	Physical education teachers	4,115			
	220 Postsecondary teachers		93.258	3,838	3
	272 Athletes, coaches, umpires, and related workers		6.742	277	
139	Education teachers	1,455			
	220 Postsecondary teachers		100.000	1,455	1
143	English teachers	24,276			
	220 Postsecondary teachers		100.000	24,276	1
144	Foreign language teachers	10,025			
	220 Postsecondary teachers		100.000	10,025	1
145	Law teachers	4,555			
	220 Postsecondary teachers		100.000	4,555	1
146	Social work teachers	308			
	220 Postsecondary teachers		100.000	308	1
147	Theology teachers	2,616			
	220 Postsecondary teachers		100.000	2,616	1
148	Trade and industrial teachers	1,270			
	220 Postsecondary teachers		100.000	1,270	1
149	Home economics teachers	593			
	220 Postsecondary teachers		100.000	593	1
153	Teachers, postsecondary, n.e.c.	13,455			
	220 Postsecondary teachers		81.818	11,009	
	234 Other teachers and instructors		18.182	2,446	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
154	Postsecondary teachers, subject not specified	615,068			
	220 Postsecondary teachers		93.157	572,979	3
	234 Other teachers and instructors		6.843	42,089	
155	Teachers, prekindergarten and kindergarten	269,330			
	230 Preschool and kindergarten teachers		100.000	269,330	1
156	Teachers, elementary school	3,024,189			
	231 Elementary and middle school teachers		98.795	2,987,753	2
	233 Special education teachers		0.602	18,218	
	272 Athletes, coaches, umpires, and related workers		0.602	18,218	
157	Teachers, secondary school	624,400			
	231 Elementary and middle school teachers		17.182	107,285	
	232 Secondary school teachers		75.945	474,201	
	233 Special education teachers		0.344	2,146	
	234 Other teachers and instructors		5.498	34,331	
	254 Teacher assistants		0.344	2,146	
	272 Athletes, coaches, umpires, and related workers		0.687	4,291	
158	Teachers, special education	62,216			
	233 Special education teachers		82.692	51,448	
	234 Other teachers and instructors		17.308	10,768	
159	Teachers, n.e.c.	579,391			
	200 Counselors		1.463	8,474	
	202 Miscellaneous community and social service specialists		0.183	1,059	
	220 Postsecondary teachers		29.250	169,475	
	231 Elementary and middle school teachers		1.828	10,592	
	232 Secondary school teachers		3.473	20,125	
	234 Other teachers and instructors		40.768	236,205	
	255 Other education, training, and library workers		5.302	30,717	
	272 Athletes, coaches, umpires, and related workers		7.313	42,369	
	462 Recreation and fitness workers		10.420	60,375	
163	Counselors, educational and vocational	238,533			
	200 Counselors		100.000	238,533	1
164	Librarians	200,881			
	243 Librarians		100.000	200,881	1
165	Archivists and curators	27,575			
	240 Archivists, curators, and museum technicians		100.000	27,575	1
166	Economists	152,237			
	180 Economists		21.875	33,302	
	181 Market and survey researchers		78.125	118,935	
167	Psychologists	191,962			
	182 Psychologists		82.682	158,717	
	200 Counselors		16.201	31,100	
	201 Social workers		1.117	2,145	
168	Sociologists	2,211			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	183 Sociologists		100.000	2,211	1
169	Social scientists, n.e.c.	20,297			
	186 Miscellaneous social scientists and related workers		98.462	19,985	2
	196 Other life, physical, and social science technicians		1.538	312	
173	Urban planners	18,531			
	184 Urban and regional planners		100.000	18,531	1
174	Social workers	658,919			
	042 Social and community service managers		2.146	14,140	
	200 Counselors		22.318	147,055	
	201 Social workers		57.511	378,949	
	202 Miscellaneous community and social service specialists		18.026	118,775	
175	Recreation workers	50,779			
	200 Counselors		7.874	3,998	
	202 Miscellaneous community and social service specialists		1.575	800	
	462 Recreation and fitness workers		90.551	45,981	3
176	Clergy	324,889			
	204 Clergy		98.925	321,396	2
	205 Directors, religious activities and education		1.075	3,493	
177	Religious workers, n.e.c.	98,807			
	042 Social and community service managers		0.676	668	
	204 Clergy		18.243	18,026	
	205 Directors, religious activities and education		37.838	37,386	
	206 Religious workers, all other		43.243	42,727	
178	Lawyers	747,077			
	210 Lawyers		93.333	697,272	3
	211 Judges, magistrates, and other judicial workers		0.952	7,115	
	214 Paralegals and legal assistants		0.476	3,558	
	215 Miscellaneous legal support workers		5.238	39,133	
179	Judges	32,394			
	211 Judges, magistrates, and other judicial workers		100.000	32,394	1
183	Authors	106,730			
	284 Technical writers		6.316	6,741	
	285 Writers and authors		93.684	99,989	3
184	Technical writers	74,292			
	283 Editors		8.000	5,943	
	284 Technical writers		92.000	68,349	3
185	Designers	596,802			
	260 Artists and related workers		4.641	27,700	
	263 Designers		94.937	566,584	3
	775 Miscellaneous assemblers and fabricators		0.422	2,518	
186	Musicians and composers	148,020			
	275 Musicians, singers, and related workers		100.000	148,020	1
187	Actors and directors	109,573			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	006 Public relations managers		1.667	1,826	
	270 Actors		32.778	35,916	
	271 Producers and directors		61.111	66,961	
	276 Entertainers and performers, sports and related workers, all other		0.556	609	
	280 Announcers		3.333	3,652	
	283 Editors		0.556	609	
188	Painters, sculptors, craft-artists, and artist printmakers	212,762			
	260 Artists and related workers		78.341	166,680	
	263 Designers		20.737	44,121	
	881 Painting workers		0.922	1,961	
189	Photographers	143,520			
	260 Artists and related workers		1.667	2,392	
	291 Photographers		76.667	110,032	
	292 Television, video, and motion picture camera operators and editors		18.333	26,312	
	825 Prepress technicians and workers		3.333	4,784	
193	Dancers	21,913			
	274 Dancers and choreographers		99.351	21,771	2
	275 Musicians, singers, and related workers		0.649	142	
194	Artists, performers, and related workers, n.e.c.	93,421			
	220 Postsecondary teachers		3.614	3,377	
	234 Other teachers and instructors		5.422	5,065	
	260 Artists and related workers		10.241	9,567	
	271 Producers and directors		7.229	6,753	
	276 Entertainers and performers, sports and related workers, all other		17.470	16,321	
	280 Announcers		2.410	2,251	
	286 Miscellaneous media and communication workers		34.940	32,641	
	290 Broadcast and sound engineering technicians and radio operators		1.807	1,688	
	434 Animal trainers		15.060	14,069	
	465 Personal care and service workers, all other		1.807	1,688	
195	Editors and reporters	266,543			
	281 News analysts, reporters and correspondents		32.558	86,781	
	283 Editors		55.814	148,768	
	285 Writers and authors		9.767	26,034	
	292 Television, video, and motion picture camera operators and editors		1.395	3,719	
	583 Desktop publishers		0.465	1,240	
197	Public relations specialists	167,568			
	004 Advertising and promotions managers		2.778	4,655	
	006 Public relations managers		17.778	29,790	
	062 Human resources, training, and labor relations specialists		1.111	1,862	
	282 Public relations specialists		72.222	121,021	
	285 Writers and authors		4.444	7,447	
	351 Medical records and health information technicians		0.556	931	
	480 Advertising sales agents		1.111	1,862	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
198	Announcers	60,269			
	280 Announcers		100.000	60,269	1
199	Athletes	81,854			
	272 Athletes, coaches, umpires, and related workers		77.987	63,836	
	354 Other healthcare practitioners and technical occupations		13.208	10,811	
	435 Nonfarm animal caretakers		0.629	515	
	462 Recreation and fitness workers		3.145	2,574	
	752 Commercial divers		5.031	4,118	
203	Clinical laboratory technologists and technicians	329,892			
	330 Clinical laboratory technologists and technicians		77.778	256,583	
	332 Diagnostic related technologists and technicians		3.889	12,829	
	365 Medical assistants and other healthcare support occupations		18.333	60,480	
204	Dental hygienists	72,394			
	331 Dental hygienists		100.000	72,394	1
205	Health record technologists and technicians	55,764			
	351 Medical records and health information technicians		100.000	55,764	1
206	Radiologic technicians	130,383			
	320 Radiation therapists		3.627	4,729	
	332 Diagnostic related technologists and technicians		96.373	125,654	2
207	Licensed practical nurses	429,473			
	350 Licensed practical and licensed vocational nurses		100.000	429,473	1
208	Health technologists and technicians, n.e.c.	411,191			
	196 Other life, physical, and social science technicians		1.327	5,458	
	202 Miscellaneous community and social service specialists		0.442	1,819	
	220 Postsecondary teachers		0.885	3,639	
	311 Physician assistants		0.885	3,639	
	330 Clinical laboratory technologists and technicians		5.310	21,833	
	332 Diagnostic related technologists and technicians		6.637	27,291	
	340 Emergency medical technicians and paramedics		30.088	123,721	
	341 Health diagnosing and treating practitioner support technicians		19.027	78,235	
	353 Miscellaneous health technologists and technicians		5.752	23,653	
	354 Other healthcare practitioners and technical occupations		6.195	25,472	
	362 Physical therapist assistants and aides		1.327	5,458	
	365 Medical assistants and other healthcare support occupations		20.354	83,694	
	876 Medical, dental, and ophthalmic laboratory technicians		1.770	7,278	
213	Electrical and electronic technicians	401,463			
	100 Computer scientists and systems analysts		7.042	28,272	
	155 Engineering technicians, except drafters		89.437	359,055	
	286 Miscellaneous media and communication workers		1.408	5,654	
	743 Precision instrument and equipment repairers		2.113	8,482	
214	Industrial engineering technicians	15,324			
	155 Engineering technicians, except drafters		100.000	15,324	1
215	Mechanical engineering technicians	30,109			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	155 Engineering technicians, except drafters		100.000	30,109	1
216	Engineering technicians, n.e.c.	239,680			
	131 Surveyors, cartographers, and photogrammetrists		1.527	3,659	
	155 Engineering technicians, except drafters		76.336	182,962	
	196 Other life, physical, and social science technicians		11.450	27,444	
	284 Technical writers		0.763	1,830	
	290 Broadcast and sound engineering technicians and radio operators		8.397	20,126	
	292 Television, video, and motion picture camera operators and editors		1.527	3,659	
217	Drafting occupations	324,764			
	130 Architects, except naval		3.165	10,277	
	131 Surveyors, cartographers, and photogrammetrists		4.430	14,388	
	154 Drafters		88.608	287,766	
	156 Surveying and mapping technicians		0.633	2,055	
	260 Artists and related workers		3.165	10,277	
218	Surveying and mapping technicians	93,095			
	131 Surveyors, cartographers, and photogrammetrists		19.553	18,203	
	156 Surveying and mapping technicians		80.447	74,892	
223	Biological technicians	56,723			
	190 Agricultural and food science technicians		36.782	20,864	
	191 Biological technicians		28.736	16,300	
	192 Chemical technicians		12.644	7,172	
	196 Other life, physical, and social science technicians		11.494	6,520	
	341 Health diagnosing and treating practitioner support technicians		10.345	5,868	
224	Chemical technicians	76,639			
	155 Engineering technicians, except drafters		2.878	2,205	
	172 Chemists and materials scientists		4.317	3,308	
	190 Agricultural and food science technicians		2.878	2,205	
	192 Chemical technicians		85.612	65,612	
	193 Geological and petroleum technicians		4.317	3,308	
225	Science technicians, n.e.c.	75,626			
	155 Engineering technicians, except drafters		64.167	48,527	
	192 Chemical technicians		4.167	3,151	
	193 Geological and petroleum technicians		11.667	8,823	
	196 Other life, physical, and social science technicians		20.000	15,125	
226	Airplane pilots and navigators	109,826			
	903 Aircraft pilots and flight engineers		100.000	109,826	1
227	Air traffic controllers	47,163			
	904 Air traffic controllers and airfield operations specialists		100.000	47,163	1
228	Broadcast equipment operators	35,519			
	290 Broadcast and sound engineering technicians and radio operators		84.685	30,079	
	292 Television, video, and motion picture camera operators and editors		0.901	320	
	296 Media and communication equipment workers, all other		1.802	640	
	503 Communications equipment operators, all other		3.604	1,280	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	552 Dispatchers		9.009	3,200	
229	Computer programmers	662,759			
	101 Computer programmers		100.000	662,759	1
233	Tool programmers, numerical control	3,670			
	790 Computer control programmers and operators		100.000	3,670	1
234	Legal assistants	258,152			
	214 Paralegals and legal assistants		51.351	132,565	
	215 Miscellaneous legal support workers		47.297	122,099	
	593 Office and administrative support workers, all other		1.351	3,489	
235	Technicians, n.e.c.	527,799			
	155 Engineering technicians, except drafters		4.918	25,957	
	176 Physical scientists, all other		1.639	8,652	
	181 Market and survey researchers		1.639	8,652	
	184 Urban and regional planners		1.639	8,652	
	194 Nuclear technicians		6.557	34,610	
	196 Other life, physical, and social science technicians		52.459	276,878	
	244 Library Technicians		3.279	17,305	
	260 Artists and related workers		11.475	60,567	
	290 Broadcast and sound engineering technicians and radio operators		8.197	43,262	
	332 Diagnostic related technologists and technicians		3.279	17,305	
	875 Jewelers and precious stone and metal workers		4.918	25,957	
243	Supervisors and proprietors, sales occupations	3,451,461			
	012 Financial managers		1.142	39,400	
	041 Property, real estate, and community association managers		0.457	15,760	
	043 Managers, all other		3.425	118,201	
	052 Wholesale and retail buyers, except farm products		1.598	55,160	
	401 First-line supervisors/managers of food preparation and serving workers		0.228	7,880	
	470 First-line supervisors/managers of retail sales workers		56.393	1,946,372	
	471 First-line supervisors/managers of non-retail sales workers		13.470	464,923	
	476 Retail salespersons		5.251	181,241	
	482 Securities, commodities, and financial services sales agents		0.457	15,760	
	484 Sales representatives, services, all other		0.228	7,880	
	485 Sales representatives, wholesale and manufacturing		3.425	118,201	
	495 Door-to-door sales workers, news and street vendors, and related workers		0.457	15,760	
	496 Sales and related workers, all other		0.913	31,520	
	500 First-line supervisors/managers of office and administrative support workers		6.621	228,521	
	770 First-line supervisors/managers of production and operating workers		3.196	110,321	
	780 Bakers		0.228	7,880	
	900 Supervisors, transportation and material moving workers		2.055	70,920	
	913 Driver/sales workers and truck drivers		0.457	15,760	
253	Insurance sales occupations	666,542			
	054 Claims adjusters, appraisers, examiners, and investigators		13.274	88,479	
	085 Personal financial advisors		3.982	26,544	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	086 Insurance underwriters		1.770	11,797	
	220 Postsecondary teachers		1.327	8,848	
	481 Insurance sales agents		76.991	513,178	
	494 Telemarketers		0.885	5,899	
	496 Sales and related workers, all other		0.885	5,899	
	510 Bill and account collectors		0.885	5,899	
254	Real estate sales occupations	801,238			
	081 Appraisers and assessors of real estate		10.573	84,712	
	085 Personal financial advisors		0.881	7,059	
	492 Real estate brokers and sales agents		85.903	688,288	
	496 Sales and related workers, all other		2.643	21,178	
255	Securities and financial services sales occupations	297,548			
	084 Financial analysts		2.516	7,485	
	085 Personal financial advisors		18.868	56,141	
	482 Securities, commodities, and financial services sales agents		75.472	224,565	
	496 Sales and related workers, all other		3.145	9,357	
256	Advertising and related sales occupations	174,065			
	053 Purchasing agents, except wholesale, retail, and farm products		1.613	2,808	
	480 Advertising sales agents		96.237	167,514	2
	496 Sales and related workers, all other		2.151	3,743	
257	Sales occupations, other business services	549,247			
	476 Retail salespersons		1.402	7,700	
	484 Sales representatives, services, all other		74.766	410,652	
	485 Sales representatives, wholesale and manufacturing		11.682	64,164	
	494 Telemarketers		9.813	53,898	
	524 Customer service representatives		2.336	12,833	
258	Sales engineers	43,616			
	493 Sales engineers		100.000	43,616	1
259	Sales representatives, mining, manufacturing, and wholesale	1,527,816			
	073 Other business operations specialists		1.581	24,155	
	475 Parts salespersons		5.138	78,504	
	484 Sales representatives, services, all other		2.372	36,233	
	485 Sales representatives, wholesale and manufacturing		76.680	1,171,527	
	496 Sales and related workers, all other		13.834	211,358	
	913 Driver/sales workers and truck drivers		0.395	6,039	
263	Sales workers, motor vehicles and boats	352,279			
	470 First-line supervisors/managers of retail sales workers		2.286	8,052	
	474 Counter and rental clerks		0.571	2,013	
	476 Retail salespersons		95.429	336,175	2
	485 Sales representatives, wholesale and manufacturing		1.714	6,039	
264	Sales workers, apparel	444,577			
	476 Retail salespersons		100.000	444,577	1
265	Sales workers, shoes	117,767			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	476 Retail salespersons		100.000	117,767	1
266	Sales workers, furniture and home furnishings	187,120			
	476 Retail salespersons		99.390	185,979	2
	484 Sales representatives, services, all other		0.610	1,141	
267	Sales workers; radio, TV, hi-fi, and appliances	170,872			
	476 Retail salespersons		100.000	170,872	1
268	Sales workers, hardware and building supplies	175,187			
	476 Retail salespersons		100.000	175,187	1
269	Sales workers, parts	132,093			
	475 Parts salespersons		100.000	132,093	1
274	Sales workers, other commodities	1,857,857			
	353 Miscellaneous health technologists and technicians		0.241	4,477	
	406 Counter attendants, cafeteria, food concession, and coffee shop		3.614	67,151	
	472 Cashiers		0.482	8,954	
	474 Counter and rental clerks		2.410	44,768	
	475 Parts salespersons		1.205	22,384	
	476 Retail salespersons		78.554	1,459,425	
	482 Securities, commodities, and financial services sales agents		0.723	13,430	
	484 Sales representatives, services, all other		1.205	22,384	
	485 Sales representatives, wholesale and manufacturing		3.133	58,198	
	494 Telemarketers		5.301	98,489	
	495 Door-to-door sales workers, news and street vendors, and related workers		0.482	8,954	
	496 Sales and related workers, all other		2.651	49,244	
275	Sales counter clerks	210,073			
	470 First-line supervisors/managers of retail sales workers		0.667	1,400	
	474 Counter and rental clerks		82.667	173,660	
	476 Retail salespersons		8.667	18,206	
	770 First-line supervisors/managers of production and operating workers		8.000	16,806	
276	Cashiers	2,855,680			
	365 Medical assistants and other healthcare support occupations		3.383	96,621	
	472 Cashiers		75.940	2,168,599	
	476 Retail salespersons		20.301	579,725	
	513 Gaming cage workers		0.376	10,736	
277	Street and door-to-door sales workers	230,927			
	412 Food servers, nonrestaurant		1.053	2,431	
	490 Models, demonstrators, and product promoters		3.158	7,292	
	494 Telemarketers		37.895	87,509	
	495 Door-to-door sales workers, news and street vendors, and related workers		38.947	89,940	
	496 Sales and related workers, all other		18.947	43,755	
278	News vendors	113,849			
	495 Door-to-door sales workers, news and street vendors, and related workers		83.523	95,090	
	913 Driver/sales workers and truck drivers		16.477	18,759	
283	Demonstrators, promoters and models, sales	45,265			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	490 Models, demonstrators, and product promoters		98.621	44,641	2
	496 Sales and related workers, all other		1.379	624	
284	Auctioneers	8,372			
	496 Sales and related workers, all other		100.000	8,372	1
285	Sales support occupations, n.e.c.	19,318			
	260 Artists and related workers		6.897	1,332	
	496 Sales and related workers, all other		89.655	17,320	
	875 Jewelers and precious stone and metal workers		3.448	666	
303	Supervisors, general office	579,625			
	500 First-line supervisors/managers of office and administrative support workers		94.690	548,848	3
	570 Secretaries and administrative assistants		5.310	30,777	
304	Supervisors, computer equipment operators	34,548			
	500 First-line supervisors/managers of office and administrative support workers		100.000	34,548	1
305	Supervisors, financial records processing	110,386			
	500 First-line supervisors/managers of office and administrative support workers		100.000	110,386	1
306	Chief communications operators	4,373			
	500 First-line supervisors/managers of office and administrative support workers		100.000	4,373	1
307	Supervisors; distribution, scheduling, and adjusting clerks	195,394			
	500 First-line supervisors/managers of office and administrative support workers		96.154	187,879	2
	770 First-line supervisors/managers of production and operating workers		3.846	7,515	
308	Computer operators	660,318			
	580 Computer operators		100.000	660,318	1
309	Peripheral equipment operators	6,895			
	580 Computer operators		92.958	6,409	3
	590 Office machine operators, except computer		7.042	486	
313	Secretaries	4,018,671			
	500 First-line supervisors/managers of office and administrative support workers		1.439	57,823	
	570 Secretaries and administrative assistants		98.561	3,960,848	2
314	Stenographers	79,880			
	215 Miscellaneous legal support workers		68.786	54,946	
	365 Medical assistants and other healthcare support occupations		16.763	13,390	
	593 Office and administrative support workers, all other		14.451	11,543	
315	Typists	662,775			
	582 Word processors and typists		99.315	658,235	2
	583 Desktop publishers		0.685	4,540	
316	Interviewers	205,958			
	523 Credit authorizers, checkers, and clerks		7.345	15,127	
	531 Interviewers, except eligibility and loan		87.006	179,195	
	534 New accounts clerks		5.650	11,636	
317	Hotel clerks	96,390			
	530 Hotel, motel, and resort desk clerks		83.030	80,033	
	541 Reservation and transportation ticket agents and travel clerks		16.970	16,357	
318	Transportation ticket and reservation agents	269,951			

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	472 Cashiers		1.835	4,953	
	483 Travel agents		45.413	122,592	
	484 Sales representatives, services, all other		1.835	4,953	
	494 Telemarketers		0.917	2,477	
	541 Reservation and transportation ticket agents and travel clerks		49.541	133,737	
	593 Office and administrative support workers, all other		0.459	1,238	
319	Receptionists	822,093			
	531 Interviewers, except eligibility and loan		4.324	35,550	
	540 Receptionists and information clerks		95.676	786,543	2
323	Information clerks, n.e.c.	184,254			
	072 Meeting and convention planners		1.504	2,771	
	104 Computer support specialists		0.752	1,385	
	524 Customer service representatives		5.263	9,698	
	533 Loan interviewers and clerks		1.504	2,771	
	540 Receptionists and information clerks		90.226	166,244	3
	563 Weighers, measurers, checkers, and samplers, recordkeeping		0.752	1,385	
325	Classified-ad clerks	5,282			
	535 Order clerks		100.000	5,282	1
326	Correspondence clerks	12,521			
	521 Correspondence clerks		100.000	12,521	1
327	Order clerks	229,122			
	524 Customer service representatives		42.857	98,195	
	535 Order clerks		50.857	116,525	
	562 Stock clerks and order fillers		6.286	14,402	
328	Personnel clerks, except payroll and timekeeping	80,893			
	536 Human resources assistants, except payroll and timekeeping		70.588	57,101	
	584 Insurance claims and policy processing clerks		29.412	23,792	
329	Library clerks	150,475			
	244 Library Technicians		27.059	40,717	
	532 Library assistants, clerical		72.941	109,758	
335	File clerks	267,946			
	526 File Clerks		100.000	267,946	1
336	Records clerks	137,972			
	054 Claims adjusters, appraisers, examiners, and investigators		0.671	926	
	086 Insurance underwriters		3.356	4,630	
	511 Billing and posting clerks and machine operators		5.369	7,408	
	520 Brokerage clerks		4.698	6,482	
	524 Customer service representatives		6.040	8,334	
	526 File Clerks		42.282	58,337	
	536 Human resources assistants, except payroll and timekeeping		1.342	1,852	
	542 Information and record clerks, all other		21.477	29,632	
	562 Stock clerks and order fillers		0.671	926	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		0.671	926	

**Table 2. 1990 Census Occupation Classification System and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	570 Secretaries and administrative assistants		0.671	926	
	584 Insurance claims and policy processing clerks		6.711	9,260	
	591 Proofreaders and copy markers		0.671	926	
	593 Office and administrative support workers, all other		5.369	7,408	
337	Bookkeepers, accounting, and auditing clerks	1,921,952			
	510 Bill and account collectors		2.500	48,049	
	511 Billing and posting clerks and machine operators		3.750	72,073	
	512 Bookkeeping, accounting, and auditing clerks		92.917	1,785,814	3
	526 File Clerks		0.833	16,016	
338	Payroll and timekeeping clerks	179,480			
	514 Payroll and timekeeping clerks		100.000	179,480	1
339	Billing clerks	168,476			
	511 Billing and posting clerks and machine operators		100.000	168,476	1
343	Cost and rate clerks	78,267			
	511 Billing and posting clerks and machine operators		100.000	78,267	1
344	Billing, posting, and calculating machine operators	53,354			
	511 Billing and posting clerks and machine operators		55.714	29,726	
	590 Office machine operators, except computer		44.286	23,628	
345	Duplicating machine operators	27,866			
	590 Office machine operators, except computer		100.000	27,866	1
346	Mail preparing and paper handling machine operators	6,196			
	585 Mail clerks and mail machine operators, except postal service		100.000	6,196	1
347	Office machine operators, n.e.c.	34,726			
	590 Office machine operators, except computer		100.000	34,726	1
348	Telephone operators	233,257			
	501 Switchboard operators, including answering service		40.782	95,127	
	502 Telephone operators		59.218	138,130	
353	Communications equipment operators, n.e.c.	10,858			
	501 Switchboard operators, including answering service		43.750	4,750	
	502 Telephone operators		11.458	1,244	
	503 Communications equipment operators, all other		28.125	3,054	
	590 Office machine operators, except computer		4.167	452	
	920 Locomotive engineers and operators		12.500	1,357	
354	Postal clerks, exc. mail carriers	350,565			
	554 Postal service clerks		54.054	189,495	
	555 Postal service mail carriers		0.541	1,895	
	556 Postal service mail sorters, processors, and processing machine operators		42.162	147,806	
	590 Office machine operators, except computer		3.243	11,370	
355	Mail carriers, postal service	328,241			
	555 Postal service mail carriers		100.000	328,241	1
356	Mail clerks, exc. postal service	211,709			
	551 Couriers and messengers		4.403	9,321	
	585 Mail clerks and mail machine operators, except postal service		95.597	202,388	2

**Table 2. 1990 Census Occupation Classification System and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
357	Messengers	142,762			
	496 Sales and related workers, all other		1.299	1,854	
	551 Couriers and messengers		98.052	139,981	2
	585 Mail clerks and mail machine operators, except postal service		0.649	927	
359	Dispatchers	204,947			
	552 Dispatchers		99.187	203,281	2
	770 First-line supervisors/managers of production and operating workers		0.813	1,666	
363	Production coordinators	252,659			
	552 Dispatchers		2.857	7,219	
	560 Production, planning, and expediting clerks		97.143	245,440	2
364	Traffic, shipping, and receiving clerks	648,602			
	524 Customer service representatives		7.111	46,123	
	541 Reservation and transportation ticket agents and travel clerks		0.444	2,883	
	550 Cargo and freight agents		5.333	34,592	
	561 Shipping, receiving, and traffic clerks		87.111	565,004	
365	Stock and inventory clerks	711,772			
	403 Food preparation workers		0.985	7,013	
	500 First-line supervisors/managers of office and administrative support workers		2.463	17,531	
	515 Procurement clerks		5.419	38,569	
	535 Order clerks		1.478	10,519	
	562 Stock clerks and order fillers		87.192	620,609	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		2.463	17,531	
366	Meter readers	49,536			
	553 Meter readers, utilities		100.000	49,536	1
368	Weighers, measurers, checkers and samplers	80,746			
	535 Order clerks		7.692	6,211	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		85.470	69,014	
	874 Inspectors, testers, sorters, samplers, and weighers		3.419	2,761	
	896 Production workers, all other		3.419	2,761	
373	Expeditors	238,789			
	524 Customer service representatives		55.844	133,350	
	560 Production, planning, and expediting clerks		44.156	105,439	
374	Material recording, scheduling, and distributing clerks, n.e.c.	33,855			
	524 Customer service representatives		2.899	981	
	535 Order clerks		1.449	491	
	552 Dispatchers		1.449	491	
	560 Production, planning, and expediting clerks		21.739	7,360	
	562 Stock clerks and order fillers		63.768	21,589	
	593 Office and administrative support workers, all other		8.696	2,944	
375	Insurance adjusters, examiners, and investigators	344,639			
	054 Claims adjusters, appraisers, examiners, and investigators		75.978	261,849	
	584 Insurance claims and policy processing clerks		24.022	82,790	
376	Investigators and adjusters, except insurance	581,830			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	054 Claims adjusters, appraisers, examiners, and investigators		1.970	11,465	
	062 Human resources, training, and labor relations specialists		1.478	8,598	
	091 Loan counselors and officers		0.985	5,732	
	391 Private detectives and investigators		0.493	2,866	
	523 Credit authorizers, checkers, and clerks		7.389	42,992	
	524 Customer service representatives		74.384	432,790	
	525 Eligibility interviewers, government programs		0.493	2,866	
	533 Loan interviewers and clerks		8.867	51,591	
	542 Information and record clerks, all other		0.493	2,866	
	586 Office clerks, general		0.985	5,732	
	593 Office and administrative support workers, all other		2.463	14,331	
377	Eligibility clerks, social welfare	49,506			
	202 Miscellaneous community and social service specialists		1.250	619	
	511 Billing and posting clerks and machine operators		1.250	619	
	525 Eligibility interviewers, government programs		68.750	34,035	
	584 Insurance claims and policy processing clerks		28.750	14,233	
378	Bill and account collectors	163,112			
	484 Sales representatives, services, all other		0.658	1,073	
	510 Bill and account collectors		99.342	162,039	2
379	General office clerks	1,491,116			
	254 Teacher assistants		0.664	9,908	
	500 First-line supervisors/managers of office and administrative support workers		1.661	24,769	
	540 Receptionists and information clerks		2.990	44,585	
	561 Shipping, receiving, and traffic clerks		0.332	4,954	
	586 Office clerks, general		90.033	1,342,500	3
	593 Office and administrative support workers, all other		4.319	64,400	
383	Bank tellers	509,023			
	472 Cashiers		2.367	12,048	
	516 Tellers		97.633	496,975	2
384	Proofreaders	30,326			
	591 Proofreaders and copy markers		100.000	30,326	1
385	Data-entry keyers	639,265			
	503 Communications equipment operators, all other		1.070	6,837	
	581 Data entry keyers		98.930	632,428	2
386	Statistical clerks	148,578			
	351 Medical records and health information technicians		55.556	82,543	
	512 Bookkeeping, accounting, and auditing clerks		6.481	9,630	
	592 Statistical assistants		37.963	56,405	
387	Teachers' aides	275,543			
	254 Teacher assistants		100.000	275,543	1
389	Administrative support occupations, n.e.c.	688,288			
	286 Miscellaneous media and communication workers		0.461	3,172	
	365 Medical assistants and other healthcare support occupations		3.687	25,375	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	522 Court, municipal, and license clerks		13.825	95,155	
	523 Credit authorizers, checkers, and clerks		0.922	6,344	
	524 Customer service representatives		0.461	3,172	
	533 Loan interviewers and clerks		3.226	22,203	
	541 Reservation and transportation ticket agents and travel clerks		1.843	12,687	
	586 Office clerks, general		14.286	98,327	
	593 Office and administrative support workers, all other		52.535	361,589	
	896 Production workers, all other		4.147	28,547	
	964 Packers and packagers, hand		4.608	31,718	
403	Launderers and ironers	1,687			
	830 Laundry and dry-cleaning workers		16.901	285	
	831 Pressers, textile, garment, and related materials		83.099	1,402	
404	Cooks, private household	9,212			
	402 Cooks		100.000	9,212	1
405	Housekeepers and butlers	34,416			
	401 First-line supervisors/managers of food preparation and serving workers		1.031	355	
	420 First-line supervisors/managers of housekeeping and janitorial workers		1.031	355	
	423 Maids and housekeeping cleaners		68.041	23,417	
	432 First-line supervisors/managers of personal service workers		1.031	355	
	465 Personal care and service workers, all other		28.866	9,935	
406	Child care workers, private household	164,252			
	460 Child care workers		100.000	164,252	1
407	Private household cleaners and servants	354,351			
	402 Cooks		1.967	6,971	
	422 Janitors and building cleaners		4.262	15,103	
	423 Maids and housekeeping cleaners		82.623	292,775	
	461 Personal and home care aides		10.164	36,016	
	465 Personal care and service workers, all other		0.656	2,324	
	551 Couriers and messengers		0.328	1,162	
413	Supervisors, firefighting and fire prevention occupations	29,298			
	372 First-line supervisors/managers of fire fighting and prevention workers		82.692	24,227	
	374 Fire fighters		2.885	845	
	375 Fire inspectors		14.423	4,226	
414	Supervisors, police and detectives	61,222			
	370 First-line supervisors/managers of correctional officers		10.303	6,308	
	371 First-line supervisors/managers of police and detectives		80.000	48,978	
	385 Police and sheriff's patrol officers		9.697	5,937	
415	Supervisors, guards	44,686			
	370 First-line supervisors/managers of correctional officers		0.671	300	
	371 First-line supervisors/managers of police and detectives		0.671	300	
	373 Supervisors, protective service workers, all other		83.893	37,488	
	380 Bailiffs, correctional officers, and jailers		2.013	900	
	392 Security guards and gaming surveillance officers		12.752	5,698	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
416	Fire inspection and fire prevention occupations	16,725			
	374 Fire fighters		7.752	1,297	
	375 Fire inspectors		75.194	12,576	
	392 Security guards and gaming surveillance officers		17.054	2,852	
417	Firefighting occupations	224,761			
	372 First-line supervisors/managers of fire fighting and prevention workers		2.222	4,995	
	374 Fire fighters		95.556	214,772	3
	375 Fire inspectors		2.222	4,995	
418	Police and detectives, public service	519,184			
	093 Tax examiners, collectors, and revenue agents		0.526	2,733	
	382 Detectives and criminal investigators		22.105	114,767	
	385 Police and sheriff's patrol officers		75.789	393,487	
	386 Transit and railroad police		1.579	8,198	
423	Sheriffs, bailiffs, and other law enforcement officers	118,432			
	371 First-line supervisors/managers of police and detectives		1.266	1,499	
	380 Bailiffs, correctional officers, and jailers		37.342	44,225	
	382 Detectives and criminal investigators		1.899	2,249	
	383 Fish and game wardens		7.595	8,995	
	384 Parking enforcement workers		8.228	9,744	
	385 Police and sheriff's patrol officers		36.709	43,475	
	392 Security guards and gaming surveillance officers		5.063	5,997	
	395 Lifeguards and other protective service workers		1.899	2,249	
424	Correctional institution officers	184,667			
	380 Bailiffs, correctional officers, and jailers		100.000	184,667	1
425	Crossing guards	45,313			
	392 Security guards and gaming surveillance officers		2.116	959	
	394 Crossing guards		97.884	44,354	2
426	Guards and police, exc. public service	785,511			
	385 Police and sheriff's patrol officers		4.418	34,701	
	386 Transit and railroad police		0.803	6,309	
	391 Private detectives and investigators		6.024	47,320	
	392 Security guards and gaming surveillance officers		85.542	671,943	
	395 Lifeguards and other protective service workers		1.606	12,619	
	443 Miscellaneous entertainment attendants and related workers		1.606	12,619	
427	Protective service occupations, n.e.c.	54,976			
	383 Fish and game wardens		1.538	846	
	390 Animal control workers		12.821	7,048	
	392 Security guards and gaming surveillance officers		0.513	282	
	395 Lifeguards and other protective service workers		82.564	45,390	
	460 Child care workers		2.564	1,410	
433	Supervisors, food preparation and service occupations	276,420			
	400 Chefs and head cooks		12.921	35,717	
	401 First-line supervisors/managers of food preparation and serving workers		59.551	164,610	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	411 Waiters and waitresses		3.933	10,870	
	415 Hosts and hostesses, restaurant, lounge, and coffee shop		21.910	60,564	
	500 First-line supervisors/managers of office and administrative support workers		1.124	3,106	
	780 Bakers		0.562	1,553	
434	Bartenders	330,710			
	404 Bartenders		100.000	330,710	1
435	Waiters and waitresses	1,488,253			
	405 Combined food preparation and serving workers, including fast food		0.476	7,087	
	411 Waiters and waitresses		99.524	1,481,166	2
436	Cooks	2,073,260			
	400 Chefs and head cooks		8.779	182,004	
	402 Cooks		72.137	1,495,596	
	403 Food preparation workers		12.214	253,223	
	405 Combined food preparation and serving workers, including fast food		4.198	87,045	
	780 Bakers		2.672	55,392	
438	Food counter, fountain and related occupations	236,480			
	403 Food preparation workers		2.890	6,835	
	405 Combined food preparation and serving workers, including fast food		10.405	24,605	
	406 Counter attendants, cafeteria, food concession, and coffee shop		61.850	146,262	
	411 Waiters and waitresses		12.717	30,073	
	412 Food servers, nonrestaurant		10.405	24,605	
	413 Dining room and cafeteria attendants and bartender helpers		1.734	4,101	
439	Kitchen workers, food preparation	211,500			
	403 Food preparation workers		52.525	111,091	
	405 Combined food preparation and serving workers, including fast food		45.960	97,205	
	781 Butchers and other meat, poultry, and fish processing workers		1.515	3,205	
443	Waiters/waitresses' assistants	378,558			
	406 Counter attendants, cafeteria, food concession, and coffee shop		12.429	47,052	
	411 Waiters and waitresses		18.079	68,440	
	412 Food servers, nonrestaurant		9.605	36,359	
	413 Dining room and cafeteria attendants and bartender helpers		59.887	226,707	
444	Miscellaneous food preparation occupations	743,777			
	402 Cooks		11.795	87,728	
	403 Food preparation workers		27.179	202,155	
	405 Combined food preparation and serving workers, including fast food		1.538	11,443	
	412 Food servers, nonrestaurant		3.077	22,885	
	413 Dining room and cafeteria attendants and bartender helpers		11.795	87,728	
	414 Dishwashers		36.410	270,811	
	415 Hosts and hostesses, restaurant, lounge, and coffee shop		1.026	7,628	
	416 Food preparation and serving related workers, all other		7.179	53,399	
445	Dental assistants	179,287			
	364 Dental assistants		100.000	179,287	1
446	Health aides, except nursing	222,977			

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	200 Counselors		6.000	13,379	
	313 Registered nurses		0.400	892	
	315 Occupational therapists		0.800	1,784	
	316 Physical therapists		4.800	10,703	
	330 Clinical laboratory technologists and technicians		9.200	20,514	
	341 Health diagnosing and treating practitioner support technicians		1.200	2,676	
	360 Nursing, psychiatric, and home health aides		4.800	10,703	
	361 Occupational therapist assistants and aides		1.600	3,568	
	362 Physical therapist assistants and aides		8.000	17,838	
	365 Medical assistants and other healthcare support occupations		53.200	118,624	
	412 Food servers, nonrestaurant		9.200	20,514	
	911 Ambulance drivers and attendants, except emergency medical technicians		0.800	1,784	
447	Nursing aides, orderlies, and attendants	1,859,694			
	313 Registered nurses		1.639	30,487	
	341 Health diagnosing and treating practitioner support technicians		1.311	24,389	
	350 Licensed practical and licensed vocational nurses		8.852	164,629	
	360 Nursing, psychiatric, and home health aides		70.820	1,317,029	
	361 Occupational therapist assistants and aides		0.328	6,097	
	365 Medical assistants and other healthcare support occupations		3.934	73,168	
	460 Child care workers		2.623	48,779	
	461 Personal and home care aides		10.492	195,115	
448	Supervisors, cleaning and building service workers	167,475			
	420 First-line supervisors/managers of housekeeping and janitorial workers		96.063	160,881	2
	422 Janitors and building cleaners		3.150	5,275	
	975 Material moving workers, all other		0.787	1,319	
449	Maids and housemen	712,789			
	422 Janitors and building cleaners		13.744	97,966	
	423 Maids and housekeeping cleaners		84.360	601,310	
	453 Baggage porters, bellhops, and concierges		1.896	13,513	
453	Janitors and cleaners	2,481,545			
	420 First-line supervisors/managers of housekeeping and janitorial workers		4.298	106,657	
	422 Janitors and building cleaners		64.470	1,599,850	
	423 Maids and housekeeping cleaners		23.209	575,946	
	453 Baggage porters, bellhops, and concierges		0.287	7,110	
	733 Industrial and refractory machinery mechanics		0.573	14,221	
	961 Cleaners of vehicles and equipment		3.725	92,436	
	962 Laborers and freight, stock, and material movers, hand		3.438	85,325	
454	Elevator operators	11,411			
	975 Material moving workers, all other		100.000	11,411	1
455	Pest control occupations	50,481			
	424 Pest control workers		100.000	50,481	1
456	Supervisors, personal service occupations	62,932			
	401 First-line supervisors/managers of food preparation and serving workers		2.542	1,600	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	430 First-line supervisors/managers of gaming workers		9.322	5,867	
	432 First-line supervisors/managers of personal service workers		40.678	25,599	
	442 Ushers, lobby attendants, and ticket takers		1.695	1,067	
	443 Miscellaneous entertainment attendants and related workers		5.932	3,733	
	453 Baggage porters, bellhops, and concierges		7.627	4,800	
	460 Child care workers		27.966	17,600	
	471 First-line supervisors/managers of non-retail sales workers		1.695	1,067	
	975 Material moving workers, all other		2.542	1,600	
457	Barbers	84,626			
	220 Postsecondary teachers		0.515	436	
	450 Barbers		96.392	81,572	2
	451 Hairdressers, hairstylists, and cosmetologists		3.093	2,617	
458	Hairdressers and cosmetologists	733,576			
	220 Postsecondary teachers		1.932	14,175	
	451 Hairdressers, hairstylists, and cosmetologists		89.855	659,155	
	452 Miscellaneous personal appearance workers		8.213	60,245	
459	Attendants, amusement and recreation facilities	137,153			
	392 Security guards and gaming surveillance officers		1.899	2,604	
	430 First-line supervisors/managers of gaming workers		1.899	2,604	
	440 Gaming services workers		32.911	45,139	
	442 Ushers, lobby attendants, and ticket takers		3.797	5,208	
	443 Miscellaneous entertainment attendants and related workers		52.532	72,049	
	460 Child care workers		1.266	1,736	
	462 Recreation and fitness workers		3.797	5,208	
	474 Counter and rental clerks		1.899	2,604	
461	Guides	41,286			
	360 Nursing, psychiatric, and home health aides		12.295	5,076	
	454 Tour and travel guides		87.705	36,210	
462	Ushers	29,611			
	406 Counter attendants, cafeteria, food concession, and coffee shop		1.333	395	
	442 Ushers, lobby attendants, and ticket takers		98.667	29,216	2
463	Public transportation attendants	105,949			
	455 Transportation attendants		100.000	105,949	1
464	Baggage porters and bellhops	38,763			
	412 Food servers, nonrestaurant		17.829	6,911	
	453 Baggage porters, bellhops, and concierges		79.070	30,650	
	455 Transportation attendants		3.101	1,202	
465	Welfare service aides	48,190			
	202 Miscellaneous community and social service specialists		59.524	28,685	
	460 Child care workers		1.190	574	
	461 Personal and home care aides		39.286	18,932	
466	Family child care providers	434,643			
	460 Child care workers		100.000	434,643	1

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1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
467	Early childhood teacher's assistants		338,928			
	254	Teacher assistants		18.966	64,279	
	460	Child care workers		81.034	274,649	
468	Child care workers, n.e.c.		211,351			
	254	Teacher assistants		7.634	16,134	
	460	Child care workers		80.916	171,017	
	464	Residential advisors		11.450	24,200	
469	Personal service occupations, n.e.c.		227,239			
	034	Lodging managers		0.532	1,209	
	280	Announcers		1.064	2,417	
	363	Massage therapists		13.830	31,427	
	365	Medical assistants and other healthcare support occupations		1.064	2,417	
	401	First-line supervisors/managers of food preparation and serving workers		1.064	2,417	
	415	Hosts and hostesses, restaurant, lounge, and coffee shop		25.000	56,810	
	420	First-line supervisors/managers of housekeeping and janitorial workers		0.532	1,209	
	422	Janitors and building cleaners		0.532	1,209	
	423	Maids and housekeeping cleaners		19.149	43,514	
	442	Ushers, lobby attendants, and ticket takers		9.574	21,757	
	443	Miscellaneous entertainment attendants and related workers		6.383	14,505	
	446	Funeral service workers		4.255	9,670	
	453	Baggage porters, bellhops, and concierges		2.660	6,044	
	454	Tour and travel guides		0.532	1,209	
	462	Recreation and fitness workers		1.064	2,417	
	464	Residential advisors		5.319	12,087	
	465	Personal care and service workers, all other		5.851	13,296	
	470	First-line supervisors/managers of retail sales workers		0.532	1,209	
	490	Models, demonstrators, and product promoters		1.064	2,417	
473	Farmers, except horticultural		795,187			
	021	Farmers and ranchers		70.792	562,929	
	425	Grounds maintenance workers		0.990	7,873	
	605	Miscellaneous agricultural workers		28.218	224,384	
474	Horticultural specialty farmers		34,732			
	021	Farmers and ranchers		18.125	6,295	
	421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		5.000	1,737	
	425	Grounds maintenance workers		75.625	26,266	
	605	Miscellaneous agricultural workers		1.250	434	
475	Managers, farms, except horticultural		238,884			
	020	Farm, ranch, and other agricultural managers		70.000	167,219	
	600	First-line supervisors/managers of farming, fishing, and forestry workers		7.778	18,580	
	602	Animal breeders		5.556	13,271	
	605	Miscellaneous agricultural workers		16.667	39,814	
476	Managers, horticultural specialty farms		18,562			
	020	Farm, ranch, and other agricultural managers		55.435	10,290	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	263 Designers		4.348	807	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		40.217	7,465	
477	Supervisors, farm workers	43,435			
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		2.632	1,143	
	600 First-line supervisors/managers of farming, fishing, and forestry workers		97.368	42,292	2
479	Farm workers	759,669			
	020 Farm, ranch, and other agricultural managers		4.870	36,997	
	425 Grounds maintenance workers		1.623	12,332	
	434 Animal trainers		3.247	24,665	
	435 Nonfarm animal caretakers		1.948	14,799	
	605 Miscellaneous agricultural workers		87.662	665,944	
	612 Forest and conservation workers		0.325	2,466	
	854 Woodworking machine setters, operators, and tenders, except sawing		0.325	2,466	
483	Marine life cultivation workers	1,233			
	605 Miscellaneous agricultural workers		100.000	1,233	1
484	Nursery workers	37,736			
	425 Grounds maintenance workers		6.936	2,618	
	605 Miscellaneous agricultural workers		93.064	35,118	3
485	Supervisors, related agricultural occupations	65,607			
	020 Farm, ranch, and other agricultural managers		2.381	1,562	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		73.016	47,904	
	425 Grounds maintenance workers		2.381	1,562	
	600 First-line supervisors/managers of farming, fishing, and forestry workers		10.317	6,769	
	605 Miscellaneous agricultural workers		11.905	7,810	
486	Groundskeepers and gardeners, except farm	735,556			
	422 Janitors and building cleaners		1.747	12,848	
	425 Grounds maintenance workers		87.336	642,407	
	605 Miscellaneous agricultural workers		10.917	80,301	
487	Animal caretakers, except farm	107,205			
	365 Medical assistants and other healthcare support occupations		22.892	24,541	
	435 Nonfarm animal caretakers		73.494	78,789	
	605 Miscellaneous agricultural workers		3.614	3,875	
488	Graders and sorters, agricultural products	54,659			
	604 Graders and sorters, agricultural products		40.645	22,216	
	605 Miscellaneous agricultural workers		47.097	25,743	
	964 Packers and packagers, hand		12.258	6,700	
489	Inspectors, agricultural products	4,315			
	601 Agricultural inspectors		76.389	3,296	
	604 Graders and sorters, agricultural products		22.222	959	
	605 Miscellaneous agricultural workers		1.389	60	
494	Supervisors, forestry, and logging workers	12,068			
	600 First-line supervisors/managers of farming, fishing, and forestry workers		80.519	9,717	
	613 Logging workers		19.481	2,351	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
495	Forestry workers, except logging	20,431			
	021 Farmers and ranchers		0.658	134	
	196 Other life, physical, and social science technicians		27.632	5,645	
	612 Forest and conservation workers		71.711	14,651	
496	Timber cutting and logging occupations	115,524			
	613 Logging workers		100.000	115,524	1
497	Captains and other officers, fishing vessels	6,341			
	610 Fishers and related fishing workers		75.862	4,810	
	931 Ship and boat captains and operators		24.138	1,531	
498	Fishers	52,152			
	020 Farm, ranch, and other agricultural managers		0.515	269	
	605 Miscellaneous agricultural workers		1.031	538	
	610 Fishers and related fishing workers		96.392	50,270	2
	930 Sailors and marine oilers		1.546	806	
	952 Dredge, excavating, and loading machine operators		0.515	269	
499	Hunters and trappers	2,099			
	610 Fishers and related fishing workers		8.197	172	
	611 Hunters and trappers		91.803	1,927	3
503	Supervisors, mechanics and repairers	270,582			
	700 First-line supervisors/managers of mechanics, installers, and repairers		99.310	268,716	2
	770 First-line supervisors/managers of production and operating workers		0.690	1,866	
505	Automobile mechanics	954,623			
	711 Electronic equipment installers and repairers, motor vehicles		1.156	11,036	
	720 Automotive service technicians and mechanics		98.266	938,069	2
	721 Bus and truck mechanics and diesel engine specialists		0.578	5,518	
506	Automobile mechanic apprentices	1,591			
	720 Automotive service technicians and mechanics		100.000	1,591	1
507	Bus, truck, and stationary engine mechanics	266,142			
	721 Bus and truck mechanics and diesel engine specialists		96.450	256,693	2
	722 Heavy vehicle and mobile equipment service technicians and mechanics		3.550	9,449	
508	Aircraft engine mechanics	134,672			
	714 Aircraft mechanics and service technicians		100.000	134,672	1
509	Small engine repairers	62,022			
	724 Small engine mechanics		100.000	62,022	1
514	Automobile body and related repairers	228,710			
	715 Automotive body and related repairers		92.661	211,924	3
	716 Automotive glass installers and repairers		7.339	16,786	
515	Aircraft mechanics, exc. engine	31,814			
	714 Aircraft mechanics and service technicians		100.000	31,814	1
516	Heavy equipment mechanics	157,495			
	722 Heavy vehicle and mobile equipment service technicians and mechanics		100.000	157,495	1
517	Farm equipment mechanics	28,609			
	722 Heavy vehicle and mobile equipment service technicians and mechanics		100.000	28,609	1

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
518	Industrial machinery repairers	332,779			
	733 Industrial and refractory machinery mechanics		97.297	323,785	2
	736 Millwrights		1.351	4,497	
	841 Textile knitting and weaving machine setters, operators, and tenders		1.351	4,497	
519	Machinery maintenance occupations	25,273			
	735 Maintenance workers, machinery		100.000	25,273	1
523	Electronic repairers, communications and industrial equipment	179,229			
	290 Broadcast and sound engineering technicians and radio operators		6.289	11,272	
	635 Electricians		2.516	4,509	
	701 Computer, automated teller, and office machine repairers		2.516	4,509	
	702 Radio and telecommunications equipment installers and repairers		42.767	76,651	
	703 Avionics technicians		6.289	11,272	
	710 Electrical and electronics repairers, industrial and utility		4.403	7,891	
	711 Electronic equipment installers and repairers, motor vehicles		1.258	2,254	
	712 Electronic home entertainment equipment installers and repairers		14.465	25,926	
	713 Security and fire alarm systems installers		0.629	1,127	
	742 Telecommunications line installers and repairers		18.868	33,817	
525	Data processing equipment repairers	91,657			
	701 Computer, automated teller, and office machine repairers		100.000	91,657	1
526	Household appliance and power tool repairers	53,125			
	635 Electricians		1.099	584	
	704 Electric motor, power tool, and related repairers		6.593	3,503	
	731 Heating, air conditioning, and refrigeration mechanics and installers		1.099	584	
	732 Home appliance repairers		91.209	48,455	3
527	Telephone line installers and repairers	50,633			
	741 Electrical power-line installers and repairers		3.448	1,746	
	742 Telecommunications line installers and repairers		96.552	48,887	2
529	Telephone installers and repairers	190,927			
	702 Radio and telecommunications equipment installers and repairers		79.137	151,093	
	742 Telecommunications line installers and repairers		20.863	39,834	
533	Miscellaneous electrical and electronic equipment repairers	69,954			
	703 Avionics technicians		15.278	10,687	
	704 Electric motor, power tool, and related repairers		40.278	28,176	
	705 Electrical and electronics installers and repairers, transportation equipment		4.167	2,915	
	710 Electrical and electronics repairers, industrial and utility		4.167	2,915	
	711 Electronic equipment installers and repairers, motor vehicles		31.944	22,346	
	743 Precision instrument and equipment repairers		1.389	972	
	762 Other installation, maintenance, and repair workers		2.778	1,943	
534	Heating, air conditioning, and refrigeration mechanics	192,983			
	731 Heating, air conditioning, and refrigeration mechanics and installers		100.000	192,983	1
535	Camera, watch, and musical instrument repairers	31,097			
	743 Precision instrument and equipment repairers		100.000	31,097	1
536	Locksmiths and safe repairers	27,137			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	754 Locksmiths and safe repairers		100.000	27,137	1
538	Office machine repairers	41,888			
	701 Computer, automated teller, and office machine repairers		100.000	41,888	1
539	Mechanical controls and valve repairers	20,408			
	730 Control and valve installers and repairers		100.000	20,408	1
543	Elevator installers and repairers	25,634			
	670 Elevator installers and repairers		100.000	25,634	1
544	Millwrights	96,140			
	736 Millwrights		100.000	96,140	1
547	Specified mechanics and repairers, n.e.c.	213,949			
	683 Explosives workers, ordnance handling experts, and blasters		0.461	986	
	702 Radio and telecommunications equipment installers and repairers		2.304	4,930	
	703 Avionics technicians		0.461	986	
	704 Electric motor, power tool, and related repairers		0.461	986	
	712 Electronic home entertainment equipment installers and repairers		2.304	4,930	
	715 Automotive body and related repairers		0.461	986	
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		3.226	6,902	
	730 Control and valve installers and repairers		1.843	3,944	
	732 Home appliance repairers		1.382	2,958	
	733 Industrial and refractory machinery mechanics		8.756	18,733	
	734 Maintenance and repair workers, general		11.521	24,649	
	735 Maintenance workers, machinery		0.922	1,972	
	743 Precision instrument and equipment repairers		7.834	16,761	
	751 Coin, vending, and amusement machine servicers and repairers		6.452	13,803	
	755 Manufactured building and mobile home installers		5.069	10,845	
	756 Riggers		3.226	6,902	
	762 Other installation, maintenance, and repair workers		32.258	69,016	
	775 Miscellaneous assemblers and fabricators		3.687	7,888	
	813 Tool and die makers		0.461	986	
	821 Tool grinders, filers, and sharpeners		0.461	986	
	823 Bookbinders and bindery workers		2.304	4,930	
	833 Shoe and leather workers and repairers		0.922	1,972	
	851 Furniture finishers		0.922	1,972	
	876 Medical, dental, and ophthalmic laboratory technicians		0.461	986	
	962 Laborers and freight, stock, and material movers, hand		1.843	3,944	
549	Not specified mechanics and repairers	492,093			
	734 Maintenance and repair workers, general		66.667	328,062	
	735 Maintenance workers, machinery		1.754	8,633	
	762 Other installation, maintenance, and repair workers		31.579	155,398	
553	Supervisors; brickmasons, stonemasons, and tile setters	12,968			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	12,968	1
554	Supervisors, carpenters and related workers	45,625			
	620 First-line supervisors/managers of construction trades and extraction workers		96.667	44,104	2

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	770 First-line supervisors/managers of production and operating workers		1.667	760	
	900 Supervisors, transportation and material moving workers		1.667	760	
555	Supervisors, electricians and power transmission installers	73,556			
	620 First-line supervisors/managers of construction trades and extraction workers		91.262	67,129	3
	700 First-line supervisors/managers of mechanics, installers, and repairers		8.738	6,427	
556	Supervisors; painters, paperhangers, and plasterers	32,369			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	32,369	1
557	Supervisors; plumbers, pipefitters, and steamfitters	20,518			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	20,518	1
558	Supervisors, construction, n.e.c.	652,964			
	620 First-line supervisors/managers of construction trades and extraction workers		87.333	570,255	
	700 First-line supervisors/managers of mechanics, installers, and repairers		4.667	30,472	
	770 First-line supervisors/managers of production and operating workers		4.667	30,472	
	900 Supervisors, transportation and material moving workers		3.333	21,765	
563	Brickmasons and stonemasons	196,939			
	622 Brickmasons, blockmasons, and stonemasons		96.354	189,759	2
	624 Carpet, floor, and tile installers and finishers		3.646	7,180	
564	Brickmason and stonemason apprentices	727			
	622 Brickmasons, blockmasons, and stonemasons		100.000	727	1
565	Tile setters, hard and soft	55,642			
	624 Carpet, floor, and tile installers and finishers		100.000	55,642	1
566	Carpet installers	111,836			
	624 Carpet, floor, and tile installers and finishers		100.000	111,836	1
567	Carpenters	1,360,707			
	623 Carpenters		90.038	1,225,158	3
	624 Carpet, floor, and tile installers and finishers		2.299	31,281	
	633 Drywall installers, ceiling tile installers, and tapers		5.747	78,202	
	660 Helpers, construction trades		1.916	26,067	
569	Carpenter apprentices	4,853			
	623 Carpenters		100.000	4,853	1
573	Drywall installers	150,554			
	633 Drywall installers, ceiling tile installers, and tapers		100.000	150,554	1
575	Electricians	635,017			
	635 Electricians		96.316	611,622	2
	713 Security and fire alarm systems installers		3.684	23,395	
576	Electrician apprentices	15,572			
	635 Electricians		100.000	15,572	1
577	Electrical power installers and repairers	120,232			
	635 Electricians		14.286	17,176	
	700 First-line supervisors/managers of mechanics, installers, and repairers		5.357	6,441	
	741 Electrical power-line installers and repairers		69.643	83,733	
	742 Telecommunications line installers and repairers		4.464	5,368	
	760 Signal and track switch repairers		6.250	7,515	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
579	Painters, construction and maintenance		559,026			
	626	Construction laborers		0.803	4,490	
	642	Painters, construction and maintenance		93.574	523,105	3
	881	Painting workers		5.622	31,431	
583	Paperhangers		17,210			
	642	Painters, construction and maintenance		5.729	986	
	643	Paperhangers		94.271	16,224	3
584	Plasterers		43,109			
	646	Plasterers and stucco masons		100.000	43,109	1
585	Plumbers, pipefitters, and steamfitters		488,858			
	644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	488,858	1
587	Plumber, pipefitter, and steamfitter apprentices		6,579			
	644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	6,579	1
588	Concrete and terrazzo finishers		75,945			
	625	Cement masons, concrete finishers, and terrazzo workers		100.000	75,945	1
589	Glaziers		45,595			
	636	Glaziers		100.000	45,595	1
593	Insulation workers		74,412			
	640	Insulation workers		61.143	45,498	
	672	Hazardous materials removal workers		38.857	28,914	
594	Paving, surfacing, and tamping equipment operators		13,110			
	630	Paving, surfacing, and tamping equipment operators		94.872	12,438	3
	632	Operating engineers and other construction equipment operators		1.282	168	
	673	Highway maintenance workers		3.846	504	
595	Roofers		197,183			
	651	Roofers		100.000	197,183	1
596	Sheetmetal duct installers		29,962			
	652	Sheet metal workers		100.000	29,962	1
597	Structural metal workers		75,338			
	650	Reinforcing iron and rebar workers		14.516	10,936	
	653	Structural iron and steel workers		78.226	58,934	
	774	Structural metal fabricators and fitters		4.032	3,038	
	816	Lay-out workers, metal and plastic		3.226	2,430	
598	Drillers, earth		20,491			
	682	Earth drillers, except oil and gas		100.000	20,491	1
599	Construction trades, n.e.c.		181,103			
	425	Grounds maintenance workers		0.699	1,266	
	623	Carpenters		0.699	1,266	
	624	Carpet, floor, and tile installers and finishers		1.399	2,533	
	625	Cement masons, concrete finishers, and terrazzo workers		1.399	2,533	
	626	Construction laborers		6.993	12,665	
	631	Pile-driver operators		2.797	5,066	
	632	Operating engineers and other construction equipment operators		0.699	1,266	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	644 Pipelayers, plumbers, pipefitters, and steamfitters		16.084	29,128	
	650 Reinforcing iron and rebar workers		2.098	3,799	
	653 Structural iron and steel workers		7.692	13,931	
	660 Helpers, construction trades		2.797	5,066	
	671 Fence erectors		13.986	25,329	
	673 Highway maintenance workers		20.280	36,727	
	674 Rail-track laying and maintenance equipment operators		1.399	2,533	
	676 Miscellaneous construction and related workers		14.685	26,596	
	712 Electronic home entertainment equipment installers and repairers		1.399	2,533	
	756 Riggers		3.497	6,332	
	896 Production workers, all other		1.399	2,533	
613	Supervisors, extractive occupations	49,319			
	620 First-line supervisors/managers of construction trades and extraction workers		95.890	47,292	2
	900 Supervisors, transportation and material moving workers		4.110	2,027	
614	Drillers, oil well	37,072			
	680 Derrick, rotary drill, and service unit operators, oil, gas, and mining		37.956	14,071	
	692 Roustabouts, oil and gas		40.876	15,154	
	693 Helpers--extraction workers		16.058	5,953	
	694 Other extraction workers		5.109	1,894	
615	Explosives workers	9,377			
	683 Explosives workers, ordnance handling experts, and blasters		89.691	8,410	
	896 Production workers, all other		10.309	967	
616	Mining machine operators	62,318			
	682 Earth drillers, except oil and gas		5.926	3,693	
	684 Mining machine operators		88.148	54,932	
	691 Roof bolters, mining		5.185	3,231	
	694 Other extraction workers		0.741	462	
617	Mining occupations, n.e.c.	34,776			
	684 Mining machine operators		21.239	7,386	
	691 Roof bolters, mining		12.389	4,309	
	692 Roustabouts, oil and gas		0.885	308	
	694 Other extraction workers		51.327	17,850	
	961 Cleaners of vehicles and equipment		14.159	4,924	
628	Supervisors, production occupations	1,299,637			
	500 First-line supervisors/managers of office and administrative support workers		15.217	197,771	
	620 First-line supervisors/managers of construction trades and extraction workers		2.826	36,729	
	700 First-line supervisors/managers of mechanics, installers, and repairers		2.826	36,729	
	770 First-line supervisors/managers of production and operating workers		69.348	901,270	
	836 Textile bleaching and dyeing machine operators and tenders		0.217	2,825	
	900 Supervisors, transportation and material moving workers		9.348	121,488	
	931 Ship and boat captains and operators		0.217	2,825	
634	Tool and die makers	142,814			
	813 Tool and die makers		100.000	142,814	1

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
635	Tool and die maker apprentices	2,376			
	813 Tool and die makers		100.000	2,376	1
636	Precision assemblers, metal	40,959			
	771 Aircraft structure, surfaces, rigging, and systems assemblers		26.957	11,041	
	773 Engine and other machine assemblers		46.957	19,233	
	775 Miscellaneous assemblers and fabricators		26.087	10,685	
637	Machinists	569,081			
	803 Machinists		98.985	563,304	2
	850 Cabinetmakers and bench carpenters		1.015	5,777	
639	Machinist apprentices	1,543			
	803 Machinists		100.000	1,543	1
643	Boilermakers	24,293			
	621 Boilermakers		100.000	24,293	1
644	Precision grinders, filers, and tool sharpeners	23,069			
	821 Tool grinders, filers, and sharpeners		100.000	23,069	1
645	Patternmakers and model makers, metal	5,442			
	806 Model makers and patternmakers, metal and plastic		98.750	5,374	2
	874 Inspectors, testers, sorters, samplers, and weighers		1.250	68	
646	Lay-out workers	16,987			
	774 Structural metal fabricators and fitters		1.053	179	
	816 Lay-out workers, metal and plastic		95.789	16,272	2
	855 Woodworkers, all other		1.053	179	
	896 Production workers, all other		2.105	358	
647	Precious stones and metals workers (Jewelers)	61,830			
	743 Precision instrument and equipment repairers		0.752	465	
	875 Jewelers and precious stone and metal workers		99.248	61,365	2
649	Engravers, metal	17,158			
	891 Etchers and engravers		100.000	17,158	1
653	Sheet metal workers	143,491			
	652 Sheet metal workers		100.000	143,491	1
654	Sheet metal worker apprentices	951			
	652 Sheet metal workers		100.000	951	1
655	Miscellaneous precision metal workers	2,380			
	774 Structural metal fabricators and fitters		1.333	32	
	775 Miscellaneous assemblers and fabricators		24.000	571	
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		32.000	762	
	803 Machinists		2.667	63	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		10.667	254	
	821 Tool grinders, filers, and sharpeners		28.000	666	
	891 Etchers and engravers		1.333	32	
656	Patternmakers and model makers, wood	3,299			
	852 Model makers and patternmakers, wood		87.013	2,871	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	855 Woodworkers, all other		6.494	214	
	892 Molders, shapers, and casters, except metal and plastic		6.494	214	
657	Cabinet makers and bench carpenters	71,871			
	850 Cabinetmakers and bench carpenters		100.000	71,871	1
658	Furniture and wood finishers	33,431			
	851 Furniture finishers		100.000	33,431	1
659	Miscellaneous precision woodworkers	2,058			
	854 Woodworking machine setters, operators, and tenders, except sawing		25.000	515	
	855 Woodworkers, all other		75.000	1,544	
666	Dressmakers	97,258			
	835 Tailors, dressmakers, and sewers		100.000	97,258	1
667	Tailors	56,807			
	835 Tailors, dressmakers, and sewers		100.000	56,807	1
668	Upholsterers	73,938			
	845 Upholsterers		100.000	73,938	1
669	Shoe repairers	28,028			
	833 Shoe and leather workers and repairers		100.000	28,028	1
674	Miscellaneous precision apparel and fabric workers	16,489			
	835 Tailors, dressmakers, and sewers		2.667	440	
	840 Textile cutting machine setters, operators, and tenders		2.667	440	
	844 Fabric and apparel patternmakers		14.667	2,418	
	846 Textile, apparel, and furnishings workers, all other		80.000	13,191	
675	Hand molders and shapers, except jewelers	20,057			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		11.207	2,248	
	892 Molders, shapers, and casters, except metal and plastic		88.793	17,809	
676	Patternmakers, lay-out workers, and cutters	22,890			
	636 Glaziers		4.286	981	
	775 Miscellaneous assemblers and fabricators		0.714	164	
	806 Model makers and patternmakers, metal and plastic		56.429	12,917	
	844 Fabric and apparel patternmakers		36.429	8,339	
	871 Cutting workers		0.714	164	
	892 Molders, shapers, and casters, except metal and plastic		1.429	327	
677	Optical goods workers	74,907			
	352 Opticians, dispensing		70.690	52,952	
	874 Inspectors, testers, sorters, samplers, and weighers		0.575	431	
	876 Medical, dental, and ophthalmic laboratory technicians		28.736	21,525	
678	Dental laboratory and medical appliance technicians	56,964			
	876 Medical, dental, and ophthalmic laboratory technicians		100.000	56,964	1
679	Bookbinders	29,933			
	823 Bookbinders and bindery workers		100.000	29,933	1
683	Electrical and electronic equipment assemblers	309,406			
	772 Electrical, electronics, and electromechanical assemblers		92.857	287,306	3
	773 Engine and other machine assemblers		1.905	5,893	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	775 Miscellaneous assemblers and fabricators		5.238	16,207	
684	Miscellaneous precision workers, n.e.c.	54,214			
	775 Miscellaneous assemblers and fabricators		9.615	5,213	
	812 Multiple machine tool setters, operators, and tenders, metal and plastic		2.885	1,564	
	822 Metalworkers and plastic workers, all other		77.885	42,224	
	865 Crushing, grinding, polishing, mixing, and blending workers		2.885	1,564	
	876 Medical, dental, and ophthalmic laboratory technicians		3.846	2,085	
	883 Photographic process workers and processing machine operators		2.885	1,564	
686	Butchers and meat cutters	278,902			
	781 Butchers and other meat, poultry, and fish processing workers		99.485	277,464	2
	964 Packers and packagers, hand		0.515	1,438	
687	Bakers	159,172			
	780 Bakers		100.000	159,172	1
688	Food batchmakers	53,838			
	784 Food batchmakers		100.000	53,838	1
689	Inspectors, testers, and graders	131,905			
	054 Claims adjusters, appraisers, examiners, and investigators		0.581	767	
	666 Construction and building inspectors		3.488	4,601	
	874 Inspectors, testers, sorters, samplers, and weighers		77.326	101,996	
	941 Transportation inspectors		18.605	24,540	
693	Adjusters and calibrators	8,750			
	056 Compliance officers, except agriculture, construction, health and safety, and transportation		2.899	254	
	743 Precision instrument and equipment repairers		10.145	888	
	772 Electrical, electronics, and electromechanical assemblers		4.348	380	
	775 Miscellaneous assemblers and fabricators		63.043	5,516	
	874 Inspectors, testers, sorters, samplers, and weighers		19.565	1,712	
694	Water and sewage treatment plant operators	61,269			
	860 Power plant operators, distributors, and dispatchers		3.030	1,857	
	862 Water and liquid waste treatment plant and system operators		91.667	56,163	3
	863 Miscellaneous plant and system operators		5.303	3,249	
695	Power plant operators	37,012			
	860 Power plant operators, distributors, and dispatchers		100.000	37,012	1
696	Stationary engineers	161,241			
	733 Industrial and refractory machinery mechanics		2.353	3,794	
	822 Metalworkers and plastic workers, all other		1.176	1,897	
	860 Power plant operators, distributors, and dispatchers		8.235	13,279	
	861 Stationary engineers and boiler operators		83.529	134,684	
	965 Pumping station operators		4.706	7,588	
699	Miscellaneous plant and system operators	53,622			
	863 Miscellaneous plant and system operators		97.403	52,229	2
	874 Inspectors, testers, sorters, samplers, and weighers		1.299	696	
	965 Pumping station operators		1.299	696	
703	Lathe and turning machine set-up operators	29,460			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		7.143	2,104	
	822 Metalworkers and plastic workers, all other		92.857	27,356	3
704	Lathe and turning machine operators	36,530			
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		100.000	36,530	1
705	Milling and planing machine operators	6,789			
	802 Milling and planing machine setters, operators, and tenders, metal and plastic		100.000	6,789	1
706	Punching and stamping press machine operators	110,466			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		97.688	107,912	2
	871 Cutting workers		2.312	2,554	
707	Rolling machine operators	13,743			
	794 Rolling machine setters, operators, and tenders, metal and plastic		94.366	12,969	3
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		1.408	194	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		4.225	581	
708	Drilling and boring machine operators	21,576			
	796 Drilling and boring machine tool setters, operators, and tenders, metal and plastic		100.000	21,576	1
709	Grinding, abrading, buffing, and polishing machine operators	125,458			
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		75.936	95,268	
	854 Woodworking machine setters, operators, and tenders, except sawing		1.070	1,342	
	865 Crushing, grinding, polishing, mixing, and blending workers		21.390	26,836	
	876 Medical, dental, and ophthalmic laboratory technicians		1.604	2,013	
713	Forging machine operators	17,046			
	793 Forging machine setters, operators, and tenders, metal and plastic		95.082	16,208	2
	896 Production workers, all other		4.918	838	
714	Numerical control machine operators	1,636			
	790 Computer control programmers and operators		100.000	1,636	1
715	Miscellaneous metal, plastic, stone, and glass working machine operators	25,328			
	754 Locksmiths and safe repairers		7.895	2,000	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		17.763	4,499	
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		6.579	1,666	
	822 Metalworkers and plastic workers, all other		63.816	16,163	
	896 Production workers, all other		3.947	1,000	
717	Fabricating machine operators, n.e.c.	26,662			
	772 Electrical, electronics, and electromechanical assemblers		5.970	1,592	
	793 Forging machine setters, operators, and tenders, metal and plastic		2.239	597	
	794 Rolling machine setters, operators, and tenders, metal and plastic		5.224	1,393	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		7.463	1,990	
	822 Metalworkers and plastic workers, all other		76.119	20,295	
	823 Bookbinders and bindery workers		0.746	199	
	874 Inspectors, testers, sorters, samplers, and weighers		0.746	199	
	896 Production workers, all other		1.493	398	
719	Molding and casting machine operators	89,468			
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		5.682	5,083	

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Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		81.250	72,693	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		2.273	2,033	
	892 Molders, shapers, and casters, except metal and plastic		10.795	9,658	
723	Metal plating machine operators	35,397			
	820 Plating and coating machine setters, operators, and tenders, metal and plastic		100.000	35,397	1
724	Heat treating equipment operators	18,543			
	804 Metal furnace and kiln operators and tenders		1.818	337	
	815 Heat treating equipment setters, operators, and tenders, metal and plastic		98.182	18,206	2
725	Miscellaneous metal and plastic processing machine operators	18,959			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		39.568	7,502	
	822 Metalworkers and plastic workers, all other		0.719	136	
	865 Crushing, grinding, polishing, mixing, and blending workers		44.604	8,457	
	881 Painting workers		4.317	818	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		10.791	2,046	
726	Wood lathe, routing, and planing machine operators	8,211			
	854 Woodworking machine setters, operators, and tenders, except sawing		100.000	8,211	1
727	Sawing machine operators	94,905			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		4.255	4,039	
	853 Sawing machine setters, operators, and tenders, wood		87.943	83,463	
	896 Production workers, all other		7.801	7,404	
728	Shaping and joining machine operators	6,044			
	854 Woodworking machine setters, operators, and tenders, except sawing		98.958	5,981	2
	885 Cementing and gluing machine operators and tenders		1.042	63	
729	Nailing and tacking machine operators	3,219			
	854 Woodworking machine setters, operators, and tenders, except sawing		100.000	3,219	1
733	Miscellaneous woodworking machine operators	43,258			
	775 Miscellaneous assemblers and fabricators		2.521	1,091	
	854 Woodworking machine setters, operators, and tenders, except sawing		33.613	14,541	
	855 Woodworkers, all other		57.143	24,719	
	885 Cementing and gluing machine operators and tenders		6.723	2,908	
734	Printing press operators	359,781			
	824 Job printers		23.729	85,372	
	825 Prepress technicians and workers		4.661	16,769	
	826 Printing machine operators		71.610	257,640	
735	Photoengravers and lithographers	49,106			
	825 Prepress technicians and workers		100.000	49,106	1
736	Typesetters and compositors	72,353			
	825 Prepress technicians and workers		100.000	72,353	1
737	Miscellaneous printing machine operators	50,905			
	823 Bookbinders and bindery workers		58.382	29,719	
	825 Prepress technicians and workers		13.295	6,768	
	826 Printing machine operators		28.324	14,418	
738	Winding and twisting machine operators	70,620			

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		87.417	61,734	
	843 Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		1.325	935	
	893 Paper goods machine setters, operators, and tenders		3.311	2,338	
	896 Production workers, all other		7.947	5,612	
739	Knitting, looping, taping, and weaving machine operators	60,223			
	841 Textile knitting and weaving machine setters, operators, and tenders		100.000	60,223	1
743	Textile cutting machine operators	7,839			
	840 Textile cutting machine setters, operators, and tenders		75.000	5,879	
	871 Cutting workers		25.000	1,960	
744	Textile sewing machine operators	783,799			
	832 Sewing machine operators		100.000	783,799	1
745	Shoe machine operators	34,244			
	834 Shoe machine operators and tenders		100.000	34,244	1
747	Pressing machine operators	148,411			
	831 Pressers, textile, garment, and related materials		100.000	148,411	1
748	Laundry and dry cleaning machine operators	219,097			
	830 Laundry and dry-cleaning workers		99.398	217,777	2
	836 Textile bleaching and dyeing machine operators and tenders		0.602	1,320	
749	Miscellaneous textile machine operators	93,339			
	825 Prepress technicians and workers		0.820	765	
	826 Printing machine operators		1.639	1,530	
	836 Textile bleaching and dyeing machine operators and tenders		0.820	765	
	840 Textile cutting machine setters, operators, and tenders		1.639	1,530	
	841 Textile knitting and weaving machine setters, operators, and tenders		0.820	765	
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		4.918	4,590	
	846 Textile, apparel, and furnishings workers, all other		77.869	72,682	
	854 Woodworking machine setters, operators, and tenders, except sawing		3.279	3,060	
	896 Production workers, all other		8.197	7,651	
753	Cementing and gluing machine operators	32,386			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.000	324	
	885 Cementing and gluing machine operators and tenders		99.000	32,062	2
754	Packaging and filling machine operators	281,245			
	880 Packaging and filling machine operators and tenders		98.086	275,862	2
	885 Cementing and gluing machine operators and tenders		1.914	5,383	
755	Extruding and forming machine operators	27,901			
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		46.203	12,891	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.266	353	
	843 Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		3.797	1,060	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		46.835	13,068	
	892 Molders, shapers, and casters, except metal and plastic		1.899	530	
756	Mixing and blending machine operators	111,141			
	781 Butchers and other meat, poultry, and fish processing workers		2.239	2,488	
	784 Food batchmakers		19.403	21,565	

**Table 2. 1990 Census Occupation Classification System and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	836 Textile bleaching and dyeing machine operators and tenders		9.701	10,782	
	865 Crushing, grinding, polishing, mixing, and blending workers		67.164	74,647	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.493	1,659	
757	Separating, filtering, and clarifying machine operators	69,630			
	863 Miscellaneous plant and system operators		0.833	580	
	864 Chemical processing machine setters, operators, and tenders		99.167	69,050	2
758	Compressing and compacting machine operators	22,353			
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		97.938	21,892	2
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		1.031	230	
	893 Paper goods machine setters, operators, and tenders		1.031	230	
759	Painting and paint spraying machine operators	136,177			
	636 Glaziers		4.040	5,502	
	715 Automotive body and related repairers		7.576	10,316	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.010	1,376	
	881 Painting workers		87.374	118,983	
763	Roasting and baking machine operators, food	4,748			
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		99.010	4,701	2
	785 Food cooking machine operators and tenders		0.990	47	
764	Washing, cleaning, and pickling machine operators	10,438			
	785 Food cooking machine operators and tenders		2.174	227	
	826 Printing machine operators		1.087	113	
	836 Textile bleaching and dyeing machine operators and tenders		4.348	454	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		92.391	9,644	3
765	Folding machine operators	20,429			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		1.563	319	
	831 Pressers, textile, garment, and related materials		3.906	798	
	893 Paper goods machine setters, operators, and tenders		85.938	17,556	
	896 Production workers, all other		8.594	1,756	
766	Furnace, kiln, and oven operators, exc. food	96,276			
	804 Metal furnace and kiln operators and tenders		51.351	49,439	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.802	1,735	
	846 Textile, apparel, and furnishings workers, all other		0.901	867	
	861 Stationary engineers and boiler operators		13.514	13,010	
	864 Chemical processing machine setters, operators, and tenders		1.802	1,735	
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		29.730	28,623	
	874 Inspectors, testers, sorters, samplers, and weighers		0.901	867	
768	Crushing and grinding machine operators	45,207			
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		10.870	4,914	
	864 Chemical processing machine setters, operators, and tenders		1.087	491	
	865 Crushing, grinding, polishing, mixing, and blending workers		88.043	39,802	
769	Slicing and cutting machine operators	187,949			
	613 Logging workers		0.365	686	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	781 Butchers and other meat, poultry, and fish processing workers		2.190	4,116	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		10.219	19,206	
	840 Textile cutting machine setters, operators, and tenders		20.073	37,727	
	845 Upholsterers		0.365	686	
	853 Sawing machine setters, operators, and tenders, wood		4.380	8,231	
	854 Woodworking machine setters, operators, and tenders, except sawing		2.920	5,488	
	855 Woodworkers, all other		4.745	8,917	
	864 Chemical processing machine setters, operators, and tenders		1.460	2,744	
	871 Cutting workers		51.460	96,718	
	874 Inspectors, testers, sorters, samplers, and weighers		1.460	2,744	
	963 Machine feeders and offbearers		0.365	686	
773	Motion picture projectionists	10,357			
	441 Motion picture projectionists		100.000	10,357	1
774	Photographic process machine operators	101,939			
	290 Broadcast and sound engineering technicians and radio operators		0.629	641	
	291 Photographers		6.918	7,052	
	590 Office machine operators, except computer		5.031	5,129	
	825 Prepress technicians and workers		15.094	15,387	
	883 Photographic process workers and processing machine operators		70.440	71,806	
	896 Production workers, all other		1.887	1,923	
777	Miscellaneous machine operators, n.e.c.	611,270			
	772 Electrical, electronics, and electromechanical assemblers		0.876	5,354	
	780 Bakers		0.292	1,785	
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		0.438	2,677	
	784 Food batchmakers		0.292	1,785	
	785 Food cooking machine operators and tenders		0.438	2,677	
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	793 Forging machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		0.584	3,569	
	812 Multiple machine tool setters, operators, and tenders, metal and plastic		0.146	892	
	820 Plating and coating machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	822 Metalworkers and plastic workers, all other		27.153	165,980	
	826 Printing machine operators		0.730	4,462	
	834 Shoe machine operators and tenders		0.292	1,785	
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		0.730	4,462	
	843 Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		0.146	892	
	863 Miscellaneous plant and system operators		0.730	4,462	
	864 Chemical processing machine setters, operators, and tenders		0.876	5,354	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.022	6,247	
	871 Cutting workers		0.730	4,462	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.460	8,924	
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		0.584	3,569	
	876 Medical, dental, and ophthalmic laboratory technicians		0.146	892	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	880 Packaging and filling machine operators and tenders		1.022	6,247	
	881 Painting workers		0.292	1,785	
	884 Semiconductor processors		0.438	2,677	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		0.438	2,677	
	890 Cooling and freezing equipment operators and tenders		0.730	4,462	
	891 Etchers and engravers		0.292	1,785	
	892 Molders, shapers, and casters, except metal and plastic		0.584	3,569	
	893 Paper goods machine setters, operators, and tenders		2.044	12,493	
	894 Tire builders		1.752	10,708	
	896 Production workers, all other		53.431	326,606	
	963 Machine feeders and offbearers		0.438	2,677	
779	Machine operators, not specified	956,865			
	676 Miscellaneous construction and related workers		0.508	4,857	
	762 Other installation, maintenance, and repair workers		1.015	9,714	
	774 Structural metal fabricators and fitters		1.523	14,572	
	780 Bakers		0.508	4,857	
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		0.508	4,857	
	804 Metal furnace and kiln operators and tenders		0.508	4,857	
	822 Metalworkers and plastic workers, all other		14.213	136,001	
	825 Prepress technicians and workers		0.508	4,857	
	833 Shoe and leather workers and repairers		1.015	9,714	
	846 Textile, apparel, and furnishings workers, all other		1.015	9,714	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		3.046	29,143	
	880 Packaging and filling machine operators and tenders		2.538	24,286	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		1.523	14,572	
	893 Paper goods machine setters, operators, and tenders		1.015	9,714	
	895 Helpers--production workers		0.508	4,857	
	896 Production workers, all other		66.497	636,291	
	942 Other transportation workers		0.508	4,857	
	963 Machine feeders and offbearers		3.046	29,143	
783	Welders and cutters	643,978			
	814 Welding, soldering, and brazing workers		99.519	640,882	2
	896 Production workers, all other		0.481	3,096	
784	Solderers and brazers	28,237			
	814 Welding, soldering, and brazing workers		100.000	28,237	1
785	Assemblers	1,573,979			
	676 Miscellaneous construction and related workers		0.302	4,748	
	703 Avionics technicians		0.151	2,374	
	711 Electronic equipment installers and repairers, motor vehicles		0.151	2,374	
	715 Automotive body and related repairers		0.302	4,748	
	716 Automotive glass installers and repairers		0.151	2,374	
	762 Other installation, maintenance, and repair workers		0.754	11,870	
	771 Aircraft structure, surfaces, rigging, and systems assemblers		3.167	49,855	

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	Census 2000 Codes and Categories				
	772 Electrical, electronics, and electromechanical assemblers		7.843	123,449	
	773 Engine and other machine assemblers		2.715	42,732	
	774 Structural metal fabricators and fitters		0.603	9,496	
	775 Miscellaneous assemblers and fabricators		70.739	1,113,418	
	822 Metalworkers and plastic workers, all other		1.056	16,618	
	833 Shoe and leather workers and repairers		0.151	2,374	
	845 Upholsterers		0.302	4,748	
	846 Textile, apparel, and furnishings workers, all other		0.302	4,748	
	874 Inspectors, testers, sorters, samplers, and weighers		1.207	18,992	
	875 Jewelers and precious stone and metal workers		0.151	2,374	
	880 Packaging and filling machine operators and tenders		1.056	16,618	
	893 Paper goods machine setters, operators, and tenders		0.905	14,244	
	896 Production workers, all other		7.994	125,823	
786	Hand cutting and trimming occupations	16,505			
	781 Butchers and other meat, poultry, and fish processing workers		51.111	8,436	
	871 Cutting workers		48.889	8,069	
787	Hand molding, casting, and forming occupations	26,409			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		28.713	7,583	
	892 Molders, shapers, and casters, except metal and plastic		71.287	18,826	
789	Hand painting, coating, and decorating occupations	45,058			
	784 Food batchmakers		1.667	751	
	871 Cutting workers		0.833	375	
	881 Painting workers		97.500	43,932	2
793	Hand engraving and printing occupations	14,854			
	826 Printing machine operators		38.667	5,744	
	891 Etchers and engravers		61.333	9,110	
795	Miscellaneous hand working occupations	43,633			
	762 Other installation, maintenance, and repair workers		1.739	759	
	775 Miscellaneous assemblers and fabricators		10.435	4,553	
	785 Food cooking machine operators and tenders		6.957	3,035	
	831 Pressers, textile, garment, and related materials		6.957	3,035	
	835 Tailors, dressmakers, and sewers		3.478	1,518	
	846 Textile, apparel, and furnishings workers, all other		1.739	759	
	854 Woodworking machine setters, operators, and tenders, except sawing		8.696	3,794	
	865 Crushing, grinding, polishing, mixing, and blending workers		11.304	4,932	
	871 Cutting workers		4.348	1,897	
	894 Tire builders		4.348	1,897	
	896 Production workers, all other		40.000	17,453	
796	Production inspectors, checkers, and examiners	625,008			
	604 Graders and sorters, agricultural products		3.311	20,696	
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		0.331	2,070	
	874 Inspectors, testers, sorters, samplers, and weighers		94.702	591,895	3
	941 Transportation inspectors		1.656	10,348	

**Table 2. 1990 Census Occupation Classification System and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
797	Production testers	60,144			
	874 Inspectors, testers, sorters, samplers, and weighers		99.225	59,678	2
	941 Transportation inspectors		0.775	466	
798	Production samplers and weighers	10,790			
	604 Graders and sorters, agricultural products		2.062	222	
	874 Inspectors, testers, sorters, samplers, and weighers		97.938	10,568	2
799	Graders and sorters, exc. agricultural	138,183			
	604 Graders and sorters, agricultural products		13.450	18,586	
	874 Inspectors, testers, sorters, samplers, and weighers		57.895	80,001	
	875 Jewelers and precious stone and metal workers		0.585	808	
	964 Packers and packagers, hand		28.070	38,788	
803	Supervisors, motor vehicle operators	80,351			
	700 First-line supervisors/managers of mechanics, installers, and repairers		3.604	2,896	
	900 Supervisors, transportation and material moving workers		96.396	77,455	2
804	Truck drivers	2,908,952			
	605 Miscellaneous agricultural workers		0.830	24,141	
	613 Logging workers		0.415	12,070	
	913 Driver/sales workers and truck drivers		95.021	2,764,108	2
	914 Taxi drivers and chauffeurs		3.734	108,633	
806	Driver-sales workers	143,353			
	751 Coin, vending, and amusement machine servicers and repairers		36.913	52,916	
	913 Driver/sales workers and truck drivers		63.087	90,437	
808	Bus drivers	447,570			
	912 Bus drivers		96.552	432,137	2
	914 Taxi drivers and chauffeurs		3.448	15,433	
809	Taxicab drivers and chauffeurs	207,333			
	911 Ambulance drivers and attendants, except emergency medical technicians		4.698	9,740	
	912 Bus drivers		2.685	5,566	
	914 Taxi drivers and chauffeurs		90.604	187,852	3
	915 Motor vehicle operators, all other		2.013	4,174	
813	Parking lot attendants	46,559			
	935 Parking lot attendants		100.000	46,559	1
814	Motor transportation occupations, n.e.c.	3,789			
	915 Motor vehicle operators, all other		100.000	3,789	1
823	Railroad conductors and yardmasters	37,573			
	924 Railroad conductors and yardmasters		100.000	37,573	1
824	Locomotive operating occupations	45,966			
	920 Locomotive engineers and operators		98.052	45,071	2
	926 Subway, streetcar, and other rail transportation workers		1.948	895	
825	Railroad brake, signal, and switch operators	33,259			
	923 Railroad brake, signal, and switch operators		100.000	33,259	1
826	Rail vehicle operators, n.e.c.	5,048			
	926 Subway, streetcar, and other rail transportation workers		100.000	5,048	1

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
828	Ship captains and mates, except fishing boats	32,997			
	931 Ship and boat captains and operators		100.000	32,997	1
829	Sailors and deckhands	25,945			
	930 Sailors and marine oilers		97.656	25,337	2
	952 Dredge, excavating, and loading machine operators		2.344	608	
833	Marine engineers	4,152			
	930 Sailors and marine oilers		18.750	779	
	933 Ship engineers		81.250	3,374	
834	Bridge, lock, and lighthouse tenders	6,167			
	934 Bridge and lock tenders		100.000	6,167	1
843	Supervisors, material moving equipment operators	23,803			
	900 Supervisors, transportation and material moving workers		100.000	23,803	1
844	Operating engineers	241,812			
	632 Operating engineers and other construction equipment operators		96.129	232,452	2
	952 Dredge, excavating, and loading machine operators		3.226	7,800	
	956 Hoist and winch operators		0.645	1,560	
845	Longshore equipment operators	4,403			
	951 Crane and tower operators		50.000	2,202	
	962 Laborers and freight, stock, and material movers, hand		12.500	550	
	975 Material moving workers, all other		37.500	1,651	
848	Hoist and winch operators	20,300			
	613 Logging workers		9.524	1,933	
	680 Derrick, rotary drill, and service unit operators, oil, gas, and mining		30.159	6,122	
	694 Other extraction workers		12.698	2,578	
	952 Dredge, excavating, and loading machine operators		0.794	161	
	956 Hoist and winch operators		46.825	9,506	
849	Crane and tower operators	81,825			
	951 Crane and tower operators		100.000	81,825	1
853	Excavating and loading machine operators	95,983			
	632 Operating engineers and other construction equipment operators		24.793	23,797	
	684 Mining machine operators		0.826	793	
	694 Other extraction workers		0.826	793	
	952 Dredge, excavating, and loading machine operators		73.554	70,599	
855	Grader, dozer, and scraper operators	64,880			
	630 Paving, surfacing, and tamping equipment operators		18.182	11,796	
	632 Operating engineers and other construction equipment operators		81.818	53,084	
856	Industrial truck and tractor equipment operators	441,859			
	613 Logging workers		0.595	2,630	
	632 Operating engineers and other construction equipment operators		1.786	7,890	
	960 Industrial truck and tractor operators		97.619	431,339	2
859	Miscellaneous material moving equipment operators	95,095			
	392 Security guards and gaming surveillance officers		0.943	897	
	672 Hazardous materials removal workers		2.830	2,691	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	684 Mining machine operators		1.887	1,794	
	694 Other extraction workers		3.774	3,588	
	756 Riggers		0.943	897	
	896 Production workers, all other		2.830	2,691	
	950 Conveyor operators and tenders		8.491	8,074	
	956 Hoist and winch operators		0.943	897	
	962 Laborers and freight, stock, and material movers, hand		18.868	17,942	
	965 Pumping station operators		16.038	15,251	
	973 Shuttle car operators		6.604	6,280	
	974 Tank car, truck, and ship loaders		1.887	1,794	
	975 Material moving workers, all other		33.962	32,296	
864	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	15,668			
	900 Supervisors, transportation and material moving workers		100.000	15,668	1
865	Helpers, mechanics and repairers	21,871			
	660 Helpers, construction trades		1.205	264	
	761 Helpers--installation, maintenance, and repair workers		98.795	21,607	2
866	Helpers, construction trades	85,604			
	626 Construction laborers		3.788	3,243	
	660 Helpers, construction trades		93.939	80,416	3
	761 Helpers--installation, maintenance, and repair workers		1.515	1,297	
	975 Material moving workers, all other		0.758	649	
867	Helpers, surveyor	4,675			
	155 Engineering technicians, except drafters		0.962	45	
	156 Surveying and mapping technicians		88.462	4,136	
	660 Helpers, construction trades		10.577	494	
868	Helpers, extractive occupations	2,433			
	693 Helpers--extraction workers		100.000	2,433	1
869	Construction laborers	1,149,780			
	394 Crossing guards		7.426	85,380	
	626 Construction laborers		81.188	933,485	
	660 Helpers, construction trades		4.950	56,920	
	673 Highway maintenance workers		5.446	62,612	
	693 Helpers--extraction workers		0.990	11,384	
874	Production helpers	37,983			
	761 Helpers--installation, maintenance, and repair workers		4.688	1,780	
	895 Helpers--production workers		86.719	32,938	
	896 Production workers, all other		6.250	2,374	
	962 Laborers and freight, stock, and material movers, hand		2.344	890	
875	Garbage collectors	59,909			
	972 Refuse and recyclable material collectors		100.000	59,909	1
876	Stevedores	11,483			
	896 Production workers, all other		1.626	187	
	962 Laborers and freight, stock, and material movers, hand		98.374	11,296	2

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
877	Stock handlers and baggers	1,030,362			
	562 Stock clerks and order fillers		55.682	573,724	
	896 Production workers, all other		3.409	35,126	
	962 Laborers and freight, stock, and material movers, hand		39.205	403,949	
	964 Packers and packagers, hand		1.705	17,563	
878	Machine feeders and offbearers	87,209			
	846 Textile, apparel, and furnishings workers, all other		3.125	2,725	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.563	1,363	
	895 Helpers--production workers		3.125	2,725	
	896 Production workers, all other		7.031	6,132	
	962 Laborers and freight, stock, and material movers, hand		13.281	11,582	
	963 Machine feeders and offbearers		71.094	62,000	
	975 Material moving workers, all other		0.781	681	
883	Freight, stock, and material handlers, n.e.c.	572,957			
	554 Postal service clerks		8.264	47,352	
	613 Logging workers		0.826	4,735	
	694 Other extraction workers		0.413	2,368	
	896 Production workers, all other		5.372	30,779	
	942 Other transportation workers		2.066	11,838	
	962 Laborers and freight, stock, and material movers, hand		83.058	475,886	
885	Garage and service station related occupations	270,227			
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		24.031	64,938	
	761 Helpers--installation, maintenance, and repair workers		0.775	2,095	
	936 Service station attendants		75.194	203,194	
887	Vehicle washers and equipment cleaners	232,516			
	422 Janitors and building cleaners		9.697	22,547	
	961 Cleaners of vehicles and equipment		90.303	209,969	3
888	Hand packers and packagers	368,341			
	496 Sales and related workers, all other		4.762	17,540	
	781 Butchers and other meat, poultry, and fish processing workers		7.937	29,233	
	896 Production workers, all other		4.762	17,540	
	962 Laborers and freight, stock, and material movers, hand		3.968	14,617	
	964 Packers and packagers, hand		78.571	289,411	
889	Laborers, except construction	1,291,166			
	422 Janitors and building cleaners		3.283	42,387	
	425 Grounds maintenance workers		1.010	13,042	
	535 Order clerks		1.515	19,563	
	562 Stock clerks and order fillers		6.818	88,034	
	604 Graders and sorters, agricultural products		0.253	3,261	
	605 Miscellaneous agricultural workers		2.525	32,605	
	610 Fishers and related fishing workers		0.253	3,261	
	612 Forest and conservation workers		0.505	6,521	
	674 Rail-track laying and maintenance equipment operators		0.758	9,782	

**Table 2. 1990 Census Occupation Classification System and
Its Redistribution into the Census 2000 Occupation Classification System**

1990 Census Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
675	Septic tank servicers and sewer pipe cleaners		1.515	19,563	
692	Roustabouts, oil and gas		0.253	3,261	
693	Helpers--extraction workers		0.253	3,261	
694	Other extraction workers		0.505	6,521	
734	Maintenance and repair workers, general		0.253	3,261	
761	Helpers--installation, maintenance, and repair workers		0.505	6,521	
781	Butchers and other meat, poultry, and fish processing workers		1.263	16,303	
785	Food cooking machine operators and tenders		0.505	6,521	
810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.010	13,042	
830	Laundry and dry-cleaning workers		0.505	6,521	
846	Textile, apparel, and furnishings workers, all other		1.263	16,303	
871	Cutting workers		0.505	6,521	
886	Cleaning, washing, and metal pickling equipment operators and tenders		0.253	3,261	
895	Helpers--production workers		3.788	48,908	
896	Production workers, all other		22.222	286,926	
926	Subway, streetcar, and other rail transportation workers		1.010	13,042	
936	Service station attendants		0.253	3,261	
961	Cleaners of vehicles and equipment		2.525	32,605	
962	Laborers and freight, stock, and material movers, hand		40.657	524,944	
963	Machine feeders and offbearers		0.505	6,521	
964	Packers and packagers, hand		0.758	9,782	
972	Refuse and recyclable material collectors		2.020	26,084	
975	Material moving workers, all other		0.758	9,782	
	Unemployed, not classified by occupation	999,951			
	Unemployed, not classified by occupation		100.000	999,951	1
(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was a military specific occupation, or who never worked.)					
The following Military Specific Occupation categories are not part of the Civilian Labor Force					
903	Commissioned officers and warrant officers				
	980 Military officer special and tactical operations leaders/managers		100.000		1
904	Non-commissioned officers and other enlisted personnel				
	981 First-line enlisted military supervisors/managers		NA		
	982 Military enlisted tactical operations and air/weapons specialists and crew members		NA		
905	Military occupation, rank not specified				
	983 Military, rank not specified		100.000		1

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups					
<i>Note: the conversion factors and numbers shown in this table are different from and replace the preliminary counterparts previously published. For an explanation of the changes, see the text of the accompanying Technical Report.</i>					
1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Code Ranges and Categories					
Total Employed			115,681,202		115,681,202
003-037	Executive, administrative, and managerial occupations		14,227,916		
	001-016, 022-043	Management occupations, except farmers and farm managers		55.801	7,939,298
	050-073	Business operations specialists		12.332	1,754,594
	080-095	Financial specialists		15.216	2,164,883
	100-124	Computer and mathematical occupations		0.537	76,403
	130-153	Architects, surveyors, cartographers, and engineers		0.054	7,616
	160-196	Life, physical, and social science occupations		0.018	2,612
	200-206	Community and social services occupations		0.365	51,931
	210-215	Legal occupations		0.164	23,384
	220-255	Education, training, and library occupations		0.321	45,696
	260-296	Arts, design, entertainment, sports, and media occupations		0.375	53,312
	300-326, 354	Health diagnosing and treating practitioners and technical occupations		0.167	23,732
	370-372, 374-386	Fire fighting, prevention, and law enforcement workers, including supervisors		0.223	31,752
	373, 390-395	Other protective service workers, including supervisors		0.208	29,539
	400-416	Food preparation and serving related occupations		1.996	284,001
	420-425	Building and grounds cleaning and maintenance occupations		0.268	38,080
	430-465	Personal care and service occupations		1.027	146,176
	470-496	Sales and related occupations		1.783	253,744
	500-593	Office and administrative support occupations		6.434	915,402
	600-613	Farming, fishing, and forestry occupations		0.278	39,600
	621-676	Construction trades workers		0.539	76,657
	700-762	Installation, maintenance, and repair occupations		0.696	99,008
	770-896	Production occupations		0.037	5,280
	900	Supervisors, transportation and material moving workers		0.964	137,088
	903-904	Aircraft and traffic control occupations		0.161	22,848
	920-942	Rail, water and other transportation occupations		0.037	5,280
043-199	Professional specialty occupations		16,305,666		
	001-016, 022-043	Management occupations, except farmers and farm managers		0.520	84,867
	020, 021	Farmers and farm managers		0.006	916
	050-073	Business operations specialists		0.210	34,219
	100-124	Computer and mathematical occupations		4.981	812,202

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

1990 Census Code Ranges and Categories		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Code Ranges and Categories				
	130-153	Architects, surveyors, cartographers, and engineers	10.430	1,700,669
	154-156	Drafters, engineering, and mapping technicians	0.001	240
	160-196	Life, physical, and social science occupations	4.549	741,714
	200-206	Community and social services occupations	8.170	1,332,213
	210-215	Legal occupations	4.732	771,594
	220-255	Education, training, and library occupations	32.850	5,356,459
	260-296	Arts, design, entertainment, sports, and media occupations	12.125	1,977,007
	300-326, 354	Health diagnosing and treating practitioners and technical occupations	20.144	3,284,675
	330-353	Health technologists and technicians	0.180	29,322
	360-365	Healthcare support occupations	0.268	43,720
	430-465	Personal care and service occupations	0.719	117,208
	470-496	Sales and related occupations	0.011	1,799
	500-593	Office and administrative support occupations	0.007	1,199
	600-613	Farming, fishing, and forestry occupations	0.009	1,526
	700-762	Installation, maintenance, and repair occupations	0.024	3,884
	770-896	Production occupations	0.054	8,845
	920-942	Rail, water and other transportation occupations	0.009	1,388
203-235	Technicians and related support occupations		4,257,235	
	100-124	Computer and mathematical occupations	15.829	673,870
	130-153	Architects, surveyors, cartographers, and engineers	1.038	44,184
	154-156	Drafters, engineering, and mapping technicians	23.234	989,109
	160-196	Life, physical, and social science occupations	11.880	505,740
	200-206	Community and social services occupations	0.042	1,768
	210-215	Legal occupations	5.796	246,771
	220-255	Education, training, and library occupations	0.477	20,325
	260-296	Arts, design, entertainment, sports, and media occupations	3.992	169,949
	300-326, 354	Health diagnosing and treating practitioners and technical occupations	0.774	32,960
	330-353	Health technologists and technicians	28.726	1,222,923
	360-365	Healthcare support occupations	3.429	145,964
	500-593	Office and administrative support occupations	0.178	7,580
	700-762	Installation, maintenance, and repair occupations	0.192	8,185
	770-896	Production occupations	0.842	35,866
	903-904	Aircraft and traffic control occupations	3.571	152,041
243-285	Sales occupations		13,634,686	
	001-016, 022-043	Management occupations, except farmers and farm managers	1.235	168,368
	050-073	Business operations specialists	1.220	166,360
	080-095	Financial specialists	1.387	189,176

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Code Ranges and Categories				
	220-255	Education, training, and library occupations		0.064	8,668
	260-296	Arts, design, entertainment, sports, and media occupations		0.009	1,295
	330-353	Health technologists and technicians		0.031	4,202
	360-365	Healthcare support occupations		0.629	85,725
	400-416	Food preparation and serving related occupations		0.534	72,877
	470-496	Sales and related occupations		91.311	12,449,981
	500-593	Office and administrative support occupations		1.830	249,486
	770-896	Production occupations		0.961	131,068
	900	Supervisors, transportation and material moving workers		0.505	68,878
	911-915	Motor vehicle operators		0.283	38,602
303-389	Administrative support occupations, including clerical		18,826,477		
	050-073	Business operations specialists		1.482	279,057
	080-095	Financial specialists		0.053	10,012
	100-124	Computer and mathematical occupations		0.007	1,294
	200-206	Community and social services occupations		0.003	602
	210-215	Legal occupations		0.287	54,076
	220-255	Education, training, and library occupations		1.670	314,355
	260-296	Arts, design, entertainment, sports, and media occupations		0.016	3,063
	330-353	Health technologists and technicians		0.422	79,471
	360-365	Healthcare support occupations		0.200	37,680
	373, 390-395	Other protective service workers, including supervisors		0.015	2,770
	400-416	Food preparation and serving related occupations		0.034	6,445
	470-496	Sales and related occupations		0.771	145,094
	500-593	Office and administrative support occupations		94.649	17,819,140
	770-896	Production occupations		0.220	41,512
	920-942	Rail, water and other transportation occupations		0.007	1,278
	950-975	Material moving workers		0.163	30,628
403-407	Private household occupations		521,154		
	400-416	Food preparation and serving related occupations		2.962	15,436
	420-425	Building and grounds cleaning and maintenance occupations		59.336	309,230
	430-465	Personal care and service occupations		37.182	193,778
	500-593	Office and administrative support occupations		0.208	1,083
	770-896	Production occupations		0.312	1,627
413-427	Protective service occupations		1,992,852		
	080-095	Financial specialists		0.136	2,701
	370-372, 374-386	Fire fighting, prevention, and law enforcement workers, including supervisors		58.301	1,161,860
	373, 390-395	Other protective service workers, including supervisors		40.919	815,447

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

1990 Census Code Ranges and Categories		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Code Ranges and Categories			
	430-465 Personal care and service occupations		0.645	12,844
433-469	Service occupations, except protective and household	12,781,911		
	001-016, 022-043 Management occupations, except farmers and farm managers		0.009	1,118
	200-206 Community and social services occupations		0.310	39,586
	220-255 Education, training, and library occupations		0.698	89,230
	260-296 Arts, design, entertainment, sports, and media occupations		0.017	2,236
	300-326, 354 Health diagnosing and treating practitioners and technical occupations		0.321	41,051
	330-353 Health technologists and technicians		1.548	197,814
	360-365 Healthcare support occupations		12.917	1,650,986
	373, 390-395 Other protective service workers, including supervisors		0.018	2,311
	400-416 Food preparation and serving related occupations		40.627	5,192,866
	420-425 Building and grounds cleaning and maintenance occupations		23.193	2,964,502
	430-465 Personal care and service occupations		18.363	2,347,103
	470-496 Sales and related occupations		0.044	5,569
	500-593 Office and administrative support occupations		0.023	2,940
	700-762 Installation, maintenance, and repair occupations		0.102	12,998
	770-896 Production occupations		0.423	54,076
	911-915 Motor vehicle operators		0.013	1,693
	950-975 Material moving workers		1.376	175,835
473-499	Farming, forestry, and fishing occupations	2,839,010		
	020, 021 Farmers and farm managers		27.031	767,404
	160-196 Life, physical, and social science occupations		0.173	4,909
	260-296 Arts, design, entertainment, sports, and media occupations		0.027	762
	360-365 Healthcare support occupations		0.812	23,063
	420-425 Building and grounds cleaning and maintenance occupations		23.847	677,026
	430-465 Personal care and service occupations		3.819	108,423
	600-613 Farming, fishing, and forestry occupations		43.959	1,247,988
	770-896 Production occupations		0.076	2,149
	920-942 Rail, water and other transportation occupations		0.074	2,105
	950-975 Material moving workers		0.183	5,182
503-699	Precision production, craft, and repair occupations	13,097,963		
	050-073 Business operations specialists		0.007	972
	260-296 Arts, design, entertainment, sports, and media occupations		0.082	10,724
	330-353 Health technologists and technicians		0.389	50,941
	420-425 Building and grounds cleaning and maintenance occupations		0.008	1,104

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Code Ranges and Categories				
	500-593	Office and administrative support occupations		1.465	191,944
	620	Supervisors, construction and extraction workers		6.006	786,687
	621-676	Construction trades workers		30.609	4,009,118
	680-694	Extraction workers		1.091	142,841
	700-762	Installation, maintenance, and repair occupations		32.185	4,215,570
	770-896	Production occupations		26.747	3,503,262
	900	Supervisors, transportation and material moving workers		1.078	141,133
	920-942	Rail, water and other transportation occupations		0.199	26,097
	950-975	Material moving workers		0.134	17,571
703-799	Machine operators, assemblers, and inspectors		7,904,197		
	260-296	Arts, design, entertainment, sports, and media occupations		0.091	7,188
	430-465	Personal care and service occupations		0.123	9,689
	500-593	Office and administrative support occupations		0.061	4,792
	600-613	Farming, fishing, and forestry occupations		0.453	35,845
	621-676	Construction trades workers		0.175	13,793
	700-762	Installation, maintenance, and repair occupations		0.559	44,192
	770-896	Production occupations		97.558	7,711,193
	920-942	Rail, water and other transportation occupations		0.185	14,594
	950-975	Material moving workers		0.796	62,911
803-859	Transportation and material moving occupations		4,729,001		
	373, 390-395	Other protective service workers, including supervisors		0.017	823
	600-613	Farming, fishing, and forestry occupations		0.797	37,669
	621-676	Construction trades workers		6.168	291,687
	680-694	Extraction workers		0.300	14,192
	700-762	Installation, maintenance, and repair occupations		1.149	54,332
	770-896	Production occupations		0.052	2,468
	900	Supervisors, transportation and material moving workers		2.070	97,899
	911-915	Motor vehicle operators		71.391	3,376,064
	920-942	Rail, water and other transportation occupations		4.697	222,121
	950-975	Material moving workers		13.359	631,746
864-889	Handlers, equipment cleaners, helpers, and laborers		4,563,134		
	154-156	Drafters, engineering, and mapping technicians		0.078	3,565
	373, 390-395	Other protective service workers, including supervisors		1.544	70,436
	420-425	Building and grounds cleaning and maintenance occupations		1.496	68,279
	470-496	Sales and related occupations		0.332	15,148
	500-593	Office and administrative support occupations		14.262	650,788
	600-613	Farming, fishing, and forestry occupations		0.972	44,373
	621-676	Construction trades workers		21.056	960,833
	680-694	Extraction workers		0.551	25,164

**Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Code Ranges and Categories				
	700-762	Installation, maintenance, and repair occupations		1.972	90,004
	770-896	Production occupations		10.903	497,539
	900	Supervisors, transportation and material moving workers		0.326	14,870
	920-942	Rail, water and other transportation occupations		4.534	206,873
	950-975	Material moving workers		41.973	1,915,261

**Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups**

Table 6. 1990 Census STF-3 Industry Groups and Their Redistribution into the Census 2000 SF-3 Industry Groups					
<i>Note: the adjustment factors and numbers shown in this table are different from and replace the preliminary counterparts previously published. For an explanation of the changes, see the text of the accompanying Technical Report.</i>					
1990 Census Code Ranges and Categories			Number	Percent of	1990 Redist
Census 2000 Code Ranges and Categories			Employed	1990 Group	to 2000
Total Employed			115,681,202		115,681,202
010-032	Agriculture, forestry, & fisheries		3,115,372		
	017-029	Agriculture, forestry, fishing & hunting		74.059	2,307,215
	107-399	Manufacturing		0.079	2,451
	727-749	Professional, scientific, & technical services		5.784	180,203
	758-779	Administrative, support & waste management services		19.043	593,270
	877-929	Other services (except public administration)		0.917	28,556
	937-959	Public administration		0.118	3,677
040-050	Mining		723,423		
	037-049	Mining		99.262	718,087
	727-749	Professional, scientific, & technical services		0.369	2,668
	757	Management of companies & enterprises		0.369	2,668
060	Construction		7,214,763		
	077	Construction		95.975	6,924,386
	107-399	Manufacturing		0.310	22,337
	727-749	Professional, scientific, & technical services		1.548	111,684
	758-779	Administrative, support & waste management services		2.167	156,357
100-222	Manufacturing, nondurable goods		8,053,234		
	017-029	Agriculture, forestry, fishing & hunting		0.057	4,598
	037-049	Mining		0.028	2,243
	107-399	Manufacturing		88.005	7,087,216
	647-679	Information		11.910	959,176
230-392	Manufacturing, durable goods		12,408,844		
	017-029	Agriculture, forestry, fishing & hunting		1.105	137,082
	107-399	Manufacturing		98.719	12,249,915
	856-859	Arts, entertainment, & recreation		0.012	1,524
	727-749	Professional, scientific, & technical services		0.083	10,265
	877-929	Other services (except public administration)		0.081	10,058
400-432	Transportation		5,108,003		
	107-399	Manufacturing		0.226	11,557
	607-639	Transportation & warehousing		90.735	4,634,727
	707-719	Real estate, & rental & leasing		0.474	24,194
	856-859	Arts, entertainment, & recreation		0.262	13,381
	797-847	Health care & social assistance		1.002	51,200
	758-779	Administrative, support & waste management services		7.227	369,151

**Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Code Ranges and Categories					
	937-959	Public administration		0.074	3,793
440-472	Communications & other public utilities		3,097,059		
	077	Construction		1.205	37,309
	607-639	Transportation & warehousing		1.532	47,458
	057-069	Utilities		41.603	1,288,454
	647-679	Information		50.313	1,558,209
	687-699	Finance & insurance		0.265	8,207
	758-779	Administrative, support & waste management services		4.530	140,294
	937-959	Public administration		0.553	17,126
500-571	Wholesale trade		5,071,026		
	017-029	Agriculture, forestry, fishing & hunting		0.042	2,136
	077	Construction		0.730	37,025
	107-399	Manufacturing		0.233	11,805
	407-459	Wholesale trade		98.444	4,992,139
	467-579	Retail trade		0.463	23,492
	727-749	Professional, scientific, & technical services		0.087	4,430
580-691	Retail trade		19,485,666		
	077	Construction		0.066	12,922
	107-399	Manufacturing		1.521	296,418
	607-639	Transportation & warehousing		0.140	27,324
	407-459	Wholesale trade		0.096	18,763
	467-579	Retail trade		69.871	13,614,807
	687-699	Finance & insurance		0.100	19,518
	856-859	Arts, entertainment, & recreation		0.155	30,188
	866-869	Accommodation & food services		28.050	5,465,726
700-712	Finance, insurance & real estate		7,984,870		
	077	Construction		0.877	70,003
	687-699	Finance & insurance		73.646	5,880,556
	707-719	Real estate, & rental & leasing		22.094	1,764,153
	866-869	Accommodation & food services		0.250	20,001
	797-847	Health care & social assistance		0.376	30,001
	727-749	Professional, scientific, & technical services		1.135	90,620
	757	Management of companies & enterprises		0.051	4,081
	877-929	Other services (except public administration)		1.178	94,085
	937-959	Public administration		0.393	31,371
721-760	Business & repair services		5,577,462		
	017-029	Agriculture, forestry, fishing & hunting		0.104	5,818
	037-049	Mining		0.056	3,148

**Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Code Ranges and Categories					
	077	Construction		0.778	43,393
	107-399	Manufacturing		0.852	47,507
	607-639	Transportation & warehousing		1.755	97,904
	647-679	Information		5.774	322,028
	467-579	Retail trade		0.616	34,332
	687-699	Finance & insurance		0.452	25,183
	707-719	Real estate, & rental & leasing		4.131	230,406
	856-859	Arts, entertainment, & recreation		0.536	29,907
	797-847	Health care & social assistance		0.357	19,928
	727-749	Professional, scientific, & technical services		20.625	1,150,379
	758-779	Administrative, support & waste management services		36.796	2,052,286
	877-929	Other services (except public administration)		27.167	1,515,242
761-791	Personal services		3,668,696		
	107-399	Manufacturing		0.279	10,228
	707-719	Real estate, & rental & leasing		1.328	48,734
	856-859	Arts, entertainment, & recreation		1.265	46,391
	866-869	Accommodation & food services		34.025	1,248,289
	797-847	Health care & social assistance		0.507	18,595
	786-789	Educational services		0.849	31,143
	727-749	Professional, scientific, & technical services		5.501	201,802
	758-779	Administrative, support & waste management services		2.133	78,235
	877-929	Other services (except public administration)		54.114	1,985,278
800-810	Entertainment & recreation services		1,636,460		
	107-399	Manufacturing		0.151	2,475
	647-679	Information		18.303	299,524
	707-719	Real estate, & rental & leasing		7.440	121,756
	856-859	Arts, entertainment, & recreation		68.013	1,113,007
	866-869	Accommodation & food services		2.285	37,386
	786-789	Educational services		2.285	37,386
	758-779	Administrative, support & waste management services		0.254	4,154
	877-929	Other services (except public administration)		1.015	16,616
	937-959	Public administration		0.254	4,154
812-840	Health services		9,682,684		
	107-399	Manufacturing		0.737	71,315
	797-847	Health care & social assistance		98.822	9,568,581
	937-959	Public administration		0.442	42,789
842-860	Educational services		9,633,503		
	607-639	Transportation & warehousing		0.313	30,158

**Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups**

1990 Census Code Ranges and Categories			Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Code Ranges and Categories				
	647-679	Information		2.216	213,486
	866-869	Accommodation & food services		0.626	60,317
	797-847	Health care & social assistance		0.113	10,896
	786-789	Educational services		96.709	9,316,467
	877-929	Other services (except public administration)		0.023	2,179
841,861-893	Other professional & related services		7,682,060		
	856-859	Arts, entertainment, & recreation		4.227	324,718
	797-847	Health care & social assistance		25.954	1,993,776
	786-789	Educational services		0.144	11,030
	727-749	Professional, scientific, & technical services		49.509	3,803,321
	757	Management of companies & enterprises		0.052	3,975
	758-779	Administrative, support & waste management services		0.382	29,344
	877-929	Other services (except public administration)		18.387	1,412,510
	937-959	Public administration		1.346	103,387
900-932	Public administration		5,538,077		
	607-639	Transportation & warehousing		0.240	13,311
	797-847	Health care & social assistance		0.807	44,687
	758-779	Administrative, support & waste management services		0.179	9,930
	877-929	Other services (except public administration)		0.309	17,091
	937-959	Public administration		98.465	5,453,057

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

Table 5. 1990 STF-4 Occupation Groups and Their Redistribution into the Census 2000 SF-4 Occupation Groups				
1990 Categories and Codes			Number	Percent of
Census 2000 Categories and Codes			Employed	1990 Group
Total Employed			115,681,202	115,681,202
Officials and administrators, public administration (001-006)			578,334	
001-003	Top executives			8.694
012	Financial managers			4.516
010-011, 013-016	Operations specialties managers, except financial managers			6.322
022-043	Other management occupations, except farmers and farm managers			45.260
050-073	Business operations specialists			6.281
081-095	Other financial specialists			7.677
120-124	Mathematical science occupations			4.967
160-176	Life and physical scientists			0.452
200-202	Counselors, social workers, and other community and social service specialists			1.806
211	Judges, magistrates, and other judicial workers			2.336
214-215	Legal support workers			0.452
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations			0.452
372, 374-375	Fire fighting and prevention workers, including supervisors			1.411
370, 371, 380-386	Law enforcement workers, including supervisors			3.509
373, 390-395	Other protective service workers, including supervisors			2.254
520-523, 525-542	Information and record clerks, except customer service representatives			3.612
Financial managers (007)			621,472	
012	Financial managers		100.000	621,472
Managers, marketing, advertising, and public relations (013)			591,778	
004-006	Advertising, marketing, promotions, public relations, and sales managers			95.794
470-471, 490-496	Other sales and related occupations, including supervisors			4.206
Administrators, education and related fields (014)			613,450	
001-003	Top executives			1.031
022-043	Other management occupations, except farmers and farm managers			96.392
050-073	Business operations specialists			1.031
081-095	Other financial specialists			1.546
Other specified managers and administrators (008-012,015-021)			2,472,958	
001-003	Top executives			2.173
004-006	Advertising, marketing, promotions, public relations, and sales managers			0.282
010-011, 013-016	Operations specialties managers, except financial managers			15.761
022-043	Other management occupations, except farmers and farm managers			64.465
050-073	Business operations specialists			1.397
200-202	Counselors, social workers, and other community and social service specialists			1.035
211	Judges, magistrates, and other judicial workers			0.180
400-401, 413-416	Other food preparation and serving workers, including supervisors			11.484
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers			1.599
470-471, 490-496	Other sales and related occupations, including supervisors			1.230
570	Secretaries and administrative assistants			0.393
Managers and administrators n.e.c. (022): Salaried (022 and not SE)			4,841,656	
001-003	Top executives			17.105
004-006	Advertising, marketing, promotions, public relations, and sales managers			1.608
012	Financial managers			1.170
010-011, 013-016	Operations specialties managers, except financial managers			8.772
022-043	Other management occupations, except farmers and farm managers			39.035
050-073	Business operations specialists			3.216
100-111	Computer specialists			0.877
130-131	Architects, surveyors, and cartographers			0.146
200-202	Counselors, social workers, and other community and social service specialists			0.292

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
240-244	Librarians, curators, and archivists		0.877	42,471
260-263	Art and design workers		0.146	7,078
270-276	Entertainers and performers, sports, and related workers		0.877	42,471
420-425	Building and grounds cleaning and maintenance occupations		0.731	35,392
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.047	99,098
470-471, 490-496	Other sales and related occupations, including supervisors		3.363	162,804
570	Secretaries and administrative assistants		3.947	191,118
500, 580-593	Other office and administrative support workers, including supervisors		10.819	523,805
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.901	92,020
900	Supervisors, transportation, and material moving workers		2.632	127,412
903-904	Aircraft and traffic control occupations		0.439	21,235
Managers and administrators n.e.c. (022): Self-employed (022 and SE)		367,693		
001-003	Top executives		17.105	62,895
004-006	Advertising, marketing, promotions, public relations, and sales managers		1.608	5,913
012	Financial managers		1.170	4,301
010-011, 013-016	Operations specialties managers, except financial managers		8.772	32,254
022-043	Other management occupations, except farmers and farm managers		39.035	143,529
050-073	Business operations specialists		3.216	11,826
100-111	Computer specialists		0.877	3,225
130-131	Architects, surveyors, and cartographers		0.146	538
200-202	Counselors, social workers, and other community and social service specialists		0.292	1,075
240-244	Librarians, curators, and archivists		0.877	3,225
260-263	Art and design workers		0.146	538
270-276	Entertainers and performers, sports, and related workers		0.877	3,225
420-425	Building and grounds cleaning and maintenance occupations		0.731	2,688
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.047	7,526
470-471, 490-496	Other sales and related occupations, including supervisors		3.363	12,364
570	Secretaries and administrative assistants		3.947	14,514
500, 580-593	Other office and administrative support workers, including supervisors		10.819	39,780
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.901	6,988
900	Supervisors, transportation, and material moving workers		2.632	9,676
903-904	Aircraft and traffic control occupations		0.439	1,613
Accountants and auditors (023)		1,554,216		
012	Financial managers		3.488	54,217
080	Accountants and auditors		93.605	1,454,818
081-095	Other financial specialists		2.907	45,181
Other management related (024-042)		2,586,359		
012	Financial managers		4.410	114,046
010-011, 013-016	Operations specialties managers, except financial managers		1.445	37,365
022-043	Other management occupations, except farmers and farm managers		0.080	2,075
050-073	Business operations specialists		58.377	1,509,843
081-095	Other financial specialists		23.624	611,002
100-111	Computer specialists		0.077	1,980
200-202	Counselors, social workers, and other community and social service specialists		0.026	660
211	Judges, magistrates, and other judicial workers		0.108	2,801
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.817	21,120
370, 371, 380-386	Law enforcement workers, including supervisors		0.128	3,300
373, 390-395	Other protective service workers, including supervisors		0.638	16,500
480-485	Sales representatives, services, wholesale and manufacturing		0.900	23,266
570	Secretaries and administrative assistants		3.575	92,467

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
500, 580-593	Other office and administrative support workers, including supervisors		0.894	23,117
600-605	Agricultural workers, including supervisors		1.531	39,600
660-676	Other construction workers and helpers		2.964	76,657
770, 864-896	Other production occupations, including supervisors		0.204	5,280
912	Bus drivers		0.204	5,280
Engineers (044-062)		1,672,559		
022-043	Other management occupations, except farmers and farm managers		1.674	28,006
050-073	Business operations specialists		0.010	175
100-111	Computer specialists		5.879	98,335
132-153	Engineers		91.093	1,523,582
190-196	Life, physical, and social science technicians		0.057	952
280-296	Media and communications workers		1.080	18,062
306	Physicians and surgeons		0.011	178
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.112	1,881
920-933	Rail and water transportation workers		0.083	1,388
Architects and surveyors (043,063)		164,131		
130-131	Architects, surveyors, and cartographers		99.853	163,891
154-156	Drafters, engineering, and mapping technicians		0.147	240
Mathematical and computer scientists (064-068)		764,226		
010-011, 013-016	Operations specialties managers, except financial managers		0.720	5,505
050-073	Business operations specialists		4.219	32,244
100-111	Computer specialists		70.757	540,747
120-124	Mathematical science occupations		22.653	173,119
132-153	Engineers		1.650	12,611
Natural scientists (069-083)		400,060		
020-021	Farmers and farm managers		0.229	916
130-131	Architects, surveyors, and cartographers		0.071	284
132-153	Engineers		0.075	301
160-176	Life and physical scientists		98.583	394,393
180-186	Social scientists and related workers		0.171	683
190-196	Life, physical, and social science technicians		0.489	1,957
600-605	Agricultural workers, including supervisors		0.381	1,526
Physicians (084)		583,626		
306	Physicians and surgeons		97.345	568,132
330-353	Health technologists and technicians		2.655	15,494
Other health diagnosing (085-094)		285,917		
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		100.000	285,917
Registered nurses (095)		1,862,664		
313	Registered nurses		97.959	1,824,650
360	Nursing, psychiatric, and home health aides		2.041	38,014
Other health assessment and treating (096-112)		619,889		
022-043	Other management occupations, except farmers and farm managers		0.329	2,040
200-202	Counselors, social workers, and other community and social service specialists		0.886	5,492
314-324	Therapists		51.723	320,628
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		44.055	273,094
330-353	Health technologists and technicians		2.086	12,928
363-365	Other healthcare support occupations		0.920	5,706
Teachers, postsecondary (113-154)		772,291		
220	Postsecondary teachers		94.246	727,855
234, 254-255	Other teachers, instructors, education, training, and library occupations		5.718	44,162

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
270-276	Entertainers and performers, sports, and related workers		0.035	274
Teachers, elementary and secondary (155-157)		3,861,446		
230-231	Teachers, preschool, kindergarten, elementary, and middle school		85.837	3,314,536
232	Teachers, secondary school		12.134	468,541
233	Teachers, special education		0.521	20,103
234, 254-255	Other teachers, instructors, education, training, and library occupations		0.933	36,042
270-276	Entertainers and performers, sports, and related workers		0.576	22,224
Other teachers, except postsecondary (158-162)		621,796		
200-202	Counselors, social workers, and other community and social service specialists		1.484	9,225
220	Postsecondary teachers		26.375	163,998
230-231	Teachers, preschool, kindergarten, elementary, and middle school		1.648	10,250
232	Teachers, secondary school		3.132	19,475
233	Teachers, special education		8.129	50,547
234, 254-255	Other teachers, instructors, education, training, and library occupations		43.242	268,877
270-276	Entertainers and performers, sports, and related workers		6.594	41,000
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		9.396	58,424
Librarians and counselors (163-165)		458,058		
200-202	Counselors, social workers, and other community and social service specialists		51.058	233,874
240-244	Librarians, curators, and archivists		48.942	224,184
Social scientists and urban planners (166-173)		376,520		
180-186	Social scientists and related workers		91.211	343,428
190-196	Life, physical, and social science technicians		0.080	301
200-202	Counselors, social workers, and other community and social service specialists		8.709	32,791
Social, recreation, and religious workers (174-177)		1,106,405		
022-043	Other management occupations, except farmers and farm managers		1.304	14,429
200-202	Counselors, social workers, and other community and social service specialists		57.149	632,297
204-206	Religious workers		37.828	418,534
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		3.719	41,145
Lawyers and judges (178-182)		771,594		
210	Lawyers		89.459	690,263
211	Judges, magistrates, and other judicial workers		5.063	39,070
214-215	Legal support workers		5.477	42,261
Writers, artists, entertainers, and athletes (183-201)		1,984,484		
004-006	Advertising, marketing, promotions, public relations, and sales managers		1.758	34,886
050-073	Business operations specialists		0.091	1,799
220	Postsecondary teachers		0.159	3,155
234, 254-255	Other teachers, instructors, education, training, and library occupations		0.239	4,733
260-263	Art and design workers		39.555	784,956
270-276	Entertainers and performers, sports, and related workers		16.705	331,503
280-296	Media and communications workers		39.254	778,989
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.514	10,196
330-353	Health technologists and technicians		0.045	899
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		0.889	17,639
480-485	Sales representatives, services, wholesale and manufacturing		0.091	1,799
500, 580-593	Other office and administrative support workers, including supervisors		0.060	1,199
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.196	3,884
771-775	Assemblers and fabricators		0.122	2,420
823-826	Printing workers		0.229	4,540
770, 864-896	Other production occupations, including supervisors		0.095	1,886
Health technologists and technicians, except LPN (203-206,208-212)		977,785		
190-196	Life, physical, and social science technicians		0.543	5,305

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
200-202	Counselors, social workers, and other community and social service specialists		0.181	1,768
220	Postsecondary teachers		0.362	3,537
314-324	Therapists		0.477	4,668
300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		2.894	28,293
330-353	Health technologists and technicians		79.893	781,178
361-362	Occupational and physical therapist assistants and aides		0.543	5,305
363-365	Other healthcare support occupations		14.385	140,659
770, 864-896	Other production occupations, including supervisors		0.723	7,073
Licensed Practical Nurses (207)		419,404		
330-353	Health technologists and technicians		100.000	419,404
Engineering and science technicians (213-225)		1,262,325		
100-111	Computer specialists		2.161	27,284
130-131	Architects, surveyors, and cartographers		3.500	44,184
154-156	Drafters, engineering, and mapping technicians		76.361	963,927
160-176	Life and physical scientists		0.254	3,209
190-196	Life, physical, and social science technicians		13.456	169,859
260-263	Art and design workers		0.777	9,814
280-296	Media and communications workers		2.401	30,310
330-353	Health technologists and technicians		0.440	5,553
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.648	8,185
Technicians, except health, engineering, and science (226-242)		1,597,721		
100-111	Computer specialists		40.469	646,586
154-156	Drafters, engineering, and mapping technicians		1.576	25,182
160-176	Life and physical scientists		0.525	8,394
180-186	Social scientists and related workers		1.051	16,788
190-196	Life, physical, and social science technicians		18.914	302,185
214-215	Legal support workers		15.445	246,771
240-244	Librarians, curators, and archivists		1.051	16,788
260-263	Art and design workers		3.678	58,758
280-296	Media and communications workers		4.448	71,067
330-353	Health technologists and technicians		1.051	16,788
501-503	Communications equipment operators		0.075	1,200
550-563	Material recording, scheduling, dispatching, and distributing workers		0.188	3,000
500, 580-593	Other office and administrative support workers, including supervisors		0.212	3,380
790-822	Metal workers and plastic workers		0.226	3,611
770, 864-896	Other production occupations, including supervisors		1.576	25,182
903-904	Aircraft and traffic control occupations		9.516	152,041
Supervisors and proprietors, sales, salaried (243-252 and not SE)		2,949,055		
012	Financial managers		1.142	33,665
022-043	Other management occupations, except farmers and farm managers		3.881	114,461
050-073	Business operations specialists		1.598	47,131
400-401, 413-416	Other food preparation and serving workers, including supervisors		0.228	6,733
474-476	Retail sales workers, except cashiers		5.251	154,859
480-485	Sales representatives, services, wholesale and manufacturing		4.110	121,194
470-471, 490-496	Other sales and related occupations, including supervisors		71.233	2,100,697
500, 580-593	Other office and administrative support workers, including supervisors		6.621	195,257
780-785	Food processing workers		0.228	6,733
770, 864-896	Other production occupations, including supervisors		3.196	94,262
900	Supervisors, transportation, and material moving workers		2.055	60,597
911, 914-915	Motor vehicle operators, except bus and truck drivers		0.457	13,466
Supervisors and proprietors, sales, self-employed (243-252 and SE)		402,999		

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
012	Financial managers		1.142	4,600
022-043	Other management occupations, except farmers and farm managers		3.881	15,642
050-073	Business operations specialists		1.598	6,441
400-401, 413-416	Other food preparation and serving workers, including supervisors		0.228	920
474-476	Retail sales workers, except cashiers		5.251	21,162
480-485	Sales representatives, services, wholesale and manufacturing		4.110	16,562
470-471, 490-496	Other sales and related occupations, including supervisors		71.233	287,068
500, 580-593	Other office and administrative support workers, including supervisors		6.621	26,683
780-785	Food processing workers		0.228	920
770, 864-896	Other production occupations, including supervisors		3.196	12,881
900	Supervisors, transportation, and material moving workers		2.055	8,281
911, 914-915	Motor vehicle operators, except bus and truck drivers		0.457	1,840
Real estate sales (254)		785,068		
081-095	Other financial specialists		11.454	89,920
470-471, 490-496	Other sales and related occupations, including supervisors		88.546	695,148
Other finance and business services sales (253,255-257)		1,631,810		
050-073	Business operations specialists		5.476	89,359
081-095	Other financial specialists		6.083	99,257
220	Postsecondary teachers		0.531	8,668
474-476	Retail sales workers, except cashiers		0.450	7,346
480-485	Sales representatives, services, wholesale and manufacturing		81.721	1,333,531
470-471, 490-496	Other sales and related occupations, including supervisors		4.635	75,628
510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		0.354	5,778
524	Customer service representatives		0.750	12,243
Sales representatives, commodities, except retail (258-262)		1,524,690		
050-073	Business operations specialists		1.537	23,430
474-476	Retail sales workers, except cashiers		4.994	76,146
480-485	Sales representatives, services, wholesale and manufacturing		76.834	1,171,479
470-471, 490-496	Other sales and related occupations, including supervisors		16.251	247,778
911, 914-915	Motor vehicle operators, except bus and truck drivers		0.384	5,857
Cashiers (276)		2,533,639		
363-365	Other healthcare support occupations		3.383	85,725
472	Cashiers		75.940	1,924,042
474-476	Retail sales workers, except cashiers		20.301	514,348
510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		0.376	9,525
Other sales workers, retail and personal services (263-275,277-282)		3,740,026		
330-353	Health technologists and technicians		0.112	4,202
404-406, 412	Food and beverage serving workers, except waiters and waitresses		1.744	65,224
472	Cashiers		0.225	8,404
474-476	Retail sales workers, except cashiers		82.447	3,083,542
480-485	Sales representatives, services, wholesale and manufacturing		2.542	95,070
470-471, 490-496	Other sales and related occupations, including supervisors		12.046	450,520
770, 864-896	Other production occupations, including supervisors		0.418	15,624
911, 914-915	Motor vehicle operators, except bus and truck drivers		0.466	17,439
Sales related (283-302)		67,399		
260-263	Art and design workers		1.921	1,295
470-471, 490-496	Other sales and related occupations, including supervisors		97.119	65,457
770, 864-896	Other production occupations, including supervisors		0.960	647
Supervisors, administrative support (303-307)		901,030		
570	Secretaries and administrative assistants		3.333	30,034
500, 580-593	Other office and administrative support workers, including supervisors		95.858	863,710
770, 864-896	Other production occupations, including supervisors		0.809	7,286
Computer equipment operators (308-312)		640,982		

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
	500, 580-593 Other office and administrative support workers, including supervisors		100.000	640,982
Secretaries, stenographers, and typists (313-315)		4,582,070		
	214-215 Legal support workers		1.180	54,076
	363-365 Other healthcare support occupations		0.288	13,178
	570 Secretaries and administrative assistants		83.433	3,822,968
	500, 580-593 Other office and administrative support workers, including supervisors		15.099	691,848
Information clerks (316-324)		1,481,383		
	050-073 Business operations specialists		0.175	2,588
	100-111 Computer specialists		0.087	1,294
	472 Cashiers		0.324	4,796
	480-485 Sales representatives, services, wholesale and manufacturing		8.337	123,509
	470-471, 490-496 Other sales and related occupations, including supervisors		0.162	2,398
	520-523, 525-542 Information and record clerks, except customer service representatives		90.135	1,335,246
	524 Customer service representatives		0.611	9,058
	550-563 Material recording, scheduling, dispatching, and distributing workers		0.087	1,294
	500, 580-593 Other office and administrative support workers, including supervisors		0.081	1,199
Records processing, except financial (325-336)		835,636		
	050-073 Business operations specialists		0.107	894
	081-095 Other financial specialists		0.535	4,472
	240-244 Librarians, curators, and archivists		4.699	39,265
	510-511, 513-516 Financial clerks, except bookkeeping, accounting and auditing clerks		0.856	7,155
	520-523, 525-542 Information and record clerks, except customer service representatives		74.926	626,110
	524 Customer service representatives		12.139	101,438
	550-563 Material recording, scheduling, dispatching, and distributing workers		1.853	15,486
	570 Secretaries and administrative assistants		0.107	894
	500, 580-593 Other office and administrative support workers, including supervisors		4.777	39,921
Bookkeepers, accounting and auditing clerks (337)		1,854,588		
	510-511, 513-516 Financial clerks, except bookkeeping, accounting and auditing clerks		6.250	115,912
	512 Bookkeeping, accounting, and auditing clerks		92.917	1,723,221
	520-523, 525-542 Information and record clerks, except customer service representatives		0.833	15,455
Other financial records processing (338-344)		460,617		
	510-511, 513-516 Financial clerks, except bookkeeping, accounting and auditing clerks		95.079	437,949
	500, 580-593 Other office and administrative support workers, including supervisors		4.921	22,668
Mail and message distributing (354-358)		990,423		
	470-471, 490-496 Other sales and related occupations, including supervisors		0.174	1,724
	550-563 Material recording, scheduling, dispatching, and distributing workers		79.893	791,279
	500, 580-593 Other office and administrative support workers, including supervisors		19.933	197,420
Material recording, scheduling, and distributing clerks (359-374)		2,078,729		
	402-403 Cooks and food preparation workers		0.310	6,445
	510-511, 513-516 Financial clerks, except bookkeeping, accounting and auditing clerks		1.705	35,448
	520-523, 525-542 Information and record clerks, except customer service representatives		0.913	18,973
	524 Customer service representatives		8.179	170,016
	550-563 Material recording, scheduling, dispatching, and distributing workers		87.666	1,822,345
	500, 580-593 Other office and administrative support workers, including supervisors		0.906	18,842
	770, 864-896 Other production occupations, including supervisors		0.320	6,661
Adjusters and investigators (375-378)		1,103,125		
	050-073 Business operations specialists		24.981	275,575
	081-095 Other financial specialists		0.502	5,540
	200-202 Counselors, social workers, and other community and social service specialists		0.055	602
	373, 390-395 Other protective service workers, including supervisors		0.251	2,770
	480-485 Sales representatives, services, wholesale and manufacturing		0.093	1,023
	510-511, 513-516 Financial clerks, except bookkeeping, accounting and auditing clerks		14.052	155,016
	520-523, 525-542 Information and record clerks, except customer service representatives		11.791	130,068

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
524	Customer service representatives		37.919	418,294
500, 580-593	Other office and administrative support workers, including supervisors		10.356	114,237
Other administrative support (345-353,379-402)		3,897,894		
234, 254-255	Other teachers, instructors, education, training, and library occupations		7.057	275,090
280-296	Media and communications workers		0.079	3,063
330-353	Health technologists and technicians		2.039	79,471
363-365	Other healthcare support occupations		0.629	24,502
472	Cashiers		0.299	11,643
501-503	Communications equipment operators		6.034	235,209
510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		12.322	480,288
512	Bookkeeping, accounting, and auditing clerks		0.238	9,272
520-523, 525-542	Information and record clerks, except customer service representatives		4.462	173,935
524	Customer service representatives		0.079	3,063
550-563	Material recording, scheduling, dispatching, and distributing workers		0.120	4,693
500, 580-593	Other office and administrative support workers, including supervisors		65.117	2,538,196
770, 864-896	Other production occupations, including supervisors		0.707	27,565
920-933	Rail and water transportation workers		0.033	1,278
961-964	Laborers and material movers, hand		0.786	30,628
Private household (403-412)		521,154		
402-403	Cooks and food preparation workers		2.898	15,106
400-401, 413-416	Other food preparation and serving workers, including supervisors		0.063	331
420-425	Building and grounds cleaning and maintenance occupations		59.336	309,230
460	Child care workers		28.482	148,437
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		8.700	45,341
550-563	Material recording, scheduling, dispatching, and distributing workers		0.208	1,083
830-846	Textile, apparel, and furnishings workers		0.312	1,627
Police and firefighters (417-422)		732,609		
081-095	Other financial specialists		0.369	2,701
372, 374-375	Fire fighting and prevention workers, including supervisors		29.941	219,351
370, 371, 380-386	Law enforcement workers, including supervisors		69.690	510,557
Guards (425-432)		814,699		
370, 371, 380-386	Law enforcement workers, including supervisors		4.719	38,448
373, 390-395	Other protective service workers, including supervisors		93.704	763,407
460	Child care workers		0.153	1,244
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		1.424	11,600
Other protective service (413-416,423-424)		445,544		
372, 374-375	Fire fighting and prevention workers, including supervisors		9.431	42,021
370, 371, 380-386	Law enforcement workers, including supervisors		78.889	351,483
373, 390-395	Other protective service workers, including supervisors		11.680	52,040
Waiters and waitresses (435)		1,355,200		
411	Waiters and waitresses		99.524	1,348,747
404-406, 412	Food and beverage serving workers, except waiters and waitresses		0.476	6,453
Cooks (436-437)		1,860,082		
402-403	Cooks and food preparation workers		84.351	1,569,000
404-406, 412	Food and beverage serving workers, except waiters and waitresses		4.198	78,095
400-401, 413-416	Other food preparation and serving workers, including supervisors		8.779	163,290
780-785	Food processing workers		2.672	49,697
Other food service (433-434,438-444)		1,952,026		
402-403	Cooks and food preparation workers		18.519	361,499
411	Waiters and waitresses		4.983	97,262
404-406, 412	Food and beverage serving workers, except waiters and waitresses		34.104	665,724
400-401, 413-416	Other food preparation and serving workers, including supervisors		42.019	820,223
500, 580-593	Other office and administrative support workers, including supervisors		0.151	2,940

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
780-785	Food processing workers		0.224	4,380
Nursing aides, orderlies, and attendants (447)		1,729,748		
313	Registered nurses		1.639	28,357
330-353	Health technologists and technicians		10.164	175,810
360	Nursing, psychiatric, and home health aides		70.820	1,225,002
361-362	Occupational and physical therapist assistants and aides		0.328	5,671
363-365	Other healthcare support occupations		3.934	68,056
460	Child care workers		2.623	45,370
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		10.492	181,482
Other health service (445-446)		384,782		
200-202	Counselors, social workers, and other community and social service specialists		3.299	12,694
313	Registered nurses		0.220	846
314-324	Therapists		3.079	11,848
330-353	Health technologists and technicians		5.718	22,004
360	Nursing, psychiatric, and home health aides		2.639	10,156
361-362	Occupational and physical therapist assistants and aides		5.279	20,311
363-365	Other healthcare support occupations		74.267	285,765
404-406, 412	Food and beverage serving workers, except waiters and waitresses		5.059	19,465
934-942	Other transportation occupations		0.440	1,693
Cleaning and building service, except household (448-455)		3,127,932		
420-425	Building and grounds cleaning and maintenance occupations		93.417	2,922,019
453-455	Transportation, tourism, and lodging attendants		0.595	18,613
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.416	12,998
961-964	Laborers and material movers, hand		5.194	162,471
950-960, 965-975	Other material moving workers, except laborers		0.378	11,831
Barbers, hairdressers, and cosmetologists (457-458)		796,548		
220	Postsecondary teachers		1.785	14,215
450-452	Personal appearance workers		98.215	782,333
Child care workers (466-468)		934,372		
234, 254-255	Other teachers, instructors, education, training, and library occupations		8.028	75,015
460	Child care workers		89.537	836,611
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.434	22,746
Other personal service (456, 459-465, 469-472)		641,221		
022-043	Other management occupations, except farmers and farm managers		0.174	1,118
200-202	Counselors, social workers, and other community and social service specialists		4.194	26,891
280-296	Media and communications workers		0.349	2,236
363-365	Other healthcare support occupations		4.882	31,303
373, 390-395	Other protective service workers, including supervisors		0.360	2,311
360	Nursing, psychiatric, and home health aides		0.736	4,722
404-406, 412	Food and beverage serving workers, except waiters and waitresses		1.060	6,796
400-401, 413-416	Other food preparation and serving workers, including supervisors		8.782	56,313
420-425	Building and grounds cleaning and maintenance occupations		6.625	42,483
453-455	Transportation, tourism, and lodging attendants		27.719	177,738
460	Child care workers		2.954	18,940
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		41.057	263,269
474-476	Retail sales workers, except cashiers		0.360	2,311
470-471, 490-496	Other sales and related occupations, including supervisors		0.508	3,258
950-960, 965-975	Other material moving workers, except laborers		0.239	1,533
Farm operators and managers (473-476)		1,066,944		
020-021	Farmers and farm managers		68.732	733,334
260-263	Art and design workers		0.071	762
420-425	Building and grounds cleaning and maintenance occupations		3.896	41,568

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
600-605	Agricultural workers, including supervisors		27.300	291,280
Farm workers, except managers (477-484)		738,303		
020-021	Farmers and farm managers		4.365	32,230
420-425	Building and grounds cleaning and maintenance occupations		1.927	14,225
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		4.656	34,379
600-605	Agricultural workers, including supervisors		88.469	653,172
610-613	Fishing, hunting, and forestry occupations		0.291	2,149
850-855	Woodworkers		0.291	2,149
Groundskeepers and gardeners (486)		644,580		
420-425	Building and grounds cleaning and maintenance occupations		89.083	574,211
600-605	Agricultural workers, including supervisors		10.917	70,369
Other related agriculture (484,487-493)		207,301		
020-021	Farmers and farm managers		0.716	1,485
363-365	Other healthcare support occupations		11.125	23,063
420-425	Building and grounds cleaning and maintenance occupations		22.683	47,023
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		35.718	74,044
600-605	Agricultural workers, including supervisors		27.372	56,743
961-964	Laborers and material movers, hand		2.385	4,944
Forestry and logging (494-496)		128,021		
020-021	Farmers and farm managers		0.091	117
190-196	Life, physical, and social science technicians		3.835	4,909
600-605	Agricultural workers, including supervisors		7.113	9,107
610-613	Fishing, hunting, and forestry occupations		88.961	113,888
Fishers, hunters, and trappers (497-502)		53,861		
020-021	Farmers and farm managers		0.442	238
600-605	Agricultural workers, including supervisors		0.883	476
610-613	Fishing, hunting, and forestry occupations		94.326	50,805
920-933	Rail and water transportation workers		3.907	2,105
950-960, 965-975	Other material moving workers, except laborers		0.442	238
Auto mechanics and repairers (505-506,514)		1,119,690		
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		99.067	1,109,245
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.933	10,445
Mechanics and repairers, except auto (503-504,507-513,515-552)		2,960,615		
280-296	Media and communications workers		0.362	10,724
635	Electricians		0.164	4,854
660-676	Other construction workers and helpers		0.834	24,685
680-694	Extraction workers		0.032	938
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		22.269	659,295
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		75.371	2,231,445
771-775	Assemblers and fabricators		0.253	7,504
790-822	Metal workers and plastic workers		0.063	1,876
823-826	Printing workers		0.158	4,690
830-846	Textile, apparel, and furnishings workers		0.210	6,216
850-855	Woodworkers		0.063	1,876
770, 864-896	Other production occupations, including supervisors		0.093	2,760
961-964	Laborers and material movers, hand		0.127	3,752
Carpenters (567-572)		1,211,948		
623	Carpenters		90.071	1,091,615
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction trades workers except carpenters, electricians, painters, plumbers, and construction laborers		8.020	97,192

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
660-676	Other construction workers and helpers		1.909	23,141
Electricians (575-576)		608,505		
635	Electricians		96.401	586,603
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		3.599	21,902
Painters, construction and maintenance (579-582)		490,095		
626	Construction laborers		0.803	3,937
642-643	Painters and paperhangers		93.574	458,603
770, 864-896	Other production occupations, including supervisors		5.622	27,556
Plumbers, pipefitters, and steamfitters (585-587)		455,804		
644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	455,804
Other construction trades (553-566,573-574,577-578,583-584,588-612)		2,027,583		
420-425	Building and grounds cleaning and maintenance occupations		0.054	1,104
620	Supervisors, construction and extraction workers		34.785	705,297
623	Carpenters		0.054	1,104
626	Construction laborers		0.545	11,043
635	Electricians		0.821	16,647
642-643	Painters and paperhangers		0.797	16,168
644	Pipelayers, plumbers, pipefitters, and steamfitters		1.253	25,398
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction trades workers except carpenters, electricians, painters, plumbers, and construction laborers		45.579	924,161
660-676	Other construction workers and helpers		5.337	108,208
680-694	Extraction workers		0.899	18,224
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		7.034	142,624
771-775	Assemblers and fabricators		0.127	2,580
790-822	Metal workers and plastic workers		0.102	2,064
770, 864-896	Other production occupations, including supervisors		1.563	31,695
900	Supervisors, transportation, and material moving workers		1.049	21,264
Extractive (613-627)		176,680		
620	Supervisors, construction and extraction workers		25.890	45,743
680-694	Extraction workers		70.002	123,679
770, 864-896	Other production occupations, including supervisors		0.488	862
900	Supervisors, transportation, and material moving workers		1.110	1,960
961-964	Laborers and material movers, hand		2.511	4,436
Supervisors, production (628-633)		1,261,343		
500, 580-593	Other office and administrative support workers, including supervisors		15.217	191,944
620	Supervisors, construction and extraction workers		2.826	35,647
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		2.826	35,647
830-846	Textile, apparel, and furnishings workers		0.217	2,742
770, 864-896	Other production occupations, including supervisors		69.348	874,714
900	Supervisors, transportation, and material moving workers		9.348	117,908
920-933	Rail and water transportation workers		0.217	2,742
Precision metal working (634-655)		1,000,665		
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction trades workers except carpenters, electricians, painters, plumbers, and construction laborers		15.454	154,644
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.044	438
771-775	Assemblers and fabricators		3.895	38,973
790-822	Metal workers and plastic workers		72.563	726,114

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
850-855	Woodworkers		0.569	5,697
770, 864-896	Other production occupations, including supervisors		7.475	74,800
Precision food production (686-688)		458,455		
780-785	Food processing workers		99.707	457,113
961-964	Laborers and material movers, hand		0.293	1,342
Other precision production (656-685,689-702)		1,326,580		
050-073	Business operations specialists		0.073	972
330-353	Health technologists and technicians		3.840	50,941
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		0.070	932
660-676	Other construction workers and helpers		0.330	4,379
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.341	4,530
771-775	Assemblers and fabricators		21.987	291,672
790-822	Metal workers and plastic workers		4.331	57,449
823-826	Printing workers		2.075	27,522
830-846	Textile, apparel, and furnishings workers		19.876	263,669
850-855	Woodworkers		7.825	103,810
860-863	Plant and system operators		21.919	290,774
770, 864-896	Other production occupations, including supervisors		14.966	198,536
912	Bus drivers		1.761	23,355
950-960, 965-975	Other material moving workers, except laborers		0.606	8,040
Metal working and plastic working machine operators (703-716)		360,453		
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.528	1,905
790-822	Metal workers and plastic workers		90.477	326,127
850-855	Woodworkers		0.343	1,235
770, 864-896	Other production occupations, including supervisors		8.652	31,186
Printing machine operators (734-737)		507,529		
823-826	Printing workers		100.000	507,529
Textile, apparel, and furnishings machine operators (738-752)		1,288,299		
823-826	Printing workers		0.165	2,128
830-846	Textile, apparel, and furnishings workers		98.354	1,267,088
850-855	Woodworkers		0.220	2,837
770, 864-896	Other production occupations, including supervisors		1.261	16,247
Other machine operators & tenders, exc precision (717-733,753-782)		2,825,595		
280-296	Media and communications workers		0.254	7,188
430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		0.343	9,689
500, 580-593	Other office and administrative support workers, including supervisors		0.170	4,792
610-613	Fishing, hunting, and forestry occupations		0.022	622
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		0.179	5,054
660-676	Other construction workers and helpers		0.159	4,501
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.335	9,476
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.319	9,001
771-775	Assemblers and fabricators		0.741	20,938
780-785	Food processing workers		1.706	48,205
790-822	Metal workers and plastic workers		18.843	532,429
823-826	Printing workers		0.825	23,301
830-846	Textile, apparel, and furnishings workers		2.567	72,546

**Table 5. 1990 STF-4 Occupation Groups and
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1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
850-855	Woodworkers		5.259	148,606
860-863	Plant and system operators		0.605	17,086
770, 864-896	Other production occupations, including supervisors		66.448	1,877,551
912	Bus drivers		0.159	4,501
961-964	Laborers and material movers, hand		1.066	30,109
Fabricators, assemblers and hand working (783-795)		2,155,835		
660-676	Other construction workers and helpers		0.197	4,239
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.295	6,358
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.720	15,521
771-775	Assemblers and fabricators		55.634	1,199,384
780-785	Food processing workers		0.495	10,667
790-822	Metal workers and plastic workers		29.508	636,148
823-826	Printing workers		0.247	5,315
830-846	Textile, apparel, and furnishings workers		0.714	15,401
850-855	Woodworkers		0.159	3,432
770, 864-896	Other production occupations, including supervisors		12.031	259,371
Production inspectors, testers, samplers, and weighers (796-802)		766,486		
600-605	Agricultural workers, including supervisors		4.595	35,223
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.252	1,931
770, 864-896	Other production occupations, including supervisors		89.556	686,437
912	Bus drivers		1.317	10,094
961-964	Laborers and material movers, hand		4.279	32,802
Truck drivers (804-805)		2,693,352		
600-605	Agricultural workers, including supervisors		0.830	22,351
610-613	Fishing, hunting, and forestry occupations		0.415	11,176
911, 914-915	Motor vehicle operators, except bus and truck drivers		95.021	2,559,243
934-942	Other transportation occupations		3.734	100,582
Bus drivers (808)		432,557		
913	Driver/sales workers and truck drivers		96.552	417,641
934-942	Other transportation occupations		3.448	14,916
Other motor vehicle operators (803,806-807,809-822)		454,228		
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		11.780	53,510
900	Supervisors, transportation, and material moving workers		16.548	75,164
913	Driver/sales workers and truck drivers		1.144	5,195
911, 914-915	Motor vehicle operators, except bus and truck drivers		19.077	86,651
934-942	Other transportation occupations		42.233	191,836
912	Bus drivers		9.218	41,872
Transportation, except motor vehicle (823-842)		180,773		
920-933	Rail and water transportation workers		96.456	174,366
912	Bus drivers		3.254	5,883
950-960, 965-975	Other material moving workers, except laborers		0.290	524
Material moving equipment operators (843-863)		968,091		
373, 390-395	Other protective service workers, including supervisors		0.085	823
610-613	Fishing, hunting, and forestry occupations		0.428	4,141
621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		29.875	289,220
660-676	Other construction workers and helpers		0.255	2,468
680-694	Extraction workers		1.466	14,192
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.085	823

**Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes				
770, 864-896	Other production occupations, including supervisors		0.255	2,468
900	Supervisors, transportation, and material moving workers		2.348	22,735
961-964	Laborers and material movers, hand		1.752	16,962
950-960, 965-975	Other material moving workers, except laborers		63.451	614,261
Construction laborers (869-873)		948,540		
373, 390-395	Other protective service workers, including supervisors		7.426	70,436
680-694	Extraction workers		0.990	9,391
626	Construction laborers		81.188	770,102
660-676	Other construction workers and helpers		10.396	98,611
Freight, stock, and material handlers (875-884)		1,576,991		
550-563	Material recording, scheduling, dispatching, and distributing workers		35.265	556,132
610-613	Fishing, hunting, and forestry occupations		0.267	4,216
680-694	Extraction workers		0.134	2,108
830-846	Textile, apparel, and furnishings workers		0.156	2,459
770, 864-896	Other production occupations, including supervisors		4.328	68,260
912	Bus drivers		0.668	10,540
961-964	Laborers and material movers, hand		55.668	877,872
950-960, 965-975	Other material moving workers, except laborers		3.513	55,404
Hand packers and packagers (888)		318,115		
470-471, 490-496	Other sales and related occupations, including supervisors		4.762	15,148
780-785	Food processing workers		7.937	25,247
770, 864-896	Other production occupations, including supervisors		4.762	15,148
961-964	Laborers and material movers, hand		82.540	262,571
Miscellaneous manual (864-868,874,885-887,889-902)		1,719,488		
154-156	Drafters, engineering, and mapping technicians		0.207	3,565
420-425	Building and grounds cleaning and maintenance occupations		3.971	68,279
520-523, 525-542	Information and record clerks, except customer service representatives		1.001	17,210
550-563	Material recording, scheduling, dispatching, and distributing workers		4.504	77,446
600-605	Agricultural workers, including supervisors		1.835	31,552
610-613	Fishing, hunting, and forestry occupations		0.500	8,605
626	Construction laborers		0.148	2,545
660-676	Other construction workers and helpers		5.209	89,575
680-694	Extraction workers		0.795	13,664
714-726	Vehicle and mobile equipment mechanics, installers, and repairers		3.383	58,162
700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.852	31,842
780-785	Food processing workers		1.168	20,078
790-822	Metal workers and plastic workers		0.667	11,473
830-846	Textile, apparel, and furnishings workers		1.168	20,078
770, 864-896	Other production occupations, including supervisors		19.471	334,795
900	Supervisors, transportation, and material moving workers		0.865	14,870
920-933	Rail and water transportation workers		0.667	11,473
912	Bus drivers		10.751	184,859
961-964	Laborers and material movers, hand		39.974	687,354
950-960, 965-975	Other material moving workers, except laborers		1.865	32,061

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

Table 4. 1990 STF-4 Industry Groups and Their Redistribution into the Census 2000 SF-4 Industry Groups				
1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>				
Total Employed		115,681,202		115,681,202
Agricultural production (000-011)		2,086,580		
	Agriculture, forestry, fishing & hunting (017-029)		100.000	2,086,580
Agricultural services (012-030)		857,462		
	Agriculture, forestry, fishing & hunting (017-029)		6.465	55,433
	Professional, scientific, and technical services (727-749)		21.016	180,203
	Administrative and support, and waste management services (758-779)		69.189	593,270
	Personal and laundry services (897-909)		3.330	28,556
Forestry and fisheries (031-039)		171,330		
	Agriculture, forestry, fishing & hunting (017-029)		96.424	165,202
	Food mfg (107-129)		1.431	2,451
	Public administration (937-959)		2.146	3,677
Mining (040-059)		723,423		
	Mining (037-049)		99.262	718,087
	Professional, scientific, and technical services (727-749)		0.369	2,668
	Management of companies and enterprises (757)		0.369	2,668
Construction (060-099)		7,214,763		
	Construction (077)		95.975	6,924,386
	Petroleum and coal products mfg (207-209)		0.310	22,337
	Professional, scientific, and technical services (727-749)		1.548	111,684
	Administrative and support, and waste management services (758-779)		2.167	156,357
Manufacturing (100-399):				
Nondurable goods (100-229):				
Food and kindred products (100-129)		1,405,723		
	Agriculture, forestry, fishing & hunting (017-029)		0.327	4,598
	Food mfg (107-129)		87.162	1,225,255
	Beverage and tobacco products mfg (137-139)		12.511	175,870
Textile mill products (132-150)		780,784		
	Textile mills and textile products mfg (147-159)		84.103	656,662
	Apparel mfg (167-169)		15.897	124,122
Apparel and other finished textile products (151-159)		1,028,415		
	Textile mills and textile products mfg (147-159)		13.166	135,403
	Apparel mfg (167-169)		85.308	877,321
	Printing and related support activities mfg (199)		0.199	2,047
	Transportation equipment mfg (357-369)		1.260	12,963
	Miscellaneous manufacturing (396-399)		0.066	682
Paper and allied products (160-170)		648,947		

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Wood products mfg (377-387)		0.523	3,394
	Paper mfg (187-189)		96.568	626,676
	Chemical mfg (217-229)		0.162	1,049
	Plastics and rubber products mfg (237-239)		2.747	17,828
Printing, publishing, and allied industries (171-179)		1,941,923		
	Printing and related support activities mfg (199)		50.607	982,747
	Publishing, and motion picture and sound recording industries (647-659)		49.393	959,176
Chemicals and allied products (180-199)		1,196,595		
	Mining (037-049)		0.187	2,243
	Food mfg (107-129)		0.562	6,730
	Chemical mfg (217-229)		98.875	1,183,135
	Metal mfg (267-299)		0.187	2,243
	Transportation equipment mfg (357-369)		0.187	2,243
Petroleum and coal products (200-209)		184,726		
	Petroleum and coal products mfg (207-209)		100.000	184,726
Rubber and miscellaneous plastics products (210-219)		679,437		
	Leather and allied products mfg (177-179)		1.561	10,606
	Chemical mfg (217-229)		5.935	40,327
	Plastics and rubber products mfg (237-239)		88.932	604,235
	Transportation equipment mfg (357-369)		0.720	4,895
	Furniture and related products mfg (389)		0.330	2,240
	Miscellaneous manufacturing (396-399)		2.522	17,133
Other nondurable goods (130-131, 220-229)		186,684		
	Beverage and tobacco products mfg (137-139)		27.264	50,897
	Apparel mfg (167-169)		0.894	1,669
	Leather and allied products mfg (177-179)		71.396	133,284
	Miscellaneous manufacturing (396-399)		0.447	834
Durable goods (230-391):				
Furniture, lumber, and wood products (230-249)		1,276,578		
	Agriculture, forestry, fishing & hunting (017-029)		10.738	137,082
	Wood products mfg (377-387)		39.219	500,662
	Plastics and rubber products mfg (237-239)		0.146	1,858
	Metal mfg (267-299)		0.391	4,988
	Transportation equipment mfg (357-369)		0.979	12,495
	Furniture and related products mfg (389)		46.312	591,205
	Miscellaneous manufacturing (396-399)		2.216	28,288
Primary metal industries (270-280)		792,239		
	Petroleum and coal products mfg (207-209)		0.974	7,718
	Metal mfg (267-299)		96.994	768,425

**Table 4. 1990 STF-4 Industry Groups and
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1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Electrical equipment, appliances, and components mfg (347-349)		2.032	16,096
Fabricated metal industries (281-309)		1,172,905		
	Nonmetallic mineral products mfg (247-259)		0.188	2,205
	Metal mfg (267-299)		94.947	1,113,640
	Machinery mfg (307-329)		1.849	21,693
	Transportation equipment mfg (357-369)		2.429	28,489
	Miscellaneous manufacturing (396-399)		0.434	5,093
	Repair and maintenance (877-889)		0.152	1,786
Machinery and computing equipment (310-339)		2,362,588		
	Metal mfg (267-299)		15.767	372,504
	Machinery mfg (307-329)		58.228	1,375,690
	Computer and electronic products mfg (336-339)		22.431	529,947
	Transportation equipment mfg (357-369)		2.928	69,175
	Miscellaneous manufacturing (396-399)		0.437	10,330
	Repair and maintenance (877-889)		0.209	4,942
Electrical equipment and components, except computer (340-350)		1,899,173		
	Machinery mfg (307-329)		1.211	22,999
	Computer and electronic products mfg (336-339)		46.398	881,172
	Electrical equipment, appliances, and components mfg (347-349)		49.960	948,828
	Transportation equipment mfg (357-369)		2.310	43,866
	Miscellaneous manufacturing (396-399)		0.122	2,309
Motor vehicles and motor vehicle equipment (351)		1,134,240		
	Machinery mfg (307-329)		1.810	20,529
	Transportation equipment mfg (357-369)		97.285	1,103,446
	Professional, scientific, and technical services (727-749)		0.905	10,265
Other transportation equipment (352-370)		1,398,292		
	Metal mfg (267-299)		0.274	3,827
	Machinery mfg (307-329)		0.051	716
	Transportation equipment mfg (357-369)		99.437	1,390,419
	Repair and maintenance (877-889)		0.238	3,330
Other durable goods (250-269,371-391)		1,664,391		
	Food mfg (107-129)		0.269	4,474
	Textile mills and textile products mfg (147-159)		0.269	4,474
	Wood products mfg (377-387)		0.134	2,237
	Printing and related support activities mfg (199)		0.538	8,947
	Chemical mfg (217-229)		1.015	16,892
	Plastics and rubber products mfg (237-239)		0.806	13,421
	Nonmetallic mineral products mfg (247-259)		32.293	537,485
	Metal mfg (267-299)		1.695	28,215

**Table 4. 1990 STF-4 Industry Groups and
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1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Machinery mfg (307-329)		5.670	94,365
	Computer and electronic products mfg (336-339)		15.651	260,496
	Electrical equipment, appliances, and components mfg (347-349)		0.387	6,446
	Transportation equipment mfg (357-369)		1.115	18,556
	Furniture and related products mfg (389)		0.377	6,270
	Miscellaneous manufacturing (396-399)		39.690	660,589
	Arts, entertainment, and recreation (856-859)		0.092	1,524
Not specified manufacturing (392-399)		708,438		
	Miscellaneous manufacturing (396-399)		100.000	708,438
Transportation, communications, and other public utilities (400-499):				
Transportation (400-439):				
Railroads (400)		336,999		
	Rail transportation (608)		88.701	298,920
	Other transportation (618-629, 638)		10.734	36,175
	Administrative and support, and waste management services (758-779)		0.565	1,904
Trucking service and warehousing (410-411)		1,941,762		
	Truck transportation (617)		67.497	1,310,629
	U.S. Postal Service (637)		0.786	15,256
	Other transportation (618-629, 638)		17.285	335,625
	Warehousing and storage (639)		9.429	183,086
	Real estate and rental and leasing (707-719)		1.076	20,888
	Administrative and support, and waste management services (758-779)		3.928	76,279
U.S. Postal Service (412-419)		861,690		
	U.S. Postal Service (637)		100.000	861,690
Air transportation (421)		758,916		
	Transportation equipment mfg (357-369)		1.523	11,557
	Air transportation (607)		81.726	620,231
	Other transportation (618-629, 638)		15.228	115,571
	Administrative and support, and waste management services (758-779)		1.523	11,557
Other transportation (401-409, 420, 422-439)		1,208,636		
	Water transportation (609)		5.240	63,336
	Other transportation (618-629, 638)		65.711	794,208
	Real estate and rental and leasing (707-719)		0.274	3,306
	Administrative and support, and waste management services (758-779)		23.118	279,412
	Health care (797-829)		4.236	51,200
	Arts, entertainment, and recreation (856-859)		1.107	13,381
	Public administration (937-959)		0.314	3,793
Communications (440-449):				
Telephone communications (441)		1,148,078		

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Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Construction (077)		1.481	17,009
	Broadcasting and telecommunications (667-669)		98.519	1,131,069
	Other communications (442-449)	458,931		
	Construction (077)		4.423	20,301
	Broadcasting and telecommunications (667-669)		93.073	427,140
	Finance and insurance (687-699)		1.788	8,207
	Administrative and support, and waste management services (758-779)		0.715	3,283
	Utilities and sanitary services (450-499)	1,490,050		
	Other transportation (618-629, 638)		3.185	47,458
	Utilities (057-069)		86.471	1,288,454
	Administrative and support, and waste management services (758-779)		9.195	137,011
	Public administration (937-959)		1.149	17,126
	Wholesale trade (500-579):			
	Durable goods (500-539)	2,718,583		
	Construction (077)		1.362	37,025
	Motor vehicles, parts and supplies whl (407)		12.149	330,277
	Furniture and home furnishings whl (408)		3.872	105,256
	Lumber and construction materials whl (409)		6.423	174,612
	Professional and commercial equipment and supplies whl (417)		6.725	182,825
	Metals and minerals, except petroleum whl (418)		3.259	88,587
	Electrical goods whl (419)		12.674	344,561
	Hardware, plumbing and heating equipment, and supplies whl (426)		10.113	274,920
	Machinery, equipment, and supplies whl (427)		33.947	922,877
	Recyclable materials whl (428)		5.359	145,698
	Miscellaneous durable goods whl (429)		4.118	111,944
	Nondurable goods (540-579)	2,352,443		
	Agriculture, forestry, fishing & hunting (017-029)		0.091	2,136
	Food mfg (107-129)		0.121	2,847
	Textile mills and textile products mfg (147-159)		0.381	8,957
	Professional and commercial equipment and supplies whl (417)		0.187	4,396
	Miscellaneous durable goods whl (429)		1.313	30,884
	Paper and paper products whl (437)		5.564	130,889
	Drugs, druggist sundries, chemicals and allied products whl (438)		8.343	196,269
	Apparel, piece goods and notions whl (439)		5.711	134,357
	Groceries and related products whl (447)		34.082	801,750
	Farm product raw materials whl (448)		2.675	62,926
	Petroleum and petroleum products whl (449)		7.297	171,659
	Alcoholic beverages whl (456)		5.177	121,793
	Farm supplies whl (457)		3.810	89,624

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Miscellaneous nondurable goods whl (458-459)		24.062	566,034
	Building materials, hardware, and lawn and garden equipment stores (487-489)		0.999	23,492
	Professional, scientific, and technical services (727-749)		0.188	4,430
Retail trade (580-699):				
	Building materials, hardware, and garden stores (580-589)	754,861		
	Construction (077)		1.712	12,922
	Lumber and construction materials whl (409)		2.283	17,230
	Building materials, hardware, and lawn and garden equipment stores (487-489)		96.006	724,709
	General merchandise stores (591-600)	2,022,380		
	Department and other general stores (538-539)		100.000	2,022,380
	Food, bakery, and dairy stores (601-611)	3,339,390		
	Food mfg (107-129)		5.457	182,242
	Food and beverage stores (497-499)		90.014	3,005,931
	Other health and personal care stores (508)		0.225	7,504
	Department and other general stores (538-539)		1.227	40,986
	Other direct selling establishments (569-579)		0.161	5,360
	Warehousing and storage (639)		0.818	27,324
	Accommodation and food services (866-869)		2.097	70,043
Automotive dealers and gasoline stations (612-622):				
	Motor vehicle dealers (612-619)	1,127,510		
	Motor vehicle and parts dealers (467-469)		100.000	1,127,510
	Gasoline service stations (621)	517,855		
	Gasoline stations (509)		100.000	517,855
	Automotive and home supply stores and miscellaneous vehicle dealers (620,622)	447,515		
	Motor vehicle and parts dealers (467-469)		100.000	447,515
	Apparel and accessory stores, including shoes (623-630)	989,056		
	Apparel mfg (167-169)		6.679	66,063
	Clothing and apparel including shoes (517-518)		90.238	892,502
	Jewelry, luggage and leather goods ret (519)		0.514	5,082
	Sporting goods, cameras, and hobby and toy stores (527)		2.055	20,327
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		0.514	5,082
	Home furnishings and equipment stores (631-640)	1,120,467		
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		3.701	41,467
	Furniture and home furnishings and household appliances ret (477-478)		53.563	600,154
	Radio, TV and computer stores (479)		31.162	349,163
	Building materials, hardware, and lawn and garden equipment stores (487-489)		0.169	1,897
	Sewing, needlework, and piece goods ret (528)		1.037	11,615
	Music stores (529)		10.368	116,171
	Eating and drinking places (641)	5,463,979		

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Gasoline stations (509)		0.829	45,282
	Arts, entertainment, and recreation (856-859)		0.552	30,188
	Accommodation and food services (866-869)		98.619	5,388,510
	Other retail trade (590,642-699)	3,702,653		
	Nonmetallic mineral products mfg (247-259)		0.041	1,533
	Miscellaneous manufacturing (396-399)		0.138	5,113
	Miscellaneous durable goods whl (429)		0.041	1,533
	Motor vehicle and parts dealers (467-469)		0.351	13,012
	Furniture and home furnishings and household appliances ret (477-478)		0.615	22,771
	Radio, TV and computer stores (479)		0.766	28,368
	Food and beverage stores (497-499)		3.765	139,410
	Pharmacies and drug stores (507)		15.640	579,084
	Other health and personal care stores (508)		4.308	159,506
	Jewelry, luggage and leather goods ret (519)		4.833	178,965
	Sporting goods, cameras, and hobby and toy stores (527)		7.784	288,232
	Sewing, needlework, and piece goods ret (528)		1.642	60,780
	Book stores and news dealers (537)		3.117	115,414
	Florists ret (547)		5.025	186,056
	Office supplies and stationery ret (548)		3.372	124,835
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		15.159	561,296
	Electronic shopping and mail order houses (559)		3.749	138,815
	Vending machine operators (567)		2.044	75,678
	Fuel dealers (568)		3.166	117,214
	Other direct selling establishments (569-579)		23.722	878,348
	Finance and insurance (687-699)		0.527	19,518
	Accommodation and food services (866-869)		0.194	7,174
	Finance, insurance, and real estate (700-720):			
	Banking and other savings institutions (700-701)	2,374,916		
	Finance and insurance (687-699)		98.679	2,343,545
	Public administration (937-959)		1.321	31,371
	Insurance (711)	2,454,987		
	Finance and insurance (687-699)		97.938	2,404,369
	Professional, scientific, and technical services (727-749)		2.062	50,618
	Real estate, including real estate insurance offices (712-720)	2,020,082		
	Construction (077)		3.465	70,003
	Finance and insurance (687-699)		0.495	10,000
	Real estate and rental and leasing (707-719)		87.129	1,760,071
	Professional, scientific, and technical services (727-749)		1.980	40,002
	Health care (797-829)		1.485	30,001

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Accommodation and food services (866-869)		0.990	20,001
	Personal and laundry services (897-909)		4.455	90,004
Other finance (702-710)		1,134,885		
	Finance and insurance (687-699)		98.921	1,122,641
	Real estate and rental and leasing (707-719)		0.360	4,081
	Management of companies and enterprises (757)		0.360	4,081
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		0.360	4,081
Business and repair services (721-760):				
Personnel supply services (731)		433,424		
	Professional, scientific, and technical services (727-749)		5.747	24,909
	Administrative and support, and waste management services (758-779)		86.782	376,132
	Health care (797-829)		4.598	19,928
	Arts, entertainment, and recreation (856-859)		2.874	12,455
Computer and data processing services (732-739)		739,116		
	Computer and electronic products mfg (336-339)		3.125	23,097
	Publishing, and motion picture and sound recording industries (647-659)		6.250	46,195
	Information services and data processing services (677-679)		26.875	198,637
	Real estate and rental and leasing (707-719)		2.500	18,478
	Professional, scientific, and technical services (727-749)		55.625	411,133
	Repair and maintenance (877-889)		5.625	41,575
Other business services (721-730,740-741)		2,678,722		
	Agriculture, forestry, fishing & hunting (017-029)		0.118	3,148
	Mining (037-049)		0.118	3,148
	Construction (077)		0.823	22,035
	Printing and related support activities mfg (199)		0.353	9,444
	Motor vehicle and parts dealers (467-469)		0.089	2,397
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		0.588	15,739
	U.S. Postal Service (637)		0.353	9,444
	Other transportation (618-629, 638)		0.470	12,592
	Publishing, and motion picture and sound recording industries (647-659)		1.410	37,775
	Broadcasting and telecommunications (667-669)		0.353	9,444
	Information services and data processing services (677-679)		1.119	29,978
	Finance and insurance (687-699)		0.940	25,183
	Real estate and rental and leasing (707-719)		2.703	72,402
	Professional, scientific, and technical services (727-749)		26.667	714,337
	Administrative and support, and waste management services (758-779)		61.078	1,636,108
	Arts, entertainment, and recreation (856-859)		0.353	9,444
	Repair and maintenance (877-889)		0.118	3,148
	Personal and laundry services (897-909)		2.350	62,958

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
Automotive repair and related services (751)		967,274		
	Plastics and rubber products mfg (237-239)		1.081	10,457
	Other transportation (618-629, 638)		7.568	73,199
	Repair and maintenance (877-889)		91.351	883,618
Other repair services and other automotive services (742-750,752-760)		758,926		
	Agriculture, forestry, fishing & hunting (017-029)		0.352	2,670
	Construction (077)		2.814	21,357
	Electrical equipment, appliances, and components mfg (347-349)		0.594	4,509
	Furniture and home furnishings and household appliances ret (477-478)		0.297	2,254
	Radio, TV and computer stores (479)		1.485	11,272
	Sporting goods, cameras, and hobby and toy stores (527)		0.352	2,670
	Other transportation (618-629, 638)		0.352	2,670
	Real estate and rental and leasing (707-719)		18.385	139,527
	Administrative and support, and waste management services (758-779)		5.277	40,045
	Arts, entertainment, and recreation (856-859)		1.055	8,009
	Repair and maintenance (877-889)		62.290	472,732
	Personal and laundry services (897-909)		6.748	51,212
Personal services (761-799):				
Private households (761)		628,510		
	Health care (797-829)		2.959	18,595
	Private households (929)		97.041	609,915
Hotels and motels (762-769)		1,196,162		
	Real estate and rental and leasing (707-719)		0.495	5,922
	Accommodation and food services (866-869)		99.505	1,190,240
Beauty and barber shops (772-780)		799,201		
	Educational services (786-789)		3.897	31,143
	Personal and laundry services (897-909)		96.103	768,058
Other personal services (770-771,781-799)		1,044,823		
	Textile mills and textile products mfg (147-159)		0.206	2,153
	Apparel mfg (167-169)		0.773	8,075
	Real estate and rental and leasing (707-719)		4.098	42,813
	Professional, scientific, and technical services (727-749)		19.314	201,802
	Administrative and support, and waste management services (758-779)		7.488	78,235
	Arts, entertainment, and recreation (856-859)		4.440	46,391
	Accommodation and food services (866-869)		5.556	58,049
	Repair and maintenance (877-889)		5.192	54,243
	Personal and laundry services (897-909)		52.933	553,061
Entertainment and recreation services (800-811)		1,636,460		
	Computer and electronic products mfg (336-339)		0.151	2,475

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
	Publishing, and motion picture and sound recording industries (647-659)		17.849	292,098
	Broadcasting and telecommunications (667-669)		0.454	7,426
	Real estate and rental and leasing (707-719)		7.440	121,756
	Administrative and support, and waste management services (758-779)		0.254	4,154
	Educational services (786-789)		2.285	37,386
	Arts, entertainment, and recreation (856-859)		68.013	1,113,007
	Accommodation and food services (866-869)		2.285	37,386
	Personal and laundry services (897-909)		1.015	16,616
	Public administration (937-959)		0.254	4,154
Professional and related services (812-899):				
Hospitals (831)		5,204,690		
	Health care (797-829)		100.000	5,204,690
Health services, except hospitals (812-830,832-840)		4,477,994		
	Miscellaneous manufacturing (396-399)		1.593	71,315
	Health care (797-829)		96.656	4,328,233
	Social assistance (837-847)		0.796	35,657
	Public administration (937-959)		0.956	42,789
Legal services (841)		1,278,671		
	Professional, scientific, and technical services (727-749)		100.000	1,278,671
Elementary and secondary schools (842-849):				
Government (842-849 and Class of Worker = Government)		4,868,274		
	Other transportation (618-629, 638)		0.467	22,749
	Educational services (786-789)		98.598	4,800,027
	Accommodation and food services (866-869)		0.935	45,498
Private (842-849 and Class of Worker not = Government)		1,585,618		
	Other transportation (618-629, 638)		0.467	7,409
	Educational services (786-789)		98.598	1,563,390
	Accommodation and food services (866-869)		0.935	14,819
Colleges and universities (850)		2,700,849		
	Educational services (786-789)		100.000	2,700,849
Other educational services (851-860)		478,762		
	Information services and data processing services (677-679)		44.591	213,486
	Educational services (786-789)		52.678	252,201
	Social assistance (837-847)		2.276	10,896
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		0.455	2,179
Job training and vocational rehabilitation services (861)		124,611		
	Social assistance (837-847)		100.000	124,611
Child day care, including family homes (862-869)		1,059,760		
	Social assistance (837-847)		100.000	1,059,760

**Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups**

1990 Categories and Codes		Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes <i>(for a definition of abbreviations, see the footnote at the end of this table)</i>			
Other social services (870-871)		1,099,149		
	Educational services (786-789)		0.280	3,080
	Health care (797-829)		30.633	336,700
	Social assistance (837-847)		43.006	472,705
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		16.674	183,277
	Public administration (937-959)		9.406	103,387
Religious and other membership organizations (873-881)		1,242,677		
	Administrative and support, and waste management services (758-779)		1.082	13,444
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		98.918	1,229,233
Engineering, architectural, and surveying services (882-889)		678,564		
	Professional, scientific, and technical services (727-749)		100.000	678,564
Other professional services (872,890-899)		2,198,628		
	Professional, scientific, and technical services (727-749)		83.965	1,846,086
	Management of companies and enterprises (757)		0.181	3,975
	Administrative and support, and waste management services (758-779)		0.723	15,900
	Educational services (786-789)		0.362	7,950
	Arts, entertainment, and recreation (856-859)		14.769	324,718
Public administration (900-939):				
Justice, public order, and safety (910-920)		1,837,304		
	Personal and laundry services (897-909)		0.930	17,091
	Public administration (937-959)		99.070	1,820,213
Other public administration (900-909,921-939)		3,700,773		
	Other transportation (618-629, 638)		0.360	13,311
	Administrative and support, and waste management services (758-779)		0.268	9,930
	Social assistance (837-847)		1.208	44,687
	Public administration (937-959)		98.164	3,632,844
<i>(Abbreviations used in this table: mfg = manufacturing; whl = wholesale; ret = retail)</i>				

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories						
<i>Note: Although this table appears at first to be identical to Table 2, this table shows only 471 Census 2000 occupation categories instead of 509. The "missing" categories are merged into the larger aggregates required for the Census 2000 EEO File, the 5% PUMS, and other tabulations. The codes for these aggregated categories are shown in parentheses. For a more detailed explanation, see the text of the accompanying Technical Paper. Numbers and percents may not always add to totals due to rounding.</i>						
1990 Census Codes and Categories			1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
Census 2000 Codes and Categories						
Total Civilian Labor Force			123,473,450		123,473,450	
003	Legislators		12,716			
	003	Legislators		100.000	12,716	1
004	Chief executives & general administrators, public administration		19,023			
	001	Chief executives		77.143	14,675	
	043	Managers, all other		22.857	4,348	
005	Administrators and officials, public administration		506,683			
	001	Chief executives		1.571	7,958	
	002	General and operations managers		3.141	15,917	
	010	Administrative services managers		2.094	10,611	
	011	Computer and information systems managers		1.571	7,958	
	012	Financial managers		5.236	26,528	
	013	Human resources managers		1.047	5,306	
	015	Purchasing managers		2.094	10,611	
	016	Transportation, storage, and distribution managers		0.524	2,653	
	022	Construction managers		0.524	2,653	
	023	Education administrators		2.094	10,611	
	030	Engineering managers		0.524	2,653	
	036	Natural sciences managers		0.524	2,653	
	041	Property, real estate, and community association managers		1.047	5,306	
	042	Social and community service managers		4.712	23,875	
	043	Managers, all other		40.838	206,918	
	054	Claims adjusters, appraisers, examiners, and investigators		4.188	21,222	
	062	Human resources, training, and labor relations specialists		2.094	10,611	
	081	Appraisers and assessors of real estate		3.141	15,917	
	084	Financial analysts		0.524	2,653	
	093	Tax examiners, collectors, and revenue agents		5.236	26,528	
	122	Operations research analysts		5.759	29,181	
	164	Conservation scientists and foresters		0.524	2,653	
	202	Miscellaneous community and social service specialists		2.094	10,611	
	211	Judges, magistrates, and other judicial workers		2.618	13,264	
	215	Miscellaneous legal support workers		0.524	2,653	
	354	Other healthcare practitioners and technical occupations		0.524	2,653	
	382	Detectives and criminal investigators		0.524	2,653	
	395	Lifeguards and other protective service workers		0.524	2,653	
	525	Eligibility interviewers, government programs		4.188	21,222	
006	Administrators, protective services		49,273			
	043	Managers, all other		14.019	6,907	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	056 Compliance officers, except agriculture, construction, health and safety, and transportation		8.411	4,144	
	073 Other business operations specialists		1.869	921	
	211 Judges, magistrates, and other judicial workers		0.935	460	
	370 First-line supervisors/managers of correctional officers		7.477	3,684	
	371 First-line supervisors/managers of police and detectives		28.972	14,275	
	372 First-line supervisors/managers of fire fighting and prevention workers		16.822	8,289	
	373 Supervisors, protective service workers, all other		21.495	10,591	
007	Financial managers	635,911			
	012 Financial managers		100.000	635,911	1
008	Personnel and labor relations managers	275,495			
	013 Human resources managers		100.000	275,495	1
009	Purchasing managers	120,775			
	015 Purchasing managers		96.212	116,200	2
	211 Judges, magistrates, and other judicial workers		3.788	4,575	
013	Managers, marketing, advertising, and public relations	609,109			
	004 Advertising and promotions managers		13.084	79,697	
	005 Marketing and sales managers		81.308	495,257	
	006 Public relations managers		1.402	8,539	
	471 First-line supervisors/managers of non-retail sales workers		4.206	25,617	
014	Administrators, education and related fields	623,612			
	001 Chief executives		1.031	6,429	
	023 Education administrators		95.361	594,682	2
	034 Lodging managers		1.031	6,429	
	073 Other business operations specialists		1.031	6,429	
	095 Financial specialists, all other		1.546	9,643	
015	Managers, medicine and health	233,621			
	023 Education administrators		1.695	3,960	
	035 Medical and health services managers		94.068	219,762	3
	570 Secretaries and administrative assistants		4.237	9,899	
016	Postmasters and mail superintendents	39,846			
	040 Postmasters and mail superintendents		100.000	39,846	1
017	Managers, food serving and lodging establishments	1,030,651			
	002 General and operations managers		2.620	27,004	
	031 Food service managers		58.079	598,588	
	033 Gaming managers		0.873	9,001	
	034 Lodging managers		9.170	94,514	
	072 Meeting and convention planners		0.437	4,501	
	400 Chefs and head cooks		1.747	18,003	
	401 First-line supervisors/managers of food preparation and serving workers		27.074	279,041	
018	Managers, properties and real estate	411,466			
	034 Lodging managers		0.694	2,857	
	041 Property, real estate, and community association managers		91.667	377,177	3

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	492 Real estate brokers and sales agents		7.639	31,431	
019	Funeral directors	45,486			
	032 Funeral directors		100.000	45,486	1
021	Managers, service organizations, n.e.c.	404,073			
	001 Chief executives		1.190	4,810	
	002 General and operations managers		5.952	24,052	
	005 Marketing and sales managers		0.595	2,405	
	006 Public relations managers		1.190	4,810	
	011 Computer and information systems managers		1.190	4,810	
	013 Human resources managers		1.190	4,810	
	023 Education administrators		0.595	2,405	
	033 Gaming managers		1.190	4,810	
	034 Lodging managers		1.190	4,810	
	035 Medical and health services managers		3.571	14,431	
	041 Property, real estate, and community association managers		0.595	2,405	
	042 Social and community service managers		29.762	120,260	
	043 Managers, all other		27.381	110,639	
	062 Human resources, training, and labor relations specialists		4.762	19,242	
	072 Meeting and convention planners		2.976	12,026	
	201 Social workers		1.786	7,216	
	202 Miscellaneous community and social service specialists		4.762	19,242	
	462 Recreation and fitness workers		10.119	40,888	
022	Managers and administrators, n.e.c.	5,345,993			
	001 Chief executives		8.626	461,131	
	002 General and operations managers		8.480	453,315	
	005 Marketing and sales managers		1.608	85,974	
	010 Administrative services managers		1.023	54,710	
	011 Computer and information systems managers		2.193	117,237	
	012 Financial managers		1.170	62,526	
	014 Industrial production managers		1.754	93,789	
	015 Purchasing managers		1.316	70,342	
	016 Transportation, storage, and distribution managers		2.485	132,868	
	022 Construction managers		5.702	304,815	
	023 Education administrators		1.316	70,342	
	030 Engineering managers		1.023	54,710	
	034 Lodging managers		0.292	15,632	
	035 Medical and health services managers		1.316	70,342	
	036 Natural sciences managers		0.292	15,632	
	042 Social and community service managers		0.877	46,895	
	043 Managers, all other		28.216	1,508,445	
	050 Agents and business managers of artists, performers, and athletes		0.146	7,816	
	060 Cost estimators		2.047	109,421	
	073 Other business operations specialists		1.023	54,710	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	101 Computer programmers		0.585	31,263	
	110 Network and computer systems administrators		0.292	15,632	
	131 Surveyors, cartographers, and photogrammetrists		0.146	7,816	
	202 Miscellaneous community and social service specialists		0.292	15,632	
	240 Archivists, curators, and museum technicians		0.877	46,895	
	263 Designers		0.146	7,816	
	271 Producers and directors		0.877	46,895	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		0.731	39,079	
	430 First-line supervisors/managers of gaming workers		1.023	54,710	
	462 Recreation and fitness workers		1.023	54,710	
	471 First-line supervisors/managers of non-retail sales workers		3.363	179,763	
	500 First-line supervisors/managers of office and administrative support workers		10.819	578,368	
	570 Secretaries and administrative assistants		3.947	211,026	
	700 First-line supervisors/managers of mechanics, installers, and repairers		1.901	101,605	
	900 Supervisors, transportation and material moving workers		2.632	140,684	
	904 Air traffic controllers and airfield operations specialists		0.439	23,447	
023	Accountants and auditors	1,590,178			
	012 Financial managers		3.488	55,471	
	080 Accountants and auditors		93.605	1,488,481	3
	093 Tax examiners, collectors, and revenue agents		2.907	46,226	
024	Underwriters	67,767			
	086 Insurance underwriters		100.000	67,767	1
025	Other financial officers	679,275			
	012 Financial managers		17.204	116,865	
	082 Budget analysts		8.065	54,780	
	083 Credit analysts		2.688	18,260	
	084 Financial analysts		3.226	21,912	
	085 Personal financial advisors		6.452	43,824	
	086 Insurance underwriters		1.613	10,956	
	091 Loan counselors and officers		38.710	262,945	
	094 Tax preparers		15.054	102,256	
	095 Financial specialists, all other		4.301	29,216	
	482 Securities, commodities, and financial services sales agents		2.688	18,260	
026	Management analysts	281,789			
	071 Management analysts		100.000	281,789	1
027	Personnel, training, and labor relations specialists	513,625			
	013 Human resources managers		6.215	31,920	
	062 Human resources, training, and labor relations specialists		92.090	472,999	3
	073 Other business operations specialists		1.130	5,804	
	211 Judges, magistrates, and other judicial workers		0.565	2,902	
028	Purchasing agents and buyers, farm products	17,298			
	051 Purchasing agents and buyers, farm products		90.741	15,696	3

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	485 Sales representatives, wholesale and manufacturing		9.259	1,602	
029	Buyers, wholesale and retail trade, except farm products	228,399			
	052 Wholesale and retail buyers, except farm products		87.574	200,018	
	053 Purchasing agents, except wholesale, retail, and farm products		10.651	24,327	
	485 Sales representatives, wholesale and manufacturing		1.775	4,054	
033	Purchasing agents and buyers, n.e.c.	246,967			
	015 Purchasing managers		2.732	6,748	
	051 Purchasing agents and buyers, farm products		4.918	12,146	
	052 Wholesale and retail buyers, except farm products		7.650	18,894	
	053 Purchasing agents, except wholesale, retail, and farm products		84.699	209,180	
034	Business and promotion agents	36,492			
	042 Social and community service managers		6.024	2,198	
	050 Agents and business managers of artists, performers, and athletes		86.747	31,656	
	062 Human resources, training, and labor relations specialists		2.410	879	
	073 Other business operations specialists		4.819	1,759	
035	Construction inspectors	64,284			
	666 Construction and building inspectors		100.000	64,284	1
036	Inspectors and compliance officers, except construction	161,277			
	056 Compliance officers, except agriculture, construction, health and safety, and transportation		21.849	35,237	
	090 Financial examiners		1.261	2,033	
	093 Tax examiners, collectors, and revenue agents		7.563	12,197	
	102 Computer software engineers		1.261	2,033	
	202 Miscellaneous community and social service specialists		0.420	678	
	354 Other healthcare practitioners and technical occupations		13.445	21,684	
	382 Detectives and criminal investigators		2.101	3,388	
	390 Animal control workers		0.420	678	
	391 Private detectives and investigators		10.084	16,263	
	601 Agricultural inspectors		24.370	39,303	
	604 Graders and sorters, agricultural products		0.840	1,355	
	666 Construction and building inspectors		9.664	15,586	
	874 Inspectors, testers, sorters, samplers, and weighers		3.361	5,421	
	941 Transportation inspectors		3.361	5,421	
037	Management related occupations, n.e.c.	368,073			
	060 Cost estimators		21.583	79,440	
	072 Meeting and convention planners		0.719	2,648	
	073 Other business operations specialists		45.324	166,824	
	500 First-line supervisors/managers of office and administrative support workers		6.475	23,832	
	570 Secretaries and administrative assistants		25.899	95,328	
043	Architects	156,874			
	130 Architects, except naval		100.000	156,874	1
044	Aerospace engineers	143,434			
	132 Aerospace engineers		100.000	143,434	1

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
045	Metallurgical and materials engineers	19,230			
	145 Materials engineers		99.057	19,049	2
	306 Physicians and surgeons		0.943	181	
046	Mining engineers	6,478			
	062 Human resources, training, and labor relations specialists		2.778	180	
	(152) Petroleum, mining and geological engineers, including mining safety engineers		97.222	6,298	2
047	Petroleum engineers	24,565			
	030 Engineering managers		0.990	243	
	143 Industrial engineers, including health and safety		0.990	243	
	(152) Petroleum, mining and geological engineers, including mining safety engineers		94.059	23,106	3
	193 Geological and petroleum technicians		3.960	973	
048	Chemical engineers	64,320			
	030 Engineering managers		1.460	939	
	135 Chemical engineers		95.620	61,503	2
	145 Materials engineers		2.920	1,878	
049	Nuclear engineers	10,801			
	142 Environmental engineers		1.802	195	
	151 Nuclear engineers		98.198	10,606	2
053	Civil engineers	252,808			
	030 Engineering managers		0.763	1,930	
	136 Civil engineers		96.183	243,159	2
	142 Environmental engineers		3.053	7,719	
054	Agricultural engineers	2,148			
	(153) Miscellaneous engineers		100.000	2,148	1
055	Electrical and electronic engineers	467,023			
	030 Engineering managers		0.877	4,097	
	102 Computer software engineers		20.614	96,272	
	111 Network systems and data communications analysts		0.877	4,097	
	140 Computer hardware engineers		6.579	30,725	
	141 Electrical and electronic engineers		52.632	245,802	
	(153) Miscellaneous engineers		14.474	67,595	
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		3.947	18,435	
056	Industrial engineers	176,333			
	043 Managers, all other		6.204	10,940	
	143 Industrial engineers, including health and safety		89.781	158,314	
	145 Materials engineers		2.920	5,148	
	354 Other healthcare practitioners and technical occupations		1.095	1,931	
057	Mechanical engineers	185,872			
	140 Computer hardware engineers		0.415	771	
	143 Industrial engineers, including health and safety		3.320	6,170	
	146 Mechanical engineers		96.266	178,931	2
058	Marine engineers and naval architects	13,269			

**Table 3. 1990 Census EEO File Occupation Categories and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	144 Marine engineers and naval architects		89.011	11,811	
	933 Ship engineers		10.989	1,458	
059	Engineers, n.e.c.	341,963			
	030 Engineering managers		3.067	10,490	
	142 Environmental engineers		11.656	39,861	
	143 Industrial engineers, including health and safety		4.908	16,783	
	146 Mechanical engineers		4.294	14,686	
	(153) Miscellaneous engineers		76.074	260,144	
063	Surveyors and mapping scientists	11,405			
	131 Surveyors, cartographers, and photogrammetrists		97.802	11,154	2
	155 Engineering technicians, except drafters		2.198	251	
064	Computer systems analysts and scientists	471,290			
	011 Computer and information systems managers		1.190	5,611	
	071 Management analysts		0.595	2,805	
	100 Computer scientists and systems analysts		45.536	214,605	
	101 Computer programmers		2.679	12,624	
	102 Computer software engineers		30.952	145,875	
	104 Computer support specialists		6.548	30,858	
	106 Database administrators		0.893	4,208	
	110 Network and computer systems administrators		3.571	16,832	
	111 Network systems and data communications analysts		5.357	25,248	
	140 Computer hardware engineers		2.679	12,624	
065	Operations and systems researchers and analysts	251,818			
	070 Logisticians		11.966	30,132	
	100 Computer scientists and systems analysts		40.171	101,158	
	122 Operations research analysts		47.863	120,528	
066	Actuaries	18,732			
	120 Actuaries		100.000	18,732	1
067	Statisticians	31,852			
	(124) Miscellaneous mathematical science occupations, including mathematicians & statisticians		100.000	31,852	1
068	Mathematical scientists, n.e.c.	5,815			
	(124) Miscellaneous mathematical science occupations, including mathematicians & statisticians		96.053	5,585	2
	132 Aerospace engineers		3.289	191	
	(153) Miscellaneous engineers		0.658	38	
069	Physicists and astronomers	27,842			
	165 Medical scientists		1.575	438	
	170 Astronomers and physicists		98.425	27,404	2
073	Chemists, except biochemists	141,255			
	172 Chemists and materials scientists		100.000	141,255	1
074	Atmospheric and space scientists	8,354			
	171 Atmospheric and space scientists		100.000	8,354	1

**Table 3. 1990 Census EEO File Occupation Categories and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
075	Geologists and geodesists	53,129			
	142 Environmental engineers		0.581	309	
	174 Environmental scientists and geoscientists		99.419	52,820	2
076	Physical scientists, n.e.c.	18,782			
	164 Conservation scientists and foresters		1.481	278	
	172 Chemists and materials scientists		2.222	417	
	174 Environmental scientists and geoscientists		71.852	13,495	
	176 Physical scientists, all other		16.296	3,061	
	(186) Miscellaneous social scientists and related workers, including sociologists		3.704	696	
	(196) Miscellaneous life, physical, and social science technicians		4.444	835	
077	Agricultural and food scientists	34,842			
	020 Farm, ranch, and other agricultural managers		2.703	942	
	160 Agricultural and food scientists		82.883	28,878	
	161 Biological scientists		9.910	3,453	
	(605) Miscellaneous agricultural workers, including animal breeders		4.505	1,569	
078	Biological and life scientists	62,137			
	160 Agricultural and food scientists		0.606	377	
	161 Biological scientists		92.727	57,618	3
	165 Medical scientists		6.667	4,142	
079	Forestry and conservation scientists	34,815			
	131 Surveyors, cartographers, and photogrammetrists		0.840	293	
	161 Biological scientists		7.563	2,633	
	164 Conservation scientists and foresters		86.555	30,134	
	176 Physical scientists, all other		1.681	585	
	(196) Miscellaneous life, physical, and social science technicians		3.361	1,170	
083	Medical scientists	27,519			
	161 Biological scientists		5.422	1,492	
	165 Medical scientists		94.578	26,027	3
084	Physicians	586,715			
	306 Physicians and surgeons		97.345	571,138	2
	353 Miscellaneous health technologists and technicians		2.655	15,577	
085	Dentists	155,529			
	301 Dentists		100.000	155,529	1
086	Veterinarians	48,744			
	325 Veterinarians		100.000	48,744	1
087	Optometrists	27,515			
	304 Optometrists		100.000	27,515	1
088	Podiatrists	8,908			
	312 Podiatrists		100.000	8,908	1
089	Health diagnosing practitioners, n.e.c.	47,114			
	300 Chiropractors		91.971	43,331	3
	326 Health diagnosing and treating practitioners, all other		8.029	3,783	
095	Registered nurses	1,885,129			

**Table 3. 1990 Census EEO File Occupation Categories and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	313 Registered nurses		97.959	1,846,657	2
	360 Nursing, psychiatric, and home health aides		2.041	38,472	
096	Pharmacists	181,798			
	305 Pharmacists		100.000	181,798	1
097	Dietitians	90,223			
	035 Medical and health services managers		0.730	659	
	303 Dietitians and nutritionists		96.350	86,930	2
	341 Health diagnosing and treating practitioner support technicians		2.920	2,634	
098	Respiratory therapists	65,589			
	035 Medical and health services managers		1.058	694	
	322 Respiratory therapists		98.942	64,895	2
099	Occupational therapists	37,895			
	035 Medical and health services managers		1.911	724	
	315 Occupational therapists		96.815	36,688	2
	324 Therapists, all other		1.274	483	
103	Physical therapists	92,022			
	316 Physical therapists		100.000	92,022	1
104	Speech therapists	64,713			
	314 Audiologists		22.460	14,534	
	323 Speech-language pathologists		77.540	50,179	
105	Therapists, n.e.c.	71,402			
	200 Counselors		7.843	5,600	
	316 Physical therapists		0.654	467	
	320 Radiation therapists		0.654	467	
	321 Recreational therapists		26.144	18,667	
	324 Therapists, all other		64.706	46,201	
106	Physicians' assistants	25,569			
	311 Physician assistants		35.417	9,056	
	340 Emergency medical technicians and paramedics		41.667	10,654	
	365 Medical assistants and other healthcare support occupations		22.917	5,860	
113	Earth, environmental, and marine science teachers	1,253			
	220 Postsecondary teachers		100.000	1,253	1
114	Biological science teachers	6,101			
	220 Postsecondary teachers		100.000	6,101	1
115	Chemistry teachers	5,446			
	220 Postsecondary teachers		100.000	5,446	1
116	Physics teachers	4,432			
	220 Postsecondary teachers		100.000	4,432	1
117	Natural science teachers, n.e.c.	389			
	220 Postsecondary teachers		100.000	389	1
118	Psychology teachers	4,518			
	220 Postsecondary teachers		100.000	4,518	1
119	Economics teachers	3,426			

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	220 Postsecondary teachers		100.000	3,426	1
123	History teachers	4,121			
	220 Postsecondary teachers		100.000	4,121	1
124	Political science teachers	1,005			
	220 Postsecondary teachers		100.000	1,005	1
125	Sociology teachers	1,457			
	220 Postsecondary teachers		100.000	1,457	1
126	Social science teachers, n.e.c.	860			
	220 Postsecondary teachers		100.000	860	1
127	Engineering teachers	7,777			
	220 Postsecondary teachers		100.000	7,777	1
128	Mathematical science teachers	17,357			
	220 Postsecondary teachers		100.000	17,357	1
129	Computer science teachers	4,384			
	220 Postsecondary teachers		100.000	4,384	1
133	Medical science teachers	2,743			
	220 Postsecondary teachers		100.000	2,743	1
134	Health specialties teachers	15,711			
	220 Postsecondary teachers		97.409	15,304	2
	234 Other teachers and instructors		2.591	407	
135	Business, commerce, and marketing teachers	5,063			
	220 Postsecondary teachers		100.000	5,063	1
136	Agriculture and forestry teachers	1,061			
	220 Postsecondary teachers		100.000	1,061	1
137	Art, drama, and music teachers	21,393			
	220 Postsecondary teachers		100.000	21,393	1
138	Physical education teachers	4,115			
	220 Postsecondary teachers		93.258	3,838	3
	272 Athletes, coaches, umpires, and related workers		6.742	277	
139	Education teachers	1,455			
	220 Postsecondary teachers		100.000	1,455	1
143	English teachers	24,276			
	220 Postsecondary teachers		100.000	24,276	1
144	Foreign language teachers	10,025			
	220 Postsecondary teachers		100.000	10,025	1
145	Law teachers	4,555			
	220 Postsecondary teachers		100.000	4,555	1
146	Social work teachers	308			
	220 Postsecondary teachers		100.000	308	1
147	Theology teachers	2,616			
	220 Postsecondary teachers		100.000	2,616	1
148	Trade and industrial teachers	1,270			
	220 Postsecondary teachers		100.000	1,270	1

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
149	Home economics teachers	593			
	220 Postsecondary teachers		100.000	593	1
153	Teachers, postsecondary, n.e.c.	13,455			
	220 Postsecondary teachers		81.818	11,009	
	234 Other teachers and instructors		18.182	2,446	
154	Postsecondary teachers, subject not specified	615,068			
	220 Postsecondary teachers		93.157	572,979	3
	234 Other teachers and instructors		6.843	42,089	
155	Teachers, prekindergarten and kindergarten	269,330			
	230 Preschool and kindergarten teachers		100.000	269,330	1
156	Teachers, elementary school	3,024,189			
	231 Elementary and middle school teachers		98.795	2,987,753	2
	233 Special education teachers		0.602	18,218	
	272 Athletes, coaches, umpires, and related workers		0.602	18,218	
157	Teachers, secondary school	624,400			
	231 Elementary and middle school teachers		17.182	107,285	
	232 Secondary school teachers		75.945	474,201	
	233 Special education teachers		0.344	2,146	
	234 Other teachers and instructors		5.498	34,331	
	254 Teacher assistants		0.344	2,146	
	272 Athletes, coaches, umpires, and related workers		0.687	4,291	
158	Teachers, special education	62,216			
	233 Special education teachers		82.692	51,448	
	234 Other teachers and instructors		17.308	10,768	
159	Teachers, n.e.c.	579,391			
	200 Counselors		1.463	8,474	
	202 Miscellaneous community and social service specialists		0.183	1,059	
	220 Postsecondary teachers		29.250	169,475	
	231 Elementary and middle school teachers		1.828	10,592	
	232 Secondary school teachers		3.473	20,125	
	234 Other teachers and instructors		40.768	236,205	
	255 Other education, training, and library workers		5.302	30,717	
	272 Athletes, coaches, umpires, and related workers		7.313	42,369	
	462 Recreation and fitness workers		10.420	60,375	
163	Counselors, educational and vocational	238,533			
	200 Counselors		100.000	238,533	1
164	Librarians	200,881			
	243 Librarians		100.000	200,881	1
165	Archivists and curators	27,575			
	240 Archivists, curators, and museum technicians		100.000	27,575	1
166	Economists	152,237			
	180 Economists		21.875	33,302	
	181 Market and survey researchers		78.125	118,935	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
167	Psychologists	191,962			
	182 Psychologists		82.682	158,717	
	200 Counselors		16.201	31,100	
	201 Social workers		1.117	2,145	
168	Sociologists	2,211			
	(186) Miscellaneous social scientists and related workers, including sociologists		100.000	2,211	1
169	Social scientists, n.e.c.	20,297			
	(186) Miscellaneous social scientists and related workers, including sociologists		98.462	19,985	2
	(196) Miscellaneous life, physical, and social science technicians		1.538	312	
173	Urban planners	18,531			
	184 Urban and regional planners		100.000	18,531	1
174	Social workers	658,919			
	042 Social and community service managers		2.146	14,140	
	200 Counselors		22.318	147,055	
	201 Social workers		57.511	378,949	
	202 Miscellaneous community and social service specialists		18.026	118,775	
175	Recreation workers	50,779			
	200 Counselors		7.874	3,998	
	202 Miscellaneous community and social service specialists		1.575	800	
	462 Recreation and fitness workers		90.551	45,981	3
176	Clergy	324,889			
	204 Clergy		98.925	321,396	2
	205 Directors, religious activities and education		1.075	3,493	
177	Religious workers, n.e.c.	98,807			
	042 Social and community service managers		0.676	668	
	204 Clergy		18.243	18,026	
	205 Directors, religious activities and education		37.838	37,386	
	206 Religious workers, all other		43.243	42,727	
178	Lawyers	747,077			
	210 Lawyers		93.333	697,272	3
	211 Judges, magistrates, and other judicial workers		0.952	7,115	
	214 Paralegals and legal assistants		0.476	3,558	
	215 Miscellaneous legal support workers		5.238	39,133	
179	Judges	32,394			
	211 Judges, magistrates, and other judicial workers		100.000	32,394	1
183	Authors	106,730			
	284 Technical writers		6.316	6,741	
	285 Writers and authors		93.684	99,989	3
184	Technical writers	74,292			
	283 Editors		8.000	5,943	
	284 Technical writers		92.000	68,349	3
185	Designers	596,802			
	260 Artists and related workers		4.641	27,700	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	263 Designers		94.937	566,584	3
	775 Miscellaneous assemblers and fabricators		0.422	2,518	
186	Musicians and composers	148,020			
	275 Musicians, singers, and related workers		100.000	148,020	1
187	Actors and directors	109,573			
	006 Public relations managers		1.667	1,826	
	270 Actors		32.778	35,916	
	271 Producers and directors		61.111	66,961	
	276 Entertainers and performers, sports and related workers, all other		0.556	609	
	280 Announcers		3.333	3,652	
	283 Editors		0.556	609	
188	Painters, sculptors, craft-artists, and artist printmakers	212,762			
	260 Artists and related workers		78.341	166,680	
	263 Designers		20.737	44,121	
	881 Painting workers		0.922	1,961	
189	Photographers	143,520			
	260 Artists and related workers		1.667	2,392	
	291 Photographers		76.667	110,032	
	292 Television, video, and motion picture camera operators and editors		18.333	26,312	
	825 Prepress technicians and workers		3.333	4,784	
193	Dancers	21,913			
	274 Dancers and choreographers		99.351	21,771	2
	275 Musicians, singers, and related workers		0.649	142	
194	Artists, performers, and related workers, n.e.c.	93,421			
	220 Postsecondary teachers		3.614	3,377	
	234 Other teachers and instructors		5.422	5,065	
	260 Artists and related workers		10.241	9,567	
	271 Producers and directors		7.229	6,753	
	276 Entertainers and performers, sports and related workers, all other		17.470	16,321	
	280 Announcers		2.410	2,251	
	286 Miscellaneous media and communication workers		34.940	32,641	
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		1.807	1,688	
	434 Animal trainers		15.060	14,069	
	465 Personal care and service workers, all other		1.807	1,688	
195	Editors and reporters	266,543			
	281 News analysts, reporters and correspondents		32.558	86,781	
	283 Editors		55.814	148,768	
	285 Writers and authors		9.767	26,034	
	292 Television, video, and motion picture camera operators and editors		1.395	3,719	
	583 Desktop publishers		0.465	1,240	
197	Public relations specialists	167,568			
	004 Advertising and promotions managers		2.778	4,655	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	006 Public relations managers		17.778	29,790	
	062 Human resources, training, and labor relations specialists		1.111	1,862	
	282 Public relations specialists		72.222	121,021	
	285 Writers and authors		4.444	7,447	
	351 Medical records and health information technicians		0.556	931	
	480 Advertising sales agents		1.111	1,862	
198	Announcers	60,269			
	280 Announcers		100.000	60,269	1
199	Athletes	81,854			
	272 Athletes, coaches, umpires, and related workers		77.987	63,836	
	354 Other healthcare practitioners and technical occupations		13.208	10,811	
	435 Nonfarm animal caretakers		0.629	515	
	462 Recreation and fitness workers		3.145	2,574	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		5.031	4,118	
203	Clinical laboratory technologists and technicians	329,892			
	330 Clinical laboratory technologists and technicians		77.778	256,583	
	332 Diagnostic related technologists and technicians		3.889	12,829	
	365 Medical assistants and other healthcare support occupations		18.333	60,480	
204	Dental hygienists	72,394			
	331 Dental hygienists		100.000	72,394	1
205	Health record technologists and technicians	55,764			
	351 Medical records and health information technicians		100.000	55,764	1
206	Radiologic technicians	130,383			
	320 Radiation therapists		3.627	4,729	
	332 Diagnostic related technologists and technicians		96.373	125,654	2
207	Licensed practical nurses	429,473			
	350 Licensed practical and licensed vocational nurses		100.000	429,473	1
208	Health technologists and technicians, n.e.c.	411,191			
	(196) Miscellaneous life, physical, and social science technicians		1.327	5,458	
	202 Miscellaneous community and social service specialists		0.442	1,819	
	220 Postsecondary teachers		0.885	3,639	
	311 Physician assistants		0.885	3,639	
	330 Clinical laboratory technologists and technicians		5.310	21,833	
	332 Diagnostic related technologists and technicians		6.637	27,291	
	340 Emergency medical technicians and paramedics		30.088	123,721	
	341 Health diagnosing and treating practitioner support technicians		19.027	78,235	
	353 Miscellaneous health technologists and technicians		5.752	23,653	
	354 Other healthcare practitioners and technical occupations		6.195	25,472	
	362 Physical therapist assistants and aides		1.327	5,458	
	365 Medical assistants and other healthcare support occupations		20.354	83,694	
	876 Medical, dental, and ophthalmic laboratory technicians		1.770	7,278	
213	Electrical and electronic technicians	401,463			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	100 Computer scientists and systems analysts		7.042	28,272	
	155 Engineering technicians, except drafters		89.437	359,055	
	286 Miscellaneous media and communication workers		1.408	5,654	
	743 Precision instrument and equipment repairers		2.113	8,482	
214	Industrial engineering technicians	15,324			
	155 Engineering technicians, except drafters		100.000	15,324	1
215	Mechanical engineering technicians	30,109			
	155 Engineering technicians, except drafters		100.000	30,109	1
216	Engineering technicians, n.e.c.	239,680			
	131 Surveyors, cartographers, and photogrammetrists		1.527	3,659	
	155 Engineering technicians, except drafters		76.336	182,962	
	(196) Miscellaneous life, physical, and social science technicians		11.450	27,444	
	284 Technical writers		0.763	1,830	
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		8.397	20,126	
	292 Television, video, and motion picture camera operators and editors		1.527	3,659	
217	Drafting occupations	324,764			
	130 Architects, except naval		3.165	10,277	
	131 Surveyors, cartographers, and photogrammetrists		4.430	14,388	
	154 Drafters		88.608	287,766	
	156 Surveying and mapping technicians		0.633	2,055	
	260 Artists and related workers		3.165	10,277	
218	Surveying and mapping technicians	93,095			
	131 Surveyors, cartographers, and photogrammetrists		19.553	18,203	
	156 Surveying and mapping technicians		80.447	74,892	
223	Biological technicians	56,723			
	190 Agricultural and food science technicians		36.782	20,864	
	191 Biological technicians		28.736	16,300	
	192 Chemical technicians		12.644	7,172	
	(196) Miscellaneous life, physical, and social science technicians		11.494	6,520	
	341 Health diagnosing and treating practitioner support technicians		10.345	5,868	
224	Chemical technicians	76,639			
	155 Engineering technicians, except drafters		2.878	2,205	
	172 Chemists and materials scientists		4.317	3,308	
	190 Agricultural and food science technicians		2.878	2,205	
	192 Chemical technicians		85.612	65,612	
	193 Geological and petroleum technicians		4.317	3,308	
225	Science technicians, n.e.c.	75,626			
	155 Engineering technicians, except drafters		64.167	48,527	
	192 Chemical technicians		4.167	3,151	
	193 Geological and petroleum technicians		11.667	8,823	
	(196) Miscellaneous life, physical, and social science technicians		20.000	15,125	
226	Airplane pilots and navigators	109,826			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	903 Aircraft pilots and flight engineers		100.000	109,826	1
227	Air traffic controllers	47,163			
	904 Air traffic controllers and airfield operations specialists		100.000	47,163	1
228	Broadcast equipment operators	35,519			
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		86.486	30,719	
	292 Television, video, and motion picture camera operators and editors		0.901	320	
	503 Communications equipment operators, all other		3.604	1,280	
	552 Dispatchers		9.009	3,200	
229	Computer programmers	662,759			
	101 Computer programmers		100.000	662,759	1
233	Tool programmers, numerical control	3,670			
	790 Computer control programmers and operators		100.000	3,670	1
234	Legal assistants	258,152			
	214 Paralegals and legal assistants		51.351	132,565	
	215 Miscellaneous legal support workers		47.297	122,099	
	593 Office and administrative support workers, all other		1.351	3,489	
235	Technicians, n.e.c.	527,799			
	155 Engineering technicians, except drafters		4.918	25,957	
	176 Physical scientists, all other		1.639	8,652	
	181 Market and survey researchers		1.639	8,652	
	184 Urban and regional planners		1.639	8,652	
	(196) Miscellaneous life, physical, and social science technicians		59.016	311,488	
	244 Library Technicians		3.279	17,305	
	260 Artists and related workers		11.475	60,567	
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		8.197	43,262	
	332 Diagnostic related technologists and technicians		3.279	17,305	
	875 Jewelers and precious stone and metal workers		4.918	25,957	
243	Supervisors and proprietors, sales occupations	3,451,461			
	012 Financial managers		1.142	39,400	
	041 Property, real estate, and community association managers		0.457	15,760	
	043 Managers, all other		3.425	118,201	
	052 Wholesale and retail buyers, except farm products		1.598	55,160	
	401 First-line supervisors/managers of food preparation and serving workers		0.228	7,880	
	470 First-line supervisors/managers of retail sales workers		56.393	1,946,372	
	471 First-line supervisors/managers of non-retail sales workers		13.470	464,923	
	476 Retail salespersons		5.251	181,241	
	482 Securities, commodities, and financial services sales agents		0.457	15,760	
	484 Sales representatives, services, all other		0.228	7,880	
	485 Sales representatives, wholesale and manufacturing		3.425	118,201	
	495 Door-to-door sales workers, news and street vendors, and related workers		0.457	15,760	
	496 Sales and related workers, all other		0.913	31,520	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	500 First-line supervisors/managers of office and administrative support workers		6.621	228,521	
	770 First-line supervisors/managers of production and operating workers		3.196	110,321	
	780 Bakers		0.228	7,880	
	900 Supervisors, transportation and material moving workers		2.055	70,920	
	913 Driver/sales workers and truck drivers		0.457	15,760	
253	Insurance sales occupations	666,542			
	054 Claims adjusters, appraisers, examiners, and investigators		13.274	88,479	
	085 Personal financial advisors		3.982	26,544	
	086 Insurance underwriters		1.770	11,797	
	220 Postsecondary teachers		1.327	8,848	
	481 Insurance sales agents		76.991	513,178	
	494 Telemarketers		0.885	5,899	
	496 Sales and related workers, all other		0.885	5,899	
	510 Bill and account collectors		0.885	5,899	
254	Real estate sales occupations	801,238			
	081 Appraisers and assessors of real estate		10.573	84,712	
	085 Personal financial advisors		0.881	7,059	
	492 Real estate brokers and sales agents		85.903	688,288	
	496 Sales and related workers, all other		2.643	21,178	
255	Securities and financial services sales occupations	297,548			
	084 Financial analysts		2.516	7,485	
	085 Personal financial advisors		18.868	56,141	
	482 Securities, commodities, and financial services sales agents		75.472	224,565	
	496 Sales and related workers, all other		3.145	9,357	
256	Advertising and related sales occupations	174,065			
	053 Purchasing agents, except wholesale, retail, and farm products		1.613	2,808	
	480 Advertising sales agents		96.237	167,514	2
	496 Sales and related workers, all other		2.151	3,743	
257	Sales occupations, other business services	549,247			
	476 Retail salespersons		1.402	7,700	
	484 Sales representatives, services, all other		74.766	410,652	
	485 Sales representatives, wholesale and manufacturing		11.682	64,164	
	494 Telemarketers		9.813	53,898	
	524 Customer service representatives		2.336	12,833	
258	Sales engineers	43,616			
	493 Sales engineers		100.000	43,616	1
259	Sales representatives, mining, manufacturing, and wholesale	1,527,816			
	073 Other business operations specialists		1.581	24,155	
	475 Parts salespersons		5.138	78,504	
	484 Sales representatives, services, all other		2.372	36,233	
	485 Sales representatives, wholesale and manufacturing		76.680	1,171,527	
	496 Sales and related workers, all other		13.834	211,358	
	913 Driver/sales workers and truck drivers		0.395	6,039	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
263	Sales workers, motor vehicles and boats	352,279			
	470 First-line supervisors/managers of retail sales workers		2.286	8,052	
	474 Counter and rental clerks		0.571	2,013	
	476 Retail salespersons		95.429	336,175	2
	485 Sales representatives, wholesale and manufacturing		1.714	6,039	
264	Sales workers, apparel	444,577			
	476 Retail salespersons		100.000	444,577	1
265	Sales workers, shoes	117,767			
	476 Retail salespersons		100.000	117,767	1
266	Sales workers, furniture and home furnishings	187,120			
	476 Retail salespersons		99.390	185,979	2
	484 Sales representatives, services, all other		0.610	1,141	
267	Sales workers; radio, TV, hi-fi, and appliances	170,872			
	476 Retail salespersons		100.000	170,872	1
268	Sales workers, hardware and building supplies	175,187			
	476 Retail salespersons		100.000	175,187	1
269	Sales workers, parts	132,093			
	475 Parts salespersons		100.000	132,093	1
274	Sales workers, other commodities	1,857,857			
	353 Miscellaneous health technologists and technicians		0.241	4,477	
	406 Counter attendants, cafeteria, food concession, and coffee shop		3.614	67,151	
	472 Cashiers		0.482	8,954	
	474 Counter and rental clerks		2.410	44,768	
	475 Parts salespersons		1.205	22,384	
	476 Retail salespersons		78.554	1,459,425	
	482 Securities, commodities, and financial services sales agents		0.723	13,430	
	484 Sales representatives, services, all other		1.205	22,384	
	485 Sales representatives, wholesale and manufacturing		3.133	58,198	
	494 Telemarketers		5.301	98,489	
	495 Door-to-door sales workers, news and street vendors, and related workers		0.482	8,954	
	496 Sales and related workers, all other		2.651	49,244	
275	Sales counter clerks	210,073			
	470 First-line supervisors/managers of retail sales workers		0.667	1,400	
	474 Counter and rental clerks		82.667	173,660	
	476 Retail salespersons		8.667	18,206	
	770 First-line supervisors/managers of production and operating workers		8.000	16,806	
276	Cashiers	2,855,680			
	365 Medical assistants and other healthcare support occupations		3.383	96,621	
	472 Cashiers		75.940	2,168,599	
	476 Retail salespersons		20.301	579,725	
	513 Gaming cage workers		0.376	10,736	
277	Street and door-to-door sales workers	230,927			
	412 Food servers, nonrestaurant		1.053	2,431	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	490 Models, demonstrators, and product promoters		3.158	7,292	
	494 Telemarketers		37.895	87,509	
	495 Door-to-door sales workers, news and street vendors, and related workers		38.947	89,940	
	496 Sales and related workers, all other		18.947	43,755	
278	News vendors	113,849			
	495 Door-to-door sales workers, news and street vendors, and related workers		83.523	95,090	
	913 Driver/sales workers and truck drivers		16.477	18,759	
283	Demonstrators, promoters and models, sales	45,265			
	490 Models, demonstrators, and product promoters		98.621	44,641	2
	496 Sales and related workers, all other		1.379	624	
284	Auctioneers	8,372			
	496 Sales and related workers, all other		100.000	8,372	1
285	Sales support occupations, n.e.c.	19,318			
	260 Artists and related workers		6.897	1,332	
	496 Sales and related workers, all other		89.655	17,320	
	875 Jewelers and precious stone and metal workers		3.448	666	
303	Supervisors, general office	579,625			
	500 First-line supervisors/managers of office and administrative support workers		94.690	548,848	3
	570 Secretaries and administrative assistants		5.310	30,777	
304	Supervisors, computer equipment operators	34,548			
	500 First-line supervisors/managers of office and administrative support workers		100.000	34,548	1
305	Supervisors, financial records processing	110,386			
	500 First-line supervisors/managers of office and administrative support workers		100.000	110,386	1
306	Chief communications operators	4,373			
	500 First-line supervisors/managers of office and administrative support workers		100.000	4,373	1
307	Supervisors; distribution, scheduling, and adjusting clerks	195,394			
	500 First-line supervisors/managers of office and administrative support workers		96.154	187,879	2
	770 First-line supervisors/managers of production and operating workers		3.846	7,515	
308	Computer operators	660,318			
	580 Computer operators		100.000	660,318	1
309	Peripheral equipment operators	6,895			
	580 Computer operators		92.958	6,409	3
	590 Office machine operators, except computer		7.042	486	
313	Secretaries	4,018,671			
	500 First-line supervisors/managers of office and administrative support workers		1.439	57,823	
	570 Secretaries and administrative assistants		98.561	3,960,848	2
314	Stenographers	79,880			
	215 Miscellaneous legal support workers		68.786	54,946	
	365 Medical assistants and other healthcare support occupations		16.763	13,390	
	593 Office and administrative support workers, all other		14.451	11,543	
315	Typists	662,775			
	582 Word processors and typists		99.315	658,235	2
	583 Desktop publishers		0.685	4,540	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories			1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories					
316	Interviewers		205,958			
	523	Credit authorizers, checkers, and clerks		7.345	15,127	
	531	Interviewers, except eligibility and loan		87.006	179,195	
	534	New accounts clerks		5.650	11,636	
317	Hotel clerks		96,390			
	530	Hotel, motel, and resort desk clerks		83.030	80,033	
	541	Reservation and transportation ticket agents and travel clerks		16.970	16,357	
318	Transportation ticket and reservation agents		269,951			
	472	Cashiers		1.835	4,953	
	483	Travel agents		45.413	122,592	
	484	Sales representatives, services, all other		1.835	4,953	
	494	Telemarketers		0.917	2,477	
	541	Reservation and transportation ticket agents and travel clerks		49.541	133,737	
	593	Office and administrative support workers, all other		0.459	1,238	
319	Receptionists		822,093			
	531	Interviewers, except eligibility and loan		4.324	35,550	
	540	Receptionists and information clerks		95.676	786,543	2
323	Information clerks, n.e.c.		184,254			
	072	Meeting and convention planners		1.504	2,771	
	104	Computer support specialists		0.752	1,385	
	524	Customer service representatives		5.263	9,698	
	533	Loan interviewers and clerks		1.504	2,771	
	540	Receptionists and information clerks		90.226	166,244	3
	563	Weighers, measurers, checkers, and samplers, recordkeeping		0.752	1,385	
325	Classified-ad clerks		5,282			
	(535)	Correspondence clerks and order clerks		100.000	5,282	1
326	Correspondence clerks		12,521			
	(535)	Correspondence clerks and order clerks		100.000	12,521	1
327	Order clerks		229,122			
	524	Customer service representatives		42.857	98,195	
	(535)	Correspondence clerks and order clerks		50.857	116,525	
	562	Stock clerks and order fillers		6.286	14,402	
328	Personnel clerks, except payroll and timekeeping		80,893			
	536	Human resources assistants, except payroll and timekeeping		70.588	57,101	
	584	Insurance claims and policy processing clerks		29.412	23,792	
329	Library clerks		150,475			
	244	Library Technicians		27.059	40,717	
	532	Library assistants, clerical		72.941	109,758	
335	File clerks		267,946			
	526	File Clerks		100.000	267,946	1
336	Records clerks		137,972			
	054	Claims adjusters, appraisers, examiners, and investigators		0.671	926	
	086	Insurance underwriters		3.356	4,630	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	511 Billing and posting clerks and machine operators		5.369	7,408	
	520 Brokerage clerks		4.698	6,482	
	524 Customer service representatives		6.040	8,334	
	526 File Clerks		42.282	58,337	
	536 Human resources assistants, except payroll and timekeeping		1.342	1,852	
	542 Information and record clerks, all other		21.477	29,632	
	562 Stock clerks and order fillers		0.671	926	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		0.671	926	
	570 Secretaries and administrative assistants		0.671	926	
	584 Insurance claims and policy processing clerks		6.711	9,260	
	591 Proofreaders and copy markers		0.671	926	
	593 Office and administrative support workers, all other		5.369	7,408	
337	Bookkeepers, accounting, and auditing clerks	1,921,952			
	510 Bill and account collectors		2.500	48,049	
	511 Billing and posting clerks and machine operators		3.750	72,073	
	512 Bookkeeping, accounting, and auditing clerks		92.917	1,785,814	3
	526 File Clerks		0.833	16,016	
338	Payroll and timekeeping clerks	179,480			
	514 Payroll and timekeeping clerks		100.000	179,480	1
339	Billing clerks	168,476			
	511 Billing and posting clerks and machine operators		100.000	168,476	1
343	Cost and rate clerks	78,267			
	511 Billing and posting clerks and machine operators		100.000	78,267	1
344	Billing, posting, and calculating machine operators	53,354			
	511 Billing and posting clerks and machine operators		55.714	29,726	
	590 Office machine operators, except computer		44.286	23,628	
345	Duplicating machine operators	27,866			
	590 Office machine operators, except computer		100.000	27,866	1
346	Mail preparing and paper handling machine operators	6,196			
	585 Mail clerks and mail machine operators, except postal service		100.000	6,196	1
347	Office machine operators, n.e.c.	34,726			
	590 Office machine operators, except computer		100.000	34,726	1
348	Telephone operators	233,257			
	501 Switchboard operators, including answering service		40.782	95,127	
	502 Telephone operators		59.218	138,130	
353	Communications equipment operators, n.e.c.	10,858			
	501 Switchboard operators, including answering service		43.750	4,750	
	502 Telephone operators		11.458	1,244	
	503 Communications equipment operators, all other		28.125	3,054	
	590 Office machine operators, except computer		4.167	452	
	920 Locomotive engineers and operators		12.500	1,357	
354	Postal clerks, exc. mail carriers	350,565			
	554 Postal service clerks		54.054	189,495	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	555 Postal service mail carriers		0.541	1,895	
	556 Postal service mail sorters, processors, and processing machine operators		42.162	147,806	
	590 Office machine operators, except computer		3.243	11,370	
355	Mail carriers, postal service	328,241			
	555 Postal service mail carriers		100.000	328,241	1
356	Mail clerks, exc. postal service	211,709			
	551 Couriers and messengers		4.403	9,321	
	585 Mail clerks and mail machine operators, except postal service		95.597	202,388	2
357	Messengers	142,762			
	496 Sales and related workers, all other		1.299	1,854	
	551 Couriers and messengers		98.052	139,981	2
	585 Mail clerks and mail machine operators, except postal service		0.649	927	
359	Dispatchers	204,947			
	552 Dispatchers		99.187	203,281	2
	770 First-line supervisors/managers of production and operating workers		0.813	1,666	
363	Production coordinators	252,659			
	552 Dispatchers		2.857	7,219	
	560 Production, planning, and expediting clerks		97.143	245,440	2
364	Traffic, shipping, and receiving clerks	648,602			
	524 Customer service representatives		7.111	46,123	
	541 Reservation and transportation ticket agents and travel clerks		0.444	2,883	
	550 Cargo and freight agents		5.333	34,592	
	561 Shipping, receiving, and traffic clerks		87.111	565,004	
365	Stock and inventory clerks	711,772			
	403 Food preparation workers		0.985	7,013	
	500 First-line supervisors/managers of office and administrative support workers		2.463	17,531	
	515 Procurement clerks		5.419	38,569	
	(535) Correspondence clerks and order clerks		1.478	10,519	
	562 Stock clerks and order fillers		87.192	620,609	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		2.463	17,531	
366	Meter readers	49,536			
	553 Meter readers, utilities		100.000	49,536	1
368	Weighers, measurers, checkers and samplers	80,746			
	(535) Correspondence clerks and order clerks		7.692	6,211	
	563 Weighers, measurers, checkers, and samplers, recordkeeping		85.470	69,014	
	874 Inspectors, testers, sorters, samplers, and weighers		3.419	2,761	
	(896) Other production workers		3.419	2,761	
373	Expediters	238,789			
	524 Customer service representatives		55.844	133,350	
	560 Production, planning, and expediting clerks		44.156	105,439	
374	Material recording, scheduling, and distributing clerks, n.e.c.	33,855			
	524 Customer service representatives		2.899	981	
	(535) Correspondence clerks and order clerks		1.449	491	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	552 Dispatchers		1.449	491	
	560 Production, planning, and expediting clerks		21.739	7,360	
	562 Stock clerks and order fillers		63.768	21,589	
	593 Office and administrative support workers, all other		8.696	2,944	
375	Insurance adjusters, examiners, and investigators	344,639			
	054 Claims adjusters, appraisers, examiners, and investigators		75.978	261,849	
	584 Insurance claims and policy processing clerks		24.022	82,790	
376	Investigators and adjusters, except insurance	581,830			
	054 Claims adjusters, appraisers, examiners, and investigators		1.970	11,465	
	062 Human resources, training, and labor relations specialists		1.478	8,598	
	091 Loan counselors and officers		0.985	5,732	
	391 Private detectives and investigators		0.493	2,866	
	523 Credit authorizers, checkers, and clerks		7.389	42,992	
	524 Customer service representatives		74.384	432,790	
	525 Eligibility interviewers, government programs		0.493	2,866	
	533 Loan interviewers and clerks		8.867	51,591	
	542 Information and record clerks, all other		0.493	2,866	
	586 Office clerks, general		0.985	5,732	
	593 Office and administrative support workers, all other		2.463	14,331	
377	Eligibility clerks, social welfare	49,506			
	202 Miscellaneous community and social service specialists		1.250	619	
	511 Billing and posting clerks and machine operators		1.250	619	
	525 Eligibility interviewers, government programs		68.750	34,035	
	584 Insurance claims and policy processing clerks		28.750	14,233	
378	Bill and account collectors	163,112			
	484 Sales representatives, services, all other		0.658	1,073	
	510 Bill and account collectors		99.342	162,039	2
379	General office clerks	1,491,116			
	254 Teacher assistants		0.664	9,908	
	500 First-line supervisors/managers of office and administrative support workers		1.661	24,769	
	540 Receptionists and information clerks		2.990	44,585	
	561 Shipping, receiving, and traffic clerks		0.332	4,954	
	586 Office clerks, general		90.033	1,342,500	3
	593 Office and administrative support workers, all other		4.319	64,400	
383	Bank tellers	509,023			
	472 Cashiers		2.367	12,048	
	516 Tellers		97.633	496,975	2
384	Proofreaders	30,326			
	591 Proofreaders and copy markers		100.000	30,326	1
385	Data-entry keyers	639,265			
	503 Communications equipment operators, all other		1.070	6,837	
	581 Data entry keyers		98.930	632,428	2
386	Statistical clerks	148,578			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	351 Medical records and health information technicians		55.556	82,543	
	512 Bookkeeping, accounting, and auditing clerks		6.481	9,630	
	592 Statistical assistants		37.963	56,405	
387	Teachers' aides	275,543			
	254 Teacher assistants		100.000	275,543	1
389	Administrative support occupations, n.e.c.	688,288			
	286 Miscellaneous media and communication workers		0.461	3,172	
	365 Medical assistants and other healthcare support occupations		3.687	25,375	
	522 Court, municipal, and license clerks		13.825	95,155	
	523 Credit authorizers, checkers, and clerks		0.922	6,344	
	524 Customer service representatives		0.461	3,172	
	533 Loan interviewers and clerks		3.226	22,203	
	541 Reservation and transportation ticket agents and travel clerks		1.843	12,687	
	586 Office clerks, general		14.286	98,327	
	593 Office and administrative support workers, all other		52.535	361,589	
	(896) Other production workers		4.147	28,547	
	964 Packers and packagers, hand		4.608	31,718	
403	Launderers and ironers	1,687			
	830 Laundry and dry-cleaning workers		16.901	285	
	831 Pressers, textile, garment, and related materials		83.099	1,402	
404	Cooks, private household	9,212			
	402 Cooks		100.000	9,212	1
405	Housekeepers and butlers	34,416			
	401 First-line supervisors/managers of food preparation and serving workers		1.031	355	
	420 First-line supervisors/managers of housekeeping and janitorial workers		1.031	355	
	423 Maids and housekeeping cleaners		68.041	23,417	
	432 First-line supervisors/managers of personal service workers		1.031	355	
	465 Personal care and service workers, all other		28.866	9,935	
406	Child care workers, private household	164,252			
	460 Child care workers		100.000	164,252	1
407	Private household cleaners and servants	354,351			
	402 Cooks		1.967	6,971	
	422 Janitors and building cleaners		4.262	15,103	
	423 Maids and housekeeping cleaners		82.623	292,775	
	461 Personal and home care aides		10.164	36,016	
	465 Personal care and service workers, all other		0.656	2,324	
	551 Couriers and messengers		0.328	1,162	
413	Supervisors, firefighting and fire prevention occupations	29,298			
	372 First-line supervisors/managers of fire fighting and prevention workers		82.692	24,227	
	374 Fire fighters		2.885	845	
	375 Fire inspectors		14.423	4,226	
414	Supervisors, police and detectives	61,222			
	370 First-line supervisors/managers of correctional officers		10.303	6,308	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	371 First-line supervisors/managers of police and detectives		80.000	48,978	
	(385) Police officers		9.697	5,937	
415	Supervisors, guards	44,686			
	370 First-line supervisors/managers of correctional officers		0.671	300	
	371 First-line supervisors/managers of police and detectives		0.671	300	
	373 Supervisors, protective service workers, all other		83.893	37,488	
	380 Bailiffs, correctional officers, and jailers		2.013	900	
	392 Security guards and gaming surveillance officers		12.752	5,698	
416	Fire inspection and fire prevention occupations	16,725			
	374 Fire fighters		7.752	1,297	
	375 Fire inspectors		75.194	12,576	
	392 Security guards and gaming surveillance officers		17.054	2,852	
417	Firefighting occupations	224,761			
	372 First-line supervisors/managers of fire fighting and prevention workers		2.222	4,995	
	374 Fire fighters		95.556	214,772	3
	375 Fire inspectors		2.222	4,995	
418	Police and detectives, public service	519,184			
	093 Tax examiners, collectors, and revenue agents		0.526	2,733	
	382 Detectives and criminal investigators		22.105	114,767	
	(385) Police officers		77.368	401,684	
423	Sheriffs, bailiffs, and other law enforcement officers	118,432			
	371 First-line supervisors/managers of police and detectives		1.266	1,499	
	380 Bailiffs, correctional officers, and jailers		37.342	44,225	
	382 Detectives and criminal investigators		1.899	2,249	
	(384) Miscellaneous law enforcement officers		15.823	18,739	
	(385) Police officers		36.709	43,475	
	392 Security guards and gaming surveillance officers		5.063	5,997	
	395 Lifeguards and other protective service workers		1.899	2,249	
424	Correctional institution officers	184,667			
	380 Bailiffs, correctional officers, and jailers		100.000	184,667	1
425	Crossing guards	45,313			
	392 Security guards and gaming surveillance officers		2.116	959	
	394 Crossing guards		97.884	44,354	2
426	Guards and police, exc. public service	785,511			
	(385) Police officers		5.221	41,011	
	391 Private detectives and investigators		6.024	47,320	
	392 Security guards and gaming surveillance officers		85.542	671,943	
	395 Lifeguards and other protective service workers		1.606	12,619	
	443 Miscellaneous entertainment attendants and related workers		1.606	12,619	
427	Protective service occupations, n.e.c.	54,976			
	(384) Miscellaneous law enforcement officers		1.538	846	
	390 Animal control workers		12.821	7,048	
	392 Security guards and gaming surveillance officers		0.513	282	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	395 Lifeguards and other protective service workers		82.564	45,390	
	460 Child care workers		2.564	1,410	
433	Supervisors, food preparation and service occupations	276,420			
	400 Chefs and head cooks		12.921	35,717	
	401 First-line supervisors/managers of food preparation and serving workers		59.551	164,610	
	411 Waiters and waitresses		3.933	10,870	
	415 Hosts and hostesses, restaurant, lounge, and coffee shop		21.910	60,564	
	500 First-line supervisors/managers of office and administrative support workers		1.124	3,106	
	780 Bakers		0.562	1,553	
434	Bartenders	330,710			
	404 Bartenders		100.000	330,710	1
435	Waiters and waitresses	1,488,253			
	405 Combined food preparation and serving workers, including fast food		0.476	7,087	
	411 Waiters and waitresses		99.524	1,481,166	2
436	Cooks	2,073,260			
	400 Chefs and head cooks		8.779	182,004	
	402 Cooks		72.137	1,495,596	
	403 Food preparation workers		12.214	253,223	
	405 Combined food preparation and serving workers, including fast food		4.198	87,045	
	780 Bakers		2.672	55,392	
438	Food counter, fountain and related occupations	236,480			
	403 Food preparation workers		2.890	6,835	
	405 Combined food preparation and serving workers, including fast food		10.405	24,605	
	406 Counter attendants, cafeteria, food concession, and coffee shop		61.850	146,262	
	411 Waiters and waitresses		12.717	30,073	
	412 Food servers, nonrestaurant		10.405	24,605	
	(413) Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		1.734	4,101	
439	Kitchen workers, food preparation	211,500			
	403 Food preparation workers		52.525	111,091	
	405 Combined food preparation and serving workers, including fast food		45.960	97,205	
	781 Butchers and other meat, poultry, and fish processing workers		1.515	3,205	
443	Waiters/waitresses' assistants	378,558			
	406 Counter attendants, cafeteria, food concession, and coffee shop		12.429	47,052	
	411 Waiters and waitresses		18.079	68,440	
	412 Food servers, nonrestaurant		9.605	36,359	
	(413) Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		59.887	226,707	
444	Miscellaneous food preparation occupations	743,777			
	402 Cooks		11.795	87,728	
	403 Food preparation workers		27.179	202,155	
	405 Combined food preparation and serving workers, including fast food		1.538	11,443	
	412 Food servers, nonrestaurant		3.077	22,885	

**Table 3. 1990 Census EEO File Occupation Categories and
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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	(413) Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		18.974	141,127	
	414 Dishwashers		36.410	270,811	
	415 Hosts and hostesses, restaurant, lounge, and coffee shop		1.026	7,628	
445	Dental assistants	179,287			
	364 Dental assistants		100.000	179,287	1
446	Health aides, except nursing	222,977			
	200 Counselors		6.000	13,379	
	313 Registered nurses		0.400	892	
	315 Occupational therapists		0.800	1,784	
	316 Physical therapists		4.800	10,703	
	330 Clinical laboratory technologists and technicians		9.200	20,514	
	341 Health diagnosing and treating practitioner support technicians		1.200	2,676	
	360 Nursing, psychiatric, and home health aides		4.800	10,703	
	361 Occupational therapist assistants and aides		1.600	3,568	
	362 Physical therapist assistants and aides		8.000	17,838	
	365 Medical assistants and other healthcare support occupations		53.200	118,624	
	412 Food servers, nonrestaurant		9.200	20,514	
	(915) Miscellaneous motor vehicle operators		0.800	1,784	
447	Nursing aides, orderlies, and attendants	1,859,694			
	313 Registered nurses		1.639	30,487	
	341 Health diagnosing and treating practitioner support technicians		1.311	24,389	
	350 Licensed practical and licensed vocational nurses		8.852	164,629	
	360 Nursing, psychiatric, and home health aides		70.820	1,317,029	
	361 Occupational therapist assistants and aides		0.328	6,097	
	365 Medical assistants and other healthcare support occupations		3.934	73,168	
	460 Child care workers		2.623	48,779	
	461 Personal and home care aides		10.492	195,115	
448	Supervisors, cleaning and building service workers	167,475			
	420 First-line supervisors/managers of housekeeping and janitorial workers		96.063	160,881	2
	422 Janitors and building cleaners		3.150	5,275	
	(975) Miscellaneous material moving workers		0.787	1,319	
449	Maids and housemen	712,789			
	422 Janitors and building cleaners		13.744	97,966	
	423 Maids and housekeeping cleaners		84.360	601,310	
	453 Baggage porters, bellhops, and concierges		1.896	13,513	
453	Janitors and cleaners	2,481,545			
	420 First-line supervisors/managers of housekeeping and janitorial workers		4.298	106,657	
	422 Janitors and building cleaners		64.470	1,599,850	
	423 Maids and housekeeping cleaners		23.209	575,946	
	453 Baggage porters, bellhops, and concierges		0.287	7,110	
	733 Industrial and refractory machinery mechanics		0.573	14,221	
	961 Cleaners of vehicles and equipment		3.725	92,436	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	962 Laborers and freight, stock, and material movers, hand		3.438	85,325	
454	Elevator operators	11,411			
	(975) Miscellaneous material moving workers		100.000	11,411	1
455	Pest control occupations	50,481			
	424 Pest control workers		100.000	50,481	1
456	Supervisors, personal service occupations	62,932			
	401 First-line supervisors/managers of food preparation and serving workers		2.542	1,600	
	430 First-line supervisors/managers of gaming workers		9.322	5,867	
	432 First-line supervisors/managers of personal service workers		40.678	25,599	
	442 Ushers, lobby attendants, and ticket takers		1.695	1,067	
	443 Miscellaneous entertainment attendants and related workers		5.932	3,733	
	453 Baggage porters, bellhops, and concierges		7.627	4,800	
	460 Child care workers		27.966	17,600	
	471 First-line supervisors/managers of non-retail sales workers		1.695	1,067	
	(975) Miscellaneous material moving workers		2.542	1,600	
457	Barbers	84,626			
	220 Postsecondary teachers		0.515	436	
	450 Barbers		96.392	81,572	2
	451 Hairdressers, hairstylists, and cosmetologists		3.093	2,617	
458	Hairdressers and cosmetologists	733,576			
	220 Postsecondary teachers		1.932	14,175	
	451 Hairdressers, hairstylists, and cosmetologists		89.855	659,155	
	452 Miscellaneous personal appearance workers		8.213	60,245	
459	Attendants, amusement and recreation facilities	137,153			
	392 Security guards and gaming surveillance officers		1.899	2,604	
	430 First-line supervisors/managers of gaming workers		1.899	2,604	
	440 Gaming services workers		32.911	45,139	
	442 Ushers, lobby attendants, and ticket takers		3.797	5,208	
	443 Miscellaneous entertainment attendants and related workers		52.532	72,049	
	460 Child care workers		1.266	1,736	
	462 Recreation and fitness workers		3.797	5,208	
	474 Counter and rental clerks		1.899	2,604	
461	Guides	41,286			
	360 Nursing, psychiatric, and home health aides		12.295	5,076	
	454 Tour and travel guides		87.705	36,210	
462	Ushers	29,611			
	406 Counter attendants, cafeteria, food concession, and coffee shop		1.333	395	
	442 Ushers, lobby attendants, and ticket takers		98.667	29,216	2
463	Public transportation attendants	105,949			
	455 Transportation attendants		100.000	105,949	1
464	Baggage porters and bellhops	38,763			
	412 Food servers, nonrestaurant		17.829	6,911	
	453 Baggage porters, bellhops, and concierges		79.070	30,650	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	455 Transportation attendants		3.101	1,202	
465	Welfare service aides	48,190			
	202 Miscellaneous community and social service specialists		59.524	28,685	
	460 Child care workers		1.190	574	
	461 Personal and home care aides		39.286	18,932	
466	Family child care providers	434,643			
	460 Child care workers		100.000	434,643	1
467	Early childhood teacher's assistants	338,928			
	254 Teacher assistants		18.966	64,279	
	460 Child care workers		81.034	274,649	
468	Child care workers, n.e.c.	211,351			
	254 Teacher assistants		7.634	16,134	
	460 Child care workers		80.916	171,017	
	464 Residential advisors		11.450	24,200	
469	Personal service occupations, n.e.c.	227,239			
	034 Lodging managers		0.532	1,209	
	280 Announcers		1.064	2,417	
	363 Massage therapists		13.830	31,427	
	365 Medical assistants and other healthcare support occupations		1.064	2,417	
	401 First-line supervisors/managers of food preparation and serving workers		1.064	2,417	
	415 Hosts and hostesses, restaurant, lounge, and coffee shop		25.000	56,810	
	420 First-line supervisors/managers of housekeeping and janitorial workers		0.532	1,209	
	422 Janitors and building cleaners		0.532	1,209	
	423 Maids and housekeeping cleaners		19.149	43,514	
	442 Ushers, lobby attendants, and ticket takers		9.574	21,757	
	443 Miscellaneous entertainment attendants and related workers		6.383	14,505	
	446 Funeral service workers		4.255	9,670	
	453 Baggage porters, bellhops, and concierges		2.660	6,044	
	454 Tour and travel guides		0.532	1,209	
	462 Recreation and fitness workers		1.064	2,417	
	464 Residential advisors		5.319	12,087	
	465 Personal care and service workers, all other		5.851	13,296	
	470 First-line supervisors/managers of retail sales workers		0.532	1,209	
	490 Models, demonstrators, and product promoters		1.064	2,417	
473	Farmers, except horticultural	795,187			
	021 Farmers and ranchers		70.792	562,929	
	425 Grounds maintenance workers		0.990	7,873	
	(605) Miscellaneous agricultural workers, including animal breeders		28.218	224,384	
474	Horticultural specialty farmers	34,732			
	021 Farmers and ranchers		18.125	6,295	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		5.000	1,737	
	425 Grounds maintenance workers		75.625	26,266	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	(605) Miscellaneous agricultural workers, including animal breeders		1.250	434	
475	Managers, farms, except horticultural	238,884			
	020 Farm, ranch, and other agricultural managers		70.000	167,219	
	600 First-line supervisors/managers of farming, fishing, and forestry workers		7.778	18,580	
	(605) Miscellaneous agricultural workers, including animal breeders		22.222	53,085	
476	Managers, horticultural specialty farms	18,562			
	020 Farm, ranch, and other agricultural managers		55.435	10,290	
	263 Designers		4.348	807	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		40.217	7,465	
477	Supervisors, farm workers	43,435			
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		2.632	1,143	
	600 First-line supervisors/managers of farming, fishing, and forestry workers		97.368	42,292	2
479	Farm workers	759,669			
	020 Farm, ranch, and other agricultural managers		4.870	36,997	
	425 Grounds maintenance workers		1.623	12,332	
	434 Animal trainers		3.247	24,665	
	435 Nonfarm animal caretakers		1.948	14,799	
	(605) Miscellaneous agricultural workers, including animal breeders		87.662	665,944	
	612 Forest and conservation workers		0.325	2,466	
	854 Woodworking machine setters, operators, and tenders, except sawing		0.325	2,466	
483	Marine life cultivation workers	1,233			
	(605) Miscellaneous agricultural workers, including animal breeders		100.000	1,233	1
484	Nursery workers	37,736			
	425 Grounds maintenance workers		6.936	2,618	
	(605) Miscellaneous agricultural workers, including animal breeders		93.064	35,118	3
485	Supervisors, related agricultural occupations	65,607			
	020 Farm, ranch, and other agricultural managers		2.381	1,562	
	421 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		73.016	47,904	
	425 Grounds maintenance workers		2.381	1,562	
	600 First-line supervisors/managers of farming, fishing, and forestry workers		10.317	6,769	
	(605) Miscellaneous agricultural workers, including animal breeders		11.905	7,810	
486	Groundskeepers and gardeners, except farm	735,556			
	422 Janitors and building cleaners		1.747	12,848	
	425 Grounds maintenance workers		87.336	642,407	
	(605) Miscellaneous agricultural workers, including animal breeders		10.917	80,301	
487	Animal caretakers, except farm	107,205			
	365 Medical assistants and other healthcare support occupations		22.892	24,541	
	435 Nonfarm animal caretakers		73.494	78,789	
	(605) Miscellaneous agricultural workers, including animal breeders		3.614	3,875	
488	Graders and sorters, agricultural products	54,659			

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	Census 2000 Codes and Categories				
	604 Graders and sorters, agricultural products		40.645	22,216	
	(605) Miscellaneous agricultural workers, including animal breeders		47.097	25,743	
	964 Packers and packagers, hand		12.258	6,700	
489	Inspectors, agricultural products	4,315			
	601 Agricultural inspectors		76.389	3,296	
	604 Graders and sorters, agricultural products		22.222	959	
	(605) Miscellaneous agricultural workers, including animal breeders		1.389	60	
494	Supervisors, forestry, and logging workers	12,068			
	600 First-line supervisors/managers of farming, fishing, and forestry workers		80.519	9,717	
	613 Logging workers		19.481	2,351	
495	Forestry workers, except logging	20,431			
	021 Farmers and ranchers		0.658	134	
	(196) Miscellaneous life, physical, and social science technicians		27.632	5,645	
	612 Forest and conservation workers		71.711	14,651	
496	Timber cutting and logging occupations	115,524			
	613 Logging workers		100.000	115,524	1
497	Captains and other officers, fishing vessels	6,341			
	(610) Fishing and hunting workers		75.862	4,810	
	931 Ship and boat captains and operators		24.138	1,531	
498	Fishers	52,152			
	020 Farm, ranch, and other agricultural managers		0.515	269	
	(605) Miscellaneous agricultural workers, including animal breeders		1.031	538	
	(610) Fishing and hunting workers		96.392	50,270	2
	930 Sailors and marine oilers		1.546	806	
	952 Dredge, excavating, and loading machine operators		0.515	269	
499	Hunters and trappers	2,099			
	(610) Fishing and hunting workers		100.000	2,099	1
503	Supervisors, mechanics and repairers	270,582			
	700 First-line supervisors/managers of mechanics, installers, and repairers		99.310	268,716	2
	770 First-line supervisors/managers of production and operating workers		0.690	1,866	
505	Automobile mechanics	954,623			
	711 Electronic equipment installers and repairers, motor vehicles		1.156	11,036	
	720 Automotive service technicians and mechanics		98.266	938,069	2
	721 Bus and truck mechanics and diesel engine specialists		0.578	5,518	
506	Automobile mechanic apprentices	1,591			
	720 Automotive service technicians and mechanics		100.000	1,591	1
507	Bus, truck, and stationary engine mechanics	266,142			
	721 Bus and truck mechanics and diesel engine specialists		96.450	256,693	2
	722 Heavy vehicle and mobile equipment service technicians and mechanics		3.550	9,449	
508	Aircraft engine mechanics	134,672			
	714 Aircraft mechanics and service technicians		100.000	134,672	1
509	Small engine repairers	62,022			
	724 Small engine mechanics		100.000	62,022	1

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	Census 2000 Codes and Categories				
514	Automobile body and related repairers	228,710			
	715 Automotive body and related repairers		92.661	211,924	3
	716 Automotive glass installers and repairers		7.339	16,786	
515	Aircraft mechanics, exc. engine	31,814			
	714 Aircraft mechanics and service technicians		100.000	31,814	1
516	Heavy equipment mechanics	157,495			
	722 Heavy vehicle and mobile equipment service technicians and mechanics		100.000	157,495	1
517	Farm equipment mechanics	28,609			
	722 Heavy vehicle and mobile equipment service technicians and mechanics		100.000	28,609	1
518	Industrial machinery repairers	332,779			
	733 Industrial and refractory machinery mechanics		97.297	323,785	2
	736 Millwrights		1.351	4,497	
	841 Textile knitting and weaving machine setters, operators, and tenders		1.351	4,497	
519	Machinery maintenance occupations	25,273			
	735 Maintenance workers, machinery		100.000	25,273	1
523	Electronic repairers, communications and industrial equipment	179,229			
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		6.289	11,272	
	635 Electricians		2.516	4,509	
	701 Computer, automated teller, and office machine repairers		2.516	4,509	
	702 Radio and telecommunications equipment installers and repairers		42.767	76,651	
	703 Avionics technicians		6.289	11,272	
	(710) Electrical and electronics repairers, industrial, utility, & transportation equipment		4.403	7,891	
	711 Electronic equipment installers and repairers, motor vehicles		1.258	2,254	
	712 Electronic home entertainment equipment installers and repairers		14.465	25,926	
	713 Security and fire alarm systems installers		0.629	1,127	
	742 Telecommunications line installers and repairers		18.868	33,817	
525	Data processing equipment repairers	91,657			
	701 Computer, automated teller, and office machine repairers		100.000	91,657	1
526	Household appliance and power tool repairers	53,125			
	635 Electricians		1.099	584	
	704 Electric motor, power tool, and related repairers		6.593	3,503	
	731 Heating, air conditioning, and refrigeration mechanics and installers		1.099	584	
	732 Home appliance repairers		91.209	48,455	3
527	Telephone line installers and repairers	50,633			
	741 Electrical power-line installers and repairers		3.448	1,746	
	742 Telecommunications line installers and repairers		96.552	48,887	2
529	Telephone installers and repairers	190,927			
	702 Radio and telecommunications equipment installers and repairers		79.137	151,093	
	742 Telecommunications line installers and repairers		20.863	39,834	
533	Miscellaneous electrical and electronic equipment repairers	69,954			
	703 Avionics technicians		15.278	10,687	
	704 Electric motor, power tool, and related repairers		40.278	28,176	

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	Census 2000 Codes and Categories				
	(710) Electrical and electronics repairers, industrial, utility, & transportation equipment		8.333	5,830	
	711 Electronic equipment installers and repairers, motor vehicles		31.944	22,346	
	743 Precision instrument and equipment repairers		1.389	972	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		2.778	1,943	
534	Heating, air conditioning, and refrigeration mechanics	192,983			
	731 Heating, air conditioning, and refrigeration mechanics and installers		100.000	192,983	1
535	Camera, watch, and musical instrument repairers	31,097			
	743 Precision instrument and equipment repairers		100.000	31,097	1
536	Locksmiths and safe repairers	27,137			
	754 Locksmiths and safe repairers		100.000	27,137	1
538	Office machine repairers	41,888			
	701 Computer, automated teller, and office machine repairers		100.000	41,888	1
539	Mechanical controls and valve repairers	20,408			
	730 Control and valve installers and repairers		100.000	20,408	1
543	Elevator installers and repairers	25,634			
	670 Elevator installers and repairers		100.000	25,634	1
544	Millwrights	96,140			
	736 Millwrights		100.000	96,140	1
547	Specified mechanics and repairers, n.e.c.	213,949			
	683 Explosives workers, ordnance handling experts, and blasters		0.461	986	
	702 Radio and telecommunications equipment installers and repairers		2.304	4,930	
	703 Avionics technicians		0.461	986	
	704 Electric motor, power tool, and related repairers		0.461	986	
	712 Electronic home entertainment equipment installers and repairers		2.304	4,930	
	715 Automotive body and related repairers		0.461	986	
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		3.226	6,902	
	730 Control and valve installers and repairers		1.843	3,944	
	732 Home appliance repairers		1.382	2,958	
	733 Industrial and refractory machinery mechanics		8.756	18,733	
	734 Maintenance and repair workers, general		11.521	24,649	
	735 Maintenance workers, machinery		0.922	1,972	
	743 Precision instrument and equipment repairers		7.834	16,761	
	751 Coin, vending, and amusement machine servicers and repairers		6.452	13,803	
	755 Manufactured building and mobile home installers		5.069	10,845	
	756 Riggers		3.226	6,902	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		32.258	69,016	
	775 Miscellaneous assemblers and fabricators		3.687	7,888	
	813 Tool and die makers		0.461	986	
	821 Tool grinders, filers, and sharpeners		0.461	986	
	823 Bookbinders and bindery workers		2.304	4,930	
	833 Shoe and leather workers and repairers		0.922	1,972	

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1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	851 Furniture finishers		0.922	1,972	
	876 Medical, dental, and ophthalmic laboratory technicians		0.461	986	
	962 Laborers and freight, stock, and material movers, hand		1.843	3,944	
549	Not specified mechanics and repairers	492,093			
	734 Maintenance and repair workers, general		66.667	328,062	
	735 Maintenance workers, machinery		1.754	8,633	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		31.579	155,398	
553	Supervisors; brickmasons, stonemasons, and tile setters	12,968			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	12,968	1
554	Supervisors, carpenters and related workers	45,625			
	620 First-line supervisors/managers of construction trades and extraction workers		96.667	44,104	2
	770 First-line supervisors/managers of production and operating workers		1.667	760	
	900 Supervisors, transportation and material moving workers		1.667	760	
555	Supervisors, electricians and power transmission installers	73,556			
	620 First-line supervisors/managers of construction trades and extraction workers		91.262	67,129	3
	700 First-line supervisors/managers of mechanics, installers, and repairers		8.738	6,427	
556	Supervisors; painters, paperhangers, and plasterers	32,369			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	32,369	1
557	Supervisors; plumbers, pipefitters, and steamfitters	20,518			
	620 First-line supervisors/managers of construction trades and extraction workers		100.000	20,518	1
558	Supervisors, construction, n.e.c.	652,964			
	620 First-line supervisors/managers of construction trades and extraction workers		87.333	570,255	
	700 First-line supervisors/managers of mechanics, installers, and repairers		4.667	30,472	
	770 First-line supervisors/managers of production and operating workers		4.667	30,472	
	900 Supervisors, transportation and material moving workers		3.333	21,765	
563	Brickmasons and stonemasons	196,939			
	622 Brickmasons, blockmasons, and stonemasons		96.354	189,759	2
	624 Carpet, floor, and tile installers and finishers		3.646	7,180	
564	Brickmason and stonemason apprentices	727			
	622 Brickmasons, blockmasons, and stonemasons		100.000	727	1
565	Tile setters, hard and soft	55,642			
	624 Carpet, floor, and tile installers and finishers		100.000	55,642	1
566	Carpet installers	111,836			
	624 Carpet, floor, and tile installers and finishers		100.000	111,836	1
567	Carpenters	1,360,707			
	623 Carpenters		90.038	1,225,158	3
	624 Carpet, floor, and tile installers and finishers		2.299	31,281	
	633 Drywall installers, ceiling tile installers, and tapers		5.747	78,202	
	660 Helpers, construction trades		1.916	26,067	
569	Carpenter apprentices	4,853			
	623 Carpenters		100.000	4,853	1
573	Drywall installers	150,554			

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	Census 2000 Codes and Categories				
	633 Drywall installers, ceiling tile installers, and tapers		100.000	150,554	1
575	Electricians	635,017			
	635 Electricians		96.316	611,622	2
	713 Security and fire alarm systems installers		3.684	23,395	
576	Electrician apprentices	15,572			
	635 Electricians		100.000	15,572	1
577	Electrical power installers and repairers	120,232			
	635 Electricians		14.286	17,176	
	700 First-line supervisors/managers of mechanics, installers, and repairers		5.357	6,441	
	741 Electrical power-line installers and repairers		69.643	83,733	
	742 Telecommunications line installers and repairers		4.464	5,368	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		6.250	7,515	
579	Painters, construction and maintenance	559,026			
	626 Construction laborers		0.803	4,490	
	642 Painters, construction and maintenance		93.574	523,105	3
	881 Painting workers		5.622	31,431	
583	Paperhangers	17,210			
	642 Painters, construction and maintenance		5.729	986	
	643 Paperhangers		94.271	16,224	3
584	Plasterers	43,109			
	646 Plasterers and stucco masons		100.000	43,109	1
585	Plumbers, pipefitters, and steamfitters	488,858			
	644 Pipelayers, plumbers, pipefitters, and steamfitters		100.000	488,858	1
587	Plumber, pipefitter, and steamfitter apprentices	6,579			
	644 Pipelayers, plumbers, pipefitters, and steamfitters		100.000	6,579	1
588	Concrete and terrazzo finishers	75,945			
	625 Cement masons, concrete finishers, and terrazzo workers		100.000	75,945	1
589	Glaziers	45,595			
	636 Glaziers		100.000	45,595	1
593	Insulation workers	74,412			
	640 Insulation workers		61.143	45,498	
	672 Hazardous materials removal workers		38.857	28,914	
594	Paving, surfacing, and tamping equipment operators	13,110			
	630 Paving, surfacing, and tamping equipment operators		94.872	12,438	3
	(632) Miscellaneous construction equipment operators		1.282	168	
	673 Highway maintenance workers		3.846	504	
595	Roofers	197,183			
	651 Roofers		100.000	197,183	1
596	Sheetmetal duct installers	29,962			
	652 Sheet metal workers		100.000	29,962	1
597	Structural metal workers	75,338			
	(653) Iron and steel workers		92.742	69,870	

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	Census 2000 Codes and Categories				
	774 Structural metal fabricators and fitters		4.032	3,038	
	816 Lay-out workers, metal and plastic		3.226	2,430	
598	Drillers, earth	20,491			
	682 Earth drillers, except oil and gas		100.000	20,491	1
599	Construction trades, n.e.c.	181,103			
	425 Grounds maintenance workers		0.699	1,266	
	623 Carpenters		0.699	1,266	
	624 Carpet, floor, and tile installers and finishers		1.399	2,533	
	625 Cement masons, concrete finishers, and terrazzo workers		1.399	2,533	
	626 Construction laborers		6.993	12,665	
	(632) Miscellaneous construction equipment operators		3.497	6,332	
	644 Pipelayers, plumbers, pipefitters, and steamfitters		16.084	29,128	
	(653) Iron and steel workers		9.790	17,730	
	660 Helpers, construction trades		2.797	5,066	
	671 Fence erectors		13.986	25,329	
	673 Highway maintenance workers		20.280	36,727	
	674 Rail-track laying and maintenance equipment operators		1.399	2,533	
	676 Miscellaneous construction and related workers		14.685	26,596	
	712 Electronic home entertainment equipment installers and repairers		1.399	2,533	
	756 Riggers		3.497	6,332	
	(896) Other production workers		1.399	2,533	
613	Supervisors, extractive occupations	49,319			
	620 First-line supervisors/managers of construction trades and extraction workers		95.890	47,292	2
	900 Supervisors, transportation and material moving workers		4.110	2,027	
614	Drillers, oil well	37,072			
	(680) Derrick, rotary drill, and service unit operators, and roustabouts		78.832	29,225	
	(694) Miscellaneous extraction workers		21.168	7,847	
615	Explosives workers	9,377			
	683 Explosives workers, ordnance handling experts, and blasters		89.691	8,410	
	(896) Other production workers		10.309	967	
616	Mining machine operators	62,318			
	682 Earth drillers, except oil and gas		5.926	3,693	
	684 Mining machine operators		88.148	54,932	
	(694) Miscellaneous extraction workers		5.926	3,693	
617	Mining occupations, n.e.c.	34,776			
	684 Mining machine operators		21.239	7,386	
	(680) Derrick, rotary drill, and service unit operators, and roustabouts		0.885	308	
	(694) Miscellaneous extraction workers		63.717	22,158	
	961 Cleaners of vehicles and equipment		14.159	4,924	
628	Supervisors, production occupations	1,299,637			
	500 First-line supervisors/managers of office and administrative support workers		15.217	197,771	
	620 First-line supervisors/managers of construction trades and extraction workers		2.826	36,729	
	700 First-line supervisors/managers of mechanics, installers, and repairers		2.826	36,729	

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	Census 2000 Codes and Categories				
	770 First-line supervisors/managers of production and operating workers		69.348	901,270	
	836 Textile bleaching and dyeing machine operators and tenders		0.217	2,825	
	900 Supervisors, transportation and material moving workers		9.348	121,488	
	931 Ship and boat captains and operators		0.217	2,825	
634	Tool and die makers	142,814			
	813 Tool and die makers		100.000	142,814	1
635	Tool and die maker apprentices	2,376			
	813 Tool and die makers		100.000	2,376	1
636	Precision assemblers, metal	40,959			
	771 Aircraft structure, surfaces, rigging, and systems assemblers		26.957	11,041	
	773 Engine and other machine assemblers		46.957	19,233	
	775 Miscellaneous assemblers and fabricators		26.087	10,685	
637	Machinists	569,081			
	803 Machinists		98.985	563,304	2
	850 Cabinetmakers and bench carpenters		1.015	5,777	
639	Machinist apprentices	1,543			
	803 Machinists		100.000	1,543	1
643	Boilermakers	24,293			
	621 Boilermakers		100.000	24,293	1
644	Precision grinders, filers, and tool sharpeners	23,069			
	821 Tool grinders, filers, and sharpeners		100.000	23,069	1
645	Patternmakers and model makers, metal	5,442			
	806 Model makers and patternmakers, metal and plastic		98.750	5,374	2
	874 Inspectors, testers, sorters, samplers, and weighers		1.250	68	
646	Lay-out workers	16,987			
	774 Structural metal fabricators and fitters		1.053	179	
	816 Lay-out workers, metal and plastic		95.789	16,272	2
	(855) Miscellaneous woodworkers		1.053	179	
	(896) Other production workers		2.105	358	
647	Precious stones and metals workers (Jewelers)	61,830			
	743 Precision instrument and equipment repairers		0.752	465	
	875 Jewelers and precious stone and metal workers		99.248	61,365	2
649	Engravers, metal	17,158			
	891 Etchers and engravers		100.000	17,158	1
653	Sheet metal workers	143,491			
	652 Sheet metal workers		100.000	143,491	1
654	Sheet metal worker apprentices	951			
	652 Sheet metal workers		100.000	951	1
655	Miscellaneous precision metal workers	2,380			
	774 Structural metal fabricators and fitters		1.333	32	
	775 Miscellaneous assemblers and fabricators		24.000	571	
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		32.000	762	

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	Census 2000 Codes and Categories				
	803 Machinists		2.667	63	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		10.667	254	
	821 Tool grinders, filers, and sharpeners		28.000	666	
	891 Etchers and engravers		1.333	32	
656	Patternmakers and model makers, wood	3,299			
	(855) Miscellaneous woodworkers		93.506	3,085	3
	892 Molders, shapers, and casters, except metal and plastic		6.494	214	
657	Cabinet makers and bench carpenters	71,871			
	850 Cabinetmakers and bench carpenters		100.000	71,871	1
658	Furniture and wood finishers	33,431			
	851 Furniture finishers		100.000	33,431	1
659	Miscellaneous precision woodworkers	2,058			
	854 Woodworking machine setters, operators, and tenders, except sawing		25.000	515	
	(855) Miscellaneous woodworkers		75.000	1,544	
666	Dressmakers	97,258			
	835 Tailors, dressmakers, and sewers		100.000	97,258	1
667	Tailors	56,807			
	835 Tailors, dressmakers, and sewers		100.000	56,807	1
668	Upholsterers	73,938			
	845 Upholsterers		100.000	73,938	1
669	Shoe repairers	28,028			
	833 Shoe and leather workers and repairers		100.000	28,028	1
674	Miscellaneous precision apparel and fabric workers	16,489			
	835 Tailors, dressmakers, and sewers		2.667	440	
	840 Textile cutting machine setters, operators, and tenders		2.667	440	
	(846) Miscellaneous textile, apparel, and furnishings workers		94.667	15,610	3
675	Hand molders and shapers, except jewelers	20,057			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		11.207	2,248	
	892 Molders, shapers, and casters, except metal and plastic		88.793	17,809	
676	Patternmakers, lay-out workers, and cutters	22,890			
	636 Glaziers		4.286	981	
	775 Miscellaneous assemblers and fabricators		0.714	164	
	806 Model makers and patternmakers, metal and plastic		56.429	12,917	
	(846) Miscellaneous textile, apparel, and furnishings workers		36.429	8,339	
	871 Cutting workers		0.714	164	
	892 Molders, shapers, and casters, except metal and plastic		1.429	327	
677	Optical goods workers	74,907			
	352 Opticians, dispensing		70.690	52,952	
	874 Inspectors, testers, sorters, samplers, and weighers		0.575	431	
	876 Medical, dental, and ophthalmic laboratory technicians		28.736	21,525	
678	Dental laboratory and medical appliance technicians	56,964			
	876 Medical, dental, and ophthalmic laboratory technicians		100.000	56,964	1
679	Bookbinders	29,933			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	823 Bookbinders and bindery workers		100.000	29,933	1
683	Electrical and electronic equipment assemblers	309,406			
	772 Electrical, electronics, and electromechanical assemblers		92.857	287,306	3
	773 Engine and other machine assemblers		1.905	5,893	
	775 Miscellaneous assemblers and fabricators		5.238	16,207	
684	Miscellaneous precision workers, n.e.c.	54,214			
	775 Miscellaneous assemblers and fabricators		9.615	5,213	
	(822) Other metalworkers and plastic workers		80.769	43,788	
	865 Crushing, grinding, polishing, mixing, and blending workers		2.885	1,564	
	876 Medical, dental, and ophthalmic laboratory technicians		3.846	2,085	
	883 Photographic process workers and processing machine operators		2.885	1,564	
686	Butchers and meat cutters	278,902			
	781 Butchers and other meat, poultry, and fish processing workers		99.485	277,464	2
	964 Packers and packagers, hand		0.515	1,438	
687	Bakers	159,172			
	780 Bakers		100.000	159,172	1
688	Food batchmakers	53,838			
	784 Food batchmakers		100.000	53,838	1
689	Inspectors, testers, and graders	131,905			
	054 Claims adjusters, appraisers, examiners, and investigators		0.581	767	
	666 Construction and building inspectors		3.488	4,601	
	874 Inspectors, testers, sorters, samplers, and weighers		77.326	101,996	
	941 Transportation inspectors		18.605	24,540	
693	Adjusters and calibrators	8,750			
	056 Compliance officers, except agriculture, construction, health and safety, and transportation		2.899	254	
	743 Precision instrument and equipment repairers		10.145	888	
	772 Electrical, electronics, and electromechanical assemblers		4.348	380	
	775 Miscellaneous assemblers and fabricators		63.043	5,516	
	874 Inspectors, testers, sorters, samplers, and weighers		19.565	1,712	
694	Water and sewage treatment plant operators	61,269			
	860 Power plant operators, distributors, and dispatchers		3.030	1,857	
	862 Water and liquid waste treatment plant and system operators		91.667	56,163	3
	863 Miscellaneous plant and system operators		5.303	3,249	
695	Power plant operators	37,012			
	860 Power plant operators, distributors, and dispatchers		100.000	37,012	1
696	Stationary engineers	161,241			
	733 Industrial and refractory machinery mechanics		2.353	3,794	
	(822) Other metalworkers and plastic workers		1.176	1,897	
	860 Power plant operators, distributors, and dispatchers		8.235	13,279	
	861 Stationary engineers and boiler operators		83.529	134,684	
	965 Pumping station operators		4.706	7,588	
699	Miscellaneous plant and system operators	53,622			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	863 Miscellaneous plant and system operators		97.403	52,229	2
	874 Inspectors, testers, sorters, samplers, and weighers		1.299	696	
	965 Pumping station operators		1.299	696	
703	Lathe and turning machine set-up operators	29,460			
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		7.143	2,104	
	(822) Other metalworkers and plastic workers		92.857	27,356	3
704	Lathe and turning machine operators	36,530			
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		100.000	36,530	1
705	Milling and planing machine operators	6,789			
	(822) Other metalworkers and plastic workers		100.000	6,789	1
706	Punching and stamping press machine operators	110,466			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		97.688	107,912	2
	871 Cutting workers		2.312	2,554	
707	Rolling machine operators	13,743			
	794 Rolling machine setters, operators, and tenders, metal and plastic		94.366	12,969	3
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		1.408	194	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		4.225	581	
708	Drilling and boring machine operators	21,576			
	796 Drilling and boring machine tool setters, operators, and tenders, metal and plastic		100.000	21,576	1
709	Grinding, abrading, buffing, and polishing machine operators	125,458			
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		75.936	95,268	
	854 Woodworking machine setters, operators, and tenders, except sawing		1.070	1,342	
	865 Crushing, grinding, polishing, mixing, and blending workers		21.390	26,836	
	876 Medical, dental, and ophthalmic laboratory technicians		1.604	2,013	
713	Forging machine operators	17,046			
	793 Forging machine setters, operators, and tenders, metal and plastic		95.082	16,208	2
	(896) Other production workers		4.918	838	
714	Numerical control machine operators	1,636			
	790 Computer control programmers and operators		100.000	1,636	1
715	Miscellaneous metal, plastic, stone, and glass working machine operators	25,328			
	754 Locksmiths and safe repairers		7.895	2,000	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		17.763	4,499	
	801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic		6.579	1,666	
	(822) Other metalworkers and plastic workers		63.816	16,163	
	(896) Other production workers		3.947	1,000	
717	Fabricating machine operators, n.e.c.	26,662			
	772 Electrical, electronics, and electromechanical assemblers		5.970	1,592	
	793 Forging machine setters, operators, and tenders, metal and plastic		2.239	597	
	794 Rolling machine setters, operators, and tenders, metal and plastic		5.224	1,393	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		7.463	1,990	
	(822) Other metalworkers and plastic workers		76.119	20,295	
	823 Bookbinders and bindery workers		0.746	199	
	874 Inspectors, testers, sorters, samplers, and weighers		0.746	199	
	(896) Other production workers		1.493	398	
719	Molding and casting machine operators	89,468			
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		5.682	5,083	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		81.250	72,693	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		2.273	2,033	
	892 Molders, shapers, and casters, except metal and plastic		10.795	9,658	
723	Metal plating machine operators	35,397			
	820 Plating and coating machine setters, operators, and tenders, metal and plastic		100.000	35,397	1
724	Heat treating equipment operators	18,543			
	804 Metal furnace and kiln operators and tenders		1.818	337	
	815 Heat treating equipment setters, operators, and tenders, metal and plastic		98.182	18,206	2
725	Miscellaneous metal and plastic processing machine operators	18,959			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		39.568	7,502	
	(822) Other metalworkers and plastic workers		0.719	136	
	865 Crushing, grinding, polishing, mixing, and blending workers		44.604	8,457	
	881 Painting workers		4.317	818	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		10.791	2,046	
726	Wood lathe, routing, and planing machine operators	8,211			
	854 Woodworking machine setters, operators, and tenders, except sawing		100.000	8,211	1
727	Sawing machine operators	94,905			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		4.255	4,039	
	853 Sawing machine setters, operators, and tenders, wood		87.943	83,463	
	(896) Other production workers		7.801	7,404	
728	Shaping and joining machine operators	6,044			
	854 Woodworking machine setters, operators, and tenders, except sawing		98.958	5,981	2
	885 Cementing and gluing machine operators and tenders		1.042	63	
729	Nailing and tacking machine operators	3,219			
	854 Woodworking machine setters, operators, and tenders, except sawing		100.000	3,219	1
733	Miscellaneous woodworking machine operators	43,258			
	775 Miscellaneous assemblers and fabricators		2.521	1,091	
	854 Woodworking machine setters, operators, and tenders, except sawing		33.613	14,541	
	(855) Miscellaneous woodworkers		57.143	24,719	
	885 Cementing and gluing machine operators and tenders		6.723	2,908	
734	Printing press operators	359,781			
	824 Job printers		23.729	85,372	
	825 Prepress technicians and workers		4.661	16,769	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	826 Printing machine operators		71.610	257,640	
735	Photoengravers and lithographers	49,106			
	825 Prepress technicians and workers		100.000	49,106	1
736	Typesetters and compositors	72,353			
	825 Prepress technicians and workers		100.000	72,353	1
737	Miscellaneous printing machine operators	50,905			
	823 Bookbinders and bindery workers		58.382	29,719	
	825 Prepress technicians and workers		13.295	6,768	
	826 Printing machine operators		28.324	14,418	
738	Winding and twisting machine operators	70,620			
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		87.417	61,734	
	(846) Miscellaneous textile, apparel, and furnishings workers		1.325	935	
	893 Paper goods machine setters, operators, and tenders		3.311	2,338	
	(896) Other production workers		7.947	5,612	
739	Knitting, looping, taping, and weaving machine operators	60,223			
	841 Textile knitting and weaving machine setters, operators, and tenders		100.000	60,223	1
743	Textile cutting machine operators	7,839			
	840 Textile cutting machine setters, operators, and tenders		75.000	5,879	
	871 Cutting workers		25.000	1,960	
744	Textile sewing machine operators	783,799			
	832 Sewing machine operators		100.000	783,799	1
745	Shoe machine operators	34,244			
	834 Shoe machine operators and tenders		100.000	34,244	1
747	Pressing machine operators	148,411			
	831 Pressers, textile, garment, and related materials		100.000	148,411	1
748	Laundering and dry cleaning machine operators	219,097			
	830 Laundry and dry-cleaning workers		99.398	217,777	2
	836 Textile bleaching and dyeing machine operators and tenders		0.602	1,320	
749	Miscellaneous textile machine operators	93,339			
	825 Prepress technicians and workers		0.820	765	
	826 Printing machine operators		1.639	1,530	
	836 Textile bleaching and dyeing machine operators and tenders		0.820	765	
	840 Textile cutting machine setters, operators, and tenders		1.639	1,530	
	841 Textile knitting and weaving machine setters, operators, and tenders		0.820	765	
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		4.918	4,590	
	(846) Miscellaneous textile, apparel, and furnishings workers		77.869	72,682	
	854 Woodworking machine setters, operators, and tenders, except sawing		3.279	3,060	
	(896) Other production workers		8.197	7,651	
753	Cementing and gluing machine operators	32,386			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.000	324	
	885 Cementing and gluing machine operators and tenders		99.000	32,062	2
754	Packaging and filling machine operators	281,245			
	880 Packaging and filling machine operators and tenders		98.086	275,862	2

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	885 Cementing and gluing machine operators and tenders		1.914	5,383	
755	Extruding and forming machine operators	27,901			
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		46.203	12,891	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.266	353	
	(846) Miscellaneous textile, apparel, and furnishings workers		3.797	1,060	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		46.835	13,068	
	892 Molders, shapers, and casters, except metal and plastic		1.899	530	
756	Mixing and blending machine operators	111,141			
	781 Butchers and other meat, poultry, and fish processing workers		2.239	2,488	
	784 Food batchmakers		19.403	21,565	
	836 Textile bleaching and dyeing machine operators and tenders		9.701	10,782	
	865 Crushing, grinding, polishing, mixing, and blending workers		67.164	74,647	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.493	1,659	
757	Separating, filtering, and clarifying machine operators	69,630			
	863 Miscellaneous plant and system operators		0.833	580	
	864 Chemical processing machine setters, operators, and tenders		99.167	69,050	2
758	Compressing and compacting machine operators	22,353			
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		97.938	21,892	2
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		1.031	230	
	893 Paper goods machine setters, operators, and tenders		1.031	230	
759	Painting and paint spraying machine operators	136,177			
	636 Glaziers		4.040	5,502	
	715 Automotive body and related repairers		7.576	10,316	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.010	1,376	
	881 Painting workers		87.374	118,983	
763	Roasting and baking machine operators, food	4,748			
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		99.010	4,701	2
	785 Food cooking machine operators and tenders		0.990	47	
764	Washing, cleaning, and pickling machine operators	10,438			
	785 Food cooking machine operators and tenders		2.174	227	
	826 Printing machine operators		1.087	113	
	836 Textile bleaching and dyeing machine operators and tenders		4.348	454	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		92.391	9,644	3
765	Folding machine operators	20,429			
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		1.563	319	
	831 Pressers, textile, garment, and related materials		3.906	798	
	893 Paper goods machine setters, operators, and tenders		85.938	17,556	
	(896) Other production workers		8.594	1,756	
766	Furnace, kiln, and oven operators, exc. food	96,276			
	804 Metal furnace and kiln operators and tenders		51.351	49,439	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.802	1,735	
	(846) Miscellaneous textile, apparel, and furnishings workers		0.901	867	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	861 Stationary engineers and boiler operators		13.514	13,010	
	864 Chemical processing machine setters, operators, and tenders		1.802	1,735	
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		29.730	28,623	
	874 Inspectors, testers, sorters, samplers, and weighers		0.901	867	
768	Crushing and grinding machine operators	45,207			
	800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		10.870	4,914	
	864 Chemical processing machine setters, operators, and tenders		1.087	491	
	865 Crushing, grinding, polishing, mixing, and blending workers		88.043	39,802	
769	Slicing and cutting machine operators	187,949			
	613 Logging workers		0.365	686	
	781 Butchers and other meat, poultry, and fish processing workers		2.190	4,116	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		10.219	19,206	
	840 Textile cutting machine setters, operators, and tenders		20.073	37,727	
	845 Upholsterers		0.365	686	
	853 Sawing machine setters, operators, and tenders, wood		4.380	8,231	
	854 Woodworking machine setters, operators, and tenders, except sawing		2.920	5,488	
	(855) Miscellaneous woodworkers		4.745	8,917	
	864 Chemical processing machine setters, operators, and tenders		1.460	2,744	
	871 Cutting workers		51.460	96,718	
	874 Inspectors, testers, sorters, samplers, and weighers		1.460	2,744	
	963 Machine feeders and offbearers		0.365	686	
773	Motion picture projectionists	10,357			
	441 Motion picture projectionists		100.000	10,357	1
774	Photographic process machine operators	101,939			
	(290) Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		0.629	641	
	291 Photographers		6.918	7,052	
	590 Office machine operators, except computer		5.031	5,129	
	825 Prepress technicians and workers		15.094	15,387	
	883 Photographic process workers and processing machine operators		70.440	71,806	
	(896) Other production workers		1.887	1,923	
777	Miscellaneous machine operators, n.e.c.	611,270			
	772 Electrical, electronics, and electromechanical assemblers		0.876	5,354	
	780 Bakers		0.292	1,785	
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		0.438	2,677	
	784 Food batchmakers		0.292	1,785	
	785 Food cooking machine operators and tenders		0.438	2,677	
	792 Extruding and drawing machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	793 Forging machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	795 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		0.584	3,569	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	820 Plating and coating machine setters, operators, and tenders, metal and plastic		0.292	1,785	
	(822) Other metalworkers and plastic workers		27.299	166,872	
	826 Printing machine operators		0.730	4,462	
	834 Shoe machine operators and tenders		0.292	1,785	
	842 Textile winding, twisting, and drawing out machine setters, operators, and tenders		0.730	4,462	
	(846) Miscellaneous textile, apparel, and furnishings workers		0.146	892	
	863 Miscellaneous plant and system operators		0.730	4,462	
	864 Chemical processing machine setters, operators, and tenders		0.876	5,354	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.022	6,247	
	871 Cutting workers		0.730	4,462	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.460	8,924	
	873 Furnace, kiln, oven, drier, and kettle operators and tenders		0.584	3,569	
	876 Medical, dental, and ophthalmic laboratory technicians		0.146	892	
	880 Packaging and filling machine operators and tenders		1.022	6,247	
	881 Painting workers		0.292	1,785	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		0.438	2,677	
	891 Etchers and engravers		0.292	1,785	
	892 Molders, shapers, and casters, except metal and plastic		0.584	3,569	
	893 Paper goods machine setters, operators, and tenders		2.044	12,493	
	894 Tire builders		1.752	10,708	
	(896) Other production workers		54.599	333,744	
	963 Machine feeders and offbearers		0.438	2,677	
779	Machine operators, not specified	956,865			
	676 Miscellaneous construction and related workers		0.508	4,857	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		1.015	9,714	
	774 Structural metal fabricators and fitters		1.523	14,572	
	780 Bakers		0.508	4,857	
	783 Food and tobacco roasting, baking, and drying machine operators and tenders		0.508	4,857	
	804 Metal furnace and kiln operators and tenders		0.508	4,857	
	(822) Other metalworkers and plastic workers		14.213	136,001	
	825 Prepress technicians and workers		0.508	4,857	
	833 Shoe and leather workers and repairers		1.015	9,714	
	(846) Miscellaneous textile, apparel, and furnishings workers		1.015	9,714	
	872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders		3.046	29,143	
	880 Packaging and filling machine operators and tenders		2.538	24,286	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		1.523	14,572	
	893 Paper goods machine setters, operators, and tenders		1.015	9,714	
	895 Helpers--production workers		0.508	4,857	
	(896) Other production workers		66.497	636,291	
	(942) Miscellaneous transportation workers		0.508	4,857	
	963 Machine feeders and offbearers		3.046	29,143	
783	Welders and cutters	643,978			

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	814 Welding, soldering, and brazing workers		99.519	640,882	2
	(896) Other production workers		0.481	3,096	
784	Solderers and brazers	28,237			
	814 Welding, soldering, and brazing workers		100.000	28,237	1
785	Assemblers	1,573,979			
	676 Miscellaneous construction and related workers		0.302	4,748	
	703 Avionics technicians		0.151	2,374	
	711 Electronic equipment installers and repairers, motor vehicles		0.151	2,374	
	715 Automotive body and related repairers		0.302	4,748	
	716 Automotive glass installers and repairers		0.151	2,374	
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		0.754	11,870	
	771 Aircraft structure, surfaces, rigging, and systems assemblers		3.167	49,855	
	772 Electrical, electronics, and electromechanical assemblers		7.843	123,449	
	773 Engine and other machine assemblers		2.715	42,732	
	774 Structural metal fabricators and fitters		0.603	9,496	
	775 Miscellaneous assemblers and fabricators		70.739	1,113,418	
	(822) Other metalworkers and plastic workers		1.056	16,618	
	833 Shoe and leather workers and repairers		0.151	2,374	
	845 Upholsterers		0.302	4,748	
	(846) Miscellaneous textile, apparel, and furnishings workers		0.302	4,748	
	874 Inspectors, testers, sorters, samplers, and weighers		1.207	18,992	
	875 Jewelers and precious stone and metal workers		0.151	2,374	
	880 Packaging and filling machine operators and tenders		1.056	16,618	
	893 Paper goods machine setters, operators, and tenders		0.905	14,244	
	(896) Other production workers		7.994	125,823	
786	Hand cutting and trimming occupations	16,505			
	781 Butchers and other meat, poultry, and fish processing workers		51.111	8,436	
	871 Cutting workers		48.889	8,069	
787	Hand molding, casting, and forming occupations	26,409			
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		28.713	7,583	
	892 Molders, shapers, and casters, except metal and plastic		71.287	18,826	
789	Hand painting, coating, and decorating occupations	45,058			
	784 Food batchmakers		1.667	751	
	871 Cutting workers		0.833	375	
	881 Painting workers		97.500	43,932	2
793	Hand engraving and printing occupations	14,854			
	826 Printing machine operators		38.667	5,744	
	891 Etchers and engravers		61.333	9,110	
795	Miscellaneous hand working occupations	43,633			
	(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		1.739	759	
	775 Miscellaneous assemblers and fabricators		10.435	4,553	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	785 Food cooking machine operators and tenders		6.957	3,035	
	831 Pressers, textile, garment, and related materials		6.957	3,035	
	835 Tailors, dressmakers, and sewers		3.478	1,518	
	(846) Miscellaneous textile, apparel, and furnishings workers		1.739	759	
	854 Woodworking machine setters, operators, and tenders, except sawing		8.696	3,794	
	865 Crushing, grinding, polishing, mixing, and blending workers		11.304	4,932	
	871 Cutting workers		4.348	1,897	
	894 Tire builders		4.348	1,897	
	(896) Other production workers		40.000	17,453	
796	Production inspectors, checkers, and examiners	625,008			
	604 Graders and sorters, agricultural products		3.311	20,696	
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		0.331	2,070	
	874 Inspectors, testers, sorters, samplers, and weighers		94.702	591,895	3
	941 Transportation inspectors		1.656	10,348	
797	Production testers	60,144			
	874 Inspectors, testers, sorters, samplers, and weighers		99.225	59,678	2
	941 Transportation inspectors		0.775	466	
798	Production samplers and weighers	10,790			
	604 Graders and sorters, agricultural products		2.062	222	
	874 Inspectors, testers, sorters, samplers, and weighers		97.938	10,568	2
799	Graders and sorters, exc. agricultural	138,183			
	604 Graders and sorters, agricultural products		13.450	18,586	
	874 Inspectors, testers, sorters, samplers, and weighers		57.895	80,001	
	875 Jewelers and precious stone and metal workers		0.585	808	
	964 Packers and packagers, hand		28.070	38,788	
803	Supervisors, motor vehicle operators	80,351			
	700 First-line supervisors/managers of mechanics, installers, and repairers		3.604	2,896	
	900 Supervisors, transportation and material moving workers		96.396	77,455	2
804	Truck drivers	2,908,952			
	(605) Miscellaneous agricultural workers, including animal breeders		0.830	24,141	
	613 Logging workers		0.415	12,070	
	913 Driver/sales workers and truck drivers		95.021	2,764,108	2
	914 Taxi drivers and chauffeurs		3.734	108,633	
806	Driver-sales workers	143,353			
	751 Coin, vending, and amusement machine servicers and repairers		36.913	52,916	
	913 Driver/sales workers and truck drivers		63.087	90,437	
808	Bus drivers	447,570			
	912 Bus drivers		96.552	432,137	2
	914 Taxi drivers and chauffeurs		3.448	15,433	
809	Taxicab drivers and chauffeurs	207,333			
	912 Bus drivers		2.685	5,566	
	914 Taxi drivers and chauffeurs		90.604	187,852	3
	(915) Miscellaneous motor vehicle operators		6.711	13,915	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
813	Parking lot attendants	46,559			
	935 Parking lot attendants		100.000	46,559	1
814	Motor transportation occupations, n.e.c.	3,789			
	(915) Miscellaneous motor vehicle operators		100.000	3,789	1
823	Railroad conductors and yardmasters	37,573			
	924 Railroad conductors and yardmasters		100.000	37,573	1
824	Locomotive operating occupations	45,966			
	920 Locomotive engineers and operators		98.052	45,071	2
	926 Subway, streetcar, and other rail transportation workers		1.948	895	
825	Railroad brake, signal, and switch operators	33,259			
	923 Railroad brake, signal, and switch operators		100.000	33,259	1
826	Rail vehicle operators, n.e.c.	5,048			
	926 Subway, streetcar, and other rail transportation workers		100.000	5,048	1
828	Ship captains and mates, except fishing boats	32,997			
	931 Ship and boat captains and operators		100.000	32,997	1
829	Sailors and deckhands	25,945			
	930 Sailors and marine oilers		97.656	25,337	2
	952 Dredge, excavating, and loading machine operators		2.344	608	
833	Marine engineers	4,152			
	930 Sailors and marine oilers		18.750	779	
	933 Ship engineers		81.250	3,374	
834	Bridge, lock, and lighthouse tenders	6,167			
	(942) Miscellaneous transportation workers		100.000	6,167	1
843	Supervisors, material moving equipment operators	23,803			
	900 Supervisors, transportation and material moving workers		100.000	23,803	1
844	Operating engineers	241,812			
	(632) Miscellaneous construction equipment operators		96.129	232,452	2
	952 Dredge, excavating, and loading machine operators		3.226	7,800	
	956 Hoist and winch operators		0.645	1,560	
845	Longshore equipment operators	4,403			
	951 Crane and tower operators		50.000	2,202	
	962 Laborers and freight, stock, and material movers, hand		12.500	550	
	(975) Miscellaneous material moving workers		37.500	1,651	
848	Hoist and winch operators	20,300			
	613 Logging workers		9.524	1,933	
	(680) Derrick, rotary drill, and service unit operators, and roustabouts		30.159	6,122	
	(694) Miscellaneous extraction workers		12.698	2,578	
	952 Dredge, excavating, and loading machine operators		0.794	161	
	956 Hoist and winch operators		46.825	9,506	
849	Crane and tower operators	81,825			
	951 Crane and tower operators		100.000	81,825	1
853	Excavating and loading machine operators	95,983			
	(632) Miscellaneous construction equipment operators		24.793	23,797	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
	684 Mining machine operators		0.826	793	
	(694) Miscellaneous extraction workers		0.826	793	
	952 Dredge, excavating, and loading machine operators		73.554	70,599	
855	Grader, dozer, and scraper operators	64,880			
	630 Paving, surfacing, and tamping equipment operators		18.182	11,796	
	(632) Miscellaneous construction equipment operators		81.818	53,084	
856	Industrial truck and tractor equipment operators	441,859			
	613 Logging workers		0.595	2,630	
	(632) Miscellaneous construction equipment operators		1.786	7,890	
	960 Industrial truck and tractor operators		97.619	431,339	2
859	Miscellaneous material moving equipment operators	95,095			
	392 Security guards and gaming surveillance officers		0.943	897	
	672 Hazardous materials removal workers		2.830	2,691	
	684 Mining machine operators		1.887	1,794	
	(694) Miscellaneous extraction workers		3.774	3,588	
	756 Riggers		0.943	897	
	(896) Other production workers		2.830	2,691	
	956 Hoist and winch operators		0.943	897	
	962 Laborers and freight, stock, and material movers, hand		18.868	17,942	
	965 Pumping station operators		16.038	15,251	
	(975) Miscellaneous material moving workers		50.943	48,445	
864	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	15,668			
	900 Supervisors, transportation and material moving workers		100.000	15,668	1
865	Helpers, mechanics and repairers	21,871			
	660 Helpers, construction trades		1.205	264	
	761 Helpers--installation, maintenance, and repair workers		98.795	21,607	2
866	Helpers, construction trades	85,604			
	626 Construction laborers		3.788	3,243	
	660 Helpers, construction trades		93.939	80,416	3
	761 Helpers--installation, maintenance, and repair workers		1.515	1,297	
	(975) Miscellaneous material moving workers		0.758	649	
867	Helpers, surveyor	4,675			
	155 Engineering technicians, except drafters		0.962	45	
	156 Surveying and mapping technicians		88.462	4,136	
	660 Helpers, construction trades		10.577	494	
868	Helpers, extractive occupations	2,433			
	(694) Miscellaneous extraction workers		100.000	2,433	1
869	Construction laborers	1,149,780			
	394 Crossing guards		7.426	85,380	
	626 Construction laborers		81.188	933,485	
	660 Helpers, construction trades		4.950	56,920	
	673 Highway maintenance workers		5.446	62,612	
	(694) Miscellaneous extraction workers		0.990	11,384	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
874	Production helpers	37,983			
	761 Helpers--installation, maintenance, and repair workers		4.688	1,780	
	895 Helpers--production workers		86.719	32,938	
	(896) Other production workers		6.250	2,374	
	962 Laborers and freight, stock, and material movers, hand		2.344	890	
875	Garbage collectors	59,909			
	972 Refuse and recyclable material collectors		100.000	59,909	1
876	Stevedores	11,483			
	(896) Other production workers		1.626	187	
	962 Laborers and freight, stock, and material movers, hand		98.374	11,296	2
877	Stock handlers and baggers	1,030,362			
	562 Stock clerks and order fillers		55.682	573,724	
	(896) Other production workers		3.409	35,126	
	962 Laborers and freight, stock, and material movers, hand		39.205	403,949	
	964 Packers and packagers, hand		1.705	17,563	
878	Machine feeders and offbearers	87,209			
	(846) Miscellaneous textile, apparel, and furnishings workers		3.125	2,725	
	865 Crushing, grinding, polishing, mixing, and blending workers		1.563	1,363	
	895 Helpers--production workers		3.125	2,725	
	(896) Other production workers		7.031	6,132	
	962 Laborers and freight, stock, and material movers, hand		13.281	11,582	
	963 Machine feeders and offbearers		71.094	62,000	
	(975) Miscellaneous material moving workers		0.781	681	
883	Freight, stock, and material handlers, n.e.c.	572,957			
	554 Postal service clerks		8.264	47,352	
	613 Logging workers		0.826	4,735	
	(694) Miscellaneous extraction workers		0.413	2,368	
	(896) Other production workers		5.372	30,779	
	(942) Miscellaneous transportation workers		2.066	11,838	
	962 Laborers and freight, stock, and material movers, hand		83.058	475,886	
885	Garage and service station related occupations	270,227			
	726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		24.031	64,938	
	761 Helpers--installation, maintenance, and repair workers		0.775	2,095	
	936 Service station attendants		75.194	203,194	
887	Vehicle washers and equipment cleaners	232,516			
	422 Janitors and building cleaners		9.697	22,547	
	961 Cleaners of vehicles and equipment		90.303	209,969	3
888	Hand packers and packagers	368,341			
	496 Sales and related workers, all other		4.762	17,540	
	781 Butchers and other meat, poultry, and fish processing workers		7.937	29,233	
	(896) Other production workers		4.762	17,540	
	962 Laborers and freight, stock, and material movers, hand		3.968	14,617	
	964 Packers and packagers, hand		78.571	289,411	

**Table 3. 1990 Census EEO File Occupation Categories and
Their Redistribution into the Census 2000 EEO File Occupation Categories**

1990 Census Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
	Census 2000 Codes and Categories				
889	Laborers, except construction	1,291,166			
	422 Janitors and building cleaners		3.283	42,387	
	425 Grounds maintenance workers		1.010	13,042	
	(535) Correspondence clerks and order clerks		1.515	19,563	
	562 Stock clerks and order fillers		6.818	88,034	
	604 Graders and sorters, agricultural products		0.253	3,261	
	(605) Miscellaneous agricultural workers, including animal breeders		2.525	32,605	
	(610) Fishing and hunting workers		0.253	3,261	
	612 Forest and conservation workers		0.505	6,521	
	674 Rail-track laying and maintenance equipment operators		0.758	9,782	
	675 Septic tank servicers and sewer pipe cleaners		1.515	19,563	
	(680) Derrick, rotary drill, and service unit operators, and roustabouts		0.253	3,261	
	(694) Miscellaneous extraction workers		0.758	9,782	
	734 Maintenance and repair workers, general		0.253	3,261	
	761 Helpers--installation, maintenance, and repair workers		0.505	6,521	
	781 Butchers and other meat, poultry, and fish processing workers		1.263	16,303	
	785 Food cooking machine operators and tenders		0.505	6,521	
	810 Molders and molding machine setters, operators, and tenders, metal and plastic		1.010	13,042	
	830 Laundry and dry-cleaning workers		0.505	6,521	
	(846) Miscellaneous textile, apparel, and furnishings workers		1.263	16,303	
	871 Cutting workers		0.505	6,521	
	886 Cleaning, washing, and metal pickling equipment operators and tenders		0.253	3,261	
	895 Helpers--production workers		3.788	48,908	
	(896) Other production workers		22.222	286,926	
	926 Subway, streetcar, and other rail transportation workers		1.010	13,042	
	936 Service station attendants		0.253	3,261	
	961 Cleaners of vehicles and equipment		2.525	32,605	
	962 Laborers and freight, stock, and material movers, hand		40.657	524,944	
	963 Machine feeders and offbearers		0.505	6,521	
	964 Packers and packagers, hand		0.758	9,782	
	972 Refuse and recyclable material collectors		2.020	26,084	
	(975) Miscellaneous material moving workers		0.758	9,782	
992	Unemployed, no recent civilian work experience	999,951			
	992 Unemployed, not classified by occupation		100.000	999,951	1

(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was a military specific occupation, or who never worked.)

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

Table 8. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Census 2000 Industry Classification			
<i>Note the following:</i>			
1. the categories and groupings of categories in this table are shown in the order provided on most Census Bureau publications and files, NOT in numerical order;			
2. numbers and percents may not always add to totals due to rounding;			
3. for a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.			
1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories		Number	Number
Total Civilian Labor Force		123,473,450	137,668,798
Agriculture, forestry, fishing and hunting, and mining:		3,427,137	2,619,773
Agriculture, forestry, fishing and hunting		2,656,313	2,094,972
017	Crop production	1,388,550	1,083,740
018	Animal production	811,252	647,857
019	Forestry except logging	67,368	42,700
027	Logging	158,536	136,184
028	Fishing, hunting, and trapping	75,957	62,154
029	Support activities for agriculture and forestry	154,650	122,337
Mining		770,824	524,801
037	Oil and gas extraction	160,462	66,016
038	Coal mining	168,923	79,124
039	Metal ore mining	62,556	22,420
047	Nonmetallic mineral mining and quarrying	122,739	126,021
049	Support activities for mining	256,144	231,220
077	Construction	7,948,779	9,483,169
Manufacturing		21,051,551	19,194,445
Food		1,557,672	1,523,827
107	Animal food, grain, and oilseed milling	128,269	119,618
108	Sugar and confectionery products	102,916	93,383
109	Fruit and vegetable preserving and specialty food manufacturing	179,740	169,768
117	Dairy product manufacturing	151,472	115,147
118	Animal slaughtering and processing	324,027	445,092
119	Retail bakeries	188,590	161,090
127	Bakeries except retail	210,846	165,271
128	Seafood and other miscellaneous foods n.e.c.	165,052	167,156
129	Not specified food industries	106,760	87,302
Beverage and tobacco products		241,316	226,688
137	Beverage manufacturing	186,530	186,795
139	Tobacco manufacturing	54,786	39,893
Textile mills and textile products		862,903	615,359
147	Fiber, yarn, and thread mills	92,052	55,649
148	Fabric mills, except knitting	486,157	199,001
149	Textile and fabric finishing and coating mills	61,802	80,239
157	Carpets and rugs manufacturing	74,239	76,821
159	Textile product mills except carpets and rugs	148,653	203,649

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories		Number	Number
	Apparel	1,188,599	570,659
167	Knitting mills	170,052	85,122
168	Cut and sew apparel manufacturing	965,052	414,982
169	Apparel accessories and other apparel manufacturing	53,495	70,555
	Leather and allied products	157,720	86,253
177	Footwear manufacturing	102,039	42,886
179	Leather tanning and products, except footwear manufacturing	55,681	43,367
	Wood products	542,378	582,418
377	Sawmills and wood preservation	137,596	143,686
378	Veneer, plywood, and engineered wood product manufacturing	92,973	74,900
379	Prefabricated wood buildings and mobile homes manufacturing	50,175	87,631
387	Miscellaneous wood product manufacturing	261,634	276,201
	Paper	651,917	606,698
187	Pulp, paper, and paperboard mills	303,382	286,198
188	Paperboard containers and boxes	166,902	166,591
189	Miscellaneous paper and pulp products	181,633	153,909
199	Printing and related support activities	1,050,992	896,710
	Petroleum and coal products	225,233	169,723
207	Petroleum refining	191,369	135,532
209	Miscellaneous petroleum and coal products	33,864	34,191
	Chemical	1,291,096	1,166,360
217	Resin, synthetic rubber and fibers, and filaments manufacturing	247,103	58,623
218	Agricultural chemical manufacturing	44,410	34,092
219	Pharmaceutical and medicine manufacturing	272,178	370,537
227	Paint, coating, and adhesives manufacturing	91,144	78,140
228	Soap, cleaning compound, and cosmetic manufacturing	154,410	128,574
229	Industrial and miscellaneous chemicals	481,851	496,394
	Plastics and rubber products	690,032	895,948
237	Plastics product manufacturing	481,176	680,967
238	Tire manufacturing	110,774	104,056
239	Rubber products, except tires, manufacturing	98,082	110,925
	Nonmetallic mineral products	573,974	540,405
247	Pottery, ceramics, and related products manufacturing	50,239	48,970
248	Structural clay product manufacturing	55,859	43,099
249	Glass and glass product manufacturing	221,741	180,500
257	Cement, concrete, lime, and gypsum product manufacturing	144,335	181,750
259	Miscellaneous nonmetallic mineral product manufacturing	101,799	86,086
	Metal	2,427,889	2,316,620
267	Iron and steel mills and steel product manufacturing	365,715	343,354
268	Aluminum production and processing	107,851	104,559
269	Nonferrous metal, except aluminum, production and processing	109,127	73,216

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000	
Census 2000 Codes and Categories		Number	Number	
277	Foundries	183,536	190,226	3.6%
278	Metal forgings and stampings	102,807	128,444	24.9%
279	Cutlery and hand tool manufacturing	99,415	73,575	-26.0%
287	Structural metals and tank and shipping container manufacturing	444,204	445,558	0.3%
288	Machine shops; turned product; screw nut and bolt manufacturing	364,224	417,395	14.6%
289	Coating, engraving, heat treating and allied activities	121,711	126,626	4.0%
297	Ordnance	82,996	32,317	-61.1%
298	Miscellaneous fabricated metal products manufacturing	399,318	351,638	-11.9%
299	Not specified metal industries	46,985	29,712	-36.8%
	Machinery	1,610,204	1,424,398	-11.5%
307	Agricultural implement manufacturing	102,527	103,690	1.1%
308	Construction mining and oil field machinery manufacturing	127,068	128,998	1.5%
309	Commercial and service industry machinery manufacturing	200,830	162,059	-19.3%
317	Metalworking machinery manufacturing	257,244	236,597	-8.0%
318	Engines, turbines, and power transmission equipment manufacturing	124,695	100,051	-19.8%
319	Machinery manufacturing, n.e.c.	742,524	666,517	-10.2%
329	Not specified machinery manufacturing	55,317	26,486	-52.1%
	Computer and electronic products	1,776,973	1,960,923	10.4%
336	Computer and peripheral equipment manufacturing	522,192	442,471	-15.3%
337	Communications, audio, and video equipment manufacturing	310,186	281,694	-9.2%
338	Navigational, measuring, electromedical, and control instruments manufacturing	274,574	254,866	-7.2%
339	Electronic component and product manufacturing, n.e.c.	670,022	981,892	46.5%
	Electrical equipment, appliances, and components	1,034,562	600,370	-42.0%
347	Household appliance manufacturing	130,168	119,236	-8.4%
349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.	904,395	481,134	-46.8%
	Transportation equipment	2,840,858	2,492,923	-12.2%
357	Motor vehicles and motor vehicle equipment manufacturing	1,384,230	1,533,495	10.8%
358	Aircraft and parts manufacturing	684,093	451,250	-34.0%
359	Aerospace product and parts manufacturing	405,860	242,068	-40.4%
367	Railroad rolling stock manufacturing	27,434	37,477	36.6%
368	Ship and boat building	290,380	191,559	-34.0%
369	Other transportation equipment manufacturing	48,861	37,074	-24.1%
389	Furniture and related products	686,553	709,336	3.3%
	Miscellaneous manufacturing	1,640,679	1,808,827	10.2%
396	Medical equipment and supplies manufacturing	361,280	461,261	27.7%
397	Toys, amusement, and sporting goods manufacturing	142,405	145,363	2.1%
398	Miscellaneous manufacturing, n.e.c.	400,137	455,563	13.9%
399	Not specified manufacturing industries	736,857	746,640	1.3%
	Wholesale trade	5,253,944	4,878,340	-7.1%
407	Motor vehicles, parts and supplies	344,499	270,892	-21.4%
408	Furniture and home furnishings	111,567	106,012	-5.0%

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000	
Census 2000 Codes and Categories	Number	Number		
409	Lumber and construction materials	201,710	191,966	-4.8%
417	Professional and commercial equipment and supplies	194,462	429,426	120.8%
418	Metals and minerals, except petroleum	92,464	90,389	-2.2%
419	Electrical goods	357,606	390,307	9.1%
426	Hardware, plumbing and heating equipment, and supplies	287,398	187,321	-34.8%
427	Machinery, equipment, and supplies	950,142	549,572	-42.2%
428	Recyclable materials	157,741	121,585	-22.9%
429	Miscellaneous durable goods	152,150	230,121	51.2%
437	Paper and paper products	135,708	123,484	-9.0%
438	Drugs, druggist sundries, chemicals and allied products	203,720	209,549	2.9%
439	Apparel, piece goods and notions	143,254	134,300	-6.3%
447	Groceries and related products	856,231	884,773	3.3%
448	Farm product raw materials	66,222	46,085	-30.4%
449	Petroleum and petroleum products	178,884	164,944	-7.8%
456	Alcoholic beverages	127,390	134,238	5.4%
457	Farm supplies	93,700	84,408	-9.9%
	Miscellaneous nondurable goods	599,096	528,968	-11.7%
458	Miscellaneous nondurable goods wholesalers	226,395	227,821	0.6%
459	Not specified wholesale trade	372,700	301,147	-19.2%
	Retail trade	14,621,895	16,260,754	11.2%
	Motor vehicle and parts dealers	1,677,893	1,804,864	7.6%
467	Automobile dealers	1,189,447	1,201,601	1.0%
468	Other motor vehicle dealers	92,691	151,727	63.7%
469	Auto parts, accessories, and tire stores	395,755	451,536	14.1%
	Furniture and home furnishings and household appliances	660,803	741,443	12.2%
477	Furniture and home furnishings stores	552,484	649,246	17.5%
478	Household appliance stores	108,319	92,197	-14.9%
479	Radio, TV and computer stores	407,219	828,653	103.5%
	Building materials, hardware, and lawn and garden equipment stores	791,505	1,235,622	56.1%
487	Building material and supplies dealers	484,159	817,688	68.9%
488	Hardware stores	196,638	202,117	2.8%
489	Lawn and garden equipment and supplies stores	110,708	215,817	94.9%
	Food and beverage stores	3,381,639	3,354,435	-0.8%
497	Grocery stores	3,026,264	3,033,947	0.3%
498	Specialty food stores	209,264	213,560	2.1%
499	Beer, wine, and liquor stores	146,111	106,928	-26.8%
507	Pharmacies and drug stores	605,495	702,506	16.0%
508	Other health and personal care stores	176,615	252,259	42.8%
509	Gasoline stations	618,725	451,502	-27.0%
	Clothing and apparel including shoes	962,853	899,434	-6.6%
517	Clothing and accessories, except shoe, stores	783,943	742,420	-5.3%

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000			Census 2000	Percent Change, 1990-2000	
Census 2000 Codes and Categories			Number	Number	
518	Shoe stores		178,910	157,014	-12.2%
519	Jewelry, luggage and leather goods		194,094	194,944	0.4%
527	Sporting goods, cameras, and hobby and toy stores		336,145	405,539	20.6%
528	Sewing, needlework, and piece goods		76,213	56,383	-26.0%
529	Music stores		124,118	147,095	18.5%
537	Book stores and news dealers		121,682	182,039	49.6%
	Department and other general stores		2,225,370	2,537,137	14.0%
538	Department stores		1,919,006	2,398,187	25.0%
539	Miscellaneous general merchandise stores		306,364	138,950	-54.6%
547	Florists		196,844	183,957	-6.5%
548	Office supplies and stationery		131,578	208,494	58.5%
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores		616,685	888,126	44.0%
549	Used merchandise stores		122,380	209,516	71.2%
557	Gift, novelty, and souvenir shops		197,187	273,266	38.6%
558	Miscellaneous retail stores		297,118	405,344	36.4%
559	Electronic shopping and mail order houses		152,164	308,534	102.8%
567	Vending machine operators		79,940	61,541	-23.0%
568	Fuel dealers		122,900	64,608	-47.4%
	Other direct selling establishments		961,415	751,639	-21.8%
569	Other direct selling establishments		214,406	220,482	2.8%
579	Not specified retail trade		747,009	531,157	-28.9%
	Transportation and warehousing, and utilities		6,425,212	7,018,503	9.2%
	Transportation and warehousing		5,105,056	5,816,354	13.9%
607	Air transportation		640,071	683,761	6.8%
608	Rail transportation		312,918	276,049	-11.8%
609	Water transportation		68,951	55,043	-20.2%
617	Truck transportation		1,405,647	1,773,307	26.2%
637	Postal Service		907,133	921,485	1.6%
	Other transportation		1,539,816	1,814,714	17.9%
618	Bus service and urban transit		388,519	466,519	20.1%
619	Taxi and limousine service		141,570	189,190	33.6%
627	Pipeline transportation		56,213	30,241	-46.2%
628	Scenic and sightseeing transportation		43,252	30,076	-30.5%
629	Services incidental to transportation		588,972	630,669	7.1%
638	Courier and messengers		321,291	468,019	45.7%
639	Warehousing and storage		230,519	291,995	26.7%
	Utilities		1,320,156	1,202,149	-8.9%
057	Electric power generation transmission and distribution		651,412	669,939	2.8%
058	Natural gas distribution		128,411	136,006	5.9%
059	Electric and gas and other combinations		143,405	46,318	-67.7%
067	Water, steam, air-conditioning, and irrigation systems		192,742	218,249	13.2%

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories		Number	Number
068	Sewage treatment facilities	88,508	85,209
069	Not specified utilities	115,678	46,428
Information		3,504,430	4,166,645
Publishing, and motion picture and sound recording industries		1,413,254	1,412,285
647	Newspaper publishers	534,505	538,001
648	Publishing except newspapers and software	470,507	430,665
649	Software publishing	47,773	60,125
657	Motion pictures and video industries	317,762	341,702
659	Sound recording industries	42,707	41,792
Broadcasting and telecommunications		1,634,701	1,995,234
667	Radio and television broadcasting and cable	414,986	610,448
668	Wired telecommunications carriers	816,845	963,601
669	Other telecommunication services	402,870	421,185
Information services and data processing services		456,475	759,126
677	Libraries and archives	218,899	265,530
678	Other information services	28,286	275,454
679	Data processing services	209,289	218,142
Finance, insurance, real estate and rental and leasing		8,406,486	9,229,684
Finance and insurance		6,111,292	6,682,880
687	Banking and related activities	2,009,028	1,925,333
688	Savings institutions, including credit unions	286,659	210,114
689	Non-depository credit and related activities	569,639	883,499
697	Securities, commodities, funds, trusts, and other financial investments	806,109	1,133,358
699	Insurance carriers and related activities	2,439,857	2,530,576
Real estate and rental and leasing		2,295,194	2,546,804
707	Real estate	1,900,648	2,036,085
708	Automotive equipment rental and leasing	154,439	186,911
717	Video tape and disk rental	127,165	135,414
718	Other consumer goods rental	69,371	108,407
719	Commercial, industrial, and other intangible assets rental and leasing	43,571	79,987
Professional, scientific, management, administrative, and waste		9,583,572	12,788,103
Professional, scientific, and technical services		5,765,907	7,834,500
727	Legal services	1,357,349	1,536,403
728	Accounting, tax preparation, bookkeeping and payroll services	828,533	910,296
729	Architectural, engineering, and related services	1,099,904	1,245,347
737	Specialized design services	181,935	280,620
738	Computer systems design and related services	428,535	1,284,534
739	Management, scientific and technical consulting services	581,476	1,004,182
746	Scientific research and development services	370,339	478,361
747	Advertising and related services	470,961	568,320
748	Veterinary services	134,404	224,790

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000			Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories			Number	Number
749	Other professional, scientific and technical services	312,471	301,647	-3.5%
757	Management of companies and enterprises	11,182	72,352	547.1%
	Administrative and support, and waste management services	3,806,484	4,881,251	28.2%
758	Employment services	498,403	953,858	91.4%
759	Business support services	436,219	648,424	48.6%
767	Travel arrangement and reservation services	327,807	319,185	-2.6%
768	Investigation and security services	442,420	552,726	24.9%
769	Services to buildings and dwellings	979,804	958,393	-2.2%
777	Landscaping services	665,485	890,701	33.8%
778	Other administrative and other support services	70,179	216,238	208.1%
779	Waste management and remediation services	386,166	341,726	-11.5%
	Educational, health, and social services	21,775,021	26,669,541	22.5%
	Educational services	9,613,994	11,637,282	21.0%
786	Elementary and secondary schools	6,487,630	7,940,753	22.4%
787	Colleges and universities, including junior colleges	2,733,516	3,211,901	17.5%
788	Business, technical, and trade schools and training	148,956	134,184	-9.9%
789	Other schools, instruction, and educational services	243,892	350,444	43.7%
	Health care and social assistance	12,161,028	15,032,259	23.6%
	Health care	10,326,567	12,373,886	19.8%
797	Offices of physicians	1,035,009	1,636,855	58.1%
798	Offices of dentists	565,519	691,485	22.3%
799	Office of chiropractors	96,114	115,862	20.5%
807	Offices of optometrists	64,085	89,414	39.5%
808	Offices of other health practitioners	287,717	271,706	-5.6%
809	Outpatient care centers	360,379	576,698	60.0%
817	Home health care services	277,090	654,316	136.1%
818	Other health care services	519,424	730,782	40.7%
819	Hospitals	5,345,067	5,391,763	0.9%
827	Nursing care facilities	1,273,938	1,676,202	31.6%
829	Residential care facilities, without nursing	502,224	538,803	7.3%
	Social assistance	1,834,461	2,658,373	44.9%
837	Individual and family services	543,595	671,778	23.6%
838	Community food and housing, and emergency services	47,431	66,381	40.0%
839	Vocational rehabilitation services	131,449	256,460	95.1%
847	Child day care services	1,111,986	1,663,754	49.6%
	Arts, entertainment, recreation, accommodation and food services	9,271,233	11,274,668	21.6%
	Arts, entertainment, and recreation	1,686,041	2,511,887	49.0%
856	Independent artists, performing arts, spectator sports, and related industries	602,361	622,907	3.4%
857	Museums, art galleries, historical sites, and similar institutions	131,381	182,396	38.8%
858	Bowling centers	65,335	61,617	-5.7%
859	Other amusement, gambling, and recreation industries	886,964	1,644,967	85.5%

**Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data,
Using the Census 2000 Industry Classification**

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories		Number	Number
	Accommodation and food services	7,585,192	8,762,781
866	Traveler accommodation	1,403,095	1,427,067
867	Recreational vehicle parks and camps, and rooming and boarding houses	70,604	75,715
868	Restaurants and other food services	5,900,632	7,019,605
869	Drinking places, alcoholic beverages	210,861	240,394
	Other services (except public administration)	5,360,229	6,630,967
	Repair and maintenance	1,557,678	2,146,171
877	Automotive repair and maintenance	954,599	1,386,882
878	Car washes	100,065	152,655
879	Electronic and precision equipment repair and maintenance	128,227	185,390
887	Commercial and industrial machinery and equipment repair and maintenance	138,586	208,290
888	Personal and household goods repair and maintenance	217,738	201,505
889	Footwear and leather goods repair	18,462	11,449
	Personal and laundry services	1,667,442	1,858,662
897	Barber shops	79,818	89,930
898	Beauty salons	670,777	803,269
899	Nail salons and other personal care services	130,434	173,320
907	Drycleaning and laundry services	398,894	378,989
908	Funeral homes, cemeteries and crematories	180,275	144,593
909	Other personal services	207,244	268,561
	Religious, grantmaking, civic, professional, and similar organizations	1,473,098	2,003,665
916	Religious organizations	856,440	1,024,021
917	Civic, social, advocacy organizations, and grantmaking and giving services	358,695	689,433
918	Labor unions	100,795	89,983
919	Business, professional, political, and similar organizations	157,169	200,228
929	Private households	662,012	622,469
	Public administration	5,826,735	6,363,093
937	Executive offices and legislative bodies	320,310	399,156
938	Public finance activities	332,799	352,267
939	Other general government and support	1,170,569	863,457
947	Justice, public order, and safety activities	1,858,525	2,554,879
948	Administration of human resource programs	527,288	688,554
949	Administration of environmental quality and housing programs	230,484	249,643
957	Administration of economic programs and space research	557,683	629,400
959	National security and international affairs	829,077	625,737
	Unemployed, not classified by industry	1,017,224	1,091,113

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classifications			
<i>Note the following:</i>			
1. the categories and groupings of categories in this table are shown in the order provided on most Census Bureau publications and files, NOT in numerical order;			
2. codes in parentheses denote aggregated categories as shown on the Census 2000 EEO and 5% PUMS Files;			
3. numbers and percents may not always add to totals due to rounding;			
4. for a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.			
1990 Data Redistributed to 2000			
Census 2000 Codes and Categories	Number	Census 2000 Number	Percent Change, 1990-2000
Total Civilian Labor Force	123,473,450	137,668,798	11.5%
Management, professional, & related occupations:	35,544,766	44,701,424	25.8%
Management, business, and financial operations occupations:	13,928,647	17,865,155	28.3%
Management occupations:	9,203,669	12,164,973	32.2%
Management occupations, except farmers & farm managers:	8,417,032	11,375,975	35.2%
Top executives:	1,028,007	2,053,066	99.7%
001 Chief executives	495,004	1,126,479	127.6%
002 General and operations managers	520,288	910,520	75.0%
003 Legislators	12,716	16,067	26.4%
Advertising, marketing, promotions, public relations, and sales managers:	711,126	1,226,992	72.5%
004 Advertising and promotions managers	84,351	80,190	-4.9%
005 Marketing and sales managers	583,636	1,081,438	85.3%
006 Public relations managers	43,139	65,364	51.5%
012 Financial managers	936,701	957,089	2.2%
Operations specialties managers, except financial managers:	953,507	1,614,827	69.4%
010 Administrative services managers	65,322	93,838	43.7%
011 Computer and information systems managers	135,616	323,260	138.4%
013 Human resources managers	317,531	451,211	42.1%
014 Industrial production managers	93,789	306,370	226.7%
015 Purchasing managers	203,901	196,406	-3.7%
016 Transportation, storage, and distribution managers	137,347	243,742	77.5%
Other management occupations, except farmers and farm managers:	4,787,690	5,524,001	15.4%
022 Construction managers	307,468	651,398	111.9%
023 Education administrators	682,000	703,601	3.2%
030 Engineering managers	75,062	158,859	111.6%
031 Food service managers	598,588	693,879	15.9%
032 Funeral directors	45,486	47,929	5.4%
033 Gaming managers	13,812	29,975	117.0%
034 Lodging managers	125,451	132,522	5.6%
035 Medical and health services managers	306,612	403,134	31.5%
036 Natural sciences managers	18,284	18,779	2.7%
040 Postmasters and mail superintendents	39,846	38,610	-3.1%
041 Property, real estate, and community association managers	400,648	436,826	9.0%
042 Social and community service managers	208,035	243,215	16.9%
043 Managers, all other	1,966,399	1,965,274	-0.1%
Farmers and farm managers:	786,637	788,998	0.3%
020 Farm, ranch, and other agricultural managers	217,278	201,981	-7.0%
021 Farmers and ranchers	569,359	587,017	3.1%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
	Business and financial operations occupations:	4,724,978	5,700,182 20.6%
	Business operations specialists:	2,302,549	2,796,126 21.4%
050	Agents and business managers of artists, performers, and athletes	39,471	37,587 -4.8%
051	Purchasing agents and buyers, farm products	27,842	12,955 -53.5%
052	Wholesale and retail buyers, except farm products	274,072	231,332 -15.6%
053	Purchasing agents, except wholesale, retail, and farm products	236,314	262,677 11.2%
054	Claims adjusters, appraisers, examiners, and investigators	384,707	296,191 -23.0%
056	Compliance officers, except agriculture, construction, health & safety, & transportation	39,635	100,435 153.4%
060	Cost estimators	188,861	107,874 -42.9%
062	Human resources, training, and labor relations specialists	514,372	884,916 72.0%
070	Logisticians	30,132	38,904 29.1%
071	Management analysts	284,594	556,102 95.4%
072	Meeting and convention planners	21,945	33,741 53.7%
073	Other business operations specialists	260,602	233,412 -10.4%
	Financial specialists:	2,422,429	2,904,056 19.9%
080	Accountants and auditors	1,488,481	1,762,729 18.4%
	Other financial specialists:	933,949	1,141,327 22.2%
081	Appraisers and assessors of real estate	100,629	98,892 -1.7%
082	Budget analysts	54,780	45,482 -17.0%
083	Credit analysts	18,260	32,173 76.2%
084	Financial analysts	32,050	61,799 92.8%
085	Personal financial advisors	133,568	252,756 89.2%
086	Insurance underwriters	95,150	83,611 -12.1%
090	Financial examiners	2,033	11,848 482.8%
091	Loan counselors and officers	268,677	324,470 20.8%
093	Tax examiners, collectors, and revenue agents	87,684	72,312 -17.5%
094	Tax preparers	102,256	113,360 10.9%
095	Financial specialists, all other	38,860	44,624 14.8%
	Professional and related occupations:	21,616,119	26,836,269 24.1%
	Computer and mathematical occupations:	1,598,999	3,252,462 103.4%
	Computer specialists:	1,393,121	3,095,829 122.2%
100	Computer scientists and systems analysts	344,035	694,319 101.8%
101	Computer programmers	706,646	663,445 -6.1%
102	Computer software engineers	244,181	719,165 194.5%
104	Computer support specialists	32,244	411,077 1174.9%
106	Database administrators	4,208	78,830 1773.4%
110	Network and computer systems administrators	32,463	199,583 514.8%
111	Network systems and data communications analysts	29,344	329,410 1022.6%
	Mathematical science occupations:	205,878	156,633 -23.9%
120	Actuaries	18,732	22,378 19.5%
122	Operations research analysts	149,709	104,521 -30.2%
(124)	Miscellaneous mathematical science occupations, incl. mathematicians & statisticians:	37,437	29,734 -20.6%
121	Mathematicians	5,088	2,900 -43.0%
123	Statisticians	28,197	23,370 -17.1%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
124	Miscellaneous mathematical science occupations	4,152	3,464 -16.6%
	Architecture and engineering occupations:	2,825,188	2,723,885 -3.6%
	Architects, surveyors, cartographers, and engineers:	1,791,905	1,964,383 9.6%
	Architects, surveyors, and cartographers:	222,664	228,502 2.6%
130	Architects, except naval	167,151	192,861 15.4%
131	Surveyors, cartographers, and photogrammetrists	55,513	35,641 -35.8%
	Engineers:	1,569,240	1,735,881 10.6%
132	Aerospace engineers	143,625	110,473 -23.1%
135	Chemical engineers	61,503	65,078 5.8%
136	Civil engineers	243,159	273,652 12.5%
140	Computer hardware engineers	44,120	66,453 50.6%
141	Electrical and electronic engineers	245,802	310,114 26.2%
142	Environmental engineers	48,084	34,588 -28.1%
143	Industrial engineers, including health and safety	181,510	191,278 5.4%
144	Marine engineers and naval architects	11,811	10,860 -8.1%
145	Materials engineers	26,075	38,737 48.6%
146	Mechanical engineers	193,616	277,074 43.1%
151	Nuclear engineers	10,606	8,538 -19.5%
(152)	Petroleum, mining and geological engineers, including mining safety engineers:	29,404	22,547 -23.3%
150	Mining and geological engineers, including mining safety engineers	6,298	6,559 4.1%
152	Petroleum engineers	23,106	15,988 -30.8%
(153)	Miscellaneous engineers:	329,925	326,489 -1.0%
133	Agricultural engineers	2,148	2,773 29.1%
134	Biomedical engineers	6,294	9,055 43.9%
153	Engineers, all other	321,484	314,661 -2.1%
	Drafters, engineering, and mapping technicians:	1,033,284	759,502 -26.5%
154	Drafters	287,766	227,035 -21.1%
155	Engineering technicians, except drafters	664,435	450,287 -32.2%
156	Surveying and mapping technicians	81,083	82,180 1.4%
	Life, physical, and social science occupations:	1,289,562	1,237,491 -4.0%
	Life and physical scientists:	417,475	595,103 42.5%
160	Agricultural and food scientists	29,255	28,018 -4.2%
161	Biological scientists	65,196	83,964 28.8%
164	Conservation scientists and foresters	33,065	28,340 -14.3%
165	Medical scientists	30,608	81,621 166.7%
170	Astronomers and physicists	27,404	20,336 -25.8%
171	Atmospheric and space scientists	8,354	9,475 13.4%
172	Chemists and materials scientists	144,981	107,359 -25.9%
174	Environmental scientists and geoscientists	66,315	84,549 27.5%
176	Physical scientists, all other	12,298	151,441 1131.4%
	Social scientists and related workers:	369,681	346,772 -6.2%
180	Economists	33,302	27,007 -18.9%
181	Market and survey researchers	127,588	91,108 -28.6%
182	Psychologists	158,717	170,725 7.6%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent	
Census 2000 Codes and Categories		Number	Change, 1990-2000	
184	Urban and regional planners	27,183	21,793	-19.8%
(186)	Miscellaneous social scientists and related workers, including sociologists:	22,891	36,139	57.9%
183	Sociologists	2,211	2,790	26.2%
186	Miscellaneous social scientists and related workers	20,680	33,349	61.3%
	Life, physical, and social science technicians:	502,406	295,616	-41.2%
190	Agricultural and food science technicians	23,069	27,417	18.8%
191	Biological technicians	16,300	19,806	21.5%
192	Chemical technicians	75,935	88,393	16.4%
193	Geological and petroleum technicians	13,104	12,798	-2.3%
(196)	Miscellaneous life, physical, and social science technicians:	373,998	147,202	-60.6%
194	Nuclear technicians	34,610	3,800	-89.0%
196	Other life, physical, and social science technicians	339,388	143,402	-57.7%
	Community and social services occupations:	1,457,395	2,010,725	38.0%
	Counselors, social workers, and other community and social service specialists:	1,034,367	1,485,765	43.6%
200	Counselors	448,139	572,197	27.7%
201	Social workers	388,310	644,634	66.0%
202	Miscellaneous community and social service specialists	197,919	268,934	35.9%
	Religious workers:	423,028	524,960	24.1%
204	Clergy	339,421	388,926	14.6%
205	Directors, religious activities and education	40,880	52,584	28.6%
206	Religious workers, all other	42,727	83,450	95.3%
	Legal occupations:	1,112,935	1,436,805	29.1%
210	Lawyers	697,272	871,116	24.9%
211	Judges, magistrates, and other judicial workers	60,710	58,353	-3.9%
	Legal support workers:	354,953	507,336	42.9%
214	Paralegals and legal assistants	136,122	287,736	111.4%
215	Miscellaneous legal support workers	218,831	219,600	0.4%
	Education, training, and library occupations:	5,945,472	7,480,786	25.8%
220	Postsecondary teachers	940,963	1,148,525	22.1%
	Teachers, primary, secondary, and special education:	3,941,098	4,514,801	14.6%
	Teachers, preschool, kindergarten, elementary, and middle school:	3,374,960	3,567,147	5.7%
230	Preschool and kindergarten teachers	269,330	441,827	64.0%
231	Elementary and middle school teachers	3,105,630	3,125,320	0.6%
232	Secondary school teachers	494,326	772,462	56.3%
233	Special education teachers	71,812	175,192	144.0%
	Librarians, curators, and archivists:	333,372	280,863	-15.8%
240	Archivists, curators, and museum technicians	74,470	36,211	-51.4%
243	Librarians	200,881	190,254	-5.3%
244	Library Technicians	58,022	54,398	-6.2%
	Other teachers, instructors, education, training, and library occupations:	730,038	1,536,597	110.5%
234	Other teachers and instructors	331,312	562,290	69.7%
254	Teacher assistants	368,010	915,915	148.9%
255	Other education, training, and library workers	30,717	58,392	90.1%
	Arts, design, entertainment, sports, and media occupations:	2,331,031	2,604,644	11.7%

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	Art and design workers:	897,844	981,026	9.3%
260	Artists and related workers	278,516	231,690	-16.8%
263	Designers	619,328	749,336	21.0%
	Entertainers and performers, sports, and related workers:	472,378	606,585	28.4%
270	Actors	35,916	38,603	7.5%
271	Producers and directors	120,609	139,337	15.5%
272	Athletes, coaches, umpires, and related workers	128,991	194,122	50.5%
274	Dancers and choreographers	21,771	26,915	23.6%
275	Musicians, singers, and related workers	148,162	170,017	14.8%
276	Entertainers and performers, sports and related workers, all other	16,929	37,591	122.0%
	Media and communications workers:	960,809	1,017,033	5.9%
280	Announcers	68,590	54,856	-20.0%
281	News analysts, reporters and correspondents	86,781	93,160	7.4%
282	Public relations specialists	121,021	146,032	20.7%
283	Editors	155,320	182,229	17.3%
284	Technical writers	76,919	72,943	-5.2%
285	Writers and authors	133,471	162,156	21.5%
286	Miscellaneous media and communication workers	41,467	60,015	44.7%
(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers:	126,144	90,362	-28.4%
290	Broadcast and sound engineering technicians and radio operators	125,504	89,492	-28.7%
296	Media and communication equipment workers, all other	640	870	35.9%
291	Photographers	117,084	124,047	5.9%
292	Television, video, and motion picture camera operators and editors	34,010	31,233	-8.2%
	Healthcare practitioners and technical occupations:	5,055,535	6,089,471	20.5%
	Health diagnosing and treating practitioners and technical occupations:	3,422,957	4,200,169	22.7%
306	Physicians and surgeons	571,320	705,960	23.6%
313	Registered nurses	1,878,036	2,268,002	20.8%
	Therapists:	341,818	496,021	45.1%
314	Audiologists	14,534	12,264	-15.6%
315	Occupational therapists	38,472	64,104	66.6%
316	Physical therapists	103,192	134,949	30.8%
320	Radiation therapists	5,196	10,544	102.9%
321	Recreational therapists	18,667	17,125	-8.3%
322	Respiratory therapists	64,895	88,361	36.2%
323	Speech-language pathologists	50,179	95,662	90.6%
324	Therapists, all other	46,684	73,012	56.4%
	Other health diagnosing and treating practitioners and technical occupations:	631,783	730,186	15.6%
300	Chiropractors	43,331	51,503	18.9%
301	Dentists	155,529	155,715	0.1%
303	Dietitians and nutritionists	86,930	80,439	-7.5%
304	Optometrists	27,515	30,950	12.5%
305	Pharmacists	181,798	206,358	13.5%
311	Physician assistants	12,695	57,972	356.7%

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Census 2000 Codes and Categories		Number	Number	Change, 1990-2000
312	Podiatrists	8,908	10,951	22.9%
325	Veterinarians	48,744	59,586	22.2%
326	Health diagnosing and treating practitioners, all other	3,783	10,043	165.5%
354	Other healthcare practitioners and technical occupations	62,551	66,669	6.6%
	Health technologists and technicians:	1,632,578	1,889,302	15.7%
330	Clinical laboratory technologists and technicians	298,930	298,637	-0.1%
331	Dental hygienists	72,394	113,964	57.4%
332	Diagnostic related technologists and technicians	183,080	227,718	24.4%
340	Emergency medical technicians and paramedics	134,375	112,884	-16.0%
341	Health diagnosing and treating practitioner support technicians	113,803	307,095	169.8%
350	Licensed practical and licensed vocational nurses	594,102	596,357	0.4%
351	Medical records and health information technicians	139,238	99,297	-28.7%
352	Opticians, dispensing	52,952	50,359	-4.9%
353	Miscellaneous health technologists and technicians	43,706	82,991	89.9%
	Service occupations:	18,060,164	20,822,687	15.3%
	Healthcare support occupations:	2,119,125	2,760,742	30.3%
360	Nursing, psychiatric, and home health aides	1,371,280	1,802,659	31.5%
	Occupational and physical therapist assistants and aides:	32,961	60,913	84.8%
361	Occupational therapist assistants and aides	9,665	10,473	8.4%
362	Physical therapist assistants and aides	23,296	50,440	116.5%
	Other healthcare support occupations:	714,883	897,170	25.5%
363	Massage therapists	31,427	72,942	132.1%
364	Dental assistants	179,287	220,008	22.7%
365	Medical assistants and other healthcare support occupations	504,170	604,220	19.8%
	Protective service occupations:	2,222,236	2,661,998	19.8%
	Fire fighting, prevention, & law enforcement workers, incl. supervisors:	1,216,104	1,560,402	28.3%
	Fire fighting and prevention workers, including supervisors:	276,221	307,734	11.4%
372	First-line supervisors/managers of fire fighting and prevention workers	37,511	46,058	22.8%
374	Fire fighters	216,913	242,395	11.7%
375	Fire inspectors	21,797	19,281	-11.5%
	Law enforcement workers, including supervisors:	939,883	1,252,668	33.3%
370	First-line supervisors/managers of correctional officers	10,292	47,412	360.7%
371	First-line supervisors/managers of police and detectives	65,052	104,316	60.4%
380	Bailiffs, correctional officers, and jailers	229,791	380,672	65.7%
382	Detectives and criminal investigators	123,057	113,091	-8.1%
(384)	Miscellaneous law enforcement officers:	19,585	9,251	-52.8%
383	Fish and game wardens	9,841	3,598	-63.4%
384	Parking enforcement workers	9,744	5,653	-42.0%
(385)	Police officers:	492,107	597,926	21.5%
385	Police and sheriff's patrol officers	477,600	596,844	25.0%
386	Transit and railroad police	14,507	1,082	-92.5%
	Other protective service workers, including supervisors:	1,006,132	1,101,596	9.5%
373	Supervisors, protective service workers, all other	48,080	89,276	85.7%
390	Animal control workers	7,726	10,681	38.3%

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Census 2000 Codes and Categories		Number	Number	Change, 1990-2000
391	Private detectives and investigators	66,449	63,989	-3.7%
392	Security guards and gaming surveillance officers	691,232	784,023	13.4%
394	Crossing guards	129,734	55,068	-57.6%
395	Lifeguards and other protective service workers	62,911	98,559	56.7%
	Food preparation and serving related occupations:	6,162,405	6,909,703	12.1%
	Cooks and food preparation workers:	2,179,822	2,409,826	10.6%
402	Cooks	1,599,506	1,859,409	16.2%
403	Food preparation workers	580,315	550,417	-5.2%
411	Waiters and waitresses	1,590,549	1,817,894	14.3%
	Food and beverage serving workers, except waiters and waitresses:	932,660	1,067,142	14.4%
404	Bartenders	330,710	343,281	3.8%
405	Combined food preparation and serving workers, including fast food	227,384	362,226	59.3%
406	Counter attendants, cafeteria, food concession, and coffee shop	260,861	205,435	-21.2%
412	Food servers, nonrestaurant	113,705	156,200	37.4%
	Other food preparation and serving workers, including supervisors:	1,459,374	1,614,841	10.7%
400	Chefs and head cooks	235,724	251,684	6.8%
401	First-line supervisors/managers of food preparation and serving workers	455,903	546,947	20.0%
(413)	Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers:	371,935	314,351	-15.5%
413	Dining room and cafeteria attendants and bartender helpers	318,535	308,164	-3.3%
416	Food preparation and serving related workers, all other	53,399	6,187	-88.4%
414	Dishwashers	270,811	289,473	6.9%
415	Hosts and hostesses, restaurant, lounge, and coffee shop	125,002	212,386	69.9%
	Building and grounds cleaning and maintenance occupations:	4,458,424	4,647,811	4.2%
420	First-line supervisors/managers of housekeeping and janitorial workers	269,102	187,378	-30.4%
421	First-line supervisors/managers of landscaping, lawn service, & groundskeeping workers	97,327	134,201	37.9%
422	Janitors and building cleaners	1,797,185	2,021,082	12.5%
423	Maids and housekeeping cleaners	1,536,962	1,226,815	-20.2%
424	Pest control workers	50,481	63,516	25.8%
425	Grounds maintenance workers	707,367	1,014,819	43.5%
	Personal care and service occupations:	3,097,974	3,842,433	24.0%
	Personal appearance workers:	803,590	888,991	10.6%
450	Barbers	81,572	88,329	8.3%
451	Hairdressers, hairstylists, and cosmetologists	661,773	667,365	0.8%
452	Miscellaneous personal appearance workers	60,245	133,297	121.3%
	Transportation, tourism, and lodging attendants:	206,686	228,106	10.4%
453	Baggage porters, bellhops, and concierges	62,116	55,805	-10.2%
454	Tour and travel guides	37,419	39,040	4.3%
455	Transportation attendants	107,151	133,261	24.4%
460	Child care workers	1,114,658	1,402,709	25.8%
	Supervisors and other personal care and service workers, except child care workers:	973,039	1,322,627	35.9%
430	First-line supervisors/managers of gaming workers	63,181	56,447	-10.7%
432	First-line supervisors/managers of personal service workers	25,954	113,641	337.9%
434	Animal trainers	38,734	37,642	-2.8%

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435	Nonfarm animal caretakers	94,103	120,284 27.8%
440	Gaming services workers	45,139	90,872 101.3%
441	Motion picture projectionists	10,357	10,113 -2.4%
442	Ushers, lobby attendants, and ticket takers	57,248	57,030 -0.4%
443	Miscellaneous entertainment attendants and related workers	102,905	145,852 41.7%
446	Funeral service workers	9,670	13,532 39.9%
461	Personal and home care aides	250,063	307,516 23.0%
462	Recreation and fitness workers	212,155	262,392 23.7%
464	Residential advisors	36,288	63,969 76.3%
465	Personal care and service workers, all other	27,242	43,337 59.1%
	Sales and office occupations:	34,447,117	36,578,404 6.2%
	Sales and related occupations:	13,638,564	15,536,402 13.9%
472	Cashiers	2,194,554	3,064,967 39.7%
	Retail sales workers, except cashiers:	4,132,880	3,925,325 -5.0%
474	Counter and rental clerks	223,045	167,158 -25.1%
475	Parts salespersons	232,981	130,651 -43.9%
476	Retail salespersons	3,676,854	3,627,516 -1.3%
	Sales representatives, services, wholesale and manufacturing:	2,985,263	3,287,018 10.1%
480	Advertising sales agents	169,376	211,909 25.1%
481	Insurance sales agents	513,178	509,827 -0.7%
482	Securities, commodities, and financial services sales agents	272,015	386,235 42.0%
483	Travel agents	122,592	143,899 17.4%
484	Sales representatives, services, all other	484,316	613,569 26.7%
485	Sales representatives, wholesale and manufacturing	1,423,785	1,421,579 -0.2%
	Other sales and related occupations, including supervisors:	4,325,867	5,259,092 21.6%
470	First-line supervisors/managers of retail sales workers	1,957,033	2,829,821 44.6%
471	First-line supervisors/managers of non-retail sales workers	671,369	950,244 41.5%
490	Models, demonstrators, and product promoters	54,351	57,730 6.2%
492	Real estate brokers and sales agents	719,720	672,854 -6.5%
493	Sales engineers	43,616	33,825 -22.4%
494	Telemarketers	248,271	292,350 17.8%
495	Door-to-door sales workers, news and street vendors, and related workers	209,743	195,651 -6.7%
496	Sales and related workers, all other	421,764	226,617 -46.3%
	Office and administrative support occupations:	20,808,553	21,042,002 1.1%
	Communications equipment operators:	250,422	178,687 -28.6%
501	Switchboard operators, including answering service	99,878	80,150 -19.8%
502	Telephone operators	139,374	85,755 -38.5%
503	Communications equipment operators, all other	11,171	12,782 14.4%
	Financial clerks, except bookkeeping, accounting and auditing clerks:	1,298,315	1,294,875 -0.3%
510	Bill and account collectors	215,986	221,088 2.4%
511	Billing and posting clerks and machine operators	356,569	397,939 11.6%
513	Gaming cage workers	10,736	8,345 -22.3%
514	Payroll and timekeeping clerks	179,480	211,735 18.0%
515	Procurement clerks	38,569	38,887 0.8%

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516	Tellers	496,975	416,881 -16.1%
512	Bookkeeping, accounting, and auditing clerks	1,795,444	1,758,891 -2.0%
	Information and record clerks, except customer service representatives:	2,484,859	2,868,383 15.4%
520	Brokerage clerks	6,482	10,583 63.3%
522	Court, municipal, and license clerks	95,155	77,063 -19.0%
523	Credit authorizers, checkers, and clerks	64,463	55,092 -14.5%
525	Eligibility interviewers, government programs	58,124	63,355 9.0%
526	File Clerks	342,299	345,446 0.9%
530	Hotel, motel, and resort desk clerks	80,033	122,367 52.9%
531	Interviewers, except eligibility and loan	214,745	224,019 4.3%
532	Library assistants, clerical	109,758	156,282 42.4%
533	Loan interviewers and clerks	76,564	117,256 53.1%
534	New accounts clerks	11,636	16,710 43.6%
(535)	Correspondence clerks and order clerks:	171,112	189,409 10.7%
521	Correspondence clerks	12,521	8,255 -34.1%
535	Order clerks	158,591	181,154 14.2%
536	Human resources assistants, except payroll and timekeeping	58,953	55,497 -5.9%
540	Receptionists and information clerks	997,372	1,159,828 16.3%
541	Reservation and transportation ticket agents and travel clerks	165,664	194,310 17.3%
542	Information and record clerks, all other	32,498	81,166 149.8%
524	Customer service representatives	745,475	2,111,319 183.2%
	Material recording, scheduling, dispatching, and distributing workers:	3,499,908	3,616,082 3.3%
550	Cargo and freight agents	34,592	20,105 -41.9%
551	Couriers and messengers	150,463	203,547 35.3%
552	Dispatchers	214,190	256,413 19.7%
553	Meter readers, utilities	49,536	43,401 -12.4%
554	Postal service clerks	236,846	165,513 -30.1%
555	Postal service mail carriers	330,136	354,393 7.3%
556	Postal service mail sorters, processors, and processing machine operators	147,806	129,399 -12.5%
560	Production, planning, and expediting clerks	358,239	342,280 -4.5%
561	Shipping, receiving, and traffic clerks	569,958	672,165 17.9%
562	Stock clerks and order fillers	1,319,284	1,347,947 2.2%
563	Weighers, measurers, checkers, and samplers, recordkeeping	88,856	80,919 -8.9%
570	Secretaries and administrative assistants	4,308,804	3,858,937 -10.4%
	Other office and administrative support workers, including supervisors:	6,425,327	5,354,828 -16.7%
500	First-line supervisors/managers of office and administrative support workers	2,017,755	1,721,232 -14.7%
580	Computer operators	666,727	268,996 -59.7%
581	Data entry keyers	632,428	637,411 0.8%
582	Word processors and typists	658,235	188,686 -71.3%
583	Desktop publishers	5,779	15,186 162.8%
584	Insurance claims and policy processing clerks	130,075	220,326 69.4%
585	Mail clerks and mail machine operators, except postal service	209,512	170,521 -18.6%
586	Office clerks, general	1,446,559	1,491,877 3.1%
590	Office machine operators, except computer	103,657	64,888 -37.4%

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591	Proofreaders and copy markers	31,252	23,359 -25.3%
592	Statistical assistants	56,405	32,972 -41.5%
593	Office and administrative support workers, all other	466,942	519,374 11.2%
Farming, fishing, and forestry occupations:		1,568,101	1,094,801 -30.2%
Agricultural workers, including supervisors:		1,344,093	919,051 -31.6%
600	First-line supervisors/managers of farming, fishing, and forestry workers	77,358	57,439 -25.7%
601	Agricultural inspectors	42,599	11,945 -72.0%
604	Graders and sorters, agricultural products	67,295	43,592 -35.2%
(605)	Miscellaneous agricultural workers, including animal breeders:	1,156,841	806,075 -30.3%
602	Animal breeders	14,841	5,389 -63.7%
605	Miscellaneous agricultural workers	1,142,000	800,686 -29.9%
Fishing, hunting, and forestry occupations:		224,009	175,750 -21.5%
(610)	Fishing and hunting workers:	60,440	51,098 -15.5%
610	Fishers and related fishing workers	58,513	49,598 -15.2%
611	Hunters and trappers	1,927	1,500 -22.2%
612	Forest and conservation workers	23,639	18,979 -19.7%
613	Logging workers	139,930	105,673 -24.5%
Construction, extraction, and maintenance occupations:		11,864,871	13,086,906 10.3%
Construction and extraction occupations:		7,117,392	7,767,387 9.1%
620	Supervisors, construction and extraction workers	831,364	946,383 13.8%
Construction trades workers:		5,577,815	6,302,063 13.0%
623	Carpenters	1,231,277	1,445,688 17.4%
626	Construction laborers	953,882	1,266,233 32.7%
635	Electricians	649,462	727,351 12.0%
Painters and paperhangers:		540,315	583,003 7.9%
642	Painters, construction and maintenance	524,091	565,138 7.8%
643	Paperhangers	16,224	17,865 10.1%
644	Pipelayers, plumbers, pipefitters, and steamfitters	524,565	552,674 5.4%
Construction trades workers except carpenters, electricians, painters, plumbers, and con		1,678,313	1,727,114 2.9%
621	Boilermakers	24,293	21,109 -13.1%
622	Brickmasons, blockmasons, and stonemasons	190,486	212,212 11.4%
624	Carpet, floor, and tile installers and finishers	208,472	228,616 9.7%
625	Cement masons, concrete finishers, and terrazzo workers	78,478	94,502 20.4%
630	Paving, surfacing, and tamping equipment operators	24,234	18,527 -23.5%
(632)	Miscellaneous construction equipment operators:	323,723	357,331 10.4%
631	Pile-driver operators	5,066	1,956 -61.4%
632	Operating engineers and other construction equipment operators	318,657	355,375 11.5%
633	Drywall installers, ceiling tile installers, and tapers	228,756	191,811 -16.2%
636	Glaziers	52,078	47,877 -8.1%
640	Insulation workers	45,498	41,862 -8.0%
646	Plasterers and stucco masons	43,109	45,091 4.6%
651	Roofers	197,183	222,993 13.1%
652	Sheet metal workers	174,404	161,338 -7.5%
(653)	Iron and steel workers:	87,600	83,845 -4.3%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
650	Reinforcing iron and rebar workers	14,736	6,242 -57.6%
653	Structural iron and steel workers	72,865	77,603 6.5%
	Other construction workers and helpers:	504,188	385,935 -23.5%
660	Helpers, construction trades	169,227	76,976 -54.5%
666	Construction and building inspectors	84,471	79,564 -5.8%
670	Elevator installers and repairers	25,634	27,067 5.6%
671	Fence erectors	25,329	29,837 17.8%
672	Hazardous materials removal workers	31,606	22,425 -29.0%
673	Highway maintenance workers	99,843	96,187 -3.7%
674	Rail-track laying and maintenance equipment operators	12,314	12,199 -0.9%
675	Septic tank servicers and sewer pipe cleaners	19,563	8,176 -58.2%
676	Miscellaneous construction and related workers	36,201	33,504 -7.4%
	Extraction workers:	204,025	133,006 -34.8%
(680)	Derrick, rotary drill, and service unit operators, and roustabouts:	38,915	15,547 -60.0%
680	Derrick, rotary drill, and service unit operators, oil, gas, and mining	20,193	13,824 -31.5%
692	Roustabouts, oil and gas	18,722	1,723 -90.8%
682	Earth drillers, except oil and gas	24,184	29,141 20.5%
683	Explosives workers, ordnance handling experts, and blasters	9,396	9,588 2.0%
684	Mining machine operators	64,906	49,120 -24.3%
(694)	Miscellaneous extraction workers:	66,624	29,610 -55.6%
691	Roof bolters, mining	7,540	3,277 -56.5%
693	Helpers--extraction workers	23,031	4,574 -80.1%
694	Other extraction workers	36,054	21,759 -39.6%
	Installation, maintenance, and repair occupations:	4,747,479	5,319,519 12.0%
	Vehicle and mobile equipment mechanics, installers, and repairers:	1,946,976	2,064,128 6.0%
714	Aircraft mechanics and service technicians	166,486	183,074 10.0%
715	Automotive body and related repairers	227,974	185,795 -18.5%
716	Automotive glass installers and repairers	19,160	14,805 -22.7%
720	Automotive service technicians and mechanics	939,660	1,057,992 12.6%
721	Bus and truck mechanics and diesel engine specialists	262,211	310,035 18.2%
722	Heavy vehicle and mobile equipment service technicians and mechanics	195,553	185,742 -5.0%
724	Small engine mechanics	62,022	52,371 -15.6%
726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	73,909	74,314 0.5%
	Electrical equipment mechanics and other installation, maintenance, and repair workers, i	2,800,503	3,255,391 16.2%
700	First-line supervisors/managers of mechanics, installers, and repairers	453,285	381,936 -15.7%
701	Computer, automated teller, and office machine repairers	138,054	279,762 102.6%
702	Radio and telecommunications equipment installers and repairers	232,674	229,929 -1.2%
703	Avionics technicians	25,320	14,791 -41.6%
704	Electric motor, power tool, and related repairers	32,665	37,515 14.8%
(710)	Electrical and electronics repairers, industrial, utility, & transportation equipment:	13,720	18,343 33.7%
705	Electrical and electronics installers and repairers, transportation equipment	2,915	4,536 55.6%
710	Electrical and electronics repairers, industrial and utility	10,805	13,807 27.8%
711	Electronic equipment installers and repairers, motor vehicles	38,011	26,283 -30.9%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
712	Electronic home entertainment equipment installers and repairers	33,389	47,375 41.9%
713	Security and fire alarm systems installers	24,523	46,692 90.4%
730	Control and valve installers and repairers	24,352	21,913 -10.0%
731	Heating, air conditioning, and refrigeration mechanics and installers	193,567	307,955 59.1%
732	Home appliance repairers	51,412	53,642 4.3%
733	Industrial and refractory machinery mechanics	360,533	486,446 34.9%
734	Maintenance and repair workers, general	355,971	445,056 25.0%
735	Maintenance workers, machinery	35,878	26,217 -26.9%
736	Millwrights	100,637	76,338 -24.1%
741	Electrical power-line installers and repairers	85,479	106,284 24.3%
742	Telecommunications line installers and repairers	127,905	176,484 38.0%
743	Precision instrument and equipment repairers	58,664	72,895 24.3%
751	Coin, vending, and amusement machine servicers and repairers	66,719	54,892 -17.7%
754	Locksmiths and safe repairers	29,137	29,462 1.1%
755	Manufactured building and mobile home installers	10,845	23,259 114.5%
756	Riggers	14,131	9,602 -32.0%
761	Helpers--installation, maintenance, and repair workers	33,301	20,509 -38.4%
(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers:	260,333	261,811 0.6%
752	Commercial divers	4,118	3,336 -19.0%
760	Signal and track switch repairers	7,515	5,259 -30.0%
762	Other installation, maintenance, and repair workers	248,700	253,216 1.8%
Production, transportation, and material moving occupations:		20,988,480	20,303,953 -3.3%
Production occupations:		12,968,140	11,716,607 -9.7%
Assemblers and fabricators:		1,741,975	1,647,042 -5.4%
771	Aircraft structure, surfaces, rigging, and systems assemblers	60,896	11,504 -81.1%
772	Electrical, electronics, and electromechanical assemblers	418,081	286,049 -31.6%
773	Engine and other machine assemblers	67,859	28,897 -57.4%
774	Structural metal fabricators and fitters	27,316	29,442 7.8%
775	Miscellaneous assemblers and fabricators	1,167,823	1,291,150 10.6%
Food processing workers:		674,565	557,436 -17.4%
780	Bakers	230,639	174,977 -24.1%
781	Butchers and other meat, poultry, and fish processing workers	341,245	284,894 -16.5%
783	Food and tobacco roasting, baking, and drying machine operators and tenders	12,235	9,921 -18.9%
784	Food batchmakers	77,938	79,022 1.4%
785	Food cooking machine operators and tenders	12,507	8,622 -31.1%
Metal workers and plastic workers:		2,456,152	2,451,742 -0.2%
790	Computer control programmers and operators	5,306	44,117 731.5%
792	Extruding and drawing machine setters, operators, and tenders, metal and plastic	19,759	18,194 -7.9%
793	Forging machine setters, operators, and tenders, metal and plastic	18,589	13,513 -27.3%
794	Rolling machine setters, operators, and tenders, metal and plastic	14,362	16,461 14.6%
795	Cutting, punching, & press machine setters, operators, & tenders, metal & plastic	149,036	145,864 -2.1%
796	Drilling and boring machine tool setters, operators, and tenders, metal and plastic	21,576	11,181 -48.2%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	100,943	-14.2%
801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	40,494	-51.5%
803	Machinists	564,910	-11.9%
804	Metal furnace and kiln operators and tenders	54,633	-34.3%
806	Model makers and patternmakers, metal and plastic	18,290	-11.9%
810	Molders and molding machine setters, operators, and tenders, metal and plastic	98,231	1.3%
813	Tool and die makers	146,176	-16.7%
814	Welding, soldering, and brazing workers	669,119	-3.0%
815	Heat treating equipment setters, operators, and tenders, metal and plastic	18,206	-31.1%
816	Lay-out workers, metal and plastic	18,702	-42.7%
820	Plating and coating machine setters, operators, and tenders, metal and plastic	37,182	-33.4%
821	Tool grinders, filers, and sharpeners	24,721	-44.4%
(822)	Other metalworkers and plastic workers:	435,916	41.0%
802	Milling and planing machine setters, operators, and tenders, metal and plastic	6,789	-49.8%
812	Multiple machine tool setters, operators, and tenders, metal and plastic	2,456	220.4%
822	Metalworkers and plastic workers, all other	426,671	41.4%
	Printing workers:	604,849	-28.8%
823	Bookbinders and bindery workers	64,781	-19.9%
824	Job printers	85,372	6.4%
825	Prepress technicians and workers	170,789	-53.1%
826	Printing machine operators	283,907	-26.8%
	Textile, apparel, and furnishings workers:	1,808,168	-36.7%
830	Laundry and dry-cleaning workers	224,583	-0.3%
831	Pressers, textile, garment, and related materials	153,646	-39.8%
832	Sewing machine operators	783,799	-39.9%
833	Shoe and leather workers and repairers	42,088	-57.5%
834	Shoe machine operators and tenders	36,029	-72.1%
835	Tailors, dressmakers, and sewers	156,022	-30.0%
836	Textile bleaching and dyeing machine operators and tenders	16,146	-40.5%
840	Textile cutting machine setters, operators, and tenders	45,576	-60.9%
841	Textile knitting and weaving machine setters, operators, and tenders	65,485	-43.5%
842	Textile winding, twisting, and drawing out machine setters, operators, and tenders	70,786	-42.1%
845	Upholsterers	79,372	-24.3%
(846)	Miscellaneous textile, apparel, and furnishings workers:	134,634	-60.2%
843	Extruding and forming machine setters, operators, and tenders, synthetic and glass fib	2,887	-53.5%
844	Fabric and apparel patternmakers	10,757	-46.0%
846	Textile, apparel, and furnishings workers, all other	120,990	-61.6%
	Woodworkers:	291,805	-4.8%
850	Cabinetmakers and bench carpenters	77,648	14.1%
851	Furniture finishers	35,403	-16.3%
853	Sawing machine setters, operators, and tenders, wood	91,694	-25.6%
854	Woodworking machine setters, operators, and tenders, except sawing	48,616	1.3%
(855)	Miscellaneous woodworkers:	38,443	9.4%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent
Census 2000 Codes and Categories		Number	Change, 1990-2000
852	Model makers and patternmakers, wood	2,871	1,220 -57.5%
855	Woodworkers, all other	35,573	40,849 14.8%
	Plant and system operators:	316,525	259,330 -18.1%
860	Power plant operators, distributors, and dispatchers	52,147	42,505 -18.5%
861	Stationary engineers and boiler operators	147,694	99,330 -32.7%
862	Water and liquid waste treatment plant and system operators	56,163	73,468 30.8%
863	Miscellaneous plant and system operators	60,520	44,027 -27.3%
	Other production occupations, including supervisors:	5,074,102	4,949,002 -2.5%
770	First-line supervisors/managers of production and operating workers	1,070,676	1,309,284 22.3%
864	Chemical processing machine setters, operators, and tenders	79,374	69,429 -12.5%
865	Crushing, grinding, polishing, mixing, and blending workers	165,222	115,846 -29.9%
871	Cutting workers	122,720	109,642 -10.7%
872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	77,299	45,499 -41.1%
873	Furnace, kiln, oven, drier, and kettle operators and tenders	32,422	22,598 -30.3%
874	Inspectors, testers, sorters, samplers, and weighers	878,028	928,635 5.8%
875	Jewelers and precious stone and metal workers	91,171	50,412 -44.7%
876	Medical, dental, and ophthalmic laboratory technicians	91,743	93,000 1.4%
880	Packaging and filling machine operators and tenders	323,013	307,259 -4.9%
881	Painting workers	198,910	184,158 -7.4%
883	Photographic process workers and processing machine operators	73,370	88,806 21.0%
885	Cementing and gluing machine operators and tenders	40,416	20,538 -49.2%
886	Cleaning, washing, and metal pickling equipment operators and tenders	32,199	15,782 -51.0%
891	Etchers and engravers	28,085	15,157 -46.0%
892	Molders, shapers, and casters, except metal and plastic	50,934	37,763 -25.9%
893	Paper goods machine setters, operators, and tenders	56,577	46,732 -17.4%
894	Tire builders	12,605	23,407 85.7%
895	Helpers--production workers	89,429	55,934 -37.5%
(896)	Other production workers:	1,559,909	1,409,121 -9.7%
884	Semiconductor processors	2,677	6,589 146.1%
890	Cooling and freezing equipment operators and tenders	4,462	3,842 -13.9%
896	Production workers, all other	1,552,770	1,398,690 -9.9%
	Transportation and material moving occupations:	8,020,340	8,587,346 7.1%
900	Supervisors, transportation, and material moving workers	474,571	245,612 -48.2%
	Aircraft and traffic control occupations:	180,436	161,225 -10.6%
903	Aircraft pilots and flight engineers	109,826	124,825 13.7%
904	Air traffic controllers and airfield operations specialists	70,610	36,400 -48.4%
	Motor vehicle operators:	3,664,212	4,060,474 10.8%
912	Bus drivers	437,703	511,144 16.8%
913	Driver/sales workers and truck drivers	2,895,103	3,282,792 13.4%
	Motor vehicle operators, except bus and truck drivers:	331,406	266,538 -19.6%
914	Taxi drivers and chauffeurs	311,919	240,587 -22.9%
(915)	Miscellaneous motor vehicle operators:	19,488	25,951 33.2%
911	Ambulance drivers and attendants, except emergency medical technicians	11,524	5,630 -51.1%
915	Motor vehicle operators, all other	7,963	20,321 155.2%

**Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Census 2000 Occupation Classification**

1990 Data Redistributed to 2000		Census 2000	Percent	
Census 2000 Codes and Categories		Number	Number	Change, 1990-2000
	Rail, water and other transportation occupations:	522,003	432,908	-17.1%
	Rail and water transportation workers:	205,352	183,314	-10.7%
920	Locomotive engineers and operators	46,428	49,762	7.2%
923	Railroad brake, signal, and switch operators	33,259	10,068	-69.7%
924	Railroad conductors and yardmasters	37,573	48,331	28.6%
926	Subway, streetcar, and other rail transportation workers	18,986	10,498	-44.7%
930	Sailors and marine oilers	26,922	23,570	-12.5%
931	Ship and boat captains and operators	37,353	35,475	-5.0%
933	Ship engineers	4,832	5,610	16.1%
	Other transportation occupations:	316,651	249,594	-21.2%
935	Parking lot attendants	46,559	62,422	34.1%
936	Service station attendants	206,454	126,575	-38.7%
941	Transportation inspectors	40,776	39,947	-2.0%
(942)	Miscellaneous transportation workers:	22,862	20,650	-9.7%
934	Bridge and lock tenders	6,167	5,078	-17.7%
942	Other transportation workers	16,695	15,572	-6.7%
	Material moving workers:	3,179,117	3,687,127	16.0%
	Laborers and material movers, hand:	2,387,287	2,833,924	18.7%
961	Cleaners of vehicles and equipment	339,934	367,783	8.2%
962	Laborers and freight, stock, and material movers, hand	1,550,926	1,992,520	28.5%
963	Machine feeders and offbearers	101,027	55,586	-45.0%
964	Packers and packagers, hand	395,400	418,035	5.7%
	Other material moving workers, except laborers:	791,831	853,203	7.8%
951	Crane and tower operators	84,027	73,673	-12.3%
952	Dredge, excavating, and loading machine operators	79,437	60,297	-24.1%
956	Hoist and winch operators	11,963	10,437	-12.8%
960	Industrial truck and tractor operators	431,339	524,570	21.6%
965	Pumping station operators	23,535	19,394	-17.6%
972	Refuse and recyclable material collectors	85,993	88,457	2.9%
(975)	Miscellaneous material moving workers:	75,537	76,375	1.1%
950	Conveyor operators and tenders	8,074	6,107	-24.4%
973	Shuttle car operators	6,280	4,106	-34.6%
974	Tank car, truck, and ship loaders	1,794	5,163	187.8%
975	Material moving workers, all other	59,389	60,999	2.7%
	Unemployed, not classified by occupation	999,951	1,080,623	8.1%

**Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Categories Found on Census 2000 Summary Files 3 and 4			
<i>Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.</i>			
SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Total Employed	115,681,202	129,721,512	12.1%
Agriculture, forestry, fishing and hunting, and mining:	3,180,327	2,426,053	-23.7%
Agriculture, forestry, fishing and hunting	2,456,849	1,929,683	-21.5%
Mining	723,479	496,370	-31.4%
Construction	7,125,038	8,801,507	23.5%
Manufacturing	19,813,224	18,286,005	-7.7%
Food	1,424,000	1,410,629	-0.9%
Beverage and tobacco products	226,767	215,811	-4.8%
Textile mills and textile products	807,649	579,170	-28.3%
Apparel	1,077,249	515,707	-52.1%
Leather and allied products	143,890	79,387	-44.8%
Wood products	506,293	551,041	8.8%
Paper	626,676	583,282	-6.9%
Printing and related support activities	1,003,185	860,622	-14.2%
Petroleum and coal products	214,781	162,898	-24.2%
Chemical	1,241,402	1,127,846	-9.1%
Plastics and rubber products	647,799	850,965	31.4%
Nonmetallic mineral products	541,223	516,547	-4.6%
Metal	2,293,842	2,220,691	-3.2%
Machinery	1,535,993	1,373,068	-10.6%
Computer and electronic products	1,697,188	1,890,270	11.4%
Electrical equipment, appliances, and components	975,878	575,232	-41.1%
Transportation equipment	2,698,104	2,401,287	-11.0%
Furniture and related products	641,182	675,183	5.3%
Miscellaneous manufacturing	1,510,125	1,696,369	12.3%
Wholesale trade	5,010,902	4,666,757	-6.9%
Motor vehicles, parts and supplies	330,277	260,282	-21.2%
Furniture and home furnishings	105,256	101,183	-3.9%
Lumber and construction materials	191,842	184,226	-4.0%
Professional and commercial equipment and supplies	187,221	414,959	121.6%
Metals and minerals, except petroleum	88,587	87,455	-1.3%
Electrical goods	344,561	378,034	9.7%
Hardware, plumbing and heating equipment, and supplies	274,920	181,122	-34.1%
Machinery, equipment, and supplies	922,877	533,614	-42.2%
Recyclable materials	145,698	114,843	-21.2%
Miscellaneous durable goods	144,361	219,451	52.0%
Paper and paper products	130,889	118,620	-9.4%
Drugs, druggist sundries, chemicals and allied products	196,269	202,570	3.2%

**Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Apparel, piece goods and notions	134,357	124,937	-7.0%
Groceries and related products	801,750	831,910	3.8%
Farm product raw materials	62,926	43,916	-30.2%
Petroleum and petroleum products	171,659	159,951	-6.8%
Alcoholic beverages	121,793	129,799	6.6%
Farm supplies	89,624	80,933	-9.7%
Miscellaneous nondurable goods	566,034	498,952	-11.9%
Retail trade	13,672,631	15,221,716	11.3%
Motor vehicle and parts dealers	1,590,434	1,731,838	8.9%
Furniture and home furnishings and household appliances	625,179	703,936	12.6%
Radio, TV and computer stores	388,802	792,434	103.8%
Building materials, hardware, and lawn and garden equipment stores	750,098	1,180,682	57.4%
Food and beverage stores	3,145,341	3,115,543	-0.9%
Pharmacies and drug stores	579,084	669,172	15.6%
Other health and personal care stores	167,010	240,027	43.7%
Gasoline stations	563,137	407,344	-27.7%
Clothing and apparel including shoes	892,502	815,537	-8.6%
Jewelry, luggage and leather goods	184,046	186,436	1.3%
Sporting goods, cameras, and hobby and toy stores	311,228	373,750	20.1%
Sewing, needlework, and piece goods	72,395	54,004	-25.4%
Music stores	116,171	135,194	16.4%
Book stores and news dealers	115,414	168,803	46.3%
Department and other general stores	2,063,366	2,340,178	13.4%
Florists	186,056	174,432	-6.2%
Office supplies and stationery	124,835	196,996	57.8%
Used merchandise, gift, novelty, souvenir, and miscellaneous stores	582,117	834,652	43.4%
Electronic shopping and mail order houses	138,815	289,602	108.6%
Vending machine operators	75,678	59,457	-21.4%
Fuel dealers	117,214	62,361	-46.8%
Other direct selling establishments	883,708	689,338	-22.0%
Transportation and warehousing, and utilities	6,139,336	6,740,102	9.8%
Transportation and warehousing	4,850,882	5,565,853	14.7%
Air transportation	620,231	667,951	7.7%
Rail transportation	298,920	266,695	-10.8%
Water transportation	63,336	50,456	-20.3%
Truck transportation	1,310,629	1,684,591	28.5%
U.S. Postal Service	886,389	896,902	1.2%
Other transportation	1,460,968	1,731,114	18.5%
Warehousing and storage	210,410	268,144	27.4%
Utilities	1,288,454	1,174,249	-8.9%
Information	3,352,424	3,996,564	19.2%
Publishing, and motion picture and sound recording industries	1,335,243	1,334,873	0.0%

**Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Broadcasting and telecommunications	1,575,079	1,927,588	22.4%
Information services and data processing services	442,101	734,103	66.0%
Finance, insurance, real estate and rental and leasing	8,122,708	8,934,972	10.0%
Finance and insurance	5,933,464	6,486,572	9.3%
Real estate and rental and leasing	2,189,244	2,448,400	11.8%
Professional, scientific, management, administrative, and waste management services	8,999,116	12,061,865	34.0%
Professional, scientific, and technical services	5,555,371	7,596,861	36.7%
Management of companies and enterprises	10,724	70,471	557.1%
Administrative and support, and waste management services	3,433,022	4,394,533	28.0%
Educational, health, and social services	21,133,690	25,843,029	22.3%
Educational services	9,396,027	11,371,206	21.0%
Health care and social assistance	11,737,663	14,471,823	23.3%
Health care	9,989,347	11,954,657	19.7%
Social assistance	1,748,316	2,517,166	44.0%
Arts, entertainment, recreation, accommodation and food services	8,390,836	10,210,295	21.7%
Arts, entertainment, and recreation	1,559,117	2,306,485	47.9%
Accommodation and food services	6,831,720	7,903,810	15.7%
Other services (except public administration)	5,081,616	6,320,632	24.4%
Repair and maintenance	1,465,374	2,034,032	38.8%
Personal and laundry services	1,587,556	1,779,607	12.1%
Religious, grantmaking, civic, professional, and similar organizations	1,418,770	1,927,439	35.9%
Private households	609,915	579,554	-5.0%
Public administration	5,659,353	6,212,015	9.8%

**Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4			
<i>Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.</i>			
SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Total Employed	115,681,202	129,721,512	12.1%
Management, professional, & related occupations:	34,677,356	43,646,731	25.9%
Management, business, and financial operations occupations:	13,563,945	17,448,038	28.6%
Management occupations:	8,961,971	11,888,264	32.7%
Management occupations, except farmers and farm managers:	8,193,651	11,115,046	35.7%
Top executives	1,001,417	2,015,771	101.3%
Advertising, marketing, promotions, public relations, and sales managers	692,532	1,195,434	72.6%
Financial managers	915,044	938,136	2.5%
Operations specialties managers, except financial managers	926,150	1,572,872	69.8%
Other management occupations, except farmers and farm managers	4,658,508	5,392,833	15.8%
Farmers and farm managers	768,320	773,218	0.6%
Business and financial operations occupations:	4,601,974	5,559,774	20.8%
Business operations specialists	2,235,201	2,718,121	21.6%
Financial specialists:	2,366,773	2,841,653	20.1%
Accountants and auditors	1,454,818	1,726,236	18.7%
Other financial specialists	911,955	1,115,417	22.3%
Professional and related occupations:	21,113,411	26,198,693	24.1%
Computer and mathematical occupations:	1,563,769	3,168,447	102.6%
Computer specialists	1,361,923	3,014,441	121.3%
Mathematical science occupations	201,846	154,006	-23.7%
Architecture and engineering occupations:	2,745,384	2,659,298	-3.1%
Architects, surveyors, cartographers, and engineers:	1,752,469	1,926,689	9.9%
Architects, surveyors, and cartographers	215,975	224,234	3.8%
Engineers	1,536,494	1,702,455	10.8%
Drafters, engineering, and mapping technicians	992,915	732,609	-26.2%
Life, physical, and social science occupations:	1,254,975	1,203,443	-4.1%
Life and physical scientists	408,607	581,891	42.4%
Social scientists and related workers	360,899	339,806	-5.8%
Life, physical, and social science technicians	485,469	281,746	-42.0%
Community and social services occupations:	1,426,100	1,953,184	37.0%
Counselors, social workers, and other community and social service specialists	1,007,566	1,442,854	43.2%
Religious workers	418,534	510,330	21.9%
Legal occupations:	1,095,824	1,412,737	28.9%
Lawyers	690,263	862,037	24.9%
Judges, magistrates, and other judicial workers	59,842	57,791	-3.4%
Legal support workers	345,719	492,909	42.6%
Education, training, and library occupations:	5,834,733	7,337,276	25.8%
Postsecondary teachers	921,428	1,127,597	22.4%

**Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Teachers, primary, secondary, and special education:	3,883,453	4,454,895	14.7%
Teachers, preschool, kindergarten, elementary, and middle school	3,324,786	3,517,023	5.8%
Teachers, secondary school	488,016	764,581	56.7%
Teachers, special education	70,651	173,291	145.3%
Librarians, curators, and archivists	325,933	273,831	-16.0%
Other teachers, instructors, education, training, and library occupations	703,918	1,480,953	110.4%
Arts, design, entertainment, sports, and media occupations:	2,225,536	2,484,201	11.6%
Art and design workers	863,201	947,449	9.8%
Entertainers and performers, sports, and related workers	440,697	560,123	27.1%
Media and communications workers	921,639	976,629	6.0%
Healthcare practitioners and technical occupations:	4,967,091	5,980,107	20.4%
Health diagnosing and treating practitioners and technical occupations:	3,382,418	4,144,065	22.5%
Physicians and surgeons	568,309	700,846	23.3%
Registered nurses	1,853,853	2,233,864	20.5%
Therapists	337,144	488,700	45.0%
Other health diagnosing and treating practitioners and technical occupations	623,112	720,655	15.7%
Health technologists and technicians	1,584,673	1,836,042	15.9%
Service occupations:	16,667,140	19,276,947	15.7%
Healthcare support occupations:	1,987,137	2,592,815	30.5%
Nursing, psychiatric, and home health aides	1,277,893	1,674,755	31.1%
Occupational and physical therapist assistants and aides	31,287	58,811	88.0%
Other healthcare support occupations	677,957	859,249	26.7%
Protective service occupations:	2,114,937	2,549,906	20.6%
Fire fighting and law enforcement workers, including supervisors:	1,193,612	1,536,287	28.7%
Fire fighting and prevention workers, including supervisors	269,532	301,298	11.8%
Law enforcement workers, including supervisors	924,080	1,234,989	33.6%
Other protective service workers, including supervisors	921,325	1,013,619	10.0%
Food preparation and serving related occupations:	5,571,625	6,251,618	12.2%
Cooks and food preparation workers	1,952,050	2,164,587	10.9%
Waiters and waitresses	1,446,009	1,654,684	14.4%
Food and beverage serving workers, except waiters and waitresses	841,756	960,487	14.1%
Other food preparation and serving workers, including supervisors	1,331,810	1,471,860	10.5%
Building and grounds cleaning and maintenance occupations	4,058,221	4,254,365	4.8%
Personal care and service occupations:	2,935,220	3,628,243	23.6%
Personal appearance workers	782,333	866,246	10.7%
Transportation, tourism, and lodging attendants	196,351	218,177	11.1%
Child care workers	1,050,603	1,318,927	25.5%
Supervisors and other personal care and service workers, except child care workers	905,933	1,224,893	35.2%
Sales and office occupations:	32,715,689	34,621,390	5.8%
Sales and related occupations:	12,871,335	14,592,699	13.4%
Cashiers	1,948,886	2,682,650	37.7%
Retail sales workers, except cashiers	3,859,714	3,661,788	-5.1%

**Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Sales representatives, services, wholesale and manufacturing	2,887,433	3,195,340	10.7%
Other sales and related occupations, including supervisors	4,175,303	5,052,921	21.0%
Office and administrative support occupations:	19,844,354	20,028,691	0.9%
Communications equipment operators	236,409	167,816	-29.0%
Financial clerks, except bookkeeping, accounting and auditing clerks	1,247,071	1,246,073	-0.1%
Bookkeeping, accounting, and auditing clerks	1,732,493	1,703,122	-1.7%
Information and record clerks, except customer service representatives	2,337,888	2,695,936	15.3%
Customer service representatives	714,112	1,994,941	179.4%
Material recording, scheduling, dispatching, and distributing workers	3,272,757	3,386,339	3.5%
Secretaries and administrative assistants	4,161,705	3,725,070	-10.5%
Other office and administrative support workers, including supervisors	6,141,918	5,109,394	-16.8%
Farming, fishing, and forestry occupations:	1,407,001	951,810	-32.4%
Agricultural workers, including supervisors	1,211,399	796,262	-34.3%
Fishing, hunting, and forestry occupations	195,602	155,548	-20.5%
Construction, extraction, and maintenance occupations:	10,849,145	12,256,138	13.0%
Construction and extraction occupations:	6,320,971	7,149,269	13.1%
Supervisors, construction and extraction workers	786,687	911,013	15.8%
Carpenters	1,092,719	1,342,230	22.8%
Construction laborers	787,626	1,102,801	40.0%
Electricians	608,104	695,711	14.4%
Painters and paperhangers	474,771	529,051	11.4%
Pipelayers, plumbers, pipefitters, and steamfitters	481,202	520,846	8.2%
Construction trades workers except carpenters, electricians, painters, plumbers, and construction	1,471,203	1,570,332	6.7%
Other construction workers and helpers	436,463	355,116	-18.6%
Extraction workers	182,196	122,169	-32.9%
Installation, maintenance, and repair occupations:	4,528,173	5,106,869	12.8%
Vehicle and mobile equipment mechanics, installers, and repairers	1,844,467	1,973,568	7.0%
Electrical equipment mechanics and other installation, maintenance, and repair workers, including	2,683,707	3,133,301	16.8%
Production, transportation, and material moving occupations:	19,364,872	18,968,496	-2.0%
Production occupations:	11,994,886	11,008,625	-8.2%
Assemblers and fabricators	1,563,471	1,523,925	-2.5%
Food processing workers	623,040	521,296	-16.3%
Metal workers and plastic workers	2,297,292	2,324,580	1.2%
Printing workers	575,024	410,632	-28.6%
Textile, apparel, and furnishings workers	1,651,825	1,054,874	-36.1%
Woodworkers	269,641	261,571	-3.0%
Plant and system operators	307,860	253,465	-17.7%
Other production occupations, including supervisors	4,706,733	4,658,282	-1.0%
Transportation and material moving occupations:	7,369,986	7,959,871	8.0%
Supervisors, transportation, and material moving workers	459,868	237,902	-48.3%
Aircraft and traffic control occupations	174,889	158,481	-9.4%
Motor vehicle operators:	3,416,359	3,852,820	12.8%

**Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data,
Using the Categories Found on Census 2000 Summary Files 3 and 4**

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Bus drivers	422,837	496,379	17.4%
Driver/sales workers and truck drivers	2,684,497	3,104,853	15.7%
Motor vehicle operators, except bus and truck drivers	309,026	251,588	-18.6%
Rail, water, and other transportation workers:	479,736	400,826	-16.4%
Rail and water transportation workers	193,353	173,636	-10.2%
Other transportation occupations	286,384	227,190	-20.7%
Material moving workers:	2,839,134	3,309,842	16.6%
Laborers and material movers, hand	2,115,242	2,521,129	19.2%
Other material moving workers, except laborers	723,892	788,713	9.0%

1990-2000 Census Tabulation Crosswalk Template: Industry				Conversion of 1990 Census STF-3 Industry Categories to Census 2000 SF-3 Industry Categories			
Geographic Area:							
Section 1: Copy the Following Data From the 1990 Census STF-3 Detailed Tables:				Section 2: Copy the Following Data From the Census 2000 SF-3 Detailed Tables:			
P077. INDUSTRY - Universe: Employed persons 16 years and over				P51. SEX BY INDUSTRY FOR THE EMPLOYED CIVILIAN POPULATION 16 YEARS AND OVER			
Note: 1990 STF-3 provides data for Total Employed only.				Note: 2000 SF-3 provides data for employed by sex; copy data using instructions provided into the Male & Female columns; this table will compute the Total column.			
			Total		Male:	Female:	Total:
Employed persons 16 years and over			0	Total (Civilian Employed Population 16 and Over):			0
Agriculture, forestry, and fisheries (000-039)				Agriculture, forestry, fishing and hunting, and mining:			0
Mining (040-059)				Agriculture, forestry, fishing and hunting			0
Construction (060-099)				Mining			0
Manufacturing, nondurable goods (100-229)				Construction			0
Manufacturing, durable goods (230-399)				Manufacturing			0
Transportation (400-439)				Wholesale trade			0
Communications and other public utilities (440-499)				Retail trade			0
Wholesale trade (500-579)				Transportation and warehousing, and utilities:			0
Retail trade (580-699)				Transportation and warehousing			0
Finance, insurance, and real estate (700-720)				Utilities			0
Business and repair services (721-760)				Information			0
Personal services (761-799)				Finance, insurance, real estate and rental and leasing:			0
Entertainment and recreation services (800-811)				Finance and insurance			0
Professional and related services (812-899):				Real estate and rental and leasing			0
Health services (812-840)				Professional, scientific, management, administrative, and waste management services:			0
Educational services (842-860)				Professional, scientific, and technical services			0
Other professional and related services (841, 861-899)				Management of companies and enterprises			0
Public administration (900-939)				Administrative and support and waste management services			0
				Educational, health and social services:			0
				Educational services			0
				Health care and social assistance			0
				Arts, entertainment, recreation, accommodation and food services:			0
				Arts, entertainment, and recreation			0
				Accommodation and food services			0
				Other services (except public administration)			0
				Public administration			0

Section 3: 1990 STF-3 Industry Categories (17) and Conversion Factors (Percents)						Section 4: Conversion to 2000 SF-3 Categories (20)					
						Note: all data in this table add up to the 1990 totals					
Category	Label	1990 Codes	Number Employed	Percent	To	Category	Label	2000 Codes	Number Employed	100% To	
Agriculture, forestry, & fisheries	90AGF	010-032	0	74.05906	2KAGF	Agriculture, forestry, fishing & hunting	2KAGF	017-029	0	2KAGM	
				0.07867	2KMFG						
				5.78432	2KPST						
				19.04331	2KAWM						
				0.91662	2KOTS						
				0.11801	2KPUB						
Mining	90MIN	040-050	0	99.26244	2KMIN	Mining	2KMIN	037-049	0	2KAGM	
				0.36878	2KPST						
				0.36878	2KMGM						
Construction	90CON	060	0	95.97523	2KCON	Construction	2KCON	077	0	2KCON	
				0.30960	2KMFG						
				1.54799	2KPST						
				2.16718	2KAWM						
Manufacturing, nondurable goods	90MFN	100-222	0	0.05710	2KAGF	Manufacturing	2KMFG	107-399	0	2KMFG	
				0.02786	2KMIN						
				88.00460	2KMFG						
				11.91044	2KINF						
Manufacturing, durable goods	90MFD	230-392	0	1.10471	2KAGF						
				98.71923	2KMFG						
				0.01228	2KENT						
				0.08272	2KPST						
				0.08105	2KOTS						
Transportation	90TRN	400-432	0	0.22625	2KMFG	Transportation & warehousing	2KTRW	607-639	0	2KTWU	
				90.73461	2KTRW						
				0.47365	2KRRL						
				0.26196	2KENT						
				1.00235	2KHCS						
				7.22692	2KAWM						
				0.07425	2KPUB						
Communications & other public utilities	90CMU	440-472	0	1.20467	2KCON	Utilities	2KUTL	057-069	0	2KTWU	
				1.53237	2KTRW	Information	2KINF	647-679	0	2KINF	
				41.60250	2KUTL						
				50.31255	2KINF						
				0.26501	2KFIN						
				4.52992	2KAWM						
				0.55299	2KPUB						
Wholesale trade	90WHL	500-571	0	0.04211	2KAGF	Wholesale trade	2KWHL	407-459	0	2KWHL	
				0.73013	2KCON						
				0.23279	2KMFG						
				98.44436	2KWHL						
				0.46326	2KRET						
				0.08735	2KPST						
Retail trade	90RET	580-691	0	0.06632	2KCON	Retail trade	2KRET	467-579	0	2KRET	
				1.52121	2KMFG						
				0.14023	2KTRW						
				0.09629	2KWHL						
				69.87088	2KRET						
				0.10016	2KFIN						
				0.15492	2KENT						
				28.04998	2KACF						
Finance, insurance & real estate	90FIR	700-712	0	0.87669	2KCON	Finance & insurance	2KFIN	687-699	0	2KFIL	
				73.64623	2KFIN	Real estate, & rental & leasing	2KRRL	707-719	0	2KFIL	
				22.09369	2KRRL						
				0.25048	2KACF						
				0.37573	2KHCS						
				1.13490	2KPST						

				0.05111	2KMGM					
				1.17829	2KOTS					
				0.39288	2KPUB					
Business & repair services	90BUS	721-760	0	0.10431	2KAGF					
				0.05644	2KMIN					
				0.77800	2KCON					
				0.85176	2KMFG					
				1.75535	2KTRW					
				5.77374	2KINF					
				0.61556	2KRET					
				0.45152	2KFIN					
				4.13103	2KRRL					
				0.53622	2KENT					
				0.35729	2KHCS					
				20.62550	2KPST					
				36.79605	2KAWM					
				27.16724	2KOTS					
Personal services	90PER	761-791	0	0.27880	2KMFG					
				1.32839	2KRRL					
				1.26452	2KENT					
				34.02542	2KACF					
				0.50686	2KHCS					
				0.84889	2KEDU					
				5.50064	2KPST					
				2.13251	2KAWM					
				54.11398	2KOTS					
Entertainment & recreation services	90ENT	800-810	0	0.15127	2KMFG	Arts, entertainment, & recreation	2KENT	856-859	0	2KAEF
				18.30316	2KINF	Accommodation & food services	2KACF	866-869	0	2KAEF
				7.44021	2KRRL					
				68.01312	2KENT					
				2.28459	2KACF					
				2.28459	2KEDU					
				0.25384	2KAWM					
				1.01537	2KOTS					
				0.25384	2KPUB					
Health services	90HLT	812-840	0	0.73652	2KMFG	Health care & social assistance	2KHCS	797-847	0	2KEHS
				98.82157	2KHCS					
				0.44191	2KPUB					
Educational services	90EDU	842-860	0	0.31306	2KTRW	Educational services	2KEDU	786-789	0	2KEHS
				2.21608	2KINF					
				0.62611	2KACF					
				0.11310	2KHCS					
				96.70903	2KEDU					
				0.02262	2KOTS					
Other professional & related services	90PRO	841,861-893	0	4.22696	2KENT	Professional, scientific, & technical services	2KPST	727-749	0	2KPSM
				25.95366	2KHCS	Management of companies & enterprises	2KMGM	757	0	2KPSM
				0.14358	2KEDU	Administrative, support & waste management serv	2KAWM	758-779	0	2KPSM
				49.50912	2KPST	Other services (except public administration)	2KOTS	877-929	0	2KOTS
				0.05174	2KMGM					
				0.38198	2KAWM					
				18.38712	2KOTS					
				1.34582	2KPUB					
Public administration	90PUB	900-932	0	0.24035	2KTRW	Public administration	2KPUB	937-959	0	2KPUB
				0.80691	2KHCS					
				0.17931	2KAWM					
				0.30861	2KOTS					
				98.46481	2KPUB					
TOTAL			0			TOTAL			0	

Section 5: Conversion to 2000 "Quick" Table & Profile Categories (13)					Section 6: Comparison of 1990 to 2000, Using Census 2000 Industrial Category Definitions				
Note: all data in this table add up to the 1990 totals									
Category	Label	2000 Codes	Number Employed				Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Agriculture, forestry, fishing and hunting, and mining:	2KAGM	017-049	0		SF-3 / Demographic Profile Category (Profile categories in bold)				
					Agriculture, forestry, fishing and hunting, and mining:		0	0	#DIV/0!
					Agriculture, forestry, fishing and hunting		0	0	#DIV/0!
					Mining		0	0	#DIV/0!
Construction	2KCON	077	0		Construction		0	0	#DIV/0!
Manufacturing	2KMFG	107-399	0		Manufacturing		0	0	#DIV/0!
Wholesale trade	2KWHL	407-459	0		Wholesale trade		0	0	#DIV/0!
Retail trade	2KRET	467-579	0		Retail trade		0	0	#DIV/0!
Transportation and warehousing, and utilities:	2KTWU	057-069,607-639	0		Transportation and warehousing, and utilities:		0	0	#DIV/0!
					Transportation and warehousing		0	0	#DIV/0!
					Utilities		0	0	#DIV/0!
Information	2KINF	647-679	0		Information		0	0	#DIV/0!
Finance, insurance, real estate and rental and leasing:	2KFIL	687-719	0		Finance, insurance, real estate and rental and leasing:		0	0	#DIV/0!
					Finance and insurance		0	0	#DIV/0!
					Real estate and rental and leasing		0	0	#DIV/0!
Professional, scientific, management, administrative, and waste management services:	2KPSM	727-779	0		Professional, scientific, management, administrative, and waste management services:		0	0	#DIV/0!
					Professional, scientific, and technical services		0	0	#DIV/0!
					Management of companies and enterprises		0	0	#DIV/0!
					Administrative & support & waste management servs.		0	0	#DIV/0!
Educational, health and social services:	2KEHS	786-847	0		Educational, health and social services:		0	0	#DIV/0!
					Educational services		0	0	#DIV/0!
					Health care and social assistance		0	0	#DIV/0!
Arts, entertainment, recreation, accommodation and food services:	2KAEF	856-869	0		Arts, entertainment, recreation, accommodation and food services:		0	0	#DIV/0!
					Arts, entertainment, and recreation		0	0	#DIV/0!
					Accommodation and food services		0	0	#DIV/0!
Other services (except public administration)	2KOTS	877-929	0		Other services (except public administration)		0	0	#DIV/0!
Public administration	2KPUB	937-959	0		Public administration		0	0	#DIV/0!
TOTAL			0		TOTAL		0	0	#DIV/0!

1990-2000 Census Tabulation Crosswalk Template: Occupation							
Conversion of 1990 Census STF-3 Occupation Categories to Census 2000 SF-3 Occupation Categories							
Geographic Area:							
Section 1: Copy the Following Data From the 1990 Census STF-3 Detailed Tables:				Section 2: Copy the Following Data From the Census 2000 SF-3 Detailed Tables:			
P078. OCCUPATION - Universe: Employed persons 16 years and over				P50. SEX BY OCCUPATION FOR THE EMPLOYED CIVILIAN POPULATION 16 YEARS AND OVER			
Note: 1990 STF-3 provides data for Total Employed only.				Note: 2000 SF-3 provides data for employed by sex; copy data using instructions provided into the Male/Female columns; this table will compute the Total column.			
			Total		Male:	Female:	Total:
Employed persons 16 years and over			0	Civilian Employed Population 16 and Over:			0
Managerial and professional specialty occupations (000-202):				Management, professional, and related occupations:			0
Executive, administrative, & managerial occs (000-042)				Management, business, and financial operations occupations:			0
Professional specialty occupations (043-202)				Management occupations, except farmers & farm managers			0
Technical, sales, and administrative support occs (203-402):				Farmers and farm managers			0
Technicians and related support occupations (203-242)				Business and financial operations occupations:			0
Sales occupations (243-302)				Business operations specialists			0
Administrative support occupations, incl. clerical (303-402)				Financial specialists			0
Service occupations (403-472):				Professional and related occupations:			0
Private household occupations (403-412)				Computer and mathematical occupations			0
Protective service occupations (413-432)				Architecture and engineering occupations:			0
Service occupations, exc. protective & household (433-472)				Architects, surveyors, cartographers, and engineers			0
Farming, forestry, and fishing occupations (473-502)				Drafters, engineering, and mapping technicians			0
Precision production, craft, and repair occupations (503-702)				Life, physical, and social science occupations			0
Operators, fabricators, and laborers (703-902):				Community and social services occupations			0
Machine operators, assemblers, and inspectors (703-802)				Legal occupations			0
Transportation and material moving occupations (803-863)				Education, training, and library occupations			0
Handlers, equipment cleaners, helpers, & laborers (864-902)				Arts, design, entertainment, sports, and media occupations			0
				Healthcare practitioners and technical occupations:			0
				Health diagnosing and treating practitioners & technical occs			0
				Health technologists and technicians			0
				Service occupations:			0
				Healthcare support occupations			0
				Protective service occupations:			0
				Fire fighting, prevention, and law enforcement workers, incl. supervisors			0
				Other protective service workers, including supervisors			0
				Food preparation and serving related occupations			0
				Building and grounds cleaning and maintenance occupations			0
				Personal care and service occupations			0
				Sales and office occupations:			0
				Sales and related occupations			0
				Office and administrative support occupations			0
				Farming, fishing, and forestry occupations			0
				Construction, extraction, and maintenance occupations:			0
				Construction and extraction occupations:			0
				Supervisors, construction and extraction workers			0
				Construction trades workers			0
				Extraction workers			0
				Installation, maintenance, and repair occupations			0
				Production, transportation, and material moving occupations:			0
				Production occupations			0
				Transportation and material moving occupations:			0
				Supervisors, transportation and material moving workers			0
				Aircraft and traffic control occupations			0
				Motor vehicle operators			0
				Rail, water and other transportation occupations			0
				Material moving workers			0

Section 3: 1990 STF-3 Occupation Categories (13) and Conversion Factors (Percents)						Section 4: Conversion to 2000 SF-3 Categories (33)					
						Note: all data in this table add up to the 1990 totals					
Category	Label	1990 Codes	Number Employed	Percent	To	Category	Label	2000 Codes	Number Employed	100% To	
Executive, administrative, & managerial occs	90EAM	003-037	0	55.80085	2KMGR	Management occs, exc. farmers & farm managers	2KMGR	001-016,022-043	0	2KMGR	
				12.33205	2KBUS	Farmers & farm managers	2KFRM	020,021	0	2KMGR	
				15.21574	2KFIN	Business operations specialists	2KBUS	050-073	0	2KMGR	
				0.53699	2KCPT	Financial specialists	2KFIN	080-095	0	2KMGR	
				0.05353	2KENG						
				0.01836	2KSCI						
				0.36499	2KSOC						
				0.16436	2KLEG						
				0.32117	2KEDU						
				0.37470	2KENT						
				0.16680	2KHDT						
				1.78342	2KSAL						
				6.43384	2KOFF						
				0.22317	2KFPD						
				0.20761	2KOPT						
				1.99608	2KEAT						
				0.26764	2KBGM						
				1.02739	2KPER						
				0.27833	2KFFF						
				0.53878	2KCON						
				0.69587	2KIMR						
				0.03711	2KPRD						
				0.96352	2KSTM						
				0.16059	2KAIR						
				0.03711	2KRWT						
Professional specialty occs	90PRO	043-199	0	0.52047	2KMGR	Computer & mathematical occs	2KCPT	100-124	0	2KMGR	
				0.00562	2KFRM	Architects, surveyors, cartographers, & engineers	2KENG	130-153	0	2KMGR	
				0.20986	2KBUS						
				4.98110	2KCPT						
				10.42993	2KENG						
				0.00147	2KETC						
				4.54881	2KSCI						
				8.17025	2KSOC						
				4.73206	2KLEG						
				32.85030	2KEDU						
				12.12467	2KENT						
				20.14438	2KHDT						
				0.17983	2KHTC						
				0.01103	2KSAL						
				0.00735	2KOFF						
				0.26813	2KHSP						
				0.71882	2KPER						
				0.00936	2KFFF						
				0.02382	2KIMR						
				0.05425	2KPRD						
				0.00851	2KRWT						
Technicians & related support occs	90TEC	203-235	0	15.82883	2KCPT	Drafters, engineering & mapping technicians	2KETC	154-156	0	2KMGR	
				1.03786	2KENG	Life, physical, & social science occs	2KSCI	160-196	0	2KMGR	
				23.23360	2KETC	Community & social services occs	2KSOC	200-206	0	2KMGR	
				11.87954	2KSCI	Legal occs	2KLEG	210-215	0	2KMGR	
				0.04154	2KSOC	Education, training, & library occs	2KEDU	220-255	0	2KMGR	
				5.79650	2KLEG	Arts, entertainment, sports, & media occs	2KENT	260-296	0	2KMGR	
				0.47741	2KEDU	Health diagnosing & treating practitioners & technical occs	2KHDT	300-326,354	0	2KMGR	
				3.99200	2KENT						
				0.77422	2KHDT						

				28.72575	2KHTC	Health technologists & technicians	2KHTC	330-353		0	2KMPR
				0.17805	2KOFF						
				3.42861	2KHSP						
				0.19227	2KIMR						
				0.84248	2KPRD						
				3.57136	2KAIR						
Sales occs	90SAL	243-285	0	1.23485	2KMGR						
				1.22012	2KBUS						
				1.38746	2KFIN	Sales & related occs	2KSAL	470-496		0	2KSLO
				0.06357	2KEDU						
				0.00950	2KENT						
				0.03082	2KHTC						
				91.31110	2KSAL						
				0.53450	2KEAT						
				0.62872	2KHSP						
				1.82979	2KOFF						
				0.96128	2KPRD						
				0.50517	2KSTM						
				0.28312	2KMVO						
Administrative support occs, incl. clerical	90CLR	303-389	0	1.48226	2KBUS	Office & administrative support occs	2KOFF	500-593		0	2KSLO
				0.05318	2KFIN						
				0.00687	2KCPT						
				0.00320	2KSOC						
				0.28723	2KLEG						
				1.66975	2KEDU						
				0.01627	2KENT						
				0.42212	2KHTC						
				0.77069	2KSAL						
				94.64936	2KOFF						
				0.01471	2KOPT						
				0.03423	2KEAT						
				0.20014	2KHSP						
				0.22050	2KPRD						
				0.00679	2KRWT						
				0.16268	2KMMV						
Private household occs	90PHH	403-407	0	0.20786	2KOFF						
				2.96197	2KEAT						
				59.33555	2KBGM						
				37.18243	2KPER						
				0.31219	2KPRD						
Protective service occs	90PRS	413-427	0	0.13555	2KFIN						
				58.30135	2KFPD	Firefighting, prevention & law enforcement workers, incl. supervisors	2KFPD	370-372,374-386		0	2KSVC
				40.91857	2KOPT	Other protective service workers, incl. supervisors	2KOPT	373,390-395		0	2KSVC
				0.64453	2KPER						
Service occs, exc. protective & household	90SVC	433-469	0	0.00875	2KMGR						
				0.30970	2KSOC	Food preparation & serving related occs	2KEAT	400-416		0	2KSVC
				0.69809	2KEDU	Healthcare support occs	2KHSP	360-365		0	2KSVC
				0.01749	2KENT						
				0.32116	2KHDT						
				1.54761	2KHTC	Building & grounds cleaning & maintenance occs	2KBGM	420-425		0	2KSVC
				0.04357	2KSAL						
				0.02300	2KOFF						
				0.01808	2KOPT						
				40.62668	2KEAT	Personal care & service occs	2KPER	430-465		0	2KSVC
				12.91658	2KHSP						
				23.19295	2KBGM						
				18.36269	2KPER						
				0.10169	2KIMR						
				0.42307	2KPRD						
				0.01324	2KMVO						

				1.37565	2KMMV					
Farming, forestry, & fishing occs	90FFF	473-499	0	27.03070	2KFRM	Farming, fishing, & forestry occs	2KFFF	600-613		0 2KFFF
				0.17291	2KSCI					
				0.02683	2KENT					
				0.81235	2KHSP					
				23.84727	2KBGM					
				3.81903	2KPER					
				43.95856	2KFFF					
				0.07568	2KPRD					
				0.07413	2KRWT					
				0.18253	2KMMV					
Precision production, craft, & repair occs	90PCR	503-699	0	0.00742	2KBUS	Supervisors, construction & extraction workers	2KSCE	620		0 2KCEM
				0.08188	2KENT	Construction trades workers	2KCON	621-676		0 2KCEM
				0.38892	2KHTC	Extraction workers	2KEXT	680-694		0 2KCEM
				1.46545	2KOFF					
				0.00843	2KBGM					
				6.00618	2KSCE	Installation, maintenance, & repair occs	2KIMR	700-762		0 2KCEM
				30.60872	2KCON					
				1.09056	2KEXT					
				32.18493	2KIMR					
				26.74662	2KPRD					
				1.07752	2KSTM					
				0.19924	2KRWT					
				0.13415	2KMMV					
Machine operators, assemblers, & inspectors	90OPS	703-799	0	0.09094	2KENT					
				0.06063	2KOFF	Production occs	2KPRD	770-896		0 2KPTM
				0.12258	2KPER					
				0.45349	2KFFF					
				0.17450	2KCON					
				0.55909	2KIMR					
				97.55821	2KPRD					
				0.18464	2KRWT					
				0.79592	2KMMV					
Transportation & material moving occs	90TMM	803-859	0	0.01739	2KOPT					
				0.79654	2KFFF					
				6.16805	2KCON	Supervisors, transportation & material moving workers	2KSTM	900		0 2KPTM
				0.30010	2KEXT	Air transportation workers	2KAIR	903-904		0 2KPTM
				1.14892	2KIMR	Motor vehicle operators	2KMVO	911-915		0 2KPTM
				0.05218	2KPRD					
				2.07019	2KSTM	Rail, water, & other transportation occs	2KRWT	920-942		0 2KPTM
				71.39063	2KMVO					
				4.69701	2KRWT					
				13.35898	2KMMV					
Handlers, equipment cleaners, helpers, & laborers	90LAB	864-889	0	0.07813	2KETC	Material moving workers	2KMMV	950-975		0 2KPTM
				0.33197	2KSAL					
				14.26187	2KOFF					
				1.54359	2KOPT					
				1.49631	2KBGM					
				0.97243	2KFFF					
				21.05642	2KCON					
				0.55146	2KEXT					
				1.97242	2KIMR					
				10.90345	2KPRD					
				0.32587	2KSTM					
				4.53357	2KRWT					
				41.97250	2KMMV					
TOTAL			0			TOTAL				0

Section 5: Conversion to 2000 "Quick" Table & Profile Categories (6)				Section 6: Comparison of 1990 to 2000, Using Census 2000 Occupational Category Definitions				
Note: all data in this table add up to the 1990 totals								
Category	Label	2000 Codes	Number Employed			Number Employed, 1990 Census	Number Employed, 2000 Census	Percent Change, 1990-2000
Management, professional, & related occs	2KMPR	001-354	0		SF-3 / Demographic Profile Category (Profile categories in bold)			
					Management, professional, & related occs	0	0	#DIV/0!
					Management, business, and financial operations occupations:	0	0	#DIV/0!
					Management occupations, except farmers & farm managers	0	0	#DIV/0!
					Farmers and farm managers	0	0	#DIV/0!
					Business and financial operations occupations:	0	0	#DIV/0!
					Business operations specialists	0	0	#DIV/0!
					Financial specialists	0	0	#DIV/0!
					Professional and related occupations:	0	0	#DIV/0!
					Computer and mathematical occupations	0	0	#DIV/0!
					Architecture and engineering occupations:	0	0	#DIV/0!
					Architects, surveyors, cartographers, and engineers	0	0	#DIV/0!
					Drafters, engineering, and mapping technicians	0	0	#DIV/0!
					Life, physical, and social science occupations	0	0	#DIV/0!
					Community and social services occupations	0	0	#DIV/0!
					Legal occupations	0	0	#DIV/0!
					Education, training, and library occupations	0	0	#DIV/0!
					Arts, design, entertainment, sports, and media occupations	0	0	#DIV/0!
					Healthcare practitioners and technical occupations:	0	0	#DIV/0!
					Health diagnosing and treating practitioners & technical occs	0	0	#DIV/0!
					Health technologists and technicians	0	0	#DIV/0!
Service occs	2KSVC	360-465	0		Service occupations:	0	0	#DIV/0!
					Healthcare support occupations	0	0	#DIV/0!
					Protective service occupations:	0	0	#DIV/0!
					Fire fighting, prevention, and law enforcement workers, incl. supervisors	0	0	#DIV/0!
					Other protective service workers, including supervisors	0	0	#DIV/0!
					Food preparation and serving related occupations	0	0	#DIV/0!
					Building and grounds cleaning and maintenance occupations	0	0	#DIV/0!
					Personal care and service occupations	0	0	#DIV/0!
Sales & office occs	2KSLO	470-593	0		Sales and office occupations:	0	0	#DIV/0!
					Sales and related occupations	0	0	#DIV/0!
					Office and administrative support occupations	0	0	#DIV/0!
Farming, fishing, & forestry occs	2KFFF	600-613	0		Farming, fishing, and forestry occupations	0	0	#DIV/0!
Construction, extraction, & maintenance occs	2KCEM	620-762	0		Construction, extraction, and maintenance occupations:	0	0	#DIV/0!
					Construction and extraction occupations:	0	0	#DIV/0!
					Supervisors, construction and extraction workers	0	0	#DIV/0!
					Construction trades workers	0	0	#DIV/0!
					Extraction workers	0	0	#DIV/0!
					Installation, maintenance, and repair occupations	0	0	#DIV/0!
Production, transportation, & material moving occs	2KPTM	770-975	0		Production, transportation, and material moving occupations:	0	0	#DIV/0!
					Production occupations	0	0	#DIV/0!
					Transportation and material moving occupations:	0	0	#DIV/0!
					Supervisors, transportation and material moving workers	0	0	#DIV/0!
					Aircraft and traffic control occupations	0	0	#DIV/0!
					Motor vehicle operators	0	0	#DIV/0!
					Rail, water and other transportation occupations	0	0	#DIV/0!
					Material moving workers	0	0	#DIV/0!
TOTAL			0		TOTAL	0	0	#DIV/0!