Potential Improvements to the Supplemental Poverty Measure

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- All errors are my own
- Preliminary work, please do not cite



Supplemental Poverty Measure (SPM)

The Supplemental Poverty Measure: 2018

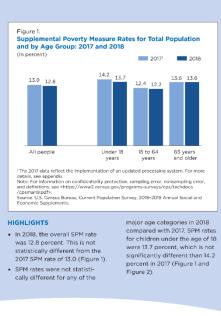
Current Population Reports

Liana Fox P60-268 (RV)

October 2019

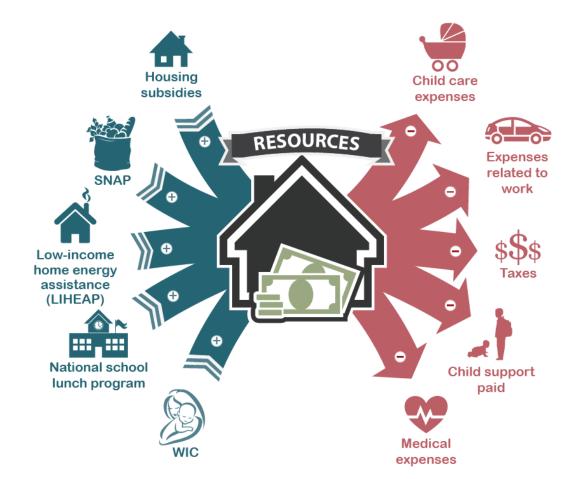
INTRODUCTION

Since the publication of the first official U.S. poverty estimates, researchers and policymakers have continued to discuss the best approach to measure income and poverty in the United States. Beginning in 2011, the U.S. Census Bureau began publishing the Supplemental Poverty Measure (SPM), which extends the official poverty measure by taking account of many of the government programs designed to assist low-income families and individuals that are not included in the official poverty measure. This is the ninth report describing the SPM, released by the Census Bureau, with support from the Bureau of Labor Statistics (BLS). This report presents updated estimates of the prevalence of poverty in the United States using the official measure and the SPM based on information collected in 2019 and earlier Current Population Survey Annual Social and Economic Supplements (CPS ASEC).



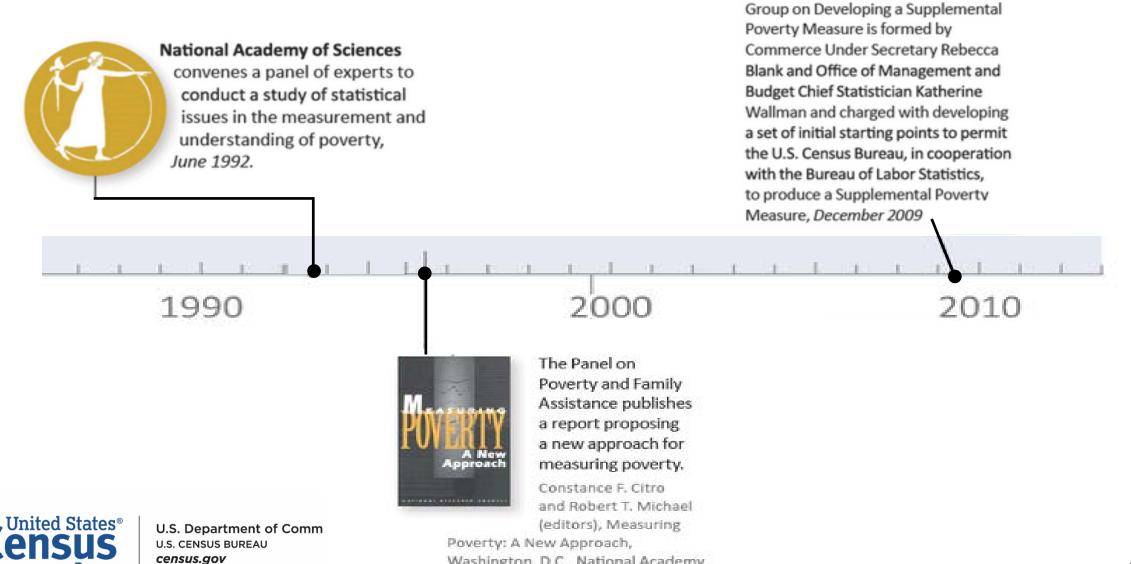
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Poverty: The History of a Measure

An Interagency Technical Working



Washington, D.C., National Academy

Press, 1995.

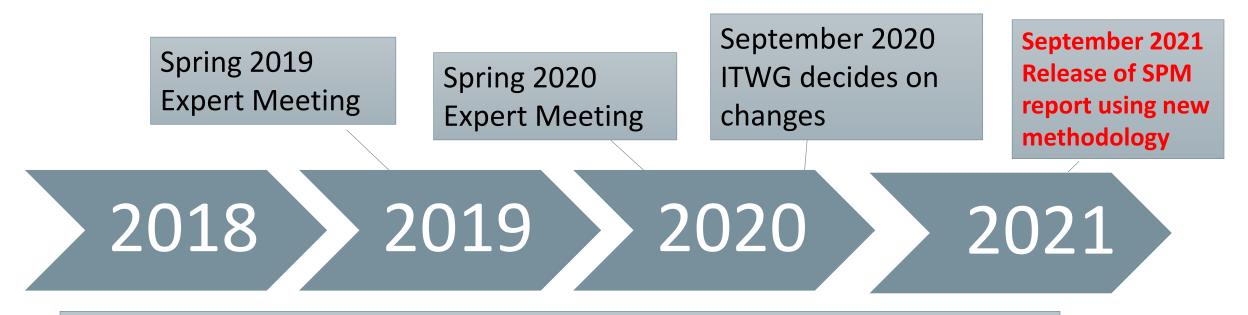
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ITWG Guidance

- According to the ITWG recommendations, SPM should be seen as a research measure, improving due to changes in data, methodology or research
- Priority should be placed on "consistency between threshold and resource definitions, data availability, simplicity in estimation, stability of the measure over time, and ease in explaining methodology (ITWG, 2010)"



Timeline for SPM Changes



February 2018 – September 2021 Working papers and conference presentations discussing potential changes to the measure



U.S. Department of Commerce U.S. CENSUS BUREAU *census.gov* September 2020 – September 2021 Research showing the impact of the changes on 2019 SPM rates - including research file.

Changes under Consideration-Resources

	SPM	Potential Changes
		 Use state data to set WIC benefits
	Sum of cash income, PLUS: in-kind benefits (SNAP, LIHEAP, WIC, Housing	 Impute school breakfast value
Resource	subsidies)	 Cap nutritional assistance and non-
measure	MINUS: Taxes, child support paid, work expenses (including child care), medical out-of-pocket	premium medical expenses
	expenses	• Correct survey reports for underreports
		Incorporate health insurance value



Current SPM Threshold Construction

- Produced by Bureau of Labor Statistics-Division of Price and Index Number Research (BLS-DPINR) using 5 years of Consumer Expenditure Survey Interview (CE) data
- 30th-36th percentile of expenditures of food, clothing, shelter, and utilities (FCSU) plus additional 20%
- Based on estimation sample of resource units with *exactly* 2 kids
- Separate thresholds by housing tenure: Owners with mortgage, owners without mortgage and renters
- Adjust for unit size/composition and geography



Changes under Consideration-Threshold

	Move to the medianExpand the reference sample
Poverty threshold 30 th -36 th percentile of expenditures on food, clothing, shelter and utilities (+ 20%)	 Impute the value of in-kind benefits Move telephone + internet out of utilities



Contact

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https://www.census.gov/topics/income-poverty/supplemental-povertymeasure.html



Extra Slides



Summary/Recommendations-Resources

- WIC modification adds complication without changing our understanding poverty rates or distributions, but could be useful for assessing future state changes
- Would like feedback on school breakfast imputation
- Additional research is needed on correcting for SNAP underreporting across states and years



Summary/Recommendations-Thresholds

- We recommend expanding the estimation sample
 - 1+ kids would nearly triple sample size, and keep similar attributes.
 - All CU's would increase sample size 9-fold, but concern that families without children spend differently than families with children.
- We recommend moving the base of the threshold from 33rd to some percentage of median.
 - In 2016, 75.5% of median would match 33rd/2 kids overall SPM rate.
 - In 2011, 77% of median would match 33rd/2 kids overall SPM rate.



Potential Changes to Resources—for 2021

- Special Supplemental Nutrition Program for Woman, Infants and Children (WIC)
 - Allow assigned value to vary by state instead of using national average WIC benefit value for all
- National School Lunch Program
 - We consider imputing incidence of school breakfast as well, which isn't included in CPS ASEC
- Capping nutritional assistance and non-premium medical expenses
 - Restrict maximum value of combined nutritional assistance programs not to exceed food portion of thresholds.
 - Cap non-premium medical expenses at share of income.



Potential Changes to Resources—in the future

- Correcting Survey Reports for Mis-reporting
 - Ongoing research using administrative records to correct for SNAP underreporting
- Incorporate Heath Insurance Value
 - Explore feasibility of health-inclusive poverty measure



Potential Changes to Thresholds—for 2021

- Expand estimation sample from CU's with exactly 2 children
 - Increase sample size
 - Reflect spending patterns of a larger share of the population
- Move base from 30-36th percentile to median of FCSU dist.
 - Reduce impact of imputed benefits
 - Allow for future incorporation of medical expenses



Potential Changes to Thresholds—for 2021 (cont.)

- Impute the value of in-kind benefits
- Move telephone + internet out of utilities
 - Don't geographically adjust
- Modify geographic adjustment
 - Consider alternative adjustment methods such as RPPs



Potential Changes to Thresholds—in the future

- Drop 20% Multiplier
 - Explicitly include expenditures for personal care items and ½ of transportation
- Incorporate Heath Care Needs
 - Explore feasibility of health-inclusive poverty measure

