



Real-time Poverty Estimates During the COVID-19 Pandemic through February 2021*

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March 18, 2021

^{*} We thank the National Science Foundation, the Menard Family Foundation, and the Wilson Sheehan Lab for Economic Opportunities (LEO) for their financial support.

Poverty Holds Steady as Households Await New Round of Benefits

The coronavirus pandemic has taken a significant toll on the U.S. labor market. Since the start of the pandemic, more than 100 million claims for unemployment insurance have been filed. While UI claims fell sharply from April through July, weekly claims have remained high since then at more than 1 million claims each week, about 5 times the pre-pandemic rate. Currently, 10 million individuals are officially unemployed and millions of other former workers are still without jobs. The government response to this depressed employment and slow growth has been sporadic. Early in the pandemic, the federal government offered a generous relief package that included large, one-time stimulus payments to households and greatly expanded unemployment insurance benefits. After many of these benefits expired, the federal government passed another relief package in December 2020 that provided additional, but smaller, stimulus payments and partially extended some of the other benefits. The most recent relief package, The American Rescue Plan, includes more generous stimulus payments and additional expansions to unemployment insurance benefits, as well as a significant increase in the child tax credit. Few households have received benefits from this most recent package to date, but we should start to see the impact of these benefits on poverty in the coming months.

The effect of the pandemic on the economy and the government's response have had a noticeable impact on poverty rates over the past year. In a <u>recent study</u>, which is forthcoming in the *Brookings Papers on Economic Activity*, we developed a new poverty measure that provides near-real-time poverty estimates using U.S. Census Bureau data. These estimates, which can be produced with a lag of only a few weeks, provide immediate information on how the pandemic is affecting individuals and families. As a result, the estimates should guide government policies and programs that help prevent people from slipping into poverty during sharp downturns in the economy. This report summarizes the results from the most recent update to our study, including poverty rates through February 2021. These monthly updates are also available through our Poverty Measurement Dashboard at http://povertymeasurement.org/covid-19-poverty-dashboard/.

Our initial study provided estimates through June 2020. In Table 1, we report these estimates as well as updated results through February 2021. Our initial results showed that poverty declined in the first few months after the start of the pandemic. The poverty rate fell by 1.3 percentage points from 10.7 percent in January 2020 to 9.4 percent in June 2020. We also showed that poverty declined across a range of demographic groups and geographies, with some of the most noticeable declines evident for people with low levels of education and for those who fall into the "other race" (neither white nor Black) category.

In the last 6 months of 2020, however, poverty rose sharply, as some of the benefits that were part of the initial government relief package expired. Poverty rose by 2 percentage points from 9.4 percent in June to 11.4 percent in December, adding 6.7 million people to the ranks of the poor. Poverty rose each month between June and November even though the unemployment rate fell by 40 percent (from 11.1 percent to 6.7 percent) during this period. This disconnect between poverty and unemployment is not surprising given that many government benefits expired,

¹ These numbers differ slightly from previously published numbers because of an improvement to the imputation methods.

unemployment insurance benefits are typically only about half of pre-job loss earnings, and over five million people have left the labor force in the past year and therefore are not counted as unemployed.

The increase in poverty in the latter half of 2020 was more noticeable for Blacks, children, and those with a high school education or less. For Blacks, poverty rose by 2.9 percentage points between June and December. Poverty also rose noticeably for those with a high school education or less, from 16.7 percent in June to 21.7 percent in December.

A new round of stimulus payments of up to \$600 per person started going out in January and Pandemic Unemployment Compensation, which provides supplemental benefits to those collecting unemployment insurance, was revived at a lower amount (\$300 per week as compared to the \$600 per week supplement that expired in July). The American Rescue Plan, which was signed into law last week, will provide additional stimulus payments of up to \$1,400 per person as well as an extension of the \$300 Pandemic Unemployment Compensation payments to September.

Our poverty estimates for January and February 2021 suggest that the relief package passed in December 2020 reversed the trend of rising poverty during the latter half or 2020. The poverty rate fell 0.3 percentage points from 11.4 percent in December to 11.1 percent in January and then rose only slightly to 11.2 percent in February. Since June of 2020, the group that has seen the largest rise in poverty is those with a high school degree or less education. For this group, poverty rose by 5.2 percentage points from 16.7 percent in June to 21.8 percent in February.

In our initial study, we also showed that the entire decline in poverty through June can be accounted for by the one-time stimulus checks the federal government issued, predominantly in April and May, and the expansion of unemployment insurance eligibility and benefits. In fact, in absence of these programs, poverty would have risen sharply. The one-time payments provided up to \$1,200 to individuals and \$2,400 to married couples without dependents, with the maximum amount going to individuals with income under \$75,000, and married couples with income under \$150,000. In addition, unemployment insurance benefits were initially increased by \$600 per week and eligibility for unemployment insurance was broadened to include the self-employed, those seeking part-time employment, and others who otherwise would not be eligible.

To calculate near-real-time estimates of poverty, we use data from the monthly Current Population Survey (CPS), a nationally representative survey of about 60,000 households each month — the same survey that is used to calculate official monthly unemployment statistics. This survey includes a question about family income that is asked of a quarter of the sample and provides the data necessary to estimate poverty. We show that, historically, the real-time poverty estimate from the monthly CPS has been a good predictor of changes in the official poverty rate. See our <u>study</u> for more details.

Table 1. Poverty Rates, Monthly CPS, 2020-2021

Month	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Jun-20 - Jan-20	Feb-21 - Jun-20	Feb-21 - Jan-20
Full Sample	10.7%	10.7%	10.3%	9.2%	9.1%	9.4%	10.2%	10.4%	10.6%	11.3%	11.6%	11.4%	11.1%	11.2%	-1.3%	1.8%	0.4%
	(0.5)	(0.5)	(0.5)	(0.7)	(0.6)	(0.6)	(0.6)	(0.6)	(0.5)	(0.5)	(0.5)	(0.6)	(0.5)	(0.5)	(8.0)	(8.0)	(0.7)
Number of individuals	20,020	20,822	16,733	14,383	14,236	14,391	15,156	16,341	18,358	18,748	18,151	17,356	18,328	18,846			
Age																	
Age 0-17	15.1%	14.9%	16.5%	14.0%	12.7%	13.4%	15.5%	15.6%	16.0%	16.6%	15.8%	15.9%	16.0%	16.1%	-1.7%	2.7%	1.0%
	(1.0)	(1.0)	(1.2)	(1.4)	(1.4)	(1.3)	(1.3)	(1.3)	(1.2)	(1.1)	(1.0)	(1.2)	(1.1)	(1.1)	(1.7)	(1.7)	(1.5)
Age 18-64	9.8%	9.6%	8.6%	7.8%	8.3%	8.4%	9.2%	9.3%	9.1%	10.0%	10.8%	10.4%	10.1%	10.2%	-1.4%	1.8%	0.4%
	(0.5)	(0.5)	(0.5)	(0.6)	(0.6)	(0.6)	(0.6)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.7)	(8.0)	(0.7)
Age 65+	7.6%	8.8%	7.3%	7.1%	6.6%	7.0%	5.9%	6.8%	8.0%	8.1%	8.5%	8.3%	7.1%	7.1%	-0.6%	0.2%	-0.5%
	(0.6)	(0.6)	(0.6)	(0.7)	(0.6)	(0.7)	(0.6)	(0.6)	(0.6)	(0.6)	(0.7)	(0.7)	(0.6)	(0.6)	(0.9)	(0.9)	(8.0)
Race																	
White	9.3%	8.9%	8.7%	7.7%	7.9%	7.9%	8.8%	8.0%	8.7%	9.5%	10.0%	10.0%	9.4%	9.1%	-1.4%	1.3%	-0.1%
	(0.5)	(0.5)	(0.6)	(0.7)	(0.7)	(0.6)	(0.7)	(0.6)	(0.5)	(0.5)	(0.6)	(0.6)	(0.6)	(0.5)	(8.0)	(8.0)	(0.7)
Black	18.5%	20.7%	21.8%	17.8%	16.1%	19.1%	18.5%	23.3%	22.5%	22.7%	20.9%	22.1%	20.9%	21.0%	0.6%	1.8%	2.4%
	(1.7)	(1.7)	(2.1)	(2.5)	(2.2)	(2.3)	(2.3)	(2.5)	(2.1)	(2.1)	(2.1)	(2.2)	(2.0)	(2.2)	(2.9)	(3.2)	(2.8)
Other	12.2%	11.9%	9.1%	9.3%	9.6%	8.3%	10.3%	11.5%	10.1%	10.3%	12.2%	9.6%	12.1%	13.2%	-3.9%	4.8%	0.9%
	(1.5)	(1.6)	(1.4)	(2.0)	(2.2)	(1.7)	(2.0)	(2.1)	(1.7)	(1.5)	(1.7)	(1.5)	(1.7)	(1.8)	(2.3)	(2.5)	(2.3)
Gender																	
Male	10.2%	9.8%	8.9%	8.5%	8.4%	8.9%	8.9%	9.5%	9.9%	10.5%	10.8%	11.1%	10.5%	10.4%	-1.4%	1.5%	0.2%
	(0.5)	(0.5)	(0.6)	(0.7)	(0.7)	(0.7)	(0.7)	(0.6)	(0.6)	(0.5)	(0.6)	(0.6)	(0.6)	(0.6)	(0.9)	(0.9)	(8.0)
Female	11.3%	11.7%	11.7%	9.9%	9.8%	9.9%	11.4%	11.3%	11.3%	12.0%	12.4%	11.7%	11.6%	11.9%	-1.3%	2.0%	0.6%
	(0.5)	(0.6)	(0.6)	(0.7)	(8.0)	(0.7)	(0.7)	(0.7)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.9)	(0.9)	(8.0)
Head Education																	
H.S. Degree or below	20.8%	19.6%	20.6%	19.0%	17.7%	16.7%	19.3%	20.0%	20.5%	22.2%	22.2%	21.7%	21.3%	21.8%	-4.1%	5.2%	1.1%
	(1.2)	(1.1)	(1.4)	(1.6)	(1.5)	(1.4)	(1.6)	(1.4)	(1.2)	(1.2)	(1.2)	(1.3)	(1.3)	(1.3)	(1.8)	(1.9)	(1.7)
Some College or above	6.0%	6.3%	5.5%	4.6%	5.2%	6.1%	5.7%	5.8%	5.8%	6.0%	6.3%	6.5%	6.3%	5.7%	0.1%	-0.4%	-0.3%
	(0.4)	(0.5)	(0.5)	(0.5)	(0.6)	(0.6)	(0.6)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(8.0)	(8.0)	(0.6)
UI Recipiency Rate																	
High Q1 Recipiency	9.3%	9.8%	8.5%	8.2%	8.4%	8.7%	10.0%	10.0%	8.5%	10.0%	10.4%	10.2%	10.3%	10.5%	-0.6%	1.8%	1.2%
(>=35%)	(0.6)	(0.7)	(0.7)	(0.9)	(0.9)	(0.9)	(0.9)	(8.0)	(0.7)	(0.7)	(8.0)	(0.8)	(8.0)	(8.0)	(1.1)	(1.2)	(1.0)
Low Q1 Recipiency	12.1%	11.6%	12.1%	10.1%	9.9%	10.0%	10.3%	10.8%	12.6%	12.5%	12.8%	12.7%	11.8%	11.7%	-2.0%	1.7%	-0.4%
(<35%)	(0.7)	(0.7)	(0.9)	(0.9)	(0.9)	(0.9)	(0.9)	(0.9)	(0.8)	(0.7)	(8.0)	(0.8)	(0.7)	(8.0)	(1.1)	(1.2)	(1.0)

Note: This table is an update of Table 1 of Han et al. 2020. We now multiply impute income within brackets for all months using five draws, while Han et al. used a single draw. Starting in February 2021 we also draw within bracket values from the 2020 ASEC instead of the 2019 ASEC and use 2020 Census poverty thresholds. See the paper for additional methods. The sample includes individuals who are included in the householders' families and who are in their 1st or 5th month in the survey. Individuals with imputed income are excluded from the sample. The statistics are weighted using fixed demographic weights since March 2020. Standard errors, reported in parentheses, are clustered at the household level.