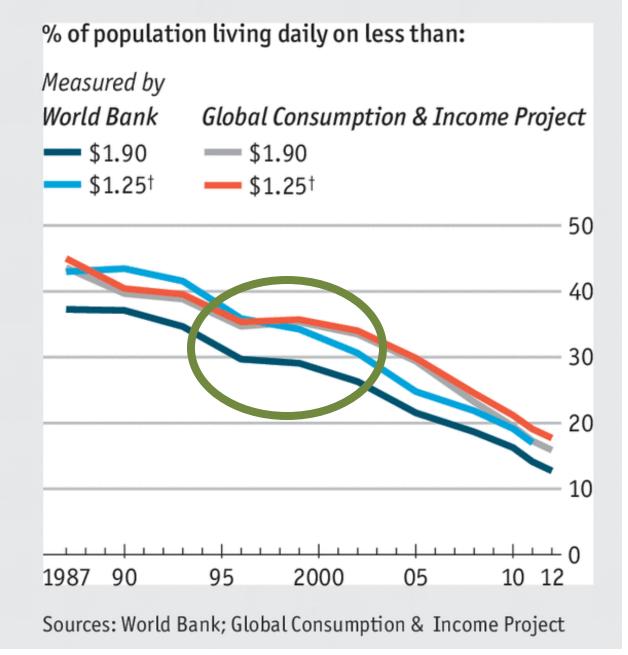
U.S. Financial Diaries

The Financial Lives of Low-Income Households Jonathan Morduch (NYU)

Glasgow Centre for Population Health June 30, 2016



The Economist. October 2015. "Poor statistics. The tricky work of measuring falling global poverty. The number of poor people is declining, but the data are fuzzy" http://www.economist.com/news/finance-economics/21673530-number-poor-people-declining-data-are-fuzzy-tricky-work-measuring-falling

How do you live on \$1.90 a day?

\$2...



Can't even buy a small coffee

Cape Town, South Africa

Rural Bangladesh

Delhi, India

IIII

TRADERS

PORTFOLIOS OF THE POOR

How the World's Poor Live on \$2 a Day

DARYL COLLINS IONATHAN MORDUCH STUART RUTHERFORD ORLANDA RUTHVEN



How the World's Poor Live on \$2 a Day

By Daryl Collins, Jonathan Morduch, Stuart Rutherford and Orlanda Ruthven

If you earn \$2 a day, it's easy to assume...

You live hand-to-mouth

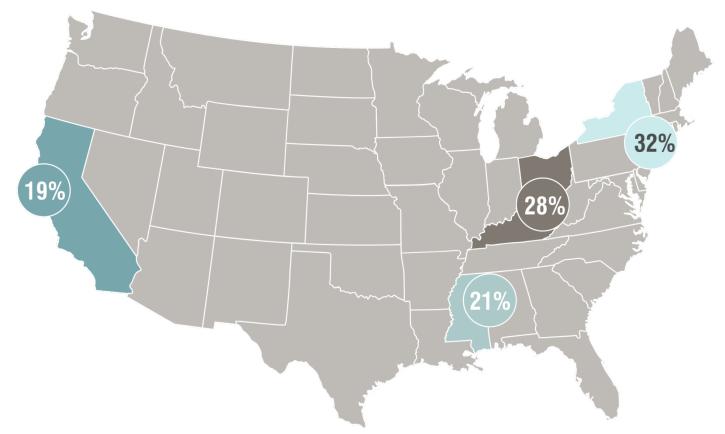
You can't plan for the future

You can't save

You can't have much of a financial life



U.S. Financial Diaries



CALIFORNIA

San Jose & environs Urban & rural 46 hh; 78 adults

EASTERN MISSISSIPPI Rural 50 hh; 87 adults

OHIO/KENTUCKY Cincinnati & environs Small town & rural 69 hh; 130 adults

NEW YORK CITY Brooklyn & Queens Urban 79 hh; 158 adults PRELIMINARY DATA - DO NOT

U.S. Financial Diaries

US Financial Diaries

Principal Investigators

- Jonathan Morduch, Professor of Public Policy and Economics, New York University
- Rachel Schneider, Senior Vice President, Insights and Analytics, Center for Financial Services innovation

The US financial diaries were created jointly by the NYU Financial Access Initiative, the Center for Financial Services Innovation, and Bankable Frontier Associates.











Leadership support for the project is provided by the Ford Foundation and the Citi Foundation, with additional support and guidance from the Omidyar Network.

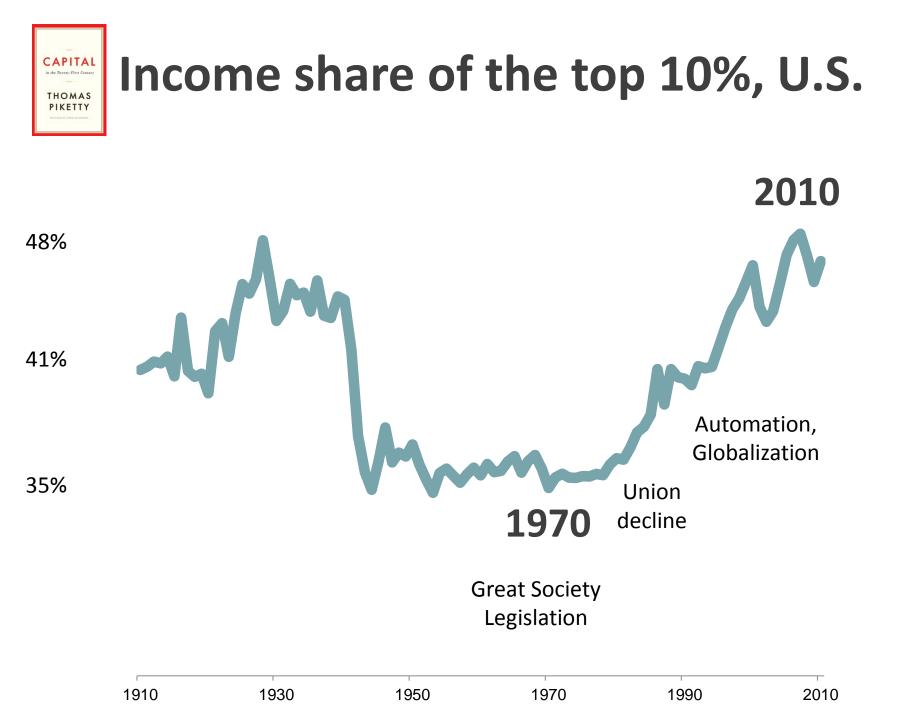


FORDFOUNDATION Citi Foundation

Working with Visionaries on the Frontlines of Social Change Worldwide

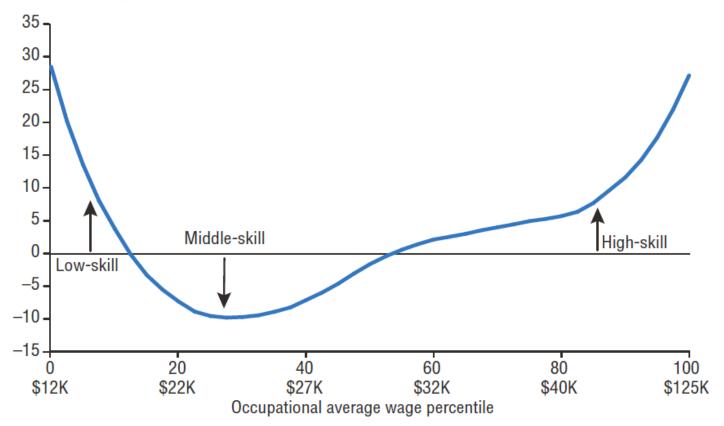






Middle-skill jobs shrinking

Percentage change in employment share, 1980-2005



NOTE: Dollar amounts are annual income in 2004 dollars.

Chart 1 in Anton Cheremukhin. "Middle-Skill Jobs Lost in U.S. Labor Market Polarization." Dallas Fed, *Economic Letter* 9 (5), May 2014. SOURCE: Adapted with permission from "The Growth of Low-Skill Service Jobs and the Polarization of the U.S. Labor Market," by David H. Autor and David Dorn, *American Economic Review, vol. 103, no. 5, 2013, pp. 1553–97.*

Problem: We have annual data mostly



Life is lived day to day, month to month





US Financial Diaries

High-frequency data

Households surveyed every 2-4 weeks







INCOME

ASSETS

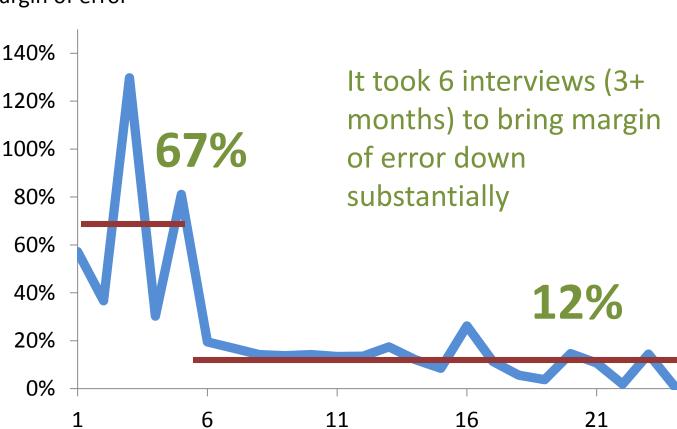
CASH FLOW

244 Households 316,763 cash flows

100 spending categories38 income types69 financial instruments

Margin of error

US Financial Diaries



Interview Number

26

Missing outflows + inflows divided by total outflows

Margin of error

Volatility

E. Mississippi



Macon and Columbus, August 2013, Photo: Whitten Sabbatini

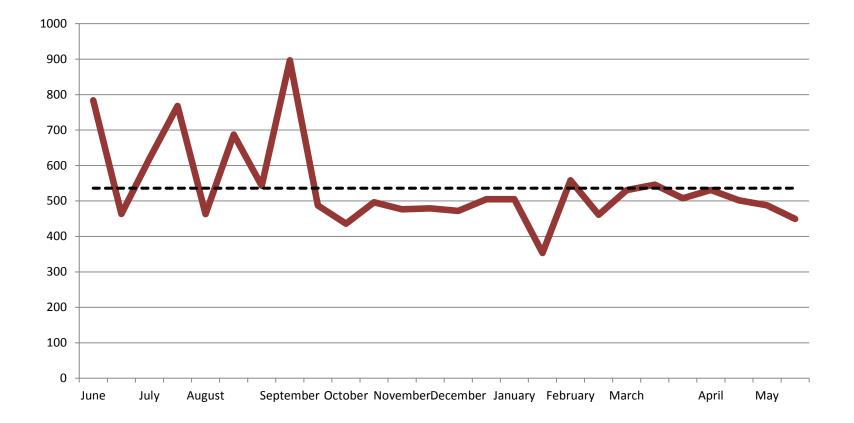


Macon and Columbus, August 2013, Photo: Whitten Sabbatini



Macon and Columbus, August 2013, Photo: Whitten Sabbatini

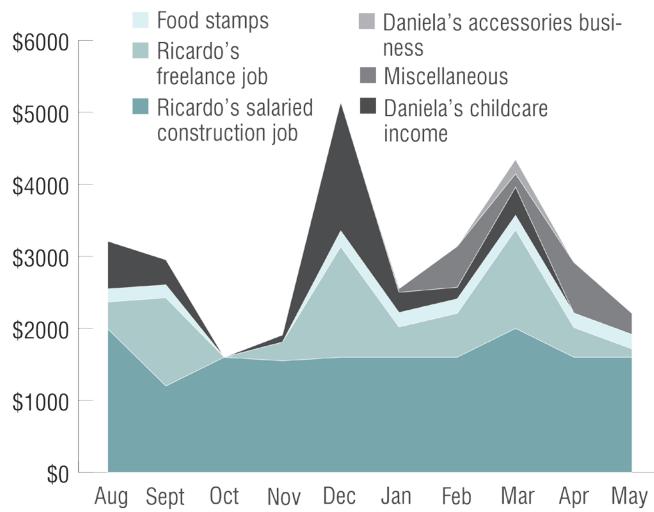
Janice's bi-weekly paychecks



After taxes, Janice and her son Marcus had income over \$22,000, about 20 percent over the poverty line in rural Mississippi

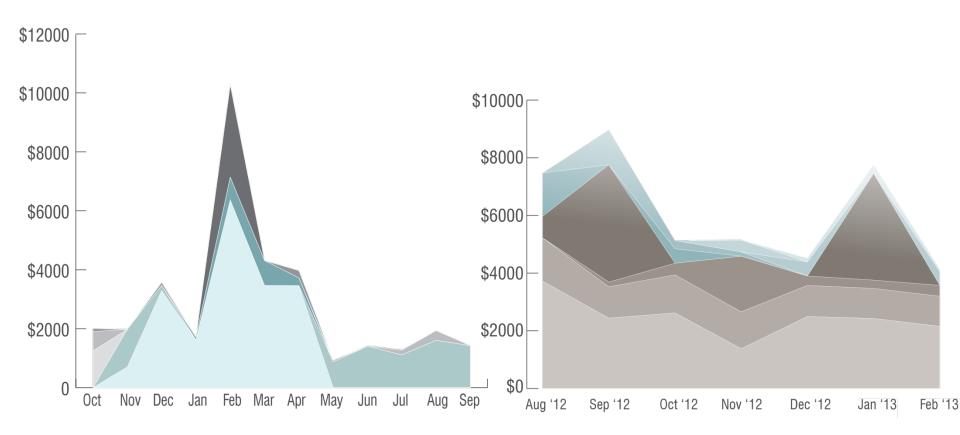
Poor 5 months

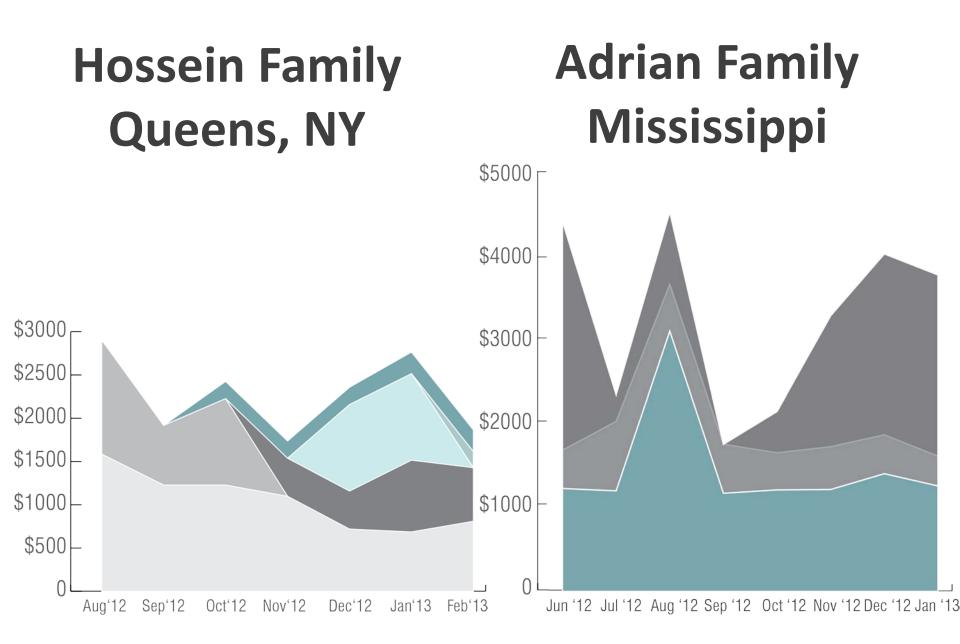
Garza Family Income, N. California



Sandra Young Brooklyn, NY

Johnson Family Cincinnati





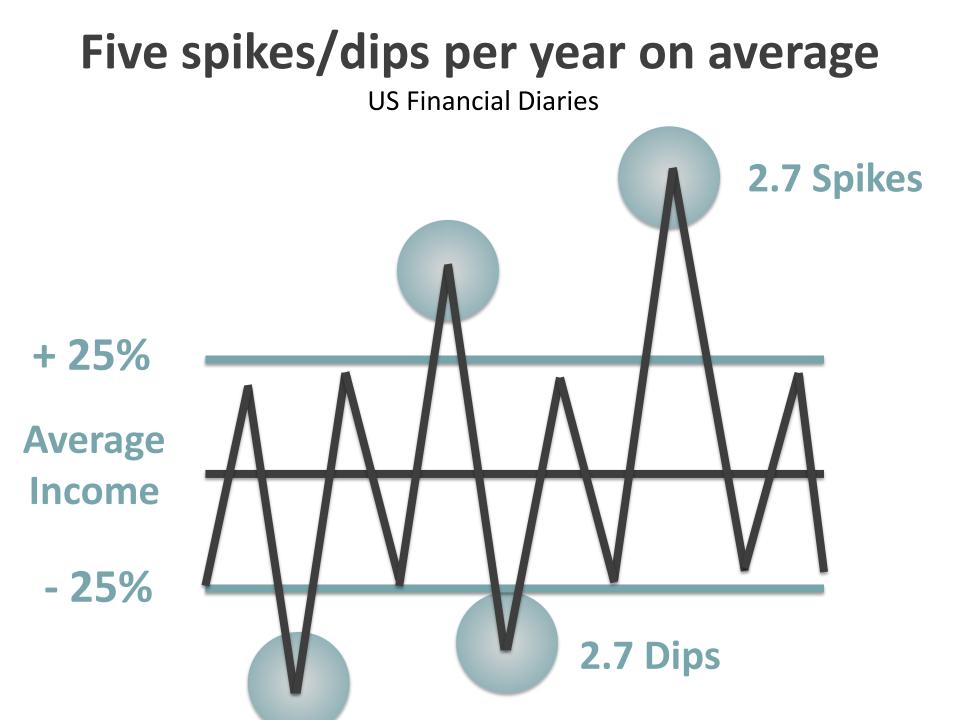




Spikes and Dips

Few families have steady income



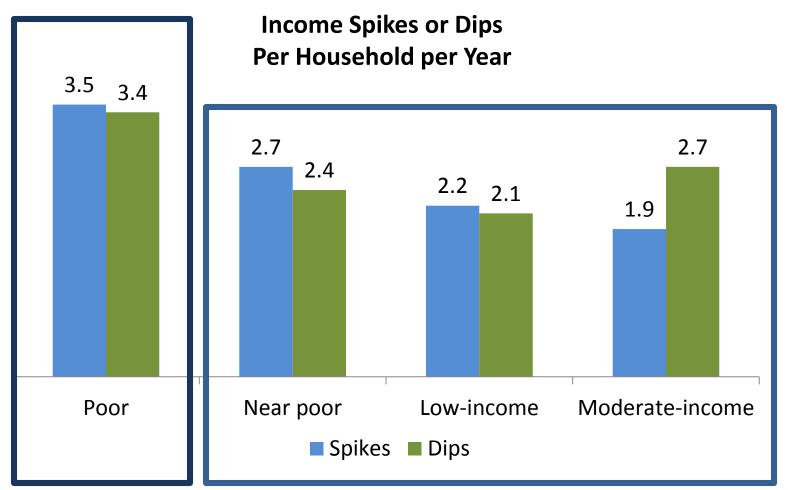


Typical causes

- Work hours rising and falling
- Lumpy payments (tax refunds, etc.)
- Health problems and emergencies
- Predictable childcare and transportation needs (with uncertain timing and size)
- Shifting household membership

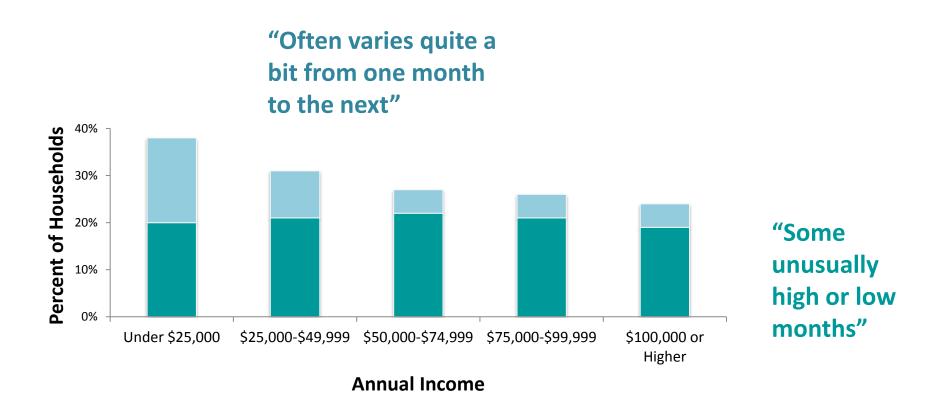
Spikes and dips

US Financial Diaries



Self-reported month to month income variability

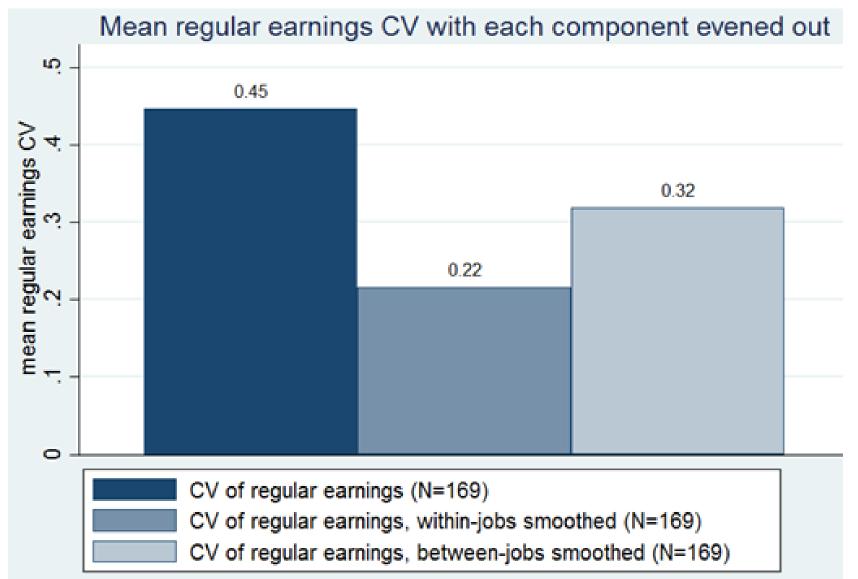
SHED - Federal Reserve, 2013 Survey of Household Economics and Decisionmaking (7/14)



SHED: Implemented in 9/2013. Nationally-representative sample. Online panel of 50,000 individuals sampled randomly. 6,912 asked to take the survey. About 60% (4,134) agreed. Quick survey (19 minutes median time)

Most of the volatility is within job

US Financial Diaries



excludes households with any \$0 income months or with tax-smoothed income CV >1

Economic Inequalities

Income Wealth Steady, reliable, predictable finances

Q: Which of the following is more important to you?

A. Financial StabilityB. Moving up the income ladder



Poverty



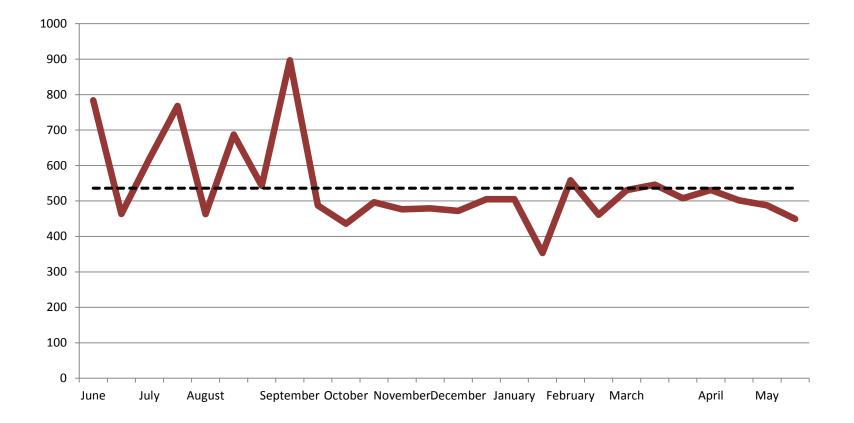


Charles Booth, Poverty Map of London, late 19th c

Casual earnings: "very poor" (below 18s. per week for a moderate family). The labourers do not get as much as three days work a week, but it is doubtful if many could or would
Dark work full time for long together if they had the opportunity.
Blue Class B is not one in which men are born and live and die so much as a deposit of those who from mental, moral and physical reasons are incapable of better work.

Light Blue Intermittent earnings. 18s to 21s per week for a moderate family. The victims of competition and on them falls with particular severity the weight of recurrent depressions of trade. Labourers, poorer artisans and street sellers. This irregularity of employment may show itself in the week or in the year: stevedores and waterside porters may secure only one of two days' work in a week, whereas labourers in the building trades may get only eight or nine months in a year.

Janice's bi-weekly paychecks

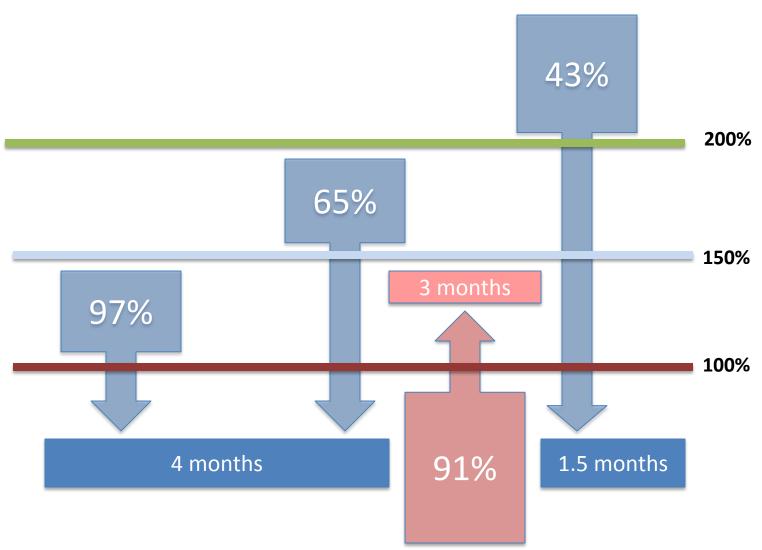


After taxes, Janice and her son Marcus had income over \$22,000, about 20 percent over the poverty line in rural Mississippi

Poor 5 months

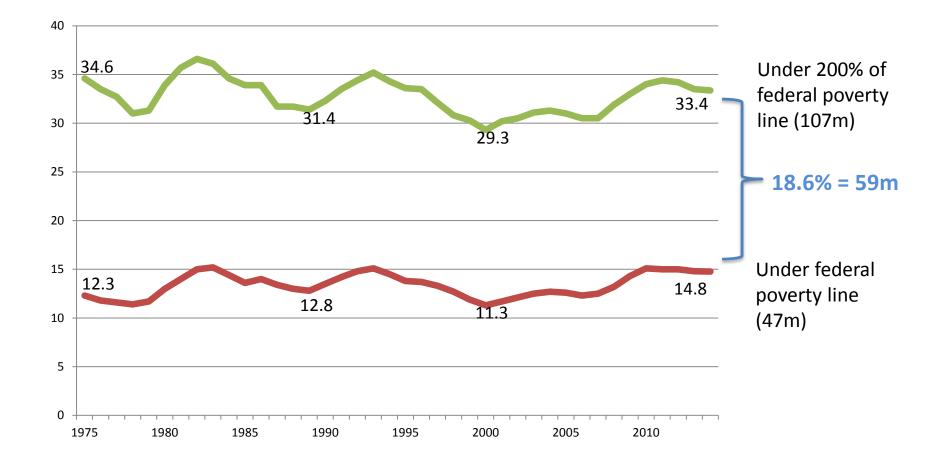
Sometimes poor

% of USFD households with annual income above the (supplemental) poverty line that spent 1+ month with income under the poverty line



Near poor

Percent below federal poverty line and < 200% of the poverty line, 1975-2014



Source: U.S. Bureau of the Census, Current Population Survey, Annual Social and Economic Supplements. https://www.census.gov/hhes/www/poverty/data/historical/people.html

Chronic and Episodic poverty, 2009-11

Figure 3.

Ashley Edwards. "Dynamics of Economic Well-Being: Poverty, 2009–2011" US Census Bureau. January 2014

Chronic and Episodic Poverty by Selected Characteristics: 2009 to 2011 O O Not statistically different from the total population Chronic Povertv Episodic Poverty Percent 3% 29% White White, non-Hispanic 9% 45% Black Hispanic Non-Hispanic Under 18 years 18 to 64 years 65 years and over Married-couple families Female - householder families Male-householder families Unrelated individuals 0 10 20 30 40 50 60 90 million 10 million All people, chronic All people, episodic

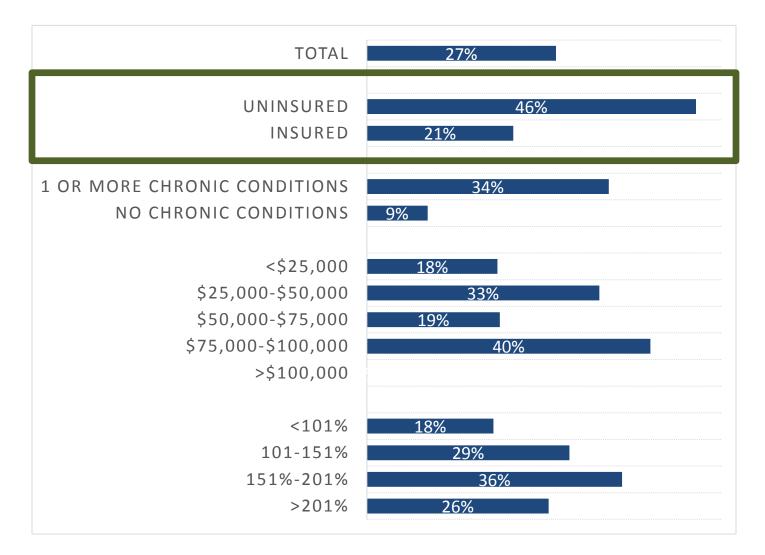
Note: Federal surveys, including the SIPP 2008 Panel, give respondents the option of reporting more than one race. These data can be shown in two ways: (1) as mutually exclusive from other race groups, which may be denoted by "alone" or (2) not mutually exclusive with other race groups, denoted by "alone or in combination with other race groups." This figure shows race using the first method. Because Hispanics may be of any race, data for Hispanics are not mutually exclusive with race. Female householders refer to female householders, no husband present; male householders refer to male householders, no wife present.

Source: U.S. Census Bureau, Survey of Income and Program Participation, 2008 Panel. For information on confidentiality protection and sampling and nonsampling error, see <<www.census.gov/sipp/source.html.

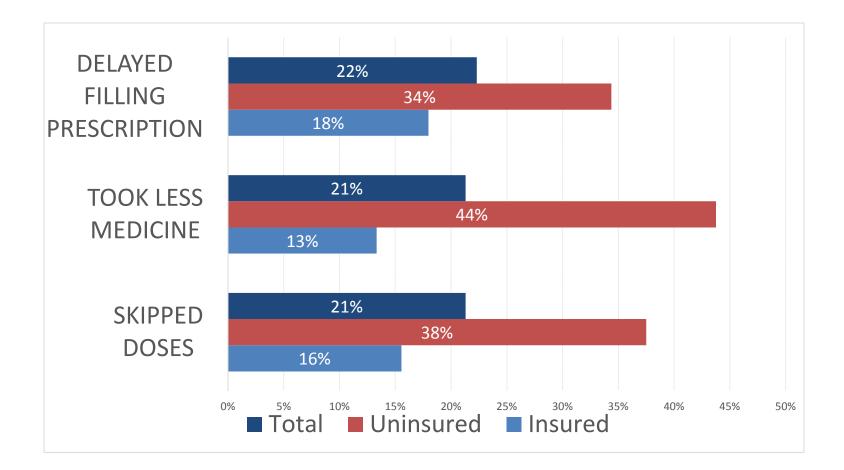
Health and finance

Medication non-compliance

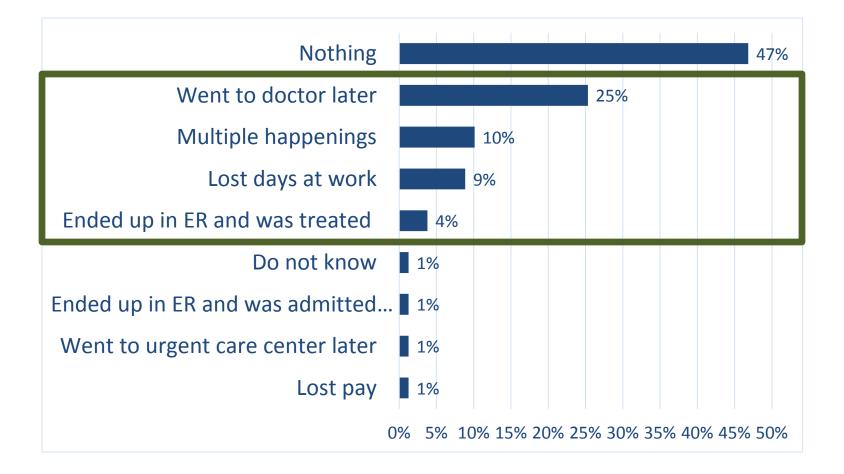
Household heads self-reports, to save money



Noncompliance



Results of delaying or not getting care



Saving

NOW Scater

Overspending now



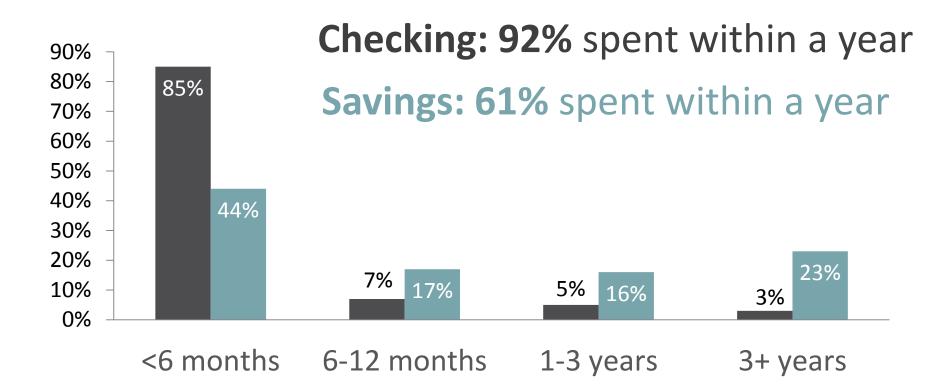
Saving for Later







Most savings are spent soon



Checking accounts (87% of households have)

Savings accounts (65% of households have)

Structure Flexibility

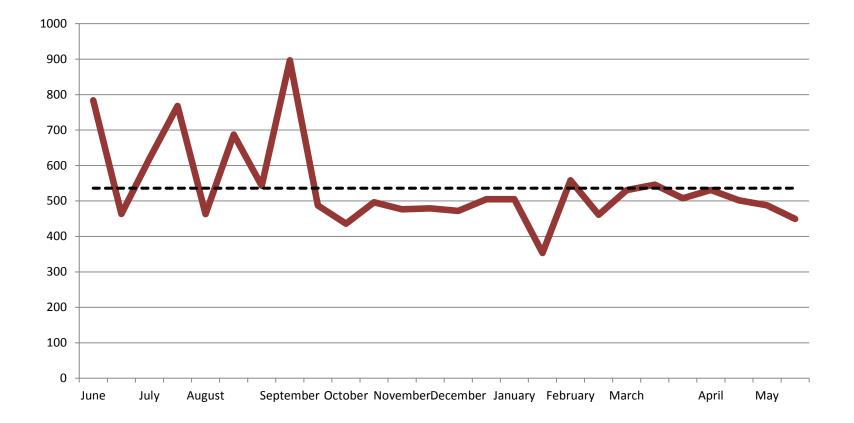








Janice's bi-weekly paychecks



After taxes, Janice and her son Marcus had income over \$22,000, about 20 percent over the poverty line in rural Mississippi

Poor 5 months





U.S. Financial Diaries

Conclusion

Inequality and money

- Started with poverty and income (1960s)
- Then focus on **assets** (1990s)
- Needed: cash flows & financial management

- Intra-year volatility deserves more attention.
- Continuing question: Do short-term problems translate into long-term problems?

Final thoughts

- Volatility is a big part of today's financial lives.
- Low saving balances ≠ reckless spending
- Families have strategies. Financial institutions can help them do better.
- Agenda: Good jobs / good finance