

Financial Shocks and Financial Well-Being: Which Factors Help Build Financial Resiliency in Lower-Income Households?

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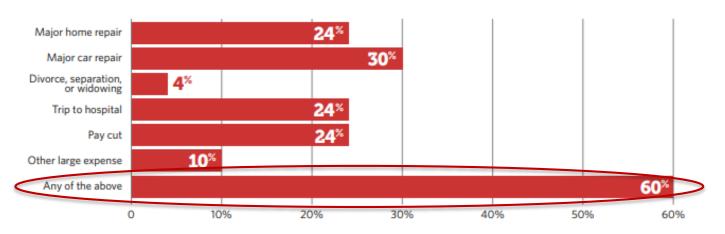
Background



Background: Financial Shocks and Financial Well-Being

Shocks are common in U.S. Households

A Majority of American Households Experienced a Financial Shock Percentage of respondents reporting a shock in the past 12 months, by type





Background: Financial Shocks and Financial Well-Being



Skipped Medical Payments



Medical Care



Food Insecurity



Background: Financial Shocks and Financial Well-Being



Housing Stability



Child Development



Health



Background: Liquidity as a Buffer against Financial Shocks

- Previous research has shown that access to liquidity can mitigate the effects of financial shocks.^{1, 2}
- There is relatively little research on the impacts of financial shocks on an individual's subjective sense of financial well-being.³





Research Questions

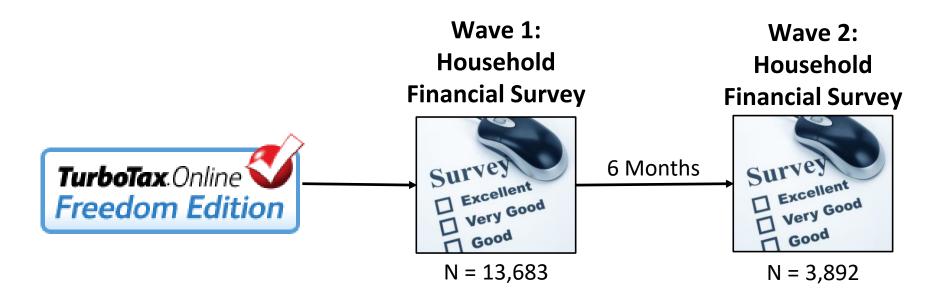
- 1. Which types of financial shocks have the greatest impacts on the self-assessed financial well-being of LMI households?
- 2. To what extent do household income, social networks, and liquid savings mitigate the negative effects of financial shocks on the financial well-being of LMI households?



Data and Sample



Data Collection Flow





Characteristic	Mean			
Financial well-being score (1st Wave)	55.3			
Age (years)	32.1			
Male (%)	50.1			
Race/Ethnicity				
White (%)	72.3			
Black (%)	3.9			
Hispanic (%)	8.0			
Asian (%)	10.4			
Other (%)	5.4			
Insured (%)	93.0			
Married/lives with partner (%)	23.0			
Any children in household (%)	16.2			
Student (%)	37.7			
Has a Bachelor's degree (%)	56.7			
N	1,580			



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Methods

- Restrict sample to 1,580 people who completed both surveys and reported not experiencing a shock in the first survey.
- Difference-in-difference models estimate change in financial well-being for people who experience a shock (in second wave), relative to the change for people who never experience a shock.
- 3 Types of Shocks:
 - Income shocks reduction in income (e.g., lost job)
 - Expense shocks major vehicle or home repair
 - Medical shocks —out of pocket medical expense

Methods, continued...

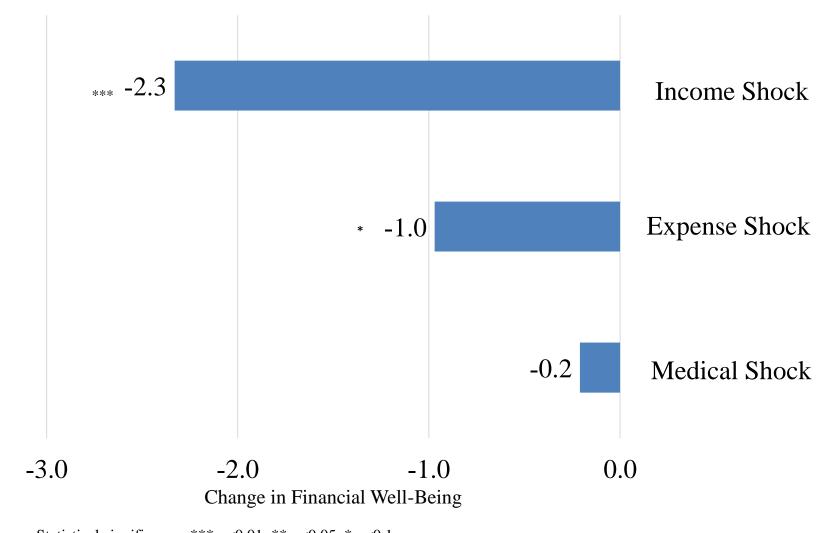
- After estimating the average impacts, we conduct subsample analyses.
- We compare the impacts of these shocks by the respondents'
 - Self-reported gross income
 - Ability to rely on social networks
 - Level of liquid assets



Results

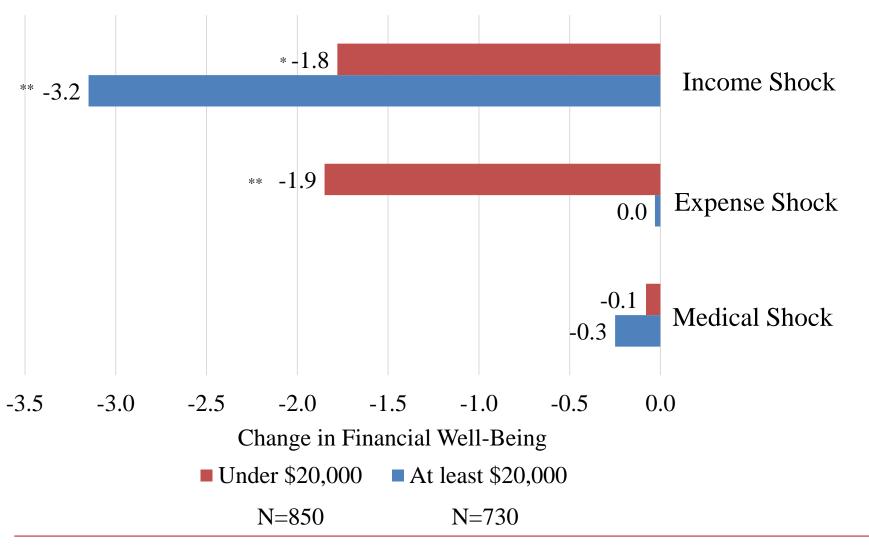


Overall Impact of Financial Shocks on Financial Well-Being in LMI Households



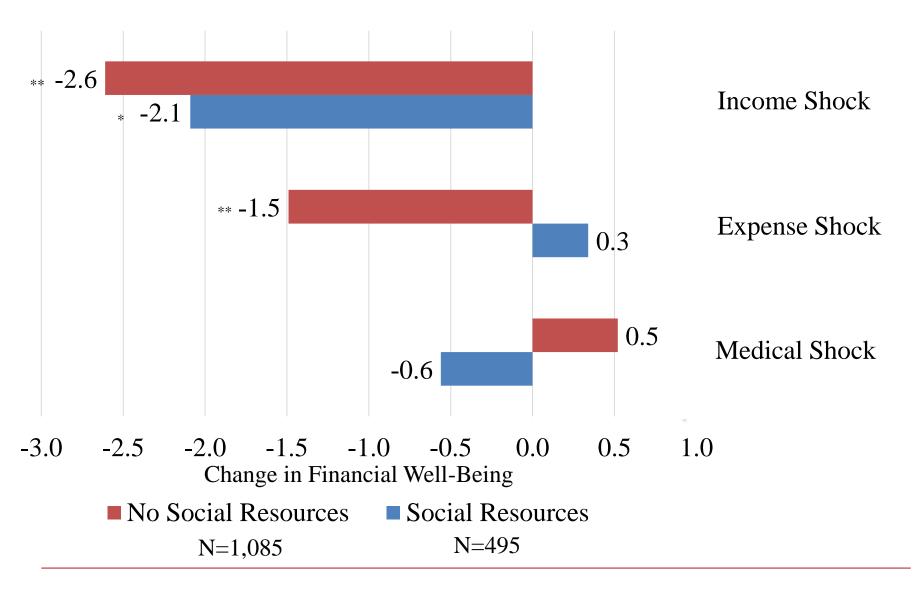


Impact of Financial Shocks on Financial Well-Being in LMI Households, by **Gross Income**



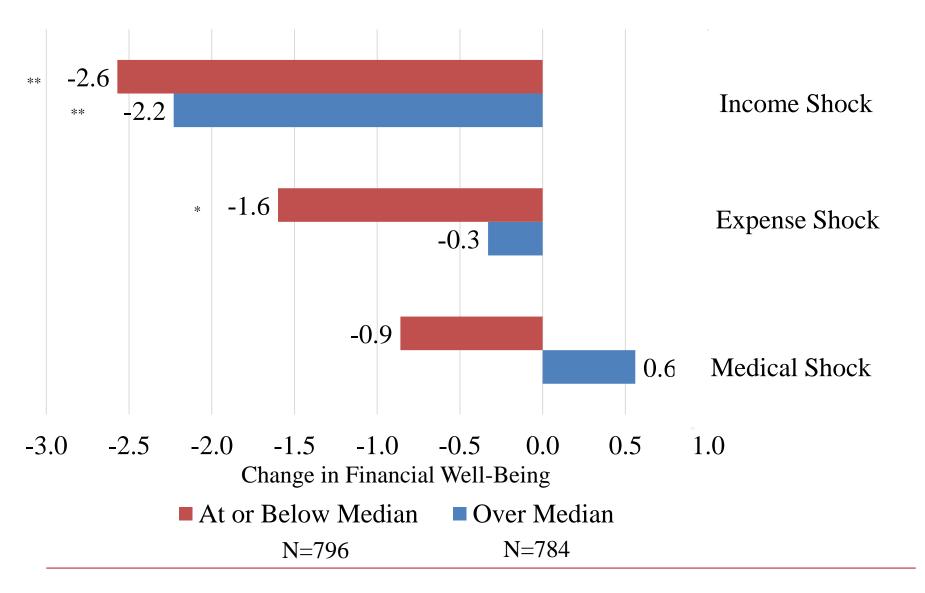


Impact of Financial Shocks on Financial Well-Being in LMI Households, by <u>Social Networks</u>





Impact of Financial Shocks on Financial Well-Being in LMI Households, by Liquid Assets





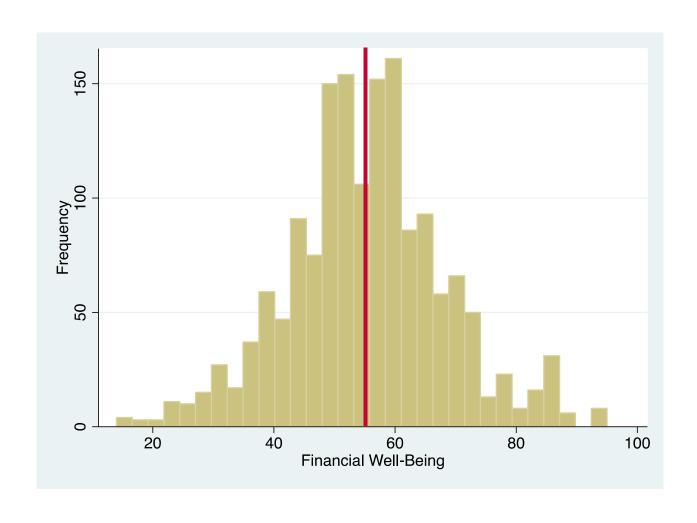
Conclusion and Discussion

Discussion: Findings

- Income shocks had the largest impacts on financial well-being.
- Impacts of medical shocks were statistically insignificant.
- Directional evidence suggests that the impacts of these shocks may depend on the household's initial financial circumstances.
- Overall impacts on financial well-being were small.

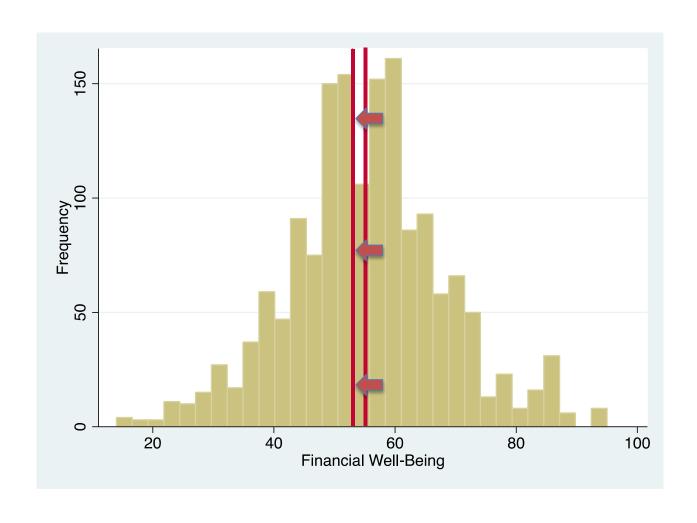


Discussion: Impacts were somewhat small





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Discussion: Limitations

 Surveys only track respondents at two points in time.

Our sample is not nationally representative.

 Other time-variant factors that impact financial well-being could bias these findings.



Discussion: Implications for Policy and Practice

- Promote preventative steps that may reduce the incidence of financial shocks.
- Different sources of liquidity may help offset different types of financial shocks.
- Increases in income may also reduce impacts of these shocks.
 - Help LMI workers with job training.
 - Help navigating new employment opportunities (e.g., gig economy).



Thank You!

Questions?

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Appendix



Sample Information

	Income shock		Expens	se shock	Medical shock				
	Comparison	Treatment	Comparison Treatment		Comparison	Treatment			
Wave 1		Did not experience any financial shock							
Wave 2	Did not experience an income shock Experienced an income shock		Did not experience an expense shock	Experienced an expense shock	Did not experience a medical shock	Experienced a medical shock			
Number of observations	1,419	161	1,282	298	1,445	135			
Experienced another shock (%)	23.0	37.9	14.7	26.5	24.4	47.4			

Sample



Survey Questions: Financial Well-Being

- How well does this statement describe your situation? (Completely, Very well, Somewhat, Very little, Not at all)
 - I could handle a major unexpected expense
 - I am securing my financial future
 - Because of my money situation, I feel like I will never have things I want in life
 - I can enjoy life because of the way I'm managing my money
 - I am just getting by financially
 - I am concerned that the money I have or will save won't last
- How often does this statement apply to you? (Always, Often, Sometimes, Rarely, Never)
 - Giving a gift for a wedding, birthday, or other occasion would put a strain on my finances for the month
 - I have money left over at the end of the month
 - I am behind with my finances
 - My finances control my life



Survey Questions: Income Shocks

- In the past 6 months, have you been laid off, terminated, or had your hours reduced by a current or former employer?
- In the last 6 months, have you or has someone in your tax household:
 - Lost a job unexpectedly?
 - Had an unexpected reduction in income?



Survey Questions: Expense Shocks

- In the last 6 months, have you or has someone in your tax household:
 - Had an unexpected major house or appliance repair?
 - Made an unexpected major repair to a vehicle you own?



Survey Questions: Medical Shocks

- In the last 6 months, have you or has someone in your tax household:
 - Had unexpected major out-of-pocket medical expense?
- In the last 6 months, have you or anybody in your tax household experienced a major medical event (e.g., the diagnosis of an illness, disease, allergic reaction, or injury) needing immediate professional treatment?



Survey Questions: All Shocks

- In the past 6 months, have you been laid off, terminated, or had your hours reduced by a current or former employer?
- In the last 6 months, have you or has someone in your tax household:
 - Lost a job unexpectedly?
 - Had an unexpected reduction in income?
 - Had an unexpected major house or appliance repair?
 - Made an unexpected major repair to a vehicle you own?
 - Had unexpected major out-of-pocket medical expense?
- In the last 6 months, have you or anybody in your tax household experienced a major medical event (e.g., the diagnosis of an illness, disease, allergic reaction, or injury) needing immediate professional treatment?



Characteristic	Income Shock Weights	Expense Shock Weights	Medical Shock Weights	Unweighted	
Financial well-being score (1st Wave)	52.7	54.7	53.7	55.3	
Age (years)	32.5	32.4	32.3	32.1	
Male (%)	52.9	50.6	49.4	50.1	
Race/Ethnicity					
White (%)	72.6	72.7	71.9	72.3	
Black (%)	4.4	4	3.9	3.9	
Hispanic (%)	9	8.2	9.3	8.0	
Asian (%)	9.2	9.8	8.5	10.4	
Other (%)	4.8	5.4	6.4	5.4	
Married/lives with partner (%)	23.1	23.4	23.7	23.0	
Any children in household (%)	15.3	16.1	15.8	16.2	
Student (%)	36.3	37.5	39.8	37.7	
Has a Bachelor's degree (%)	56.9	55.7	55.3	56.7	
Employment status					
Full-time (%)	45.5	44.6	44.5	45.2	
Part-time (%)	33.4	33.9	33.4	34.1	
Unemployed (%)	21.1	21.4	22.1	20.7	
Self-rated health is above average (%)	44.8	44.9	46	44.9	
Gross income is over \$20,000 (%)	47.1	46.3	44.2	46.2	
Ability to rely on social networks (%)	31.1	30.5	30.9	31.3	
Liquid assets (\$)	7,276	7,535	7,643	7,902	
Ownership of a credit card (%)	66.7	68.5	67.6	67.4	
Observations	1,580	1,580	1,580	1,580	
Proportion of HHs in the treatment group (%)	10.2	18.9	8.5	30.1	



Balance on Observable Characteristics After Weighting

	No Income	Income		No Expense	Expense		No Medical	Medical	
Characteristic	Shock	Shock	Sign	Shock	Shock	Sign	Shock	Shock	Sign
Financial Well-Being	55.8	49.6	***	55.8	53.6	***	55.6	51.7	***
Age	32.1	32.9		32.1	32.7		32.1	32.5	
Male (%)	50.1	55.7	**	50.3	50.8		49.9	48.8	
Race									
White (%)	72.2	73.0		72.5	72.8		72.4	71.4	
Black (%)	3.6	5.2		3.8	4.0		3.8	4.0	
Hispanic (%)	7.9	10.1		7.6	8.8		7.8	11.0	**
Asian (%)	10.9	7.6	**	10.8	8.8		10.9	6.0	***
Other (%)	5.5	4.0		5.3	5.5		5.2	7.7	**
Married, lives with partner									
(%)	22.8	23.3		22.9	24.0		23.1	24.4	
Any children (%)	16.1	14.6		16.4	15.8		16.3	15.1	
Student (%)	37.7	35.0		37.8	37.2		37.7	42.1	*
College (%)	56.7	57.0		56.8	54.6		56.9	53.5	
Employment									
Full-Time (%)	45.1	45.8		45.1	44.2		45.2	43.7	
Part-Time (%)	34.0	32.9		34.3	33.5		34.2	32.6	
Not-Employed (%)	20.9	21.3		20.6	22.3		20.6	23.7	
Above Average Health (%)	44.8	44.8		44.8	45.1		44.7	47.3	
Gross income at least \$20,000									
(%)	46.3	47.9		45.9	46.7		46.4	41.9	*
Any help from social									
networks (%)	31.4	30.8		31.4	29.6		31.4	30.4	
Owns Credit Card (%)	67.3	66.1		66.4	70.6	*	67.0	68.1	
N	1,419	161		1,282	298		1,445	135	