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# Why Did Young Families Lose So Much Wealth During the Crisis? The Role of Homeownership

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- As a group, young families were unusually highly concentrated in housing with high balance-sheet leverage before the crisis.
- Large house-price declines therefore hit young families' balance sheets especially hard.
  - Large decline in value of largest asset.
  - Multiplicative effect on net worth through leverage.
- Large negative wealth impact of homeownership was common across young families of all races, ethnicities, and education levels.













#### Young Families Lost Much Larger Share of Wealth, Primarily Due to Housing

	Young (< 40)	Middle-aged (40-61)	Old (62+)
Average change in net worth, 2007-10 (inflation-adjusted)	-\$68,071	-\$121,847	-\$92,748
Average percent change in net worth, 2007-10 (infl. adj.)	-43.9%	-17.4%	-10.3%
Average 2007-10 change in residential real estate as fraction of total 2007-10 net-worth change	74.9%	53.2%	39.6%



# African-Americans and Hispanics Lost More Wealth Overall, But Youth Dominates





# **Regression #1: Young Families' <u>Home-</u>** <u>ownership Rate</u> Abnormally High in 2007

	Logistic Regression: Dependent Variable = Have Residential Real Estate Assets	Demographic	Idiosyncratic	Both
		(1)	(2)	(3)
	Intercept	1.547***	0.831***	1.563***
Education	Less-than-high school dummy (High school or GED omitted)	-0.622***		-0.608***
Education	College grad dummy (High school or GED omitted)	0.831***		0.655***
Age	Age under 40 dummy (aged 40-61 omitted)	-1.677***		-1.776***
Age	Age 62 or older dummy (aged 40-61 omitted)	0.398***		0.317***
Race/	Member of historically disadvantaged minority dummy (white or non-disadvant.			
ethnicity	minority omitted)	-1.056***		-1.095***
Idiosync	Married deviation		0.740***	0.805***
Idiosync	Number of kids deviation (Normalized)		0.174***	0.193***
Idiosync	Square root of income deviation (Normalized)		0.837***	0.814***
Idiosync	Saved within the last year dummy deviation		0.331***	0.354***
Year	1995 Dummy (1992 omitted)	0.073	0.853***	0.091
Year	1998 Dummy (1992 omitted)	-0.135*	0.645***	-0.123
Year	2001 Dummy (1992 omitted)	-0.136*	0.661***	-0.075
Year	2004 Dummy (1992 omitted)	-0.064	0.721***	0.006
Year	2007 Dummy (1992 omitted)	-0.059	0.747***	-0.035
Young/yr	1995 Interacted with Young (1992 omitted)	0.054	-1.746***	0.117
Young/yr	1998 Interacted with Young (1992 omitted)	0.079	-1.795***	0.119
Young/yr	2001 Interacted with Young (1992 omitted)	0.136	-1.780***	0.122
Young/yr	2004 Interacted with Young (1992 omitted)	0.117	-1.771***	0.129
Young/yr	2007 Interacted with Young (1992 omitted)	0.263**	-1.640***	0.334**
	Number of observations	25889	25885	25885
	Unweighted Regressions using RII techniques. *, **, and *** signify significance at .1, .	05, and .01 levels	s, respectively.	The deviation
	variables are deviations from weighted mean within the smallest demographic subgro	up for age, race,	and education le	evel.



# **Regression #2: Young Families' <u>RRE</u>** <u>Concentration</u> Abnormally High in 2007

	Tobit Regression: Dependent Variable = Real Estate Portfolio Share	Demographic	Idiosyncratic	Both
		(1)	(2)	(3)
	Intercept	0.369***	0.286***	0.375***
Education	Less-than-high school dummy (High school or GED omitted)	-0.027***		-0.030***
Education	College grad dummy (High school or GED omitted)	-0.020***		-0.020***
Age	Age under 40 dummy (aged 40-61 omitted)	-0.191***		-0.195***
Age	Age 62 or older dummy (aged 40-61 omitted)	-0.006		0.002
Race/	Member of historically disadvantaged minority dummy (white or non-disadvant.			
ethnicity	minority omitted)	-0.125***		-0.129***
Idiosync	Married deviation		0.155***	0.153***
Idiosync	Number of kids deviation (Normalized)		0.036***	0.037***
Idiosync	Square root of income deviation (Normalized)		-0.011***	-0.012***
Idiosync	Saved within the last year dummy deviation		0.012**	0.010
Year	1995 Dummy (1992 omitted)	-0.003	0.054***	-0.007
Year	1998 Dummy (1992 omitted)	-0.030***	0.028**	-0.031***
Year	2001 Dummy (1992 omitted)	-0.036***	0.022*	-0.035***
Year	2004 Dummy (1992 omitted)	0.009	0.067***	0.012
Year	2007 Dummy (1992 omitted)	0.019*	0.076***	0.017
Young/yr	1995 Interacted with Young (1992 omitted)	0.021	-0.179***	0.024
Young/yr	1998 Interacted with Young (1992 omitted)	-0.017	-0.223***	-0.014
Young/yr	2001 Interacted with Young (1992 omitted)	0.005	-0.202***	0.006
Young/yr	2004 Interacted with Young (1992 omitted)	0.019	-0.192***	0.017
Young/yr	2007 Interacted with Young (1992 omitted)	0.041*	-0.167***	0.047**
	_Sigma	0.422***	0.413***	0.411***
	Observations	25889	25885	25885
		6729	6779	6729



# **Regression #3:** All Families' <u>Leverage</u> Abnormally High in 2004-07; Young the Highest

	Tobit Regression: Dependent Variable = Debt to Asset Ratio	Demographic	Idiosyncratic	Both
		(4)	(5)	(6)
	Intercept	0.142***	0.175***	0.173***
ducation	Less-than-high school dummy (High school or GED omitted)	-0.070***		-0.076***
ducation	College grad dummy (High school or GED omitted)	-0.053***		-0.033***
∖ge	Age under 40 dummy (aged 40-61 omitted)	0.368***		0.347***
\ge	Age 62 or older dummy (aged 40-61 omitted)	-0.428***		-0.405***
Race/	Member of historically disadvantaged minority dummy (white or non-			
ethnicity	disadvant. minority omitted)	0.100***		0.087***
diosync	Married deviation		-0.007	0.000
diosync	Number of kids deviation (Normalized)		0.028***	0.023***
diosync	Square root of income deviation (Normalized)		-0.026***	-0.020***
diosync	Saved within the last year dummy deviation		-0.164***	-0.167***
(ear	1995 Dummy	0.031	-0.120***	0.031
(ear	1998 Dummy	0.023	-0.114***	0.022
(ear	2001 Dummy	0.009	-0.131***	0.001
/ear	2004 Dummy	0.068***	-0.061***	0.069***
(ear	2007 Dummy	0.076***	-0.067***	0.075***
oung/yr	1995 Interacted with Young	-0.051	0.441***	-0.054
/oung/yr	1998 Interacted with Young	0.012	0.495***	0.013
/oung/yr	2001 Interacted with Young	-0.006	0.481***	-0.000
roung/yr	2004 Interacted with Young	-0.036	0.439***	-0.041
/oung/yr	2007 Interacted with Young	0.048	0.542***	0.047
	_Sigma	0.754***	0.759***	0.745***
	Observations	25115	25111	25111
	Censored	6371	6369	6369

from weighted mean within the smallest demographic subgroup for age, race, and education level.



## Implications for the Future

- Many young families compounded their inerent economic vulnerability with risky financial choices.
  - **Rapid increase in homeownership rates.**
  - > Highly concentrated in housing.
  - High balance-sheet leverage.
- The financial damage inflicted by the crisis on young families will take years to heal and will affect the entire housing market and the economy.
- Age-based housing and financial counseling may be appropriate.



#### Appendix: Pre-Crisis Wealth Disparities Were Re-inforced by Crisis Losses





#### Appendix: Ratio of African-American or Hispanic Wealth to Non-Minority Wealth

