



Savings Account Ownership During the Great Recession

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Introduction

This study analyzes how a household's economic circumstances, demographic characteristics, and certain attitudes or financial behaviors influence basic savings account ownership during the Great Recession.

Financial Vulnerability Not Solely a Lower-Income Household Issue

By the end of the Great Recession, financial vulnerability was particularly profound among:

- households with less education
- families with children
- households that experienced a loss of employment

63%

of households lost wealth

44%

of all U.S. households do not have enough liquid savings to cover at least 3 months worth of expenses

25%

of all middle-income households do not have at least 3 months worth of poverty-level income in liquid savings

Data

- 2007-2009 Survey of Consumer Finances Panel
- Sample size 3,857; 5 implicates (19,285)
- Nearly 90% re-interview response rate

Economic Model and Econometric Framework

From a consumer choice theoretical viewpoint, we define the net utility for consumer i of holding a basic savings deposit account in period t as

$$y_{it}^* = \beta'x_{it} + \varepsilon_{it} + u_i \quad (1)$$

where ε_{it} is assumed to be the unobserved effects that may vary from period to period and u_i is assumed to be the unobserved effects that are invariant from period to period, both assumed to be normally distributed and uncorrelated with the observed effects, x_{it} .

Bivariate Probit Model Dynamic Specification

- Considering the dynamic aspects of the model,

$$y_{i0}^* = \beta'x_{i0} + \varepsilon_{i0} + u_i \quad (2a) \quad y_{i1}^* = \beta'x_{i1} + \alpha'(\Delta x_i) + \varepsilon_{i1} + u_i \quad (2b)$$

- where $x_{i0, i1}$ are vectors of covariates in period 0 and 1, respectively, and Δx_i are changes in covariates.

- With two periods of observation, this random-effects specification defines a bivariate probit model in which the correlation across the two periods is

$$\rho = \sigma_u^2 / (1 + \sigma_u^2)$$

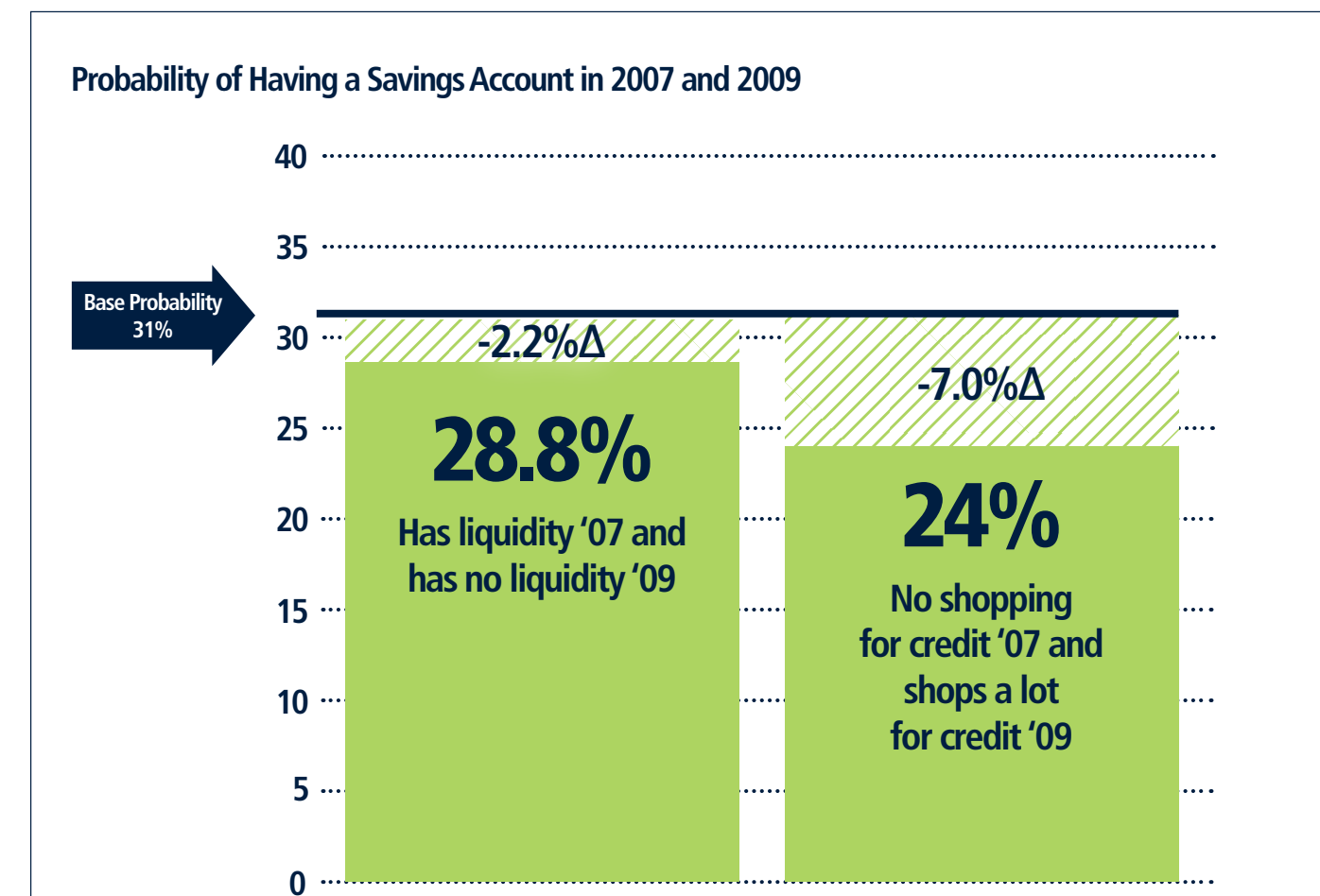
Empirical Model

Previous literature helps inform the model specification.

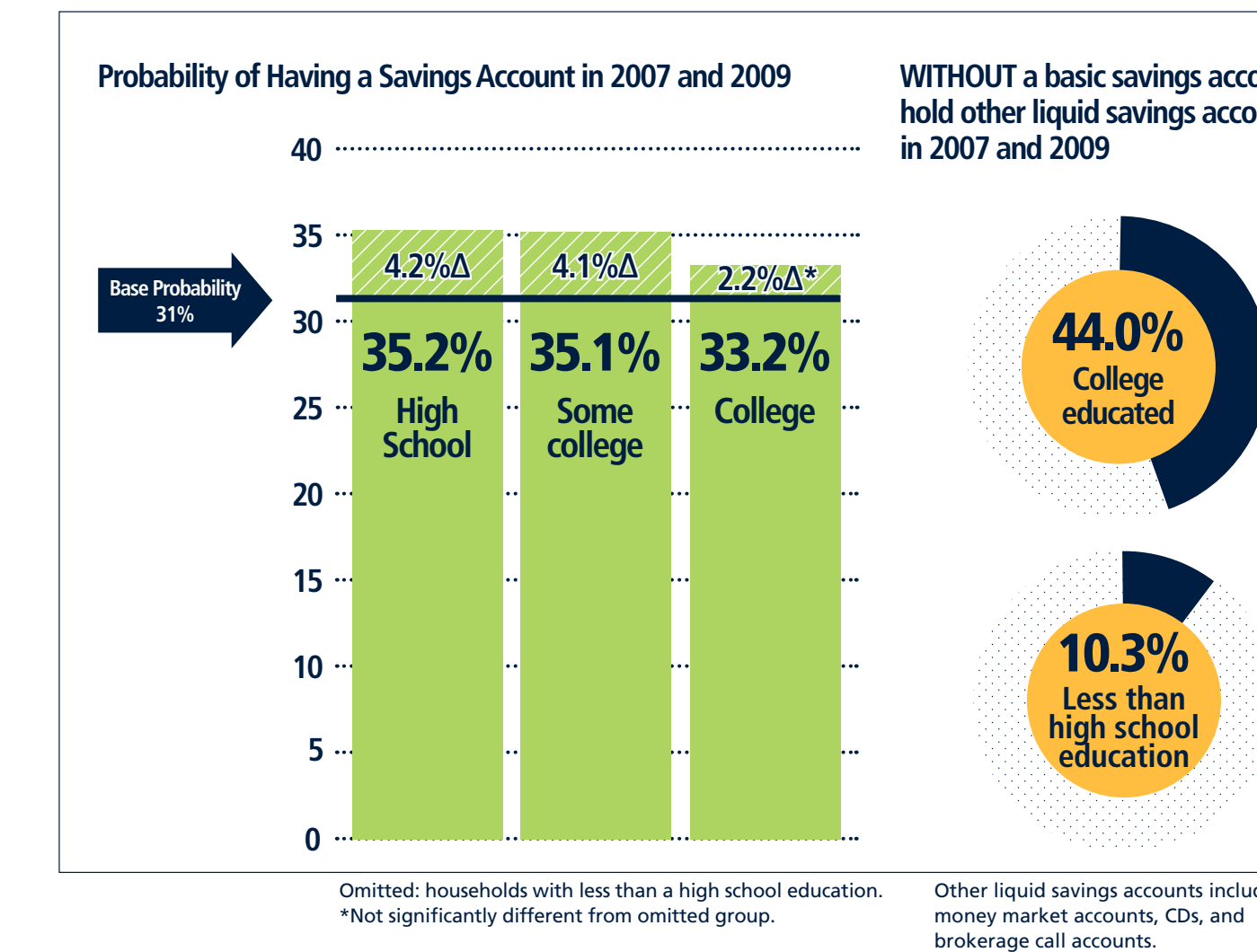
- Economic factors of influence include: family income, educational level, homeownership, employment, health insurance coverage
- Socio-demographic factors of influence include: age group, marital status, number of children, racial and ethnic group
- Change factors include a loss of job, drop in liquidity, becoming uncovered by health insurance, becoming unmarried, becoming a longer-term planner, and becoming an extensive credit shopper

Selected Findings

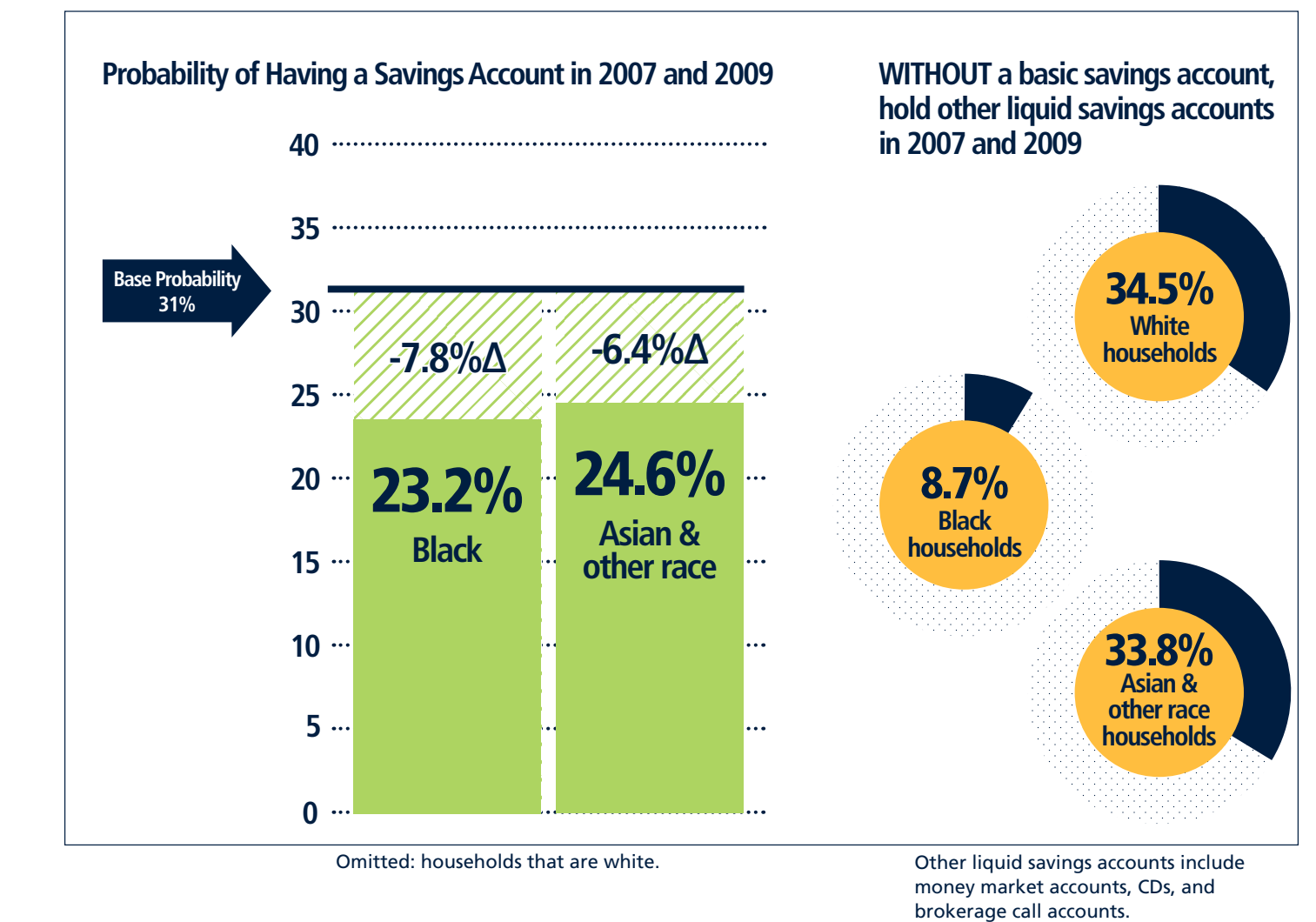
PARTIAL EFFECTS—Dynamic Factors: Liquidity and Credit Shopping Habit



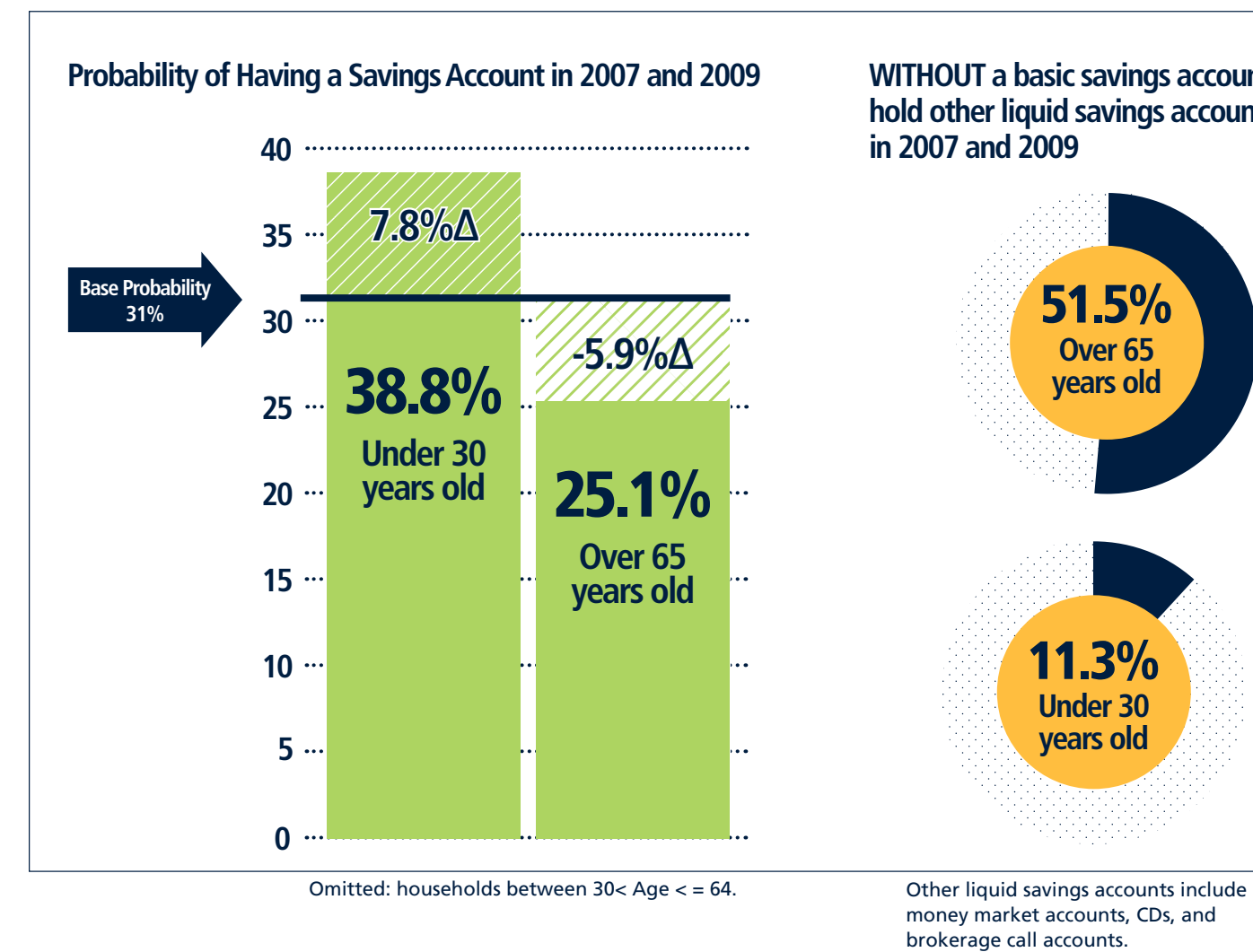
PARTIAL EFFECTS—Education



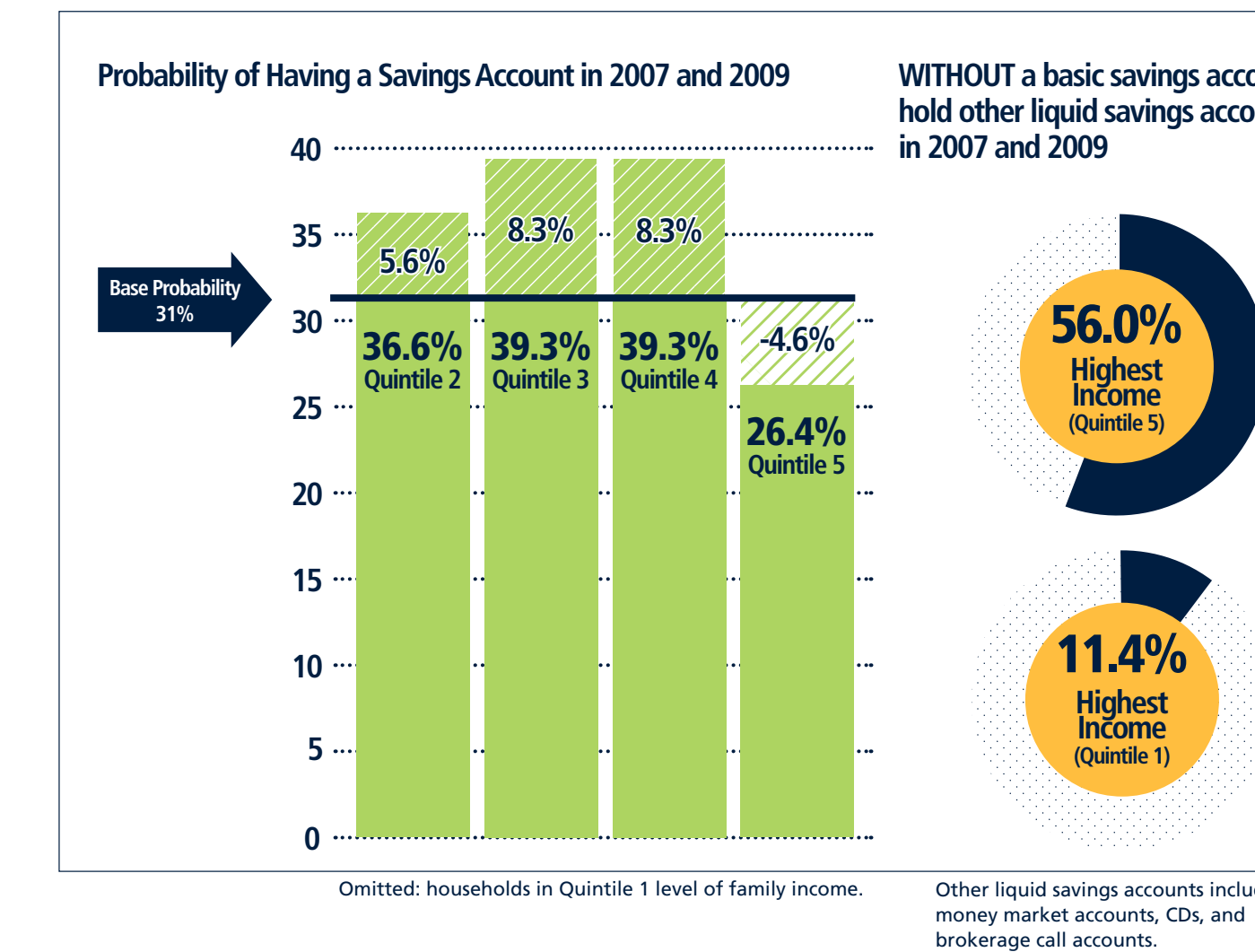
PARTIAL EFFECTS—Race



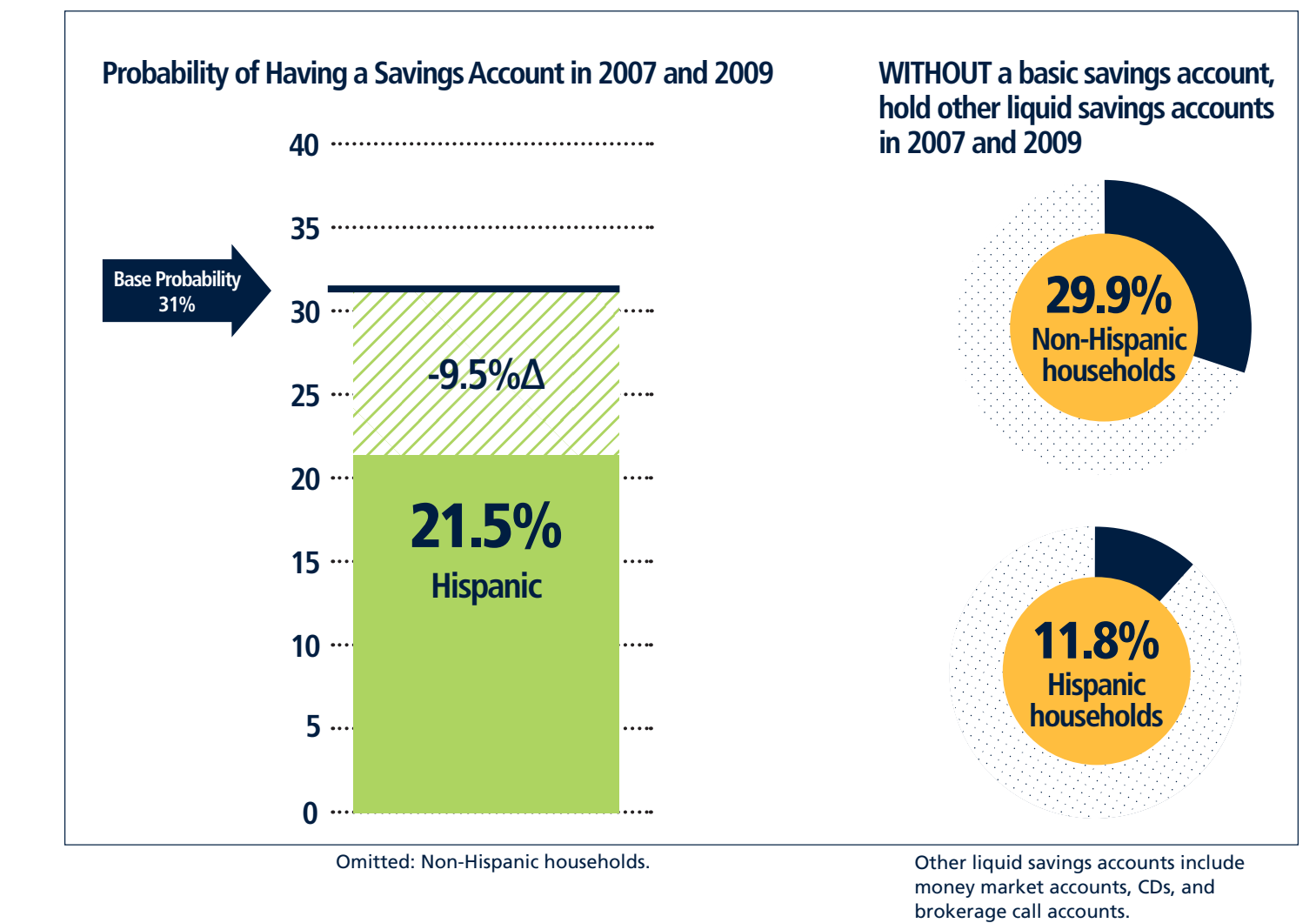
PARTIAL EFFECTS—Age Groups



PARTIAL EFFECTS—Income Quintiles



PARTIAL EFFECTS—Ethnicity



Conclusions

- Basic savings account ownership increased:
 - 46% of households had an account in 2007
 - 50% of households had an account by 2009
 - Half of all households do not have a basic savings account
- Characteristics important to basic account ownership are:
 - Position in life-cycle
 - Educational attainment
 - Race/ethnicity
- Circumstances that influence basic savings account ownership are:
 - Changes in family income
 - Loss of liquidity
 - Credit shopping behavior
- Households most likely to possess a basic savings account:
 - Are younger
 - Have less education
 - Are low- to middle-income families

Future Research

- Replicate Findings – Compare to studies that analyze account ownership over financially stable timeframes or different recessions.
- Savings Accumulation – Conduct analyses that identify in what ways and how much households accumulate and use liquid savings over time
- Minority Gap – Determine what factors are contributing to differences in savings account ownership by race/ethnicity. Are cultural, behavioral, and other unobserved factors important?

Contact Information

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