PSID-SHELF USER GUIDE AND CODEBOOK, 1968–2019, BETA RELEASE

The PSID's Social, Health, and Economic Longitudinal File (PSID-SHELF)

Data release 2023.01

Includes 41 waves, 1968–2019

Documentation last updated: October 2023

Recommended Citations

Please cite PSID-SHELF in any product that makes use of the data.

Anyone who uses PSID-SHELF should cite the data or the *PSID-SHELF User Guide and Codebook*—and, as required by the PSID user agreement, the main PSID data.

Funding Acknowledgements

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1 Introduction to PSID-SHELF

1.1 What is PSID-SHELF?

The Panel Study of Income Dynamics–Social, Health, and Economic Longitudinal File (PSID-SHELF) provides an easy-to-use and harmonized longitudinal file for the Panel Study of Income Dynamics (PSID), the longest-running nationally representative household panel survey in the world.

PSID-SHELF accentuates the PSID's strengths through **(1) its household panel structure** that follows the same families over multiple decades; and **(2) its multigenerational genealogical design** that follows the descendants of panel families that were originally sampled in 1968, with immigrant sample refreshers in 1997–1999 and 2017. Every individual who has ever been included in the PSID's main study is included in the PSID-SHELF data, with over 80,000 people observed, some of them across more than 40 survey waves (1968–present). The current version of PSID-SHELF includes 41 waves of survey data, ranging from 1968 to 2019.

The file contains measures on a wide range of substantive topics from the PSID's individual and family files, including variables on demographics, family structure, educational attainment, family income, individual earnings, employment status, occupation, housing, and wealth—as well as the essential administrative variables pertaining to key survey identifiers, panel status, sample weights, and household relationship identifiers. PSID-SHELF thus covers some of the most central variables in PSID that have been collected for many years. PSID-SHELF can easily be merged with other PSID data products to add other public-use variables by linking variables based on a survey participant's individual and family IDs.

Despite a focus on longitudinally consistent measurement, many PSID variables change over waves, e.g., thanks to new code frames, topcodes, question splitting, or similar. PSID-SHELF provides harmonized measures to increase the ease of using PSID data, but by necessity this harmonization involves analytic decisions that users may or may not agree with. These decisions are described at a high level in the *PSID-SHELF User Guide and Codebook*, but only a close review of the Stata code used to construct the variables in the data will fully reveal each analytic decision. The Stata code underlying PSID-SHELF is openly accessible not only to allow for such review but also to encourage users, as they become more comfortable with PSID, to use and alter the full code or selected code snippets for their own analytic purposes. PSID-SHELF is entirely based on

publicly released data and therefore can be recreated by anyone who has registered for PSID data use.

Despite careful and multiple code reviews, it is possible that the code used to produce PSID-SHELF contains errors. The authors therefore encourage users to review the codes carefully, to report any mistakes and errors to us (**psidshelf.help@umich.edu**), and take no responsibility for any errors arising from the provided codes and files.

1.2 How can PSID-SHELF be used?

PSID-SHELF data can be used on its own, jointly with the PSID Main Study, or sequentially whereby the PSID-SHELF data is first used to gain experience before graduating to the full PSID Main Study.

By providing a series of harmonized measures, PSID-SHELF serves as an easy introduction and starting point for researchers who wish to begin using the PSID. It provides an efficient way to learn PSID's complex data structure and to quickly select an analytic sample of observations to gain an initial sense of analytic sample sizes. With a large selection of social, health, and economic characteristics, PSID-SHELF can in some instances serve as **a standalone file for entry-level users**.

For intermediate and more advanced users, PSID-SHELF can also serve as **a baseline file for data linkage** to add other variables from the PSID Main Study or its extensive set of Supplementary Studies. Or, conversely, experienced users may be interested in a select, harmonized variable to add to their existing analytic files.

Furthermore, the files that construct PSID-SHELF are included with the data files, so that PSID-SHELF can be copied and adjusted to users' needs, to recreate one of the PSID-SHELF variables based on different analytic decisions, to harmonize new measures following a similar process, or to alter and recreate the entire PSID-SHELF.

1.3 Who maintains PSID-SHELF?

The beta release of PSID-SHELF is currently a user-initiated data product published to **Open ICPSR**.

The *PSID-SHELF User Guide and Codebook* is not a formal PSID product, but can be used in conjunction with other PSID documentation. This manual can serve as a gentle introduction to the PSID and PSID-SHELF, but it cannot replace a close reading of the **2019 PSID Main Interview User Manual** or other documentation that can be found at the **PSID website**.

The current version of the *PSID-SHELF User Guide and Codebook* was authored by Davis Daumler, Esther Friedman, and Fabian Pfeffer. Analytic contributions to the

current version of the PSID-SHELF data were provided by Patricia Andreski, Davis Daumler, Esther Friedman, Florian Hertel, Noura Insolera, Fabian Pfeffer, Mehmet Zahid Samancioglu, Andreja Siliunas, and Brittany Vasquez.

1.4 When was PSID-SHELF released?

PSID-SHELF was originally uploaded, in beta, to **Open ICPSR** on October 10, 2023.

PSID-SHELF was generated using publicly available data from the PSID Main Study (i.e., 41 waves of family files, 1968–2019, and the cross-year individual file, 1968–2019, release number 3). The original data files were downloaded from the **PSID Data Center** on September 9, 2022.

PSID-SHELF will continue to be expanded and updated. The current version and release date are noted on the title page of this document. Plans are underway to add additional variables, including the PSID's health measures.

2 Key Terminology Used in PSID-SHELF

There are a number of innovations in terminology that are important for navigating the PSID-SHELF data and documentation. Several key phrases are listed below.

Family roles

FU	Family unit
HH	Household (the physical dwelling in which one or more FUs are living)
RP	Reference person (typically the respondent who completed the survey for the FU)
SP	Spouse/partner (refers to the RP's legal spouse or cohabiting partner)
RC	Reference couple (refers to the RP and SP)
Ind	Individual (refers to any member of the FU)

Variable naming conventions

1M	A variable that provides the first of multiple possible reports ("mention 1")
2M	A variable that provides the second of multiple possible reports ("mention 2")
3M	A variable that provides the third of multiple possible reports ("mention 3")
4M	A variable that provides the fourth of multiple possible reports ("mention 4")
MM	A variable that is generated based on all possible reports ("from multi mention")
1970C	An occupation variable that uses the 1970 Census occupation codes ("COC1970")
2000C	An occupation variable that uses the 2000 Census occupation codes ("COC2000")
2010C	An occupation variable that uses the 2010 Census occupation codes ("COC2010")
--F	A dollar-value variable that equivalizes/adjusts values for family size ("fam size adj")
--N	A dollar-value variable that is reported in dollars at time of survey ("nominal USD")
--R	A dollar-value variable that is inflation-adjusted to 2018 dollars ("real USD 2018")
--X	A variable to supplement a collapsed measure with added values ("expanded")
MAX	A variable to denote an individual's highest-ever reported value ("max ever response")

3 List of Variables

3.1 Survey variables

Individual and family identifiers

ID	Unique ID
YEAR	Survey year
LINEAGE	Lineage, 1968 family ID
PNUM	Person number
FID	Family ID, wave-specific
HHID	Household ID, wave-specific

Family unit membership

CURRENT	Ind is current member of family unit?
REL	Ind's relation to ref person
RELX	Ind's relation to ref person, extended
REFCOUPLE	Ind is a member of ref couple?

Panel status and interview information

SAMPLE	FU's sample membership
SAMPLEP	Ind's sample person status
NONRESPONSE	Ind's reason for nonresponse, wave-specific
NONRESPONSEX	Ind's reason for nonresponse, wave-specific, extended
DROPSTAT	FU's panel status after 1997 Census/SEO sample drop
ELIG1997CDS	Ind was in a fam unit with an eligible child for 1997 CDS?
RESPONDENT	FU's respondent who completed the interview
RESPONDENTX	FU's respondent who completed the interview, extended

Sample weights and complex survey design

FW	FU's longitudinal weight
FWCROSS	FU's cross-sectional weight
FWLATINCORE	FU's longitudinal weight (for Latino/core samples)
FWLATINONLY	FU's longitudinal weight (for Latino sample only)
IW	Ind's longitudinal weight
IWCROSS	Ind's cross-sectional weight
IWLATINCORE	Ind's longitudinal weight (for Latino/core samples)
IWLATINONLY	Ind's longitudinal weight (for Latino sample only)

STRATUM	Sample stratum (complex survey design)
CLUSTER	Sample cluster (complex survey design)

3.2 Social characteristics

Age and sex

SEX	Ind's sex
BIRTHYEAR	Ind's birth year, last reported
BIRTHMONTH	Ind's birth month, last reported
DEATHYEAR	Ind's death year, last reported or best estimate
AGEREP	Ind's reported age at time of interview

Geographical location

GEOSTATE	FU's current state of residence
GEOSTATECHI	Ind's childhood state of residence, majority response
GEOREGION	FU's current region of residence
GEOREGIONCHI	Ind's childhood region of residence, majority response

Family characteristics

FAMSIZE	FU's total number of individuals
FAMCHILD	FU's total number of children
FAMMARSTAT	RP's marital status
FAMPARTNERED	RP is living with a spouse/partner?
FAMMARRIED	RP is legally married to a spouse?

Racial/ethnic identification

RACEMAJ	Ind's race/ethnicity, majority response, from first mention
RACEMAJMM	Ind's race/ethnicity, majority response, from multi mention
RACE	Ind's race/ethnicity, from first mention
RACEX	Ind's race/ethnicity, from first mention, extended
RACERP	RP's race/ethnicity, from first mention
RACESP	SP's race/ethnicity, from first mention
RACEMM	Ind's race/ethnicity, from multi mention
RACEMMX	Ind's race/ethnicity, from multi mention, extended
RACEMMRP	RP's race/ethnicity, from multi mention
RACEMMSP	SP's race/ethnicity, from multi mention
RACE1MREP	Ind's reported race, mention 1
RACE2MREP	Ind's reported race, mention 2
RACE3MREP	Ind's reported race, mention 3
RACE4MREP	Ind's reported race, mention 4
ETHOSPANREP	Ind's reported ethnic origin, Spanish descent

Educational attainment

EDUYEAR	Ind's years of education
EDUYEARRP	RP's years of education
EDUYEARSP	SP's years of education
EDUYEARRC	RP/SP's joint years of education
EDUYEARMAX	Ind's years of education, max ever response
EDUYEARMAXRP	RP's years of education, max ever response
EDUYEARMAXSP	SP's years of education, max ever response
EDUYEARMAXRC	RP/SP's joint years of education, max ever response
EDULEVEL	Ind's highest level of education
EDULEVELRP	RP's highest level of education
EDULEVELSP	SP's highest level of education
EDULEVELRC	RP/SP's joint highest level of education
EDULEVELMAX	Ind's highest level of education, max ever response
EDULEVELMAXRP	RP's highest level of education, max ever response
EDULEVELMAXSP	SP's highest level of education, max ever response
EDULEVELMAXRC	RP/SP's joint highest level of education, max ever response
EDUCOMP	Ind's highest grade completed
EDUHSGRAD	Individual graduated high school?
EDUANYCOL	Individual entered college?
EDUDEGREE	Ind's highest degree attained
EDUFINST	Ind attended non-U.S. educ institution?
EDUFDEGREE	Ind's highest non-U.S. degree attained

3.3 Economic characteristics

Total family income

INCFAMN	FU's total family income (nominal USD), tax year
INCFAMR	FU's total family income (real USD 2022), tax year
INCFAMFN	FU's total family income, fam size adj (nominal USD), tax year
INCFAMFR	FU's total family income, fam size adj (real USD 2022), tax year

Individual earnings

EARNINDN	Ind's earnings (nominal USD), tax year
EARNINDNRP	RP's earnings (nominal USD), tax year
EARNINDNSP	SP's earnings (nominal USD), tax year
EARNINDNRC	RP/SP's combined earnings (nominal USD), tax year
EARNINDR	Ind's earnings (real USD 2022), tax year
EARNINDRRP	RP's earnings (real USD 2022), tax year
EARNINDRSP	SP's earnings (real USD 2022), tax year
EARNINDRRC	RP/SP's combined earnings (real USD 2022), tax year
EARNINDFN	Ind's earnings, fam size adj (nominal USD), tax year
EARNINDFNRP	RP's earnings, fam size adj (nominal USD), tax year
EARNINDFNSP	SP's earnings, fam size adj (nominal USD), tax year

EARNINDFNRC	RP/SP's combined earnings, fam size adj (nominal USD), tax year
EARNINDFR	Ind's earnings, fam size adj (real USD 2022), tax year
EARNINDFRRP	RP's earnings, fam size adj (real USD 2022), tax year
EARNINDFRSP	SP's earnings, fam size adj (real USD 2022), tax year
EARNINDFRRC	RP/SP's combined earnings, fam size adj (real USD 2022), tax year

Employment status

EMPSTAT1M	Ind's employment status, mention 1
EMPSTAT2M	Ind's employment status, mention 2
EMPSTAT3M	Ind's employment status, mention 3
EMPSTAT1MRP	RP's employment status, mention 1
EMPSTAT1MSP	SP's employment status, mention 1
EMPWORK	Ind is currently working? from first mention
EMPWORKRP	RP is currently working? from first mention
EMPWORKSP	SP is currently working? from first mention
EMPWORKMM	Ind is currently working? from multi mention
EMPWORKMMRP	RP is currently working? from multi mention
EMPWORKMMSP	SP is currently working? from multi mention

Occupation

OCC1970C	Ind's occupation, 1970 code (COC1970)
OCC1970CRP	RP's occupation, 1970 code (COC1970)
OCC1970CSP	SP's occupation, 1970 code (COC1970)
OCC2000C1M	Ind's occupation, 2000 code (COC2000), mention 1
OCC2000C2M	Ind's occupation, 2000 code (COC2000), mention 2
OCC2000C3M	Ind's occupation, 2000 code (COC2000), mention 3
OCC2000C4M	Ind's occupation, 2000 code (COC2000), mention 4
OCC2000C1MRP	RP's occupation, 2000 code (COC2000), mention 1
OCC2000C1MSP	SP's occupation, 2000 code (COC2000), mention 1
OCC2010C1M	Ind's occupation, 2010 code (COC2010), mention 1
OCC2010C2M	Ind's occupation, 2010 code (COC2010), mention 2
OCC2010C3M	Ind's occupation, 2010 code (COC2010), mention 3
OCC2010C4M	Ind's occupation, 2010 code (COC2010), mention 4
OCC2010C1MRP	RP's occupation, 2010 code (COC2010), mention 1
OCC2010C1MSP	SP's occupation, 2010 code (COC2010), mention 1

Housing characteristics

HOMEOWN	FU owns primary home?
HOMEEQUITYN	FU's primary home, home equity (nominal USD)
HOMEEQUITYR	FU's primary home, home equity (real USD 2022)
HOMEEQUITYFN	FU's primary home, home equity, fam size adj (nominal USD)
HOMEEQUITYFR	FU's primary home, home equity, fam size adj (real USD 2022)
HOMEVALUEN	FU's primary home, home val (nominal USD)

HOMEVALUER	FU's primary home, home val (real USD 2022)
HOMEVALUEFN	FU's primary home, home val, fam size adj (nominal USD)
HOMEVALUEFR	FU's primary home, home val, fam size adj (real USD 2022)
HOMEMORNUM	FU's primary home, number of mortgages
HOMEMORTOTN	FU's primary home, mortgage, all mentions (nominal USD)
HOMEMORTOTR	FU's primary home, mortgage, all mentions (real USD 2022)
HOMEMORTOTFN	FU's primary home, mortgage, all mentions, fam size adj (nominal USD)
HOMEMORTOTFR	FU's primary home, mortgage, all mentions, fam size adj (real USD 2022)
HOMEMOR1MN	FU's primary home, mortgage, mention 1 (nominal USD)
HOMEMOR1MR	FU's primary home, mortgage, mention 1 (real USD 2022)
HOMEMOR1MFN	FU's primary home, mortgage, mention 1, fam size adj (nominal USD)
HOMEMOR1MFR	FU's primary home, mortgage, mention 1, fam size adj (real USD 2022)
HOMEMOR2MN	FU's primary home, mortgage, mention 2 (nominal USD)
HOMEMOR2MR	FU's primary home, mortgage, mention 2 (real USD 2022)
HOMEMOR2MFN	FU's primary home, mortgage, mention 2, fam size adj (nominal USD)
HOMEMOR2MFR	FU's primary home, mortgage, mention 2, fam size adj (real USD 2022)

Total net worth

NETWORTHN	FU's total net worth (nominal USD)
NETWORTHR	FU's total net worth (real USD 2022)
NETWORTHFN	FU's total net worth, fam size adj (nominal USD)
NETWORTHFR	FU's total net worth, fam size adj (real USD 2022)
NETWORTH2N	FU's total net worth, excl home (nominal USD)
NETWORTH2R	FU's total net worth, excl home (real USD 2022)
NETWORTH2FN	FU's total net worth, excl home, fam size adj (nominal USD)
NETWORTH2FR	FU's total net worth, excl home, fam size adj (real USD 2022)
NETWORTH3N	FU's total net worth, excl home/real estate (nominal USD)
NETWORTH3R	FU's total net worth, excl home/real estate (real USD 2022)
NETWORTH3FN	FU's total net worth, excl home/real estate, fam size adj (nominal USD)
NETWORTH3FR	FU's total net worth, excl home/real estate, fam size adj (real USD 2022)

Total assets

TOTASSN	FU's total assets (nominal USD)
TOTASSR	FU's total assets (real USD 2022)
TOTASSFN	FU's total assets, fam size adj (nominal USD)
TOTASSFR	FU's total assets, fam size adj (real USD 2022)
TOTASS2N	FU's total assets, excl home (nominal USD)
TOTASS2R	FU's total assets, excl home (real USD 2022)
TOTASS2FN	FU's total assets, excl home, fam size adj (nominal USD)
TOTASS2FR	FU's total assets, excl home, fam size adj (real USD 2022)
TOTASS3N	FU's total assets, excl home/real estate (nominal USD)
TOTASS3R	FU's total assets, excl home/real estate (real USD 2022)
TOTASS3FN	FU's total assets, excl home/real estate, fam size adj (nominal USD)
TOTASS3FR	FU's total assets, excl home/real estate, fam size adj (real USD 2022)

Total debts

TOTDEBN	FU's total debts (nominal USD)
TOTDEBR	FU's total debts (real USD 2022)
TOTDEBFN	FU's total debts, fam size adj (nominal USD)
TOTDEBFR	FU's total debts, fam size adj (real USD 2022)
TOTDEB2N	FU's total debts, excl home (nominal USD)
TOTDEB2R	FU's total debts, excl home (real USD 2022)
TOTDEB2FN	FU's total debts, excl home, fam size adj (nominal USD)
TOTDEB2FR	FU's total debts, excl home, fam size adj (real USD 2022)
TOTDEB3N	FU's total debts, excl home/real estate (nominal USD)
TOTDEB3R	FU's total debts, excl home/real estate (real USD 2022)
TOTDEB3FN	FU's total debts, excl home/real estate, fam size adj (nominal USD)
TOTDEB3FR	FU's total debts, excl home/real estate, fam size adj (real USD 2022)

Wealth components

WLTHHOMETOTN	FU's wealth comp, primary home, tot val (nominal USD)
WLTHHOMETOTR	FU's wealth comp, primary home, tot val (real USD 2022)
WLTHHOMETOTFN	FU's wealth comp, primary home, tot val, fam size adj (nominal USD)
WLTHHOMETOTFR	FU's wealth comp, primary home, tot val, fam size adj (real USD 2022)
WLTHHOMEASSN	FU's wealth comp, primary home, home val (nominal USD)
WLTHHOMEASSR	FU's wealth comp, primary home, home val (real USD 2022)
WLTHHOMEASSFN	FU's wealth comp, primary home, home val, fam size adj (nominal USD)
WLTHHOMEASSFR	FU's wealth comp, primary home, home val, fam size adj (real USD 2022)
WLTHHOMEDEBN	FU's wealth comp, primary home, mortgage (nominal USD)
WLTHHOMEDEBR	FU's wealth comp, primary home, mortgage (real USD 2022)
WLTHHOMEDEBFN	FU's wealth comp, primary home, mortgage, fam size adj (nominal USD)
WLTHHOMEDEBFR	FU's wealth comp, primary home, mortgage, fam size adj (real USD 2022)
WLTHREALTOTN	FU's wealth comp, real estate, tot val (nominal USD)
WLTHREALTOTR	FU's wealth comp, real estate, tot val (real USD 2022)
WLTHREALTOTFN	FU's wealth comp, real estate, tot val, fam size adj (nominal USD)
WLTHREALTOTFR	FU's wealth comp, real estate, tot val, fam size adj (real USD 2022)
WLTHREALASSN	FU's wealth comp, real estate, assets (nominal USD)
WLTHREALASSR	FU's wealth comp, real estate, assets (real USD 2022)
WLTHREALASSFN	FU's wealth comp, real estate, assets, fam size adj (nominal USD)
WLTHREALASSFR	FU's wealth comp, real estate, assets, fam size adj (real USD 2022)
WLTHREALDEBN	FU's wealth comp, real estate, debts (nominal USD)
WLTHREALDEBR	FU's wealth comp, real estate, debts (real USD 2022)
WLTHREALDEBFN	FU's wealth comp, real estate, debts, fam size adj (nominal USD)
WLTHREALDEBFR	FU's wealth comp, real estate, debts, fam size adj (real USD 2022)
WLTHFBIZTOTN	FU's wealth comp, farm/business, tot val (nominal USD)
WLTHFBIZTOTR	FU's wealth comp, farm/business, tot val (real USD 2022)
WLTHFBIZTOTFN	FU's wealth comp, farm/business, tot val, fam size adj (nominal USD)
WLTHFBIZTOTFR	FU's wealth comp, farm/business, tot val, fam size adj (real USD 2022)
WLTHFBIZASSN	FU's wealth comp, farm/business, assets (nominal USD)
WLTHFBIZASSR	FU's wealth comp, farm/business, assets (real USD 2022)
WLTHFBIZASSFN	FU's wealth comp, farm/business, assets, fam size adj (nominal USD)
WLTHFBIZASSFR	FU's wealth comp, farm/business, assets, fam size adj (real USD 2022)

WLTHFBIZDEBN	FU's wealth comp, farm/business, debts (nominal USD)
WLTHFBIZDEBR	FU's wealth comp, farm/business, debts (real USD 2022)
WLTHFBIZDEBFN	FU's wealth comp, farm/business, debts, fam size adj (nominal USD)
WLTHFBIZDEBFR	FU's wealth comp, farm/business, debts, fam size adj (real USD 2022)
WLTHSAVETOTN	FU's wealth comp, savings, tot val (nominal USD)
WLTHSAVETOTR	FU's wealth comp, savings, tot val (real USD 2022)
WLTHSAVETOTFN	FU's wealth comp, savings, tot val, fam size adj (nominal USD)
WLTHSAVETOTFR	FU's wealth comp, savings, tot val, fam size adj (real USD 2022)
WLTHSAVECSHN	FU's wealth comp, savings, cash/checking (nominal USD)
WLTHSAVECSHR	FU's wealth comp, savings, cash/checking (real USD 2022)
WLTHSAVECSHFN	FU's wealth comp, savings, cash/checking, fam size adj (nominal USD)
WLTHSAVECSHFR	FU's wealth comp, savings, cash/checking, fam size adj (real USD 2022)
WLTHSAVEBNDN	FU's wealth comp, savings, bonds/CDs (nominal USD)
WLTHSAVEBNDR	FU's wealth comp, savings, bonds/CDs (real USD 2022)
WLTHSAVEBNDFN	FU's wealth comp, savings, bonds/CDs, fam size adj (nominal USD)
WLTHSAVEBNDFR	FU's wealth comp, savings, bonds/CDs, fam size adj (real USD 2022)
WLTHFUNDTOTN	FU's wealth comp, investments, tot val (nominal USD)
WLTHFUNDTOTR	FU's wealth comp, investments, tot val (real USD 2022)
WLTHFUNDTOTFN	FU's wealth comp, investments, tot val, fam size adj (nominal USD)
WLTHFUNDTOTFR	FU's wealth comp, investments, tot val, fam size adj (real USD 2022)
WLTHFUNDSTKN	FU's wealth comp, investments, stocks (nominal USD)
WLTHFUNDSTKR	FU's wealth comp, investments, stocks (real USD 2022)
WLTHFUNDSTKFN	FU's wealth comp, investments, stocks, fam size adj (nominal USD)
WLTHFUNDSTKFR	FU's wealth comp, investments, stocks, fam size adj (real USD 2022)
WLTHFUNDIRAN	FU's wealth comp, investments, IRAs/annuities (nominal USD)
WLTHFUNDIRAR	FU's wealth comp, investments, IRAs/annuities (real USD 2022)
WLTHFUNDIRAFN	FU's wealth comp, investments, IRAs/annuities, fam size adj (nominal USD)
WLTHFUNDIRAFR	FU's wealth comp, investments, IRAs/annuities, fam size adj (real USD 2022)
WLTHAUTOTOTN	FU's wealth comp, vehicles, tot val (nominal USD)
WLTHAUTOTOTR	FU's wealth comp, vehicles, tot val (real USD 2022)
WLTHAUTOTOTFN	FU's wealth comp, vehicles, tot val, fam size adj (nominal USD)
WLTHAUTOTOTFR	FU's wealth comp, vehicles, tot val, fam size adj (real USD 2022)
WLTHOASSTOTN	FU's wealth comp, other assets, tot val (nominal USD)
WLTHOASSTOTR	FU's wealth comp, other assets, tot val (real USD 2022)
WLTHOASSTOTFN	FU's wealth comp, other assets, tot val, fam size adj (nominal USD)
WLTHOASSTOTFR	FU's wealth comp, other assets, tot val, fam size adj (real USD 2022)
WLTHODEBTOTN	FU's wealth comp, other debts, tot val (nominal USD)
WLTHODEBTOTR	FU's wealth comp, other debts, tot val (real USD 2022)
WLTHODEBTOTFN	FU's wealth comp, other debts, tot val, fam size adj (nominal USD)
WLTHODEBTOTFR	FU's wealth comp, other debts, tot val, fam size adj (real USD 2022)
WLTHODEBCCDN	FU's wealth comp, other debts, cred card (nominal USD)
WLTHODEBCCDR	FU's wealth comp, other debts, cred card (real USD 2022)
WLTHODEBCCDFN	FU's wealth comp, other debts, cred card, fam size adj (nominal USD)
WLTHODEBCCDFR	FU's wealth comp, other debts, cred card, fam size adj (real USD 2022)
WLTHODEBSTUN	FU's wealth comp, other debts, educ loans (nominal USD)
WLTHODEBSTUR	FU's wealth comp, other debts, educ loans (real USD 2022)
WLTHODEBSTUFN	FU's wealth comp, other debts, educ loans, fam size adj (nominal USD)

WLTHODEBSTUFR	FU's wealth comp, other debts, educ loans, fam size adj (real USD 2022)
WLTHODEBMEDN	FU's wealth comp, other debts, med bills (nominal USD)
WLTHODEBMEDR	FU's wealth comp, other debts, med bills (real USD 2022)
WLTHODEBMEDFN	FU's wealth comp, other debts, med bills, fam size adj (nominal USD)
WLTHODEBMEDFR	FU's wealth comp, other debts, med bills, fam size adj (real USD 2022)
WLTHODEBLEGN	FU's wealth comp, other debts, legal bills (nominal USD)
WLTHODEBLEGR	FU's wealth comp, other debts, legal bills (real USD 2022)
WLTHODEBLEGFN	FU's wealth comp, other debts, legal bills, fam size adj (nominal USD)
WLTHODEBLEGFR	FU's wealth comp, other debts, legal bills, fam size adj (real USD 2022)
WLTHODEBFAMN	FU's wealth comp, other debts, fam loans (nominal USD)
WLTHODEBFAMR	FU's wealth comp, other debts, fam loans (real USD 2022)
WLTHODEBFAMFN	FU's wealth comp, other debts, fam loans, fam size adj (nominal USD)
WLTHODEBFAMFR	FU's wealth comp, other debts, fam loans, fam size adj (real USD 2022)
WLTHODEBREMN	FU's wealth comp, other debts, remain val (nominal USD)
WLTHODEBREMR	FU's wealth comp, other debts, remain val (real USD 2022)
WLTHODEBREMFN	FU's wealth comp, other debts, remain val, fam size adj (nominal USD)
WLTHODEBREMFR	FU's wealth comp, other debts, remain val, fam size adj (real USD 2022)

3.4 Household relationship identifiers

Parent records

RELPARNUM	Ind's total number of parent records
RELPAR1ID	Ind's parent 1, unique ID
RELPAR1TYPE	Ind's parent 1, type of record
RELPAR2ID	Ind's parent 2, unique ID
RELPAR2TYPE	Ind's parent 2, type of record
RELPAR3ID	Ind's parent 3, unique ID
RELPAR3TYPE	Ind's parent 3, type of record
RELPAR4ID	Ind's parent 4, unique ID
RELPAR4TYPE	Ind's parent 4, type of record

Child records

RELCHINUM	Ind's total number of child records
RELCHINUM	Ind's reported number of children, with or without records
RELCHI1ID	Ind's child 1, unique ID
RELCHI1TYPE	Ind's child 1, type of record
RELCHI1BYEAR	Ind's child 1, birth year
RELCHI2ID	Ind's child 2, unique ID
RELCHI2TYPE	Ind's child 2, type of record
RELCHI2BYEAR	Ind's child 2, birth year
RELCHI3ID	Ind's child 3, unique ID
RELCHI3TYPE	Ind's child 3, type of record
RELCHI3BYEAR	Ind's child 3, birth year
RELCHI4ID	Ind's child 4, unique ID

RELCHI4BYEAR	Ind's child 4, birth year
RELCHI5ID	Ind's child 5, unique ID
RELCHI5TYPE	Ind's child 5, type of record
RELCHI5BYEAR	Ind's child 5, birth year
RELCHI6ID	Ind's child 6, unique ID
RELCHI6TYPE	Ind's child 6, type of record
RELCHI6BYEAR	Ind's child 6, birth year
RELCHI7ID	Ind's child 7, unique ID
RELCHI7TYPE	Ind's child 7, type of record
RELCHI7BYEAR	Ind's child 7, birth year
RELCHI8ID	Ind's child 8, unique ID
RELCHI8TYPE	Ind's child 8, type of record
RELCHI8BYEAR	Ind's child 8, birth year
RELCHI9ID	Ind's child 9, unique ID
RELCHI9TYPE	Ind's child 9, type of record
RELCHI9BYEAR	Ind's child 9, birth year
RELCHI10ID	Ind's child 10, unique ID
RELCHI10TYPE	Ind's child 10, type of record
RELCHI10BYEAR	Ind's child 10, birth year
RELCHI11ID	Ind's child 11, unique ID
RELCHI11TYPE	Ind's child 11, type of record
RELCHI11BYEAR	Ind's child 11, birth year
RELCHI12ID	Ind's child 12, unique ID
RELCHI12TYPE	Ind's child 12, type of record
RELCHI12BYEAR	Ind's child 12, birth year
RELCHI13ID	Ind's child 13, unique ID
RELCHI13TYPE	Ind's child 13, type of record
RELCHI13BYEAR	Ind's child 13, birth year
RELCHI14ID	Ind's child 14, unique ID
RELCHI14TYPE	Ind's child 14, type of record
RELCHI14BYEAR	Ind's child 14, birth year
RELCHI15ID	Ind's child 15, unique ID
RELCHI15TYPE	Ind's child 15, type of record
RELCHI15BYEAR	Ind's child 15, birth year
RELCHI16ID	Ind's child 16, unique ID
RELCHI16TYPE	Ind's child 16, type of record
RELCHI16BYEAR	Ind's child 16, birth year
RELCHI17ID	Ind's child 17, unique ID
RELCHI17TYPE	Ind's child 17, type of record
RELCHI17BYEAR	Ind's child 17, birth year
RELCHI18ID	Ind's child 18, unique ID
RELCHI18TYPE	Ind's child 18, type of record
RELCHI18BYEAR	Ind's child 18, birth year
RELCHI19ID	Ind's child 19, unique ID
RELCHI19TYPE	Ind's child 19, type of record
RELCHI19BYEAR	Ind's child 19, birth year
RELCHI20ID	Ind's child 20, unique ID

`RELCHI20TYPE`	Ind's child 20, type of record
`RELCHI20BYEAR`	Ind's child 20, birth year

Marriage records

`RELMARNUM`	Ind's total number of marriage records
`RELMARREP`	Ind's reported number of marriages, with or without records
`RELMAR1ID`	Ind's marriage 1, unique ID
`RELMAR1MYEAR`	Ind's marriage 1, marriage year
`RELMAR1SYEAR`	Ind's marriage 1, separation year
`RELMAR1DYEAR`	Ind's marriage 1, dissolution year
`RELMAR2ID`	Ind's marriage 2, unique ID
`RELMAR2MYEAR`	Ind's marriage 2, marriage year
`RELMAR2SYEAR`	Ind's marriage 2, separation year
`RELMAR2DYEAR`	Ind's marriage 2, dissolution year
`RELMAR3ID`	Ind's marriage 3, unique ID
`RELMAR3MYEAR`	Ind's marriage 3, marriage year
`RELMAR3SYEAR`	Ind's marriage 3, separation year
`RELMAR3DYEAR`	Ind's marriage 3, birth year
`RELMAR4ID`	Ind's marriage 4, unique ID
`RELMAR4MYEAR`	Ind's marriage 4, marriage year
`RELMAR4SYEAR`	Ind's marriage 4, separation year
`RELMAR4DYEAR`	Ind's marriage 4, dissolution year
`RELMAR5ID`	Ind's marriage 5, unique ID
`RELMAR5MYEAR`	Ind's marriage 5, marriage year
`RELMAR5SYEAR`	Ind's marriage 5, separation year
`RELMAR5DYEAR`	Ind's marriage 5, dissolution year
`RELMAR6ID`	Ind's marriage 6, unique ID
`RELMAR6MYEAR`	Ind's marriage 6, marriage year
`RELMAR6SYEAR`	Ind's marriage 6, separation year
`RELMAR6DYEAR`	Ind's marriage 6, dissolution year
`RELMAR7ID`	Ind's marriage 7, unique ID
`RELMAR7MYEAR`	Ind's marriage 7, marriage year
`RELMAR7SYEAR`	Ind's marriage 7, separation year
`RELMAR7DYEAR`	Ind's marriage 7, dissolution year
`RELMAR8ID`	Ind's marriage 8, unique ID
`RELMAR8MYEAR`	Ind's marriage 8, marriage year
`RELMAR8SYEAR`	Ind's marriage 8, separation year
`RELMAR8DYEAR`	Ind's marriage 8, dissolution year

3.5 Data identifiers

`SHELFRELEASE`	Release number of PSID-SHELF, current data file
`SHELFCOMPILE`	Compile date of PSID-SHELF, current data file
`SHELFRETRIEVE`	Retrieval date of main PSID data, for generating PSID-SHELF

4 Survey Variables

4.1 Individual and family identifiers

PSID-SHELF provides several individual and family identifiers that can be used to identify anyone who ever enters a family unit in the PSID during any survey year. Identifiers can be used to track individuals over time (i.e., identifiers that do not change and are consistent across survey years) and they can be used to track changes to an individual's living arrangements (i.e., identifiers that are time-varying across survey years).

There are three identifiers that are used to track individuals over time. The unique ID is a single measure that is used to identify an individual (sample or nonsample) who ever enters a family unit within the PSID (`ID`). Each individual also has an original 1968 family ID that is used to identify the original sample family that the individual comes from (`LINEAGE`). When a panel family was not present in the original 1968 wave (e.g., because they were added to the PSID sample through the Latino sample/1990, which ended in 1995; immigrant refresher sample/1997–99; immigrant refresher sample/2017), then they are still assigned an original 1968 family ID. Finally, within each family unit, an individual is assigned a unique person number (`PNUM`). The aforementioned unique ID is generated by multiplying an individual's 1968 family ID by 1000 and adding their unique person number (i.e., equal to `[ (LINEAGE x 1000) + PNUM ]`).

There are two identifiers that are used to track changes to an individual's living arrangements. The family ID is assigned to every individual who belongs to the same family unit (`FID`) in a given survey wave. The family unit is defined as a group of people living together as a family; and they are almost always related by blood, marriage, or adoption. The household ID is assigned to every individual who lives in the same physical dwelling (`HHID`). The household unit can be a house, townhouse, apartment, a room in a rooming house, or even a tent or car. Not everyone who lives in the same household unit is automatically a part of the family unit; other people may live in the household temporarily but do not meet the criteria of relatedness and economic integration that defines a family unit. (The PSID interviews are concerned with the members of PSID family units.) In some cases, a household might include two or more family units—all of whom live in the same physical dwelling, wherein each family contains at least one individual who is a sample person and eligible to be followed by the PSID.

The survey year indicator (`YEAR`) represents the year in which the PSID survey instrument was completed by the respondent. While most questions ask a respondent about the individual and family characteristics at the time of survey, some questions ask a respondent

about previous years. For example, the PSID collects income based on the tax year prior to each survey wave (e.g., 2005's income values are based on the family's taxable income from the 2004 tax year).

4.2 Family unit membership

There are six variables that identify an individual's current status within a family unit. Current member provides a time-varying indicator of whether an individual is a member of a PSID family unit during a given survey year (`CURRENT`). The variable has two possible values (not a current member of fam unit; current member of fam unit).

Relation to reference person provides a time-varying indicator of the reference person's relation to each member of the family unit (`REL`). The variable has four possible values (ref person; spouse/partner of ref person; child of ref person; other fam unit member). Knowing who the reference person is—and the relation of the reference person to all other individuals in the family unit—is crucial, because the PSID's survey instrument treats the reference person (and their spouse/partner) as the focal point of most questions. The same variable is also provided with an expanded set of categories (`RELX`).

There is a time-varying indicator of whether an individual is a member of the reference couple, as either the reference person or the spouse/partner (`REFCOUPLE`), which can have two possible values (not in ref couple; in ref couple). The vast majority of data is collected about the reference person and spouse/partner; and only a smaller amount of data collected on children and other family unit members (sometimes referred to in the main PSID documentation as "OFUMs").

4.3 Panel status and interview information

The PSID follows a complex survey design that consists of a number of different subsamples. Sample membership provides a single measure of the specific subsample through which a panel family joined the survey (`SAMPLE`). The PSID comprises five subsamples (main sample/SRC; main sample/SEO; Latino sample/1990, which ended 1995; immigrant refresher sample/1997–99; immigrant refresher sample/2017). The PSID collects data on individuals who are members of a panel family (i.e., sample persons) and individuals who joined a panel family through the formation of a union or shared living arrangements (i.e., nonsample persons). Therefore, sample person status provides a single measure of whether each individual is a followable member of a panel family or a nonsample individual who has joined a panel family (`SAMPLEP`).

For individuals and families who did not participate in the survey during a specific wave, there is an indicator of the reason for nonresponse (`NONRESPONSE`), which provides a detailed list of reasons for nonresponse. A selection of these reasons include: (1)

mortality; (2) being in an institution; (3) voluntary exit from the survey (i.e., panel attrition); (4) nonsample eligibility (i.e., when a nonsample person moves out of the family unit and is ineligible to be followed); and (5) the survey wave predates the first year in which an individual (or family) enters the PSID (i.e., not born, not moved in, or sample added in subsequent year). Additionally, every individual who is a current member of a family unit at the time of interview will receive a value of "active response" on the nonresponse variable. The same variable is also provided with an expanded set of categories (`NONRESPONSEX`).

In 1997, one-third of the Census/SEO sample were randomly cut from the PSID's main sample due to budgetary reasons. However, a selection of these dropped families were reinstated to the sample if they had children under the age of 13 and, therefore, were eligible to participate in the 1997 Child Development Supplement (CDS). Therefore, PSID-SHELF includes two variables to identify these families. First, there is an indicator of a family unit's panel status after the 1997 Census/SEO sample drop (`DROPSTAT`), which has three possible values (never dropped; dropped and never reinstated; dropped and reinstated). Second, there is an indicator of whether a family unit includes an individual who was a member of a 1997 family unit that included an eligible child for the 1997 CDS (`ELIG1997CDS`), which has two possible values (was not in a fam unit with an eligible child; was in a fam unit with an eligible child). In select analyses, the 1997 CDS eligibility indicator can be used as a control variable or as a weighting adjustment to account for differential probabilities of sample inclusion for families with at least one child under the age of 13 (Freedman and Schoeni 2016).

In the vast majority of family units, the reference person is the respondent who completed the survey interview. However, in a small number of cases, the respondent can either be the spouse/partner or someone else (e.g., another family unit memebr, a proxy respondent who is not a member of the family unit, or an unspecified person). Therefore, PSID-SHELF includes a time-varying indicator that identifies the family unit member who was responsible for responding to the survey instrument on behalf of a family unit in a given survey wave (`RESPONDENT`). The variable has three possible values (reference person; spouse/partner; other person). The same variable is also provided with an expanded set of categories (`RESPONDENTX`).

4.4 Sample weights and complex survey design

The PSID uses sample weights to account for the differential probabilities of selection due to the PSID's complex survey design and its multiple subsamples. When sample weights are used, the PSID provides a nationally representative portrait of the noninstititonalized population of the United States.

There are two sets of sample weights that the PSID provides: family-level longitudinal weights (`FW`) and individual-level longitudinal weights (`IW`) across survey years. Individual

longitudinal weights only apply to sample persons. The PSID first introduced cross-sectional weights to make analyses representative of families (`FWCROSS`) and all sample and nonsample individuals (`IWCROSS`) in a specific survey year. Finally, the PSID added adjustments to the sample weights that include the Latino subsample (1990–95); analyses during these survey years, therefore, can be weighted when examining both Latino and core sample families/individuals (`FWLATINCORE; IWLATINCORE`) or solely the Latino and core sample families/individuals (`FWLATINONLY; IWLATINONLY`).

Finally, the PSID provides two variables to account for the PSID's complex sampling design. The stratum and cluster variables are used for computing complex sample design corrected standard errors/variance estimates via the Taylor Series Linearization or Repeated Replication methods (`STRATUM, CLUSTER`). These variables may be used with a variety of software programs that incorporate the complex sample design into variance estimation, including Stata, SAS, Sudaan, SPSS and others.

5 Social Characteristics

5.1 Age and sex

Basic demographic characteristics were collected for every member of the family unit. Sex is represented by a single measure, with two potential values (male; female) that do not vary over time (`SEX`).

There are two measures that capture an individual's birth year (`BIRTHYEAR`) and birth month (`BIRTHMONTH`), based on the respondent's latest report. Likewise, death year is a single measure that identifies the year in which a member of the family unit dies (`DEATHYEAR`), based on the respondent's latest report (which is occasionally made in a survey wave that happens several years after the individual's reported death).

Finally, there is a time-varying measure of reported age for every individual in the survey (`AGEREP`), based on the respondent's reports in each survey wave. Please note that there is susbtantial variation in the reported age measure, due to the year-to-year variation in when respondents complete the survey instrument and variation in respondent reports. Additionally, when children are born into the PSID sample, their reported ages are coded as "1", rather than "0", which is used to denote individuals who are not current members of a PSID sample family. Therefore, in many cases, when children are below the age of 2, they may have reported ages of "1" in back-to-back survey waves.

5.2 Geographical location

PSID-SHELF features two measures of current geographical location and two measures of childhood geographical location. The current state and region of residence were collected for every household, according to where the family unit is living at the time of survey (`GEOSTATE, GEOREGION`).

Childhood geographical locations were only collected for the reference couple and assigned to each individual (who was ever observed as a member of the reference couple). Two summary measures of childhood state and region of residence were generated (`GEOSTATECHI; GEOREGIONCHI`), based on majority response across all available waves (with a small number of ties broken by most recent report). All regional measures comprise six possible values (Northeast; Midwest; South; West; Alaska or Hawaii; country outside of the United States).

5.3 Family characteristics

Family characteristics were collected for every family unit. In some cases, multiple family units cohabit in the same household unit (i.e., the physical dwelling); therefore, variables that refer to the family unit capture the members of independent economic entity.

There are two variables that provide a count of the number of family members. Family size is a time-varying measure of the total number of individuals who were present in a family unit (`FAMSIZE`). The number of children is a time-varying measure of the number of children (defined as aged 17 or lower) in the family unit (`FAMCHILD`).

There are three variables that describe the reference person's union status and conjugal arrangement. Marital status is a time-varying measure (`FAMMARSTAT`), which comprises five possible values (married or permanently cohabiting; single and never married; widowed; divorced; separated; married and spouse absent). Currently partnered is a time-varying measure that provides a detailed overview of the reference person's relationship with their spouse/partner at time of survey (`FAMPARTNERED`), containing five possible values (legal spouse; cohabiting partner; uncooperative spouse; first-year cohabitor; no spouse/partner in family unit). Finally, currently married is a time-varying measure that indicates whether the reference person is legally married to their spouse/partner at time of survey (`FAMMARRIED`), with two possible values (not married; married).

5.4 Racial/ethnic identification

Racial/ethnic characteristics are collected only for the reference person and spouse/partner. Prior to 1985, respondents identified race using a single measure of race (e.g., `RACE1MREP`), followed by a change to using multiple reports to identify racial identity (`RACE1MREP, RACE2MREP, RACE3MREP, RACE4MREP`) and ethnic origin/Spanish descent (`ETHOSPANREP`).

Measures of racial/ethnic identification were generated for each individual who was ever observed as a member of the reference couple (i.e., reference person or spouse/partner). For all racial/ethnic characteristics, there are two types of measures: variables that are based on the first report ("first mention") only and variables that are based on up to four reports, in years that multiple reports were collected ("multi mention").

These combined measures of racial/ethnic identification were assigned to the individual level (`RACE; RACEMM`) and to the family unit's reference person (`RACERP; RACEMMRP`) and spouse/partner (`RACESP; RACEMMSP`). Prior to 1985, these variables provide four possible values (White; Black; other race; Spanish descent) and, beginning in 1985, the variables are represented by more detailed categories (White, non-Hispanic; Black, non-Hispanic; other race, non-Hispanic; Hispanic).

Additionally, beginning in 1985, a measure of racial/ethnic identification with extended categories was generated for the individual level (`RACEX; RACEMMX`), which comprises up to 14 possible values (White, non-Hispanic; Black, non-Hispanic; American Indian or Alaska Native, non-Hispanic; Asian, non-Hispanic; Native Hawaiian or Pacific Islander, non-Hispanic; Asian or Pacific Islander, non-Hispanic; other race, non-Hispanic; White, Hispanic; Black, Hispanic; American Indian or Alaska Native, Hispanic; Asian, Hispanic; Native Hawaiian or Pacific Islander, Hispanic; Asian or Pacific Islander, Hispanic; other race, Hispanic).

Two summary measures of racial/ethnic identification were generated, based on available responses provided for an individual. Both summary measures were based on majority response across all available waves (with a small number of ties being broken by most recent report). The first summary measure of race/ethnicity is based solely on the first report (`RACEMAJ`) and the second summary measure is based on all available reports (`RACEMAJMM`). Each measure has four possible values that were harmonized across all waves (White; Black; other race; Hispanic).

In a small number of cases, there is variation in the racial/ethnic identification of an individual across survey years. This can be due to changes to interview protocol or because the respondent provided different responses to the questionnaire. Multiple reports of racial identity were introduced in 1985 (second mentions) and in 1994 (third and fourth mentions). In 1985, new questions about race and ethnic origin were added to the survey interview, thereby allowing for the systematic identification of racial/ethnic characteristics. Prior to 1985, for example, individuals who may have identified as White/Hispanic or Black/Hispanic individuals would have been classified exclusively as either White, Black, or of Spanish descent.

Over the years, there have been three major changes to how the PSID has collected racial/ethnic characteristics. Initially, racial characteristics were collected by interviewer identification, with no required input from the respondent (1968–1972). For the next decade, there were no new reports of race, due to the shift to telephone interviews (1973–1984). As a result, racial identities between 1973 and 1984 were carried forward from the 1972 interview, and all splitoff families (e.g., children who form their own family units) were assumed to be the "same race" as the main family's reference person (from which they split off). Finally, the PSID added two questions about race and ethnic origin to the interview questionnaire in 1985, thereby allowing the respondent to self-identify their own racial/ethnic characteristics and the racial/ethnic characteristics of their spouse/partner (1985–present). From 1994 to 1996, and again from 1999 to 2001, reports of race and ethnic origin were carried forward for each member of the reference couple, unless the reference person or spouse/partner were newly added to the PSID sample. It was not until 2003 that questions about racial/ethnic characteristics were asked biennially of every respondent.

5.5 Educational attainment

There are two primary sets of measures that capture an individual's educational attainment: years of education and highest level of education. Whereas the years of education measure was collected for each member of the family unit, the level of education measure is generated from variables that are only collected for the reference couple. Each set of measures contain a time-varying variable that captures educational attainment in a given year (e.g., `EDUYEARS`), as well as a single summary measure that identifies an individual's highest-ever reported value, across all available waves (e.g., `EDUYEARSMAX`).

The years of education measure provides the number of years of schooling that an individual has completed at the time of survey. The measure was assigned to the individual level (`EDUYEARS; EDUYEARSMAX`) and to the family unit's reference person (`EDUYEARSRP; EDUYEARSMAXRP`), spouse/partner (`EDUYEARSSP; EDUYEARSMAXSP`), and the reference couple, by assigning the value of whichever member of the reference couple had more years of education (`EDUYEARSRC; EDUYEARSMAXRC`).

The level of education measure captures the highest educational milestone that an individual has completed at the time of survey. The measure was assigned to the individual level (`EDULEVEL; EDULEVELMAX`) and to the family unit's reference person (`EDULEVELRP; EDULEVELMAXRP`), spouse/partner (`EDULEVELSP; EDULEVELMAXSP`), and the reference couple, based on whichever individual had the higher value (`EDULEVELRC; EDULEVELMAXRC`). Each variable comprises five possible values (did not complete high school; completed high school, did not attend college; attended college, no bachelor's degree; bachelor's degree, no postgraduate degree; postgraduate degree).

Educational milestones were collected since 1985. When these educational milestones are unavailable, the years of education measure was used to proxy an individual's level of education—whereby fewer 12 years, 12 years, 13 to 15 years, 16 years, and more than 16 years of education were used as proxies for the five levels of education (did not complete high school; completed high school, did not attend college; attended college, no bachelor's degree; bachelor's degree, no postgraduate degree; postgraduate degree).

The level of education measure was based on different combinations of four variables that identify different educational milestones. Each of these measures was included at the individual level (whenever the individual was a member of the reference couple). Prior to 1991, highest grade completed provides a time-varying measure of the number of years of gradeschool that were completed and, where relevant, the degree status and level of training for individuals who completed high school (`EDUCOMP`). In 1985, a comprehensive set of educational milestones were introduced; these time-varying measures capture whether the individual graduated from high school (`EDUHSGRAD`), whether the individual attended college (`EDUANYCOL`), and the highest degree attained by the individual (`EDUDEGREE`).

An additional two measures capture the education of individuals who attended institutions outside of the United States. Since 1985, two time-varying measures were included to

identify whether an individual was educated at an institution outside the United States (`EDUFINST`) and the highest degree attained from an institution outside of the United States (`EDUFDEGREE`).

6 Economic Characteristics

6.1 Total family income

PSID-SHELF provides four measures of family income, capturing the total amount of family income that was earned by every member of the family unit (reference person, spouse/partner, children, and any other family unit members). The PSID collects income based on the tax year prior to each survey wave (e.g., 2005's income values are based on the family's taxable income from the 2004 tax year).

All currency variables are reported in nominal U.S. dollars (based on the year in which the survey instrument was collected) and in real U.S. dollars in 2022 using the Personal Consumption Expenditures Price Index (PCEPI) to adjust for inflation. Finally, all currency variables are adjusted for family size by dividing the dollar amount by the square root of the total number of individuals living in the family unit.

Therefore, there are four variants of the family income measure: with and without inflation adjustments; and with and without family-size adjustments. Total family income (nominal U.S. dollars) refers to the total amount of family income earned by every member of the family unit in the relevant tax year (`INCFAMN`). Total family income (real U.S. dollars 2022) refers to the total amount of family income earned by every member of the family unit in the relevant tax year, inflation adjusted to 2022 dollars (`INCFAMR`). Each of the aforementioned measures also has a version that was adjusted for family size (`INCFAMFN, INCFAMR`).

6.2 Individual earnings

There are several measures that capture an individual's labor income that they earned from wages, business, and farming. These characteristics were collected for both the reference person and spouse/partner; and PSID-SHELF includes a combined measure of individual earnings for the reference couple (i.e., both the reference person and spouse/partner, if one is present in the family unit). Each measure was assigned to the individual level (whenever an individual was a member of the reference couple).

Like with family income, there are four variants of the individual earnings: with and without inflation adjustments; and with and without family-size adjustments. (See the "Total family income" subsection for an expanded discussion of these procedures.) Total earnings

(nominal U.S. dollars) refers to the total amount of labor income that an individual earned in the relevant tax year (`EARNINDN, EARNINDNRP, EARNINDNSP, EARNINDNRC`: where the postscripts `RP`, `SP`, and `RC` denote the reference person, spouse/partner, and combined reference couple, respectively). Total earnings (real U.S. dollars 2022) refers to the total amount of labor income earned by an individual in the relevant tax year, inflation adjusted to 2022 dollars (`EARNINDR, EARNINDRRP, EARNINDRSP, EARNINDRRC`). Each of the aforementioned measures also has a version that was adjusted for family size (`EARNINDFN, EARNINDFNRP, EARNINDFNSP, EARNINDFNRC; EARNINDFR, EARNINDFRRP, EARNINDFRSP, EARNINDFRRC`).

Please note that the current earnings measures do not include the component of individual income from farm labor after 1993 (i.e., beginning in 1994), due to changes in how farm labor was measured. First, farm-based income must be distinguished from farming assets. Second, with the exception of a single variable in 1993 that identifies a spouse/partner's farm-based earnings, it was not until 2015 that a measure was introduced to identify whether the spouse/partner was responsible for a share of the total farm labor.

6.3 Employment status

An individual's current employment status was collected for both the reference person and spouse/partner. In the most recent survey waves, up to three mentions of employment status were permitted (`EMPSTAT1M, EMPSTAT2M, EMPSTAT3M`). There are eight possible values: one category indicates that an individual is currently employed (or "working now"); and seven categories indicate that an individual is currently not employed (temporarily laid off, sick leave, parental leave; looking for work; retired; permanently disabled, temporarily disabled; keeping house, incl. unemployed/not looking for work; student; other, 'workfare', in prison or jail).

All three mentions of employment status are provided at the individual level (whenever an individual was a member of the reference couple); and the first mention is reported for variables that specify the employment status of the family unit's reference person and spouse/partner (`EMPSTAT1MRP, EMPSTAT1SP`). However, the second and third mentions can be collected, by identifying the unique IDs of the reference person and/or spouse/partner in the years in which an individual was the reference person or spouse/partner.

There is another set of variables that were generated to identify whether an individual indicated that they were currently working. The measure of currently working, from first mention, is based solely on the first employment status that an individual reported (`EMPWORK, EMPWORKRP, EMPWORKSP`). Currently working, from multiple mentions, refers identifies whether an individual was working based on all available reports (`EMPWORKMM, EMPWORKMMRP, EMPWORKMMSP`). Each of the aforementioned measures has two possible values (currently working; not currently working).

6.4 Occupation

PSID-SHELF includes measures that identify the occupations of the reference person and spouse/partner in every survey year. However, there is considerable variation across waves in the occupational coding scheme that was used: between 1968 and 2001, the 1970 Census Occupational Codes (COC1970) were used; between 2003 and 2015, the 2000 Census Occupational Codes were used (COC2000); and beginning in 2017, the 2010 Census Occupational Codes were used (COC2010).

Prior to 2003, individuals could report only one occupation, based on the 1970 code (`OCC1970C, OCC1970CRP, OCC1970CSP`: where the postscripts `RP` and `SP` denote the reference person and spouse/partner, respectively).

Between 2003 and 2015, individuals could report up to four different occupations, based on the 2000 code (`OCC2000C1M, OCC2000C2M, OCC2000C3M, OCC2000C4M`). All mentions are available at the individual level. For variables that describe the family unit's reference person and spouse/partner, only the first mention was included (`OCC2000C1MRP, OCC2000C1SP`). However, the second, third, and fourth mentions can be collected, by identifying the unique IDs of the reference person and/or spouse/partner in the years in which they were members of the reference couple.

Since 2017, individuals could report up to four different occupations, based on the 2000 code (`OCC2010C1M, OCC2010C2M, OCC2010C3M, OCC2010C4M`). All mentions are available at the individual level. For variables that describe the family unit's reference person and spouse/partner, only the first mention was included (`OCC2010C1MRP, OCC2010C1SP`). However—like with the 2000 codes—the second, third, and fourth mentions can be collected by linking the reference person and spouse/partner with their individual-level characteristics.

6.5 Housing characteristics

PSID-SHELF features information on the family's primary home, related to homeownership, home value, and mortgages held. The PSID collects housing assets and debts based on the year of the current survey wave (e.g., 2011's wealth values are based on the family's assets and debts held, in 2011, at the time of interview).

All currency variables are reported in nominal U.S. dollars (based on the year in which the survey instrument was collected) and in real U.S. dollars in 2022 using the Personal Consumption Expenditures Price Index (PCEPI) to make the inflation adjustments.

In every survey year, there is a measure that identifies a family's homeownership status for their primary home (`HOMEOWN`), containing three possible values (owns home; pays rent; neither owns home nor pays rent).

For families that own their homes, there is a measure that identifies the value of the primary home, in nominal U.S. dollars and real U.S. dollars in 2022 (`HOMEVALUEN`, `HOMEVALUER`: where the `N` and `R` postscripts refer to nominal values and real values that are inflation adjusted to 2022 dollars, respectively). There is also a measure for the total value of mortgages, which is equal to debts held (`HOMEMORTOTN`, `HOMEMORTOTR`). In some years that mortgage value is available, a family can report up to two mortgages: first mention (`HOMEMOR1MN`, `HOMEMOR1MR`) and second mention (`HOMEMOR2MN`, `HOMEMOR2MR`). Each of the aforementioned measures also has a version that was adjusted for family size (`HOMEVALUEFN`, `HOMEVALUEFR`; `HOMEMORTOTFN`, `HOMEMORTOTFR`; `HOMEMOR1MFN`, `HOMEMOR1MFR`; `HOMEMOR2MFN`, `HOMEMOR2MFR`). There is also a measure that identifies the number of mortgages reported (`HOMEMORNUM`), which has three possible values (no mortgage; one mortgage; two mortgages).

Finally, in the survey years that wealth characteristics were collected there is a series of wealth measures that capture the family's home equity for their primary home, in nominal U.S. dollars and real U.S. dollars in 2022 (`HOMEEQUITYN`, `HOMEEQUITYR`) and adjusted for family size (`HOMEEQUITYFN`, `HOMEEQUITYFR`).

6.6 Total net worth

There are three sets of measures that capture a family's total net worth, defined as the sum of all assets subtracted by the sum of all debts. The first set of measures considers all sources of wealth; the second set excludes the net value of the primary home, if owned by the family; and the third set excludes the net value of the primary home and all other real estate. The PSID collects wealth based on the year of the current survey wave (e.g., 2011's wealth values are based on the family's assets and debts held, in 2011, at the time of interview).

All currency variables are reported in nominal U.S. dollars (based on the year in which the survey instrument was collected) and in real U.S. dollars in 2022 using the Personal Consumption Expenditures Price Index (PCEPI) to make the inflation adjustments. Finally, all currency variables are adjusted for family size by dividing the dollar amount by the square root of the total number of individuals living in the family unit.

Therefore, there are four variants of each set of wealth measures: with and without inflation adjustments; and with and without family-size adjustments. Total net worth (nominal U.S. dollars) refers to the total sum of a family's assets less the total sum of a family's debts at the time of survey (`NETWORTHN`, `NETWORTH2N`, `NETWORTH3N`: where the `2` and `3` modifications refer to net worth excluding home equity and net worth excluding home equity and real estate, respectively). Total net worth (real U.S. dollars 2022) refers to the total sum of a family's assets less the total sum of a family's debts at the time of survey, inflation adjusted to 2022 dollars (`NETWORTHR`, `NETWORTH2R`, `NETWORTH3R`). Each of the aforementioned measures also has a version that was adjusted for family size (`NETWORTHFN`, `NETWORTH2FN`, `NETWORTH3FN`; `NETWORTHFR`, `NETWORTH2FR`, `NETWORTH3FR`).

6.7 Total assets

There are three sets of measures that capture a family's total assets: the first set considers all asset types; the second set excludes the home value of the primary home, if owned by the family; and the third set excludes the home value of the primary home and all other real estate assets.

Like with net worth, there are four variants of the family's total assets: with and without inflation adjustments; and with and without family-size adjustments. (See the "Total net worth" subsection for an expanded discussion of these procedures.) Total assets (nominal U.S. dollars) refers to the total sum of a family's assets at the time of survey (`TOTASSN`, `TOTASS2N`, `TOTASS3N`). Total assets (real U.S. dollars 2022) refers to the total sum of a family's assets at the time of survey, inflation adjusted to 2022 dollars (`TOTASSR`, `TOTASS2R`, `TOTASS3R`). Each of the aforementioned measures also has a version that was adjusted for family size (`TOTASSFN, TOTASS2FN, TOTASS3FN; TOTASSFR, TOTASS2FR, TOTASS3FR`).

6.8 Total debts

There are three sets of measures that capture a family's total debts: the first set considers all sources of debts; the second set excludes the value of mortgages on the primary home, if owned by the family; and the third set excludes the value of mortgages on the primary home and all other real estate debts.

Like with net worth, there are four variants of the family's total debts: with and without inflation adjustments; and with and without family-size adjustments. (See the "Total net worth" subsection for an expanded discussion of these procedures.) Total debts (nominal U.S. dollars) refers to the total sum of a family's debts at the time of survey (`TOTDEBN, TOTDEB2N, TOTDEB3N`). Total debts (real U.S. dollars 2022) refers to the total sum of a family's debts at the time of survey, inflation adjusted to 2022 dollars (`TOTDEBR`, `TOTDEB2R, TOTDEB3R`). Each of the aforementioned measures also has a version that was adjusted for family size (`TOTDEBFN, TOTDEB2FN, TOTDEB3FN; TOTDEBFR, TOTDEB2FR, TOTDEB3FR`).

6.9 Wealth components

PSID-SHELF provides harmonized measures of eight wealth components that are available in each survey year that wealth characteristics were collected. There are two variants of each wealth component: with and without inflation adjustments. Like with net worth, there are four variants of the family's total debts: with and without inflation adjustments; and with and without family-size adjustments. (See the "Total net worth" subsection for an expanded discussion of these procedures.)

There is considerable variation in how the PSID collects the components of wealth, over time. For example, prior to 2013, a single variable captured the net value of a family's real estate; beginning in 2013, two variables separately captured a family's real estate assets and debts. Therefore, PSID-SHELF includes both the disaggregated versions of these variables—which are collected in some years but not in others—and the aggregated (or net) versions of the eight wealth components—which provides harmonized measures for the eight wealth components that are reasonably consistent over time.

The first component of wealth captures the family's home equity for their primary home, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHHOMETOTN, WLTHHOMETOTR, WLTHHOMETOTFN, WLTHHOMETOTFR`: where the `N` and `R` postscripts refer to nominal values and real values that are inflation adjusted to 2022 dollars, respectively; and the `FN` and `FR` postscripts indicate that these values were also adjusted for family size). In every year that the measure is available, the component can also be disaggregated into assets owned, which is represented by total home value (`WLTHHOMEASSN, WLTHHOMEASSR, WLTHHOMEASSFN, WLTHHOMEASSFR`), and debts held, which is represented by total mortgage value (`WLTHHOMEDEBN, WLTHHOMEDEBR, WLTHHOMEDEBFN, WLTHHOMEDEBFR`).

The second component of wealth captures the family's real estate holdings other than the primary home, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHREALTOTN, WLTHREALTOTR, WLTHREALTOTFN, WLTHREALTOTFR`). Beginning in 2013, the component can also be disaggregated into assets owned (`WLTHREALASSN, WLTHREALASSR, WLTHREALASSFN, WLTHREALASSFR`) and debts held (`WLTHREALDEBN, WLTHREALDEBR, WLTHREALDEBFN, WLTHREALDEBFR`).

The third component of wealth captures the family's farm and business holdings, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHFBIZTOTN, WLTHFBIZTOTR, WLTHFBIZTOTFN, WLTHFBIZTOTFR`). Beginning in 2013, the component can also be disaggregated into assets owned (`WLTHFBIZASSN, WLTHFBIZASSR, WLTHFBIZASSFN, WLTHFBIZASSFR`) and debts held (`WLTHFBIZDEBN, WLTHFBIZDEBR, WLTHFBIZDEBFN, WLTHFBIZDEBFR`).

The fourth component of wealth captures the family's savings, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHSAVETOTN, WLTHSAVETOTR, WLTHSAVETOTFN, WLTHSAVETOTFR`). Beginning in 2019, the component can also be disaggregated into cash and checking (`WLTHSAVECSHN, WLTHSAVECSHR, WLTHSAVECSHFN, WLTHSAVECSHFR`) and bonds and CDs (`WLTHSAVEBNDN, WLTHSAVEBNDR, WLTHSAVEBNDFN, WLTHSAVEBNDFR`).

The fifth component of wealth captures the family's investment funds, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHFUNDTOTN, WLTHFUNDTOTR, WLTHFUNDTOTFN, WLTHFUNDTOTFR`). Beginning in 1999, the component can also be disaggregated into stocks (`WLTHFUNDSTKN, WLTHFUNDSTKR, WLTHFUNDSTKFN, WLTHFUNDSTKFR`) and IRAs and annuities (`WLTHFUNDIRAN, WLTHFUNDIRAR, WLTHFUNDIRAFN, WLTHFUNDIRAFR`).

The sixth component of wealth captures the family's automobile holdings, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHAUTOTOTN, WLTHAUTOTOTR, WLTHAUTOTOTFN, WLTHAUTOTOTFR`). The component was never disaggregated into autombobile assets or

debts; in every year that the measure is available, the variable represents the net value of all vehicles owned.

The seventh component of wealth captures the family's other assets, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHOASSTOTN`, `WLTHOASSTOTR`, `WLTHOASSTOTFN`, `WLTHOASSTOTFR`). The component was never disaggregated into any more granular components; in every year that the measure is available, the variable represents all other assets that are not captured by other questions in the wealth survey instrument.

The eighth component of wealth captures the family's other debts, in nominal U.S. dollars and real U.S. dollars in 2022 (`WLTHODEBTOTN`, `WLTHODEBTOTR`, `WLTHODEBTOTFN`, `WLTHODEBTOTFR`). Beginning in 2011, the component can also be disaggregated into credit cards (`WLTHODEBCCDN`, `WLTHODEBCCDR`, `WLTHODEBCCDFN`, `WLTHODEBCCDFR`), student loans (`WLTHODEBSTUN`, `WLTHODEBSTUR`, `WLTHODEBSTUFN`, `WLTHODEBSTUFR`), medical bills (`WLTHODEBMEDN`, `WLTHODEBMEDR`, `WLTHODEBMEDFN`, `WLTHODEBMEDFR`), legal bills (`WLTHODEBLEGN`, `WLTHODEBLEGR`, `WLTHODEBLEGFN`, `WLTHODEBLEGFR`), family loans (`WLTHODEBFAMN`, `WLTHODEBFAMR`, `WLTHODEBFAMFN`, `WLTHODEBFAMFR`), and the remaining value of all other debts that are not captured by other questions in the wealth survey instrument (`WLTHODEBREMN`, `WLTHODEBREMR`, `WLTHODEBREMFN`, `WLTHODEBREMFR`). Please note that, in 2011, when family's other debts were initially separated into multiple variables, there was not a sixth disaggregated component for remaining value of all other debts. Therefore, in 2011, there are five variables that capture a family's other debts; and, from 2013 to present, there are six variables that capture a family's other debts.

7 Household Relationship Identifiers

7.1 Parent records

PSID-SHELF provides the unique ID (i.e., `ID`) for every birth parent and adoptive parent that an individual reports in the survey. Total number of parent records is a count of how many parent IDs are attributed to an individual (`RELPARNUM`).

Each individual can have as many as six parent records: a birth mother, up to two adoptive mothers, a birth father, and up to adoptive fathers. (As of 2019, no individuals have more than four parent records on file.) For each parent, there are two variables that are reported: (1) the parent ID (`RELPAR1ID, RELPAR2ID, RELPAR3ID, RELCHI4ID`); and (2) the type of record for each parent (`RELPAR1TYPE, RELPAR2TYPE, RELPAR3TYPE, RELPAR4TYPE`). Using these parent records, an individual can be linked directly to their parent(s), if they were ever observed in a PSID family unit.

7.2 Child records

A series of unique IDs (i.e., `ID`) are also reported for every child that an individual reports in the survey. Total number of child records is a count of how many child IDs are attributed to an individual (`RELCHINUM`). There is a separate indicator for the reported number of children, with or without records (`RELCHIREP`). In most cases, these two measures provide equal values. However, there are cases in which individuals report having a child for whom there is not a corresponding child record with an assigned unique ID.

Each individual can have up to 20 child records. For each child, there are three variables that are reported: (1) the child ID (`RELCHI1ID, RELCHI2ID, RELCHI3ID, [...] RELCHI20ID`); (2) the type of record for each child (`RELCHI1TYPE, [...] RELCHI20TYPE`); and (3) the reported birth year of each child (`RELCHI1BYEAR, [...] RELCHI20BYEAR`). Using these child records, an individual can be linked directly to their child(ren), if they were ever observed in a PSID family unit.

7.3 Marriage records

The PSID also tracks the legal marriages that an individual has entered into, which includes the unique ID (i.e., `ID`) of the spouse and the years of union formation, separation, and dissolution. Total number of marriage records is a count of how many spouse IDs are attributed to an individual (`RELMARNUM`). There is a separate indicator for the reported number of marriages, with or without records (`RELMARREP`). In most cases, these two measures provide equal values. However, in a small number of cases, the PSID only has spouse IDs for a subset of the marriages that an individual reports that they have entered into.

Each individual can have up to eight marriage records. For each marriage, there are four variables that are reported: (1) the spouse ID (`RELMAR1ID, RELMAR2ID, RELMAR3ID, [...] RELMAR8ID`); (2) the year of union formation (`RELMAR1MYEAR, [...] RELMAR8MYEAR`); (3) the year of union separation (`RELMAR1SYEAR, [...] RELMAR8SYEAR`); and (4) the year of union dissolution (`RELMAR1DYEAR, [...] RELMAR8DYEAR`). Using these marriage records, an individual can be linked directly to any spouse who the individual was legally married to, if they were ever observed in a PSID family unit.

8 Data Identifiers

There are three administrative variables that provide data records for the PSID-SHELF. In each data file, there is a release number that denotes the version of PSID-SHELF that the user has downloaded (SHELFRELEASE). Every release number specifies the year in which the data were published and the number of updates that have been made to the data file during the calendar year.

There are also two variables that identify the compile date (SHELFCOMPILE) and retrieval date (SHELFRETRIEVE) for the current data file. The compile date provides a record of when the PSID-SHELF was last generated (and compressed into a zipped folder). The retrieval date provides an estimate of when the main PSID data were downloaded (and used to construct the current version of the PSID-SHELF).

Generating the Data

PSID-SHELF was generated from over 19,000 lines of code, across 38 files, in Stata-17/MP. The resulting data file contains 82,573 observations and 5,429 variables (when the data are in wide format: one row per person) and 3,385,493 observations and 387 variables (when the data are in long format: one row per person-year).

In their compressed versions, the zipped folders are 142 MB (wide format) and 215 MB (long format). The full versions of PSID-SHELF have a file size of 1.8 GB (wide format) and 5.5 GB (long format).

All of the construction files that were used to generate PSID-SHELF are provided alongside the data files, along with the PSID-SHELF User Guide and Codebook, version history, and other data documentation. All files are available on **Open ICPSR**.

How to Contact Us

Please **contact us** if you have any comments or questions about PSID-SHELF.

Despite careful and multiple code reviews, it is possible that the code used to produce PSID-SHELF contains errors. We take no responsibility for any errors arising from the provided code. If you identify an error, we encourage you to report it to the PSID-SHELF team (**psidshelf.help@umich.edu**).

For all other questions about the main PSID (i.e., unrelated to PSID-SHELF), please contact the PSID help desk (**psidhelp@umich.edu**) or consult the PSID's **official documentation**.

Please Cite PSID-SHELF

Please cite PSID-SHELF in any product that makes use of the data.

Anyone who uses PSID-SHELF should cite the data or the *PSID-SHELF User Guide and Codebook*—and, as required by the PSID user agreement, the main PSID data.

PSID-SHELF DATA:

Pfeffer, Fabian T., Davis Daumler, and Esther Friedman. PSID-SHELF, 1968–2019: The PSID's Social, Health, and Economic Longitudinal File (PSID-SHELF), Beta Release. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], <date last modified>. <**Open ICPSR DOI**>.

PSID-SHELF USER GUIDE AND CODEBOOK:

Daumler, Davis, Esther Friedman, and Fabian T. Pfeffer. 2023. *PSID-SHELF User Guide and Codebook, 1968–2019, Beta Release.* Data release <release number>. Ann Arbor, MI: Survey Research Center, Institute for Social Research, University of Michigan. <**Open ICPSR DOI**>.

THE MAIN PSID DATA:

Panel Study of Income Dynamics, public-use dataset <or "restricted-use data," if appropriate>. Produced and distributed by the Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI: <year of data retrieval>.

References

Freedman, Vicki A., and Robert Schoeni. 2016. *Generating Nationally Representative Estimates of Multi-Generational Families and Related Statistics for Blacks in the PSID.* PSID Technical Series 16-01. Ann Arbor, MI: Survey Research Center, Institute for Social Research, University of Michigan. Retrieved February 17, 2022 (**https://psidonline.isr.umich.edu/Publications/Papers/tsp/2016-01_Est_Multi_Gen_Black_Fam.pdf**).

Panel Study of Income Dynamics, public-use dataset. Produced and distributed by the Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI: 2022.

Pfeffer, Fabian T., Davis Daumler, and Esther Friedman. *PSID-SHELF, 1968–2019: The PSID's Social, Health, and Economic Longitudinal File (PSID-SHELF), Beta Release.* Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2023-10-11. **https://doi.org/10.3886/E194322V1**.

PSID. 2021. *PSID Main Interview User Manual: Release 2021.* Ann Arbor, MI: Survey Research Center, Institute for Social Research, University of Michigan. Retrieved September 22, 2023 (**https://psidonline.isr.umich.edu/data/Documentation/UserGuide2019.pdf**).