



Add Health Parent Study Overview & Recent Findings

V. Joseph Hotz PI of AHPS (with Kathleen Mullan Harris) Duke University

Add Health User Conference

July 11, 2021







Add Health Parent Study (AHPS) funding:

- R21 AG042663-01, *Locating the Parents of Add Health*, K. M. Harris, V. J. Hotz, & J. A. Seltzer, PIs.
- R01 AG042794-01, *Add Health Parent Study: Phase I*, V. J. Hotz & K. M. Harris, Pls.
- P30 AG034424, Center for Population Health and Aging (Duke), S. Lynch, PI.





 A data source to study aging processes in 2+ generations & intergenerational linkages in health, behaviors & relationships.













Research Questions Motivating the Add Health Parent Study





- *Health conditions & behaviors* run in families:
 - Cardiovascular disease (CVD)
 - Obesity
 - Substance abuse, e.g., alcoholism, smoking, drugs.
- Can parents' health statuses & trajectories be used to predict their (adult) children's health trajectories?



Cognition, Personality & Preferences



- Cognitive ability (e.g., IQ) predictive of range of outcomes, including health, successful careers, other indicators of well-being
 - So are *non-cognitive skills, personality traits* & *preferences* (e.g., aversion to risk, impatience)
- Are *parents'* cognition & non-cognitive skills *predictive of* their *children's* cognition & skills?
- Do they help account for similarities & differences in health & well-being across generations?



Relationships between Generations



- Caring for **Baby Boomer Generation**
 - Family members are important source of caregiving for elderly who are ill & disabled
 - Arno et al. (1999) estimate costs of informal care provided by family = \$197B; costs of than nursing home care = \$83B; costs of formal home health care = \$32B.

- Will kids take care of their step-dads?

- Incidence of *divorce* or *non-marital fertility* is sizable for those in *Baby Boomer Generation*.
- Figuring out its consequences are crucial for assessing costs to families & adequacy of public policy of caring for this generation over the next 20-30 years.



Relationships between Generations



- Economic demographers Ronald Lee & Andrew Mason have characterized *nations' transfer of resources between generations*, especially public transfers, & their *effects on society well-being*.
- What is extent of transfers of resources (time & money) *between generations within families*?
- What effects do transfers have on health & well-being of each generation?
- Do economic and health disparities adversely affect families' capacity to provide intergenerational safety nets?



Intergenerational Mobility



- Growing evidence that what parents do & don't do for young children and adolescents is important for whether initial inequality in economic & social status and health is perpetuated.
- Does what parents do & don't do in a child's adult life continue to matter?







Add Health Parent Study Sample Design & Data Collection





Origins of Add Health Parent Study

- In Wave I (1995) of Add Health, a *parent* (mostly mothers) of each Add Health Sample Member (AHSM) was interviewed.
- Parents referred to as **Wave I Parent (W1P)**.
 - At Wave I they were 35-50 years old.



Data Collected on Parents in Wave I of Add Health Study



A: About themselves

- Age, race, ethnicity
- Marital status
- Religion, church attendance
- Education
- Work, disability
- Income, material hardship
- Neighborhood conditions
- Marital history
- Life happiness
- General health
- Health behaviors (alcohol & tobacco use)

B: About then Spouse/Partner

- Sex, age, race, ethnicity
- Religion
- Education
- Work, disability
- Public assistance
- Relationship satisfaction
- Life happiness
- General health
- Health behaviors (alcohol & tobacco use)

C: About their AHSM Child(ren)

- Relationship to child
- Presence of bio parents in household
- Child's friends
- Educational expectations
- Involvement in child's school and schoolwork
- Relationship with child
- Cognitive functioning
- Health, health insurance
- Birthweight
- Health behaviors
- Communication about sex
- Child's social life
- Family health history (child, bio mother, bio father)
- Disability
- For twins: determination of fraternal vs identical ¹²





- Add Health Parent Study [AHPS, 2015-2017] 20-year follow-up study of subsample of W1Ps.
- Sample of W1Ps re-interviewed around Wave V of Add Health Study in years 2015-2017.
 - Sampled *biological*, *adoptive* or *step parents* of living AHSMs.
 - Sampling based on population representativeness of AHSMs.
 - Data collected paralleled that in previous Waves of Add Health Study & other aging studies (HRS, NSHAP)
- Also interviewed current *spouses or partners* (S/Ps) of W1Ps.
 - May or may not have been a parent of AHSMs back at Wave I.
 - Data collected from S/Ps paralleled that collected from W1P.



AHPS Parent & AHSM Child Pairs





- Some Family Clusters include both biological parent-figures of AHSMs; Others include bio parent & step-parent.
- AHSMs in multiple-AHSM Family Clusters include twins, non-twin full sibs &/or halfsibs.



AHPS Sample Targets & Completed Interviews



Target Wave I Parents (W1Ps)	3,108
Target Spouse/Partners (S/Ps) (60% of interviewed W1Ps)	1,492
AHSMs of Targeted W1Ps	3,416
Completed Sample:	
Wave I Parents (W1Ps)	2,013
Spouse/Partners (S/Ps)	988
AHSMs of Completed W1 Parents*	2,247
AHSMs of Completed W1 Parents*	2,2

*So we have **2,247** parent-child "pairs" available for analyses.



Completion Rates (W1Ps)



Wave 1 Parents (W1Ps)	Total	Replicate F	Replicate
		1	۷
Sample Pool of W1Ps	3,805	2,691	1,114
Target Sample for W1Ps	3,108	2,198	910
Non-completed Screeners	1,702	1,138	564
Completed Screeners but Not Interviews	89	63	26
Completed Screeners & Interviews	2,013	1,489	524
Completion Rate (Completes/Target)	64.8%	67.7%	57.6%



Completion Rates (S/Ps)



W1Ps' Spouse/Partners (S/Ps)	Total	Replicate 1	Replicate 2
W1Ps Completed Screener & Interview	2,013	1,490	524
Eligible/Available S/Ps	1,269	943	326
S/Ps Completed Interview	988	757	231
Completion Rate (Completes/Eligible)	77.9%	80.3%	70.9%



Completion Rates (AHSMs of AHPS W1Ps)



	Total	Rep 1	Rep 2
AHSM			
Total of Non-completed Screeners	1,835 (43.85%)	1,226 (41.36%)	608 (49.92%)
Total of Completed Screeners but no Completed Interviews	100 (2.39%)	72 (2.43%)	28 (2.30%)
Total of Completed Screeners & Interviews	2,248 (53.75%)	1,666 (56.21%)	582 (47.78%)
Total	4,182	2,964	1,218
AHSMs of Ineligibles* W1Ps	257	192	65
Adjusted Interview Completion Rate	3,925	2,772	1,153

Add Health Data Collected in AHPS Survey



1. Health and Health Conditions

- Physical and mental health, medications inventory (Add Health, HRS, NSHAP)
- Health insurance, access to care (HRS)
- Health behaviors (Add Health, HRS, NSHAP)
- Chronic disease, disability, acute health shocks (Add Health; HRS)
- Social integration, support, strain and stress (NSHAP, HRS, MIDUS)

2. Personality, Cognitive Processing & Preferences

- Big 5 (Add Health, Wave IV)
- Duckworth Grit Index (New)
- Word Recall Tests (Add Health, Wave IV)
- Counting Backwards (HRS)
- Risk & Patience/Time Preferences (GSOEP)

3. Relationships btwn generations

- Gathering Family Rosters (one up, one down) (PSID)
- Time & Money Transfers (PSID)
- Long Term Transfers & Financial Help (PSID)
- Notions of Safety Net provided & expected (New)
- Parents' Perceptions & Knowledge of (Adult) Child's situations & behaviors (New)

4. Economic & time capabilities

- Employment (HRS)
- Labor Market Earnings (HRS)
- Retirement: Pensions received & expected (HRS)
- Housing (HRS, PSID)
- Assets & Income from Assets (HRS)
- Debt (HRS, PSID)



Other Data Collected in AHPS



Additional Information Collected:

- Collection of *Family Health Histories* with leave-behind questionnaire
 - We collected *health data* on *3-generations*.
 - 75% completion rates,

More on these data below.

• Consents to link Administrative Records (present, past & future)

- Medicare & Medicaid
- Housing valuations & foreclosures of place-of-residence
- Links have not been made, but can be.

• **Residential Locations** for linking to data on:

- Economic, demographic status of neighborhoods
- Food environments
- Environments for exercise, etc.
- Others.

Such contextual data can be linked through Add Health Ancillary Data Process.



Timeline of AHPS & Add Health Surveys











AHPS Benchmarked against Other Health-Related Data Sets



AHPS Benchmarked against Other Health-Related Data



- Majority of AHPS W1Ps interviewed at Wave I (97%) are *female* & all *had children*.
- We compare AHPS W1Ps in Parent (2015-17) with women in HRS & NHANES.



AHPS

HRS

NHANES

Comparison of AHPS with HRS & NHANES



0.6 0.7 0.6 0.5 0.5 0.4 0.4 0.3 0.3 0.2 0.2 0.1 0.1 Fair pool Holo a suile Heat at at a sease Attitutes the less of the solution 0 NH White 6000 e Hispanic HBIACK HIGH HIGH SCHOOL COLLEGE COLLEGE Education **Race/Ethnicity Health Conditions General Health**

24







AHPS & Add Health Linked Data: Ways to Use It & Some Findings





- **1. Longitudinal** (2-waves) analyses of parents to study life cycle changes
- 2. Contemporaneous comparisons of status & interactions between generations
- 3. Intergenerational correlations of outcomes & attainment at comparable ages.
- 4. Intergenerational analyses with "sibling" comparative designs.





- One can use data on *Parents* @ Wave I and *Parents* @ Wave V to changes over life course, i.e., *changes with age*.
- These *two waves* of data on parents contain *comparable measures* of general health, health behaviors & some other outcomes at *ages 29-59* & *at 50-80*.



Changes with Age











Construction of Analytic file:

- Merge allwave1.xpt with Parent2.xpt using the AHSM unique identifier (aid)
- Keep unique parent observations using the parent 2 respondent ID (pfmid)



Changes with Age







Self-Reported General Health

Typical Drinking

Currently Smoking









Educational Attainment



Marital Status

Employment



Comparisons across the Generations



- Comparable measures for parents (in AHPS) & their Add Health children especially when adults allow one to analyze intergenerational linkages & relationships in
 - Health & health behaviors
 - Cognition
 - Relationships
 - Economic capacities



d Health

The National Longitudinal Study of Adolescent to







Contemporaneous Comparisons across the Generations-1



 We also can compare AHSMs @ Wave V with their Parents @ Wave V to examine contemporaneous linkages & relationships when both are adults. See next slide.



Contemporaneous Comparisons

across the Generations 2







Contemporaneous Comparisons using Parent-Child Pairs at Wave V



- A total of **1,701** AHSMs in Wave V have parents (W1Ps) in AHPS.
- There are **1,581 W1Ps** in matched sample.
- Tabulations below restricted to this subsample of parents.



Contemporaneous Comparisons: Intergenerational Mobility & Connectedness





Self-Reported General Health

Prevalence of Health Conditions & Other Health Indicators Words

Recalled*

Anxiety



Contemporaneous Comparisons: Intergenerational Mobility & Connectedness





Freq. of Contact

Closeness



Contemporaneous Comparisons: **Intergenerational Mobility & Connectedness-3**





Attainment



Born in U.S.

Annual Income





- One can also examine more traditional *intergenerational correlations* taken at *comparable* (adult) *ages* of parents and children.
- These correlations can be calculated using data when *each* generation is around the *same age* (~40) using data for *Parents* @ Wave I and their AHSMs @ Wave V. See next slide.











- Construction of the Analytic sample:
- Merge allwave1.xpt with wave5.xpt using AHSM unique identifier (aid)







General Health

Attainment



Multiple Children (AHSMs) and Common Parent (W1P)



- Finally, Add Health Design of multiple children (AHSMs) with common parent (W1P) presents opportunities for "sibling" comparative designs for studying intergenerational health and behaviors.
- Note, as well, that genetic data for AHSMs could be exploited.



Composition of AHSM and AHPS "Pairs"





- Some Family Clusters include both biological parent-figures of AHSMs; Others include bio parent & step-parent.
- AHSMs in multiple-AHSM Family Clusters include twins, non-twin full sibs &/or halfsibs.







Recent Studies using AHPS Data







Research Article

The Role of Family Health History in Predicting Midlife Chronic Disease Outcomes

Naomi N. Duke MD, PhD, MPH ¹ × ¹², Todd M. Jensen PhD ², Krista M. Perreira PhD ³, V. Joseph Hotz PhD ⁴, Kathleen Mullan Harris PhD ⁵

- ¹ Duke Department of Pediatrics, Division of General Pediatrics and Adolescent Health, & Duke Center for Childhood Obesity Research (DCCOR), & Department of Sociology, Duke University, Durham, North Carolina
- ² School of Social Work, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
- ³ Department of Social Medicine, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
- ⁴ Department of Economics, Duke University, Durham, North Carolina
- ⁵ Carolina Population Center, & Department of Sociology, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina





- Family health histories (FHH) source for predicting one's health & wellness.
 - Reflect *intergenerational transmission of health* via heritable factors, learned health behaviors, etc.
- Most studies using FHH focus on:
 - FHH of *first-degree relatives*.
 - Role of FHH on *particular condition/disease* (CVD, diabetes, cancer, depression).
 - Seldom have FFHs on *multiple generations* of families.
- This study leverages data from Add Health & FHH collected from W1Ps in AHPS to address both.

Add H Fam

Add Health Parent Study Family Health History	ID: FHHa 0673468947 Page 1 of 2
Is your parent still alive?	
Biological Mother	Biological Father
○ yes → How old is she? Age in years:	O yes → How old is he? Age in years:
O no → When did she die? Age at death:	O no → When did he die? Age at death:
O don't know	O don't know

Consider only your <u>biologically</u> related relatives, and please fill the answers for each of the following conditions....

Your biological		mothe	r		father	۲	any brother /sister			aunts/uncles			any grandparent		
	yes	no	don't know	yes	no	don't know	yes	no	don't know	yes	no	don't know	yes	no	don't know
Coronary Heart Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If yes, diagnosed before age 55?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heart Attack	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If yes, 1st one before age 55?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stroke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If yes, 1st one before age 55?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes or high blood sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertension or high blood pressure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Cholesterol or Hyperlipidemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer ever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prostate Cancer ever				0	0	0	0	0	0	0	0	0	0	0	0



Add Health Parent Study Family Health History (continued)

	_	_	_	_	_
11.7					
· · ·					

		mothe	r	father		any brother /sister			aunts/uncles			any grandparent			
	yes	по	don't know	yes	по	don't know	yes	no	don't know	yes	по	don't know	yes	по	don't know
If yes, prostate cancer before age 60?				0	0	0	0	0	0	0	0	0	0	0	0
Breast cancer ever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If yes, breast cancer before age 50?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorectal (or colon) cancer ever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If yes, Colorectal (or colon) cancer before age 55?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovarian Cancer ever	0	0	0				0	0	0	0	0	0	0	0	0
Lung cancer ever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Cancer ever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If so, which ones (specify): \rightarrow				<u> </u>											
Depression	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dementia or Alzheimer's Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy alcohol use or alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obesity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asthma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





Incidence of health conditions/diseases for four generations [G1 – G4]:

- G1 Any bio great grandparent of AHSMs (grandparents of W1Ps) from FHH of W1Ps in AHPS (2015-2017) data.
- G2 Each bio grandparent of AHSMs (parents of W1Ps) from FHHs.
- G3 Mothers of AHSMs (W1Ps) from AHPS (2015-2017) data
- G4 AHSMs at midlife from Add Health Wave V data

	AHSM (G4)	W1P - Mother (G3)
	Mean or %	Mean or %
Age	37.4	62.9
Sex		
Female	46.4%	100.0%
Male	53.6%	
Race/Ethnicity		
NH White	82.9%	84.2%
NH Black/African/African Ameri	7.7%	7.0%
NH Asian	1.0%	1.0%
NH Other/Native American	1.1%	2.1%
Hispanic	7.4%	5.7%
Education		
High School or Less	17.5%	42.3%
Some College	38.7%	31.5%
College Degree or More	43.8%	26.2%

Table 1. Sample Characteristics, AHSMs & W1Ps*

*Based on Wave V data, Weighted statistics.

			Maternal	Any Maternal Great
	AHSM (G4)	W1P Mother (G3)	Grandparent (G2) ²	Grandparent (G1) ²
	%	%	%	%
Heart Attack				
Female	0.1	12.2	16.0	30.5
Male	1.3		31.4	00.0
Stroke				
Female	0.1	3.0	16.9	21 3
Male	0.2		15.7	21.5
Diabetes				
Female	4.6	19.0	26.4	23.3
Male	5.2		21.8	20.0
Hypertension				
Female	15.6	44.1	48.9	23.8
Male	21.6		41.0	20.0
Elev. Cholesterol				
Female	11.3	48.1	30.2	11 0
Male	15.5		25.6	11.2
Obesity				
Female	38.9	40.3	19.5	15 /
Male	41.2		10.5	10.4
CVD Factor Risk Index $(0-4)^3$				
Female	0.7	1.5	1.2	0.7
Male	0.8		1.0	0.7
Cancer				
Female	2.5	13.7	33.4	22.7
Male	2.1		34.6	33.7
Depression				
Female	34.1	25.5	25.1	65
Male	18.9		11.0	0.0

Table 2. Health Conditions across 4 Generations (Weighted)

¹Self-reported by AHSM or W1P, respectively, in Wave V surveys.

²Reported by W1P in FHH at Wave V.

³CVD Risk Factor Index is sum of Diabetes, Hypertension, Elev. Cholestrol and Obesity.

	Diab	Diabetes		ension	Elev. Ch	olesterol	Obe	esity
	Model 1	Model 4	Model 1	Model 4	Model 1	Model 4	Model 1	Model 4
W1P Mother (G3) Had ¹	2.13	1.21	1.19	1.07	1.66	1.61	2.26	1.77
Maternal Grandfather (G2) Had ²		2.41		1.18		0.57		1.07
Maternal Grandmother (G2) Had ²		0.68		1.26		1.10		0.95
Any Maternal Great Grandparent								
(G1) Had ²		3.05		1.29		2.81		1.40
	CVD Risk	Index (0-4)	Car	ncer	Depression			
	Model 1	Model 4	Model 1	Model 4	Model 1	Model 4		
W1P Mother (G3) Had ¹	1.17	1.11	3.44	3.10	1.97	1.87		
Maternal Grandfather (G2) Had ²		1.01		0.85		1.07		
Maternal Grandmother (G2) Had ²		0.99		0.39		1.52		
Any Maternal Great Grandparent								
(G1) Had ²		1.07		0.56		0.74		

Table 3. Effects of Multi-Gen Family History of Chronic Diseases on Incidence of Same Disease for AHSM (G4)

TABLE NOTES:

(a) Model 1 includes health condition of Mother (G3) but no covariates or health conditions of G1 or G2.

(b) **Model 4** includes all G1-G3 corresponding health conditions + sociodemographics + other risk factors (modifiable ones). Joint significance of ages of G4 & G3 and current age or age-at-death of G3 were tested but were not significant for any of models.

(c) Estimates are <u>Adjusted Relative Odds</u> of AHSM having disease given that older generation had it. Estimates for CVD Risk Index indicate effect of additional risk factor on AHSM's Index.

(d) Odds statistically different from 1.00 at 0.05 level are denoted in RED.

(e) Tests for Joint Significance of Effects of Chronic Conditions of G1 (Any), G2 (both) & G3 (Materal) were all statistically significant at conventional levels.

¹Self-reported by AHSM or W1P, respectively, in Wave V surveys.

²Reported by W1P in FHH at Wave V.



FHH & Chronic Diseases



Findings:

- Health of first-degree relative [G3] predictive of many chronic diseases of G4 @ midlife (cholesterol, obesity, CVD risk, cancer, depression).
- 2. But, conditions of *other generations* [G2, G3] *do matter* for *some diseases*: diabetes, cholesterol.
- 3. More generally *health of all older generations* [G1, G2, G3] *jointly predictive* of conditions/diseases of G4 @ *midlife*, although not always individually significant.
- 4. One exception: *Hypertension* among *older generations* [G1, G2, G3] *not predictive* for *hypertension* in G4.
 - Early onset of hypertension in older generations may be predictive (Framingham Heart Study)
 - We did not collect age of onset in AHPS FHHs.





ORIGINAL STUDIES

Association between intergenerational violence exposure and maternal age of menopause

Foster, Holly PhD^{1,2}; Hagan, John PhD^{2,3}; Brooks-Gunn, Jeanne PhD⁴; Garcia, Jess MS¹

Menopause: Journal of the North American Menopause Society

March 2022 – Volume 29 – Issue 3 – pp. 284-292

doi: 10.1097/GME.000000000001923



Exposure to violence/abuse & Maternal Age of Menopause



<u>Objective</u>: Test mid-life *intergenerational weathering hypothesis* of *maternal reproductive aging*: *Maternal* & *children's exposure to violence/abuse accelerates onset* of *maternal menopause*.

Background:

- Established: Exposure to violence/abuse associated with mental and physical health problems, including pace of reproductive aging.
- Established: *Early menopause* (before age 45) is *associated* with *higher risks* of *cardiovascular disease* (*CVD*), *osteoporosis*, lower bone density, & *premature death*.
- Few studies investigate association of violence against women in childhood or intimate partner violence (IPV) – with timing of menopause.
- No studies have included association with children's exposure to violence/abuse.



Exposure to violence/abuse & Maternal Age of Menopause



<u>Data</u>:

- Use data on mothers from Wave I and AHPS, 2015-2017 to measure age at menopause & their exposure to own violence/abuse in childhood & with intimate partners.
- Use data from Add Health Waves I-IV, to measure children's exposure to violence/abuse.

Findings:

- Mother's own childhood physical abuse & her child's sexual abuse both associated with earlier age of menopause.
- Mothers who were physically abused in childhood & have child who experienced regular sexual abuse reached menopause 8.78 years earlier than mothers without a history of personal abuse or abuse of their child.







Cite as: J Gerontol B Psychol Sci Soc Sci, 2021, Vol. 76, No. 9, 1857–1869 https://doi.org/10.1093/geronb/gbab109 Advance Access publication June 17, 2021

OXFORD

Research Article

Adult Children's Educational Attainment and Parent Health in Mid- and Later-Life

Christopher R. Dennison, PhD and Kristen Schultz Lee, PhD*.

Department of Sociology, University at Buffalo, SUNY, USA.



Adult Children's Educ & Parental Health



<u>Objective</u>: Examine *influences* of *adult children's education* on *parents' health & well-being*.

Background:

- Theories of intergenerational influences have focused on effects of parents' education on children's SES and subsequent health.
- Fewer studies of *influence* of *children's educational attainment* on *parents' health & well-being*.
- *Mechanisms* for latter influence include adult children's capacity to provide parents with resources & care which affects parents health.
- Such association is confounded by background characteristics that predict both children's educational attainments and parents' subsequent health.



Adult Children's Educ & Parental Health



Data & Methods:

- Use data from AHPS, 2015-2017, to measure parents' self-reported health statuses & from family roster to measure their children's educational attainment and other SES factors.
- Use propensity score methods to adjust children's educational attainment for confounders that are sources of selection bias.

Findings:

- Having no children who completed college is negatively associated with parents' self-rated health & positively associated with depressive symptoms.
- Adjusting for potential confounders, associations remain, though magnitudes are attenuated.
- Association of children's education with parents' depressive symptoms more robust than with parents' self-reported health.







Original Article

Grandparents' Support to Young Families: Variations by Adult Children's Union Status[†]

Teresa M. Cooney 🔀



Grandparent's Support Children's Union Status



<u>Objective</u>: Investigates whether grandparents' support to their children's families & offspring varies by child's union status – single, cohabiting, or married.

Background:

- More young families today headed by unmarried parents due to increases in nonmarital childbearing, cohabitation & divorce,
- Latter families have fewer resources than married-couple families.
- Grandparents can provide an important safety net to families in need.
- Less is known about whether their support varies based on their adult children's union status.



Grandparent's Support Children's Union Status



<u>Data</u>:

 Use data from AHPS 2015–2017 on parents' instrumental & financial support to grandchildren children, among those with adult children, ages 40+, who themselves have children (as reported by parents in family roster).

Findings:

- Grandparents more likely to provide instrumental & financial assistance to cohabiting & single children than married children.
- Cohabiting female children receive more hours of instrumental help from grandparents than married females.
- **Single** & **cohabiting children** receive **more financial assistance** than married children.
- Overall, it appears nontraditional families now receive more extended-family support than in past.





- Addition of Health data by linking of Medicare & Medicaid Admin Data.
- Addition of contextual data via permissions to link housing-related data.
 - Potential to link "Zillow"-type data on current and past housing locations for W1Ps.
 - Possibility of linking individual/household-level admin records from data sources.
- Further Data collection (Phase 2) in planning stage:
 - Conduct AD/ADRD Cognitive Tests on AHPS Phase 1 W1Ps & bio-S/Ps comparable to those being collected in Add Health Wave VI on AHSMs
 - Collect DNA on AHPS Phase 1 W1Ps and bio-S/Ps
 - Collect Survey, FHHs & Above Data data on additional Minority W1Ps & bio-S/Ps.
- Stay tuned! Let us know about your interests!



Getting the Data & Other Questions



- AHPS Parents (2015-2017) data available through a Restricted-Use Data Contract:
 - Apply for the above data, as well as the AHPS Parents Phase 1 & Add Health data, through the <u>CPC Data Portal</u>.
- Public release version (more limited sample) available in ICPSR & Dataverse.
- To keep informed about data releases sign up for the Add Health list serve by emailing addhealth@unc.edu.
- **Other questions** about Study, contract us at:

v.joseph.hotz@duke.edu kathie_harris@unc.edu