

## **HwaJung Choi, PhD**

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### **Education**

03/1993-02/1997 BA, Economics, Ewha Woman's University, Seoul, Republic of Korea  
03/1997-02/1999 MA, Economics, Ewha Woman's University, Seoul, Republic of Korea  
09/2002-04/2008 PhD, Economics, University of Michigan, Ann Arbor, Michigan, USA

### **Additional Training**

12/2013 Summer Applied Econometrics Courses, ESTIMATE, Michigan State University, East Lansing, Michigan  
05/2014 Participation in the American Community Survey Workshop, Population Association of America, Boston, Massachusetts  
07/2016 Demography, Economics, Psychology, and Epidemiology of Aging, RAND Corporation, Santa Monica, CA  
01/2017- Scholar at the Michigan Alzheimer's Disease Core Center (MADCC), Ann Arbor

### **Academic Appointments/Research Positions**

08/2008 - 08/2012 Research Analyst in Internal Medicine - General Medicine, University of Michigan, Ann Arbor, MI  
09/2012 - 08/2016 Research Investigator in Internal Medicine - General Medicine, University of Michigan, Ann Arbor, MI  
09/2014- present Research Faculty, Michigan Center on the Demography of Aging, University of Michigan, Ann Arbor, MI  
09/2016 - 08/2017 Assistant Research Scientist in Internal Medicine - General Medicine, University of Michigan, Ann Arbor, MI  
09/2017 - present Research Assistant Professor in Internal Medicine - General Medicine, University of Michigan, Ann Arbor, MI  
06/2018 - present Faculty Associate, Survey Research Center (SRC), Institute for Social Research (ISR), Ann Arbor, MI  
09/2018-present Honorary Senior Research Associate, University College London, London, UK

### **Research Interests**

- Aging and Disability
- Cognitive limitations among Older Adults
- Family Care Availability and Its Influence on Care Utilization and Costs
- Family Migration and Spatial Proximity
- Spatial Context of Health Disparities
- Health and Retirement

## **Grants**

### **Current Grants**

*K01AG057820: Assessing the Influence of Family Care Resources on Care Utilization and Transitions for Older Adults with Dementia*

NIH/NIA

Role: PI

09/2018-04/2023. \$584,886

*P30AG059300-01: Michigan Center for Contextual Factors in Alzheimer's Disease (MCCFAD)*

NIH/NIA

Role: Co-I (PI: Ajrouch)

09/2018-06/2023. \$3,480,980

*R21AG054818: Health Differences at Older Ages between US and England – Role of Local Contextual Factors*

NIH/NIA

Role: PI

09/2017-05/2019. \$428,649

*R21HD087881: Family Demography and Migration: Consequences for Health and Well-being*

NIH/Eunice Kennedy Shriver National Institute of Child Health and Human Development – PAF06960

Role: PI

04/2016-03/2019. \$426,250

*P01AG029409: Economic Status, Health, and Wellbeing over the Life Course Across Generations* NIH/NIA-12-PAF04308

Role: Co-I (PI: Freedman)

12/2015-11/2018. \$1,447,669

### **Past Grants**

*IIR 12-412: Technologically Enhanced Coaching (TEC): A Program for Improving Diabetes Outcomes (VA IPA agreement to fund effort) VA HSR&D- 17-PAF07655*

Role: Co-I (PI: Heisler)

06/2017-01/2018. \$30,452

*Investigating Patient-Centered Interventions to Reduce Asthma-Related Pediatric Hospitalizations*

Emergency Medicine Foundation- 15-PAF04397

Role: Co-I (PI: Abir)

07/2015-06/2017. \$100,000

*Hearing Aid Receipts by Geographical, Socioeconomic Status, and Health Literacy*

Claude D. Pepper Older Americans Independence Center

Role: Co-I (PI: McKee)

06/2015-05/2016. \$30,000

*Health and Socioeconomic Status of Early Retirees: Patterns, Differentials, and Trends*

Alfred P. Sloan Foundation

Role: PI (Co-PI: Schoeni)

01/2014-07/2016. \$74,444

*Do Extended Family Linkages Reduce Retirement Wealth and Consumption?*

Univ. of MI Retirement Research Center 2013-2018

Role: Co-I (PI: Schoeni)

09/2013-09/2014. \$100,000

### **Honors and Awards**

2002-2007	Fulbright Scholarship
2006	Moore Dissertation Prize

### **Memberships in Professional Societies**

2007-present	Member, Population Association of America
2016-present	Member, UM Institute for Healthcare Policy & Innovation
2018-present	Member, The Gerontological Society of America

### **Editorial Positions, Boards, and Peer-Review Service**

#### **Journal Reviewer**

2010	Archives of Internal Medicine
2012-2014	Chronic Illness
2012	Southern Economic Journal
2012	World Development
2013-2014	American Journal of Public Health
2013-2018	Social Science and Medicine
2013-2018	Journal of Gerontology: Social Sciences
2015-2017	Demography
2016	Journal of Public Health

### **Teaching Activity**

09/2004 - 05/2007	Graduate Student Instructor, Introduction to Economics, Dept. of Economics, University of Michigan
08/2008 – 06/2016	Research Training for RWJ CSP scholars, University of Michigan
09/2016 – 04/2018	Mentoring the Undergraduate Research Opportunity Program (UROP) Students
09/2017 - 04/2018	Independent Study (INTMED 499)
08/2017 – 08/2018	Training a Visiting Scholar – Alice Milivinti, PhD Candidate, Univ. of Geneva
07/2016 – present	Research Training for NCSP/IHPI scholars, University of Michigan

## **Committee and Administrative Services**

- 2011 16th Society of Labor Economists, Vancouver, British Columbia, Canada, Session Chair for Child Development
- 2011 8th World Congress on Health Economics, Toronto, Ontario, Canada, Session Chair for Assessing the Effect of Aging
- 2012 European Conference on Health Economics, Zurich, Switzerland, Session Chair for the Effect of Aging

## **Extramural Invited Presentations**

1. "Intergenerational Health Implications in the Labor Market - Exploring Parent's Health and Child's Subsequent Labor Outcomes in Russia", Population Association of America, March 2007, New York, New York
2. "Health Impact on Future Labor Market Outcomes", Society of Labor Economists, April 2007, Chicago, IL
3. "Health Economic Status and Intergenerational, Geographic Proximity", Population Association of America, April 2009, Detroit, MI
4. "Health, Economic Status and Intergenerational, Geographic Proximity", Society of Labor Economists, May 2009, Boston, MA
5. "Parental Health and Adult Daughter's Future Labor Force Participation", Panel Study of Income Dynamics-Child Development Supplement On-Campus Seminar Series (ISR), November 2009, Ann Arbor, MI
6. "Parental Health and Adult Daughter's Future Labor Force Participation", Society of Labor Economists, April 2011, Vancouver, British Columbia, Canada
7. "Health, Economic Status and Intergenerational, Geographic Proximity", Transforming Health and Economics, 8th World Congress on Health Economics, July 2011, Toronto, Ontario, Canada
8. "Health Economic Status and Intergenerational, Geographic Proximity", European Population Conference, July 2012, Stockholm, Sweden
9. "Health Economic Status and Intergenerational, Geographic Proximity", European Conference on Health Economics, July 2012, Zurich, Switzerland
10. "Changes in Residential Proximity between Older Adults and Their Children in Response to Cardiovascular Events", 27th International Union for the Scientific Study of Population (IUSSP) International Population Conference, August 2013, Busan, Rep. of Korea
11. "Are Individuals Living in More Equal Countries Healthier Than Individuals Living in More Unequal Countries?: A Propensity Score Matching Approach", Health and Well-being, American Sociological Association, August 2015, Chicago, IL
12. Spatial Proximity of Adults to Their Mothers in the United States, New Directions in the Study of Intergenerational Transfers and Time Use in Later Life, University of Michigan, June 2016, Ann Arbor, MI
13. "Trends in the Prevalence and Disparity in Cognitive Limitations of Americans 55-69 Years Old", Division of Behavioral and Social Research, NIA, May 2017, Bethesda, MD

14. Life-course Trajectory of Proximity to Mother in the United States: Overall Patterns and Racial Differences, Population Association of America, April 2018, Denver, CO
15. Trends in Cognitive Functioning at Retirement Ages in the US, Michigan Alzheimer's Disease Core Center, May 2018, Detroit, MI

## **Seminars**

1. "Health Impact on Future Labor Market Outcomes", Panel Study of Income Dynamics-Child Development Supplement On-Campus (ISR), November 2005, Ann Arbor, MI
2. "Intergenerational Health Implications in the Labor Market - Exploring Parent's Health and Child's Subsequent Labor Outcomes in Russia", New Economic School, January 2008, Moscow, Russia
3. "Health Economic Status, and Intergenerational, Geographic Proximity", Panel Study of Income Dynamics-Child Development Supplement On-Campus Seminar Series (ISR), November 2008, Ann Arbor, MI
4. "Health Impact on Future Labor Market Outcomes", Economics Seminar, Union College, March 2010, Schenectady, NY
5. "Health Economic Status, and Intergenerational, Geographic Proximity", HRS and PSID Workshop on Spatial Distance between Family Members (ISR), September 2010, Ann Arbor, MI
6. "Parental Health and Adult Daughter's Future Labor Force Participation", Conference on SES and Health across Generations and Over the Life Course (ISR), September 2010, Ann Arbor, MI
7. "Health, Economic Status, and Intergenerational, Geographic Proximity", Robert Wood Johnson Foundation CSP Noon Seminar, October 2011, Ann Arbor, MI
8. "Recent trends in Functional and Activity Limitations among Americans Ages 55-69: 1998-2012", TRENDS Network Meeting: Evaluating trends in old-age disability (Institute for Social Research), May 2015, Ann Arbor, MI
9. Liquidity Constraints, the Extended Family, and Consumption, Panel Study of Income Dynamics, September 2015, Institute for Social Research, Ann Arbor
10. Spatial Proximity of Family Networks in the United States - Implications for Healthcare and Wellbeing, General Medicine, University of Michigan, May 2017, Ann Arbor
11. Life-course Trajectory of Intergenerational Spatial Proximity in the United States, Panel Study of Income Dynamics, September 2017, Ann Arbor, MI

## **Bibliography**

### **Peer-Reviewed Journals and Publications**

1. Yang D, Choi H: Are Remittances Insurance? *World Bank Economic Review* 21: 219-248, 2007.
2. Volk ML, Choi H, Warren GJ, Sonnenday CJ, Marrero JA, Heisler M: Geographic variation in organ availability is responsible for disparities in liver transplantation between Hispanics and Caucasians. *Am. J. Transplant.* 9(9): 2113-2118, 2009. PM19624565
3. Heisler M, Choi H, Rosen AB, Vijan S, Kabeto M, Langa KM, Piette JD: Hospitalizations and deaths among adults with cardiovascular disease who underuse medications because of cost: A longitudinal analysis. *Med Care* 48(2): 87-94, 2010. PM20068489
4. Rosland AM, Heisler M, Choi H, Silveira MJ, Piette JD: Family influences on self-management among functionally independent adults with diabetes or heart failure: Do family members hinder as much as they help? *Chronic Illn* 6(1): 22-33, 2010. PM20308348

5. Rosland AM, Piette JD, Choi H, Heisler M: Family and friend participation in primary care visits of patients with diabetes or heart failure: Patient and physician determinants and experiences. *Med Care* 49(1): 37-45, 2011. PM21102357
6. Sussman JB, Vijan S, Choi H, Hayward RA: Individual and population benefits of daily aspirin therapy a proposal for personalizing national guidelines. *Circ Cardiovasc Qual Outcomes* 4(3): 268-275, 2011. PM21487091
7. Padela AI, Rasheed S, Warren GJ, Choi H, Mathur AK: Factors associated with positive attitudes toward organ donation in Arab Americans. *Clin Transplant* 25(5): 800-808, 2011. PM21175847
8. DeCamp LR, Choi H, Davis MM: Medical home disparities for Latino children by parental language of interview. *J Health Care Poor Underserved* 22(4): 1151-1166, 2011. PM22080700
9. Choi H: Parents' health and adult children's subsequent working status: A perspective of intergenerational transfer and time allocation. *Journal of Family and Economic Issues* 32 (3): 493-507, 2011
10. Abir M, Choi H, Cooke CR, Wang SC, Davis MM: Effect of a mass casualty incident: Clinical outcomes and hospital charges for casualty patients versus concurrent inpatients. *Acad Emerg Med* 19(3): 280-286, 2012. PM22435860
11. Patrick SW, Choi H, Davis MM: Increase in federal match associated with significant gains in coverage for children through Medicaid and CHIP. *Health Aff (Millwood)* 31(8): 1796-1802, 2012. PM22869658
12. Zulman DM, Rosland AM, Choi H, Langa KM, Heisler M: The influence of diabetes psychosocial attributes and self-management practices on change in diabetes status. *Patient Educ Couns* 87(1): 74-80, 2012. PM21840149
13. Sekaran NK, Choi H, Hayward RA, Langa KM: Fall-associated difficulty with activities of daily living in functionally independent individuals aged 65 to 69 in the United States: A cohort study. *J Am Geriatr Soc* 61(1): 96-100, 2013. PM23311555
14. Heisler M, Halasyamani L, Cowen ME, Davis MD, Resnicow K, Strawderman RL, Choi H, Mase R, Piette JD: Randomized controlled effectiveness trial of reciprocal peer support in heart failure. *Circ Heart Fail* 6(2): 246-253, 2013. PM23388114
15. Sharp AL, Choi H, Hayward RA: Don't get sick on the weekend: An evaluation of the weekend effect on mortality for patients visiting US EDs. *Am J Emerg Med* 31(5): 835-837, 2013. PM23465873
16. Chang T, Choi H, Richardson CR, Davis MM: Implications of teen birth for overweight and obesity in adulthood. *Am. J. Obstet. Gynecol.* 209(2): 110.e1-110.e7, 2013. PM23587742
17. Teo AR, Choi H, Valenstein M: Social Relationships and Depression: Ten-Year Follow-Up from a Nationally Representative Study. *PLOS ONE* 8(4): DOI: 10.1371/journal.pone.0062396, 2013. PM23646128
18. Piette JD, Resnicow K, Choi H, Heisler M: A diabetes peer support intervention that improved glycemic control: Mediators and moderators of intervention effectiveness. *Chronic Illn* 9(4): 258-267, 2013. PM23585636
19. Heisler M, Choi H, Piette JD, Rosland A, Langa KM, Brown S: Adults with cardiovascular disease who help others: A prospective study of health outcomes. *J Behav Med* 36(2): 199-211, 2013. PM22481214
20. Heisler M, Choi H, Palmisano G, Mase R, Richardson C, Fagerlin A, Montori VM, Spencer M, An LC: Comparison of community health worker-led diabetes medication decision-making support

for low-income Latino and African american adults with diabetes using E-health tools versus print materials. *Ann. Intern. Med.* 161: S13-S22, 2014. PM25402398

21. Mase R, Halasyamani L, [Choi H](#), Heisler M: Who Signs Up for and Engages in a Peer Support Heart Failure Self-management Intervention. *The Journal of Cardiovascular Nursing* 30: 181-273, 2014. PMC4276558 (Available on 2015-12-24)
22. Tipirneni R, [Choi H](#), Davis M: Electronic Resource Use and Primary Care Capacity as Insurance Coverage Expands. *Annals of General Internal Medicine* 29: S84-S84, 2014
23. Moniz MH, Chang T, [Choi H](#), Davis MM: Obesity prevalence among reproductive-aged women by number of live births: United States 2001-2010. *Obstetrics and Gynecology* doi: 10.1097/01.AOG.0000447155.0: online, 2014.
24. [Choi H](#), Schoeni R, Langa K, Heisler M: Older Adults' Residential Proximity to Their Children: Changes After Cardiovascular Events. *Journal of Gerontology B: Psychology Sciences and Social Sciences* 70 (6): 995-1004, 2015
25. [Choi H](#), Schoeni RF, Langa K, Heisler MM: Spouse and Child Availability for Newly Disabled Older Adults: Socioeconomic Differences and Potential Role of Residential Proximity. *Journal of Gerontology B: Psychology Sciences and Social Sciences* 70: 462-469, 2015
26. Schoenfeld AJ, Reamer EN, Wynkoop E, [Choi H](#), Bono C: Does Patient Sex Affect the Rate of Mortality and Complications After Spine Surgery? A Systematic Review. *Clinical Orthopedics and Related Research* 473 (8): 2479-2486, 2015
27. DeCamp LR, [Choi H](#), Fuentes-Afflick E, Sastry N: Immigrant Latino Neighborhoods and Mortality Among Infants Born to Mexican-Origin Latina Women. *Maternal and Child Health Journal* 6: 1354-63, 2015
28. Shah M, Kieffer E, [Choi H](#), Schumann C, Heisler M: Mediators and Moderators of the Effectiveness of a Community Health Worker Intervention that Improved Dietary Outcomes in Pregnant Latina Women. *Health Education & Behavior* doi: 10.1177/1090198114568307: online, 2015.
29. [Choi H](#), Burgard S, Elo IT, Heisler M: Are older adults' living in more equal counties healthier than older adults' living in more unequal counties? A propensity score matching approach. *Social Science & Medicine* 141:82-90, 2015. doi: 10.1016/j.socscimed.2015.07.020
30. Teo AR, [Choi H](#), Andrea SB, Valenstein M, Newsom JT, Dobscha SK, Zivin K: Does Mode of Contact with Different Types of Social Relationships Predict Depression Among Older Adults? *Journal of the American Geriatrics Society* 63 (10): 2014-2022, 2015
31. Lagisetty P, Wen M, [Choi H](#), Heisler M, Kanaya A, Kandula N: Neighborhood social cohesion and prevalence of hypertension and diabetes in south Asian population. *Journal of Immigrant and Minority Health* 18: 1309, 2016
32. Kan K, [Choi H](#), Davis M: Immigrant families, children with special health care needs, and the medical home. *Pediatrics*, 137(1): e20153221-e20153221, 2015
33. Tipirneni R, Rhodes KV, Hayward RA, Lichtenstein RL, [Choi H](#), Reamer EN, and David MM: Primary care appointment availability, wait times, and the importance of non-physician providers during the first year of Medicaid expansion under the affordable care act. *American Journal of Managed Care* 22 (6): 427, 2016
34. [Choi H](#), McGarry M, Schoeni RF: Consumption and the extended family, *Economics Letters* 140: 34-38, 2016

35. Lindau ST, Vickery KD, Choi H, Makelarski J, Matthews A, Davis M: Intersectoral urban health system planning: a community-powered survey to identify economic sectors that could be mobilized as partners in Chicago. *American Journal of Public Health* 106 (10): 1872-1878, 2016
36. Hofer R, Choi H, Mase R, Fagerlin A, Spencer M, Heisler M: Mediators and moderators of improvements in medication adherence: Secondary analysis of a community health worker-led diabetes medication self-management support program. *Health Education & Behavior*, 44 (2): 285-296, 2016
37. Choi H, Schoeni RF, Martin LG: Are functional and activity limitations becoming more prevalent among 55-69 year-olds in the United States? *PLOS ONE* 11(10): <https://doi.org/10.1371/journal.pone.0164565>, 2016
38. Winkelman TNA, Choi H, Davis MM: The affordable care act and previously incarcerated young men: changes in health insurance coverage and health care utilization. *American Journal of Public Health* 107 (5): 807-811, 2017
39. Choi H, Schoeni R: Health of Americans who must work longer to reach social security retirement age, *Health Affairs* 36 (10): 1815-1819, 2017
40. Tepirneni R, Rhodes KV, Hayward RA, Lichtenstein RL, Choi H, Arntson EK, Landgraf JM, Davis MM: Geographic variation in Medicaid acceptance across Michigan primary care practices in the era of the affordable care act. *Medical Care Research and Review* DOI: 10.1177/1077558717697750: in press, 2017
41. Hafez D, Heisler M, Choi H, Ankuda C, Winkelman T, Kullgren J: Association between purpose in life and glucose control among older adults. *Annals of Behavioral Medicine* 52 (4): 309-318, 2018
42. Abir M, Truchil a, Wiest D, Nelson D, Goldstick J, Koegel P, Lozon M, Choi H, Brenner J: Cluster Analysis of Acute Care Utilization Yields Insights for Tailored Pediatric Asthma Interventions. *Annals of Emergency Medicine* 70 (3): 288-299, 2017
43. Bell SA, Abir M, Choi H, Cooke C, Iwashyna T: All-Cause Hospital Admissions among Older Adults after a Natural Disaster. *Annals of Emergency Medicine* 71 (6): 746-754, 2018
44. Hafez D, Heisler M, Choi H, Ankuda C, Winkelman T, Kullgren J: Association between purpose in life and glucose control among older adults. *Ann Behav Med* 52 (4): 309-318, 2018
45. Choi H, Schoeni RF, Martin LG, Langa KM: Trend in the Prevalence and Disparity in Cognitive Limitations of Americans 55-69 years old. *J Gerontol B Psychol Sci Soc Sci* 73 (1) S29-S37, 2018
46. Kaselitz E, Shah M, Choi H, Heisler M: Peer characteristics associated with improved glycemic control in a randomized controlled trial of a reciprocal peer support program for diabetes. *Chronic Illness* doi: 10.1177 /1742395317753884, 2018. (In Press) PM29343089 46.
47. Stagg B, Choi H, Woodward M, Ehrlich J: The Impact of Social Support Network Size on the Receipt of Cataract Surgery in Older Adults. *JAMA Ophthalmol*. 2018 (In Press)
48. Caldwell M, Choi H, Levy P, Dalton V, Misra D: Effective Contraception Use by Usual Source of Care – An Opportunity for Prevention Womens Health Issues. 2018 (In Press)
49. Heard-Garris N, Winkelman T, Choi H, Miller A, Kan K, Schlafer R, Davis M: Health Care Use and Health Behaviors among Young Adults with History of Parental Incarceration. *Pediatrics*. 2018 (In Press)
50. McKee M, Choi H, Wilson S, DeJonckheere M, Zazove P, Levy H: Determinants of Hearing Aid Use among Older Americans with Hearing Loss. *Gerontologist*. 2018 (In Press)



51. Stagg B, Ehrlich J, Choi H, Levine D: The Association of Cognitive Impairment and Dementia with Receipt of Cataract Surgery among Community-dwelling US Medicare Beneficiaries. *JAMA Ophthalmology*. 2018 (In Press)
52. Bell SA, Choi H, Langa K, Iwashyna T: Health Risk Behaviors after Disaster Exposure Among Older Adults. *Prehosp Disaster Med*. (In Press)

## Other Media

1. "Older Adults and Their Children Move Closer Together After Health Issues.", Reuters Health, July 9, 2014  
<http://www.reuters.com/article/2014/07/09/us-seniors-family-caregiver-idUSKBN0FE1YP20140709>
2. "The Typical American Lives Only 18 miles from Mother", the New York Times, Dec 24, 2015  
<http://www.nytimes.com/interactive/2015/12/24/upshot/24up-family.html>
3. "Middle-Aged Americans in Worse Shape Than Previous Generations", Healthline Media, Nov 3, 2017  
<https://www.healthline.com/health-news/middle-aged-americans-worseshape-than-previous-generations#1>
4. "Americans Are Retiring Later, Dying Sooner and Sicker In-Between", Bloomberg Business, Oct 23, 2017  
<https://www.bloomberg.com/news/articles/2017-10-23/americans-are-retiring-later-dying-sooner-and-sicker-in-between>
5. "Americans Are Facing Shorter, Sicker Retirements", Oct 25, 2017  
<http://financialadvisoriq.com/c/1775543/205343>, Financial Advisor IQ, 2017.
6. "Younger Boomers Face Health Woes", AARP, Oct 19, 2017  
<https://www.aarp.org/health/conditions-treatments/info-2017/boomers-health-concerns-fd.html>, AARP