

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for
Permanent Record
and the
Appointments and Promotions Committee

Date Prepared: April 18, 2022

(Use continuation pages when necessary.)

Name (complete with degrees): Hanzhang Xu, Ph.D.

Primary academic appointment: Duke University School of Medicine

Primary academic department (not DUAP): Department of Family Medicine and Community Health

Secondary appointment (if any) - (department): Duke University School of Nursing

Present academic rank and title (if any): Assistant Professor

Date and rank of first Duke Faculty appointment: (Aug. 1, 2018) Medical Instructor

Nursing Licensure: North Carolina License # 300015

Date of License (Month/Day/Year): Oct. 04, 2017

Date of birth: ##-##-####

Education:

	<u>Institution</u>	<u>Dates</u> <u>(Year)</u>	<u>Degree(s)</u>	<u>Major/Minor</u>
High School	Nanjing Foreign Language School, P.R. China	2008	Diploma	
College	Southeast University, P.R. China	2013	Bachelor of Medicine	Nursing
Graduate or Professional School	Duke University	2018	PhD	Nursing Science (Gerontology)
Certificate	Duke University	2018		Global Health

Professional training and academic career (chronologically, beginning with first postgraduate position):

<u>Institution</u>	<u>Position/Title</u>	<u>Dates (Year)</u>
Southeast University, School of Medicine and School of Public Health, P.R. China	Research Assistant	2010 – 2013
Southeast University affiliated Zhongda Hospital, P.R. China	Research Nurse	2012 – 2013
Duke University Medical Center, Durham, NC	Research Assistant	2013 – 2018
Duke University Graduate School, Durham, NC	Preparing Future Faculty Fellow	2016 – 2017
Duke University School of Nursing, Durham, NC	Teaching Assistant	2014 – 2018
Duke University School of Medicine, Durham, NC	Medical Instructor	2018 – 2020
Duke University School of Nursing, Durham, NC	Medical Instructor	2018 – 2020
Duke University School of Medicine, Durham, NC	Assistant Professor	2020 – present
Duke University School of Nursing, Durham, NC	Assistant Professor	2020 – present
Duke Center for Health Outcomes and Innovation Research, Durham, NC	Faculty Affiliate	2020 – present
Duke University Center for the Study of Aging and Human Development, Durham, NC	Senior Fellow	2020 – present
Duke Global Health Institute, Durham, NC	Faculty Affiliate	2020 – present
Duke Kunshan University, Suzhou, P.R. China	Adjunct Assistant Professor	2021 – present

Publications:

1. Refereed journals: student authors were underlined

Published

1. **Xu, H.** Association Between Community Residents' Health Knowledge and Health Behaviors in Jiangning District, Nanjing. (2012) *Journal of Jiangsu health care*,14(3), 48-50 (In Chinese).
2. **Xu, H.**, Luo, J., Wu, B. Self-Reported Diabetes Treatment Among Chinese Middle-Aged and Older Adults with Diabetes: Comparison of Urban Residents, Migrants in Urban Settings, and Rural Residents. (2015) *International journal of nursing sciences*, 2(1), 9-14. doi.org/10.1016/j.ijnss.2015.01.005
3. **Xu, H.**, Luo, J., & Wu, B. (2016). Self-reported Diabetes Education among Chinese Middle-aged and Older Adults with Diabetes. *Journal of global health*, 6(2), 020402. <https://doi.org/10.7189/jogh.06.020402>
4. **Xu, H.**, Straughan, P., Pan, W., Zhen, Z., & Wu, B. (2017). Validating a Scale of Health Beliefs in Preventive Health Screenings Among Chinese Older Adults. *Journal of transcultural nursing: official journal of the Transcultural Nursing Society*, 28(5), 464–472. <https://doi.org/10.1177/1043659616661392>

5. Dupre, M. E., Nelson, A., Lynch, S. M., Granger, B. B., **Xu, H.**, Willis, J. M., Curtis, L. H., & Peterson, E. D. (2017). Identifying Nonclinical Factors Associated With 30-Day Readmission in Patients with Cardiovascular Disease: Protocol for an Observational Study. *JMIR research protocols*, 6(6), e118. <https://doi.org/10.2196/resprot.7434>
6. Li, J., **Xu, H.**, Pan, W., & Wu, B. (2017). Association between tooth loss and cognitive decline: A 13-year longitudinal study of Chinese older adults. *PloS one*, 12(2), e0171404. <https://doi.org/10.1371/journal.pone.0171404>
7. Xian, Y., **Xu, H.**, Xu, H., Liang, L., Hernandez, A. F., Wang, T. Y., & Peterson, E. D. (2017). An Initial Evaluation of the Impact of Pokémon GO on Physical Activity. *Journal of the American Heart Association*, 6(5), e005341. <https://doi.org/10.1161/JAHA.116.005341>
8. Dupre, M. E., Nelson, A., Lynch, S. M., Granger, B. B., **Xu, H.**, Churchill, E., Willis, J. M., Curtis, L. H., & Peterson, E. D. (2017). Socioeconomic, Psychosocial and Behavioral Characteristics of Patients Hospitalized With Cardiovascular Disease. *The American journal of the medical sciences*, 354(6), 565–572. <https://doi.org/10.1016/j.amjms.2017.07.011>
9. **Xu, H.**, Zhang, Y., & Wu, B. (2017). Association between Migration and Cognitive Status among Middle-aged and Older Adults: A Systematic Review. *BMC geriatrics*, 17(1), 184. <https://doi.org/10.1186/s12877-017-0585-2>
10. Luo, J., **Xu, H.**, Ye, Z., Zhao, N., & Wu, B. (2017). The Relationship between Self-Treatment and Outpatient Visits: Findings from a National Survey in China. *Journal of geriatric medicine and gerontology*, 3(2):027. <http://doi.org/10.23937/2469-5858/1510027>
11. Dupre, M. E., Gu, D., **Xu, H.**, Willis, J., Curtis, L. H., & Peterson, E. D. (2017). Racial and Ethnic Differences in Trajectories of Hospitalization in US Men and Women With Heart Failure. *Journal of the American Heart Association*, 6(11), e006290. <https://doi.org/10.1161/JAHA.117.006290>
12. **Xu, H.**, Dupre, M. E., Gu, D., & Wu, B. (2017). The Impact of Residential Status on Cognitive Decline among Older Adults in China: Results from A Longitudinal Study. *BMC geriatrics*, 17(1), 107. <https://doi.org/10.1186/s12877-017-0501-9>
13. Zhang, Y., Wu, B., **Xu, H.**, Cheng, R., Cheng, M., & Li, Y. (2017). Association between Self-reported Oral Health and Clinical Examination Outcomes among Older Adults. *Chinese journal of practical stomatology*, 10(10), 621-625 (In Chinese).
14. Dupre, M. E., **Xu, H.**, Granger, B. B., Lynch, S. M., Nelson, A., Churchill, E., Willis, J. M., Curtis, L. H., & Peterson, E. D. (2018). Access to Routine Care and Risks for 30-day Readmission in Patients with Cardiovascular Disease. *American heart journal*, 196, 9–17. <https://doi.org/10.1016/j.ahj.2017.10.001>
15. Liang, Y., Liang, H., Wang, J., **Xu, H.**, & Wu, B. (2018). End-of-Life Care Preference: Examination of Chinese Adults with Children and Those Who Lost Their Only Child. *Journal of palliative medicine*, 21(11), 1596–1603. <https://doi.org/10.1089/jpm.2018.0043>
16. **Xu, H.**, Ostbye, T., Vorderstrasse, A. A., Dupre, M. E., & Wu, B. (2018). Place of Residence and Cognitive Function among the Adult Population in India. *Neuroepidemiology*, 50(3-4), 119–127. <https://doi.org/10.1159/000486596>
17. Wu, B., Petrovsky, D. V., Wang, J., **Xu, H.**, Zhu, Z., McConnell, E. S., & Corrazzini, K. N. (2019). Dementia Caregiver Interventions in Chinese People: A Systematic Review. *Journal of advanced nursing*, 75(3), 528–542. <https://doi.org/10.1111/jan.13865>
18. **Xu, H.**, Vorderstrasse, A. A., McConnell, E. S., Dupre, M. E., Østbye, T., & Wu, B. (2018). Migration and Cognitive Function: A Conceptual Framework for Global Health Research. *Global health research and policy*, 3, 34. <https://doi.org/10.1186/s41256-018-0088-5>

19. **Xu, H.**, Vorderstrasse, A. A., Dupre, M. E., McConnell, E. S., Østbye, T., & Wu, B. (2019). Gender Differences in the Association between Migration and Cognitive Function among Older Adults in China and India. *Archives of gerontology and geriatrics*, *81*, 31–38. <https://doi.org/10.1016/j.archger.2018.11.011>
20. **Xu, H.**, Dupre, M. E., Østbye, T., Vorderstrasse, A. A., & Wu, B. (2019). Residential Mobility and Cognitive Function Among Middle-Aged and Older Adults in China. *Research on aging*, *41*(1), 3–30. <https://doi.org/10.1177/0164027518770780>
21. Kang, B., **Xu, H.**, & McConnell, E. S. (2019). Neurocognitive and Psychiatric Comorbidities of Posttraumatic Stress Disorder among Older Veterans: A Systematic Review. *International journal of geriatric psychiatry*, *34*(4), 522–538. <https://doi.org/10.1002/gps.5055>
22. Dardas, L. A., Woodward, A., Scott, J., **Xu, H.**, & Sawair, F. A. (2019). Measuring the Social Impact of Nursing Research: An Insight into Altmetrics. *Journal of advanced nursing*, *75*(7), 1394–1405. <https://doi.org/10.1111/jan.13921>
23. Wu, B., Zhu, Z., Wang, J., & **Xu, H.** (2019) Caregiving Intervention for Persons with Dementia among Chinese Population: Current Status and Future Direction. *Chinese nursing management*, *19*(2), 172-177. (In Chinese)
24. Dardas, L. A., **Xu, H.**, Shawashreh, A., Franklin, M. S., Wainwright, K., & Pan, W. (2019). Psychometric Properties and Factor Structure of the Center for Epidemiologic Studies Depression Scale in a National Sample of Arab Adolescents. *Issues in mental health nursing*, *40*(5), 437–443. <https://doi.org/10.1080/01612840.2018.1534912>
25. Dardas, L. A., Shoaqirat, N., **Xu, H.**, Al-Khayat, A., Bani Ata, S., Shawashreh, A., & Simmons, L. A. (2019). Comparison of the Performance of the Beck Depression Inventory-II and the Center for Epidemiologic Studies-Depression Scale in Arab Adolescents. *Public health nursing (Boston, Mass.)*, *36*(4), 564–574. <https://doi.org/10.1111/phn.12618>
26. Anderson, R. A., Wang, J., Plassman, B. L., Nye, K., Bunn, M., Poole, P. A., Drake, C., **Xu, H.**, Ni, Z., & Wu, B. (2019). Working Together to Learn New Oral Hygiene Techniques: Pilot of a Carepartner-assisted Intervention for Persons with Cognitive Impairment. *Geriatric nursing (New York, N.Y.)*, *40*(3), 269–276. <https://doi.org/10.1016/j.gerinurse.2018.11.002>
27. Siegel, E. O., Backman, A., Cai, Y., Goodman, C., Ocho, O. N., Wei, S., Wu, B., & **Xu, H.** (2019). Understanding Contextual Differences in Residential LTC Provision for Cross-National Research: Identifying Internationally Relevant CDEs. *Gerontology & geriatric medicine*, *5*, 2333721419840591. <https://doi.org/10.1177/2333721419840591>
28. Farmer, H. R., Wray, L. A., Xian, Y., **Xu, H.**, Pagidipati, N., Peterson, E. D., & Dupre, M. E. (2020). Racial Differences in Elevated C-Reactive Protein Among US Older Adults. *Journal of the American Geriatrics Society*, *68*(2), 362–369. <https://doi.org/10.1111/jgs.16187>
29. Lee, K. H., **Xu, H.**, & Wu, B. (2020). Gender Differences in Quality of Life among Community-dwelling Older Adults in Low- and Middle-income Countries: Results from the Study on global AGEing and adult health (SAGE). *BMC public health*, *20*(1), 114. <https://doi.org/10.1186/s12889-020-8212-0>
30. Li, J., Wang, J., Wu, B., **Xu, H.**, Wu, X., Zhou, L., & Deng, B. (2020). Association Between Early Cognitive Impairment and Midterm Functional Outcomes Among Chinese Acute Ischemic Stroke Patients: A Longitudinal Study. *Frontiers in neurology*, *11*, 20. <https://doi.org/10.3389/fneur.2020.00020>
31. **Xu, H.**, Xian, Y., Woon, F. P., Bettger, J. P., Laskowitz, D. T., Ng, Y. Y., Ong, M., Matchar, D. B., & De Silva, D. A. (2020). Emergency Medical Services Use and Its Association with Acute Ischaemic Stroke Evaluation and Treatment in Singapore. *Stroke and vascular neurology*, *5*(2), 121–127. <https://doi.org/10.1136/svn-2019-000277>

32. Tan, J., **Xu, H.**, Fan, Q., Neely, O., Doma, R., Gundi, R., Shrestha, B., Shrestha, A., Shrestha, S., Karmacharya, B., Gu, W., Østbye, T., & Yan, L. L. (2020). Hypertension Care Coordination and Feasibility of Involving Female Community Health Volunteers in Hypertension Management in Kavre District, Nepal: A Qualitative Study. *Global heart, 15*(1), 73. <https://doi.org/10.5334/gh.872>
33. Wang, J., Corazzini, K. N., McConnell, E. S., Ding, D., **Xu, H.**, Wei, S., & Wu, B. (2021). Living With Cognitive Impairment in China: Exploring Dyadic Experiences Through a Person-Centered Care Lens. *Research on aging, 43*(3-4), 177–187. <https://doi.org/10.1177/0164027520935597>
34. **Xu, H.**, De Silva, D. A., Woon, F. P., Ong, M., Matchar, D. B., Bettger, J. P., Laskowitz, D. T., & Xian, Y. (2021). Changes in Informed Consent Policy and Treatment Delays in Stroke Thrombolysis. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association, 30*(3), 105551. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2020.105551>
35. Wei, J., Hou, R., Xie, L., Chandrasekar, E. K., Lu, H., Wang, T., Li, C., & **Xu, H.** (2021). Sleep, Sedentary Activity, Physical Activity, and Cognitive Function among Older Adults: The National Health and Nutrition Examination Survey, 2011-2014. *Journal of science and medicine in sport, 24*(2), 189–194. <https://doi.org/10.1016/j.jsams.2020.09.013>
36. Kim, J. Y., **Xu, H.**, Cruz, G., Saito, Y., & Østbye, T. (2021). Acceptance of Love and Remarriage Among Older Adults in the Philippines. *Journal of aging and health, 33*(5-6), 331–339. <https://doi.org/10.1177/0898264320981246>
37. Wu, B., Anderson, R. A., Pei, Y., **Xu, H.**, Nye, K., Poole, P., Bunn, M., Lynn Downey, C., & Plassman, B. L. (2021). Care Partner-assisted Intervention to Improve Oral Health for Older Adults with Cognitive Impairment: A Feasibility Study. *Gerodontology, 38*(3), 308–316. <https://doi.org/10.1111/ger.12528>
38. **Xu, H.**, Farmer, H. R., Granger, B. B., Thomas, K. L., Peterson, E. D., & Dupre, M. E. (2021). Perceived Versus Actual Risks of 30-Day Readmission in Patients With Cardiovascular Disease. *Circulation. Cardiovascular quality and outcomes, 14*(1), e006586. <https://doi.org/10.1161/CIRCOUTCOMES.120.006586>
39. **Xu, H.**, Pei, Y., Dupre, M. E., & Wu, B. (2021). Existing Datasets to Study the Impact of Internal Migration on Caregiving Arrangements among Older Adults in China. *Journal of aging & social policy, 1*–20. Advance online publication. <https://doi.org/10.1080/08959420.2021.1926866>
40. Chen, Y., Guo, M., **Xu, H.**, Liu, Z., Barry, L. C., & Wu, C. (2021). Association between Early Life Circumstances and Depressive Symptoms among Chinese Older Adults: Results from China Health and Retirement Longitudinal Study: Early Life Circumstances and Depression. *Journal of affective disorders, 292*, 345–351. <https://doi.org/10.1016/j.jad.2021.05.067>
41. Srivastava, P. K., Zhang, S., Xian, Y., **Xu, H.**, Rutan, C., Alger, H. M., Walchok, J., Williams, J., de Lemos, J. A., Decker-Palmer, M. R., Alhanti, B., Elkind, M., Messé, S. R., Smith, E. E., Schwamm, L. H., & Fonarow, G. C. (2021). Acute Ischemic Stroke in Patients With COVID-19: An Analysis From Get With The Guidelines-Stroke. *Stroke, 52*(5), 1826–1829. <https://doi.org/10.1161/STROKEAHA.121.034301>
42. Guo, M., Li, M., **Xu, H.**, Stensland, M., Wu, B., & Dong, X. (2021). Age at Migration and Cognitive Health Among Chinese Older Immigrants in the United States. *Journal of aging and health, 33*(9), 709–720. <https://doi.org/10.1177/08982643211006612>
43. Liang, Y., **Xu, H.**, Chen, F., Liang, H., & Wu, B. (2021). Which Wound Cuts Deeper: Loss of an Only Child or Loss of a Spouse? An Examination of Bereavement in Older Adults within a Chinese Cultural Context. *Aging & mental health, 1*–9. Advance online publication. <https://doi.org/10.1080/13607863.2021.1913473>

44. Srivastava, P. K., Zhang, S., Xian, Y., **Xu, H.**, Rutan, C., Alger, H. M., Walchok, J. G., Williams, J. H., de Lemos, J. A., Decker-Palmer, M. R., Alhanti, B., Elkind, M., Messé, S. R., Smith, E. E., Schwamm, L. H., & Fonarow, G. C. (2021). Treatment and Outcomes of Patients With Ischemic Stroke During COVID-19: An Analysis From Get With The Guidelines-Stroke. *Stroke*, STROKEAHA120034414. Advance online publication. <https://doi.org/10.1161/STROKEAHA.120.034414>
45. Dupre, M. E., Farmer, H. R., **Xu, H.**, Navar, A. M., Nanna, M. G., George, L. K., & Peterson, E. D. (2021). The Cumulative Impact of Chronic Stressors on Risks for Myocardial Infarction in U.S. Older Adults. *Psychosomatic medicine*, 10.1097/PSY.0000000000000976. Advance online publication. <https://doi.org/10.1097/PSY.0000000000000976>
46. Wei, J., Ali, M. K., Wang, T., & **Xu, H.** (2021). Abdominal Aortic Calcification and Cognitive Function among Older Adults: Cross-sectional Analysis of National Health and Nutrition Examination Survey, 2013-2014. *International journal of geriatric psychiatry*, 10.1002/gps.5599. Advance online publication. <https://doi.org/10.1002/gps.5599>
47. Huggins, L.K., Min, S., Dennis, C., Ostbye, T., Johnson, K.S., & **Xu, H.** (2021) Interventions to Promote Dementia Knowledge Among Racial/Ethnic Minority Groups: A Systematic Review. *Journal of the American geriatrics society*. 1-13. doi:10.1111/jgs.17495
48. Gong, E., Sun, L., Long, Q., **Xu, H.**, Gu, W., Bettger, J. P., Tan, J., Ma, J., Jafar, T. H., Oldenburg, B., & Yan, L. L. (2021). The Implementation of a Primary Care-Based Integrated Mobile Health Intervention for Stroke Management in Rural China: Mixed-Methods Process Evaluation. *Frontiers in public health*, 9, 774907. <https://doi.org/10.3389/fpubh.2021.774907>
49. Guo, M., Wang, Y., **Xu, H.**, Li, M., Wu, B., & Dong, X. (2021). Is living in an ethnic enclave associated with cognitive function? Results from The Population Study of Chinese Elderly (PINE) in Chicago. *The Gerontologist*, gnab158. Advance online publication. <https://doi.org/10.1093/geront/gnab158>
50. Wei, J., Lu, Y., Goodman, M., Wang, T., & **Xu, H.** (2022) The Associations of Late-life Depression with All-cause and Cardiovascular Mortality: The NHANES 2005-2014. *Journal of affective disorders*, 300, 189-194. <https://doi.org/10.1016/j.jad.2021.12.104>

In press

1. Wei, J., Wang, L., Kulshreshtha, A., & **Xu, H.** Adherence to Life's Simple 7 and Cognitive Function among Older Adults: The National Health and Nutrition Examination Survey 2011-2014 (Journal of American Heart Association)
2. **Xu, H.**, Granger, B.B., Drake, C.D., Peterson, E.D., & Dupre, M.E. The Effectiveness of Telemedicine Visits in Reducing 30-Day Readmissions among Heart Failure Patients During the COVID-19 Pandemic (Journal of American Heart Association)

Under review

1. McCarthy, M.M., **Xu, H.**, & Wu, B. Physical Inactivity in Older Adults: A Secondary Analysis of the Study on Global Ageing and Adult Health (SAGE). (Under review at the Journal of Nursing Scholarship)
2. Farmer, H.R., **Xu, H.**, Granger, B.B., Thomas, K.L., & Dupre, M.E. Factors Associated with Racial Disparities in 30-Day Readmission in Adults with Cardiovascular Disease. (Under review at BMJ Open)
3. Liu, Z., Sun, W., Chen, H., Zhuang, J., Wu, B., **Xu, H.**, Li, P., Chen, X., Li, J., & Yin, Y. A Study on the Family Caregivers' Burden of Dementia Patients in Chinese Community. (Under review at BMJ Open)

4. Byrd, J., Daniels, C., Flores, D., Kayle, M., Lewinski, A., Smith, J., **Xu, H.**, & Tanabe, P. Beyond Calls for Action: Concrete Steps Toward Racial Equity and Inclusion in Nursing Research. (Under review at Nursing Outlook)
5. Avorgbedor, F., McCoy, T.P., Gondwe, K.W., **Xu, H.**, Spielfogel, E.S, Cortes, Y.I., Vilme, H., and Lacey, J.V. Emergency Department Visits and Hospitalization in Women with Prior History of Hypertensive Disorders of Pregnancy in the California Teachers Study (Under review at Journal of Hypertension)

2. Books: (Indicate authors or editor.) None.

3. Chapters in books:

1. Farmer, H. R., **Xu, H.**, & Dupre, M. E. Self-efficacy. (Entry in the Encyclopedia of Gerontology and Population Aging)
2. **Xu, H.**, Dupre, M. E., & Burke, J.R. Subjective Cognitive Decline. (Entry in the Encyclopedia of Gerontology and Population Aging)

4. Selected abstracts:

1. Corazzini, K. N., Befus, D., Lee, K. H., Song, Y., McConnell, E. S., **Xu, H.**, Zhang, Y., Maselko, J., Østbye, T., & Wu, B. Mixed Methods for Global Health Research: Systematic Literature Review and Application to The Study of Care of Older Adults. Poster presentation at the Clipp Symposium on Trajectory Science, Durham, NC (2013)
2. **Xu, H.**, Luo, J., & Wu, B. Diabetes Preventive Cares and Risk Factors Among Chinese Elderly with Diabetes. Poster presentation at the 2nd US-SINO. Durham, NC (2014)
3. **Xu, H.**, Luo, J., & Wu, B. Self-Reported Diabetes Treatment Among Chinese Middle-Aged and Older Adults with Diabetes: Comparison of Urban Residents, Rural-to-Urban Migrants, and Rural Residents, Poster presentation at the State of the Science Congress on Nursing Research. Washington, DC (2014)
4. **Xu, H.**, Luo, J., & Wu, B. Self-Reported Diabetes Education Among Chinese Middle-Aged and Older Adults with Diabetes: Comparison of Urban Residents, Migrants in Urban Settings, and Rural Residents. Oral poster presentation at the Southern Nursing Research Society 29th Annual Conference. Tampa, FL (2015)
5. **Xu, H.**, Zhen, Z., Feng, Q., Straughan, P., & Wu, B. Education, Health Beliefs, and Regular Check-Ups Among Older Adults in China. Oral presentation at the 2015 International Council of Nursing Conference, Seoul, South Korea (2015)
6. **Xu, H.**, Pan, W., Straughan, P., & Wu, B. Validating A Measure of Beliefs in Health Prevention Screenings Among Chinese Old Adults. Oral presentation at the Sigma Theta Tau International's 26th International Nursing Research Congress, San Juan, Puerto Rico (2015)
7. Zhang, Y., **Xu, H.**, Wu, B. Social Stratification, Oral Hygiene Behavior and Oral Health Status Among Older Adults in China. Oral presentation at the Gerontological Society of America's 68th Annual Scientific Meeting, Orlando, Florida (2015)
8. **Xu, H.**, & Wu, B. Changes of Cognitive Function among Chinese Older Adults: The Impact of Migration. Oral presentation at the Gerontological Society of America's 68th Annual Scientific Meeting, Orlando, Florida (2015)
9. **Xu, H.**, Zhen, Z., Feng, Q., Straughan, P., & Wu, B. Social Stratification, Health Beliefs and Regular Check-Ups Among Older Adults in China. Oral presentation at the Sigma Theta Tau International's 27th International Nursing Research Congress, Cape Town, South Africa (2016)
10. Wu, B., **Xu, H.**, Song, Y., Wang, J., Corazzini, K. N., Østbye, T., & McConnell, E. S., Dementia Caregiver Interventions in Chinese Population: A Systematic Review. Poster presentation at the Alzheimer's Association International Conference 2016, Toronto, Canada (2016)

11. Wang, J., **Xu, H.**, McConnell, E.S., Corazzini, K.N., & Wu, B. Living with Cognitive Impairment: Perspectives from Older Adults and their Caregivers. Oral presentation at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, Louisiana (2016)
12. Li, J., **Xu, H.**, Pan, W., & Wu, B. Association between Tooth loss and Cognitive Decline: A 13-year Longitudinal Study of Chinese Older Adults. Oral presentation at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, Louisiana (2016)
13. **Xu, H.**, Pan, W., Straughan, P., & Wu, B. Psychometric Properties of A Measure of Beliefs in Health Prevention Screenings Among Chinese Old Adults. Oral presentation at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, Louisiana (2016)
14. **Xu, H.**, Lee, K.H., & Wu, B. Edentulism and Cognitive Function Among Middle-Aged and Older Adults: A Cross-national Study. Oral presentation at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, Louisiana (2016)
15. **Xu, H.**, Zhang, Y., & Wu, B. Association Between Migration and Cognitive Status: A Systematic Review. Oral presentation at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, Louisiana (2016)
16. **Xu, H.**, Xian, Y., Xu, H., Liang, Li., Hernandez, A.F., Wang, T.Y., & Peterson, E.D. Does Pokemon Go Help Players be More Active? An Evaluation of Pokemon Go and Physical Activity. Plenary presentation at 2017 American Heart Association Epidemiology, Lifestyle, and Cardiometabolic Health Conference, Portland, Oregon (2017)
17. Wu, B., Plassman, B.L., **Xu, H.**, Nye, K., & Anderson, R.A. Developing a Care Partner-Assisted Intervention to Improve Oral Health for Persons with Mild Dementia. Poster presentation at Alzheimer's Association International Conference 2017, London, United Kingdom (2017)
18. Lee, K.H., **Xu, H.**, & Wu, B. Factors Influencing Quality of Life among Older Adults in Low and Middle-Income Countries. Oral presentation at 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, California (2017)
19. Ni, Z., **Xu, H.**, & Wu, B. Disparities in Prevalence of Hypertension across different populations in China: The Role of Migration. Oral presentation at 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, California (2017)
20. **Xu, H.**, Dupre, M.E., Østbye, T., Vorderstrasse, A.A., & Wu, B. Association Between Migration and Cognitive Function Among Older Adults in China. Oral presentation at 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, California (2017)
21. Ge, S., **Xu, H.**, Zhang, W., & Wu, B. Does Oral Health Predict Cognitive Decline among Older Adults: the Health and Retirement Study. Poster presentation at Sigma Theta Tau International's 28th International Nursing Research Congress, Dublin, Ireland (2017)
22. Dupre, M.E., **Xu, H.**, Granger, B.B., Lynch, S.M., Nelson, A., Churchill, E., Willis, J.M., Curtis, H.L., & Peterson, E.D. Access to Routine Care and Risks for 30-Day Readmission in Patients with Cardiovascular Disease. Poster presentation at American Heart Association Scientific Session 2017, Anaheim, California (2017)
23. **Xu, H.**, Dupre, M.E., Granger, B.B., Curtis, H.L., & Peterson, E.D. Self-reported Health Status and 30-Day Hospital Readmission in Cardiovascular Disease. Poster presentation at American Heart Association Scientific Session 2017, Anaheim, California (2017)
24. **Xu, H.**, Østbye, T., Vorderstrasse, A.A., Dupre, M.E., & Wu, B. Place of Residence and Cognitive Function Among the Adult Population in India. Oral poster presentation at 2018 Annual CUGH Global Health Conference, New York, New York (2018)
25. Kang, B., **Xu, H.**, & McConnell, E. S. Neurocognitive and Psychiatric Comorbidities of Posttraumatic Stress Disorder Among Older Veterans. Poster presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)

26. McCarthy, M.M., **Xu, H.**, & Wu, B. Physical Activity in Older Adults in China and India. Oral presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)
27. Petrovsky, D.V., **Xu, H.**, & Wu, B. The Relationship between Perceived Stress, Sleep Patterns and Cognition among Older Adults in China and India. Oral presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)
28. **Xu, H.**, Østbye, T., Vorderstrasse, A.A., McConnell, E.S., Dupre, M.E., & Wu, B. Gender Differences in the Association Between Migration and Cognition: a Cross-Country Comparison. Oral presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)
29. Wang, J., Corazzini, K.N., **Xu, H.**, Wei, S., McConnell, E.S., Ding, D., & Wu, B. Living With Cognitive Impairment in China: Exploring Dyadic Experiences Through a Person-Centered Care Lens. Oral presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)
30. Wu, B., Petrovsky, D.V., Wang, J., **Xu, H.**, Zhu, Z., McConnell, E.S., & Corazzini, K.N. Interventions in Chinese Population: A Systematic Review. Oral presentation at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, Massachusetts (2018)
31. **Xu, H.**, Xian, Y., Woon, F.P., Bettger, J.P., Laskowitz, D.T., Ng, Y.Y., Ong, M.E.H., Matchar, D.B., & De Silva, D.A. Emergency Medical Services Use and Its Association with Acute Ischemic Stroke Evaluation and Treatment in Singapore. Poster presentation at the 5th European Stroke Organisation Conference, Milan, Italy (2019)
32. Then, L.Y.Y., **Xu, H.**, Woon, F.P., Ng, W.M., Ong, M.E.H., Bettger, J.P., Laskowitz, D.T., Matchar, D.B., De Silva, D.A., & Xian, Y. Six Minutes Saved from Door-To-Needle Time for Stroke Thrombolysis Ensuing from A Change of Informed Consent Policy in Singapore. Poster presentation at the 5th European Stroke Organisation Conference, Milan, Italy (2019)
33. **Xu, H.**, Granger, B.B., Nelson, A., Churchill, E., Curtis, L.H., Peterson, E.D., & Dupre, M.E. Addressing Social Determinants to Improve Outcomes in Cardiovascular Disease: Targeting Access to Care. Oral presentation at the 2019 SINO-US Nursing Forum, Shanghai
34. **Xu, H.**, Dupre, M.E., & Wu, B. Trajectories of Subjective Memory Impairment and Objective Cognitive Decline in U.S. Older Adults. Oral presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)
35. **Xu, H.**, Farmer, H.R., Granger, B.B., & Dupre, M.E. 30-Day Readmission in Patients with Cardiovascular Disease: Do Patients Know Their Risk before Discharge? Poster presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)
36. Farmer, H.R., Wray, L.A., Xian, Y., **Xu, H.**, Pagidipati, N., Peterson, E.D., & Dupre, M.E. Racial differences in elevated C-reactive protein among U.S. older adults. Oral presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)
37. Wu, B., Plassman, B.L., Nye, K., Poole, M., Bunn, M., **Xu, H.**, Downey, C., & Anderson, R.A. Care Partner-Assisted Pilot Oral Health Intervention for Persons With Cognitive Impairment. . Oral presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)
38. Kang, B., **Xu, H.**, McConnell, E.S., & Wu, B. Association Between Subjective and Objective Cognitive Function in China. Oral presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)
39. Liu, M., **Xu, H.**, Liu, J., Perrin, N.A., Szanton, S.L. Trajectories of Pain, Insomnia, and Depressive Symptoms Before Onset of Dementia. Oral presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas (2019)

40. **Xu, H.**, De Silva, D.A., Woon, F.P., Ong, M.E.H., Matchar, D.B., Bettger, J.P., Laskowitz, D.T., & Xian, Y. Changes in Informed Consent Policy and Treatment Delays in Stroke Thrombolysis. Poster presentation at the joint European Stroke Organisation and World Stroke Organization Conference (ESO-WSO 2020), Vienna, Austria (2020)
41. **Xu, H.**, Pei, Y., Dupre, M.E., & Wu, B. Existing Datasets to Study the Impact of Internal Migration on Caregiving Arrangements among Older Adults in China. Oral presentation at the Gerontological Society of America's 72nd Annual Scientific Meeting, virtual (2020)
42. Byrd, J., Lewinski, A.A., **Xu, H.**, Tanabe, P.J., Brown, J. Implementation of a Racial Justice Task Force to Improve Inclusivity in Research. Oral presentation at the 35th Southern Nursing Research Society Conference, virtual (2021)
43. Huggins, L.K., Min, S., Dennis, C., Ostbye, T., **Xu, H.** Educational Interventions to Promote Dementia Knowledge in Racial/Ethnic Minority Older Adults: A Systematic Review. E-poster oral presentation at the CUGH 2021 Conference, virtual (2021)
44. Srivastava, P.K., Zhang, S., Xian, Y., **Xu, H.**, Rutan, C., Alger, H., Walchok, J., William, J., de Lemos, J.A., Decker-Palmer, M.R., Alhanti, B., Elkind, M.S.V, Messé, S.R., Smith, E.S., Schwamm, L.S., & Fonarow, G.C. Acute Ischemic Stroke in the Coronavirus Disease 2019 Era: An Analysis from Get With the Guidelines-Stroke. Oral presentation at the International Stroke Conference 2021, virtual (2021)
45. Thompson, R.A., Konrad, T.R., & **Xu, H.** Strengthening Strategies to Recruit Racial/Ethnic Minority Populations for Health Research Studies. E-poster presentation at the Gerontological Society of America's 73rd Annual Scientific Meeting, virtual (2021)
46. **Xu, H.**, Granger, B.B., Peterson, E.D., & Dupre, M.E. Is Early Telehealth Visits as Effective as In-Person Visits to Reduce 30-Day Readmissions Among Heart Failure Patients During the COVID-19 Pandemic. Oral presentation at the Gerontological Society of America's 73rd Annual Scientific Meeting, virtual (2021)
47. **Xu, H.**, Burke, J.R., Dupre, M.E., Min, S., Anderson, R.A., Page, D., & Ostbye, T. Racial Differences in the Pathway to Diagnosis of Alzheimer's Disease and Related Dementias. Oral presentation at the Gerontological Society of America's 73rd Annual Scientific Meeting, virtual (2021)
48. Huggins, L.K., Min, S., Welsh-Bohmer, K., & **Xu, H.** Meta-Analysis of Variations in Association between ApoE-e4 and Alzheimer's Disease and Related Dementias across Hispanic Regions of Origin. E-poster oral presentation at the Alzheimer's Association APOE and Immunity Conference, virtual (2021)
49. **Xu, H.**, Tsumura, H., Yeo, S., & Song, L. Creating a Community and Building Resilience among AAPI nurses in North Carolina. E-poster oral presentation at the NHWSN/AAPINA 2021 International Nursing Research Conference, virtual (2021)
50. **Xu, H.**, Miller, J., Thompson, R.A., Granger, B.B., & Dupre, M.E. Understanding Barriers to Healthcare Access for Heart Failure Patients during the COVID-19 Pandemic. Accepted for E-poster oral presentation at the Gerontological Society of America's 73rd Annual Scientific Meeting, virtual (2021)
51. Guo, M., Yi, W., **Xu, H.**, Li, M., Wu, B., & Dong, X.Q. Is living in an ethnic enclave associated with cognitive function? Results from The Population Study of Chinese Elderly in Chicago. Oral presentation at the Gerontological Society of America's 73rd Annual Scientific Meeting, virtual (2021)
52. Lewinski, A.A., Brown, J., Byrd, J., Daniels, C., Ibemere, S., Spearman, Y., **Xu, H.**, & Myers, J. Broadening our Impact by Breaking Research Barriers: Conversations to Ensure Racial Justice and Equity in Research Practices. Society of Behavioral Medicine Annual Meeting; Baltimore, MD, (2022)

5. Non-refereed publications:

1. **Xu, H.** *Association Between Migration and Cognitive Function Among Middle Aged and Older Adults: a Comparison Between China and India.* PhD Dissertation, Nursing Science PhD Program, Duke University.
6. Non-authored publications:
 1. Flores, D., McKinney Jr, R., Arscott, J., & Barroso, J. (2018). Obtaining waivers of parental consent: A strategy endorsed by gay, bisexual, and queer adolescent males for health prevention research. *Nursing outlook*, 66(2), 138-148.

Consultant appointments: None.

Scholarly societies

<u>Society</u>	<u>Date(Year)</u>
Sigma Theta Tau International	2015 – present

Professional awards and special recognitions:

<u>Award</u>	<u>Date(s)</u>
• National Scholarship, Ministry of Education, P.R. China	2009
• President Scholarship, Southeast University, P.R. China	2010
• Doctoral Fellowship, Duke University Graduate School	2013 – 2018
• Graduate Student Best Poster Award, Southern Nursing Research Society	2015
• Graduate School Conference Travel Award, Duke University	2016 – 2018
• Competitive Summer Research Fellowship, Duke University	2016
• Edith Anderson Leadership Education Award, Sigma Theta Tau International	2016
• Nominated for the Dean’s Award for Excellence in Mentoring, Duke University	2017
• Emerging Nurse Scholar, Bloomberg School of Nursing, University of Toronto	2018
• Travel Scholarship, National Institute on Aging Research Collaboratory on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia (R24AG061421)	2019, 2021
• Multiple Chronic Conditions Scholars, National Institute on Aging HCSRN-OAICs AGING Initiative (R24AG045050, R33AG057806)	2021
• American Heart Association Get With The Guidelines Early Career Investigator Award	2021

<u>Selected Print Media</u>	<u>Date</u>
• “Hanzhang Xu: My Bass Connections Pathway” Interviewed by Bass Connections at Duke, Duke University	September, 2015

- “Pokemon Go' Players Add 2,000 Steps a Day” *WebMD.com* March, 2017
<http://www.webmd.com/fitness-exercise/news/20170308/pokemon-go-players-add-2000-steps-a-day>
- “Playing 'Pokemon Go' can add thousands of daily steps” Yahoo Finance. March, 2017
<http://finance.yahoo.com/news/playing-pokemon-add-thousands-daily-steps-192003692.html>
- “Pokémon GO Really Does Get People Moving -- Especially Those Needing It Most” Forbes. March, 2017
<https://www.forbes.com/sites/tarahaelle/2017/03/15/pokemon-go-really-does-get-people-moving-especially-those-needing-it-most/#6eea6de35480>
- “Pokémon Go Makes People Walk 2,000 More Steps” TIME. March, 2017
<http://time.com/4695726/pokemon-go-walking-steps/>
- “When perception is reality: Readmission rates higher among CVD patients who think they’ll be back” Cardiovascular Business. January, 2021
<https://www.cardiovascularbusiness.com/topics/acute-coronary-syndromes/readmission-rates-higher-cvd-patients-cardiology>
- “Telehealth provided value for heart failure patients during COVID-19 pandemic” Cardiovascular Business. March, 2022
<https://www.cardiovascularbusiness.com/topics/covid-19/telehealth-heart-failure-covid-19-telecadiology>

Editorial Experience

a. Editorial Boards:

<u>Journal</u>	<u>Date(s)</u>
• <i>Frontier of Nursing</i>	2019 – present
• <i>Journal of Aging and Health</i>	2021 – present

b. Ad Hoc scientific review:

Reviewer (Journals):

<u>Journal</u>	<u>Date(s)</u>
• <i>International Migration Review</i>	2016 – present
• <i>Journal of Global Health</i>	2016 – present
• <i>Social Forces</i>	2016 – present
• <i>Circulation: Cardiovascular Quality and Outcomes</i>	2016 – present
• <i>Epidemiology</i>	2016 – present
• <i>Preventing Chronic Disease</i>	2016 – present
• <i>BMC Geriatrics</i>	2016 – present
• <i>Games for Health Journal</i>	2017 – present
• <i>International Journal of Population Studies</i>	2017 – present
• <i>Bulletin of the World Health Organization</i>	2017 – present
• <i>International Journal of Nursing Sciences</i>	2017 – present
• <i>Journal of Gerontology: Series B</i>	2017 – present
• <i>Social Problems</i>	2018 – present
• <i>Health and Place</i>	2018 – present
• <i>Research on Aging</i>	2018 – present
• <i>Plos ONE</i>	2018 – present

- *Western Journal of Nursing Research* 2018 – present
- *Journal of American Geriatrics Society* 2018 – present
- *Journal of Advanced Nursing* 2018 – present
- *Public Health Reports* 2019 – present
- *International Health* 2019 – present
- *Journal of Aging and Health* 2019 – present
- *The Gerontologist* 2019 – present
- *Environmental Research* 2019 – present
- *Gerontology and Geriatric Medicine* 2019 – present
- *Geriatrics & Gerontology International* 2019 – present
- *Journal of Immigrant and Minority Health* 2019 – present
- *Stroke & Vascular Neurology* 2020 – present
- *Journal of the American Medical Directors Association* 2020 – present
- *Health & Social Care in the Community* 2020 – present
- *BMC Psychiatry* 2021 – present
- *Geriatric Nursing* 2021 – present
- *American Heart Journal* 2021 – present

Reviewer (Abstracts):

<u>Professional Organization</u>	<u>Role</u>	<u>Dates</u>
• Southern Nursing Research Society	Abstract reviewer for Annual Conferences	2015
• Duke University School of Nursing	Abstract reviewer for 2016 Nursing Research Conference	2016
• Gerontological Society of America	Abstract reviewer for Annual Meetings	2016 – present
• International Association of Gerontological Societies	Abstract reviewer for Annual Conferences	2017
• Alzheimer’s Association	Abstract reviewer for Annual Conferences	2020 – present

Review Panels:

<u>Panel</u>	<u>Date(s)</u>
• Reviewer, Center of Nursing Research Pilot Grant, Duke University School of Nursing	2018 – present
• Reviewer, SingHealth Office of Research	2019 – present
• Reviewer, PhD Student Pilot Grant, Duke University School of Nursing	2019 – present

Organizations and participation: (Offices held, committee assignments, etc.)

<u>Professional Organization</u>	<u>Office Held and/or Committee Assignment</u>	<u>Dates</u>
Council for the Advancement of Nursing	Member	2014 – present
Southern Nursing Research Society	Member	2014 – present
Gerontological Society of America	Member	2015 – present

Gerontological Society of America, Chinese Gerontology Studies Interest Group	Co-convener	2021 – present
American Public Health Association	Member	2015
AcademyHealth	Member	2016
American Heart Association	Member	2016 – present
Asian American / Pacific Islander Nurses Association	President, NC Chapter	2021– 2022
Institute for Health Metrics and Evaluation	GBD Collaborator	2020 – present

External support - gifts, grants, and contracts:

Research support: present—currently active

1. An Innovative Approach for Understanding Trajectories of Medication Adherence in Patients with Heart Failure

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1R03AG064303-A1

Status on Grant: Principal Investigator

Proposed Period: 09/15/2020-05/31/2022

Project Goal: The purpose of this project is to describe the longitudinal changes in medication adherence in patients with heart failure.

2. Developing a Mobile App-Based Intervention to Promote Cognitive Health in Older Chinese Americans

Funding source: National Institutes of Health/National Institute on Aging

Project number: R21AG075228

Status on Grant: Principal Investigator

Proposed Period: 03/01/2022-02/29/2024

Project Goal: The purpose of this project is to develop and test a novel mHealth cognitive training intervention in older Chinese Americans

3. A Patient-Centered Approach for Addressing Racial/Ethnic Disparities in Pathways to Diagnosis of Alzheimer's Disease and Related Dementias

Project number: U54MD012530

Funding source: National Institutes of Health/ National Institute on Minority Health and Health Disparities /Duke REACH Equity

Status on Grant: Principal Investigator (Career Development Award, KL2 equivalent)

Approved Period: 07/01/2020-06/30/2022

Project Goal: The purpose of this project is to use Electronic Health Records and in-depth interviews to (1) identify different pathways leading to the diagnosis of ADRD across racial/ethnic groups; and (2) to engage patients from diverse racial/ethnic backgrounds and their family caregivers to identify key barriers that they have experienced along their ADRD diagnosis pathways and ascertain their recommendations for how to best address these barriers.

4. Addressing Racial/Ethnic Differences in Pathways to Diagnosis of Alzheimer's Disease and Related Dementias: A Qualitative Study

Funding source: DUSOM/Provost Core Facility Voucher Program

Status on Grant: Principal Investigator

Approved Project Period: 01/01/2020-06/30/2022

Project Goal: The purpose of this project is to engage family caregivers of dementia patients from diverse racial/ethnic backgrounds to identify key barriers that they have experienced along their ADRD diagnosis pathways and ascertain their recommendations for how to best address these barriers.

5. Improving Door-To-Needle Times for Tissue Plasminogen Activator Administration in Acute Ischemic Stroke in Singapore

Funding source: Duke/Duke-NUS Collaboration Pilot Grant

Status on Grant: Multiple Principal -Investigator

Principal Investigators: Hanzhang Xu/ Deidre De Silva

Approved Project Period: 10/01/2017-09/31/2022

Project goal: The purpose of this study is to use the Singapore Stroke Registry data to examine hospital strategies that can improve door-to-needle time for tissue plasminogen activator administration in acute ischemic stroke in Singapore

6. Patient Characteristics, Quality of Care, and In-hospital Outcomes for Acute Ischemic Stroke – An International Comparison

Funding source: American Heart Association

Project number: 21ST003 AHA Early Career Investigator Award

Status on Grant: Principal Investigator

Approved Period: 03/01/2021-02/28/2022

Project Goal: The purpose of this project is to use four international stroke registry data to examine the differences in patient characteristics, treatment pattern, quality of care and outcomes.

7. A Patient-Centered Approach for Addressing Access to Care to Improve Outcomes in Heart Failure Patients

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1R21AG061142

Status on Grant: Co-Investigator

Principal Investigator: Matthew E. Dupre

Approved Period: 09/01/2019-06/30/2022

Project Goal: The purpose of this project is to use a mixed method approach to examine patient-perceived barriers to access to care in patients with heart failure.

8. Integrating Data to Enhance the Assessment of Cardiovascular Risks in U.S. Older Adults

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1R01AG063795-A1

Status on Grant: Co-Investigator

Principal Investigator: Matthew E. Dupre

Approved Period: 08/09/2021-06/30/2026

Project Goal: The purpose of this project is to integrate social determinants of health into atherosclerotic cardiovascular disease risk assessment.

9. Breaking Research Barriers: Conversations to Ensure Racial Justice and Equity in Research Practices

Funding source: Faculty Advancement Seed Grant Program, Office for Faculty Advancement

Principal Investigators: John Myers/Christin Daniels

Status on Grant: Co-Investigator

Approved Project Period: 04/01/2021-03/31/2023

Project Goal: The purpose of this project is to raise awareness of racial justice and equity at each component of the research lifecycle.

**10. AGS/AGING Learning, Educating, And, Researching National Initiative in Geriatrics
("LEARNING") Collaborative**

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1R25AG071488-01

Status on Grant: Key contributor

Principal Investigator: Nancy Lundebjerg and Jerry H. Gurwitz

Approved Period: 09/15/2021-06/30/2024

Project Goal: The purpose of this project is to develop a national self-directed learning curriculum focused on the science of multiple chronic conditions (MCCs).

Research support: past

1. Community care of frail elders in cross-cultural settings: A team-based approach

Funding source: Duke University, Bass Connections in Global Health

Status on Grant: Student Mentor

Approved Project Period: 07/01/2014-06/30/2015

Principal Investigator: Bei Wu

Project Goal: The purpose of this project is to describe the formal and informal caregiving arrangements and needs of East Asian (Chinese) elders who are community-residing and experiencing cognitive or physical decline and to compare these needs with a sample of South Asian (Sri Lankan) elders

2. Community care of frail elders in cross-cultural settings: A team-based approach (Phase two)

Funding source: Duke University, Bass Connections in Global Health

Status on Grant: Student Mentor

Principal Investigator: Bei Wu

Approved Project Period: 07/01/2015-06/30/2016

Project Goal: The purpose of this project is to describe the formal and informal caregiving arrangements and needs of East Asian (Chinese) elders who are community-residing and experiencing cognitive or physical decline and to compare these needs with a sample of South Asian (Sri Lankan) elders.

3. Leveraging Patient-Reported Data to Address Racial Disparities in 30-Day Readmission in Adults with Cardiovascular Disease

Project number: U54MD012530

Funding source: National Institutes of Health/ National Institute on Minority Health and Health Disparities /Duke REACH Equity

Status on Grant: Co-Investigator

Principal Investigator: Matthew E. Dupre (Research Voucher Award)

Approved Period: 07/01/2019-06/30/2020

Project Goal: The purpose of this project is to better understand the factors associated with racial disparities in 30-day readmissions from a uniquely patient-centered standpoint.

4. Care Pathways to Diagnosis of Alzheimer's Disease and Related Dementias

Funding source: DUSON CNR Pilot Program

Status on Grant: Principal Investigator

Approved Project Period: 03/01/2020-09/23/2021

Project Goal: The purpose of this project is to use electronic health records to identify different pathways leading to the diagnosis of ADRD and to determine whether there are racial/ethnic differences in the pathways of care leading to ADRD diagnosis.

Research support: pending

1. A Life Course Framework to Model Risks of Hospitalization in Older Adults with Heart Failure

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1R01AG065180 (JIT)

Status on Grant: Co-Investigator

Principal Investigator: Matthew E. Dupre

Proposed Period: 09/01/2021-08/31/2026

Project Goal: The purpose of this project is to leverage the life course framework and linked Health and Retirement Study and Medicare Claims data to examine the trajectories of hospitalization and its associated factors in older adults with heart failure.

2. Developing a Social Network Based mHealth Intervention to Promote Blood Pressure Control in Chinese Americans

Funding source: National Institutes of Health/ National Institute on Minority Health and Health Disparities

Project number: R21MD018098

Status on Grant: Principal Investigator

Proposed Period: 09/01/2022-08/31/2024

Project Goal: The purpose of this project is to develop and test a social network-based home BP monitoring intervention among Chinese Americans with hypertension.

3. Emulating Early Blood Pressure Lowering Intervention on Prevention of Cognitive Decline and Alzheimer's Disease and Related Dementia

Funding source: National Institutes of Health/National Institute on Aging

Project number: 1 R01AG079915

Status on Grant: Subcontract Principal Investigator

Principal Investigator: Jingkai Wei

Proposed Period: 12/01/2022-11/30/2027

Project Goal: The purpose of this project is to leverage causal inference methods to emulate blood pressure control intervention on preventing ADRD.

Mentoring activities

- i. Faculty: None.
- ii. Fellows, master, doctoral, post docs

Fellow

- | | |
|--|----------------|
| 1. Raman Nohria, MD
Family Medicine Fellow, Research mentor | 2020 – Present |
|--|----------------|

PhD student

- | | Date(s) |
|---|----------------|
| 1. Se Hee Min, MSN, RN
PhD student in Nursing Science Program, Independent study advisor
Project: Racial/ethnic differences in dementia care | 2020 – Present |
| 2. Ravi Prakash
PhD student in the Pratt School of Engineering, Master thesis committee member
Project: Using natural language processing to identify dementia cases | 2021 – Present |
| 3. Nan Wang, MA, MS
PhD student in Public Health Sciences Program at University of California, Davis, Independent study advisor
Project: Perceived and actual risk of developing dementia | 2022 – Present |

Master students

- | | | |
|------|---|----------------|
| 1. | Jingru Tan
Master of Science in Global Health, Thesis committee member
Project: A qualitative study of current hypertension care coordination and feasibility of involving FCHVs in hypertension management in Kavre district, Nepal | 2018 – 2019 |
| 2. | Haoran Yang
Master of Population Health Sciences, Thesis committee member
Project: Primary analysis of online medical services in China | 2020 – 2021 |
| 3. | Tao He
Master of Science in Global Health, Thesis committee member
Project: Discrimination in Workplace, Healthcare, and Family Settings and Mental Health among Transgender People in Sri Lanka | 2021– Present |
| 4. | Kunyuan (Skye) Liang
Master of Science in Global Health, Thesis committee member
Project: Association between workplace ergonomic exposures and the prevalence of musculoskeletal problems among nurses in Sri Lanka during the COVID-19 pandemic | 2021– Present |
| 5. | Glauca Nascimento Salgado, MA
Master of Science in Global Health, Thesis co-chair
Project: Pathways to diagnosis: the lived experiences of obtaining a dementia diagnosis among care partners | 2021– Present |
| | Undergraduate students | |
| 1. | Lenique Huggins
Undergraduate student with global health Minor, Thesis supervisor
Project: Variations of APOE and Alzheimer’s Pathology among Diverse Hispanic Population | 2020 – Present |
| 2. | Chelsea-Ann Dennis
Undergraduate student with global health Minor, Research internship supervisor
Project: Racial differences in dementia diagnosis | 2020 – 2021 |
| iii. | Resident: None. | |
| iv. | Medical students: | |
| | Medical Students | Date(s) |
| 1. | Juyoung Kim
Third-year medical student, Thesis co-supervisor
Project: Stressors, caregiving burden, and quality of life among older Filipinos. | 2019 – 2020 |

Education / Teaching activities (Residents, Medical students, CME)

i. Teaching and supporting Learners

Instructor

<u>Course Name and Program(s)</u>	<u>Dates: Semester/Year</u>
Nursing N960, Evidence Based Practice I: Locating and Appraising Evidence (with Dr. J. Humphreys)	Spring 2019
Nursing N970, Evidence Scholarly Writing (with Dr. J. Humphreys)	Spring 2019
Physician Assistant PHASST 255, Evidence-Based Practice-1	Fall 2019, 2020, 2021
Nursing N960, Evidence Based Practice I: Locating and Appraising Evidence	Spring 2020

Nursing N970, Evidence Scholarly Writing	Spring 2020
Nursing N922, Special Reading	Summer 2020
Nursing N959, Appraise and Synthesize for Evidence-Based Practice	Spring 2021
Nursing N580, Nurse as Scholar I: Science Development, Study Design, and Statistics Overview	Summer 2022
Nursing N966, Quantitative Methods for Evaluating Health Care Practices	Fall 2022

Guest Lecturer

“Social Determinants of Health in The Context of Aging China” Class: N582 (Populations Health in a Global Society)	Spring 2019
“Leveraging Existing Data Sources to Improve Health and Well-being in Diverse Populations” Class: Introductory Course on Health and Long-term Care in the Context of Global Aging (Fudan University)	Spring and Summer 2021
“Population Dynamics: Migration” Class: PHS 705 (Topics in Population Health Sciences I)	Fall 2021
“Migration and Aging from A Global Perspective” Class: N202 Issues of Aging in a Global Society (University of Massachusetts Amherst College of Nursing)	Fall 2021
“Population Dynamics: Migration and Aging” Class: PUBH 5399 Epidemiology Capstone (Baylor University Robbins College of Health and Human Sciences)	Spring 2022
“Older and Wiser—Population Dynamics: Migration and Aging” Class: GLHLTH 101 (Fundamentals of Global Health)	Spring 2022

- ii. Development of courses/educational programs: None.
- iii. Development of assessment tools and methods: None.
- iv. Education management/ Leadership: None.

Invited Lectures and Presentations

- i. Named Lectures
- ii. Visiting Professorships

<u>Presentation</u>	<u>Date</u>
1. Xu, H. “Physical and Cognitive Health in Older Adults: A Global Perspective.” McCormack Graduate School, University of Massachusetts Boston, Boston, MA	February, 2018
2. Xu, H. “Patient-Centered Approaches for Optimizing Discharge Planning and Outcomes in Patients with Cardiovascular Disease.” Department of Community and Family Medicine, Duke University, Durham, NC	February, 2018
3. Xu, H. “Addressing Social Determinants to Improve Outcomes in Cardiovascular Disease” Center for the Study of Aging and Human Development, Duke University, Durham NC	March, 2019

4. **Xu, H.** “Association between Migration and Cognitive Function: A Comparison between China and India” Duke Kunshan University, Suzhou, China September, 2019
5. **Xu, H.** “Leveraging Patient-Reported Data to Address 30-Day Readmission in Patients with Cardiovascular Disease” Duke-NUS Medical School, Singapore, Singapore January, 2020
6. **Xu, H.** “A Patient-Centered Approach for Addressing Racial/Ethnic Disparities in Pathways to Diagnosis of Alzheimer's Disease and Related Dementias” Duke Center for Research to Advance Healthcare Equity, Duke University, Durham NC October, 2020
7. **Xu, H.** “Addressing Racial/Ethnic Disparities in Dementia Diagnosis: A Team Approach” Department of Family Medicine and Community Health Grand Rounds, Duke University, Durham NC November, 2020
8. **Xu, H.** “Through the Lens of Health Equity: Improving Cardiovascular and Brain Health in Diverse Older Adult Populations.” Nell Hodgson Woodruff School of Nursing, Emory University, Atlanta, GA February, 2021
9. **Xu, H.** “Developing a Patient-Centered Navigator to Promote Early Identification of Alzheimer’s Disease and Related Dementias.” NIA Disparities Framework Workshop May, 2021

iii. International Meetings

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| 1. Xu, H. “Validating A Measure of Health Beliefs in Preventive Health Screening Among Chinese Old Adults.” Paper presented at <i>Interdisciplinary Research on Long-term Care and Health Aging in Hangzhou</i> , sponsored by Zhejiang University, Hangzhou, P.R. China | May, 2015 |
| 2. Xu, H. “The Impact of Migration and Urbanization on Trajectories of Cognition Decline among Chinese Older Adults: The Impact of Migration.” Paper presented at <i>1st Kunshan Forum: Non-communicable Diseases and China’s Health System Reform in Suzhou</i> , sponsored by Duke Kunshan University, Suzhou, P.R. China | May, 2015 |
| 3. Xu, H. “30-Day Readmission in Patients with Cardiovascular Disease: Do Patients Know Their Risk before Discharge?” Paper presented at <i>5th Qilu International Young Nursing Scholars Forum</i> , sponsored by Shandong University, Jinan, P.R. China | May, 2021 |
| 4. Xu, H. “Is Early Telehealth Visits as Effective as In-Person Visits to Reduce 30-Day Readmissions Among Heart Failure Patients During the COVID-19 Pandemic” <i>International Young Scholar Online Forum of Shanghai Jiaotong University School of Medicine</i> , sponsored by Shanghai Jiaotong University, Shanghai, P.R. China | October, 2021 |

iv. National Scientific Meetings (invited):

1. **Xu, H.** “Competent Care for Immigrants and Refugees” Panel Discussion, American Geriatrics Society Annual Scientific Meeting, Virtual May, 2021

v. Instructional Courses, workshops, symposiums (National)

<u>Presentation</u>	<u>Date</u>
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1. **Xu, H.** “Association Between Migration and Cognitive Function among Middle-aged and Older Adults.” Paper presented at 17th Annual Mild Cognitive Impairment Symposium *in Miami, FL*, sponsored by Wien Center for Alzheimer’s Disease and Memory Disorders at Mount Sinai Medical Center, and NIA’s IFlorida Alzheimer's Disease Research Center

January, 2019

- vi. Posters (National meeting): None.
- vii. Regional presentations and posters: None.

Clinical activity - type of practice and estimate of time commitment: None.

Participation in academic and administrative activities of the University and Medical Center

- i. Administrative positions: None.
- ii. Committees

<u>Activities and/or Committee Assignments</u>	<u>Date(s)</u>
Member, University Judicial Board, Duke University	2015 – 2016
Student lead, Partnership for Development, Duke University School of Nursing	2015 – 2016
Member, Center for Nursing Research Steering Committee, Duke University School of Nursing	2017 – 2018
Member, DNP Program Committee, Duke University School of Nursing	2018 – present
Member, PhD Program Committee, Duke University School of Nursing	2019 – present
Member, Center for Nursing Research Racial Justice Task Force, Duke University School of Nursing	2020 – present
Member, FGA Ad Hoc Taskforce for DUSON Judicial Process	2021– present
Faculty lead, Partnership for Development, Duke University School of Nursing	2020 – present
Representative, Duke University Health System Institutional Review Board	2021– present

- iii. Leadership positions: None.