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[Current positions]

Underwood Distinguished Professor, Yonsei University
Full Professor of Sociology, Yonsei University

2018 - 2021 Underwood Distinguished Professor. Yonsei University
2018 - Editorial Board Member for "Scientific Reports"
2011 - 2021 Director. Korean Social Life, Health, and Aging Project. (KSHAP)
2013 - 2021 Director. Brain Korea 21 Plus Project at Sociology department at Yonsei University
2013 - Director. Center for Interdisciplinary Approaches to Aging at Institute of Convergence Science. Yonsei University.
2021 - Director. A Korean Study of Adolescent Health (KSAH)

[Previous positions]

2000 - 2005 Assistant Professor of Sociology. The University of Illinois at Chicago
2002 Visiting Scholar. Sociology department. Utrecht University, Netherlands
2010 Visiting Scholar. Research Institute of Economy, Trade, and Industry. Tokyo, Japan
2010, 2014 Visiting Scholar. Center on Aging at National Opinion Research Center. The University of Chicago
2005 - 2014 Affiliated Professor of Sociology. The University of Illinois at Chicago
2005 - 2014 Advanced Researcher. Institute for Health Research and Policy at the University of Illinois at Chicago

[Education]

1984 - 1987 B.A. Business administration. Yonsei University, South Korea
1988 - 1990 M.A. Business administration. Yonsei University, South Korea
1993 - 2000 Ph.D. Sociology. The University of Chicago, USA

[Awards]

2021 Gallup Excellent Paper Award for the paper, "Similarity in functional brain connectivity at rest predicts interpersonal closeness in the social network of an entire

village." Proceedings of the National Academy of Sciences. Gallup Korea and the Korean Association for Survey Research.

2018 - 2021 Underwood Distinguished Professorship. Yonsei University

2018 50 Best Research Award. Ministry of Education of Republic of Korea

2018 Excellence Award for Research Papers. Yonsei University

2012 Excellence Award in Basic Research in Humanities and Social Sciences.

Ministry of Education, Science, and Technology of Republic of Korea

2007 Excellence Award for Teaching. Yonsei University

1993 - 1996 Trustee Fellowship. The University of Chicago

[Major Publications (in English)]

Articles (*: corresponding author)

Kim, H., Kwak, S., Youm, Y., & Chey, J. (2021). Social Network Characteristics Predict Loneliness in Older Adults. *Gerontology*, 1-12.

Cho, So Mi Jemma, Hokyoo Lee, Jee-Seon Shim, Yoosik Youm, Sun Jae Jung, Dae Jung Kim, and Hyeon Chang Kim. "Association between Social Network Structure and Physical Activity in Middle-aged Korean Adults." *Social Science & Medicine* (2021): 114112.

Kwak, S., Kim, H., Kim, H., Youm, Y., & Chey, J. (2021). Distributed functional connectivity predicts neuropsychological test performance among older adults. *Human Brain Mapping* 42: 3305-3325.

Lee, Sung-Ha, Ekaterina Baldina, Eun Lee, and Yoosik Youm*. "Social connectedness and hair cortisol in community-dwelling older adults." *Comprehensive Psychoneuroendocrinology* 6 (2021): 100053.

Youm*, Y., Kim, J., Kwak, S., & Chey, J. (2021). Neural and social correlates of attitudinal brokerage: using the complete social networks of two entire villages. *Proceedings of the Royal Society B*, 288(1944), 20202866.

Youm* Y, Lee B, Kim J (2021). A measure of centrality in cyclic diffusion processes: Walk-betweenness. *PLOS ONE* 16(1): e0245476.

- Youm*, Y., Baldina, E., & Baek, J. (2021). All-cause mortality and three aspects of social relationships: an eight-year follow-up of older adults from one entire Korean village. *Scientific reports*, 11(1), 1-11.
- Choi, H., Hong, N., Park, N., Kim, C.O., Kim, H.C., Choi, J.Y., Youm, Y. and Rhee, Y., (2021). Computed Tomography-Derived Skeletal Muscle Radiodensity Predicts Peak Weight-Corrected Jump Power in Older Adults: The Korean Urban Rural Elderly (KURE) Study. *Calcified Tissue International*, pp.1-11.
- Ryan, H. Youm*, Y., Kim, J., Chey, J., Kwak, S., Parkinson, C. (2020). Similarity in functional brain connectivity at rest predicts interpersonal closeness in the social network of an entire village. *Proceedings of the National Academy of Sciences*. DOI: 10.1073/pnas.201360611
- Kwak, M. S., Cho, S. M. J., Shim, J. S., Kim, D. J., Youm, Y., & Kim, H. C. (2020). Association of social network size and composition with physical activity in Korean middle-aged population. *Epidemiology and Health*, e2020070.
- Park, K., Cho, D., Lee, E., Kim, J., Shim, J. S., Youm, Y., ... & Kim, H. C. (2020). Sex differences in the association between social relationships and insomnia symptoms. *Journal of Clinical Sleep Medicine*, 16(11), 1871-1881.
- Park, S., Park, K., Shim, J. S., Youm, Y., Kim, J., Lee, E., & Kim, H. C. (2020). Psychosocial factors affecting sleep misperception in middle-aged community-dwelling adults. *PLOS ONE* , 15(10), e0241237.
- Choi, J., Yang, K., Chu, S. H., Youm, Y., Kim, H. C., Park, Y. R., & Son, Y. J. (2020). Social Activities and Health-Related Quality of Life in Rural Older Adults in South Korea: A 4-Year Longitudinal Analysis. *International Journal of Environmental Research and Public Health*, 17(15), 5553.
- Kim, Kwanghyun, Sun Jae Jung, Jong Min Baek, Hyeon Woo Yim, Hyunsuk Jeong, Dae Jung Kim, Sungha Park, Yoosik Youm, and Hyeon Chang Kim. "Associations between social network properties and metabolic syndrome and the mediating effect of physical activity: findings from the Cardiovascular and Metabolic Diseases Etiology Research Center (CMERC) Cohort." *BMJ Open Diabetes Research and Care* 8, no. 1 (2020): e001272.
- LBD Double Burden of Malnutrition Collaborators. (2020). Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017. *Nature medicine*, 26(5), 750.

Lee, S., Lee, S., Lee, E., Youm, Y., Cho, H. S., & Kim, W. J. (2020). Gender differences in social network of cognitive function among community-dwelling older adults. *Geriatrics & Gerontology International*, 20(5), 467-473.

Choi, Hye Rin, Tyler Hyungtaek Rim, Jung Hyun Lee, Seung Won Lee, Jongmin Baek, Kwanghyun Kim, Yoosik Youm, and Hyeon Chang Kim. "Prevalence of and factors related with abnormal fundoscopic findings among the elderly population in a rural community in South Korea." In *Seminars in Ophthalmology*, vol. 35, no. 1, pp. 41-49. Taylor & Francis, 2020.

Hyun-Soo Kim, H., & Youm, Y. (2020). Exploring the contingent associations between functional limitations and depressive symptoms across residential context: a multilevel panel data analysis. *Aging & mental health*, 1-10.

Frank, T. D., Carter, A., Jahagirdar, D., Biehl, M. H., Douwes-Schultz, D., Larson, S. L., ... & Abu-Raddad, L. J. (2019). Global, regional, and national incidence, prevalence, and mortality of HIV, 1980–2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017. *The Lancet HIV*, 6(12), e831-e859.

Bang, M., Kim, J., An, S. K., Youm, Y., Chey, J., Kim, H. C., ... & Lee, E. (2019). Associations of systemic inflammation with frontotemporal functional network connectivity and out-degree social-network size in community-dwelling older adults. *Brain, behavior, and immunity*.

Choi, H. R., Lee, S. W., Jeon, D. H., Hur, N. W., Youm, Y., & Kim, H. C. (2019). Association between estimated glomerular filtration rate (eGFR) and asymmetric dimethylarginine (ADMA) concentrations among the elderly in a rural community: a cross-sectional study. *BMC geriatrics*, 19(1), 1-9.

Hong, N., Kim, K. J., Lee, S. J., Kim, C. O., Kim, H. C., Rhee, Y., ... & Park, H. Y. (2019). Cohort profile: Korean Urban Rural Elderly (KURE) study, a prospective cohort on ageing and health in Korea. *BMJ open*, 9(10), e031018.

Shim, J. S., Song, B. M., Lee, J. H., Lee, S. W., Park, J. H., Choi, D. P., ... & Lee, W. W. (2019). Cohort profile: The cardiovascular and metabolic diseases etiology research center cohort in Korea. *Yonsei medical journal*, 60(8), 804-810.

Lee, Su Jin, Eun Young Lee, Jung Hyun Lee, Jong Eun Kim, Kwang Joon Kim, Yumie Rhee, Hyeon Chang Kim, Yoosik Youm, and Chang Oh Kim. "Associations of serum 25-hydroxyvitamin D with metabolic syndrome and its components in elderly

men and women: the Korean Urban Rural Elderly cohort study." *BMC geriatrics* 19, no. 1 (2019): 102.

Hong, Namki, Chang Oh Kim, Yoosik Youm, Jin-Young Choi, Hyeon Chang Kim, and Yumie Rhee. "Elevated red blood cell distribution width is associated with morphometric vertebral fracture in community-dwelling older adults, independent of anemia, inflammation, and nutritional status: the Korean urban rural elderly (KURE) study." *Calcified tissue international* 104, no. 1 (2019): 26-33.

Kim, H., Kwak, S., Kim, J., Youm*, Y., & Chey, J. (2019). Social Network position Moderates the Relationship between Late-life Depressive symptoms and Memory Differently in Men and Women. *Scientific reports*, 9(1), 6142.

Hur, N.W., Kim, H.C., Waite, L. and Youm, Y., (2018). Is the Relationship between Depression and C Reactive Protein Level Moderated by Social Support in Elderly?-Korean Social Life, Health, and Aging Project (KSHAP). *Psychiatry investigation*, 15(1), pp.24-33.

Joo, W. T., Lee, C. J., Oh, J., Kim, I. C., Lee, S. H., Kang, S. M., ... & Youm, Y. (2018). The association between social network betweenness and coronary calcium: A baseline study of patients with a high risk of cardiovascular disease. *Journal of Atherosclerosis and Thrombosis*, 40469

Kwak, S., Joo, W.T., Youm*, Y. and Chey, J., (2018). Social brain volume is associated with in-degree social network size among older adults. *Proc. R. Soc. B*, 285(1871), p.20172708.

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Lee, S., Seo, D. H., Kim, K. M., Lee, E. Y., Kim, H. C., Kim, C. O., Youm*, Y., & Rhee, Y. (2017). Contingent association between the size of the social support network and osteoporosis among Korean elderly women. *PloS one*, 12(7), e0180017.

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Joo, W. T., Kwak, S., Youm*, Y., & Chey, J. (2017). Brain functional connectivity difference in the complete network of an entire village: the role of social network size and embeddedness. *Scientific Reports*, 7.

Lee, E.Y., Lee, S.J., Kim, K.M., Seo, D.H., Lee, S.W., Choi, H.S., Kim, H.C., Youm, Y., Kim, C.O. and Rhee, Y., (2017). Lower jump power rather than muscle mass itself is associated with vertebral fracture in community-dwelling elderly Korean women. *Calcified tissue international*, 100(6), pp.585-594.

Lee, E.Y., Lee, S.J., Kim, K.M., Yun, Y.M., Song, B.M., Kim, J.E., Kim, H.C., Rhee, Y., Youm, Y. and Kim, C.O., (2017). Association of metabolic syndrome and 25 hydroxyvitamin D with cognitive impairment among elderly Koreans. *Geriatrics & gerontology international*, 17(7), pp.1069-1075.

Kim, W.J., Joo, W.T., Baek, J., Sohn, S.Y., Namkoong, K., Youm, Y., Kim, H.C., Park, Y.R., Chu, S.H. and Lee, E., (2017). Factors Associated with Insomnia among the Elderly in a Korean Rural Community. *Psychiatry investigation*, 14(4), pp.400-406.

Choi, H., Kim, H.C., Stefani, K.M., Lee, J.M., Yoon, Y.M., Lee, E.Y., Kim, K.M., Rhee, Y., Youm, Y. and Kim, C.O., (2017). Serum high-density lipoprotein cholesterol concentration and functional state: The Korean Urban Rural Elderly (KURE) Study. *Archives of gerontology and geriatrics*, 71, pp.115-121.

Choi, H.R., Lee, S.W., Yeom, H., Jeon, D.H., Kim, H.C. and Youm, Y., (2017). Association between vitamin D status and asymmetric dimethylarginine (ADMA) concentration in the Korean elderly population. *Maturitas*, 102, pp.13-17.

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- Song, B. M., Kim, H. C., Rhee, Y., Youm, Y., & Kim, C. O. (2016). Association between serum 25-hydroxyvitamin D concentrations and depressive symptoms in an older Korean population: A cross-sectional study. *Journal of affective disorders*, 189, 357-364.
- Neaigus, A., Jenness, S. M., Reilly, K. H., Youm, Y., Hagan, H., Wendel, T., & Gelpi-Acosta, C. (2016). Community Sexual Bridging Among Heterosexuals at High-Risk of HIV in New York City. *AIDS and Behavior*, 20(4), 722-736.
- Choi, H., Kim, H. C., Song, B. M., Park, J. H., Lee, J. M., Yoon, D. L., ... & Kim, C. O. (2016). Serum uric acid concentration and metabolic syndrome among elderly Koreans: The Korean Urban Rural Elderly (KURE) study. *Archives of gerontology and geriatrics*, 64, 51-58.
- Youm*, Y., & Yamaguchi, K. (2016). A Comparison of the Determinants of Low Marital Fertility between Korea and Japan. *Korean Journal of Sociology*, 50(3), 23-43.
- Lee, E. Y., Lee, S. J., Kim, K. M., Yun, Y. M., Song, B. M., Kim, J. E., ... & Kim, C. O. (2016). Association of metabolic syndrome and 25 hydroxyvitamin D with cognitive impairment among elderly Koreans. *Geriatrics & Gerontology International*.
- Baek, J., Hur, N. W., Kim, H. C., & Youm, Y. (2016). Sex-specific effects of social networks on the prevalence, awareness, and control of hypertension among older Korean adults. *Journal of Geriatric Cardiology: JGC*, 13(7), 580.
- Youm*, Y., & Sung, K. (2016). Self-rated Health and Global Network Position: Results From the Older Adult Population of a Korean Rural Village. *Annals of Geriatric Medicine and Research*, 20(3), 149-159.
- Youm*, Y., & Lee, B. (2016). A network approach to economic models of fertility. *Rationality and Society*, 28(4), 386-409.
- Lee, S. J., Kim, K. M., Lee, E. Y., Song, M. K., Kang, D. R., Kim, H. C., ... & Rhee, Y. (2016). Low Normal TSH levels are Associated with Impaired BMD and Hip Geometry in the Elderly. *Aging and Disease*, 7(6), 734.

Chu, Sang Hui, Ji Won Baek, Eun Sook Kim, Katherine M. Stefani, Won Joon Lee, Yeong-Ran Park, Yoosik Youm, and Hyeon Chang Kim. (2015) "Gender Differences in Hypertension Control among Korean Older Adults." *Journal of Preventive Medicine and Public Health*. 48(1): 38-47.

Song, Bo Mi, Ju-Mi Lee, Wungrak Choi, Yoosik Youm, Sang Hui Chu, Yeong-Ran Park, and Hyeon Chang Kim. "Association between C reactive protein level and depressive symptoms in an elderly Korean population: Korean Social Life, Health and Aging Project." *BMJ open* 5, no. 2 (2015): e006429.

Lee, Seung Won, Yoosik Youm, Won Joon Lee, Wungrak Choi, Sang Hui Chu, Yeong-Ran Park, and Hyeon Chang Kim. "Appendicular Skeletal Muscle Mass and Insulin Resistance in an Elderly Korean Population: The Korean Social Life, Health and Aging Project-Health Examination Cohort." *Diabetes & metabolism journal* 39, no. 1 (2015): 37-45.

Lee, S. W., Youm, Y., Kim, C. O., Lee, W. J., Choi, W., Chu, S. H., ... & Kim, H. C. (2014). Association between skeletal muscle mass and radial augmentation index in an elderly Korean population. *Archives of gerontology and geriatrics*, 59(1), 49-55.

Lee, E. Y., Kim, H. C., Rhee, Y., Youm, Y., Kim, K. M., Lee, J. M., & Kim, C. O. (2014). The Korean urban rural elderly cohort study: study design and protocol. *BMC geriatrics*, 14(1), 33.

Youm*, Y., Laumann, E. O., Ferraro, K. F., Waite, L. J., Kim, H. C., Park, Y. R., ... & Lee, J. A. (2014). Social network properties and self-rated health in later life: comparisons from the Korean social life, health, and aging project and the national social life, health and aging project. *BMC geriatrics*, 14(1), 102.

Lee, W. J., Youm, Y., Rhee, Y., Park, Y. R., Chu, S. H., & Kim, H. C. (2013). Social network characteristics and body mass index in an elderly Korean population. *Journal of Preventive Medicine and Public Health*, 46(6), 336-345.

Youm*, Yoosik, Byungkyu Lee. (2011). "Social Network Effects on Post-Traumatic Stress Disorder (PTSD) in Female North Korean Immigrants," *Journal of Preventive Medicine and Public Health* 44(5): 191-200.

Yoosik Youm*, Hyojeong Seo. (2011). "Latent Classes of Social Closure and Their Effects on the Subjective Well-being among Korean Adolescents," *Korean Journal of Sociology* 45(3): 101-124.

Youm*, Yoosik. (2010). A sociological interpretation of emerging properties in STI transmission dynamics: walk-betweenness of sexual networks. *Sexually Transmitted Infections*. 2010. 86(3): iii24-iii28.

Youm, Y., Mackesy-Amiti, M.E., Williams, C.T. and Ouellet, L.J., (2009). Identifying hidden sexual bridging communities in Chicago. *Journal of Urban Health*, 86(1), pp.107-120.

Youm*, Yoosik., Chanung Park. (2007). "On the Relationship between Self-reported Physical Health and Social Networks: Among Korean Junior High School Students," *Development and Society*. S221-S226.

Youm*, Yoosik, and Edward O. Laumann. (2003). "The effect of structural embeddedness on the division of household labor: A game-theoretic model using a network approach." *Rationality and Society*. 15(2): 243 – 280.

Youm, Yoosik, and Edward O. Laumann. (2002). "Social Network Effects on the Transmission of Sexually Transmitted Diseases." *Sexually Transmitted Diseases* 29(11): 689-697.

Laumann, Edward. O. and Yoosik Youm. (1999). "Race/ethnic group differences in the prevalence of sexually transmitted diseases in the United States: A Network Explanation." *Sexually Transmitted Diseases*. Vol 26. No 5: 250-61.

Book Chapters

Youm Y., Laumann E.O., Lee K. (2018) Changes of Personal Network Configuration Over the Life Course in the USA: A Latent Class Approach. In: Alwin D., Felmlee D., Kreager D. (eds) *Social Networks and the Life Course. Frontiers in Sociology and Social Research, vol 2*. Springer, Cham

Youm, Y., (2015). Sexually Transmitted Infections: Social Network Analysis. *International Encyclopedia of the Social & Behavioral Sciences*, 2nd edition, Vol 21. Oxford: Elsevier. pp. 853-861.

Laumann, E. O., Mahay, J., & Youm, Y. (2007). Sex, intimacy and family life in the United States. *The Sexual Self*, 165-190.

Youm, Y. (2005). Household behavior and family economics. *Encyclopedia of Social Measurements*, 243-248.

Youm, Y., & Paik, A. (2004). The sex market and its implications for family formation. *The sexual organization of the city*, 165-193.

Youm, Y., & Laumann, E.O. (2004). Social networks and STDs. *The sexual organization of the city*, 227-279.

Laumann, E., Mahay, J., Paik, A., & Youm, Y. (2004). Network data collection and its relevance for the analysis of STDs: the NHSLS and CHSLS. *Network epidemiology: A handbook for survey design and data collection*, 27-41.

Laumann, Edward. O. and Yoosik Youm. (2001). Racial/Ethnic Group Differences in the Prevalence of Sexually Transmitted Diseases in the United States: A Network Explanation *Sex, love, and health in America: Private Choices and Public Policies*. Chicago: University of Chicago Press, 327-351.

Laumann, E. O., & Youm, Y. (2001). Sexual expression in America. *Sex, love, and health in America: Private Choices and Public Policies*. Chicago: University of Chicago Press, 109-148.

Book

Laumann, E. O., Ellingson, S. E., Mahay, J. E., Paik, A. E., & Youm, Y. E. (2004). *The sexual organization of the city*. University of Chicago Press.

[USA Grant Activities]

Title: UIC Center for Population Health and Health Disparities

Source: NCI/Dept. of Health and Human Services

Project Number: 1 P50 CA106743-01

Year and budget: 2003 – 2008, \$7.5 M

PI: Richard Warnecke

Role: PI for the project 2

The major goal of this project is to examine racial/ethnic disparities in breast cancer cases in Chicago area based on four related sub-projects. Especially project 2 attempts to explain racial/ethnic disparities in breast cancer prognosis by examining patients' social network embeddedness. In addition to improving the explanation of the racial/ethnic gap, this approach will also help to establish effective intervention programs at community levels as discussed in this proposal.

http://obsr.od.nih.gov/cphhd/CPHHD_Awards.htm

Title: HIV and the Sexual Networks of IDUs and Drug-Using MSM

Source: NIDA

Project number: 1 U01-DA-017378

Year and budget: 2003 – 2008, \$4.5 M

PI: Lawrence Ouellet

Role: Co-investigator

The study proposes a cross-sectional survey of 2500 IDUs and about 562 of their non-injecting sex partners, and 3000 MSM and about 450 of their female sex partners. Participants will be recruited through respondent-driven sampling (RDS) at six racially and ethnically diverse sites across Chicago in order to obtain unbiased sample of hidden population. Social/ Sexual/ Drug networks of the sample will be analyzed to examine the network structure for the prevention.

<http://www.rand.org/methodology/srg/sathcap/index.html>

Title: Sexual Network Analysis for a preventive Strategy for Syphilis in Chicago

Source: Chicago Department of Public Health

Role: PI

Year and budget: 03/01/2002 - 03/01/2003, \$25,000

The goal of the project is to help to establish efficient and effective preventive strategies for syphilis (or bad blood) for the city of Chicago, which has one of the highest syphilis infection rates in the US. Unlike the traditional research on the sexually transmitted diseases, which has focused on individual risk factors such as condom use, the number of sex partners, etc., this research examines the patterns of social/sexual ties people have and their effects on behaviors or attitudes, combined with standard statistical analysis. The 'field record' of each patient at the CDC clinics that contains detailed information on their sex partners will reveal which segments of the Chicago population are mainly responsible for high infection rates, which are not readily identifiable from traditional approaches that focus on individual level risk factors only. Segments will be defined by geographical area, racial/ethnic groups, and age, etc. Once identifying the segments that are mainly responsible for and the mechanisms through which infections travel (for example, the mechanism might be a small in size but highly sexually active group or a bridge position connecting different sub-populations that would not be connected without it, etc.), this study can establish efficient and effective preventive strategies that are specific to those segments and those mechanisms.

Role: PI