

Sun Jae Jung M.D., Ph.D., M.Sc.

Curriculum Vitae

Department of Preventive Medicine, Yonsei University College of Medicine

Department of Public Health, Yonsei University Graduate School

CONTACT INFORMATION

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Research Identity

My research aims to identify preventable causes of mental health outcomes at the population level.

Trained in epidemiology with a background in cancer epidemiology, I approach mental health not as discrete clinical events but as dynamic trajectories shaped by time, space, and system-level conditions. My work focuses on distinguishing individual-based and system-based risks, examining how social environments, service structures, and policy contexts influence the emergence, detection, and progression of mental health problems. By integrating large-scale administrative data, longitudinal cohort studies, and life-course perspectives, my research seeks to inform precision public mental health strategies that move beyond treatment-centered models toward prevention-oriented population interventions.

PROFESSIONAL APPOINTMENTS

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| 2022-pres. | Yonsei University College of Medicine
Associate professor (tenure-track)
Department of Preventive Medicine |
| 2022-2024. | Broad Institute of MIT and Harvard
Affiliated Scientist |
| 2022-2023. | Massachusetts General Hospital
Visiting Scholar
Center for Global Health |
| 2022-2023. | Harvard University
Visiting Scientist
Harvard Center for Population and Development Studies
Harvard Medical School |
| 2018-2022. | Yonsei University College of Medicine
Assistant professor (tenure-track)
Department of Preventive Medicine |
| 2018-2020 | Harvard T.H. Chan School of Public Health
Visiting Scientist
Department of Epidemiology |

2016-2018	Harvard T.H. Chan School of Public Health Yerby Post-doctoral Research Fellow Department of Epidemiology
2016	Seoul National University College of Medicine Research Instructor Department of Preventive Medicine
2015	Seoul Metropolitan Government Epidemic Intelligence Service Officer
2014-2015	Seoul National University Basic Research Fellow Department of Biomedical Science
2011-2014	Seoul National University College of Medicine Resident Department of Preventive Medicine
2010-2011	Samsung Medical Center Intern Clinician Department of Education and Training
2008-2009	World Health Organization, Bonn Office Intern Department of Environment and Occupational Health

LEADERSHIP AND ADMINISTRATIVE APPOINTMENTS

2026-Pres	Associate Vice President for International Affairs Yonsei University
2026-Pres	Chair, Policy Committee Korean Suicide Prevention Association
2026-Pres	Appointed Member National Suicide Prevention Policy Advisory Committee Republic of Korea
2024-2026	Director, Office of Student Affairs Yonsei University College of Medicine
2020-2022	Vice Director Human Resources Development Center Yonsei University Health System

EDUCATION

2014-2016	Seoul National University, Seoul, Korea
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Ph.D. in Biomedical Science

2011-2014 **Seoul National University College of Medicine**
M.S. in Medicine

2003-2009 **Yonsei University College of Medicine**
M.D.

LICENSE & CERTIFICATIONS

2014 **Board Certified in Preventive Medicine**
Certification No. 808
Ministry of Health and Welfare, Korea

2009 **Licensed as a Medical Physician**
License No. 99200
Ministry of Health and Welfare, Korea

GRANT FUNDING & FELLOWSHIPS

2026 **Co-PI**, Research Service Project on Intergenerational Trauma Transmission among Second-generation Families of the Jeju 4·3 Incident
Title: Research on the Intergenerational Transmission of Trauma among Second-generation Bereaved Families of the Jeju 4·3 Incident: Identifying Trauma Mechanisms, Symptom Profiles, and Evidence-based Recovery Models
Commissioned by: National Trauma Healing Center (국립트라우마치유센터)
Total Amount: 100,000,000 KRW (approx. \$100,000) for 8 months

2025 **PI**, Mid-career Research Program(R&D), (중견연구)
Title: : Assessing the relationship between psychological trauma and physical health outcomes: focusing on exposure patterns, disease heterogeneity, interaction between gene-trauma type-environment, and resilience
National Research Foundation of Korea (NRF)
Ministry of Science and ICT (MSIT), Korea
Total Amount: 900,000,000 won(approx. \$900,000) for 3 years

2024 **PI**, Global Physician-Scientist Training Program: Advanced Postdoctoral Research Support for Physician-Scientists (R&D)
Title: Analysis of the effects of mental health and psychological resilience on immune function and subsequent treatment outcomes: based on the causal approach of various data before and after kidney transplantation
Ministry of Health and Welfare, Korea
Total Amount: 750,000,000 won (approx. \$750,000) for 2.5 years

- 2024 **PI**, Research on Technology for Addressing Social Issues Related to Mental Health, Such as Drug Abuse and Suicide (R&D)
 Title: PROCESS-A: PROspective Cohort study Examining Self-harm and Suicide in Adolescents
 Ministry of Health and Welfare, Korea
 Total Amount: 5,000,000,000 won (approx. \$5,000,000) for 6 years
- 2023 **Co-Investigator** (PI: Jordan W Smoller), Research Project (R01) grant
 Title: International evaluation of modifiable social determinants of health on COVID-related mental health outcomes
 National Institute of Health, USA
 Subawardee: \$60,000/year x 3 years
- 2022 **Co-PI**, (PI: Jae Won Kim), Mental Health R&D project
 Title: Development of child and adolescent mental health monitoring and early intervention system
 Ministry of Health and Welfare, Korea
 Total amount: 3,880,000,000 won (approx. \$3,880,000) for 6 years
- 2022 **PI**, Mental Health R&D project
 Title: Development of mental health screening algorithm for various subjects based on COVID-19 big data analysis and evidence
 Ministry of Health and Welfare, Korea
 Total amount: 675,000,000 won (approx. \$675,000) for 6 years
- 2022 **PI**, Song-Am Bang Sook Research Grant
 Title: Association between mental health and physical health among North Korean refugees in S. Korea
 Department of Preventive Medicine, Yonsei University College of Medicine
 Total amount: 10,000,000 won (approx. \$10,000) for 1 year
- 2021 **Co-PI** (PI: Inhee Mook-Jung), National Dementia Research Center
 Title: Dementia research information integration and connection system (DPK) establishment
 Ministry of Health and Welfare, Korea
 Total amount: 4,500,000,000 won (approx. \$4,500,000) for 9 years
- 2021 **Co-PI** (PI: Young Chul Jung), Patient-centered medical technology optimization research project
 Title: Development of digital therapeutics-based discharge education program for inpatients with alcoholism
- 2020 **Co-PI**, (PI: Seung-sik Hwang),
 Title: A Study on the Planning of Panel Study for Mental Health Amid COVID-19 Pandemic
 Ministry of Health and Welfare, Korea
 Total amount: 38,800,000 won (approx. \$38,800) for 5 months
- 2020 **PI**, Basic Science Research Program (R&D) (우수신진연구)

- Title: Assessing the relationship between psychological trauma and physical health outcomes: focusing on exposure pattern, disease heterogeneity, interaction between gene-trauma type-environment, and resilience
(2020R1C1C1003502)
National Research Foundation, Korea
Total amount: 750,000,000 won (approximately \$750,000) for 5 years
- 2019 **Co-PI** (PI: Young Chul Jung), National Service Project
Title: National Health Survey Mental Health Area Questionnaire Development
Center for Disease Control and Prevention, Korea
Total Amount: \$700,000
- 2019 **Co-PI** (PI: Hyeon Chang Kim), Basic Research Laboratory
Title: Cohort and Mechanism Studies on Immunosenescence-Inflammaging
(2019028155)
Ministry of Science and ICT, National Research Foundation, Korea
Total Amount: \$ 1,250,000
- 2018-Curr **PI**, Community Health Survey
Title: Community Health Survey, Incheon-Kanghwa province
(2018-31-0312)
Center for Disease Control and Prevention, Korea
Total Amount: \$500,000/year
- 2018 **PI**, Young Researcher Program
Title: Association Between Psychological Resilience defined with various definition including Heart Rate Variability (HRV) and Inflammatory Biomarkers
(2018R1C1B5083722)
National Research Foundation, Korea
Total Amount: \$100,000
- 2018 **PI**, Yonsei University Research Faculty Research Grant.
Title: Evaluating the mediation effect of cardiometabolic factors on association between female hormone change and cognitive decline in perimenopausal women
(6-2018-0095)
Yonsei University College of Medicine
Total Amount: \$100,000
- 2018 **PI**, Yonsei University Research Development Program.
Title: Exploratory analysis of the effect of medications on Parkinson's disease incidence (2018-32-0034)
Yonsei University
Total Amount: \$10,000
- 2016 Yerby post-doctoral fellowship, Harvard T.H. Chan School of Public Health
Total Amount: \$65,000 x 2 year
- 2016 Global post-doctoral fellowship, National Research Foundations Korea
Total Amount: \$40,000/year

- 2015 Travel scholarship for Outstanding Research in Society of Epidemiologic Research, Denver, 2015
- 2015 **Co-PI** (PI: Aesun Shin), Meta-analysis Research Grant
Seoul National University
Total Amount: \$10,000

AWARDS

- 05/16/2025 Encouragement Award in the Poster Presentation
Korean Public Health Association (KPHA)
- 11/22/2024 Award for Contributions to Mental Health
Korea Disease Control and Prevention Agency (KDCA)
- 04/13/2024 Hanmi Young Medical Researcher Award
Society for Women Medical Doctors, S. Korea
- 03/17/2022 Best Young Investigator Award
Yonsei University College of Medicine
- 09/16/2021 Hyungwoodang Young Epidemiologist Award
Korean Society of Epidemiology
- 04/02/2021 Honors for the Best Survey Performance
Community Health Survey: Kanghwa Area
Korea Disease Control and Prevention Agency
- 09/25/2019 Young Investigator Award
Title: Association between Psychologic Resilience and Cognitive Function at Later Life: Effect Modification by Inflammatory Status
5th International Symposium on Resilience Research, Mainz, Germany
Total Amount: €1,000
- 04/19/2018 Award of an Excellence Poster Presentation, The 9th General Assembly and International Conference of Asian Pacific Organization for Cancer Prevention (APOCP-9)
- 09/01/2016 Yerby post-doctoral fellowship, Harvard T.H. Chan School of Public Health
Total Amount: \$65,000 x 2 year
- 03/01/2016 Global post-doctoral fellowship, National Research Foundations Korea
Total Amount: \$40,000/year
- 06/21/2016 Travel scholarship for Epidemiology Congress of America, funded by Autism Speaks, Miami, 2016
- 12/20/2015 Award for the Best Researcher of the Year, Seoul National University College of Medicine

- 12/21/2011 Best Teaching Assistant Award in Preventive Medicine, Seoul National University College of Medicine
- 2011 Award for Outstanding Poster Presentation, Korean Society for Preventive Medicine, Kyungju, 2011
- 2011 Award for Outstanding Academic Accomplishment in Preventive Medicine, Seoul National University

PEER-REVIEWED JOURNAL ARTICLES

*Corresponding author

1. Hwang HA, Jeong H, Koo JW, Kim HS, Bae S, **Jung SJ**, & Yim HW. (2026). Age-period-cohort analysis on diabetes awareness among Koreans: 2010–2023 Korea Community Health Surveys. *Yonsei Medical Journal*, 67, Article e59. <https://doi.org/10.3349/ymj.2025.0645>
2. Kim C, Lee D, Oh YW, Lee J, Park JY, & **Jung SJ***. (2026). Association between early-onset metabolic diseases and adverse mental health conditions: A nationwide cross-sectional study. *Yonsei Medical Journal*, 67(10), 744–753. <https://doi.org/10.3349/ymj.2025.0342>
3. Kim HJ, Kim KW, Seo SW, Lee JM, **Jung SJ**, Han JW, Jang H, Jhoo JH, Kim JL, Yang HW, Kim E, Choo IH, Kim S, Kim KH, Lee J, Mook-Jung I; TRR research group. Establishment of Dementia Platform Korea and the Trial Ready Registry to advance Alzheimer's disease research in Korea. *Alzheimers Dement*. 2026 Jan;22(1):e71040. doi: 10.1002/alz.71040. PMID: 41476030; PMCID: PMC12756044.
4. **Jung SJ***. (2026) Reasons for living as population signals: implications for suicide surveillance in psychiatric epidemiology. *Epidemiology and Psychiatric Sciences*. 2026;35:e52. doi:10.1017/S2045796026100961
5. Lee DW, Xiao Y, **Jung SJ***, Oh SS, Tsai AC. (2026) Network analysis of Korean happiness: a comparative study by sex, generation and income level. *Epidemiol Psychiatr Sci*. 2026 Sep 21;35:e60. doi: 10.1017/S2045796026100973. PMID: 42765130.
6. Kang S, Baek JH, Kim SJ, Kang JI, Yim HW, Nam CM, **Jung SJ***. (2026) Association between maintenance doses of mood stabilizers and antipsychotics and risk of readmission in first-episode bipolar disorder. *Mol Psychiatry*. 2026 Jul 31. doi: 10.1038/s41380-026-03782-2. Epub ahead of print. PMID: 42538393. <https://pubmed.ncbi.nlm.nih.gov/42538393/>
7. Kim L, Noh J, Park EJ, Hwang C, Lee W, Yang JS, Kim H, **Jung SJ***. (2026) Associations between food processing levels and depressive symptoms: A cross-sectional study using the Korea National Health and Nutrition Examination Survey (KNHANES) 2014-2020. *Psychiatry Res*. 2026 Jul 22;364:117336. doi: 10.1016/j.psychres.2026.117336. Epub ahead of print. PMID: 42501472. <https://pubmed.ncbi.nlm.nih.gov/42501472/>
8. Park EJ, Ahn JH, Kim L, Noh J, Hwang C, Lee W, **Jung SJ***. Differential associations of objective hearing loss and subjective hearing difficulty with depressive symptom profiles: A nationwide population-based study in Korea. *Prev Med*. 2026 Sep;210:108620. doi: 10.1016/j.ypmed.2026.108620. Epub 2026 Jun 5. Erratum in: *Prev Med*. 2026

- Sep;210:108626. doi: 10.1016/j.ypmed.2026.108626. PMID: 42250655. <https://pubmed.ncbi.nlm.nih.gov/42250655/>
9. Kim H, Kwak E, Lee D, Lee S, Lee D, Ko SJ, Baik M, Paik JW, Sim M, **Jung SJ***. (2026) Mental Health Outcomes After the Acute Phase of COVID-19: Factors Identified in a Korean Public Mental Health Service. *J Korean Med Sci.* 2026 Jun 1;41(21):e165. doi: 10.3346/jkms.2026.41.e165. PMID: 42237176; PMCID: PMC13226915. <https://pubmed.ncbi.nlm.nih.gov/42237176/>
 10. Kim E, Lee H, **Jung SJ**, Lee JW, Kim DJ, Jung Y, Kim HC. (2026) Cardiovascular Disease Risk Among Young Adults with Disabilities: A Nationwide Cohort Study. *Eur J Prev Cardiol.* 2026 Jun 10:zwag321. doi: 10.1093/eurjpc/zwag321. Epub ahead of print. PMID: 42267907. <https://pubmed.ncbi.nlm.nih.gov/42267907/>
 11. Noh J, Kim L, Hwang C, Park EJ, Yang JS, **Jung SJ***. (2026) Physical activity domains and suicidal ideation: Findings from a nationally representative Korean survey. *Psychiatry Res.* 2026 Jul;361:117132. doi: 10.1016/j.psychres.2026.117132. Epub 2026 Mar 31. PMID: 41935506. <https://pubmed.ncbi.nlm.nih.gov/41935506/>
 12. Lee Y, Yang JS, Tsai AC, Kang JI, Koo H, Yim HW, Kim HC, **Jung SJ***. (2026) Comorbidity network of post-traumatic stress and depressive symptoms during the COVID-19 pandemic in Korea. *Epidemiol Health.* 2026;48:e2026006. doi: 10.4178/epih.e2026006. Epub 2026 Jan 23. PMID: 41612826; PMCID: PMC13034016. <https://pubmed.ncbi.nlm.nih.gov/41612826/>
 13. Ahn JH, Kim H, Kim HC, Lee H, Lee YH, Lloyd-Jones DM, **Jung SJ***. (2026) Association between cardiovascular health measured by Life's Essential 8 and depressive symptoms. *Epidemiol Health.* 2026;48:e2026013. doi: 10.4178/epih.e2026013. Epub 2026 Feb 27. PMID: 41856049. <https://pubmed.ncbi.nlm.nih.gov/41856049/>
 14. Noh J, Yang JS, Lee D, Heo Y, Ahn JH, Kim H, **Jung SJ***. (2026) Psychiatric and psychosocial determinants of suicidality: Findings from a national mental health survey in Korea. *J Affect Disord.* 2026 Feb 1;394(Pt B):120651. doi: 10.1016/j.jad.2025.120651. Epub 2025 Nov 11. PMID: 41232693. <https://pubmed.ncbi.nlm.nih.gov/41232693/>
 15. Kim, H., Mook-Jung, I., Kim, K., Seo, S., Lee, J., **Jung, SJ.**, Bae, H., & Lee, J. (2026). Establishing the Trial Ready Registry and Dementia Platform Korea system to advance AD research in Korea. *Alzheimer's & Dementia*, 19. <https://pubmed.ncbi.nlm.nih.gov/41476030/>
 16. Kim H, Lee Y, Kwak E, Lee D, Hyun SY, Kang K, Son M, Baik M, Paik JW, Sim M, **Jung SJ***. (2025) Developing a Prediction Model for Suicidality Among COVID-19 Patients in Korea Using Timely Data From the National Center for Disaster and Trauma. *J Korean Med Sci.* 2025 Aug 18;40(32):e192. doi: 10.3346/jkms.2025.40.e192. PMID: 40827319; PMCID: PMC12360907. <https://pubmed.ncbi.nlm.nih.gov/40827319/>
 17. Oh YW, Lee D, Jung YE, **Jung SJ***. (2025) Mental Disorders Mediate the Relationship Between Adverse Childhood Experiences and Suicidal Behavior in a High-risk Population: A Counterfactual Analysis From Jeju Island. *J Prev Med Public Health.* 2025 Sep;58(5):505-515. doi: 10.3961/jpmph.25.120. Epub 2025 May 7. PMID: 40534363; PMCID: PMC12530974. <https://pubmed.ncbi.nlm.nih.gov/40534363/>

18. Lee D, Kim HC, Jung YC, **Jung SJ***.(2025) Association between perceived exposure to secondhand smoke and depression independent of biomarker-measured exposure. BMC Public Health. 2025 Aug 25;25(1):2917. doi: 10.1186/s12889-025-23967-8. PMID: 40855424; PMCID: PMC12376406. <https://pubmed.ncbi.nlm.nih.gov/40855424/>
19. **Jung SJ***, Lee D, Yang JS, Kang S, Kim H, Ahn JH, Heo Y, Noh J, Kim C, Kim HC.(2025) Cohort profile: Cardiovascular Metabolic Etiological Research Center COVID-19 Mental Health Survey (CC-MHS). Epidemiol Health. 2025;47:e2025033. doi: 10.4178/epih.e2025033. Epub 2025 Jun 30. PMID: 40610010; PMCID: PMC12425857. <https://pubmed.ncbi.nlm.nih.gov/40610010/>
20. Cho M, Han J, Choi H, Shim JS, **Jung SJ**, Lee H, Kim HC. (2025) Age-stratified association between isolated diastolic hypertension and carotid intima-media thickness: results from the Cardiovascular and Metabolic Diseases Etiology Research Center (CMERC) Study. Cardiovasc Prev Pharmacother. 2025;7(4):109-119.
21. Kim C, Lee D, Oh YW, **Jung SJ***. (2025) Association between parental and child influenza vaccination: A national health survey analysis. Vaccine. 2025 Jun 3;61:127345. doi: 10.1016/j.vaccine.2025.127345. Epub ahead of print. PMID: 40466486. <https://pubmed.ncbi.nlm.nih.gov/40466486/>
22. Kang S, Yang JS, Yun BH, Gelaye B, An SK, **Jung SJ***.(2025) Antipsychotic continuation during pregnancy and risk of postpartum relapse in women with schizophrenia: nationwide register-based study. Br J Psychiatry. 2025 Sep;227(3):614-621. doi: 10.1192/bjp.2024.247. Epub 2025 Jan 10. PMID: 39789797; PMCID: PMC12425161.
23. Kim E, **Jung SJ***. (2024). Longitudinal Intercausal Relationships Among Self-esteem, Acculturation Stress, and School Adjustment of Middle School Students from Multicultural Families: A Focus on Gender Multigroup Analysis. Health and Social Welfare Review, 44(3), 28–51. <https://doi.org/10.15709/HSWR.2024.44.3.28>
24. Lee D, Bae MJ, Kim MJ, Oh SS, Park KS, Lee CJ, Park S, Lee SK, Koh SB, **Jung SJ**, Kim C, Cho J.(2024) Polycyclic Aromatic Hydrocarbons Mediate the Association between Tobacco Smoking and Alcohol Use Disorder. Yonsei Med J. 2024 Dec;65(12):752-760. doi: 10.3349/ymj.2023.0488. PMID: 39609090; PMCID: PMC11605045. <https://pmc.ncbi.nlm.nih.gov/articles/PMC11605045/>
25. Kang S, Kim J, Yang JS, Jeon YJ, Lee HH, Suglia SF, Tsai AC, Kang JI, **Jung SJ***. (2024) Use of renin-angiotensin system blockers and posttraumatic stress disorder risk in the UK Biobank: a retrospective cohort study. BMC Med. 2024 Oct 23;22(1):489. doi: 10.1186/s12916-024-03704-5. PMID: 39443947; PMCID: PMC11515478. <https://pubmed.ncbi.nlm.nih.gov/39443947/>
26. Yang JS, Kang S, Kim K, Tsai AC, Cho CH, **Jung SJ***.(2024) Breast Cancer Risk among Women with Schizophrenia and Association with Duration of Antipsychotic Use: A Population-based Cohort Study in South Korea. Br J Psychiatry. 2024 Oct 31:1-7. doi: 10.1192/bjp.2024.170. Epub ahead of print. PMID: 39480277. <https://pubmed.ncbi.nlm.nih.gov/39480277/>
27. Kang S, Han M, Park CI, Jung I, Kim E, **Jung SJ**, Kim SJ, Kang JI.(2024) Association between depressive symptoms and cardiovascular diseases in the Korean geriatric population: A nationwide retrospective cohort study. J Affect Disord. 2024 Jun 10;361:182-188. doi:

- 10.1016/j.jad.2024.06.022. Epub ahead of print. PMID: 38866251. <https://pubmed.ncbi.nlm.nih.gov/38866251/>
28. Kim H, Yang JS, Kim JW, **Jung SJ***(2024) Interaction of sexual violence perpetration and victimization on suicide attempts in Korean adolescents on additive and multiplicative scales: a population-based cross-sectional study. *Soc Psychiatry Psychiatr Epidemiol.* 2024 Sep 20. doi: 10.1007/s00127-024-02767-2. Epub ahead of print. PMID: 39302427. <https://pubmed.ncbi.nlm.nih.gov/39302427/>
 29. Hoang MT, **Jung SJ**, Lee H, Kim HC.(2024) Parent-Offspring Associations of Ideal Cardiovascular Health Metrics: Findings From the 2014 to 2021 Korea National Health and Nutrition Examination Survey. *J Am Heart Assoc.* 2024 Jan 16;13(2):e030995. doi: 10.1161/JAHA.123.030995. Epub 2024 Jan 12. PMID: 38214252; PMCID: PMC10926814. <https://pubmed.ncbi.nlm.nih.gov/38214252/>
 30. Lee D, Hyun SY, Kim H, Kwak E, Lee S, Baik M, Paik JW, Sim M, **Jung SJ***(2024) Comparative analysis of mental health impairment among COVID-19 confirmed cases across the pandemic period in South Korea. *Asian J Psychiatr.* 2024 Sep 5;101:104233. doi: 10.1016/j.ajp.2024.104233. Epub ahead of print. PMID: 39265382. <https://pubmed.ncbi.nlm.nih.gov/39265382/>
 31. Lee DW, Kim K, Hyun J, **Jung SJ***(2024) Depressive symptoms and neuroticism mediate the association between traumatic events and suicidality - A latent class mediation analysis of UK Biobank Database. *J Affect Disord.* 2024 Jul 1;356:13-21. doi: 10.1016/j.jad.2024.03.171. Epub 2024 Apr 6. PMID: 38588726. <https://pubmed.ncbi.nlm.nih.gov/38588726/>
 32. Kim K, Lee DW, **Jung SJ***. (2024) Role of individual deprivation and community-level deprivation on suicidal behaviors: Insights from the UK Biobank study. *SSM Popul Health.* 2024 Mar 20;26:101654. doi: 10.1016/j.ssmph.2024.101654. PMID: 38544695; PMCID: PMC10966313. <https://pubmed.ncbi.nlm.nih.gov/38544695/>
 33. Harriman NW, Ohene-Kwofie D, **Jung SJ**, Hermosilla S, Gómez-Olivé FX, Jennings EA. (2024) In-Person Social Interactions and Anxiety During the COVID-19 Pandemic: Exploring the Role of Household Size and Virtual Social Contact Among Midlife and Older Black South African Adults. *J Gerontol B Psychol Sci Soc Sci.* 2024 Apr 1;79(4):gbad175. doi: 10.1093/geronb/gbad175. PMID: 38124487; PMCID: PMC10941638. [https://pubmed.ncbi.nlm.nih.gov/38124487/#:~:text=Results%3A%20Declines%20in%20in%2Dperson,032\).](https://pubmed.ncbi.nlm.nih.gov/38124487/#:~:text=Results%3A%20Declines%20in%20in%2Dperson,032).)
 34. Ahn JH, Yang JS, Jung J, Kang S, **Jung SJ**.* (2024) Association between hearing loss and suicidal ideation: Discrepancy between pure tone audiometry and subjective hearing level. *J Affect Disord.* 2023 Oct 13;344:495-502. doi: 10.1016/j.jad.2023.10.063. Epub ahead of print. PMID: 37838269. <https://pubmed.ncbi.nlm.nih.gov/37838269/>
 35. Kang JH, Park SC, Jung HI, **Jung SJ**, Park HJ, Kim SM, Jo MJ, Lee YS, Han SY. (2024) Validation of the Korean Academy of Geriatric Dentistry screening questionnaire and oral frailty diagnostic criteria in community-dwelling older adults. *Epidemiol Health.* 2024;46:e2024008. doi: 10.4178/epih.e2024008. Epub 2023 Dec 11. PMID: 38186249; PMCID: PMC11099569. <https://pubmed.ncbi.nlm.nih.gov/38186249/>

36. Han J, Baek HJ, Noh E, Yoon K, Kim JA, Ryu S, Lee KO, Park NY, Jung E, Kim S, Lee H, Hwang YS, Jung J, Lee HJ, Cho SI, Oh S, Kim M, Oh CM, Yu B, Hong YS, Kim K, **Jung SJ**, Han MA, Lee MS, Lee JJ, Hwangbo Y, Yim HW, Kim YM, Lee J, Lee WY, Park JH, Oh S, Jo HS, Kim H, Kang G, Nam HS, Lee JH, Oh GJ, Shin MH, Ryu S, Hwang TY, Park SW, Kim SK, Seol R, Park KS, Kim SY, Kwon JW, Kim SS, Kim B, Lee JW, Jang EY, Kim AR, Nam J, Lee SY, Kim DH. (2023) Korea Seroprevalence Study of Monitoring of SARS-COV-2 Antibody Retention and Transmission (K-SEROSMART): findings from national representative sample. *Epidemiol Health*. 2023;45:e2023075. doi: 10.4178/epih.e2023075. Epub 2023 Aug 17. PMID: 37591786. <https://pubmed.ncbi.nlm.nih.gov/37591786/>
37. Baek JH, **Jung SJ**, Peters A, Kantarci A, Nirenberge AA. (2023) Association between periodontal diseases and bipolar disorder: implications for therapeutic interventions: A narrative review. *Precis Future Med*, 2023. 7(3): p. 117-122. <https://www.pfmjournal.org/journal/view.php?number=150>
38. Yang JS, Lee YJ, Kim HC, Cho CH, Tsai AC, **Jung SJ***(2023) Association between social networks and symptoms of post-traumatic stress during the pandemic: Cohort study in South Korea. *Compr Psychiatry*. 2023 Nov;127:152432. doi: 10.1016/j.comppsy.2023.152432. Epub 2023 Oct 13. PMID: 37856975.. <https://pubmed.ncbi.nlm.nih.gov/37856975/>
39. Lee DW, Lee HS, Kim SG, Kim KJ, **Jung SJ***. (2023) The rocky road to freedom: number of countries transited during defection and risk of metabolic syndrome among North Korean Refugees in South Korea. *Public Health*. 2023 Aug;221:208-215. doi: 10.1016/j.puhe.2023.06.019. Epub 2023 Jul 23. PMID: 37490839. <https://pubmed.ncbi.nlm.nih.gov/37490839/>
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BOOKS

Authored Books

1. Jung, Sun Jae. (2026). *The Mind Mirrors Society: A New Population-Based Perspective on Mental Health*. Seoul Medical Books.
 - 『마음은 사회를 닮는다: 정신건강을 인구집단으로 읽는 새로운 시선』
 - 단독저서
2. Jung, Sun Jae. (2024). *Foundations of Psychiatric Epidemiology: Methods and Applications*. Hanul Academy.
 - 『정신역학의 기초: 방법과 활용』
 - 단독저서
3. Yoo, Keun-Young, et al. (2022). *Textbook of Cancer Epidemiology*. Hannarae Publishing.
 - 『암 역학 교과서』
 - 공저자

Book Translations

1. Berkman, Lisa F., Kawachi, Ichiro, and Glymour, Maria M., eds. (2021). *Social Epidemiology* (2nd ed., Korean translation). Hanul Academy.
 - 『사회역학』 제 2 판
 - Chapter 3, “Discrimination and Health Inequities” 공동번역: Sun Jae Jung and Yong Woo Jeon
2. Elwood, J. Mark. (2023). *Critical Appraisal of Epidemiological Studies and Clinical Trials* (Korean translation). Kyechuk Munhwasa.
 - 『역학연구와 임상시험에 대한 비판적 평가』

TEACHING EXPERIENCE

*Nominated for Outstanding Student Instructor Award (2011)

2022-Curr **Psychiatric Epidemiology and Population Mental Health**
 Department of Preventive Medicine
 Yonsei University College of Medicine
 Professor in charge/ Associate Professor

2018-Curr. **Causal Inference in Epidemiology**
 Department of Preventive Medicine
 Yonsei University College of Medicine
 Professor in charge/ Assistant/Associate Professor

- 2019-Curr. **Epidemiology**
Department of Public Health
Yonsei University Graduate school
Professor in charge/ Main Lecturer /Assistant/Associate Professor
- 2018-Curr. **Preventive Medicine: Epidemiology**
Department of Preventive Medicine
Yonsei University College of Medicine
Main Lecturer/ Assistant Professor
- 2022 **Current trend in epidemiology research**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Associate Professor
- 2022 **Epidemiology**
Department of Public Health
Yonsei University Graduate school
Professor in charge/ Main Lecturer /Associate Professor
- 2021-Curr **Methods in Neuro-psychiatric Epidemiology**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Assistant/Associate Professor
- 2020 **Current trend in epidemiology research**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Assistant Professor
- 2019 **Methods in Cohort study**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Assistant Professor
- 2019-2022. **Weekly Seminars in Public Health and Preventive Medicine**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Assistant Professor
- 2018-2022. **Journal review of Emerging themes in Epidemiology and Environmental Health**
Department of Preventive Medicine
Yonsei University College of Medicine
Professor in charge/ Assistant Professor
- 2019 **Clinical Epidemiology**
Department of Preventive Medicine
Yonsei University College of Medicine
Main Lecturer/ Assistant Professor

- 2015 **Introduction to Meta-analysis**
Department of Preventive Medicine, Seoul National University
Graduate Student Instructor (discussion classes)
With: Aesun Shin, M.D. Ph.D.
- 2014-2015 **Advanced Epidemiology in Preventive Medicine**
Department of Preventive Medicine, Seoul National University
Graduate Student Instructor (grader)
With: Yun-Chul Hong, M.D., Ph.D.; Aesun Shin M.D., Ph.D.
- 2012 **Molecular Cancer Epidemiology**
Department of Biomedical Science, Seoul National University
Graduate Student Teaching assistant (led 3 discussion classes)
With: Ji-Yeob Choi, Ph.D.
- 2012 **Ethics in Biomedical Science**
Department of Biomedical Science, Seoul National University
Graduate Student Teaching Assistant (led 3 discussion class)
With: Mikyung Kim, M.D. J.D.
- 2011-2013 **Basic Medical Statistics**
Department of Preventive Medicine, Seoul National University
Undergraduate Student Instructor (led 3 discussion classes)
With: Byung-Joo Park, M.D. Ph.D.
- 2011-2013 **Patient-Doctor-Society & Health Policy Management**
Department of Health Policy Management, Seoul National University
Undergraduate Student Instructor (led 1.5 discussion class)
- 2011-2013 **Occupational and Environmental Medicine**
Department of Preventive Medicine, Seoul National University
Undergraduate Student Instructor (led 2.5 discussion class)
- 2011-2013 **Research Methodology in Biomedical Science**
Department of Biomedical Science, Seoul National University
Graduate Student Teaching Assistant (led 3 discussion class)
- 2011-2013 **Preventive Medicine**
Department of Preventive Medicine, Seoul National University
Undergraduate Student Instructor (led 3 discussion class)

Dissertation and Research Advising

Graduated (16)

Post-doctoral Advising

Yu Jin Lee, Eunhye Kim, Ji Su Yang Doowoong Lee, Hyejin Kim(5)

Physician-Scientist (post-doctoral) Advising:

Sunghyuk Kang, Kwanghyun Kim(2)

PhD

Youngrong Lee, Yu Jin Lee, Ji Su Yang, Kwanghyun Kim, Sunghyuck Kang, Hyejin Kim (6)

MPH

Yu Jin Lee, Ye Jin Jeon, Minseo Park, Jimin Kim, Jeonghyun Ahn, Dongkyu Lee(6)

Active (14)

Post-doctoral Advising

Lita Kim, Eunjae Kim(2)

Physician-Scientist (post-doctoral) Advising:

Dongkyu Lee (1)

Doctoral Advising (full-time)

Jeonghyun Ahn, Yunsung Heo, Dongkyu Lee, Jieun Roh (6)

Master Advising(full-time)

Chaelin Hwang, Sooyoung Kim, Eungjoo Park, Sungmin Kim (4)

Doctoral and Master thesis advising

Eunji Kim, Ga Bin Lee, Jihye Park, Yunjeong Choi, Seungwon Lee, Yu Jin Lee, Ye Jin Jeon, Kiwoong Choi, Anni Sultana, Sunyoung Shim, Jongmin Baek, Yeoul Han, Thang HM, Jiyeon Han, Hyejin Kim, Hyemin Jeon, Moses Song, MinJee Lee, Diana H Hidango, Jimin Kim, Youngrong Lee, Yu Jin Lee, Jeong Hyun Ahn, Dongkyu Lee, Hyejin Kim, Kwanghyun Kim, Sunghyuck Kang, Yeoul Han, JiSu Park (29)

Undergraduate mentoring

Dongkyu Lee, Sun Wook Jung, Soo-young Hwang, Jae-wook Ji, Ji-heon Lee, Byungkwan Ha, Taekyung Lee, Sung-eun Kim, Young Suk, Min-jeong Han, Ji Min Hwang, Min-hyuck Kim, Jinhyuck Suk, Dongkyu Lee, Hyewon Jang, Seungyoon Baek, Minjae Lee, Sungeun Kim, Onyou Kim, Woosuk Ko, Jongkyung Roh, Juhye Lee (22)

PROFESSIONAL AFFILIATIONS

- SSM-Mental Health-Editor
- Health and Social Research-Editor
- Society of Epidemiologic Research-Member
- International Epidemiological Association-Member
- Korea Medical Association-Member
- Korean Society of Epidemiology- Head of Education Committee
- Korean Society of Preventive Medicine-Member
- National Center for Mental Health – advisory board
- National Evidence-based Healthcare Collaborating Agency– advisory board

SHORT BIOGRAPHY

Sun Jae Jung, MD, PhD, is an Associate Professor in the Department of Preventive Medicine at the Yonsei University College of Medicine, Korea, where she teaches epidemiological methods and causal inference.

Dr. Jung is a leading epidemiologist whose research program applies advanced epidemiological and causal inference methods to elucidate the dynamic, bidirectional relationships between mental and physical health. She has developed a substantial body of work investigating how major mental health conditions—including post-traumatic stress disorder (PTSD) and major depressive disorder—interact with cardiovascular, endocrine, and reproductive health across the life course.

As Principal Investigator of Korea's first nationwide child and adolescent self-harm and suicide cohort, she has played a pioneering role in establishing population-level evidence on youth suicide and self-harm. She also serves as the PI for a transdisciplinary hospital-based cohort built in collaboration between clinical disciplines and preventive medicine, grounded in transplant surgery and designed to bridge biological, behavioral, and clinical epidemiology. Across these platforms, she leads multiple studies integrating national big data—including electronic health records, registries, and claims databases—to investigate the interplay between PTSD, trauma exposure, and physical health outcomes.

Her research further examines how biological and social determinants jointly shape suicidal behaviors, psychological resilience, and long-term mental health trajectories. Dr. Jung has served as Principal Investigator or Co-Principal Investigator on major national projects supported by more than \$20 million from the Korean Ministry of Health and Welfare and other national funding agencies.

Her excellence has been recognized with several prestigious awards, including the Young Investigator Award at the International Symposium on Resilience Research (2019), the Young Epidemiologist Award from the Korean Society of Epidemiology (2021), and the Hanmi Young Medical Scientist Award from the Korean Medical Women's Association (2024).

Dr. Jung completed her MD at Yonsei University College of Medicine, received her board certification in Preventive Medicine from Seoul National University College of Medicine, earned her PhD in Epidemiology from Seoul National University, and completed postdoctoral training as a Yerby Fellow at the Harvard T.H. Chan School of Public Health.

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