



## Julie Jung Hyun Lee

Clinical Assistant Professor, Medicine - Primary Care and Population Health

### Bio

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#### BIO

Dr. Julie J. Lee is a board-certified physician in Internal Medicine, Obesity Medicine, and Clinical Informatics at Stanford, where she works at the intersection of technology, precision health, and real-world clinical care.

As Health Equity Informaticist in Stanford's Division of Primary Care and Population Health, she leads data-informed strategies to evaluate and integrate digital health tools into clinical environments. Her work spans AI in healthcare, remote patient monitoring, patient portal communication, and clinical decision support, with a focus on ensuring these tools are clinically grounded, operationally feasible, and built around how patients and clinicians actually work. She advises industry and innovators on what it takes to move from promising technology to real-world impact.

Her clinical practice centers on obesity medicine and cardiometabolic health, where she applies precision health approaches to challenge one-size-fits-all frameworks. She advocates for moving beyond outdated BMI-driven care toward more meaningful measures like body composition, and for building evidence that reflects the full diversity of patients, including Asian and Native Hawaiian and Pacific Islander communities.

Health equity and ethics shape how she approaches her work across research, clinical practice, and technology evaluation. As a clinician who speaks both the language of medicine and the language of technology, she brings a critical perspective to what AI can do, what it should do, and who it should serve.

#### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine - Primary Care and Population Health

#### ADMINISTRATIVE APPOINTMENTS

- Health Equity Informaticist, Primary Care & Population Health, (2022- present)

#### HONORS AND AWARDS

- Physician Wellness Poster Finalist, American College of Physicians (04/2024)
- Center of Digital Health Student Grant, Stanford Center of Digital Health (04/2024)
- Fellow Abstract Award, American Society of Addiction Medicine (02/2024)
- ODME Conference Scholarship, Stanford School of Medicine Office of Diversity Equity and Inclusion (02/2024)
- Fellowship Research Scholarship, Stanford Pediatrics Fellowship (11/2023)
- Quality Improvement Abstract Award, American College of Physicians (10/2023)

- Overall Innovation Award, Stanford Quality Improvement & Patient Safety Symposium (05/2023)
- Future Physician Leader, High Value Practice Academic Alliance (02/2021)
- Research Honors, University at Buffalo (05/2019)
- Clinical Research First Place Award, Academy of Women's Health (04/2017)
- Clarence Darrow Leadership Award, Rotaract Club of Columbia University (10/2010)
- Milken Scholar, Milken Family Foundation - Milken Institute (05/2007)

## PROFESSIONAL EDUCATION

- Fellowship, Stanford University , Clinical Informatics
- Residency, University of California, Riverside , Internal Medicine
- Internship, University of California, Riverside , Internal Medicine
- MD, University at Buffalo , Medicine
- MPH, Yale University , Epidemiology
- BA, Columbia University , Psychology

## LINKS

- Julie Lee Website: <https://drjulielee.carrd.co/>

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Clinical Informatics (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Designing for Usability Optimizing Human-Computer Interaction** *MEDICAL CLINICS OF NORTH AMERICA*  
Lingam, V., Lee, J., Perkins, R.  
2026; 110 (2): 177-189
- **Narrative Medicine Workshop on Climate Change for Physicians: A Brief Case on Advocacy Skill-Building.** *Journal of general internal medicine*  
Kiesewetter, A., Kim, Y., Edwards, L. M., Lee, J. J.  
2025
- **Transforming the Primary Care Journey with Generative AI: A Foundation Model to Boost Efficiency, Quality, and Engagement.** *Journal of general internal medicine*  
Yang, B., Lee, J. J., Tsai, T., Sattler, A. L., Shah, S., Smith, M. A., Lin, S.  
2025
- **Data Transformation to Advance AI/ML Research and Implementation in Primary Care** *ANNALS OF FAMILY MEDICINE*  
Tsai, T., Lee, J. J., Phillips, R., Lin, S.  
2025; 23 (4): 363-367
- **Continuous Glucose Monitoring (CGM) User Experience in Pediatric Hospital Diabetes Management**  
Lee, M., Ortega, H., Belanger, K., Jones, S. M., Lee, J. J. H., Chow-Parmer, C., Suarez, C., Maahs, D. M., Prahallad, P., Lal, R., Hughes, M. S., Shah, S.  
AMER DIABETES ASSOC.2025
- **Red teaming ChatGPT in medicine to yield real-world insights on model behavior.** *NPJ digital medicine*  
Chang, C. T., Farah, H., Gui, H., Rezaei, S. J., Bou-Khalil, C., Park, Y. J., Swaminathan, A., Omiye, J. A., Kolluri, A., Chaurasia, A., Lozano, A., Heiman, A., Jia, et al

2025; 8 (1): 149

- **Clinical decision support in the electronic health record: a primer for antimicrobial stewards and infection preventionists: work smarter so end users don't work harder.** *Antimicrobial stewardship & healthcare epidemiology : ASHE*  
Smith, M. R., Lee, J. J., Holubar, M., Salinas, J. L., Sampson, M. M., Medford, R. J., Chang, A.  
2024; 4 (1): e204
- **Perspectives on Artificial Intelligence-Generated Responses to Patient Messages.** *JAMA network open*  
Kim, J., Chen, M. L., Rezaei, S. J., Liang, A. S., Seav, S. M., Onyeka, S., Lee, J. J., Vedak, S. C., Mui, D., Lal, R. A., Pfeffer, M. A., Sharp, C., Pageler, et al  
2024; 7 (10): e2438535
- **Empowering Hospitalized Patients With Diabetes: Implementation of a Hospital-wide CGM Policy With EHR-Integrated Validation for Dosing Insulin.** *Diabetes care*  
Lee, M. Y., Seav, S. M., Ongwela, L., Lee, J. J., Aubyrn, R., Cao, F. Y., Kalinsky, A., Aparicio Ramos, O., Gu, Y., Kingston, K., Ivanovic, M., Buckingham, B. A., Desai, et al  
2024
- **Implementation of an EHR-Integrated Hospital-Wide CGM Protocol for Insulin Dosing**  
Seav, S. M., Lee, M., Ongwela, L., Aubyrn, R., Cao, F., Lee, J. J. H., Kalinsky, A. F., Ramos, O., Gu, Y. M., Ivanovic, M. M., Buckingham, B. A., Desai, D., Lal, et al  
AMER DIABETES ASSOC.2024
- **Right Patient, Right Specialist, Right Time: Retrieval Augmented Generation for Specialty Referral Routing.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
Haredasht, F. N., Goh, E., Ravi, V., Ashtari, P., Jiang, Y., Yuldashev, N., Grolleau, F., Gallo, R. J., Shah, A., Hur, E., Chopra, K., Jee, O., Lee, et al  
2024; 2024: 443-450
- **Reimagining Primary Care With AI: A Future Within Reach**  
Shah, S., et al  
Practice UPdate.  
2024
- **Paging the Clinical Informatics Community: Respond STAT to Dobbs v Jackson's Women's Health Organization.** *Applied clinical informatics*  
Arvais-Anhalt, S., Ravi, A., Weia, B., Aarts, J., Ahmad, H. B., Araj, E., Bauml, J. A., Benham-Hutchins, M., Boyd, A. D., Brecht-Doscher, A., Butler-Henderson, K., Butte, A., Cardillo, et al  
2022
- **After menopause, is an enlarging middle, an enlarging cardiovascular risk factor?** *Menopause (New York, N.Y.)*  
Lee, J. J., Shufelt, C. L.  
2020; 27 (9): 974-975
- **Cardiovascular implications of gender-affirming hormone treatment in the transgender population.** *Maturitas*  
Dutra, E., Lee, J., Torbati, T., Garcia, M., Merz, C. N., Shufelt, C.  
2019; 129: 45-49
- **Age at Menarche and Risk of Cardiovascular Disease Outcomes: Findings From the National Heart Lung and Blood Institute-Sponsored Women's Ischemia Syndrome Evaluation.** *Journal of the American Heart Association*  
Lee, J. J., Cook-Wiens, G., Johnson, B. D., Braunstein, G. D., Berga, S. L., Stanczyk, F. Z., Pepine, C. J., Bairey Merz, C. N., Shufelt, C. L.  
2019; 8 (12): e012406
- **Lagged Versus Difference Score Regression: An Example From a Community-Based Educational Seminar Evaluation** *Pedagogy in Health Promotion*  
Valente, T., Lee, J., et al  
2017
- **Clinical characteristics associated with Spitz nevi and Spitzoid malignant melanomas: the Yale University Spitzoid Neoplasm Repository experience, 1991 to 2008.** *Journal of the American Academy of Dermatology*  
Lott, J. P., Wititsuwannakul, J., Lee, J. J., Ariyan, S., Narayan, D., Kluger, H. H., Lazova, R.  
2014; 71 (6): 1077-82

- **The Association Of Acculturation And Poor Nutritional Behavior Among Latinos In The Los Angeles County Health Survey 2007**  
Lee, J. J.  
Public Theses.  
2013
- **Artificial Physics, Swarm Engineering, and the Hamiltonian Method** *World Congress on Engineering and Computer Science*  
Kazadi, S., Lee, J. J., Lee, J.  
2007