Stanford



Lianne Kurina

David and Lucile Packard Foundation Professor of Human Biology and Professor (Teaching), by courtesy, of Epidemiology and Population Health

Medicine - Primary Care and Population Health

Bio

ACADEMIC APPOINTMENTS

- Professor-Teaching, Medicine - Primary Care and Population Health
- Professor-Teaching (By courtesy), Epidemiology and Population Health

ADMINISTRATIVE APPOINTMENTS

- Senior Associate Vice Provost, Office of the Vice Provost for Undergraduate Education, (2025- present)
- Bing Director of the Program in Human Biology, Stanford University, (2019-2025)
- Director, Stanford Military Data Repository, Stanford University School of Medicine, (2015-2022)

HONORS AND AWARDS

- Excellence in Teaching Award, Phi Beta Kappa Northern California (2023)
- Hasenkamp Award, Phi Beta Kappa Northern California (2023)
- Dean's Award for Distinguished Teaching in the School of Humanities and Sciences, Stanford University (2022)
- Distinguished Faculty Award Winner: Distinguished Educator/Mentor, University of Chicago Biological Sciences Division (2013)

PROFESSIONAL EDUCATION

- BSc, Princeton University , Biology (1992)
- PhD, Stanford University , Biology (1998)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our research program from 2015-2024 focused on the physical and mental health of active-duty U.S. Army soldiers. We developed and utilized the Stanford Military Data Repository (SMDR) in collaboration with colleagues at the Army's Office of the Surgeon General to conduct large-scale cohort studies addressing disability, heat injury, musculoskeletal injuries, pregnancy outcomes, and behavioral health outcomes among soldiers.

Teaching

COURSES

2026-27

- Development and Epidemiology: HUMBIO 4B (Spr)
- Introduction to Statistics for the Health Sciences: HUMBIO 88 (Win)

2025-26

- Development and Epidemiology: HUMBIO 4B (Spr)
- Introduction to Statistics for the Health Sciences: HUMBIO 88 (Win)

2024-25

- Behavior, Health, and Development: HUMBIO 4B (Spr)
- Human Biology Practicum: HUMBIO 191 (Aut, Win, Spr, Sum)
- Introduction to Statistics for the Health Sciences: HUMBIO 88 (Win)
- Principles of Epidemiology: HUMBIO 154B (Aut)

2023-24

- Behavior, Health, and Development: HUMBIO 4B (Spr)
- Introduction to Statistics for the Health Sciences: HUMBIO 88 (Win)
- Principles of Epidemiology: HUMBIO 154B (Aut)

STANFORD ADVISEES

Iliana Close

Undergraduate Major Advisor

Eli Andino-Frydman, Iliana Close

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (PhD Program)
- Epidemiology (PhD Program)

Publications

PUBLICATIONS

- **A Descriptive Analysis of the Seasonal Patterns of Bone Stress Injury Incidence in Division I Collegiate Distance Runners.** *The American journal of sports medicine*
  Wolff, A., Kurina, L. M., Sainani, K. L., Tenforde, A. S., Nattiv, A., Fredericson, M.
  2025: 3635465241307231
- **Incidence and Predictors of Postpartum Depression Diagnoses among Active-Duty U.S. Army Soldiers.** *Journal of women's health (2002)*
  Wu, S., Kaplan, J., Trautwein, M. L., Nelson, D. A., Duong, A., Woolaway-Bickel, K., Shaw, J. G., Shaw, K. A., Kurina, L. M.
  2024
- **Postpartum long-acting reversible contraceptive use among active-duty, female U.S. Army soldiers.** *American journal of obstetrics and gynecology*
  Eastin, E. F., Nelson, D. A., Shaw, J. G., Shaw, K. A., Kurina, L. M.
  2023
- **Physical Fitness in Relationship to Depression and Post-Traumatic Stress Disorder During Pregnancy Among U.S. Army Soldiers.** *Journal of women's health (2002)*
  Panelli, D. M., Nelson, D. A., Wagner, S., Shaw, J. G., Phibbs, C. S., Kurina, L. M.
  2023
- **Associations between physical fitness, depression, and PTSD during pregnancy among US Army soldiers**
  Panelli, D. M., Wagner, S., Phibbs, C. S., Shaw, J. G., Nelson, D., Kurina, L.
  MOSBY-ELSEVIER.2023: S121
- **Service discharges among US Army personnel with selected musculoskeletal and skin conditions: a retrospective cohort study.** *BMJ open*
  Nelson, D. A., Kaplan, R. M., Weisman, M. H., Kurina, L. M.

2022; 12 (10): e063371

- **Post-Traumatic Stress Disorder Among US Army Drone Operators** *AEROSPACE MEDICINE AND HUMAN PERFORMANCE*
  Nelson, D., Wilson, M., Kurina, L. M.
  2022; 93 (7): 562-570
- **Incidence of Ankylosing Spondylitis Among Male and Female United States Army Personnel.** *Arthritis care & research*
  Nelson, D. A., Kaplan, R. M., Kurina, L. M., Weisman, M. H.
  2021
- **The sense of presence: lessons from virtual reality** *RELIGION BRAIN & BEHAVIOR*
  Erickson-Davis, C., Luhrmann, T. M., Kurina, L. M., Weisman, K., Cornman, N., Corwin, A., Bailenson, J.
  2021
- **Health seeking behavior after the 2013-16 Ebola epidemic: Lassa fever as a metric of persistent changes in Kenema District, Sierra Leone.** *PLoS neglected tropical diseases*
  Koch, M. R., Kanneh, L., Wise, P. H., Kurina, L. M., Alhasan, F., Garry, R. F., Schieffelin, J. S., Shaffer, J. G., Grant, D. S.
  2021; 15 (7): e0009576
- **An investigation of sickle cell trait, body mass index, and fitness in relation to venous thromboembolism among African American adults.** *Journal of thrombosis and haemostasis : JTH*
  Nelson, D. A., Deuster, P. A., O'Connor, F. G., Edgeworth, D. B., Kurina, L. M.
  2021
- **Investigating Health Information Technology Usage by Sociodemographic Subpopulations to Increase Community Engagement in Healthcare: An Analysis of the Health Information National Trends Survey.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Rajamani, G., Kurina, L., Rosas, L. G.
  2021; 2021: 1029-1038
- **Military Occupational Disability Risk Surveillance: A Retrospective Cohort Study of Modifiable Risk Factors.** *Military medicine*
  Nelson, D. A., Pflipsen, M. C., Kurina, L. M.
  2020
- **Stressful Life Changes and Their Relationship to Nutrition-Related Health Outcomes Among US Army Soldiers.** *The journal of primary prevention*
  Jayne, J. M., Blake, C. E., Frongillo, E. A., Liese, A. D., Cai, B., Nelson, D. A., Kurina, L. M., Funderburk, L.
  2020
- **INCIDENCE OF PELVIC FLOOR DISORDERS IN US ARMY FEMALE SOLDIERS.** *Urology*
  Rogo-Gupta, L. J., Nelson, D. A., Young-Lin, N. n., Shaw, J. G., Kurina, L. M.
  2020
- **Gender differences in the associations of body mass index, physical fitness and tobacco use with lower extremity musculoskeletal injuries among new US Army soldiers** *INJURY PREVENTION*
  Bedno, S. A., Nelson, D., Kurina, L. M., Choi, Y.
  2019; 25 (4): 295–300
- **Trajectories of body mass index among active-duty U.S. Army soldiers, 2011-2014.** *Preventive medicine reports*
  Jayne, J. M., Blake, C. E., Frongillo, E. A., Liese, A. D., Cai, B., Nelson, D. A., Kurina, L. M., Funderburk, L.
  2019; 14: 100818
- **Association of Nonsteroidal Anti-inflammatory Drug Prescriptions With Kidney Disease Among Active Young and Middle-aged Adults.** *JAMA network open*
  Nelson, D. A., Marks, E. S., Deuster, P. A., O'Connor, F. G., Kurina, L. M.
  2019; 2 (2): e187896
- **Timing and Predictors of Mild and Severe Heat Illness among New Military Enlistees.** *Medicine and science in sports and exercise*
  Nelson, D. A., Deuster, P. A., O'Connor, F. G., Kurina, L. M.
  2018
- **Deployment and Preterm Birth Among US Army Soldiers.** *American journal of epidemiology*

Shaw, J. G., Nelson, D. A., Shaw, K. A., Woolaway-Bickel, K., Phibbs, C. S., Kurina, L. M.
2018; 187 (4): 687-695

- **Sickle Cell Trait and Heat Injury Among US Army Soldiers** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Nelson, D., Deuster, P. A., O'Connor, F. G., Kurina, L. M.
  2018; 187 (3): 523–28
- **THE PREVALENCE OF PELVIC FLOOR DISORDERS IN ACTIVE DUTY FEMALE SOLDIERS: DATA FROM THE STANFORD MILITARY DATA REPOSITORY**
  Rogo-Gupta, L., Nelson, D., Young-Lin, N., Shaw, J., Kurina, L.
  WILEY.2018: S567–S568
- **Objective Effects of Breast Reduction Surgery on Physical Fitness.** *Annals of plastic surgery*
  Knox, J. A., Nelson, D. A., Latham, K. P., Kurina, L. M.
  2017
- **Long-Acting Reversible Contraceptive Placement Among Active-Duty U.S. Army Servicewomen.** *Obstetrics and gynecology*
  Erickson, A. K., Nelson, D. A., Shaw, J. G., Loftus, P. D., Kurina, L. M., Shaw, K. A.
  2017; 129 (5): 800-809
- **Sickle Cell Trait, Rhabdomyolysis, and Mortality among U.S. Army Soldiers.** *New England journal of medicine*
  Nelson, D. A., Deuster, P. A., Carter, R., Hill, O. T., Wolcott, V. L., Kurina, L. M.
  2016; 375 (5): 435-442
- **Prediction of all-cause occupational disability among US Army soldiers** *OCCUPATIONAL AND ENVIRONMENTAL MEDICINE*
  Nelson, D. A., Wolcott, V. L., Kurina, L. M.
  2016; 73 (7): 442-451
- **Insomnia symptoms and actigraph-estimated sleep characteristics in a nationally representative sample of older adults.** *journals of gerontology. Series A, Biological sciences and medical sciences*
  Chen, J., Waite, L., Kurina, L. M., Thisted, R. A., McClintock, M., Lauderdale, D. S.
  2015; 70 (2): 185-192
- **Actigraphic sleep characteristics among older Americans.** *Sleep health*
  Kurina, L. M., Thisted, R. A., Chen, J. H., McClintock, M. K., Waite, L. J., Lauderdale, D. S.
  2015; 1 (4): 285–92
- **Assessment of Sleep in the National Social Life, Health, and Aging Project** *JOURNALS OF GERONTOLOGY SERIES B-PSYCHOLOGICAL SCIENCES AND SOCIAL SCIENCES*
  Lauderdale, D. S., Schumm, L. P., Kurina, L. M., McClintock, M., Thisted, R. A., Chen, J., Waite, L.
  2014; 69: S125-S133
- **Exploring entrustment: housestaff autonomy and patient readmission.** *American journal of medicine*
  Martin, S. K., Farnan, J. M., Flores, A., Kurina, L. M., Meltzer, D. O., Arora, V. M.
  2014; 127 (8): 791-797
- **Clinical prediction of musculoskeletal-related "medically not ready" for combat duty statuses among active duty U.S. army soldiers.** *Military medicine*
  Nelson, D. A., Kurina, L. M.
  2013; 178 (12): 1365-1372
- **Sleep duration and all-cause mortality: a critical review of measurement and associations** *ANNALS OF EPIDEMIOLOGY*
  Kurina, L. M., McClintock, M. K., Chen, J., Waite, L. J., Thisted, R. A., Lauderdale, D. S.
  2013; 23 (6): 361-370
- **Loneliness Is Associated with Sleep Fragmentation in a Communal Society** *SLEEP*
  Kurina, L. M., Knutson, K. L., Hawkley, L. C., Cacioppo, J. T., Lauderdale, D. S., Ober, C.
  2011; 34 (11): 1519-1526
- **Sex-specific genetic architecture of asthma-associated quantitative trait loci in a founder population** *CURRENT ALLERGY AND ASTHMA REPORTS*

Ober, C., Pan, L., Phillips, N., Parry, R., Kurina, L. A.
2006; 6 (3): 241-246

- **Schizophrenia and cancer: an epidemiological study** *BRITISH JOURNAL OF PSYCHIATRY*
  Goldacre, M. J., Kurina, L. M., Wotton, C. J., Yeates, D., Seagroatt, V.
  2005; 187: 334-338

- **Sex differences in the genetic basis of morning serum cortisol levels: Genome-wide screen identifies two novel loci specific to women** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
  Kurina, L. M., Weiss, L. A., Graves, S. W., Parry, R., Williams, G. H., Abney, M., Ober, C.
  2005; 90 (8): 4747-4752

- **The effect of menopause on grip and pinch strength: Results from the Chicago, Illinois, site of the Study of Women's Health Across the Nation** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Kurina, L. M., Gulati, M., Everson-Rose, S. A., Chung, P. J., Karavolos, K., COHEN, N. J., Kandula, N., Lukezic, R., Dugan, S. A., Sowers, M., Powell, L. H., Pickett, K. E.
  2004; 160 (5): 484-491

- **The social structure, stress, and women's health** *CLINICAL OBSTETRICS AND GYNECOLOGY*
  Williams, K., Kurina, L. M.
  2002; 45 (4): 1099-1118

- **Appendicectomy, tonsillectomy, and inflammatory bowel disease: a case-control record linkage study** *1st Meeting of the International-Society-for-Equity-in-Health*
  Kurina, L. M., Goldacre, M. J., Yeates, D., Seagroatt, V.
  BMJ PUBLISHING GROUP.2002: 551–54

- **Abortion and breast cancer: a case-control record linkage study** *JOURNAL OF EPIDEMIOLOGY AND COMMUNITY HEALTH*
  Goldacre, M. J., Kurina, L. M., Seagroatt, V., Yeates, D.
  2001; 55 (5): 336-337