Stanford



Mitchell R. Lunn

Associate Professor of Medicine (Nephrology) and, by courtesy, of Epidemiology and Population Health

Medicine - Nephrology

CLINICAL OFFICE (PRIMARY)

- **Stanford Hospital Nephrology**

  300 Pasteur Dr Rm A175

  MC 5303

  Stanford, CA 94305

  Tel (650) 725-7783 **Fax** (650) 723-1353

Bio

BIO

Mitchell (Mitch) R. Lunn, MD, MAS, FACP, FASN (he/him/his) is Associate Dean for Research and Associate Professor of Medicine (Nephrology) and of Epidemiology and Population Health at Stanford University School of Medicine. Dr. Lunn consults on hospitalized patients with renal diseases, electrolyte abnormalities, and acid-base disturbances at Stanford Hospital.

Dr. Lunn is a physician-scientist investigating sexual and gender minority (SGM) health and utilizing existing and emerging technologies to characterize the health and well-being of these underrepresented and vulnerable populations. SGM people – which primarily includes members of the lesbian, gay, bisexual, transgender, and queer (LGBTQ+) communities – face numerous health and healthcare disparities. Dr. Lunn's work focuses on improving understanding of the factors that positively and negatively influence SGM health including research on SGM health disparities, SGM societal experiences, provider education about SGM health, and institutional climate towards SGM people.

Dr. Lunn is the co-director of The PRIDE Study (pridestudy.org), a national, online, prospective, longitudinal general health cohort study (launched May 2017) of over 31,000 SGM adults. The PRIDE Study's state-of-the-art web-based research platform enables robust participant recruitment, cohort management, real-time cohort statistics, comprehensive survey administration, facile deployment of studies to cohort segments, and linkage with other health data sources. Dr. Lunn is also the co-director of PRIDEnet, a participant-powered research network of SGM people that engages SGM communities at all stages of the biomedical research process: research question generation and prioritization, study design, recruitment, participation, data analysis, and results dissemination. PRIDEnet accomplishes its goals through a highly active Participant Advisory Committee and a Community Partner Consortium comprised of ~25 SGM-serving health centers, community centers, and service/advocacy organizations across the country. Dr. Lunn mentors research trainees at all levels from undergraduate students to junior faculty members.

Dr. Lunn earned a Bachelor of Science degree in biology and French with highest thesis honors from Tufts University in 2004, a Doctor of Medicine degree from Stanford University School of Medicine in 2010, and a Master's in Advanced Studies degree in Clinical Research from the University of

California, San Francisco (UCSF) in 2017. He completed internal medicine internship and residency training at Brigham and Women's Hospital in 2013 and nephrology fellowship at UCSF in 2016. Dr. Lunn maintains board certification in internal medicine, nephrology, and clinical informatics.

CLINICAL FOCUS

- Nephrology
- LGBTQIA+ Health

ACADEMIC APPOINTMENTS

- Associate Prof-Univ Med Line, Medicine - Nephrology
- Associate Prof-Univ Med Line (By courtesy), Epidemiology and Population Health
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Medical Director, Stanford Clinical and Translational Research Unit, (2026- present)
- Associate Dean for Research, Stanford University School of Medicine, (2024- present)
- Co-Director, The PRIDE Study, (2015- present)

HONORS AND AWARDS

- 2026 Achievement in Research Award, GLMA: Health Professionals Advancing LGBTQ+ Equality (September 2026)
- Samuel C. Pang LGBTQ+ Leadership in Education and Research Keynote, American Society for Reproductive Medicine (October 2026)
- 2025 Stanford Pride Trailblazer Award, Stanford Pride (October 2025)
- Lyon & Bendheim Citizenship Award, Jonathan M. Tisch College of Civic Life; Tufts University (March 2023)
- 10th Annual Dr. John E. Fryer Lecture on LGBT Health, Perelman School of Medicine, University of Pennsylvania (June 2024)
- 2024 Integrated Strategic Plan Star Award, Stanford Medicine (December 2024)
- Fellow (FACP), American College of Physicians (2020)
- Fellow (FASN), American Society of Nephrology (2017)
- GETy Diversity Award (awarded to The PRIDE Study), The Genes, Environment, and Traits Conference (2016)
- Chancellor's Award for Gay, Lesbian, Bisexual, and Transgender Leadership, University of California, San Francisco (2015)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Scientific Advisory Board, SPARK: Simons Foundation Powering Autism Research (2021 - 2025)
- Member, Committee on Access, Privacy, and Security (CAPS), All of Us Research Program, National Institutes of Health (2019 - present)
- Member, Steering Committee, All of Us Research Program, National Institutes of Health (2017 - present)
- Member, American Society of Nephrology Diversity & Inclusion Committee (2017 - 2022)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2021)
- Board Certification, American Board of Internal Medicine , Nephrology (2015)
- Board Certification, American Board of Internal Medicine , Internal Medicine (2013)
- MAS, University of California, San Francisco , Clinical Research (2017)
- Fellowship, University of California, San Francisco , Nephrology (2016)

- Residency, Brigham and Women's Hospital , Internal Medicine (2013)
- Internship, Brigham and Women's Hospital , Internal Medicine (2011)
- MD, Stanford University School of Medicine , Medicine (2010)
- BS, Tufts University , Biology and French (2004)

LINKS

- The PRIDE Study: http://www.pridestudy.org/
- My ORCiD: https://orcid.org/0000-0002-0068-0814

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

LGBTQIA+ health

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Meg Quint

Master's Program Advisor

Keenan Camacho

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Epidemiology (Masters Program)
- Nephrology (Fellowship Program)

Publications

PUBLICATIONS

- **Frequency of pharmacogenomic variation and medication exposures among participants in the All of Us Research Program.** *Science translational medicine*
  Haddad, A., Radhakrishnan, A., McGee, S., Smith, J. D., Karnes, J. H., Venner, E., Wheeler, M. M., Patterson, K., Walker, K., Kalra, D., Kalla, S. E., Wang, Q., Polkowski, et al
  2026; 18 (875): eadt8040
- **Mental Health Changes Among LGBTQIA+ Persons After the 2024 US Presidential Election.** *American journal of public health*
  Flentje, A., Tran, N. K., Maslak, J., Rivas-Koehl, D., Last, B. S., Obedin-Maliver, J., Lunn, M. R.
  2026; 116 (11): 1786-1789
- **Care of the Sexual or Gender Minority Community Living with Cystic Fibrosis: A Survey of United States and Canadian Multidisciplinary Health Care Providers.** *LGBT health*
  Kazmerski, T. M., Stransky, O. M., Lee, M., Alpern, A., Greenberg, J., Jain, R., Lunn, M. R., Palla, J., Prangley, A., Salyer, R., Tangpricha, V., Sawicki, G. S., Kidd, et al
  2026: 23258292261495120
- **Genital atrophy in transmasculine individuals using testosterone: symptom experiences, treatment preferences, and barriers to care.** *The journal of sexual medicine*
  Tordoff, D. M., Quint, M., Anderson, G. O., Shook, A., Flentje, A., Lunn, M. R., Obedin-Maliver, J.
  2026; 23 (10)
- **Perceptions of and willingness to participate in genomics research among a U.S. sample.** *Frontiers in genetics*

Dusic, E., Madden, D., Rios, I. E., Hwang, B. J., Rabinowitz, S., Ramos, M. A., Pletta, D. R., Aguayo-Romero, R. A., Lunn, M. R., Baker, K., Horowitz, C. R., Reisner, S. L.
2026; 17: 1808576

- **"I don't know how to treat you": Testosterone and gynecological care for transmasculine and gender diverse adults.** *Social science & medicine (1982)*
  Tordoff, D. M., Shook, A., Anderson, G. O., Quint, M., Flentje, A., Lunn, M. R., Obedin-Maliver, J.
  2026; 406: 119672
- **Cultural Tailoring and Anti-Smoking Messaging: A Formative Study on the Effect of Tailored Messages for Young Adult Sexual Minority Women.** *Health promotion practice*
  Liu, S., Hanby, E., Chen, J. T., Ramanadhan, S., Gordon, B., Lunn, M. R., Potter, J., Obedin-Maliver, J., Scout, N., Tan, A. S.
  2026: 15248399261468676
- **Cardiovascular Health in Sexual Minority Adults: Life's Essential 8 in The PRIDE Study.** *Journal of the American Heart Association*
  Rosendale, N., Wood, A. J., Caceres, B. A., Streed, C. G., Wong, R., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2026: e049152
- **Cardiovascular Health Across Gender Identities: Life's Essential 8 in the PRIDE Study.** *Journal of the American Heart Association*
  Rosendale, N., Wood, A. J., Caceres, B. A., Streed, C. G., Wong, R., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2026: e044329
- **Place-based disorder, social cohesion, and physical and mental health outcomes of LGBTQIA+ adults in the United States.** *AJE advances : research in epidemiology*
  Tran, N. K., Rehkopf, D. H., Flohr, C., Obedin-Maliver, J., Flentje, A., Lunn, M. R.
  2026; 2 (3)
- **Healthcare priorities and needs for LGBTQIA+ people with cystic fibrosis: A concept mapping study.** *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society*
  Kidd, K. M., Salyer, R. E., Rashid, S. J., Mitchell, A. S., Alpern, A., Greenberg, J., Stransky, O. M., Prangley, A., Tangpricha, V., Sequeira, G. M., Lunn, M. R., Palla, J., Cevallos, et al
  2026
- **Apolipoprotein L1 Gene Genotype and Kidney Outcomes After Living Kidney Donation.** *JAMA internal medicine*
  Hsu, C. Y., Gao, Y., Freedman, B. I., Lunn, M. R., Muiru, A. N., Schnitzler, M. A., Divers, J., Mannon, R. B., Palmer, N. D., Karger, A. B., Lentine, K. L., Park, M.
  2026
- **Outcomes After Living Kidney Donation by Race and APOL1 Genotype: Results from the Living Donor Extended Time Outcomes (LETO) Study**
  Hsu, C., Gao, Y., Freedman, B., Lunn, M., Muiru, A., Schnitzler, M., Divers, J., Mannon, R., Palmer, N., Karger, A., Lentine, K., Park, M.
  ELSEVIER SCIENCE INC.2026: S300
- **The Sociocultural Environment and the Mental Health of Sexual and Gender Minority Parents.** *Annals of epidemiology*
  Snow, A., Leonard, S. A., Lubensky, M. E., Flentje, A., Lunn, M. R., Tordoff, D. M., Obedin-Maliver, J.
  2026: 110132
- **Association of employment quality with depression among sexual and gender minority adults: a retrospective cohort study.** *Lancet regional health. Americas*
  Kinitz, D. J., Tran, N. K., Shahidi, F. V., Soltani, S., Bryant-Lees, K. B., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2026; 58: 101462
- **Associations of employment gain, employment loss and prolonged unemployment with depressive symptoms over time among sexual and gender minority adults in the USA: a retrospective cohort study.** *BMJ public health*
  Kinitz, D. J., Tran, N. K., Soltani, S., Bryant-Lees, K., Flentje, A., Lubensky, M. E., Ingram, S., Obedin-Maliver, J., Lunn, M. R.
  2026; 4 (2): e003845
- **EXPLORING PESTICIDE EXPOSURE AND DEMOGRAPHIC CHARACTERISTICS AMONG PATIENTS RECEIVING DIALYSIS IN CALIFORNIA'S CENTRAL VALLEY**
  Aziz, A., Contreras-Nieves, M., Powers, A., Banda, E., Jaskulak, S., Cerezo, M., Ramirez, I., Yu, X., Moreno, M., Jimenez, D., Ajang, I., Garcia, P., Dhingra, et al

W B SAUNDERS CO-ELSEVIER INC.2026: S131-S132

- **Validation of the Brief Assessment of Stress and Eating (BASE) in transgender and gender-diverse adults.** *Eating behaviors*
  Nagata, J. M., Otmar, C. D., Potes, C., Murakami, K., Lavender, J. M., Compte, E. J., Brown, T. A., Forbush, K. T., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2026; 61: 102088

- **Pathways and Roadblocks: Navigating Family-Building for Sexual and Gender Minority People Assigned Male at Birth.** *Perspectives on sexual and reproductive health*
  Tordoff, D. M., Bruno, V., Aguilar, J., Panyanouvong, N. L., Kinitz, D. J., Snow, A., Moretti, D., Armea-Warren, C., Williams, J. T., Lubensky, M. E., Flentje, A., Lunn, M. R., Leonard, et al
  2026

- **Posttraumatic stress symptom reduction after gender-affirming medical interventions: A longitudinal study.** *Journal of traumatic stress*
  Brennan, J. M., Lisha, N. E., Tran, N. K., Davis, K., Obedin-Maliver, J., Lunn, M. R., Flentje, A.
  2026

- **Social determinants of health as risk and protective factors for health care access among sexual and gender minority parents.** *Scientific reports*
  Zhang, A., Leonard, S. A., Lubensky, M. E., Flentje, A., Lunn, M. R., Benedict, C., Tordoff, D. M., Obedin-Maliver, J.
  2026

- **IMPACTS OF FUNDING CUTS AND RESTRICTIVE ELIGIBILITY REQUIREMENTS ON LGBTQIA plus MEDICAID RECIPIENTS' HEALTH AND WELLBEING IN THE UNITED STATES: QUALITATIVE INSIGHTS**
  Kinitz, D. J., Mann, N., Xu, A., Tran, N. K., Wilson, B. D. M., Battle-Fisher, M., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  OXFORD UNIV PRESS INC.2026: S471

- **Assessing Reactance to Culturally Tailored Anti-Smoking Messages in Sexual and Gender Minority Young Adults.** *Journal of health communication*
  Ye, Q., Wu, J., Hanby, E., Gordon, B., Ramanadhan, S., Potter, J., R Lunn, M., Obedin-Maliver, J., Liu, S., Tan, A. S.
  2026: 1-11

- **Context and Disclosure of Sexual Orientation and Gender Identity Information Among US Adults, 2021.** *American journal of public health*
  Schlechter, T. E., Conner, B. T., Allen, A. C., Pho, A. T., Bates, N., Logan, R., Flentje, A., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J.
  2026: e1-e11

- **Does gender expression matter in tailoring anti-smoking messages for sexual and gender minority young adults?** *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*
  Ye, Q., Wu, J., Hanby, E., Scout, N. F., Gordon, B., Applegate, J., Machado, A., Liu, S., Obedin-Maliver, J., Lunn, M. R., Potter, J., Chen, J. T., Ramanadhan, et al
  2026

- **Preferred Panethnic Terms Among Latina/o and Hispanic Sexual and Gender Minority People.** *JAMA network open*
  Ceja, A., Tran, N. K., Peña, J. M., Kinitz, D. J., Hursey, D., Ramirez, R., Cervantes, L., Lubensky, M. E., Obedin-Maliver, J., Flentje, A., Lunn, M. R.
  2026; 9 (2): e260060

- **LGBTQIA+ People's Perspectives on LGBTQIA+-Targeted State Policies and Mental Health: A Qualitative Study.** *JAMA network open*
  Last, B. S., Poupard, M., Williamson, N., Jans, L., Arora, A., Tran, N. K., Obedin-Maliver, J., Lunn, M. R., Flentje, A.
  2026; 9 (1): e2546538

- **Age-Related Trends in Eating-Pathology Symptoms Among Sexual Minority Adults.** *European eating disorders review : the journal of the Eating Disorders Association*
  Nagata, J. M., Otmar, C. D., Potes, C., Murakami, K., Lavender, J. M., Compte, E. J., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2025

- **Validation of the Brief Assessment of Stress and Eating (BASE) in cisgender gay men and lesbian women.** *Journal of eating disorders*
  Nagata, J. M., Otmar, C. D., Murakami, K., Potes, C., Lavender, J. M., Compte, E. J., Brown, T. A., Forbush, K. T., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2025

- **Breastfeeding and Chestfeeding Experiences of Cisgender Sexual Minority Women, Transgender, and Gender Diverse Parents.** *Journal of human lactation : official journal of International Lactation Consultant Association*
  Tordoff, D. M., Lunn, M. R., Ariel, D., Crowe, S., Lubensky, M. E., Flentje, A., Obedin-Maliver, J.
  2025: 8903344251391163
- **Why Am I on Dialysis? Gaps in Rural CKD Care in Central California.** *Clinical journal of the American Society of Nephrology : CJASN*
  Contreras Nieves, M., Aziz, A., Powers, A., Banda, E., Jaskulak, S., Cerezo, M., Ramirez, I., Yu, X., Moreno, M., Jimenez, D., Ajang, I., Garcia, P., Dhingra, et al
  2025
- **Alcohol Use, Cannabis Use, and Discrimination by Sexual Orientation and Gender Identity Within the All of Us Research Program.** *LGBT health*
  Sunder, G., Tran, N. K., Peña, J. M., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2025
- **Social determinants of health as risk and protective factors for health care access among sexual and gender minority parents.** *Research square*
  Zhang, A., Leonard, S. A., Lubensky, M. E., Flentje, A., Lunn, M. R., Benedict, C., Tordoff, D. M., Obedin-Maliver, J.
  2025
- **Evaluating anti-LGBTQIA+ medical bias in large language models.** *PLOS digital health*
  Chang, C. T., Srivathsa, N., Bou-Khalil, C., Swaminathan, A., Lunn, M. R., Mishra, K., Koyejo, S., Daneshjou, R.
  2025; 4 (9): e0001001
- **Hypertension Control Among Participants with Chronic Kidney Disease in the All of Us Research Program**
  Bohart, I., Chang, T., Lunn, M.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Dermatologic Side Effects of Gender-Affirming Body Modifications**
  Schwartz, B., Tran, N. K., Mayo, J., Peitzmeier, S. M., Poteat, T. C., Lubensky, M. E., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  MOSBY-ELSEVIER.2025: AB166
- **Age-related trends in eating pathology symptoms among transgender and gender-diverse adults.** *Eating and weight disorders : EWD*
  Nagata, J. M., Otmar, C. D., Lee, C. M., Compte, E. J., Lavender, J. M., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2025; 30 (1): 62
- **One Size Does Not Fit All: Mediating Effects of Perceived Character Similarity in Tailored Health Messages for Sexual and Gender Minority Young Adults.** *Health communication*
  Wu, J., Hanby, E., Ye, Q., Applegate, J. M., Obedin-Maliver, J., Lunn, M. R., Potter, J., Tan, A. S.
  2025: 1-13
- **Now, More Than Ever, We Need Institutional Commitments to Transgender Health Research.** *American journal of public health*
  Tordoff, D. M., Tran, N. K., Obedin-Maliver, J., Lunn, M. R.
  2025; 115 (8): 1192-1195
- **Progestogen Experience Among Transgender Women and Gender Diverse Adults Assigned Male at Birth in the United States.** *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*
  Chang, J. J., Tran, N. K., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R., Ariel, D.
  2025
- **The hidden human cost of defunded LGBTQIA+ health research.** *Nature medicine*
  Kinitz, D. J., Lubensky, M. E., Tran, N. K., Flentje, A., Lunn, M. R.
  2025
- **Investigating the Interplay Between Having Cystic Fibrosis and Being a Member of the LGBTQIA+ Community: Protocol for the PRIDE CF Study.** *Pediatric pulmonology*
  Kazmerski, T. M., Kidd, K. M., Jain, R., Jathal, I., Stransky, O. M., Lee, M., Salyer, R. E., Tangpricha, V., Palla, J., Alpern, A. N., Lunn, M. R., Obedin-Maliver, J., Greenberg, et al
  2025; 60 (6): e71154

- **Side Effect Profiles of Nonhormonal, Nonsurgical Gender-Affirming Body Modifications.** *LGBT health*
  Schwartz, B. L., Tran, N. K., Mayo, J. A., Peitzmeier, S. M., Poteat, T. C., Lubensky, M. E., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2025
- **Methods of family building used by sexual and gender minority adults in the United States.** *Human reproduction (Oxford, England)*
  Tordoff, D. M., Leonard, S. A., Zhang, J., Snow, A., Monseur, B., Bahati, M. A., Armea-Warren, C., Moretti, D., Lubensky, M. E., Flentje, A., Lunn, M. R., Obedin-Maliver, J.
  2025
- **Community norms of the Eating Pathology Symptoms Inventory (EPSI) in transgender and gender-diverse adults.** *Eating behaviors*
  Nagata, J. M., Otmar, C. D., Lee, C. M., Compte, E. J., Lavender, J. M., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J.
  2025; 58: 101993
- **Factor structure, internal consistency, and measurement invariance of the Eating Pathology Symptoms Inventory (EPSI) in a national U.S. sample of cisgender gay men and lesbian women.** *Journal of eating disorders*
  Nagata, J. M., Otmar, C. D., Kim, A. E., Compte, E. J., Lavender, J. M., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J.
  2025; 13 (1): 83
- **US State Policies and Mental Health Symptoms Among Sexual and Gender Minority Adults.** *JAMA network open*
  Last, B. S., Tran, N. K., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R., Flentje, A.
  2025; 8 (5): e2512189
- **Factor Structure, Internal Consistency, and Measurement Invariance of the Eating Pathology Symptoms Inventory (EPSI) in Transgender and Gender-Diverse Adults.** *The International journal of eating disorders*
  Nagata, J. M., Otmar, C. D., Lopez, A., Compte, E. J., Lavender, J. M., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2025
- **Community norms of the Eating Pathology Symptoms Inventory (EPSI) in cisgender sexual minority adults.** *Eating and weight disorders : EWD*
  Nagata, J. M., Otmar, C. D., Lee, C. M., Compte, E. J., Lavender, J. M., Brown, T. A., Forbush, K. T., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2025; 30 (1): 34
- **Associations of minority stress and employment discrimination with job quality among sexual- and gender-minority workers.** *Scandinavian journal of work, environment & health*
  Kinitz, D. J., Tran, N. K., Shahidi, F. V., Maslak, J. T., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2025
- **Relationships between structural stigma, societal stigma, and minority stress among gender minority people.** *Scientific reports*
  Clark, K. D., Lunn, M. R., Sevelius, J. M., Dawson-Rose, C., Weiss, S. J., Neilands, T. B., Lubensky, M. E., Obedin-Maliver, J., Flentje, A.
  2025; 15 (1): 2996
- **Trauma Symptoms, Minority Stress, and Substance Use: Implications for Trauma Treatment in Sexual and Gender Minority Communities.** *Psychology of sexual orientation and gender diversity*
  Flentje, A., Ceja, A., Dilley, J. W., Lisha, N. E., Cloitre, M., Artime, T. M., Shumway, M., Einhorn, L., Edward, D., Ong, L., Lubensky, M. E., Neilands, T. B., Obedin-Maliver, et al
  2025
- **Exposure to intimate partner violence and subsequent substance use among a nationwide sample of LGBTQIA+ people: results of The PRIDE Study.** *Annals of behavioral medicine : a publication of the Society of Behavioral Medicine*
  Metheny, N., Tran, N. K., Dusing, G. J., Scott, D., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2025; 59 (1)
- **Understanding Differences in Types of Social Support and Their Effects on Mental Health Over Time for Trans and Nonbinary Adults** *PSYCHOLOGY OF SEXUAL ORIENTATION AND GENDER DIVERSITY*
  Tebbe, E., Lisha, N. E., Neilands, T. B., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2025

- **Understanding differences in types of social support and their effects on mental health over time for trans and nonbinary adults.** *Psychology of sexual orientation and gender diversity*
  Tebbe, E., Lisha, N. E., Neilands, T. B., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2025
- **Mental Health Disparities by Sexual Orientation and Gender Identity in the All of Us Research Program.** *JAMA network open*
  Lu, J. A., Soltani, S., Austin, S. B., Rehkopf, D. H., Lunn, M. R., Langston, M. E.
  2025; 8 (1): e2456264
- **Trauma Symptoms, Minority Stress, and Substance Use: Implications for Trauma Treatment in Sexual and Gender Minority Communities** *Psychology of Sexual Orientation and Gender Diversity*
  Flentje, A., Ceja, A., Dilley, J. W., Lisha, N. E., Cloitre, M., Artime, T. M., Shumway, M., Einhorn, L., Edward, D., Ong, L., Lubensky, M. E., Neilands, T. B., Obedin-Maliver, et al
  2025
- **Factors Influencing Specialty Choice Among Lesbian, Gay, and Bisexual Graduating Allopathic Medical Students in the United States** *Annals of LGBTQ Public and Population Health*
  Nusynowitz, J., Rypka, K., Lunn, M. R., Obedin-Maliver, J., Peebles, K., Mansh, M.
  2025
- **Healthcare provider communication and current contraceptive use among transgender men and gender-diverse people: results from an online, cross-sectional survey in the United States.** *Contraception*
  Berry, J., Obedin-Maliver, J., Ragosta, S., Hastings, J., Lunn, M. R., Flentje, A., Capriotti, M. R., Dastur, Z., Lubensky, M. E., Inman, E. M., Moseson, H.
  2024: 110784
- **Anti-industry beliefs and attitudes mediate the effect of culturally tailored anti-smoking messages on quit intentions among sexual minority women.** *Scientific reports*
  Zulkiewicz, B. A., Chen, J. T., Hanby, E. P., Ramanadhan, S., Obedin-Maliver, J., Lunn, M. R., Scout, N. F., Gordon, B., Applegate, J., Machado, A., Viswanath, K., Potter, J., Liu, et al
  2024; 14 (1): 28084
- **Research for all: building a diverse researcher community for the All of Us Research Program.** *Journal of the American Medical Informatics Association : JAMIA*
  Baskir, R., Lee, M., McMaster, S. J., Lee, J., Blackburne-Proctor, F., Azuine, R., Mack, N., Schully, S. D., Mendoza, M., Sanchez, J., Crosby, Y., Zumba, E., Hahn, et al
  2024
- **Factor structure and psychometric properties of the Muscle Dysmorphic Disorder Inventory (MDDI) among transgender women.** *Body image*
  Nagata, J. M., Compte, E. J., McGuire, F. H., Lavender, J. M., Brown, T. A., Capriotti, M. R., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2024; 51: 101798
- **Conversion practice recall and mental health symptoms in sexual and gender minority adults in the USA: a cross-sectional study.** *The lancet. Psychiatry*
  Tran, N. K., Lett, E., Cassese, B., Streed, C. G., Kinitz, D. J., Ingram, S., Sprague, K., Dastur, Z., Lubensky, M. E., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2024
- **Contraceptive use among transgender men and gender diverse individuals in the United States: reasons for use, non-use, and methods used for pregnancy prevention.** *Contraception*
  Obedin-Maliver, J., Snow, A., Ragosta, S., Fix, L., Hastings, J., Lubensky, M. E., Capriotti, M. R., Dastur, Z., Flentje, A., Lunn, M. R., Moseson, H.
  2024: 110719
- **Levels and outcomes of 12-step participation among sexual and gender minority subgroups.** *Journal of substance use and addiction treatment*
  McGeough, B. L., Zemore, S. E., Dastur, Z., Neilands, T. B., Lisha, N. E., Lunn, M. R., Obedin-Maliver, J., Lubensky, M. E., Flentje, A.
  2024: 209519
- **Our needs have been ignored for a long time: Factors affecting willingness of Black and Hispanic/Latinx sexual and gender minority communities to donate biospecimens.** *Annals of LGBTQ public and population health*

Ceja, A., Bruno, V., Panyanouvong, N. L., Aguilar, J., Raygani, S., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
2024; 5 (3): 191-205

- **The experiences of sexual and gender minority participants with a remote biospecimen collection protocol.** *Annals of LGBTQ public and population health*
  Panyanouvong, N., Lella, P., Sunder, G., Lubensky, M. E., Dastur, Z., Aouizerat, B., Lisha, N., Neilands, T., Flowers, E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024; 5 (3): 206-222
- **An Automated Algorithm for Classifying Expansive Responses for Gender Identity.** *Psychology of sexual orientation and gender diversity*
  Ceja, A., Raygani, S., Conner, B. T., Lisha, N. E., Bryant-Lees, K. B., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024
- **Pathways to parenthood among transgender men and gender diverse people assigned female or intersex at birth in the United States: analysis of a Cross-Sectional 2019 Survey.** *AJOG global reports*
  Bane, S. S., Obedin-Maliver, J., Ragosta, S., Hastings, J., Lunn, M. R., Flentje, A., Capriotti, M. R., Lubensky, M. E., Tordoff, D. M., Moseson, H.
  2024; 4 (3): 100381
- **Parenthood and the Physical and Mental Health of Sexual and Gender Minority Parents: A Cross-Sectional, Observational Analysis from The PRIDE Study.** *Annals of epidemiology*
  Tordoff, D. M., Lunn, M. R., Snow, A., Monseur, B., Flentje, A., Lubensky, M. E., Dastur, Z., Kaysen, D., Leonard, S. A., Obedin-Maliver, J.
  2024
- **Chronic pelvic pain among transgender men and gender diverse adults assigned female at birth.** *Andrology*
  Tordoff, D. M., Lunn, M. R., Flentje, A., Atashroo, D., Chen, B., Dastur, Z., Lubensky, M. E., Capriotti, M., Obedin-Maliver, J.
  2024
- **Cannabis use trajectories over time in relation to minority stress and gender among sexual and gender minority people.** *Addictive behaviors*
  Flentje, A., Sunder, G., Ceja, A., Lisha, N. E., Neilands, T. B., Aouizerat, B. E., Lubensky, M. E., Capriotti, M. R., Dastur, Z., Lunn, M. R., Obedin-Maliver, J.
  2024; 157: 108079
- **Intimate partner violence is related to future alcohol use among a nationwide sample of LGBTQIA+ people: Results from The PRIDE Study.** *Drug and alcohol dependence*
  Metheny, N., Tran, N. K., Scott, D., Dastur, Z., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024; 260: 111342
- **Sexual and gender minority content in undergraduate medical education in the United States and Canada: current state and changes since 2011.** *BMC medical education*
  Streed, C. G., Michals, A., Quinn, E., Davis, J. A., Blume, K., Dalke, K. B., Fetterman, D., Garcia, G., Goldsmith, E., Greene, R. E., Halem, J., Hedian, H. F., Moring, et al
  2024; 24 (1): 482
- **Inequities in Conversion Practice Exposure at the Intersection of Ethnoracial and Gender Identities.** *American journal of public health*
  Tran, N. K., Lett, E., Flentje, A., Ingram, S., Lubensky, M. E., Dastur, Z., Obedin-Maliver, J., Lunn, M. R.
  2024; 114 (4): 424-434
- **Localized and widespread chronic pain in sexual and gender minority people-an analysis of the PRIDE study.** *Pain medicine (Malden, Mass.)*
  Chadwick, A. L., Lisha, N. E., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024
- **Mental Health Treatment Experiences among Sexual and Gender Minority Individuals: Trauma Exposure, Barriers, Microaggressions, and Treatment Satisfaction.** *Journal of gay & lesbian mental health*
  Artime, T. M., Rosenfeld, E. A., Ong, L., Lisha, N. E., Dilley, J. W., Shumway, M., Edward, D., Ceja, A., Einhorn, L., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, et al
  2024
- **Mental health treatment experiences among sexual and gender minority individuals: Trauma exposure, barriers, microaggressions, and treatment satisfaction** *JOURNAL OF GAY & LESBIAN MENTAL HEALTH*
  Artime, T. M., Rosenfeld, E. A., Ong, L., Lisha, N. E., Dilley, J. W., Shumway, M., Edward, D., Ceja, A., Einhorn, L., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, et al

2024

- **The frequency of pathogenic variation in the All of Us cohort reveals ancestry-driven disparities.** *Communications biology*
  Venner, E., Patterson, K., Kalra, D., Wheeler, M. M., Chen, Y. J., Kalla, S. E., Yuan, B., Karnes, J. H., Walker, K., Smith, J. D., McGee, S., Radhakrishnan, A., Haddad, et al
  2024; 7 (1): 174

- **Interest in over-the-counter progestin-only pills among transgender, nonbinary, and gender-expansive individuals in the United States.** *American journal of obstetrics and gynecology*
  Grindlay, K., Obedin-Maliver, J., Ragosta, S., Hastings, J., Lunn, M. R., Flentje, A., Capriotti, M. R., Dastur, Z., Lubensky, M. E., Moseson, H.
  2024

- **Family building and pregnancy experiences of cisgender sexual minority women.** *AJOG global reports*
  Tordoff, D. M., Moseson, H., Ragosta, S., Hastings, J., Flentje, A., Capriotti, M. R., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J.
  2024; 4 (1): 100298

- **Advancing Data Collection of Sexual Orientation and Gender Identity in Cardiology.** *JAMA cardiology*
  Tran, N. K., Rosendale, N., Lunn, M. R.
  2024

- **Substance Use Over Time Among Sexual and Gender Minority People: Differences at the Intersection of Sex and Gender.** *LGBT health*
  Flentje, A., Sunder, G., Ceja, A., Lisha, N. E., Neilands, T. B., Aouizerat, B. E., Lubensky, M. E., Capriotti, M. R., Dastur, Z., Lunn, M. R., Obedin-Maliver, J.
  2024

- **Our Needs Have Been Ignored for a Long Time: Factors Affecting the Willingness of Black and Hispanic/Latinx Sexual and Gender Minority Communities to Donate Biospecimens** *Annals of LGBTQ Public and Population Health*
  Ceja, A., Bruno, V., Panyanouvong, N., Aguilar, J., Raygani, S., Lubensky, M. E., Dastur, Z., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024

- **Geographic Practice Preferences of Sexual Minority Allopathic Medical Students in the United States** *Annals of LGBTQ Public and Population Health*
  Gupta, R., Rypka, K. J., Fulk, T., Lunn, M. R., Obedin-Maliver, J., Peebles, K., Yeung, H., Linos, E., Mansh, M.
  2024

- **Anxiety and Depression Symptoms Among Sexual and Gender Minority People by Disability Status: Findings From The PRIDE Study, 2019-2020** *Annals of LGBTQ Public and Population Health*
  Lamba, S., Mayo, J., Lubensky, M. E., Dastur, Z., Flentje, A., Obedin-Maliver, J., Lunn, M. R.
  2024

- **An Automated Algorithm for Classifying Expansive Responses for Gender Identity** *Psychology of Sexual Orientation and Gender Diversity*
  Ceja, A., Raygani, S., Conner, B. T., Lisha, N. E., Bryan-Lees, K. B., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024

- **Engaging Sexual and Gender Minority (SGM) Communities for Health Research: Building and Sustaining PRIDEnet** *Journal of Community Engagement and Scholarship*
  Obedin-Maliver, J., Hunt, C., Flentje, A., Armea-Warren, C., Bahati, M., Lubensky, M. E., Dastur, Z., Eastburn, C., Hundertmark, E., Moretti, D. J., Pho, A., Rescate, A., Greene, et al
  2024; 16 (2)

- **The Experiences of Sexual and Gender Minority Participants With a Remote Biospecimen Collection Protocol** *Annals of LGBTQ Public and Population Health*
  Panyanouvong, N., Lella, P., Sunder, G., Lubensky, M. E., Dastur, Z., Aouizerat, B. E., Lisha, N. E., Neilands, T. B., Flowers, E., Lunn, M. R., Obedin-Maliver, J., Flentje, A.
  2024

- **Active Social Media Use and Health Indicators Among Sexual and Gender Minority Adults.** *LGBT health*
  Vogel, E. A., Flentje, A., Lunn, M. R., Obedin-Maliver, J., Capriotti, M. R., Ramo, D. E., Prochaska, J. J.
  2023

- **Culturally tailored anti-smoking messages: A randomized trial with U.S. sexual minority young women.** *American journal of preventive medicine*

Tan, A. S., Chen, J. T., Keen, R., Scout, N., Gordon, B., Applegate, J., Machado, A., Hanby, E., Liu, S., Zulkiewicz, B., Ramanadhan, S., Obedin-Maliver, J., Lunn, et al
2023

- **Asking sexual orientation and gender identity on health surveys: Findings from cognitive interviews in the United States across sexual orientations and genders** *SSM-QUALITATIVE RESEARCH IN HEALTH*
  Pho, A. T., Bates, N., Snow, A., Zhang, A., Logan, R., Dastur, Z., Lubensky, M. E., Flentje, A., Lunn, M. R., Obedin-Maliver, J.
  2023; 4
- **Asking sexual orientation and gender identity on health surveys: Findings from cognitive interviews in the United States across sexual orientations and genders.** *SSM. Qualitative research in health*
  Pho, A. T., Bates, N., Snow, A., Zhang, A., Logan, R., Dastur, Z., Lubensky, M. E., Flentje, A., Lunn, M. R., Obedin-Maliver, J.
  2023; 4
- **Acceptability of Biospecimen Collection Among Sexual and/or Gender Minority Adults in the United States.** *Annals of LGBTQ public and population health*
  Cicero, E. C., Lunn, M. R., Obedin-Maliver, J., Sunder, G., Lubensky, M. E., Capriotti, M. R., Flentje, A.
  2023; 4 (4): 311-344
- **Investigating the factor structure and measurement invariance of the eating disorder examination questionnaire (EDE-Q) among cisgender gay men and lesbian women from the United States.** *Journal of eating disorders*
  Compte, E. J., McGuire, F. H., Brown, T. A., Lavender, J. M., Murray, S. B., Capriotti, M. R., Flentje, A., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J., Nagata, J. M.
  2023; 11 (1): 164
- **Testosterone Use and Sexual Function among Transgender Men and Gender Diverse People Assigned Female at Birth.** *American journal of obstetrics and gynecology*
  Tordoff, D. M., Lunn, M. R., Chen, B., Flentje, A., Dastur, Z., Lubensky, M. E., Capriotti, M., Obedin-Maliver, J.
  2023
- **Societal stigma and mistreatment in healthcare among gender minority people: a cross-sectional study.** *International journal for equity in health*
  Clark, K. D., Lunn, M. R., Bosse, J. D., Sevelius, J. M., Dawson-Rose, C., Weiss, S. J., Lubensky, M. E., Obedin-Maliver, J., Flentje, A.
  2023; 22 (1): 162
- **Self-Reported Barriers to Care Among Sexual and Gender Minority People With Disabilities: Findings From The PRIDE Study, 2019-2020.** *American journal of public health*
  Lamba, S., Obedin-Maliver, J., Mayo, J., Flentje, A., Lubensky, M. E., Dastur, Z., Lunn, M. R.
  2023: e1-e10
- **Prevalence of 12 Common Health Conditions in Sexual and Gender Minority Participants in the All of Us Research Program.** *JAMA network open*
  Tran, N. K., Lunn, M. R., Schulkey, C. E., Tesfaye, S., Nambiar, S., Chatterjee, S., Kozlowski, D., Lozano, P., Randal, F. T., Mo, Y., Qi, S., Hundertmark, E., Eastburn, et al
  2023; 6 (7): e2324969
- **Reports of Negative Interactions with Healthcare Providers among Transgender, Nonbinary, and Gender-Expansive People assigned Female at Birth in the United States: Results from an Online, Cross-Sectional Survey.** *International journal of environmental research and public health*
  Inman, E. M., Obedin-Maliver, J., Ragosta, S., Hastings, J., Berry, J., Lunn, M. R., Flentje, A., Capriotti, M. R., Lubensky, M. E., Stoeffler, A., Dastur, Z., Moseson, H.
  2023; 20 (11)
- **Investigating the factor structure and measurement invariance of the Eating Disorder Examination-Questionnaire (EDE-Q) in a community sample of gender minority adults from the United States.** *The International journal of eating disorders*
  Nagata, J. M., Compte, E. J., McGuire, F. H., Brown, T. A., Lavender, J. M., Murray, S. B., Capriotti, M. R., Flentje, A., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J.
  2023
- **"We're always an afterthought"- Designing tobacco control campaigns for dissemination with and to LGBTQ +-serving community organizations: a thematic analysis.** *Cancer causes & control : CCC*

Ramanadhan, S., Salvia, M., Hanby, E., Revette, A. C., Rivard, M. K., Scout, N. F., Applegate, J., Gordon, B., Machado, A., Lunn, M. R., Obedin-Maliver, J., Potter, J., Chen, et al
2023

- **WHO ARE WE MISSING? REPORTING OF TRANSGENDER AND GENDER EXPANSIVE POPULATIONS IN CLINICAL TRIALS**
  Rice, E., Lan, R., Nunes, J., Shah, R., Echols, M. R., Lunn, M., Bryant, L., Lewis, E. F., Awad, C., Idris, M. Y., Clark, K., Periyakoil, V., Cruz, et al
  ELSEVIER SCIENCE INC.2023: 119

- **DISABILITIES REPORTING IN CLINICAL TRIALS. HOW ARE WE DOING?**
  Lan, R., Rice, E., Nunes, J., Shah, R., Joseph, I. E., Echols, M. R., Echols, M. R., Lunn, M., Bryant, L., Lewis, E. F., Awad, C., Idris, M. Y., Clark, et al
  ELSEVIER SCIENCE INC.2023: 172

- **Our pride, our joy: An intersectional constructivist grounded theory analysis of resources that promote resilience in SGM communities.** *PloS one*
  Edwards, O. W., Lev, E., Obedin-Maliver, J., Lunn, M. R., Lubensky, M. E., Capriotti, M. R., Garrett-Walker, J. J., Flentje, A.
  2023; 18 (2): e0280787

- **Understanding the social and community support experiences of sexual and gender minority individuals in 12-Step programs.** *Journal of gay & lesbian social services*
  McGeough, B. L., Paceley, M., Zemore, S. E., Lunn, M. R., Obedin-Maliver, J., Lubensky, M. E., Flentje, A.
  2023; 35 (4): 398-419

- **Understanding the social and community support experiences of sexual and gender minority individuals in 12-Step programs** *JOURNAL OF GAY & LESBIAN SOCIAL SERVICES*
  McGeough, B. L., Paceley, M., Zemore, S. E., Lunn, M. R., Obedin-Maliver, J., Lubensky, M. E., Flentje, A.
  2023

- **Factors contributing to delay in family building among sexual/gender minority people in the COVID19 pandemic**
  Waldrop, A. R., Zhang, J., Flentje, A., Lunn, M. R., Lubensky, M. E., Leonard, S. A., Dastur, Z., Obedin-Maliver, J.
  MOSBY-ELSEVIER.2023: S434

- **Web-Based Mindfulness-Based Interventions for Well-being: Randomized Comparative Effectiveness Trial.** *Journal of medical Internet research*
  Sylvia, L. G., Lunn, M. R., Obedin-Maliver, J., McBurney, R. N., Nowell, W. B., Nosheny, R. L., Mularski, R. A., Long, M. D., Merkel, P. A., Pletcher, M. J., Tovey, R. E., Scalchunes, C., Sutphen, et al
  2022; 24 (9): e35620

- **Geographic practice preferences of sexual minority medical students in the United States**
  Gupta, R., Lunn, M. R., Obedin-Maliver, J.
  MOSBY-ELSEVIER.2022: AB62

- **The All of Us Research Program: Data quality, utility, and diversity.** *Patterns (New York, N.Y.)*
  Ramirez, A. H., Sulieman, L., Schlueter, D. J., Halvorson, A., Qian, J., Ratsimbazafy, F., Loperena, R., Mayo, K., Basford, M., Deflaux, N., Muthuraman, K. N., Natarajan, K., Kho, et al
  2022; 3 (8): 100570

- **State-Level Policy Environments, Discrimination, and Victimization among Sexual and Gender Minority People.** *International journal of environmental research and public health*
  Clark, K. D., Lunn, M. R., Lev, E. M., Trujillo, M. A., Lubensky, M. E., Capriotti, M. R., Hoffmann, T. J., Obedin-Maliver, J., Flentje, A.
  2022; 19 (16)

- **Subjective Cognitive Decline Associated with Discrimination in Medical Settings among Transgender and Nonbinary Older Adults.** *International journal of environmental research and public health*
  Lambrou, N. H., Gleason, C. E., Obedin-Maliver, J., Lunn, M. R., Flentje, A., Lubensky, M. E., Flatt, J. D.
  2022; 19 (15)

- **Healthcare Mistreatment, State-Level Policy Protections, and Healthcare Avoidance Among Gender Minority People.** *Sexuality research & social policy : journal of NSRC : SR & SP*
  Clark, K. D., Luong, S., Lunn, M. R., Flowers, E., Bahalkeh, E., Lubensky, M. E., Capriotti, M. R., Obedin-Maliver, J., Flentje, A.
  2022; 19 (4): 1717-1730

- **Migraine, Migraine Disability, Trauma, and Discrimination in Sexual and Gender Minority Individuals.** *Neurology*
  Rosendale, N., Guterman, E. L., Obedin-Maliver, J., Flentje, A., Capriotti, M. R., Lubensky, M. E., Lunn, M. R.
  2022

- **Psychometric evaluation of the muscle dysmorphic disorder inventory (MDDI) among gender-expansive people.** *Journal of eating disorders*
  Compte, E. J., Cattle, C. J., Lavender, J. M., Brown, T. A., Murray, S. B., Capriotti, M. R., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R., Nagata, J. M.
  2022; 10 (1): 95

- **Psychometric validation of the Muscle Dysmorphic Disorder Inventory (MDDI) among U.S. transgender men.** *Body image*
  Nagata, J. M., Compte, E. J., McGuire, F. H., Lavender, J. M., Murray, S. B., Brown, T. A., Capriotti, M. R., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2022; 42: 43-49

- **COVID-19 News and Its Association with the Mental Health of Sexual and Gender Minority Adults: A Cross-Sectional Study.** *JMIR public health and surveillance*
  Clark, K. D., Lunn, M. R., Sherman, A. D., Bosley, H. G., Lubensky, M. E., Obedin-Maliver, J., Dastur, Z., Flentje, A.
  2022

- **DESIGNING FOR ADOPTION AND ADAPTATION OF EVIDENCE-BASED ANTI-TOBACCO MESSAGING BY ORGANIZATIONS SERVING LGBTQ plus COMMUNITIES**
  Salvia, M. G., Ramanadhan, S., Applegate, J., Chen, J. T., Hanby, E., Machado, A., Roberts, J., Sanders-Jackson, A., Viswanath, K., Lunn, M., Obedin-Maliver, J., Gordon, B., Scout, et al
  OXFORD UNIV PRESS INC.2022: S491

- **Supporting sexual and gender minority health-care workers.** *Nature reviews. Nephrology*
  Holmberg, M. H., Martin, S. G., Lunn, M. R.
  2022

- **Appearance and performance-enhancing drugs and supplements, eating disorders, and muscle dysmorphia among gender minority people.** *The International journal of eating disorders*
  Nagata, J. M., McGuire, F. H., Lavender, J. M., Brown, T. A., Murray, S. B., Greene, R. E., Compte, E. J., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2022

- **Associations among romantic and sexual partner history and muscle dysmorphia symptoms, disordered eating, and appearance- and performance-enhancing drugs and supplement use among cisgender gay men.** *Body image*
  Nagata, J. M., DeBenedetto, A. M., Brown, T. A., Lavender, J. M., Murray, S. B., Capriotti, M. R., Flentje, A., Lubensky, M. E., Cattle, C. J., Obedin-Maliver, J., Lunn, M. R.
  2022; 41: 67-73

- **Healthcare Mistreatment, State#Level Policy Protections, and Healthcare Avoidance Among Gender Minority People** *Sexuality Research and Social Policy*
  Clark, K. D., Luong, S., Lunn, M. R., Flowers, E., Bahalkeh, E., Lubensky, M. E., Capriotti, M. R., Obedin-Maliver, J., Flentje, A.
  2022

- **Sexual and Gender Minority Identity Disclosure from Undergraduate to Graduate Medical Education: Perceptions of Professional "Outness" Among Medical Students** *Annals of LGBTQ Public and Population Health*
  Keyes, T. J., Zucker, S., Goetz, T. G., Jia, J. L., Bunting, S. R., Lunn, M. R., Subak, L. L.
  2022; 3 (3)

- **Appearance and performance-enhancing drugs and supplements (APEDS): Lifetime use and associations with eating disorder and muscle dysmorphia symptoms among cisgender sexual minority people.** *Eating behaviors*
  Nagata, J. M., McGuire, F. H., Lavender, J. M., Brown, T. A., Murray, S. B., Compte, E. J., Cattle, C. J., Flentje, A., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2022; 44: 101595

- **Do Ask, Tell, and Show: Contextual Factors Affecting Sexual Orientation and Gender Identity Disclosure for Sexual and Gender Minority People.** *LGBT health*
  Suen, L. W., Lunn, M. R., Sevelius, J. M., Flentje, A., Capriotti, M. R., Lubensky, M. E., Hunt, C., Weber, S., Bahati, M., Rescate, A., Dastur, Z., Obedin-Maliver, J.

2022

- **Pregnancy intentions and outcomes among transgender, nonbinary, and gender-expansive people assigned female or intersex at birth in the United States: Results from a national, quantitative survey.** *International journal of transgender health*
  Moseson, H., Fix, L., Hastings, J., Stoeffler, A., Lunn, M. R., Flentje, A., Lubensky, M. E., Capriotti, M. R., Ragosta, S., Forsberg, H., Obedin-Maliver, J.
  2021; 22 (1-2): 30-41

- **From 'Shark-Week' to 'Mangina': An Analysis of Words Used by People of Marginalized Sexual Orientations and/or Gender Identities to Replace Common Sexual and Reproductive Health Terms.** *Health equity*
  Ragosta, S., Obedin-Maliver, J., Fix, L., Stoeffler, A., Hastings, J., Capriotti, M. R., Flentje, A., Lubensky, M. E., Lunn, M. R., Moseson, H.
  2021; 5 (1): 707-717

- **Sexual Orientation Diversity and Specialty Choice Among Graduating Allopathic Medical Students in the United States.** *JAMA network open*
  Mori, W. S., Gao, Y., Linos, E., Lunn, M. R., Obedin-Maliver, J., Yeung, H., Mansh, M. D.
  2021; 4 (9): e2126983

- **From 'Shark-Week' to 'Mangina': An Analysis of Words Used by People of Marginalized Sexual Orientations and/or Gender Identities to Replace Common Sexual and Reproductive Health Terms** *HEALTH EQUITY*
  Ragosta, S., Obedin-Maliver, J., Fix, L., Stoeffler, A., Hastings, J., Capriotti, M. R., Flentje, A., Lubensky, M. E., Lunn, M. R., Moseson, H.
  2021; 5 (1): 707-717

- **Abortion attempts without clinical supervision among transgender, nonbinary and gender-expansive people in the United States.** *BMJ sexual & reproductive health*
  Moseson, H. n., Fix, L. n., Gerdts, C. n., Ragosta, S. n., Hastings, J. n., Stoeffler, A. n., Goldberg, E. A., Lunn, M. R., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Obedin-Maliver, J. n.
  2021

- **Community norms of the Muscle Dysmorphic Disorder Inventory (MDDI) among gender minority populations.** *Journal of eating disorders*
  Nagata, J. M., Compte, E. J., McGuire, F. H., Lavender, J. M., Brown, T. A., Murray, S. B., Flentje, A., Capriotti, M. R., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2021; 9 (1): 87

- **Minority Stress, Structural Stigma, and Physical Health Among Sexual and Gender Minority Individuals: Examining the Relative Strength of the Relationships.** *Annals of behavioral medicine : a publication of the Society of Behavioral Medicine*
  Flentje, A., Clark, K. D., Cicero, E., Capriotti, M. R., Lubensky, M. E., Sauceda, J., Neilands, T. B., Lunn, M. R., Obedin-Maliver, J.
  2021

- **Community norms of the Muscle Dysmorphic Disorder Inventory (MDDI) among cisgender sexual minority men and women.** *BMC psychiatry*
  Nagata, J. M., Compte, E. J., Cattle, C. J., Lavender, J. M., Brown, T. A., Murray, S. B., Flentje, A., Capriotti, M. R., Lubensky, M. E., Obedin-Maliver, J., Lunn, M. R.
  2021; 21 (1): 297

- **Adverse Childhood Experiences and Past 30-Day Cigarette and E-Cigarette Use Among Sexual and Gender Minority College Students.** *LGBT health*
  Grigsby, T. J., Schnarrs, P. W., Lunn, M. R., Benjamin, S. M., Lust, K., Forster, M.
  2021

- **Understanding co-occurring depression symptoms and alcohol use symptoms among cisgender sexual minority women** *JOURNAL OF GAY & LESBIAN SOCIAL SERVICES*
  McGeough, B. L., Aguilera, A., Capriotti, M. R., Obedin-Maliver, J., Lubensky, M. E., Lunn, M. R., Flentje, A.
  2021; 33 (4): 427-450

- **Hypertension prevalence in the All of Us Research Program among groups traditionally underrepresented in medical research.** *Scientific reports*
  Chandler, P. D., Clark, C. R., Zhou, G., Noel, N. L., Achilike, C., Mendez, L., Ramirez, A. H., Loperena-Cortes, R., Mayo, K., Cohn, E., Ohno-Machado, L., Boerwinkle, E., Cicek, et al
  2021; 11 (1): 12849

- **Online health information seeking, health literacy, and human papillomavirus vaccination among transgender and gender-diverse people.** *Journal of the American Medical Informatics Association : JAMIA*

Pho, A. T., Bakken, S., Lunn, M. R., Lubensky, M. E., Flentje, A., Dastur, Z., Obedin-Maliver, J.
2021

- **Psychometric evaluation of the Muscle Dysmorphic Disorder Inventory (MDDI) among cisgender gay men and cisgender lesbian women.** *Body image*
  Compte, E. J., Cattle, C. J., Lavender, J. M., Murray, S. B., Brown, T. A., Capriotti, M. R., Flentje, A. n., Lubensky, M. E., Obedin-Maliver, J. n., Lunn, M. R., Nagata, J. M.
  2021; 38: 241–50

- **Pregnancy intentions and outcomes among transgender, nonbinary, and gender-expansive people assigned female or intersex at birth in the United States: Results from a national, quantitative survey** *INTERNATIONAL JOURNAL OF TRANSGENDER HEALTH*
  Moseson, H., Fix, L., Hastings, J., Stoeffler, A., Lunn, M. R., Flentje, A., Lubensky, M. E., Capriotti, M. R., Ragosta, S., Forsberg, H., Obedin-Maliver, J.
  2020

- **Characterization of substance use among underrepresented sexual and gender minority participants in The Population Research in Identity and Disparities for Equality (PRIDE) Study.** *Substance abuse*
  Barger, B. T., Obedin-Maliver, J. n., Capriotti, M. R., Lunn, M. R., Flentje, A. n.
  2020: 1–12

- **Eating disorder attitudes and disordered eating behaviors as measured by the Eating Disorder Examination Questionnaire (EDE-Q) among cisgender lesbian women.** *Body image*
  Nagata, J. M., Murray, S. B., Flentje, A. n., Compte, E. J., Schauer, R. n., Pak, E. n., Capriotti, M. R., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J. n.
  2020; 34: 215–20

- **Development of an affirming and customizable electronic survey of sexual and reproductive health experiences for transgender and gender nonbinary people.** *PloS one*
  Moseson, H. n., Lunn, M. R., Katz, A. n., Fix, L. n., Durden, M. n., Stoeffler, A. n., Hastings, J. n., Cudlitz, L. n., Goldberg, E. n., Lesser-Lee, B. n., Letcher, L. n., Reyes, A. n., Flentje, et al
  2020; 15 (5): e0232154

- **Recommendations for improving national clinical datasets for health equity research.** *Journal of the American Medical Informatics Association : JAMIA*
  Block, R. G., Puro, J. n., Cottrell, E. n., Lunn, M. R., Dunne, M. J., Quiñones, A. R., Chung, B. n., Pinnock, W. n., Reid, G. M., Heintzman, J. n.
  2020

- **Community norms for the eating disorder examination questionnaire (EDE-Q) among cisgender bisexual plus women and men.** *Eating and weight disorders : EWD*
  Nagata, J. M., Compte, E. J., Murray, S. B., Schauer, R. n., Pak, E. n., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J. n.
  2020

- **Sexual Subcultures and HIV Prevention Methods: An Assessment of Condom Use, PrEP, and TasP Among Gay, Bisexual, and Other Men Who Have Sex with Men Using a Social and Sexual Networking Smartphone Application.** *Archives of sexual behavior*
  Schnarrs, P. W., Jones, S. S., Parsons, J. T., Baldwin, A. n., Rosenberger, J. G., Lunn, M. R., Rendina, H. J.
  2020

- **Depression and Anxiety Changes Among Sexual and Gender Minority People Coinciding with Onset of COVID-19 Pandemic.** *Journal of general internal medicine*
  Flentje, A. n., Obedin-Maliver, J. n., Lubensky, M. E., Dastur, Z. n., Neilands, T. n., Lunn, M. R.
  2020

- **Community norms for the Eating Disorder Examination Questionnaire (EDE-Q) among gender-expansive populations.** *Journal of eating disorders*
  Nagata, J. M., Compte, E. J., Cattle, C. J., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Murray, S. B., Obedin-Maliver, J. n., Lunn, M. R.
  2020; 8 (1): 74

- **Abortion experiences and preferences of transgender, nonbinary, and gender-expansive people in the United States.** *American journal of obstetrics and gynecology*
  Moseson, H. n., Fix, L. n., Ragosta, S. n., Forsberg, H. n., Hastings, J. n., Stoeffler, A. n., Lunn, M. R., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Obedin-Maliver, J. n.

2020

- **Community norms for the Eating Disorder Examination Questionnaire (EDE-Q) among transgender men and women.** *Eating behaviors*
  Nagata, J. M., Murray, S. B., Compte, E. J., Pak, E. H., Schauer, R. n., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J. n.
  2020; 37: 101381

- **Depression and Anxiety Changes Among Sexual and Gender Minority People Coinciding with Onset of COVID-19 Pandemic.** *Journal of general internal medicine*
  Flentje, A. n., Obedin-Maliver, J. n., Lubensky, M. E., Dastur, Z. n., Neilands, T. n., Lunn, M. R.
  2020

- **Community norms for the Eating Disorder Examination Questionnaire (EDE-Q) among gender-expansive populations.** *Journal of eating disorders*
  Nagata, J. M., Compte, E. J., Cattle, C. J., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Murray, S. B., Obedin-Maliver, J. n., Lunn, M. R.
  2020; 8 (1): 74

- **Abortion experiences and preferences of transgender, nonbinary, and gender-expansive people in the United States.** *American journal of obstetrics and gynecology*
  Moseson, H. n., Fix, L. n., Ragosta, S. n., Forsberg, H. n., Hastings, J. n., Stoeffler, A. n., Lunn, M. R., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Obedin-Maliver, J. n.
  2020

- **Community norms for the Eating Disorder Examination Questionnaire (EDE-Q) among transgender men and women.** *Eating behaviors*
  Nagata, J. M., Murray, S. B., Compte, E. J., Pak, E. H., Schauer, R. n., Flentje, A. n., Capriotti, M. R., Lubensky, M. E., Lunn, M. R., Obedin-Maliver, J. n.
  2020; 37: 101381

- **Supporting sexual and gender minority health: Research priorities from mental health professionals** *JOURNAL OF GAY & LESBIAN MENTAL HEALTH*
  Clark, K. D., Capriotti, M. R., Obedin-Maliver, J., Lunn, M. R., Lubensky, M. E., Flentje, A.
  2019

- **Community norms for the Eating Disorder Examination Questionnaire among cisgender gay men.** *European eating disorders review : the journal of the Eating Disorders Association*
  Nagata, J. M., Capriotti, M. R., Murray, S. B., Compte, E. J., Griffiths, S. n., Bibbins-Domingo, K. n., Obedin-Maliver, J. n., Flentje, A. n., Lubensky, M. E., Lunn, M. R.
  2019

- **The "All of Us" Research Program.** *The New England journal of medicine*
  Denny, J. C., Rutter, J. L., Goldstein, D. B., Philippakis, A. n., Smoller, J. W., Jenkins, G. n., Dishman, E. n.
  2019; 381 (7): 668–76

- **Using mobile technology to engage sexual and gender minorities in clinical research.** *PloS one*
  Lunn, M. R., Capriotti, M. R., Flentje, A. n., Bibbins-Domingo, K. n., Pletcher, M. J., Triano, A. J., Sooksaman, C. n., Frazier, J. n., Obedin-Maliver, J. n.
  2019; 14 (5): e0216282

- **A digital health research platform for community engagement, recruitment, and retention of sexual and gender minority adults in a national longitudinal cohort study--The PRIDE Study.** *Journal of the American Medical Informatics Association : JAMIA*
  Lunn, M. R., Lubensky, M. n., Hunt, C. n., Flentje, A. n., Capriotti, M. R., Sooksaman, C. n., Harnett, T. n., Currie, D. n., Neal, C. n., Obedin-Maliver, J. n.
  2019

- **Advancing Equity in Nephrology: Enhancing Care for LGBTQ+ Patients and Our Workforce.** *Clinical journal of the American Society of Nephrology : CJASN*
  Mohottige, D. n., Lunn, M. R.
  2019

- **Resilience Against Depression Disparities (RADD): a protocol for a randomised comparative effectiveness trial for depression among predominantly low-income, racial/ethnic, sexual and gender minorities.** *BMJ open*

Vargas, S. M., Wennerstrom, A. n., Alfaro, N. n., Belin, T. n., Griffith, K. n., Haywood, C. n., Jones, F. n., Lunn, M. R., Meyers, D. n., Miranda, J. n., Obedin-Maliver, J. n., Pollock, M. n., Sherbourne, et al
2019; 9 (10): e031099

- **Genetic Counselors' and Genetic Counseling Students' Implicit and Explicit Attitudes toward Homosexuality.** *Journal of genetic counseling*
  Nathan, M. L., Ormond, K. E., Dial, C. M., Gamma, A. n., Lunn, M. R.
  2018
- **The new era of precision population health: insights for the All of Us Research Program and beyond.** *Journal of translational medicine*
  Lyles, C. R., Lunn, M. R., Obedin-Maliver, J. n., Bibbins-Domingo, K. n.
  2018; 16 (1): 211
- **Sociodemographic Characteristics and Health Outcomes Among Lesbian, Gay, and Bisexual US Adults Using Healthy People 2020 Leading Health Indicators** *LGBT HEALTH*
  Lunn, M. R., Cui, W., Zack, M. M., Thompson, W. W., Blank, M. B., Yehia, B. R.
  2017; 4 (4): 283–94
- **Estimating the Prevalence of Sexual Minority Adolescents.** *JAMA*
  Lunn, M. R., Obedin-Maliver, J. n., Bibbins-Domingo, K. n.
  2017; 317 (16): 1691–92
- **Applying Organizational Change to Promote Lesbian, Gay, Bisexual, and Transgender Inclusion and Reduce Health Disparities.** *LGBT health*
  Eckstrand, K. L., Lunn, M. R., Yehia, B. R.
  2017; 4 (3): 174–80
- **Lesbian, Gay, Bisexual, and Transgender Patient Care: Medical Students' Preparedness and Comfort.** *Teaching and learning in medicine*
  White, W., Brenman, S., Paradis, E., Goldsmith, E. S., Lunn, M. R., Obedin-Maliver, J., Stewart, L., Tran, E., Wells, M., Chamberlain, L. J., Fetterman, D. M., Garcia, G.
  2015; 27 (3): 254-263
- **Sexual and Gender Minority Identity Disclosure During Undergraduate Medical Education: "In the Closet" in Medical School** *ACADEMIC MEDICINE*
  Mansh, M., White, W., Gee-Tong, L., Lunn, M. R., Obedin-Maliver, J., Stewart, L., Goldsmith, E., Brenman, S., Tran, E., Wells, M., Fetterman, D., Garcia, G.
  2015; 90 (5): 634-644
- **What makes a top research medical school? A call for a new model to evaluate academic physicians and medical school performance.** *Academic medicine*
  Goldstein, M. J., Lunn, M. R., Peng, L.
  2015; 90 (5): 603-608
- **From Patients to Providers: Changing the Culture in Medicine Toward Sexual and Gender Minorities** *ACADEMIC MEDICINE*
  Mansh, M., Garcia, G., Lunn, M. R.
  2015; 90 (5): 574-580
- **Increasing incidence of acute kidney injury: also a problem in pregnancy?** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
  Lunn, M. R., Obedin-Maliver, J. n., Hsu, C. Y.
  2015; 65 (5): 650–54
- **First Annual LGBT Health Workforce Conference: Empowering Our Health Workforce to Better Serve LGBT Communities.** *LGBT health*
  Sánchez, N. F., Sánchez, J. P., Lunn, M. R., Yehia, B. R., Callahan, E. J.
  2014; 1 (1): 62-5
- **Randomized Clinical Trial to Evaluate the Efficacy and Safety of Valganciclovir in a Subset of Patients With Chronic Fatigue Syndrome** *JOURNAL OF MEDICAL VIROLOGY*
  Montoya, J. G., Kogelnik, A. M., Bhangoo, M., Lunn, M. R., Flamand, L., Merrihew, L. E., Watt, T., Kubo, J. T., Paik, J., Desai, M.
  2013; 85 (12): 2101-2109
- **Prioritizing health disparities in medical education to improve care.** *Annals of the New York Academy of Sciences*

Awosogba, T. n., Betancourt, J. R., Conyers, F. G., Estapé, E. S., Francois, F. n., Gard, S. J., Kaufman, A. n., Lunn, M. R., Nivet, M. A., Oppenheim, J. D., Pomeroy, C. n., Yeung, H. n.
2013; 1287: 17–30

- **Small molecule screen reveals regulation of survival motor neuron protein abundance by Ras proteins.** *ACS chemical biology*
  Letso, R. R., Bauer, A. J., Lunn, M. R., Yang, W. S., Stockwell, B. R.
  2013; 8 (5): 914–22
- **Summit on medical school education in sexual health: report of an expert consultation.** *The journal of sexual medicine*
  Coleman, E. n., Elders, J. n., Satcher, D. n., Shindel, A. n., Parish, S. n., Kenagy, G. n., Bayer, C. R., Knudson, G. n., Kingsberg, S. n., Clayton, A. n., Lunn, M. R., Goldsmith, E. n., Tsai, et al
  2013; 10 (4): 924–38
- **Response to valganciclovir in chronic fatigue syndrome patients with human herpesvirus 6 and Epstein-Barr virus IgG antibody titers** *JOURNAL OF MEDICAL VIROLOGY*
  Watt, T., Oberfoell, S., Balise, R., Lunn, M. R., Kar, A. K., Merrihew, L., Bhangoo, M. S., Montoya, J. G.
  2012; 84 (12): 1967-1974
- **Antiviral therapy of two patients with chromosomally-integrated human herpesvirus-6A presenting with cognitive dysfunction** *JOURNAL OF CLINICAL VIROLOGY*
  Montoya, J. G., Neely, M. N., Gupta, S., Lunn, M. R., Loomis, K. S., Pritchett, J. C., Polsky, B., Medveczky, P. G.
  2012; 55 (1): 40-45
- **Lesbian, Gay, Bisexual, and Transgender-Related Content in Undergraduate Medical Education** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Obedin-Maliver, J., Goldsmith, E. S., Stewart, L., White, W., Tran, E., Brenman, S., Wells, M., Fetterman, D. M., Garcia, G., Lunn, M. R.
  2011; 306 (9): 971-977
- **Prioritizing health disparities in medical education to improve care.** *Academic medicine : journal of the Association of American Medical Colleges*
  Lunn, M. R., Sánchez, J. P.
  2011; 86 (11): 1343
- **Hyperparathyroidism with hypercalcaemia in chronic kidney disease: primary or tertiary?** *NDT plus*
  Lunn, M. R., Muñoz Mendoza, J., Pasche, L. J., Norton, J. A., Ayco, A. L., Chertow, G. M.
  2010; 3 (4): 366-371
- **Spinal muscular atrophy: advances in research and consensus on care of patients.** *Current treatment options in neurology*
  Wang, C. H., Lunn, M. R.
  2008; 10 (6): 420-428
- **Spinal muscular atrophy** *LANCET*
  Lunn, M. R., Wang, C. H.
  2008; 371 (9630): 2120-2133
- **Spinal muscular atrophy.** *Lancet (London, England)*
  Lunn, M. R., Wang, C. H.
  2008; 371 (9630): 2120-33
- **Chemical genetics and orphan genetic diseases.** *Chemistry & biology*
  Lunn, M. R., Stockwell, B. R.
  2005; 12 (10): 1063–73
- **A flexible data analysis tool for chemical genetic screens.** *Chemistry & biology*
  Kelley, B. P., Lunn, M. R., Root, D. E., Flaherty, S. P., Martino, A. M., Stockwell, B. R.
  2004; 11 (11): 1495–1503
- **Indoprofen upregulates the survival motor neuron protein through a cyclooxygenase-independent mechanism.** *Chemistry & biology*
  Lunn, M. R., Root, D. E., Martino, A. M., Flaherty, S. P., Kelley, B. P., Coovert, D. D., Burghes, A. H., Man, N. T., Morris, G. E., Zhou, J. n., Androphy, E. J., Sumner, C. J., Stockwell, et al
  2004; 11 (11): 1489–93