Stanford



Lorene Nelson, PhD, MS

Professor of Epidemiology and Population Health, Emerita

Bio

ACADEMIC APPOINTMENTS

- Professor Emeritus, Epidemiology and Population Health
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Faculty Director of Research, Stanford Center for Population Health Sciences, Stanford University School of Medicine, (2014-2021)
- Chief, Division of Epidemiology, Department of Health Research & Policy, Stanford University School of Medicine, (2001-2010)
- Co-Founder and Co-Director, Graduate Program in Epidemiology, Dept. of Health Research & Policy, (1994-2004)
- Adjunct Investigator, Kaiser Division of Research, Oakland, CA, (1995-2008)
- Clinical Research Director, Rocky Mountain Multiple Sclerosis Center, University of Colorado Health Sciences Center, (1979-1987)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Primary epidemiology methodologic advisor for National Amyotrophic Lateral Sclerosis (ALS) Registry, National ALS Registry, Centers for Disease Control (CDC) (2009 - present)
- Associate Editor, American Journal of Epidemiology (2000 - 2010)
- Associate Editor, Neuroepidemiology (1999 - present)
- National committee to develop population-based registries multiple sclerosis, National Multiple Sclerosis Society Database Advisory Panel (1997 - 2005)
- Expert Panel Member and Lead Investigator, Workgroup on Prevalence of Multiple Sclerosis, National Multiple Sclerosis Society (2013 - present)
- Committee Member, Research Programs Action Committee (RPAC), National Multiple Sclerosis Society (2011 - 2017)
- Expert Panel Member, Expert Panel Workshop to Examine the Role of the Environment in the Development of Autoimmune Disease, National Institute of Environmental Health Sciences (NIEHS) (2010 - 2010)
- Meeting co-organizer, Genes and the Environment in ALS, National Institute of Environmental Health Sciences (NIEHS, NIH), Research Triangle Park, NC (2002 - 2002)
- Member, Institute of Medicine Board on Special Populations Committee: "Designing an Epidemiologic Study for MS and Other Neurologic Diseases in Pre- and Post-9/11 Veterans", National Academy of Sciences, Washington, D.C. (2014 - 2014)
- Expert Panel Member, Annual National ALS Biorepository Expert Panel Meeting, Agency for Toxic Substances and Disease Registry (2011 - present)
- Expert Panel Member, Consensus Conference on Amyotrophic Lateral Sclerosis in Veterans, Office of the Deputy Secretary of Defense (Health Affairs), Department of Veterans Affairs, and NIH (NINDS, NIEHS) (2007 - 2007)
- Councilor, Executive Committee of the Neuroepidemiology Section, American Academy of Neurology (2012 - 2015)
- Data Safety Monitoring Board (DSMB), NeuroPace (2005 - 2018)

PROFESSIONAL EDUCATION

- PhD, University of Washington , Epidemiology (1991)
- MS, Univ. of Colorado Sch. of Medicine , Biostatistics (1981)
- BS, Colorado State University , Neuroscience (1979)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Nelson's traditional research program has focused on the epidemiology and complex etiology of neurodegenerative disorders, including amyotrophic lateral sclerosis, multiple sclerosis, and Parkinson's disease. A recent additional focus of her work is on the development of mobile health and digital tools to carry out prospective research studies on neurologic disorders such as migraine headache.

As the Faculty Director of Research for the Stanford Center for Population Health Sciences, Dr. Nelson is leading strategic initiatives that involve a growing number of population health scientists at Stanford. Our goal is to develop innovative and transdisciplinary approaches to address the critical determinants of population health, including but not limited to strategies that can be addressed using electronic health care records from health information exchanges in defined geographic regions.

Teaching

COURSES

2023-24

- Big Data Methods for Behavioral, Social, and Population Health Research: EPI 270 (Spr)

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Epidemiology (Masters Program)
- Epidemiology (PhD Program)
- Immunology/Rheumatology (Fellowship Program)

Publications

PUBLICATIONS

- **Breastfeeding and Neurodevelopmental Outcomes in Children of Women Taking Antiseizure Medications.** *JAMA network open*
  Li, Y., Loring, D. W., Cohen, M. J., Gerard, E. E., Birnbaum, A. K., Matthews, A. G., Pennell, P. B., Meador, K. J.
  2026; 9 (9): e2637040
- **Population-Based Estimates for the Prevalence of Multiple Sclerosis in the United States by Race, Ethnicity, Age, Sex, and Geographic Region.** *JAMA neurology*
  Hittle, M., Culpepper, W. J., Langer-Gould, A., Marrie, R. A., Cutter, G. R., Kaye, W. E., Wagner, L., Topol, B., LaRocca, N. G., Nelson, L. M., Wallin, M. T.
  2023
- **Cardiovascular Diseases, Medications, and ALS: A Population-Based Case-Control Study.** *Neuroepidemiology*
  Abdel Magid, H. S., Topol, B., McGuire, V., Hinman, J. A., Kasarskis, E. J., Nelson, L. M.
  2022: 1-10
- **Mortality among Parkinson's disease patients treated with pimavanserin or atypical antipsychotics: An observational study in medicare**
  Akhtar, S., Mosholder, A., Ma, Y., Podskalny, G., Feng, Y., Lyu, H., Liao, J., Wei, Y., Wernecke, M., Leishear, K., Nelson, L., MaCurdy, T. E., Kelman, et al
  WILEY.2022: 80

- **Racial and Ethnic Disparities in Multiple Sclerosis Prevalence.** *Neurology*
  Langer-Gould, A. M., Gonzales, E. G., Smith, J. B., Li, B. H., Nelson, L. M.
  2022; 98 (18): e1818-e1827
- **Racial and Ethnic Disparities in Multiple Sclerosis Prevalence.** *Neurology*
  Langer-Gould, A. M., Gonzales, E. G., Smith, J. B., Li, B. H., Nelson, L. M.
  2022
- **Development and Internal Validation of a Multivariable Prediction Model for Individual Episodic Migraine Attacks Based on Daily Trigger Exposures.** *Headache*
  Holsteen, K. K., Hittle, M., Barad, M., Nelson, L. M.
  2020
- **Feasibility of Using a Nationally Representative Telephone Survey to Monitor Multiple Sclerosis Prevalence in the United States.** *Neuroepidemiology*
  Buka, S. L., Wallin, M. T., Culpepper, W. J., Lee, Y. H., Marrie, R. A., Nelson, L. M., Kaye, W. E., Wagner, L. n., Tremlett, H. n., Campbell, J. n., LaRocca, N. n.
  2020: 1–8
- **Two decades of research: Time to incorporate comorbidity management into the care of MS?** *Neurology*
  Nelson, L. M., Bourdette, D. n.
  2020
- **Implications of the COVID-19 San Francisco Bay Area Shelter-in-Place Announcement: A Cross-Sectional Social Media Survey.** *medRxiv : the preprint server for health sciences*
  Elser, H. n., Kiang, M. V., John, E. M., Simard, J. F., Bondy, M. n., Nelson, L. M., Chen, W. T., Linos, E. n.
  2020
- **What Matters in Parkinson's Disease: Sex, Number of Children, or Birth Cohort?** *Movement disorders : official journal of the Movement Disorder Society*
  Popat, R. A., Nelson, L. M.
  2020; 35 (7): 1108–10
- **A new way to estimate neurologic disease prevalence in the United States Illustrated with MS** *NEUROLOGY*
  Nelson, L. M., Wallin, M. T., Marrie, R., Culpepper, W. J., Langer-Gould, A., Campbell, J., Buka, S., Tremlett, H., Cutter, G., Kaye, W., Wagner, L., Larocca, N. G., US Multiple Sclerosis Prevalence W
  2019; 92 (10): 469–80
- **Validation of an algorithm for identifying MS cases in administrative health claims datasets** *NEUROLOGY*
  Culpepper, W. J., Marrie, R., Langer-Gould, A., Wallin, M. T., Campbell, J. D., Nelson, L. M., Kaye, W. E., Wagner, L., Tremlett, H., Chen, L. H., Leung, S., Evans, C., Yao, et al
  2019; 92 (10): E1016–E1028
- **The prevalence of MS in the United States A population-based estimate using health claims data** *NEUROLOGY*
  Wallin, M. T., Culpepper, W. J., Campbell, J. D., Nelson, L. M., Langer-Gould, A., Marrie, R., Cutter, G. R., Kaye, W. E., Wagner, L., Tremlett, H., Buka, S. L., Dilokthornsakul, P., Topol, et al
  2019; 92 (10): E1029–E1040
- **A new way to estimate neurologic disease prevalence in the United States: Illustrated with MS.** *Neurology*
  Nelson, L. M., Wallin, M. T., Marrie, R. A., Culpepper, W. J., Langer-Gould, A., Campbell, J., Buka, S., Tremlett, H., Cutter, G., Kaye, W., Wagner, L., Larocca, N. G., United States Multiple Sclerosis Prevalence Workgroup
  2019
- **Validation of an algorithm for identifying MS cases in administrative health claims datasets.** *Neurology*
  Culpepper, W. J., Marrie, R. A., Langer-Gould, A., Wallin, M. T., Campbell, J. D., Nelson, L. M., Kaye, W. E., Wagner, L., Tremlett, H., Chen, L. H., Leung, S., Evans, C., Yao, et al
  2019
- **The prevalence of MS in the United States: A population-based estimate using health claims data.** *Neurology*
  Wallin, M. T., Culpepper, W. J., Campbell, J. D., Nelson, L. M., Langer-Gould, A., Marrie, R. A., Cutter, G. R., Kaye, W. E., Wagner, L., Tremlett, H., Buka, S. L., Dilokthornsakul, P., Topol, et al

2019

- **Evaluation of a Mobile Device Survey System for Behavioral Risk Factors (SHAPE): App Development and Usability Study.** *JMIR formative research*
  Oakley-Girvan, I., Lavista, J. M., Miller, Y., Davis, S., Acle, C., Hancock, J., Nelson, L. M.
  2019; 3 (1): e10246
- **Physical Activity and Parkinson Disease Risk: An Intriguing Link.** *JAMA network open*
  Nelson, L. M.
  2018; 1 (5): e182633
- **A High-Density Genome-Wide Association Screen of Sporadic ALS in US Veterans** *PLOS ONE*
  Kwee, L. C., Liu, Y., Haynes, C., Gibson, J. R., Stone, A., Schichman, S. A., Kamel, F., Nelson, L. M., Topol, B., Van Den Eeden, S. K., Tanner, C. M., Cudkowicz, M. E., Grasso, et al
  2012; 7 (3)
- **Association of DRD2 and DRD3 polymorphisms with Parkinson's disease in a multiethnic consortium** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
  McGuire, V., Van Den Eeden, S. K., Tanner, C. M., Kamel, F., Umbach, D. M., Marder, K., Mayeux, R., Ritz, B., Ross, G. W., Petrovitch, H., Topol, B., Popat, R. A., Costello, et al
  2011; 307 (1-2): 22-29
- **Coffee, ADORA2A, and CYP1A2: the caffeine connection in Parkinson's disease** *EUROPEAN JOURNAL OF NEUROLOGY*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., Kamel, F., Umbach, D. M., Marder, K., Mayeux, R., Ritz, B., Ross, G. W., Petrovitch, H., Topol, B., McGuire, V., Costello, et al
  2011; 18 (5): 756-765
- **Vitamin D, Pregnancy, Breastfeeding, and Postpartum Multiple Sclerosis Relapses** *ARCHIVES OF NEUROLOGY*
  Langer-Gould, A., Huang, S., Van Den Eeden, S. K., Gupta, R., Leimpeter, A. D., Albers, K. B., Horst, R., Hollis, B., Steinman, L., Nelson, L. M.
  2011; 68 (3): 310-313
- **Familial Aggregation of Parkinson's Disease in a Multiethnic Community-Based Case-Control Study** *MOVEMENT DISORDERS*
  Shino, M. Y., McGuire, V., Van Den Eeden, S. K., Tanner, C. M., Popat, R., Leimpeter, A., Bernstein, A. L., Nelson, L. M.
  2010; 25 (15): 2587-2594
- **Comorbid Cancer in Parkinson's Disease** *MOVEMENT DISORDERS*
  Lo, R. Y., Tanner, C. M., Van Den Eeden, S. K., Albers, K. B., Leimpeter, A. D., Nelson, L. M.
  2010; 25 (12): 1809-1817
- **Autoimmune diseases prior to the diagnosis of multiple sclerosis: a population-based case-control study** *MULTIPLE SCLEROSIS JOURNAL*
  Langer-Gould, A., Albers, K. B., Van Den Eeden, S. K., Nelson, L. M.
  2010; 16 (7): 855-861
- **Reliability and validity of two self-administered questionnaires for screening restless legs syndrome in population-based studies** *SLEEP MEDICINE*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., Kushida, C. A., Rama, A. N., Black, J. E., Bernstein, A., Kasten, M., Chade, A., Leimpeter, A., Cassidy, J., McGuire, V., Nelson, et al
  2010; 11 (2): 154-160
- **Interferon-gamma-Producing T Cells, Pregnancy, and Postpartum Relapses of Multiple Sclerosis** *ARCHIVES OF NEUROLOGY*
  Langer-Gould, A., Gupta, R., Huang, S., Hagan, A., Atkuri, K., Leimpeter, A. D., Albers, K. B., Greenwood, E., Van Den Eeden, S. K., Steinman, L., Nelson, L. M.
  2010; 67 (1): 51-57
- **Obstetric outcomes in women with multiple sclerosis and epilepsy** *NEUROLOGY*
  Kelly, V. M., Nelson, L. M., Chakravarty, E. F.
  2009; 73 (22): 1831-1836
- **Clinical Features in Early Parkinson Disease and Survival** *ARCHIVES OF NEUROLOGY*
  Lo, R. Y., Tanner, C. M., Albers, K. B., Leimpeter, A. D., Fross, R. D., Bernstein, A. L., McGuire, V., Quesenberry, C. P., Nelson, L. M., Van Den Eeden, S. K.

2009; 66 (11): 1353-1358

- **Exclusive Breastfeeding and the Risk of Postpartum Relapses in Women With Multiple Sclerosis** *ARCHIVES OF NEUROLOGY*
  Langer-Gould, A., Huang, S. M., Gupta, R., Leimpeter, A. D., Greenwood, E., Albers, K. B., Van Den Eeden, S. K., Nelson, L. M.
  2009; 66 (8): 958-963

- **Genes and environmental exposures in veterans with amyotrophic lateral sclerosis: The GENEVA study** *NEUROEPIDEMIOLOGY*
  Schmidt, S., Allen, K. D., Loiacono, V. T., Norman, B., Stanwyck, C. L., Nord, K. M., Williams, C. D., Kasarskis, E. J., Kamel, F., McGuire, V., Nelson, L. M., Oddone, E. Z.
  2008; 30 (3): 191-204

- **Minimum incidence of primary cervical dystonia in a multiethnic health care population** *NEUROLOGY*
  Marras, C., Van Den Eeden, S. K., Fross, R. D., Benedict-Albers, K. S., Klingman, J., Leimpeter, A. D., Nelson, L. M., Risch, N., Karter, A. J., Bernstein, A. L., Tanner, C. M.
  2007; 69 (7): 676-680

- **Pooled analysis of tobacco use and risk of Parkinson disease** *ARCHIVES OF NEUROLOGY*
  Ritz, B., Ascherio, A., Checkoway, H., Marder, K. S., Nelson, L. M., Rocca, W. A., Ross, G. W., Strickland, D., Van Den Eeden, S. K., Gorell, J.
  2007; 64 (7): 990-997

- **Effect of non-steroidal anti-inflammatory medications on the risk of amyotrophic lateral sclerosis** *AMYOTROPHIC LATERAL SCLEROSIS*
  Popat, R. A., Tanner, C. M., Van Den Eeden, S. K., Bernstein, A. L., Bloch, D. A., Leimpeter, A., McGuire, V., Nelson, L. M.
  2007; 8 (3): 157-163

- **Clinical and demographic predictors of long-term disability in patients with relapsing-remitting multiple sclerosis - A systematic review** *ARCHIVES OF NEUROLOGY*
  Langer-Gould, A., Popat, R. A., Huang, S. M., Cobb, K., Fontoura, P., Gould, M. K., Nelson, L. M.
  2006; 63 (12): 1686-1691

- **Lack of replication of thirteen single-nucleotide polymorphisms implicated in Parkinson's disease: a large-scale international study** *LANCET NEUROLOGY*
  Elbaz, A., Nelson, L. M., Payami, H., Ioannidis, J. P., Fiske, B. K., Annesi, G., Belin, A. C., Factor, S. A., Ferrarese, C., Hadjigeorgiou, G. M., Higgins, D. S., Kawakami, H., Krueger, et al
  2006; 5 (11): 917-923

- **Obstetric hospitalizations in the United States for women with systemic lupus erythematosus and rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
  Chakravarty, E. F., Nelson, L., Krishnan, E.
  2006; 54 (3): 899-907

- **Effect of reproductive factors and postmenopausal hormone use on the risk of amyotrophic lateral sclerosis** *NEUROEPIDEMIOLOGY*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., Bernstein, A. L., Bloch, D. A., Leimpeter, A., McGuire, V., Nelson, L. M.
  2006; 27 (3): 117-121

- **Effect of reproductive factors and postmenopausal hormone use on the risk of Parkinson disease** *NEUROLOGY*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., McGuire, V., Bernstein, A. L., Bloch, D. A., Leimpeter, A., Nelson, L. M.
  2005; 65 (3): 383-390

- **The risk for malignant primary adult-onset glioma in a large, multiethnic, managed-care cohort: cigarette smoking and other lifestyle behaviors** *JOURNAL OF NEURO-ONCOLOGY*
  Efird, J. T., Friedman, G. D., Sidney, S., Klatsky, A., Habel, L. A., Udaltsova, N. V., Van den Eeden, S., Nelson, L. M.
  2004; 68 (1): 57-69

- **Incidence of Parkinson's disease: Variation by age, gender, and Race/Ethnicity** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Van den Eeden, S. K., Tanner, C. M., Bernstein, A. L., Fross, R. D., Leimpeter, A., Bloch, D. A., Nelson, L. M.
  2003; 157 (11): 1015-1022

- **Principles, organization, and operation of a DNA bank for clinical trials: a Department of Veterans Affairs cooperative study** *CONTROLLED CLINICAL TRIALS*
  Lavori, P. W., Krause-Steinrauf, H., Brophy, M., Buxbaum, J., Cockroft, J., Cox, D. R., Fiore, L., Greely, H. T., Greenberg, H., Holmes, E. W., Nelson, L. M., Sugarman, J.

2002; 23 (3): 222-239

- **Population-based case-control study of amyotrophic lateral sclerosis in western Washington State. I. Cigarette smoking and alcohol consumption** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Nelson, L. M., McGuire, V., Longstreth, W. T., Matkin, C.
  2000; 151 (2): 156-163
- **Population-based case-control study of amyotrophic lateral sclerosis in western Washington Sate. II. Diet** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Nelson, L. M., Matkin, C., Longstreth, W. T., McGuire, V.
  2000; 151 (2): 164-173
- **Epidemiologic approaches to the study of Parkinson's disease etiology** *EPIDEMIOLOGY*
  Checkoway, H., Nelson, L. M.
  1999; 10 (3): 327-336
- **Physical trauma and family history of neurodegenerative diseases in amyotrophic lateral sclerosis: A population-based case-control study** *NEUROEPIDEMIOLOGY*
  Cruz, D. C., Nelson, L. M., McGuire, V., Longstreth, W. T.
  1999; 18 (2): 101-110
- **Study design in genetic epidemiology: theoretical and practical considerations.** *Journal of the National Cancer Institute. Monographs*
  Whittemore, A. S., Nelson, L. M.
  1999: 61-69
- **Recursive partitioning for the identification of disease risk subgroups: A case-control study of subarachnoid hemorrhage** *JOURNAL OF CLINICAL EPIDEMIOLOGY*
  Nelson, L. M., Bloch, D. A., Longstreth, W. T., Shi, H.
  1998; 51 (3): 199-209
- **Assessment of occupational exposures in community-based case-control studies** *ANNUAL REVIEW OF PUBLIC HEALTH*
  McGuire, V., Nelson, L. M., Koepsell, T. D., Checkoway, H., Longstreth, W. T.
  1998; 19: 35-53
- **Occupational exposures and amyotrophic lateral sclerosis - A population-based case-control study** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  McGuire, V., Longstreth, W. T., Nelson, L. M., Koepsell, T. D., Checkoway, H., Morgan, M. S., VANBELLE, G.
  1997; 145 (12): 1076-1088
- **Case finding for epidemiological surveys of multiple sclerosis in United States communities.** *Multiple sclerosis*
  Nelson, L. M., ANDERSON, D. W.
  1995; 1 (1): 48-55
- **Epidemiology of ALS.** *Clinical neuroscience*
  Nelson, L. M.
  1995; 3 (6): 327-331
- **SUBARACHNOID HEMORRHAGE AND HORMONAL FACTORS IN WOMEN - A POPULATION-BASED CASE-CONTROL STUDY** *ANNALS OF INTERNAL MEDICINE*
  Longstreth, W. T., Nelson, L. M., Koepsell, T. D., VANBELLE, G.
  1994; 121 (3): 168-173
- **COMPLETENESS AND ACCURACY OF INTERVIEW DATA FROM PROXY RESPONDENTS - DEMOGRAPHIC, MEDICAL, AND LIFE-STYLE FACTORS** *EPIDEMIOLOGY*
  Nelson, L. M., Longstreth, W. T., Koepsell, T. D., Checkoway, H., VANBELLE, G.
  1994; 5 (2): 204-217
- **PROXY RESPONDENTS IN EPIDEMIOLOGIC RESEARCH** *EPIDEMIOLOGIC REVIEWS*
  Nelson, L. M., Longstreth, W. T., Koepsell, T. D., VANBELLE, G.
  1990; 12: 71-86

- **RISK OF MULTIPLE-SCLEROSIS EXACERBATION DURING PREGNANCY AND BREAST-FEEDING** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Nelson, L. M., Franklin, G. M., Jones, M. C.
  1988; 259 (23): 3441-3443

- **REFERRAL BIAS IN MULTIPLE-SCLEROSIS RESEARCH** *JOURNAL OF CLINICAL EPIDEMIOLOGY*
  Nelson, L. M., Franklin, G. M., Hamman, R. F., BOTELER, D. L., BAUM, H. M., Burks, J. S.
  1988; 41 (2): 187-192

- **Maternal and umbilical cord plasma concentrations of antiseizure medications: Results from the observational MONEAD study.** *Epilepsia*
  Avachat, C., Meador, K. J., Pennell, P. B., Birnbaum, A. K.
  2026

- **On the Two-Step Hybrid Design for Augmenting Randomized Trials Using Real-World Data** *STATISTICS IN BIOPHARMACEUTICAL RESEARCH*
  Xu, J., van Eijk, R. P. A., Ellis, A., Pan, T., Nelson, L. M., Roes, K. C. B., van Dijk, M., Sarno, M., van den Berg, L. H., Tian, L., Lu, Y.
  2025

- **On the Two-Step Hybrid Design for Augmenting Randomized Trials Using Real-World Data.** *Statistics in biopharmaceutical research*
  Xu, J., van Eijk, R. P., Ellis, A., Pan, T., Nelson, L. M., Roes, K. C., van Dijk, M., Sarno, M., van den Berg, L. H., Tian, L., Lu, Y.
  2025

- **Characterizing Microbial Markers Predictive for ALS Onset and Progression**
  Lomen-Hoerth, C., Ashkar, Z., Omarkhil, M., George, H., Straight, A., Gryshuk, A., Jaing, C., Mascarenhas, A., Dumlao, D., Nelson, L.
  WILEY.2025: S97

- **Fine Particulate Matter From 2020 California Wildfires and Mental Health-Related Emergency Department Visits.** *JAMA network open*
  Jung, Y. S., Johnson, M. M., Burke, M., Heft-Neal, S., Bondy, M. L., Chinthrajah, R. S., Cullen, M. R., Nelson, L., Dresser, C., Nadeau, K. C.
  2025; 8 (4): e253326

- **Association between spatial social polarisation and high blood pressure in older adults.** *Journal of epidemiology and community health*
  Abdel Magid, H. S., Jaros, S., Lovasi, G. S., Rosso, A. L., Tan, A. X., Rehkopf, D. H., Nelson, L. M., Carlson, M., Judd, S. E., Odden, M. C.
  2025

- **Prevalence, Demographic, and Clinical Factors Associated With Cognitive Dysfunction in Patients With Neuromyelitis Optica Spectrum Disorder (vol 102, e207965, 2024)** *NEUROLOGY*
  Vlahovic, L., McDonald, J., Hinman, J., Tomczak, A., Lock, C., Palmer, C. A., Cook, L. J., Yeaman, M. R., Burnett, M. K., Deutsch, G. K., Nelson, L. M., Han, M. H., CIRCLES Study Grp
  2024; 103 (3)

- **Prevalence, Demographic, and Clinical Factors Associated With Cognitive Dysfunction in Patients With Neuromyelitis Optica Spectrum Disorder.** *Neurology*
  Vlahovic, L., McDonald, J., Hinman, J., Tomczak, A., Lock, C., Palmer, C. A., Cook, L. J., Yeaman, M. R., Burnett, M. K., Deutsch, G. K., Nelson, L. M., Han, M. H.
  2024; 102 (1): e207965

- **Bringing micro to the macro: how citizen science data enrich geospatial visualizations to advance health equity** *JOURNAL OF MAPS*
  Soltani, S., Hinman, J. A., Blanco-Velazquez, I., Banchoff, A. W., Campero, M. I., Nelson, L. M., King, A. C.
  2023; 19 (1)

- **Behavioral Outcomes and Neurodevelopmental Disorders Among Children of Women With Epilepsy.** *JAMA neurology*
  Cohen, M. J., Meador, K. J., Loring, D. W., Matthews, A. G., Brown, C., Robalino, C. P., Birnbaum, A. K., Voinescu, P. E., Kalayjian, L. A., Gerard, E. E., Gedzelman, E. R., Hanna, J., Cavitt, et al
  2023

- **Hybrid controlled clinical trials using concurrent registries in Amyotrophic Lateral Sclerosis: A feasibility study.** *Clinical pharmacology and therapeutics*
  van Eijk, R. P., van den Berg, L. H., Roes, K. C., Tian, L., Lai, T. L., Nelson, L. M., Li, C., Scowcroft, A., Garcia-Segovia, J., Lu, Y.
  2023

- **Bringing Micro to the Macro: How Citizen Science Data Enrich Geospatial Visualizations to Advance Health Equity.** *Journal of maps*

Soltani, S., Hinman, J. A., Blanco-Velazquez, I., Banchoff, A. W., Campero, M. I., Nelson, L. M., King, A. C.
2023; 19 (1)

- **Telemedicine Utilization Among Patients With Multiple Sclerosis in the US Veterans Health Administration, 2010-2020.** *Neurology. Clinical practice*
  Abdel Magid, H. S., Jin, S., Culpepper, W. J., Nelson, L. M., Wallin, M.
  2022; 12 (6): e133-e142
- **Association of cannabis and/or opioid with quality of life and healthcare utilization in patients with chronic pain.** *Frontiers in pain research (Lausanne, Switzerland)*
  Salmasi, V., Nelson, L. M., Hong, J., Mackey, S. C.
  2022; 3: 1015605
- **A retrospective investigation of MOG-IgG titers in relapse and disability prediction in adult and pediatric myelin oligodendrocyte glycoprotein antibody-associated disease patients**
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