

# Nancy Yang

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## EDUCATION

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### University of California, San Francisco

School of Medicine, August 2022 - June 2027

San Francisco, CA

### University of Pennsylvania

College of Arts and Sciences, August 2017 - May 2021

- Major: Mathematics, Minors: Statistics and Data Science

Philadelphia, PA

## RESEARCH EXPERIENCE

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### UCSF Department of Pulmonology, Critical Care, and Sleep Medicine

*Yearlong Inquiry Program Scholar*, July 2025 - June 2026

- Working with Dr. Carolyn Calfee and Dr. Narges Alipanah-Lechner on various projects investigating pathophysiology and potential treatments of acute respiratory distress syndrome, including biomarker validation, heterogeneity of treatment effect, transcriptomics, and lipidomics projects.
- Funded via NIH TL1 training award and the UCSF Yearlong Research Fellowship.

San Francisco, CA

### Children's Hospital of Philadelphia, Division of Neonatology

*Research Data Analyst*, June 2021 - July 2022

- Worked with Dr. Heather Burriss on various social and environmental epidemiology projects.
- Analyzed electronic health records, insurance claims, and geographic exposure data using R, Stata, and ArcGIS. Performed data cleaning, ran regression models, mediation analyses, and Markov Chain Monte Carlo sampling.

Philadelphia, PA

## EXTRACURRICULAR INVOLVEMENTS

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### UCSF Internal Medicine Interest Group

*Co-coordinator*, January 2023 - December 2023

- Organized an internal medicine match panel featuring 4 MS4s that had over 40 attendees.
- Maintained relations with national organization and faculty lead, helped organize the clinical reasoning elective, hospital medicine night, and mentoring/shadowing program.

San Francisco, CA

### Firefly Project, UCSF Hellen Diller Family Comprehensive Cancer Center

*Pen pal*, September 2025 - present

- Participate in a longitudinal letter and art exchange with adult oncology patients, engaging in reflective dialogue about navigating life-altering illness, shifting priorities, resilience, and the patient experience.

San Francisco, CA

### Maitri Compassionate Care

*Hospice and respite care volunteer*, February 2026 - present

- Provide companionship and emotional support to residents in a residential care setting serving individuals with HIV/AIDS in need of hospice or respite care, including accompaniment to appointments.

San Francisco, CA

## PUBLICATIONS

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**Yang N**, Subak LL, Shatkin-Margolis A, et al. Sexual function in a randomized trial of pelvic yoga for urinary incontinence. *Urogynecology*. 2025. doi:10.1097/SPV.0000000000001705.

**Yang N**, Fang MC, Rambachan A. Sex Disparities in Opioid Prescription and Administration on a Hospital Medicine Service.

*Journal of General Internal Medicine*. 2024 Nov;39(14):2679-2688. doi:10.1007/s11606-024-08814-7.

**Yang N**, Quick HS, Melly SJ, et al. Spatial Patterning of Spontaneous and Medically Indicated Preterm Birth in Philadelphia. *American Journal of Epidemiology*. 2024 Feb 5;193(3):469-478. doi:10.1093/aje/kwad207.

**Yang N**, Collins J, Burris HH. States with more killings of unarmed Black people have larger Black-White preterm birth disparities. Research letter in *Journal of Perinatology*. 2021 Feb;41(2):358-359. doi:10.1038/s41372-020-00914-6.

**Yang N**, Groeneveld PW, Khatana SAM, et al. Variability in reported percutaneous coronary intervention mortality among physicians practicing at multiple sites in New York State. Research letter in *JAMA Cardiology*. 2021 Apr 1;6(4):477-478. doi:10.1001/jamacardio.2020.6717.

Burris HH, **Yang N**, Riis V, Valeri L, South EC, Ravel J, Elovitz MA. The role of neighborhood deprivation in the cervicovaginal microbiota. *Am J Obstet Gynecol MFM*. 2024 Mar;6(3):101291. doi:10.1016/j.ajogmf.2024.101291.

Mari KE, **Yang N**, Boland MR, et al. Assessing racial residential segregation as a risk factor for severe maternal morbidity. *Annals of Epidemiology*. 2023 Jul;83:23-29. doi:10.1016/j.annepidem.2023.04.018.

Nelin TD, **Yang N**, Radack J, et al. Associations of neighborhood social vulnerability with emergency department visits and readmissions among infants with bronchopulmonary dysplasia. *Journal of Perinatology*. 2023 Oct;43(10):1308-1313. doi:10.1038/s41372-023-01735-z.

Gerson KD, **Yang N**, Landau Z, et al. Tyramine paradoxically suppresses immune output of the cervicovaginal epithelium: potential mechanisms promoting a Lactobacillus-deplete microbiota. *American Journal of Obstetrics & Gynecology*. 2023;228(1),S166-S167. doi:10.1016/j.ajog.2022.11.319.

Gerson KD, **Yang N**, Ravel J, et al. Microbes common in a Lactobacillus-deplete microbiota are negatively correlated with lipid metabolite abundance in pregnancy. *American Journal of Obstetrics & Gynecology*. 2023;228(1), S512-S513. doi:10.1016/j.ajog.2022.11.878.

Gerson KD, **Yang N**, Anton L, et al. Second trimester short cervix is associated with decreased abundance of cervicovaginal lipid metabolites. *American Journal of Obstetrics and Gynecology*. 2022;227(2),273.e1-273.e18. doi:10.1016/j.ajog.2022.04.031.

Amuzie O, Radack J, **Yang N**, et al. National Variation in Black Immigrant Preterm Births and the Role of County Level Social Factors. *Journal of Racial and Ethnic Health Disparities*. 2025 Dec;12(6):4033-4042. doi:10.1007/s40615-024-02198-4.

Nelin TD, Radack JK, **Yang N**, et al. Associations of PM2.5 exposure with emergency department visits and readmissions among preterm infants with bronchopulmonary dysplasia. *Pediatric Pulmonology*. 2024 Nov;59(11):2947-2955. doi:10.1002/ppul.27164.

Nathan AS, Yang L, **Yang N**, et al. Racial, Ethnic, and Socioeconomic Disparities in Access to Transcatheter Aortic Valve Replacement Within Major Metropolitan Areas. *JAMA Cardiology*. 2022 Feb 1;7(2):150-157. doi:10.1001/jamacardio.2021.4641.

Nathan AS, Yang L, **Yang N**, et al. Socioeconomic and Geographic Characteristics of Hospitals Establishing Transcatheter Aortic Valve Replacement Programs, 2012-2018. *Circulation: Cardiovascular Quality and Outcomes*. 2021 Nov;14(11):e008260. doi:10.1161/circoutcomes.121.008260.

Nathan AS, Raman S, **Yang N**, et al. Association between 90-minute door-to-balloon time, selective exclusion of myocardial infarction cases, and access site choice. *Circulation: Cardiovascular Interventions*. 2020 Sep;13(9):e009179. doi:10.1161/circinterventions.120.009179.

Handley SC, Ledyard R, Lundsberg LS, Passarella M, **Yang N**, Son M, McKenney K, Greenspan J, Dysart K, Culhane JF, Burris HH. Changes in prenatal testing during the COVID-19 pandemic. *Frontiers in Pediatrics, section Neonatology*. 2022 Nov 9:10:1064039. doi:10.3389/fped.2022.1064039.

Escoto KM, Mullin AM, Ledyard R, Rovit E, **Yang N**, et al. Benzene and NO2 Exposure during Pregnancy and Preterm Birth in Two Philadelphia Hospitals, 2013-2017. *International Journal of Environmental Research and Public Health*. 2022 Aug

19;19(16):10365. doi:10.3390/ijerph191610365.

Mullin AM, Handley SC, Lundsberg L, Elovitz MA, Lorch S, McComb E, Montoya-Williams D, **Yang N**, Dysart K, Son M, Greenspan J, Culhane JF, Burris HH. Changes in preterm birth during the COVID-19 pandemic by duration of exposure and race and ethnicity. *Journal of Perinatology*. 2022 Oct;42(10):1346-1352. doi:10.1038/s41372-022-01488-1.

## PRESENTATIONS AND POSTERS

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**Yang N**, Russell DW, Chapple AG, et al. Dipeptidyl Peptidase 3 Predicts Mortality and Respiratory Support in a Multicenter Acute Hypoxemic Respiratory Failure Cohort. Poster discussion session at *American Thoracic Society Annual Conference*; Orlando, FL. May 2026.

**Yang N**, Bartek B, Thompson BT, et al. Heterogeneity in Response to Enteral Nutrition Strategies and Omega-3 Supplementation Among Phenotypes of Acute Respiratory Distress Syndrome. Poster discussion session at *American Thoracic Society Annual Conference*; Orlando, FL. May 2026.

**Yang N**, Subak LL, Shatkin-Margolis A, et al. Sexual function among women with urinary incontinence in a multicenter randomized trial of pelvic floor yoga. Oral presentation at Society of General Internal Medicine Annual Meeting; Fort Lauderdale, FL. May 2025.

**Yang N**, Lisha NE, Shatkin-Margolis A, et al. Assessing the contribution of incontinence-specific, physical, and psychological factors to sexual function in women with urinary incontinence in a multicenter randomized trial. Poster presentation at Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting; Kansas City, MO. November 2023.

**Yang N**, Quick HS, Melly SJ, et al. Spatial Patterning of Spontaneous and Medically Indicated Preterm Birth in Philadelphia. Poster presentation at *Eastern Medical Research Conference*; virtual. March 2022.

**Yang N**, Groeneveld PW, Khatana SAM, et al. Variability in reported percutaneous coronary intervention mortality among physicians practicing at multiple sites in New York State. Oral presentation at *American Heart Association Scientific Sessions*; virtual. November 2020.