Stanford



Shalmali Bane

Research Assistant, Pediatrics - Neonatology

Bio

BIO

Shalmali Bane is doctoral student in the Department of Epidemiology and Population Health. She is a trainee with the Center for Population Health Sciences, in the Stanford School of Medicine. She works with Dr. Suzan Carmichael on examining social determinants of reproductive health and perinatal outcomes. Shalmali grew up in India and received a biology degree from Stanford, with a focus in Neurobiology. Prior to graduate school, she was a healthcare consultant with the Analysis Group, where she focused on survey research, literature reviews, and budget impact modelling. She is passionate about equity and inclusion initiatives and serves on her departmental JEDI committee. She hopes to meld all of these experiences together in her current work: applying rigorous epidemiological methods to study how factors like socially determined race/ethnicity and socio-economic position impact the experiences of birthing persons.

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Justice, Equity, Diversity, and Inclusion Committee, Department of Epidemiology and Population Health
- Home Program Department Representative, Stanford Biosciences Student Association

Publications

PUBLICATIONS

- **Risk factors for the recurrence of Severe Maternal Morbidity in first and second births in California, 1997-2020.** *American journal of obstetrics and gynecology*
  Bane, S., Magalhães, M., Snowden, J. M., Kan, P., Lyndon, A., Carmichael, S. L.
  2025
- **Severe maternal morbidity in Louisiana by race, rurality, poverty, and availability of care.** *Public health*
  Gillispie-Bell, V., Bane, S., Martin, J., Kan, P., Mujahid, M. S., Carmichael, S. L.
  2025; 246: 105824
- **Can Birth Hospital Explain Racial/Ethnic Differences in Cesarean Birth Among Low-Risk Births? An Analysis of California Data, 2007-2018.** *Journal of racial and ethnic health disparities*
  Bane, S., Mujahid, M. S., Kan, P., Main, E. K., Carmichael, S. L.
  2025
- **Episiotomy and severe perineal laceration among Asian American, Native Hawaiian, and Pacific Islander nulliparous individuals in California.** *AJOG global reports*
  Chidyausiku, T., Bane, S., Sperling, M. M., Main, E. K., Carmichael, S. L.
  2025; 5 (1): 100450
- **Unanswered Questions from Abortion Seekers: An application of the Research Prioritization by the Affected Community (RPAC) protocol in the Central Valley, California.** *Contraception*

Bane, S., Rivera, M., Soh, J. S., Yakzan, A., Lopez, K., Henkel, A., Cahill, E., Espinosa, P. R., Carmichael, S., Mastey, N.
2024: 110803

- **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
- **A Counterfactual Analysis of Impact of Cesarean Birth in a First Birth on Severe Maternal Morbidity in the Subsequent Birth.** *Epidemiology (Cambridge, Mass.)*
  Bane, S., Snowden, J. M., Simard, J. F., Odden, M., Kan, P., Main, E. K., Carmichael, S. L.
  2024
- **Misdiagnosis, missed diagnosis and delayed diagnosis of lupus: A qualitative study of rheumatologists.** *Arthritis care & research*
  Bane, S., Falasinnu, T., Rodriguez Espinosa, P., Simard, J. F.
  2024
- **Considering pregnancies as repeated versus independent events: An empirical comparison of common approaches across selected perinatal outcomes.** *American journal of obstetrics & gynecology MFM*
  Bane, S., Carmichael, S. L., Mathur, M. B., Simard, J. F.
  2024: 101434
- **Socioeconomic disadvantage and racial/ethnic disparities in low-risk cesarean birth in California.** *American journal of epidemiology*
  Bane, S., Mujahid, M. S., Main, E. K., Carmichael, S. L.
  2024
- **Epidemiology of elective induction of labour: a timeless exposure.** *International journal of epidemiology*
  Snowden, J. M., Bane, S., Osmundson, S. S., Odden, M. C., Carmichael, S. L.
  2024; 53 (4)
- **Impact of Incentives on Physician Participation in Research Surveys: Randomized Experiment.** *JMIR formative research*
  Hawa, S., Bane, S., Kinsler, K., Rector, A., Chaichian, Y., Falasinnu, T., Simard, J. F.
  2024; 8: e54343
- **Antihypertensive Medication Use before and during Pregnancy and the Risk of Severe Maternal Morbidity in Individuals with Prepregnancy Hypertension.** *American journal of perinatology*
  Bane, S., Wall-Wieler, E., Druzin, M. L., Carmichael, S. L.
  2022
- **Risk factors and pregnancy outcomes vary among Asian American, Native Hawaiian, and Pacific Islander individuals giving birth in California.** *Annals of epidemiology*
  Bane, S., Abrams, B., Mujahid, M., Ma, C., Shariff-Marco, S., Main, E., Profit, J., Xue, A., Palaniappan, L., Carmichael, S. L.
  2022
- **Subsequent risk of stillbirth, preterm birth, and small for gestational age: A cross-outcome analysis of adverse birth outcomes.** *Paediatric and perinatal epidemiology*
  Bane, S., Simard, J. F., Wall-Wieler, E., Butwick, A. J., Carmichael, S. L.
  2022
- **Does active treatment in infants born at 22-23 weeks correlate with outcomes of more mature infants at the same hospital? An analysis of California NICU data, 2015-2019.** *Journal of perinatology : official journal of the California Perinatal Association*
  Bane, S., Rysavy, M. A., Carmichael, S. L., Lu, T., Bennett, M., Lee, H. C.
  2022
- **Does Severe Maternal Morbidity impact the probability of subsequent birth? A population-based study of women in California from 1997-2012.** *Annals of epidemiology*
  Bane, S., Carmichael, S. L., Snowden, J. M., Liu, C., Lyndon, A., Wall-Wieler, E.
  2021
- **Success of community approach to HPV vaccination in school-based and non-school-based settings in Haiti** *PLOS ONE*
  Riviere, C., Bell, T., Cadot, Y., Perodin, C., Charles, B., Bertil, C., Cheung, J., Bane, S., Cheung, H., Pape, J., Deschamps, M.

2021; 16 (6): e0252310

- **Recurrence of severe maternal morbidity: A population-based cohort analysis of California women.** *Paediatric and perinatal epidemiology*
  Bane, S., Wall-Wieler, E., Lyndon, A., Carmichael, S. L.
  2020

- **Severe Maternal Morbidity among US- and Foreign-born Asian and Pacific Islander women in California.** *Annals of epidemiology*
  Wall-Wieler, E. n., Bane, S. n., Lee, H. C., Carmichael, S. L.
  2020

- **Tumor Mutational Burden as a Predictive Biomarker for Response to Immune Checkpoint Inhibitors: A Review of Current Evidence** *ONCOLOGIST*
  Klempner, S. J., Fabrizio, D., Bane, S., Reinhart, M., Peoples, T., Ali, S. M., Sokol, E. S., Frampton, G., Schrock, A. B., Anhorn, R., Reddy, P.
  2020; 25 (1): E147–E159

- **Reentrainment Impairs Spatial Working Memory until Both Activity Onset and Offset Reentrain.** *Journal of biological rhythms*
  Ruby, N. F., Patton, D. F., Bane, S., Looi, D., Heller, H. C.
  2015; 30 (5): 408-416