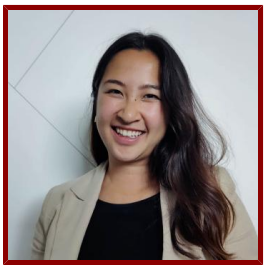
Stanford



Anna Nguyen

Research Engineer, Epidemiology and Population Health

Bio

ACADEMIC APPOINTMENTS

- Research Engineer, Epidemiology and Population Health

PROFESSIONAL EDUCATION

- MPH, University of California, Berkeley , Epidemiology and Biostatistics (2021)
- BA, University of California, Berkeley , Public Health and Data Science (2020)

Teaching

COURSES

2024-25

- R Fundamentals for Health Research: CHPR 202, EPI 202 (Win)

2023-24

- R Fundamentals for Health Research: CHPR 202, EPI 202 (Win)

Publications

PUBLICATIONS

- **Potential pathogens and antimicrobial resistance genes in household environments: a study of soil floors and cow dung in rural Bangladesh.** *Applied and environmental microbiology*

  Nguyen, A. T., Ratnasiri, K., Barratt Heitmann, G., Tazin, S., Anderson, C., Hanif, S., Yeamin, A., Shoab, A. K., Shanta, I. S., Jahan, F., Hossain, M. S., Mahmud, Z. H., Jubair, et al

  2025: e0066925

- **Which social media platforms facilitate monitoring the opioid crisis?** *PLOS digital health*

  Carpenter, K. A., Nguyen, A. T., Smith, D. A., Samori, I. A., Humphreys, K., Lembke, A., Kiang, M. V., Eichstaedt, J. C., Altman, R. B.

  2025; 4 (4): e0000842

- **Pathways through which water, sanitation, hygiene, and nutrition interventions reduce antibiotic use in young children: a mediation analysis of a cohort nested within a cluster-randomized trial.** *EClinicalMedicine*

  Nguyen, A. T., Heitmann, G. B., Mertens, A., Ashraf, S., Rahman, M. Z., Ali, S., Rahman, M., Arnold, B. F., Grembi, J. A., Lin, A., Ercumen, A., Benjamin-Chung, J.

  2025; 82: 103147

- **Associations between weather extremes and faecal contamination along pathogen transmission pathways in rural Bangladeshi households: a prospective observational study.** *The Lancet. Planetary health*

  Niven, C. G., Islam, M., Nguyen, A., Grembi, J. A., Mertens, A., Pickering, A. J., Kwong, L. H., Alam, M., Sen, D., Islam, S., Rahman, M., Unicomb, L., Hubbard, et al

2025; 9 (1): e5-e13

- **Associations between weather and Plasmodium vivax malaria in an elimination setting in Peru: a distributed lag analysis.** *medRxiv : the preprint server for health sciences*
  Heitmann, G. B., Wu, X., Nguyen, A. T., Altamirano-Quiroz, A., Fine, S., Fernandez-Camacho, B., Barja, A., Cava, R., Soto-Calle, V., Rodriguez, H., Carrasco-Escobar, G., Bennett, A., Llanos-Cuentas, et al
  2024

- **Intermittent preventive treatment for malaria in pregnancy and infant growth: a mediation analysis of a randomised trial.** *EBioMedicine*
  Tong, Y., Ratnasiri, K., Hanif, S., Nguyen, A. T., Roh, M. E., Dorsey, G., Kakuru, A., Jagannathan, P., Benjamin-Chung, J.
  2024; 109: 105397

- **Estimating community-wide indirect effects of influenza vaccination: triangulation using mathematical models and bias analysis.** *American journal of epidemiology*
  Arinaminpathy, N., Reed, C., Biggerstaff, M., Nguyen, A. T., Athni, T. S., Arnold, B. F., Hubbard, A., Reingold, A., Benjamin-Chung, J.
  2024

- **Extension of efficacy range for targeted malaria-elimination interventions due to spillover effects.** *Nature medicine*
  Benjamin-Chung, J., Li, H., Nguyen, A., Barratt Heitmann, G., Bennett, A., Ntuku, H., Prach, L. M., Tambo, M., Wu, L., Drakeley, C., Gosling, R., Mumbengegwi, D., Kleinschmidt, et al
  2024

- **Influence of hydrometeorological risk factors on child diarrhea and enteropathogens in rural Bangladesh.** *PLoS neglected tropical diseases*
  Grembi, J. A., Nguyen, A. T., Riviere, M., Heitmann, G. B., Patil, A., Athni, T. S., Djajadi, S., Ercumen, A., Lin, A., Crider, Y., Mertens, A., Karim, M. A., Islam, et al
  2024; 18 (5): e0012157

- **Influence of Temperature and Precipitation on the Effectiveness of Water, Sanitation, and Handwashing Interventions against Childhood Diarrheal Disease in Rural Bangladesh: A Reanalysis of the WASH Benefits Bangladesh Trial.** *Environmental health perspectives*
  Nguyen, A. T., Grembi, J. A., Riviere, M., Barratt Heitmann, G., Hutson, W. D., Athni, T. S., Patil, A., Ercumen, A., Lin, A., Crider, Y., Mertens, A., Unicomb, L., Rahman, et al
  2024; 132 (4): 47006

- **WASH interventions and child diarrhea at the interface of climate and socioeconomic position in Bangladesh.** *Nature communications*
  Ante-Testard, P. A., Rerolle, F., Nguyen, A. T., Ashraf, S., Parvez, S. M., Naser, A. M., Benmarhnia, T., Rahman, M., Luby, S. P., Benjamin-Chung, J., Arnold, B. F.
  2024; 15 (1): 1556

- **Causes and consequences of child growth faltering in low-resource settings.** *Nature*
  Mertens, A., Benjamin-Chung, J., Colford, J. M., Coyle, J., van der Laan, M. J., Hubbard, A. E., Rosete, S., Malenica, I., Hejazi, N., Sofrygin, O., Cai, W., Li, H., Nguyen, et al
  2023

- **Early-childhood linear growth faltering in low- and middle-income countries.** *Nature*
  Benjamin-Chung, J., Mertens, A., Colford, J. M., Hubbard, A. E., van der Laan, M. J., Coyle, J., Sofrygin, O., Cai, W., Nguyen, A., Pokpongkiat, N. N., Djajadi, S., Seth, A., Jilek, et al
  2023

- **Child wasting and concurrent stunting in low- and middle-income countries.** *Nature*
  Mertens, A., Benjamin-Chung, J., Colford, J. M., Hubbard, A. E., van der Laan, M. J., Coyle, J., Sofrygin, O., Cai, W., Jilek, W., Rosete, S., Nguyen, A., Pokpongkiat, N. N., Djajadi, et al
  2023

- **Rigour and reproducibility in perinatal and paediatric epidemiologic research using big data.** *Paediatric and perinatal epidemiology*
  Nguyen, A., Benjamin-Chung, J.
  2023

- **Evaluation of a city-wide school-located influenza vaccination program in Oakland, California with respect to race and ethnicity: A matched cohort study.** *Vaccine*
  Nguyen, A. T., Arnold, B. F., Kennedy, C. J., Mishra, K., Pokpongkiat, N. N., Seth, A., Djajadi, S., Holbrook, K., Pan, E., Kirley, P. D., Libby, T., Hubbard, A. E., Reingold, et al
  2021

- **City-wide school-located influenza vaccination: A retrospective cohort study.** *Vaccine*

  Benjamin-Chung, J., Arnold, B. F., Mishra, K., Kennedy, C. J., Nguyen, A., Pokpongkiat, N. N., Djajadi, S., Seth, A., Klein, N. P., Hubbard, A. E., Reingold, A., Colford, J. M.

  2021

- **Evaluation of a city-wide school-located influenza vaccination program in Oakland, California, with respect to vaccination coverage, school absences, and laboratory-confirmed influenza: A matched cohort study** *PLOS MEDICINE*

  Benjamin-Chung, J., Arnold, B. F., Kennedy, C. J., Mishra, K., Pokpongkiat, N., Nguyen, A., Jilek, W., Holbrook, K., Pan, E., Kirley, P. D., Libby, T., Hubbard, A. E., Reingold, et al

  2020; 17 (8): e1003238

- **Substantial underestimation of SARS-CoV-2 infection in the United States.** *Nature communications*

  Wu, S. L., Mertens, A. N., Crider, Y. S., Nguyen, A. n., Pokpongkiat, N. N., Djajadi, S. n., Seth, A. n., Hsiang, M. S., Colford, J. M., Reingold, A. n., Arnold, B. F., Hubbard, A. n., Benjamin-Chung, et al

  2020; 11 (1): 4507