



## Meri Varkila

Postdoctoral Scholar, Infectious Diseases

### Bio

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#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- Early Career Award, Thrasher Research Fund (2024)
- Global Health Postdoctoral Affiliate, Center for Innovation in Global Health (CIGH), Stanford University

#### STANFORD ADVISORS

- Julie Parsonnet, Postdoctoral Faculty Sponsor
- Julie Parsonnet, Postdoctoral Research Mentor

### Publications

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#### PUBLICATIONS

- **Dialysis Facility Closures in the US From 2018 to 2024: A Serial Cross-Sectional Study.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*  
Varkila, M. R., Montez-Rath, M., Yu, X., Subramanian, N., Owens, D. K., Brady, B., Block, G. A., Parsonnet, J., Chertow, G. M., Anand, S.  
2026
- **Detection and quantification of human immunodeficiency virus-1 (HIV-1) total nucleic acids in wastewater settled solids from two California communities.** *Applied and environmental microbiology*  
Wolfe, M. K., Varkila, M. R., Zulli, A., Parsonnet, J., Boehm, A. B.  
2024: e0147724
- **Acceptance of SARS-CoV-2 Surveillance Testing Among Patients Receiving Dialysis: A Cluster Randomized Trial.** *JAMA network open*  
Montez-Rath, M., Varkila, M., Yu, X., Brillhart, S., Morgan, C., Leppink, A., Block, M. S., Mehta, S., Hunsader, P., Fountaine, A., Subramanian, N., Dittrich, M., Owens, et al  
2024; 7 (9): e2434159
- **Observations of Respiratory Syncytial Virus (RSV) Nucleic Acids in Wastewater Solids Across the United States in the 2022-2023 Season: Relationships with RSV Infection Positivity and Hospitalization Rates.** *ACS ES&T water*  
Zulli, A., Varkila, M. R., Parsonnet, J., Wolfe, M. K., Boehm, A. B.  
2024; 4 (4): 1657-1667
- **Use of Wastewater Metrics to Track COVID-19 in the US.** *JAMA network open*  
Varkila, M. R., Montez-Rath, M. E., Salomon, J. A., Yu, X., Block, G. A., Owens, D. K., Chertow, G. M., Parsonnet, J., Anand, S.  
2023; 6 (7): e2325591
- **Feasibility and Acceptability of SARS-CoV-2 Screening among Patients Receiving Hemodialysis: A Pilot Study.** *Clinical journal of the American Society of Nephrology : CJASN*

Anand, S., Montez-Rath, M., Varkila, M., Yu, X., Block, M., Brillhart, S., Leppink, A., Hunsader, P., Owens, D. K., Chertow, G. M., Parsonnet, J., Block, G.  
2023

- **Early detection of ICU-acquired infections using high-frequency electronic health record data.** *BMC medical informatics and decision making*  
Varkila, M. R., Lancia, G., van Smeden, M., Bonten, M. J., Spitoni, C., Cremer, O. L.  
2025; 25 (1): 273
- **Vaccination Strategies in Patients Receiving Dialysis: Should We Watch the Clock?**  
Subramanian, N., Yu Xue, Varkila, M., Block, G. A., Parsonnet, J., Chertow, G. M., Anand, S., Montez-Rath, M. E.  
AMER SOC NEPHROLOGY.2024
- **Trends in Dialysis Facility Access in the United States from 2018-2023 and Association with Area Socioeconomic Disadvantage**  
Varkila, M., Montez-Rath, M. E., Yu Xue, Subramanian, N., Chertow, G. M., Parsonnet, J., Anand, S.  
AMER SOC NEPHROLOGY.2024
- **Glycan-specific IgM is critical for human immunity to Staphylococcus aureus.** *Cell reports. Medicine*  
Hendriks, A., Kerkman, P. F., Varkila, M. R., Haitisma Mulier, J. L., Ali, S., Ten Doesschate, T., van der Vaart, T. W., de Haas, C. J., Aerts, P. C., Cremer, O. L., Bonten, M. J., Nizet, V., Liu, et al  
2024; 5 (9): 101734
- **Two-step interpretable modeling of ICU-AIs** *ARTIFICIAL INTELLIGENCE IN MEDICINE*  
Lancia, G., Varkila, M. J., Cremer, O. L., Spitoni, C.  
2024; 151: 102862
- **Gut barrier dysfunction and the risk of ICU-acquired bacteremia- a case-control study.** *Annals of intensive care*  
Varkila, M. R., Verboom, D. M., Derde, L. P., van der Poll, T., Bonten, M. J., Cremer, O. L.  
2024; 14 (1): 42
- **Observations of Respiratory Syncytial Virus (RSV) Nucleic Acids in Wastewater Solids Across the United States in the 2022-2023 Season: Relationships with RSV Infection Positivity and Hospitalization Rates** *ACS ES&T WATER*  
Zulli, A., Varkila, M. R. J., Parsonnet, J., Wolfe, M. K., Boehm, A. B.  
2024
- **Use of wastewater metrics to track COVID-19 in the U.S.: a national time-series analysis over the first three quarters of 2022.** *medRxiv : the preprint server for health sciences*  
Varkila, M., Montez-Rath, M., Salomon, J., Yu, X., Block, G., Owens, D. K., Chertow, G. M., Parsonnet, J., Anand, S.  
2023
- **Transportability and Implementation Challenges of Early Warning Scores for Septic Shock in the ICU: A Perspective on the TREWScore** *FRONTIERS IN MEDICINE*  
Niemantsverdriet, M. S. A., Varkila, M. R. J., Vromen-Wijsman, J. L. P., Hoefler, I. E., Bellomo, D., van Vliet, M. H., van Solinge, W. W., Cremer, O. L., Haitjema, S.  
2022; 8: 793815
- **Human plasma IgG1 repertoires are simple, unique, and dynamic.** *Cell systems*  
Bondt, A., Hoek, M., Tamara, S., de Graaf, B., Peng, W., Schulte, D., van Rijswijk, D. M., den Boer, M. A., Greisch, J. F., Varkila, M. R., Snijder, J., Cremer, O. L., Bonten, et al  
2021; 12 (12): 1131-1143.e5
- **Mortality review as a tool to assess the contribution of healthcare-associated infections to death: results of a multicentre validity and reproducibility study, 11 European Union countries, 2017 to 2018.** *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*  
van der Kooi, T., Lepape, A., Astagneau, P., Suetens, C., Nicolaie, M. A., de Greeff, S., Lozoraitiene, I., Czepiel, J., Patyi, M., Plachouras, D.  
2021; 26 (23)
- **Persistent Lymphocytopenia Does Not Increase Nosocomial Infection Risk in the ICU.** *American journal of respiratory and critical care medicine*  
Varkila, M. R., Marrec, L., Daix, T., Hoefler, I. E., Haitjema, S., Bonten, M. J., Cremer, O. L.  
2021; 203 (7): 913-916

- **O-serotype distribution of Escherichia coli bloodstream infection isolates in critically ill patients in The Netherlands.** *Vaccine*  
Verboom, D. M., Varkila, M. R., Morrow, B., Davies, T., Ibarra de Palacios, P., Poolman, J., Hermans, P. W., Dudley, E. G., Roberts, E., Cremer, O. L., Bonten, M. J.  
2021; 39 (12): 1670-1674
- **Glycoproteoform Profiles of Individual Patients' Plasma Alpha-1-Antichymotrypsin are Unique and Extensively Remodeled Following a Septic Episode.** *Frontiers in immunology*  
Čaval, T., Lin, Y. H., Varkila, M., Reiding, K. R., Bonten, M. J., Cremer, O. L., Franc, V., Heck, A. J.  
2020; 11: 608466
- **Adverse prognosis of glioblastoma contacting the subventricular zone: Biological correlates.** *PloS one*  
Berendsen, S., van Bodegraven, E., Seute, T., Spliet, W. G., Geurts, M., Hendrikse, J., Schoysman, L., Huiszoon, W. B., Varkila, M., Rouss, S., Bell, E. H., Kroonen, J., Chakravarti, et al  
2019; 14 (10): e0222717
- **Moderate positive predictive value of a multiplex real-time PCR on whole blood for pathogen detection in critically ill patients with sepsis.** *European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology*  
van de Groep, K., Bos, M. P., Varkila, M. R., Savelkoul, P. H., Ong, D. S., Derde, L. P., Juffermans, N. P., van der Poll, T., Bonten, M. J., Cremer, O. L.  
2019; 38 (10): 1829-1836
- **Profile of the SeptiCyte™ LAB gene expression assay to diagnose infection in critically ill patients.** *Expert review of molecular diagnostics*  
Verboom, D. M., Koster-Brouwer, M. E., Varkila, M. R., Bonten, M. J., Cremer, O. L.  
2019; 19 (2): 95-108
- **The association between HIV infection and pulmonary function in a rural African population.** *PloS one*  
Varkila, M. R., Vos, A. G., Barth, R. E., Tempelman, H. A., Devillé, W. L., Coutinho, R. A., Grobbee, D. E., Klipstein-Grobusch, K.  
2019; 14 (1): e0210573
- **Is research from databases reliable? Not sure.** *Intensive care medicine*  
Varkila, M. R., Cremer, O. L.  
2019; 45 (1): 122-124
- **Prognostic relevance of epilepsy at presentation in glioblastoma patients.** *Neuro-oncology*  
Berendsen, S., Varkila, M., Kroonen, J., Seute, T., Snijders, T. J., Kauw, F., Spliet, W. G., Willems, M., Poulet, C., Broekman, M. L., Bours, V., Robe, P. A.  
2016; 18 (5): 700-6