**Background**

Dr. Mohamed I. Elsaid is an epidemiologist and biostatistician with extensive training and experience in population medicine research and causal inference methods. Dr. Elsaid have designed and conducted several population-based observational studies on comparative treatment effectiveness, racial health disparities, health economics and outcomes research. He has extensive experience using big data and developing comprehensive statistical analyses for data manipulation, management, and analysis. Dr. Elsaid’s research seeks to identify modifiable determinants of chronic liver disease morbidity and mortality to advance our understanding of disease causes and develop prevention and early detection strategies to mitigate the public health and economic burdens of disease.

**Education**

Postdoctoral**,**Biomedical Informatics, The Ohio State University, 2021
Ph.D., Biostatistics and Epidemiology, Rutgers, The State University of New, 2020
MPH, Environmental Health Science, New York Medical College, 2014
ALM, Sustainable Development, Harvard University, 2013

**Research Interests**

* Comparative effectiveness research
* Dynamic treatment regimes
* Statistical methods for assessing bias in observational studies
* Application of machine learning methods in causal inference research

**Selected Publications**

1. Rustgi, V.K., Li, Y., Gupta, K., Minacapelli, C.D., Bhurwal, A., Catalano, C. and Elsaid, MI, 2021. Bariatric surgery reduces cancer risk in adults with nonalcoholic fatty liver disease and severe obesity. *Gastroenterology*, *161*(1), pp.171-184.
2. Elsaid, MI, Li, Y., John, T., Narayanan, N., Catalano, C. and Rustgi, V.K., 2020. Economic and Health Care Burdens of Hepatitis Delta: A Study of Commercially Insured Adults in the United States. *Hepatology*, *72*(2), pp.399-411.
3. Narayanan, N., Elsaid, MI, NeMoyer, R.E., Trivedi, N., Zeb, U. and Rustgi, V.K., 2019. Disparities in hepatitis A virus (HAV) vaccination coverage among adult travelers to intermediate or high-risk countries: The role of birthplace and race/ethnicity. *Vaccine*, *37*(30), pp.4111-4117.
4. Elsaid MI, Rustgi VK. Epidemiology of Hepatic Encephalopathy. *Clinics in Liver Disease.*2020;24(2):157-174.