Recent advances in data visualization support enhanced opportunities to identify and present actionable insights in an efficient manner. The use of artificial intelligence (AI) to inform clinical decision making or resource allocation decisions has not been without controversy. Concerns remain regarding the role of black box decisions, embedded assumptions, and unintended consequences of applying AI methods to support decisions for diverse populations. Data visualization techniques could help address concerns about the use of AI in healthcare decision making.

This Call for Abstracts arose out of a desire to determine whether advances in data visualization can be leveraged to better understand and assess the value of health technologies to support clinical or payer decision making. The health technologies of interest include drugs, devices, clinical decision support tools, and other interventions intended to treat disease. Manuscripts should discuss how the data visualizations contributed to drawing conclusions based on the application of AI methods.

The Editors are interested in papers with underlying research questions that are meaningful to stakeholders including patients, families, healthcare providers, or payers. We invite papers that address any of the following topics as they apply to studying the comparative effectiveness and cost-effectiveness of health technologies:

- Data visualization techniques to enhance actionable insights for health technology assessment or cost-effectiveness analyses
- Beyond the average: versatility of displaying data to understand the target population and patient-level heterogeneity
- Graphical presentations of social determinants of health and methods to assess health equity
- Value of clinical decision support tools and associated interventions
- Measures: reliability and validity of inputs
- Provider, institutional, or geographic factors in value assessment
- Visualization to enhance transparency of AI-based methods

Because we expect a broad response to this call, we plan to have a 2-stage selection process. First, we will consider abstracts, so that potential authors need not invest considerable time and effort on papers that we consider unlikely to be accepted. Authors may include 1 figure if it contributes directly to understanding the abstract. In this case, upload an image file (JPG or PNG) and include a caption at the end of the abstract text. The caption counts towards the word limit.

Authors interested in submitting an article for this themed section should submit a brief description (no more than 500 words) of their proposed study to the editors via our online portal at https://vihabstracts2.secure-platform.com/a/organizations/main/home by October 31, 2023. Second, authors invited to contribute a paper for this themed section should aim to submit a full manuscript by December 29, 2023.

Please direct any content-related questions to the Guest Editors, Michael Pencina, PhD (michael.pencina@duke.edu) and Eberechukwu Onukwugha, PhD (eonukwug@rx.umaryland.edu). All invited papers will undergo the journal's peer-review process before the Editors make final decisions about papers to be included in this themed section of Value in Health.