

Shannon Silkensen, PhD, is a Program Director at the National Cancer Institute (Center for Biomedical Informatics and Information Technology), where she leads real-world data and cancer data standardization initiatives. Her work in data standardization includes the development of USCDI+ Cancer data element sets and FHIR implementation guides for clinical trial matching and adverse event reporting. Additionally, she serves as a Program Leader for Data COUNTS, an NIH initiative that enables the collection and reuse of high-quality, real-world clinical data from health systems nationwide. Through Data COUNTS, she contributes to trans-NIH data interoperability efforts spanning NCI, NIAMS, NIDA, NIH-OD, and CDC. Lastly, she leads the Privacy Preserving Federated Learning Network, a consortium of NCI-designated Cancer Centers focused on AI-driven cancer research. Her research has been presented at AACR and AMIA.