Brief Bio and (PR)$^2$: Problems & Pitches – Rants & Raves by *Bill Barnett*

William Barnett is the Chief Research Informatics Officer (CRIO) for the Indiana Clinical and Translational Sciences Institute (CTSI) and the Regenstrief Institute. In that role, he has a dual integrated mission. First, to provide, integrate, and advance biomedical informatics services, including process-based services like the clinical trials, data management, and web portal services provided by the Indiana CTSI, and also to lead the research data and analytics services. Secondly, to provide informatics research leadership to develop and apply innovative informatics approaches to advancing healthcare research as a Regenstrief Investigator. He is also a Visiting Associate Research Professor in the Department of Medical and Molecular Genetics at the IU School of Medicine. Having recently come from the Research Technologies Division of the University Information Technology Services at Indiana University, Bill has extensive experience developing IT services for clinical and genomics research utilizing high performance cyberinfrastructures.

Bill is an Associate Director of the Center for Applied Cybersecurity Research. He is on the Steering Committee for the Association for American Medical Colleges (AAMC) Group on Information Resources (GIR). He currently lives in Bloomington Indiana. An old world prehistoric archaeologist by training, his archaeological research focuses on the emergence of pottery and the establishment of the first agricultural societies.

**Publications**


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**General Questions**

1) What are your main interests in attending the workshop?

To understand what visual analytic tools and strategies are being used and contemplated in order to advance healthcare research and practice

2) What challenges do you see in applying analytics and visualization to health care data for population health monitoring and management?

Data normalization and matching, the identification of meaningful data and how those data can be usefully and reliably interpreted.

3) Are you or your group working on any of these challenges? If yes, please explain.
4) How do you currently use healthcare data for population health monitoring and management?

I provide clinical research systems that support a broad array of research projects, including clinical trials, registries, surveys, biobanks, patient recruitment, and care integration with hospitals.

5) If the workshop could fulfill one wish that you have for using analytics and visualization of healthcare data for population health monitoring and management, what would it be?

A critical analysis of tools and their productive applications in the healthcare research space, and a better understanding of what tools can integrate heterogeneous data and those that can be used by domain scientists rather than informaticians.