

Paper 209-2008

Quality, Clinical Research, and Public Health: Opportunities for Secondary Use of EHR Information

Landen Bain, Topsail Technologies Inc.

ABSTRACT

The Electronic Health Record (EHR) is the primary point of data capture for patient care. But in addition to its primary purpose, EHRs can serve as data capture points for secondary uses such as quality measurement, public health, and clinical research. The obstacles to the secondary use of patient care data are many. Often, there are subtle differences in meaning between domains that do not appear until re-use is attempted. But despite the difficulties, some approaches have begun to bear fruit. There is still a long road ahead to the ultimate goal of computable semantic interoperability, but modest approaches are at work today. So how can this secondary use best be initiated, fostered, and brought to completion? This presentation will explore a range of approaches from data mining to forms-based data capture, and will survey current work:

- CDISC's healthcare link initiatives
- A white paper from Integrating the Healthcare Enterprise (IHE) that covers clinical research, quality, and public health uses of EHR data
- Two IHE integration profiles, QED and RFD, which enable secondary use today
- Demonstrations of data re-use at HIMSS 2007 and 2008
- AMIA's committee of secondary use of EHR data

No paper was submitted for publication.

CONTACT INFORMATION

Landen Bain
Topsail Technologies Inc.
lbain@cdisc.org

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration.

Other brand and product names are trademarks of their respective companies.