



Computational Science Symposium

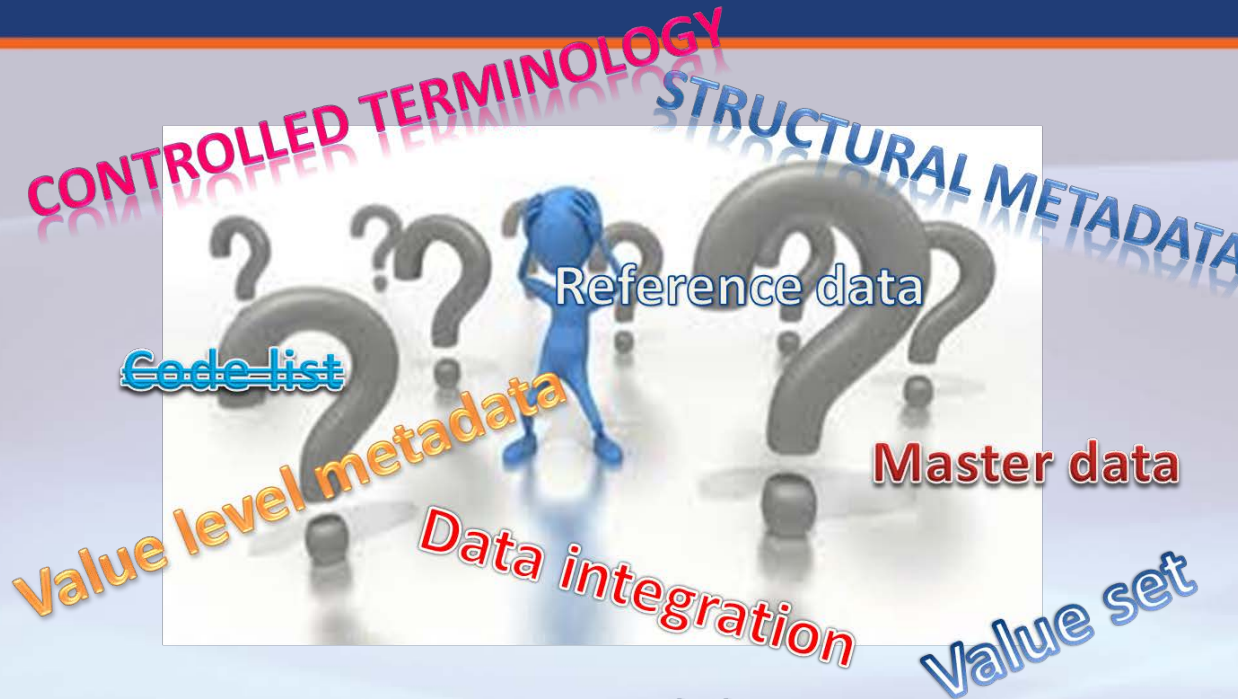
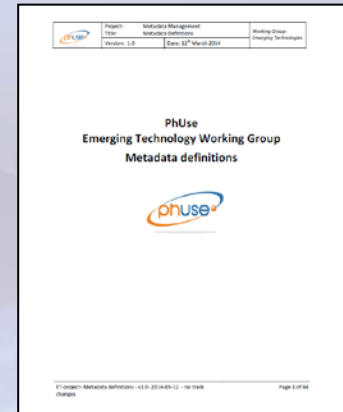
March 16th - 18th 2014

Silver Spring Civic Center | Silver Spring, Maryland, USA



Emerging Technologies

Working Group Update



Semantic interoperability
Leader: Isabelle deZegher

- No formal meeting
- Finalize document through TC – **Available Apr2014**



ST: Representing PRM/SDM.xml in RDF



Leader: Geoff Low

- Review the current draft model
- Discuss modeling of study parameters/parameter groups, study activities and planned activities
- Discuss next steps for the RDF model
 - Do not want it to become another “under-used” representation of structured protocol content



ST: Analysis Results Metadata



Co-Leads: Ian Fleming, Marc Andersen

- Introduce team and concept to the broader community
- Developed draft metadata for count and summary statistic analysis procedures
- Identified central tendency, t-test, ANOVA as next analyses to develop
- Identified strategy for researching publically available existing models
- Identified alignment needs with the define.xml team and standard scripts repository white paper team



ST: keyCRF



Leader: Landen Bain, Gokce B. Laleci Erturkmen

Areas to be Developed:

- Overall process update (including programming, SDV, query management, audit ...)
- Mapping CDASH / CCD (CDISC / HL7...probably not PhUSE)
- Functionalities/ UI for managing change of CCD Xpath mapping based on context
- Benefit case - value of CCD integration in EDC
- Archives definition

Next Steps:

- CDASH/CCD mapping
 - Confirm with CDISC possibility to work on mapping
 - Draft mapping for a few limited domains
- Define project and what can be done in PhUSE without funding
- Pilot



Lowering the Barrier to Cloud Adoption



Leader: Tony Hewer

- Enthusiasm about what we've come up with in our first draft
- Analytics done in the cloud
 - Ways of working
 - Additional (technical and procedural) controls around data access
 - → Cloud is facilitating "freer" access → roles and rules
 - App architecture – leverage cloud elasticity → increased *validation* → think about deployment
- Cloud is enabling wider aspects of "consent" → use of data → privacy rules by nation/state
- Overwhelming scope???
- Audits/due-diligence - Ubiquity!!!
- Physical location(s) of IaaS
- We had deliberately avoided getting into s/w dev and DevOps → ??
- FAQs section → future editions
- Cloud is a great leveller – apps, data availability, ease of use
- IP – pre-clinical