Working Group 2: Computing, Data & Storage Infrastructures

There is already much collaboration across BD2K grantees in California, but there's opportunity for more
- metadata generation/management a common theme across centers

Many centers using Amazon cloud resources
- concerns and questions about billing/cost/payment issues
- monopoly concerns from NIH

Many centers also have campus clusters available
- HIPPA compliant-clusters not as available

Working Group 2 Wish List and Worries

HIPPA-compliant cluster resources
Authentication and access methods
    precision medicine's push towards a "Single IRB mechanism"
What happens if effort is successful - AWS costs scale and use up NIH grant award money...

Working Group 2 Notable omissions

No one mentioned wide area data speed limitations
  Data transfer chokepoint is hard drive to compute, not intra-center transfers
No one discussed high performance computing
  more conversation of web interfaces and availability than compute-intensive analysis tasks
financial/infrastructure model questions were discussed more than terabyte-scale compute
  problems (want small compute on data that's over there)