U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Cancer Informatics Program (NCIP) Briefing to the 1st Joint NCAB/BSA Meeting

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NCIP and the NCI Center for Biomedical Informatics and Information Technology (CBIIT)

- Activities encompassed within NCIP
 - Interoperability and data access technology to support advanced biomedical research/care
 - Biomedical informatics research and development
 - In silico research
 - Informatics education and training
- Other activities of CBIIT
 - Operational support for biomedical informatics
 - Full life-cycle support for business operations at the NCI
 - Provision of standard commoditized IT support
 - Coordination of NCI IT investments



Launch Meeting of NCIP

- Launch meeting took place at the Natcher Conference Center on 31 May 2012
- 49 invitees on site that represented a broad range of expertise in genomics, clinical and translational research and informatics
- Between 250 and 300 people on the phone at most times
- NCI Director Harold Varmus charged us to come to a consensus on the IT needs of the NCI supported cancer research community
- Meeting materials posted at: <u>http://ncip.nci.nih.gov</u>





Structure of Meeting

- Session 1: Genomics
 - Andrea Califano Columbia
 - Chris Sander Memorial Sloan-Kettering
 - Barbara Wold Caltech/NCI
 - Kevin White University of Chicago
- Session 2: Clinical and Translational Sciences
 - Amy Abernethy Duke
 - William Dalton Moffitt
 - Mia Levy Vanderbilt
 - Joel Saltz Emory
- Session 3: Standards
 - Rebecca Kush CDISC
 - Stan Huff Intermountain Health Care
 - Philip Payne Ohio State University
 - Chris Chute Mayo Clinic



Key Drivers of a National Cancer Informatics Program

- Aligned with the mission and vision of the NCI and driven by needs of the cancer research and care community
- Embedded in all key programs and activities of the NCI
- Just enough governance
- Open and transparent
- Accountable
- Integrated with other informatics initiatives
- Sustainable



Implementing Activities in NCIP

- NCIP projects will begin as direct support for scientific initiatives
- Where successful and needed, pilot projects may be hardened/generalized for wider distribution
- NCIP informatics projects will be integrated into the scientific projects that they support
- Success of NCIP projects will be determined by success of the scientific initiative



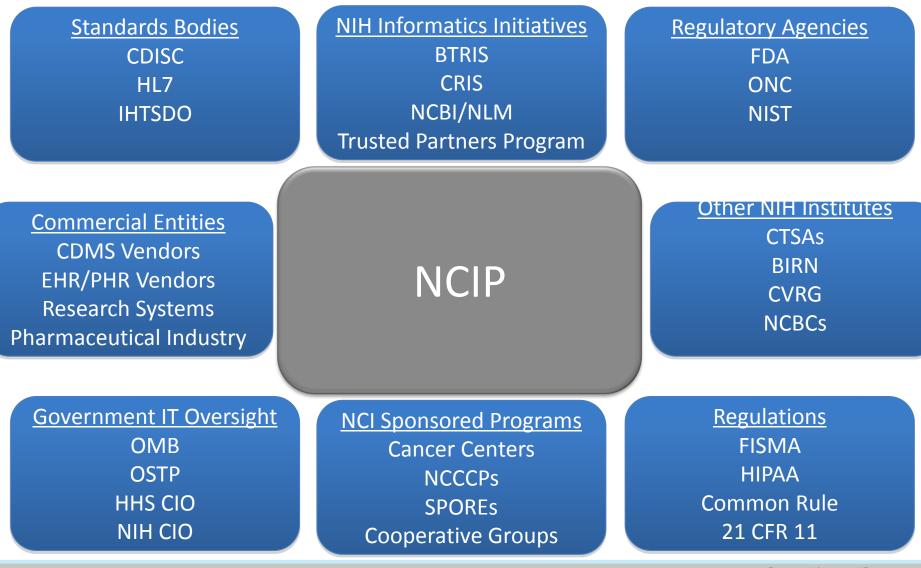
Moving forward with NCIP

- Working groups will be constituted to continue the discussion of needs and possible projects
- Initial focus areas identified during discussions
 - Access and computing on large scale genomics data
 - Support for precision medicine pilots
 - Integration of informatics into core programs
- Still need to provide core biomedical informatics capabilities to ongoing NCI research initiatives





The Broader Informatics Landscape



National Cancer Informatics Program

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Discussion/Feedback

