



NIMH Workshop: Harmonize This!
Hilton Hawaiian Village, OHBM
Satellite meeting

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National Database for Autism Research (NDAR)

- Joint initiative supported by NIMH, NICHD, NINDS, and NIEHS
 - Federal data repository
 - Contains human subjects data related to autism (and control subjects)
 - Data are available to the research community
 - Summary data are available to anyone via internet
- Initiated in late 2006, first data uploaded in 2008
- Data types include demographic, clinical assessments, imaging, and –omics data
- Data currently available from over 80,000 subjects
- ~500TB of imaging and –omics data are securely stored in the cloud

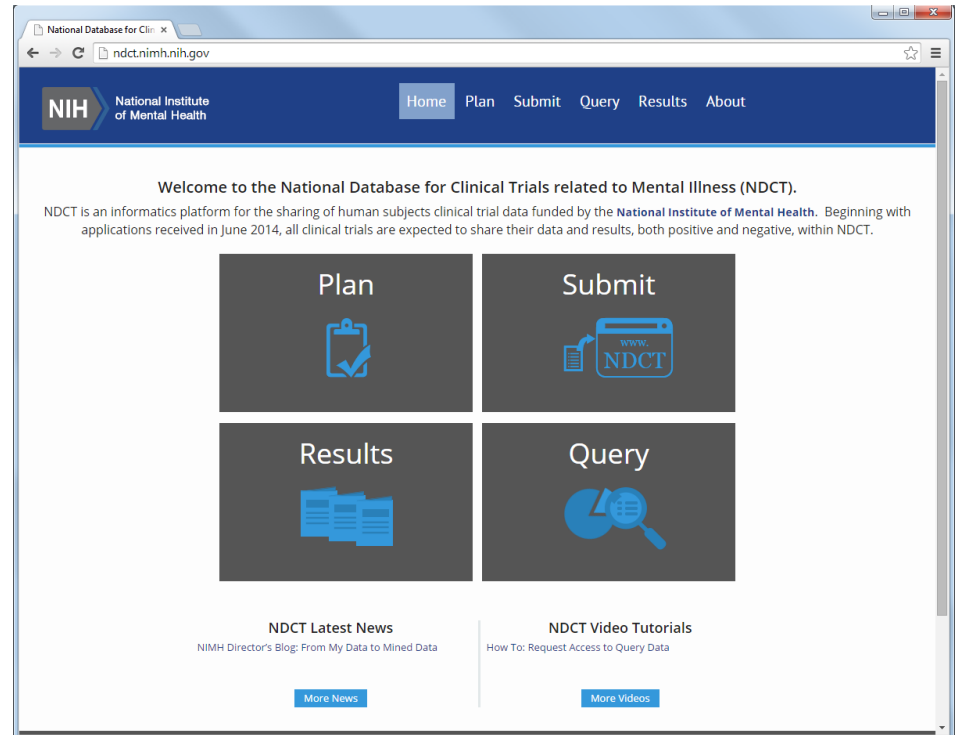
NIMH Data Archive

NIMH recently expanded NDAR to include:

- 1) Data from Clinical Trials (NOT-MH-14-005)
- 2) Data related to the Research Domain Criteria (RDoC) initiative

Both databases now exist and data are currently being uploaded.

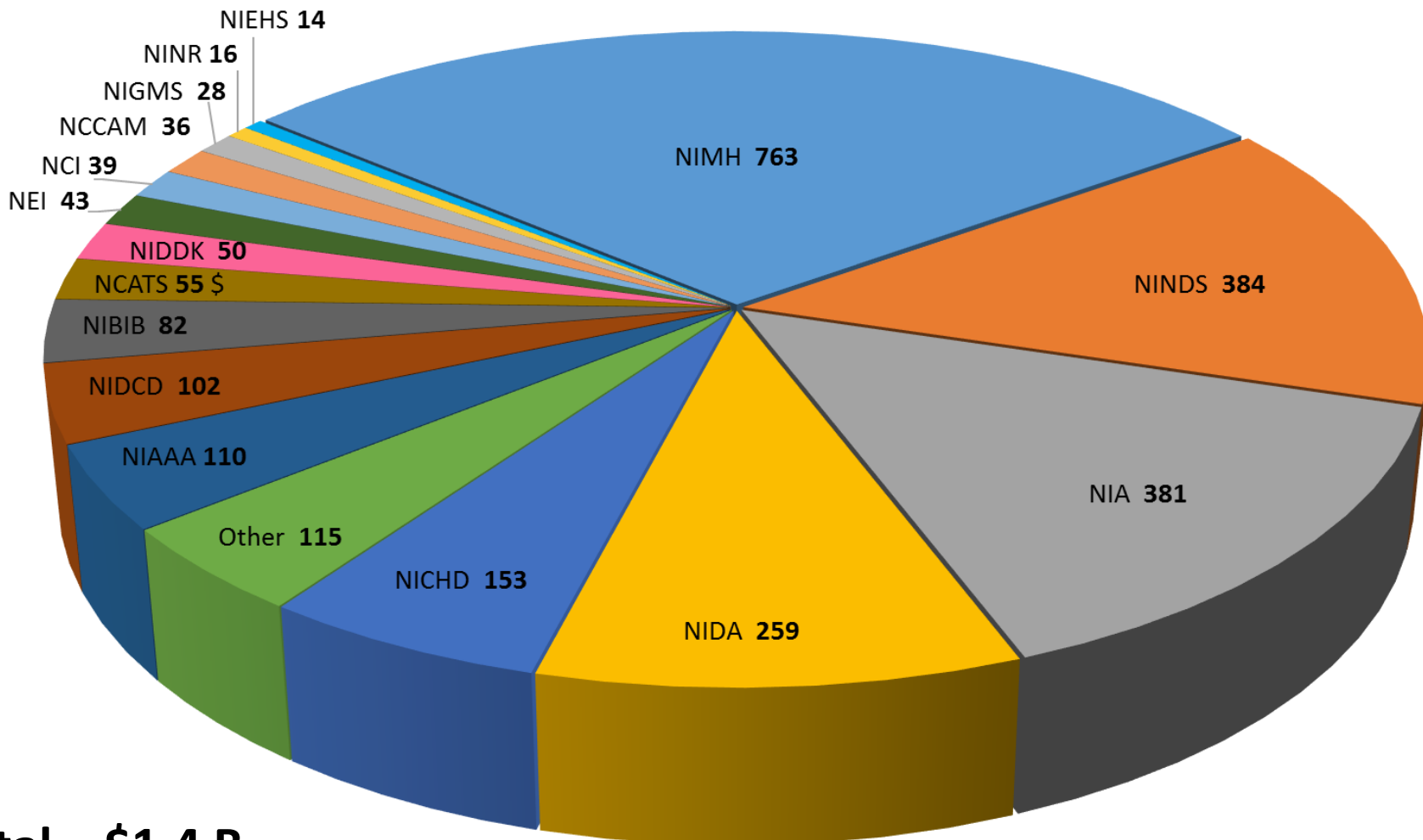
The database platform is shared with NDAR allowing queries across all three collections.



The screenshot shows the homepage of the National Database for Clinical Trials (NDCT) website. The browser address bar displays "ndct.nih.gov". The page features a dark blue header with the NIH logo and navigation links: Home, Plan, Submit, Query, Results, and About. Below the header, a welcome message reads: "Welcome to the National Database for Clinical Trials related to Mental Illness (NDCT). NDCT is an informatics platform for the sharing of human subjects clinical trial data funded by the National Institute of Mental Health. Beginning with applications received in June 2014, all clinical trials are expected to share their data and results, both positive and negative, within NDCT." The main content area is divided into four large, dark blue buttons with white text and icons: "Plan" (with a clipboard icon), "Submit" (with a document icon), "Results" (with a document icon), and "Query" (with a magnifying glass icon). At the bottom, there are two sections: "NDCT Latest News" with a link to "More News" and "NDCT Video Tutorials" with a link to "More Videos".

Blueprint Neuroimaging-Related Funded Grants

(NIH RePORTER: Administering IC, # of Type 1 & 2 grants)



Total = \$1.4 B

Need for Harmonization principles to maximize NIH investment

- **What are the barriers and limitations?**
- **Is harmonization even possible?**
- **Will bioinformatic tools be developed to compensate for heterogeneity of data types and sources?**
- **Should standards be imposed?**
- **How to motivate imaging community to develop standards?**
- **What is the optimal mix of bottom-up and top-down approaches to facilitate maximum benefit from the data collected with NIH support?**