

Evaluating INBRE Across the Nation: A look at what works and what challenges exist

**2011 INBRE PI/PC Meeting
October 4, 2011**

Intentions for today

- Share evaluation experiences and expertise
- Plan for NISBRE 2012 evaluation workshop
 - Send questions and ideas to cma@udel.edu

The short term

- Increase communication & collaboration

Long term possibilities

- Work toward establishing an evaluation network
- Make recommendations to NCRR

Balancing imperatives: Robust, useful, and mandated evaluation

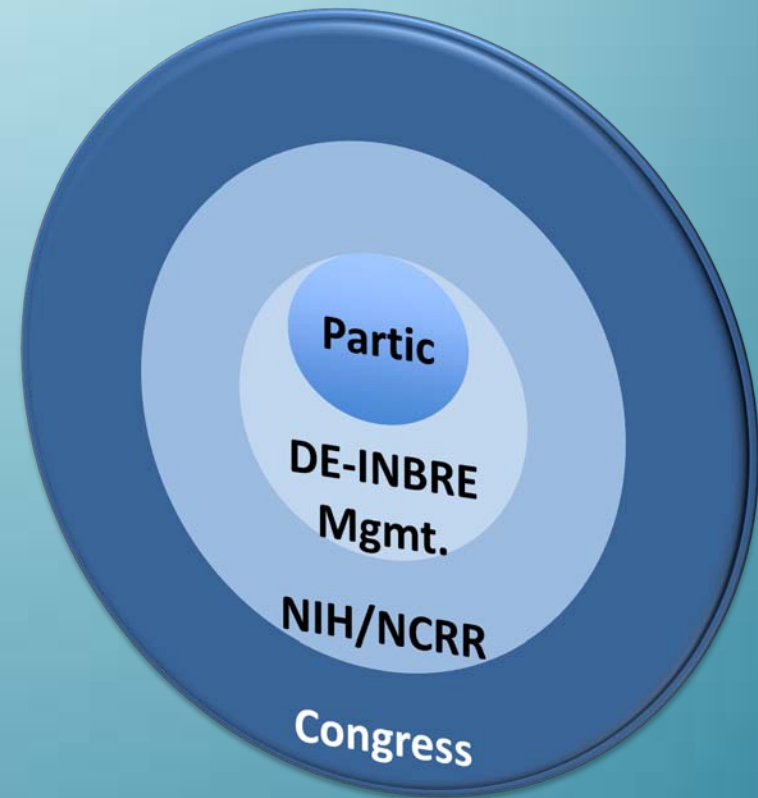
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University of Delaware

NIH/NCRR – 2P20640172-11

- Alignment of methods with program goals
- Systematic collection of reliable and valid data
- Triangulation of data, methods, and sources
- Reduction of counterfactuals
- Adherence to professional standards
- Responsive to stakeholder needs

The **BIG** question about utility:

Useful to who and
for what purpose?



- Mandated evaluation components
 - Internal evaluation - ongoing
 - EAC - twice yearly
 - External review - semi-annually
 - APR – annually

Evaluation challenge:

How does a project meet all evaluation requirements, and make them as robust and useful as possible, within all practical constraints?

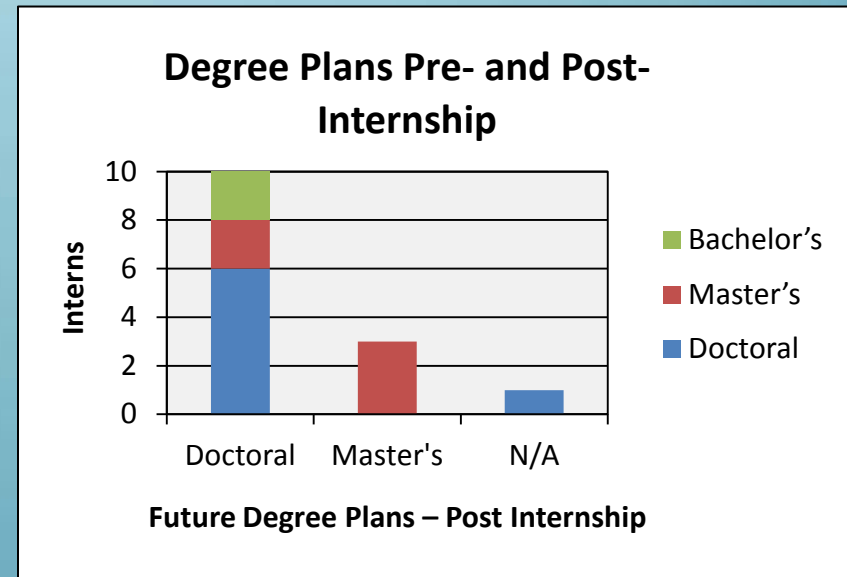
Undergraduate Research Core

- 10 week mentored research experience
- Enrichment activities
- Poster presentations

Evaluation

- Survey methodology
- National Student Clearinghouse

- Baseline, summative, & follow-up
- Quantitative & qualitative
- Data gathered
 - Demographics
 - Skill development
 - Experiences
 - Future plans
 - Suggestions



Robustness

- Item development
- Systematic collection & analysis

Utility

- Program modifications & evidence of success

Mandated

- Elective INBRE Core: number of students involved

Challenges

- Moving beyond self-report (eg. actual skill development)
- Meaningful comparisons
- Longitudinal evaluation

“I am definitely considering an MD-PhD, rather than just an MD. I realize I like to do research, and this will help me improve the quality of treatment and care that I can give my patients.”

- National Student Clearinghouse Student Tracker
 - Student-level university enrollment & degree completion
 - 3655 institutions subscribe
 - Partner institutions make requests for their own students

Robustness

- Most complete source of data

Utility

- Evidence of progress

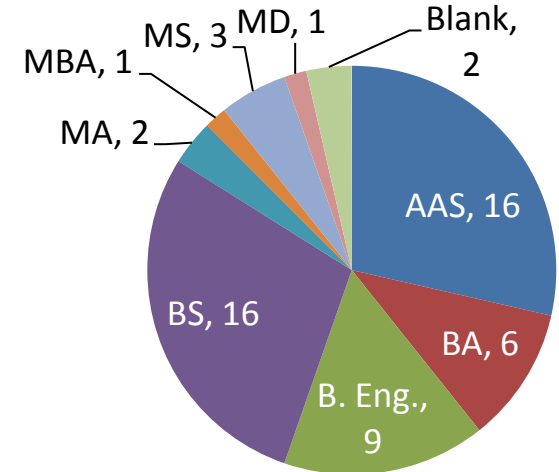
Mandated

- Data that is closer to the workforce

Challenges

- Missing Associates degrees and some institutions
- Meaningful comparisons
- Career outcomes - finding former interns

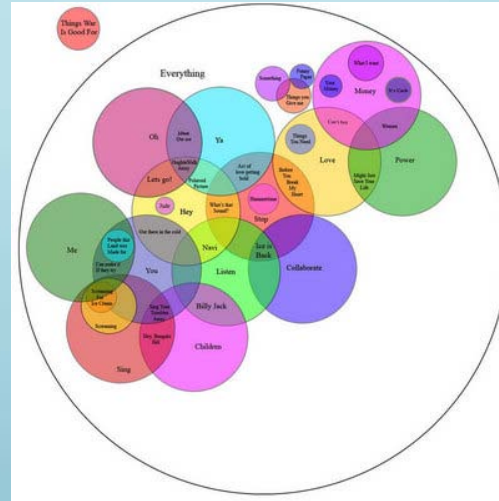
2002-2006 Intern Completed Degrees (UD & DTCC)



Adhere to
rigorous
standards



Explore options & be
cognizant of reality



Maintain
ongoing
communication
with
stakeholders

