The National Institutes of Health The NLM Strategic Plan

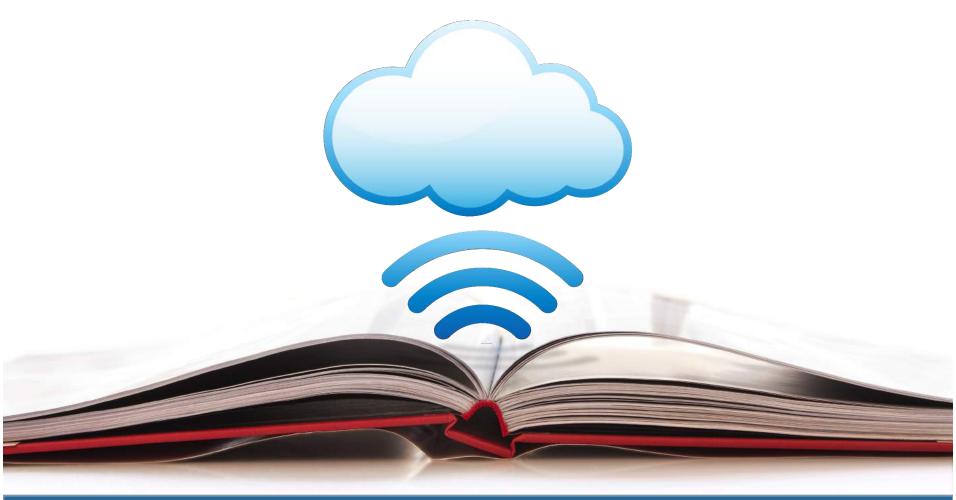
Leadership in Science Policy Institute
November 7, 2017

Patricia Flatley Brennan, RN, PhD

Director, National Library of Medicine
Interim NIH Associate Director for Data Science

National Institutes of Health

- 27 Institutes and Centers
- \$35B per year; 80% distributed to the extramural community
 - NLM is different!
- Priorities:
 - Translating discovery into health
 - Addressing the country's critical health concerns



NLM by the numbers

•	FY17 expenditures\$4	06,604M
•	Employees	1700
	– NCBI	700
•	PubMed daily visits	4M
•	Molecular, clinical & specialized data users per da	ay0.5M
•	National Network of Libraries of Medicine	6500
•	RxNORM calls per minute	>1000
•	University training programs (T15 & T32)	30
•	Environmental Disaster Responses in 2017	6







A service of the U.S. National Institutes of Health

















NCBI

Haz-Map @NIH

















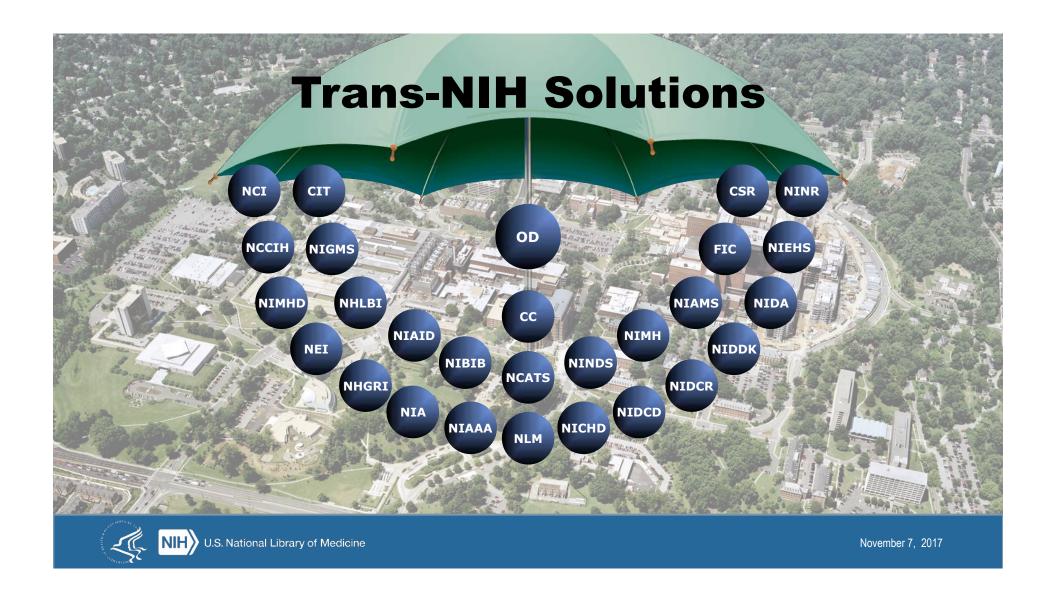
















Transforming Information into Discovery



NLM as a platform for biomedical discovery & data-powered health



Effective dissemination of information across a broad range of users



A workforce prepared to advance data-driven discovery & health

















Do for data what we've done for the literature.



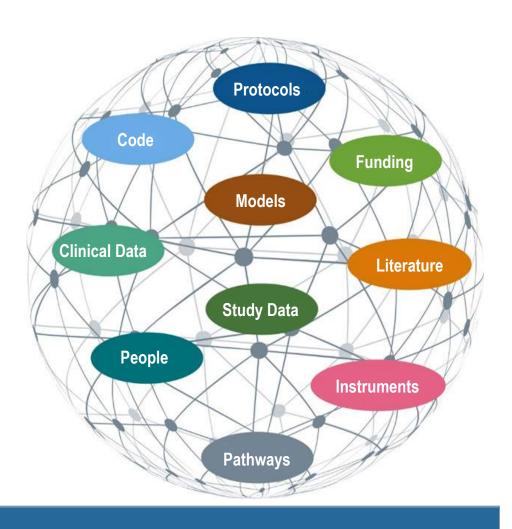




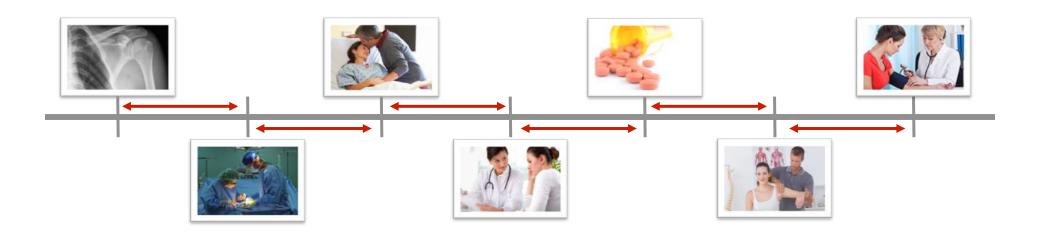




Fostering a sphere of discovery digital research objects



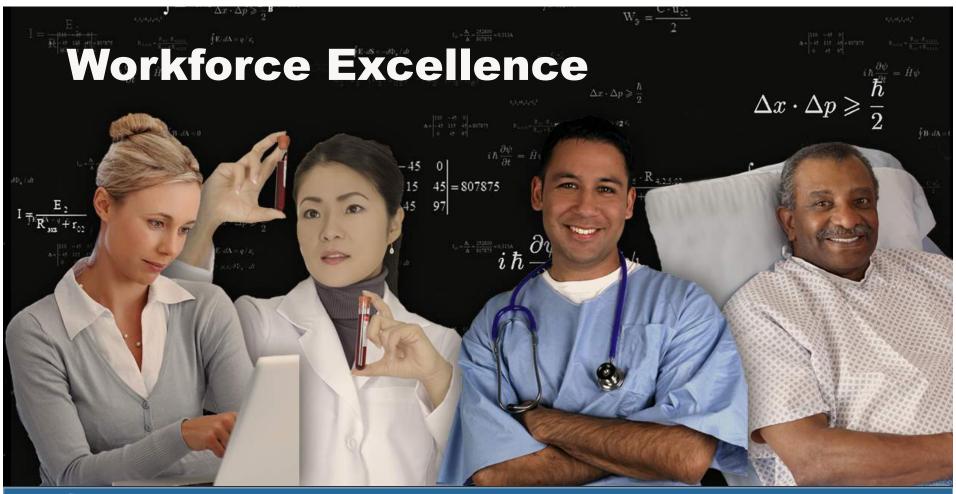
The Care Between the Care



Go where the care happens.



Data-powered health will require new approaches to NLM-delivered information







NIH Measures of Success

- Discovery
- Impact
 - P productivity Relative Citation Ratio
 - -Q quality
 - R reproducibility
 - -S-sharing
 - T translation -- Patents



The NIH Budget Process

 Annual budget, established by congress October FY18
Congressional Justification Submitted

- A tale of many budgets:
 - President's
 - House Appropriations Committee
 - Senate Health, Education,
 Labor & Pension
- Continuing Resolutions

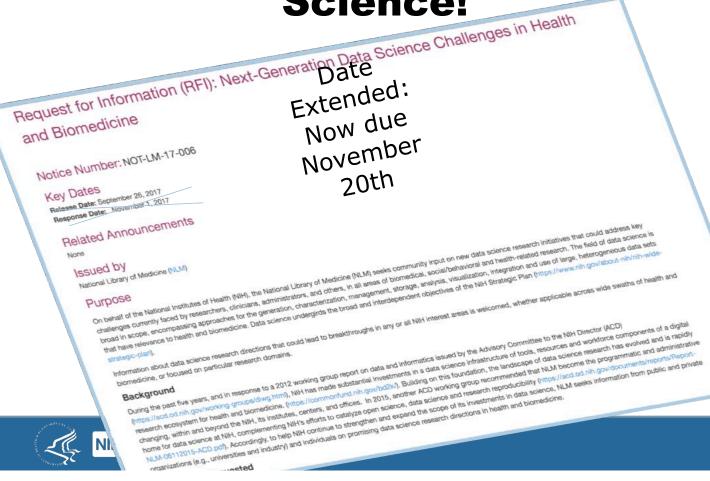
Hearings, Testimony, Reconciliation

FY 19 Appropriation

Science Engagement with NIH

- Opportunities for scientists to advise and engage federal science agencies
 - IPA
 - Memoranda of Understanding
 - Office of Science Policy, Office of Legislative Affairs
- To what extent is outside advice sought and in support of what kinds of activities?
 - 38,000 Special Government Employees
 - FACA
- What kinds of advice and modes of engagement are unlikely to be effective?

Help Shape the Future of Data Science!



RFI Next Gen Data Science

bit.ly/**2yHeieT**

Questions & Discussion

Reaching me







