The National Institutes of Health
The NLM Strategic Plan

Leadership in Science Policy Institute
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• 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: $406,604M
- Employees: 1700
  - NCBI: 700
- PubMed daily visits: 4M
- Molecular, clinical & specialized data users per day: 0.5M
- National Network of Libraries of Medicine: 6500
- RxNORM calls per minute: >1000
- University training programs (T15 & T32): 30
- Environmental Disaster Responses in 2017: 6
NLM Strategic Plan
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.
Health Care
Seamless linking of clinical and research data
Serving the 21st-Century User
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
Workforce Excellence
Training

- Re-imagine university-based data science training
- Increase intramural data science capacity
- Foster data-savvy clinicians and librarians
New Initiatives,
Budget, Impact and Influence:
Balancing IC-Specific and Trans-NIH
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
• A tale of many budgets:
  – President’s
  – House Appropriations Committee
  – Senate Health, Education, Labor & Pension
• Continuing Resolutions

October FY18
Congressional Justification Submitted

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!

Date
Extended: Now due November 20th

RFI Next Gen Data Science
bit.ly/2yHeieT
Questions & Discussion
Reaching me

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