

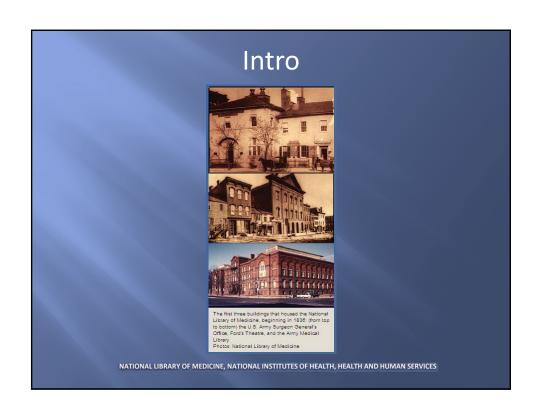


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August 2, 2012

NATIONAL LIBRARY OF MEDICINE, NATIONAL INSTITUTES OF HEALTH, HEALTH AND HUMAN SERVICES

# Agenda

- NLM Overview
- Customer Service/Question Types
- Resources





# Sampling of Employee Backgrounds

- Library & Information Science
- Medicine
- Computer Science
- Bioinformatics
- Information Technology
- Mathematics
- Engineering



- Linguistics
- Toxicology
- History
- Liberal Arts

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### Who Uses Us

- Researchers/scientists
- Health professionals
- Librarians
- Students
- Teachers
- Historians
- Public
- Millions of users from around the world each
   day national library of medicine, national institutes of health, health and human services.



# Examples of Research & Development

- Personal health record
- Disaster management info & communication
- Tools to study genes and their role in disease
- The Visible Human Project

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# What makes us different from many biomedical reference services?

- Large volume (FY11)
  - Over 93,000 questions
- Answering questions regarding our own products and services
- Supporting those products and services
- Feedback into product improvement
- Diverse and international customers
- Many first-time, one-time customers asking repetitive questions

## Reference and Customer Service

#### 1st level - Contract Staff

- First line defense for customer service
- 15 minute limit
- Telephone & e-mail
- Handle 76% of all questions from offsite
- Refer others to reference staff

#### 2<sup>nd</sup> level - Reference Staff

- Provide expert service
- Create & modify tools
- Reference questions from NLM staff
- Special projects

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## Questions!

I would like to find the longest surviving renal transplant patient. I am aware of a patient transplanted in April 1971 and would like to know if any are known to have survived longer, urology.

Would you please help me find a list of all allowed CC/MCC Complication comorbidities and major CC's. I've found the list of DRGs, just not the list of cc/mccs.

# All kinds of questions!

Can I sell my body after I die

If a person has one testicle will he get one baby girl

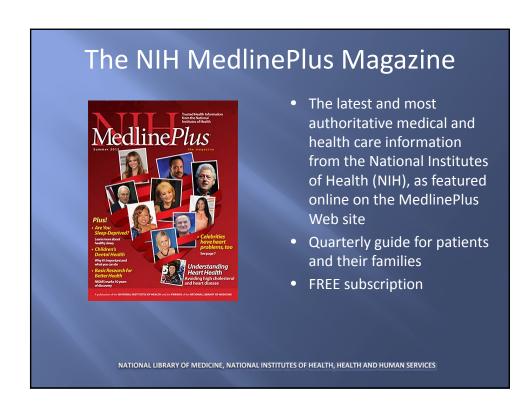
I am a paramedic student in Toronto, Ontario Canada. Part of my rotation was spent in the ICU and CCU. I noticed that most of the nurses carried a little red book with them as a reference book. Could you please tell me the name of this reference book, how much it costs, and where I might buy a copy of it?

The brid is middle-aged, newly wed and is about to lose her groom. She had no history of snoring prior to being married. She has tried "everything" including surgery. Could she be allergic to her husband? Could this be psychological because she married for convenience?



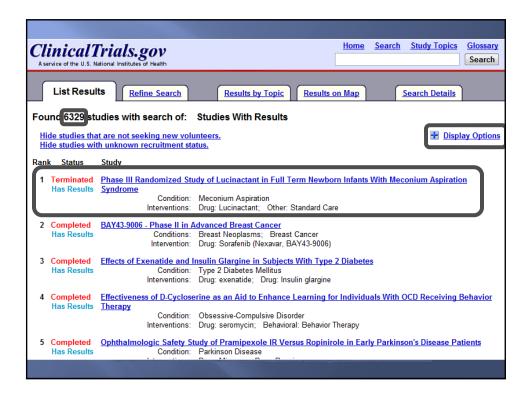


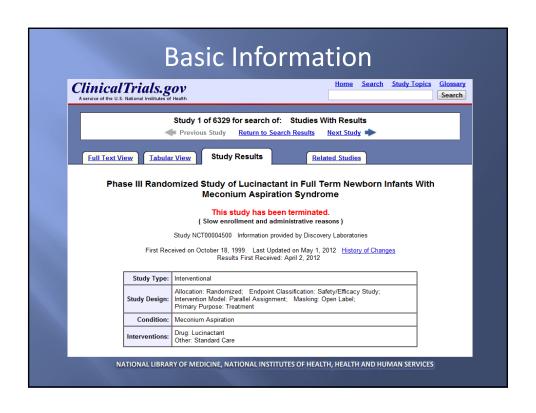


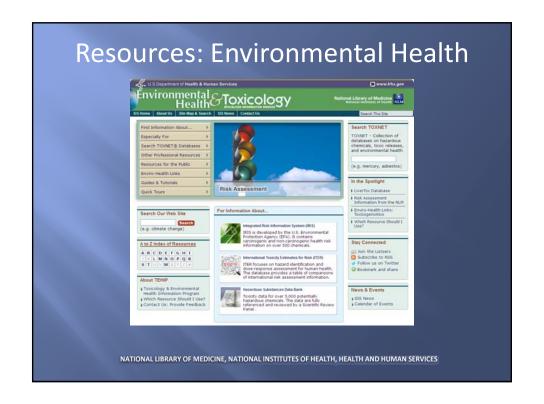






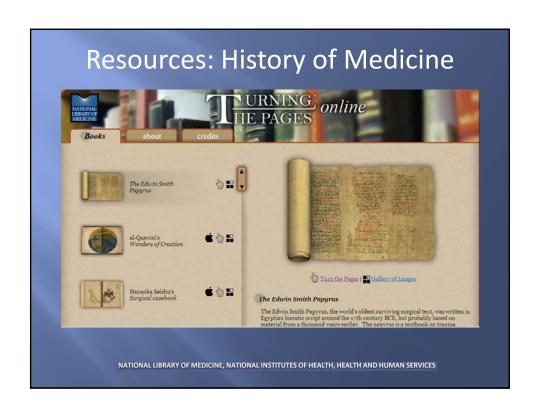


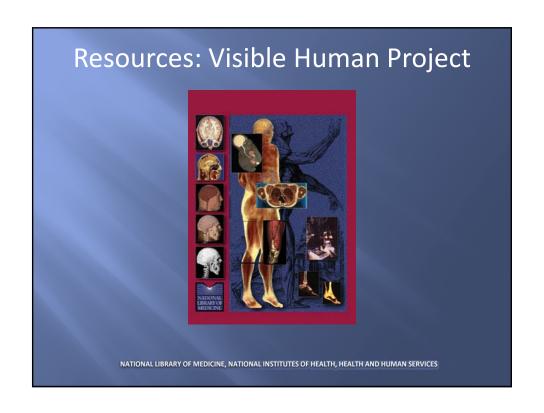












# Resources: Mobile Apps and Sites | Figure 1802 | Figure 1802 | Figure 1803 | Figure 1804 | Figure 1

## **NLM Database Assistance**

- Training Manuals: PubMed, and TOXNET
  - http://www.nlm.nih.gov/pubs/web\_based.html
  - http://sis.nlm.nih.gov/enviro/manuals.html
- PubMed Help/FAQ and Tutorial
  - http://pubmed.gov (Using PubMed)
- NLM Fact Sheets
  - http://www.nlm.nih.gov/pubs/factsheets/factsheets.html
- Help Links for TOXNET Databases
  - http://sis.nlm.nih.gov/toxnet\_faq.html

# Questions?

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