Disclaimer

The following speakers have no relevant financial relationships to disclose:

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Penn Medicine Overview

TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

PENN Medicine Board

President of the University

University EVP/SOM Dean

Health System
Clinical Components

School of Medicine

Penn Medicine @ Rittenhouse
(in partnership with Good Shepherd Penn Partners)

Clinical Care Associates (CCA)

Princeton Medical Center

Pennsylvania Hospital (PAH)

PENN Presbyterian Medical Center (PPMC)

Hospital of the University of Pennsylvania (HUP)

Clinical Practices of the University of Pennsylvania (CPUP)

Academic & Research

Clinical
PENN MEDICINE PROFILE

FISCAL YEAR 2018

$7.8 BILLION in Annual Operating Revenue

RESEARCH & EDUCATION

Total Sponsored Research: $813.9 million
NIH Awards: $425 million
PA State Research Funding: $5.3 million
Licensing Revenue: $69.4 million
New Patents Awarded: 76
Full-Time Faculty (includes CHOP): 2,624
MD Students: 766
PhD Students: 671
MD/PhD Students: 190
Residents & Fellows (HUP, PPMC, PAH): 1,344
Postdoctoral Fellows: 782

PATIENT CARE

ON THE FOREFRONT OF MEDICINE

Home of the 1ST HOSPITAL in the United States, founded in 1751

Penn Medicine’s physicians, nurses, and staff provide exceptional, personalized care to patients with a wide range of medical conditions. Using state-of-the-art equipment and data science, our doctors and nurses work together to ensure that patients’ needs are addressed from multiple perspectives. Pharmacists, social workers, as well as nutrition and rehabilitation professionals are all part of the care team.

RESEARCH

LEADERS IN RESEARCH

Penn Medicine’s researchers take an interdisciplinary approach to better understand the fundamental mechanisms of disease, which leads to more precise and personalized treatments. Faculty from dozens of institutes, centers, and departments work in multidisciplinary teams spanning the 11 other schools at the University of Pennsylvania, including experts in informatics, bioengineering, and health policy.
Clinical Research at Penn Medicine

- **Type of Studies**: Novel Trials with Penn technology or innovation irrespective if funding, Commercialization of a Penn technology or investigator initiated protocol/Penn lead site, Industry or federally sponsored clinical trial, Tissue or biospecimen research, registry studies, prospective cohorts, etc.

- **Number of Studies**: N=2,576

### Graph:
- **A**: Novel Trials
- **B**: Commercialization
- **C**: Industry or federally sponsored
- **D**: Tissue or biospecimen

- **Axes**:
  - Y-axis: Number of Studies
  - X-axis: Type of Studies
Penn Medicine Research IS Environment

Clinical Trial Management System (CTMS)
- Velos

Document Management System (DMS)
- Veeva eTMF, Veeva SiteVault, Veeva Quality

Administrative/Financial Tools
- CRSPR, RBA, RBS, HSERA, PennERA

Feasibility/Cohort Identification Tools
- PennSeek, PennOmics, Penn DataStore, Oracle HSN, TriNetX

Recruitment IT Platforms
- iConnect, Emerging Med, Epic MyChart

Electronic Medical Record System (EMR)
- PennChart (EPIC)

Electronic Data Capture System (EDC)
- Velos, RedCap, Veeva EDC
Challenges and Opportunities

Large and decentralized institution it can be challenging to raise awareness and adoption of tools that support research

- OCR serve in navigation and outreach role to departments
- ISSAC team creation by clinical research IS

Resourcing volume of requests

- Development of more self service tools with training and policies

Different IS departments managing applications that all support research

- Leads to resourcing and prioritization issues but the faculty and staff don’t see the distinction just see applications as all in support of research Example: University IRB system vs. Epic health system application vs. CTMS PSOM system