

Clinical and Translational Research at Johns Hopkins

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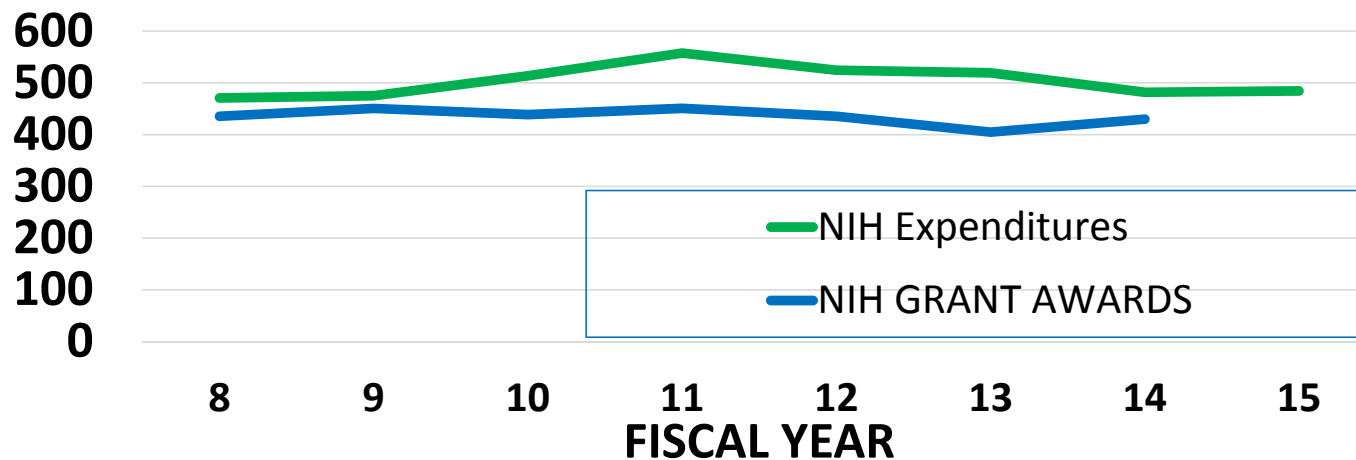
Vice Dean for Clinical Investigation, Johns Hopkins

Johns Hopkins Health System

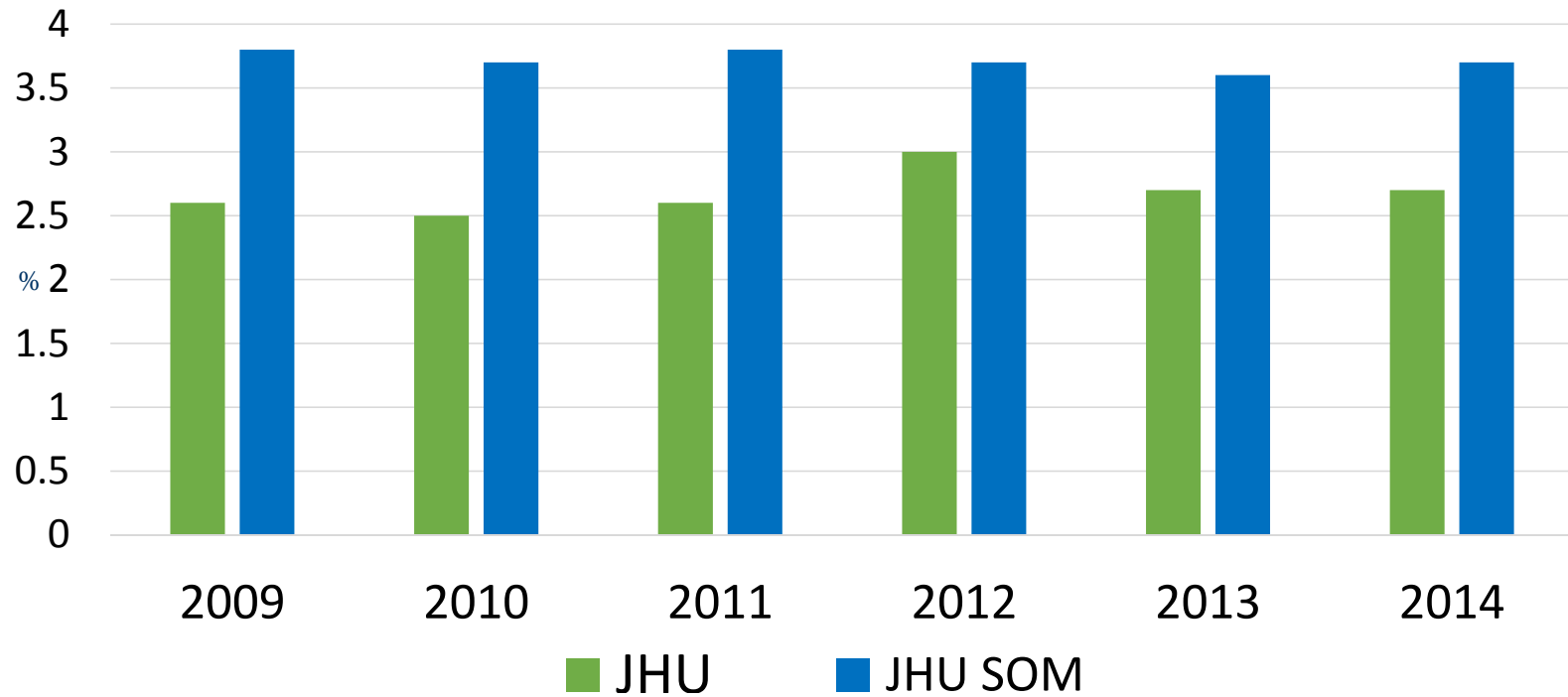


JHU SOM NIH Expenditures (includes Grants, ARRA, Contracts and carry forward by Univ. FY)
Compared to Total SOM NIH Grant Awards
(Federal Fiscal Years 2008 – 2014)

\$ Millions



JHU % of all NIH extramural award \$s SOM % of Awd \$s to all Schools of Medicine



2014 NIH Grant Awards to Top 10 Ranking Medical Schools

2014 RANK	SCHOOL	\$ (Millions) 2014	\$ (Millions) 2013	\$ (Millions) FY 2012
1	UCSF	480	440	441
2	Johns Hopkins	430	407	433
3	Penn	410	379	388
4	Wash U	354	298	360
5	Stanford	349	315	294
6	Yale	328	312	340
7	Pitt	317	297	325
8	Univ of Wash	302	293	310
9	UCSD	295	279	305
10	Vanderbilt	294	292	287

JHSOM Corporate Award Data

(in thousands)

<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>
76,362	56,357	67,479	85,418	99,890

Scope of Research at Johns Hopkins

- Comprehensive in Scope
 - Department of Medicine largest number of PIs
 - Research excellence in urology, otolaryngology, and ophthalmology
 - Comprehensive Cancer Center
 - Research in children
 - Neurosciences
 - Drug abuse
- Investigator Initiated
- Large Discovery Pipeline
- Many collaborations between Schools of Medicine, Public Health, Nursing and Engineering
- Expertise in Moving Discoveries to Population – Welch Center and Armstrong Institute
- Fortunate to Have Large Number of Trainees Interested in Research

Scope of Research at Johns Hopkins

- Expertise in Moving Discoveries to Population
 - Welch Center for Prevention, Epidemiology and Clinical Research
 - Armstrong Institute for Patient Safety and Quality
 - Center for Population Health Information
 - Center for Health Services and Outcomes
- Institute for Clinical and Translational Research – ICTR
 - Multiple cores to help researchers
 - Center that manages use of clinical data for researchers
 - Coordinates research groups – website, pilot funding, etc
 - PCORI PCORNet CDRN
- Fortunate to Have Large Number of Trainees Interested in Research

Research Administrative Structure

- JHM (Health System and School of Medicine)
 - One research administrative structure
 - EMR
 - Epic fully implemented except inpatient Bayview Medical Center and Johns Hopkins Hospital (complete May 2016)
 - JHM All Childrens Hospital Tampa is Cerner EMR
 - IRB structure
 - JHM IRB (AAHRPP accredited) School of Medicine, School of Nursing and Johns Hopkins Health System
 - Johns Hopkins School of Public Health IRB

Johns Hopkins Clinical Research Network



Future for Clinical Research at Johns Hopkins

- Diversifying funding beyond NIH to PCORI/Foundations/For-profit Organizations
- Moving toward more centralization of research resources to reduce barriers and allow research teams to focus on discovery
- Epic EMR will be increasingly utilized to support research
- Health system and Johns Hopkins Health Care (insurance) will increasingly be used as a laboratory to develop new models of health care delivery