



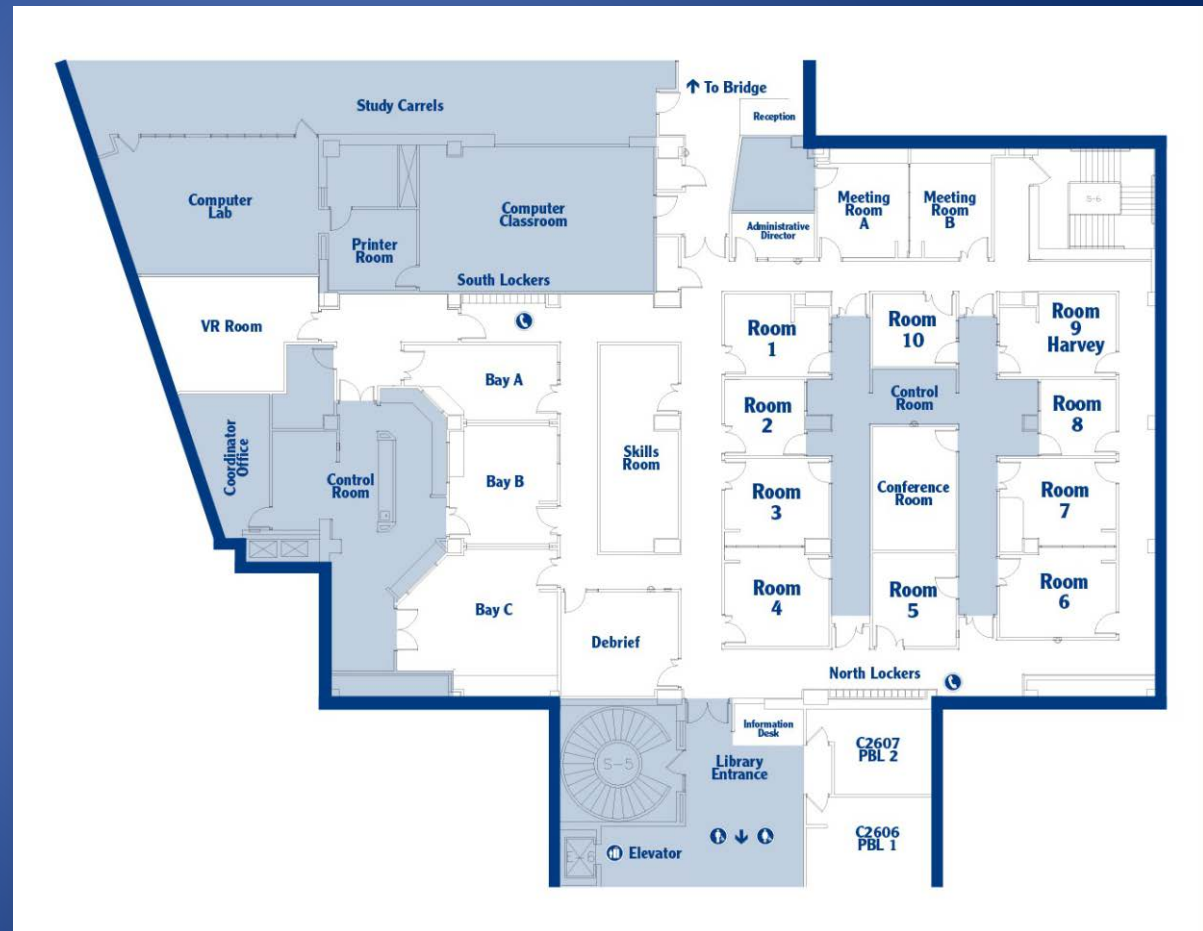
PennState Health
Milton S. Hershey Medical Center

Clinical Simulation Center





- Nearly 10,000 sq. ft.
- 15 simulation rooms
- 4 debriefing rooms
- Staff offices
- Storage





PENNSSTATE HERSHEY
 Clinical Simulation
Center

The mission of the PennState Hershey Clinical Simulation Center is to improve patient outcomes with effective programs that promote and enhance practitioner skills, clinical competence, teamwork, and interdisciplinary collaboration. To advance the field of healthcare simulation, the Center conducts innovative research into simulation theory, practice, and technology.

Patient Safety Starts Here...



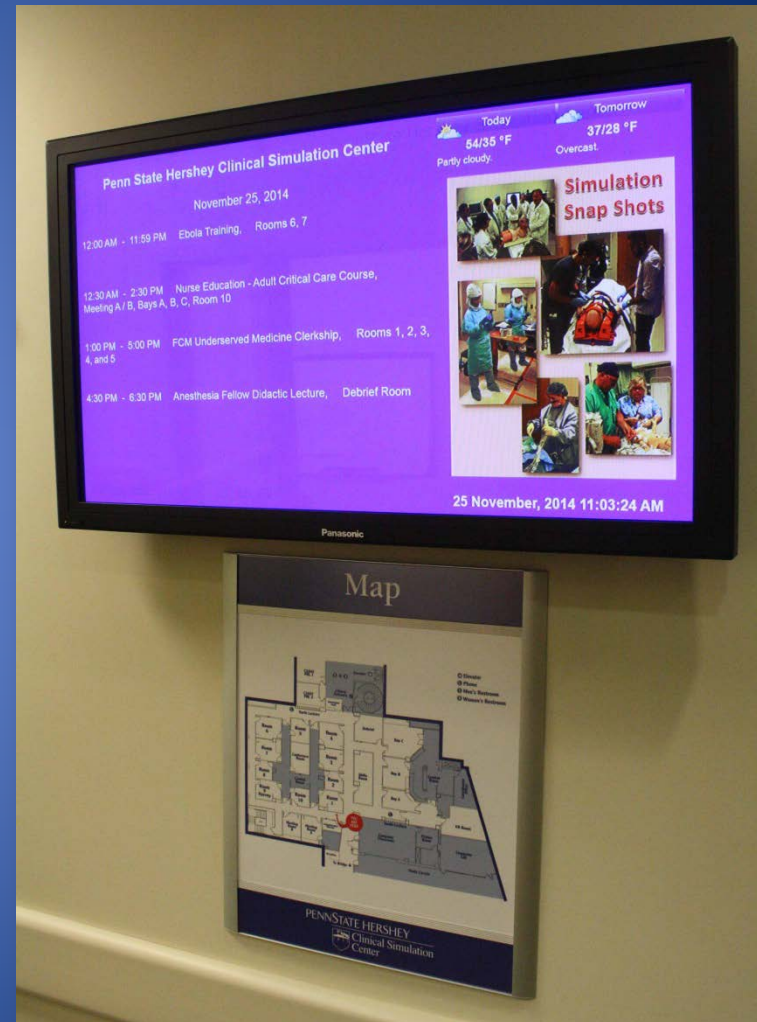
Accreditations and Endorsements

- Society for Simulation in Healthcare
- American College of Surgeons
- American Society of Anesthesiologists





At each entrance, digital signage details the day's activities and directional signs point out room locations.





Lockers are available for Center users to store backpacks, books, and coats while attending simulation sessions. This reduces in room clutter during simulation sessions.





The Skills Room features several part-task simulators that are available for staff 24 hours a day.





The VR room contains virtual reality simulators as well as ultrasound vascular models and the Lung Sounds Auscultation Trainer (LSAT™).



Computer workstations outside each of the 10 Training Rooms allow medical students to type notes after Standardized Patient assessments.





The 10 Training Rooms can accommodate manikins, task trainers or Standardized Patients. Each features a diagnostic headwall, white board, sink, and computer.





Rooms 2 and 8 feature control space to remotely operate higher technology simulators.



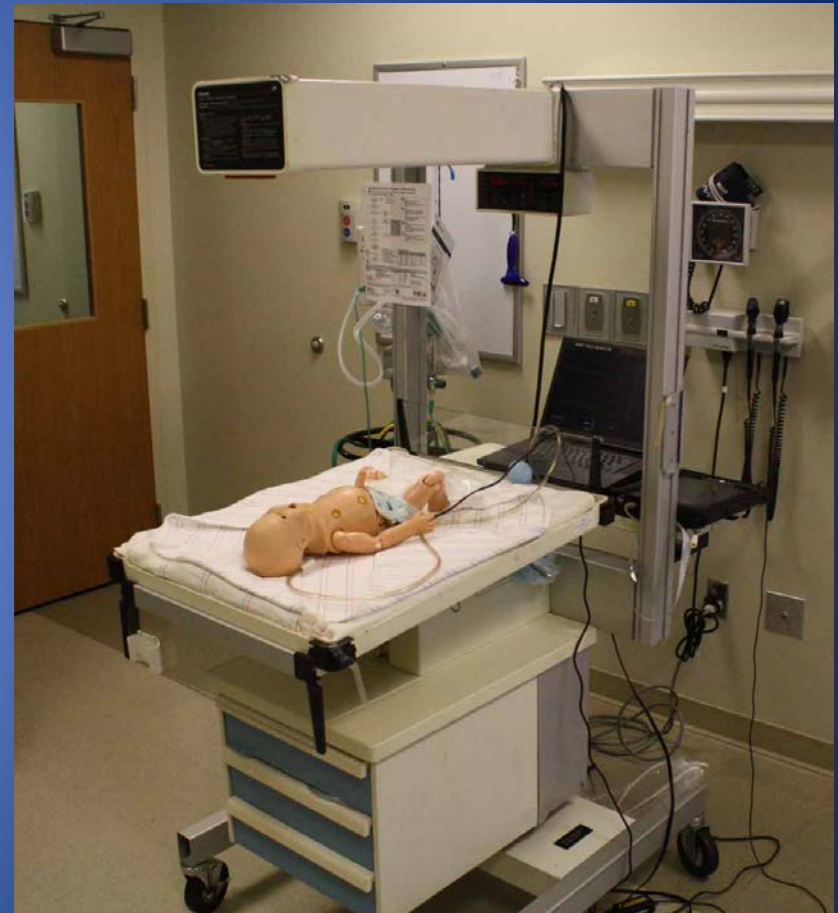


The Center has two Noelle™ birthing simulators and a birthing bed.



There are 31 computer controlled manikin simulators in the Center, including infant, child, and adult sizes.

The Center also has a variety of beds including basinet, infant warming beds, cribs, examination tables, ED gurneys, and hospital beds.





Full-bodied computer controlled simulators



CAE HPS Adult (2)

CAE HPS Child (1)



Laerdal Medical SimMan 3G (3)

Laerdal Medical SimMan Classic (1)

Laerdal Medical SimBaby (1)

Laerdal Medical SimNewB (1)

Laerdal Medical SimJunior (2)

Laerdal Medical ReusciAnne Skill Reporter (6)



Gaumard Scientific Adult HAL S3201 (1)

Gaumard Scientific Noelle (2)

Gaumard Scientific 5-Year-Old HAL (1)

Gaumard Scientific 1-Year-Old HAL (1)

Gaumard Scientific Newborn HAL (2)

Gaumard Scientific Newborn Tory (1)

Gaumard Scientific Premie HAL (1)

Gaumard Scientific Code Blue Adult (2)

Gaumard Scientific Code Blue Child (2)

Gaumard Scientific Code Blue Infant (1)



Training Room 9 has an alcove for the Harvey™ cardiopulmonary assessment simulator.



The interior hallways of the Training Rooms feature one-way mirrored doors and headsets for faculty to monitor activities in the rooms.





The video control room for the 10 Training Rooms can monitor and record sessions from 2 cameras and an auxiliary video input in each room



Bay A

The simulation bays are the largest of the simulation rooms. Each room can be configured to meet a variety of clinical scenarios.





Bay B

The mock OR features an anesthesia machine with all medical gases and an OR table.





Bay C

The largest simulation bay can accommodate two simulators.

The simulation bays feature walls that fold up into the ceiling allowing for the three bays to be combined into one large open space.





The main control room operates the three simulation bays representing ED, OR, and ICU rooms.





With over 50 video inputs, the digital video system records, plays back, and archives simulation sessions throughout the Center.



The primary debriefing room includes video review capabilities for all rooms in the Center and features Smart Board technology.



Meeting Rooms A & B include a Smart Board with the ability to pull up videos from all Center rooms.



The Conference Room serves as additional debriefing space. Each debriefing area is also equipped with cameras and microphones to allow recording and playback of debriefings for faculty development.





Standardized Patient Program

- 100+ trained patient actors
- 100+ cases developed



Learners from across the organization



PennState Health



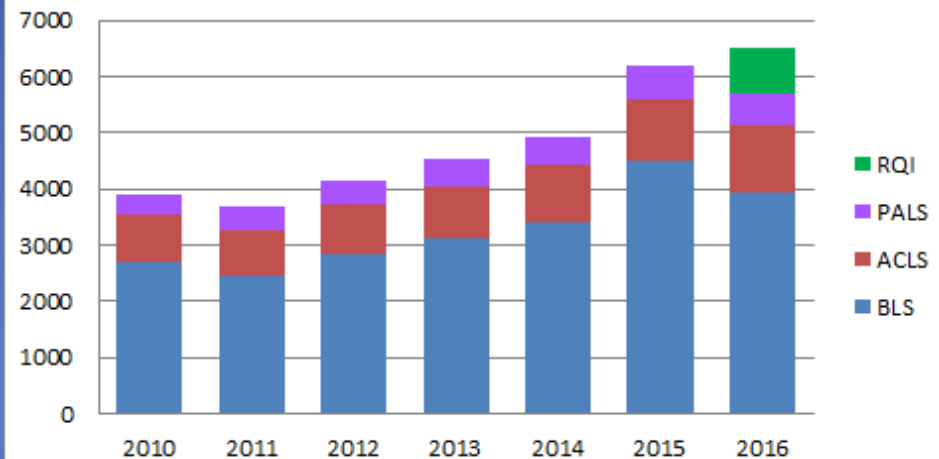


Resuscitation Sciences Training Center

- 143 BLS Instructors
- 88 ACLS Instructors
- 50 PALS Instructors



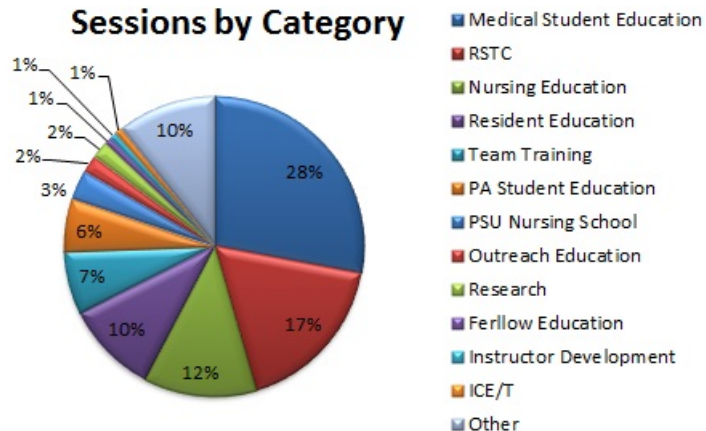
Number of RSTC Participants



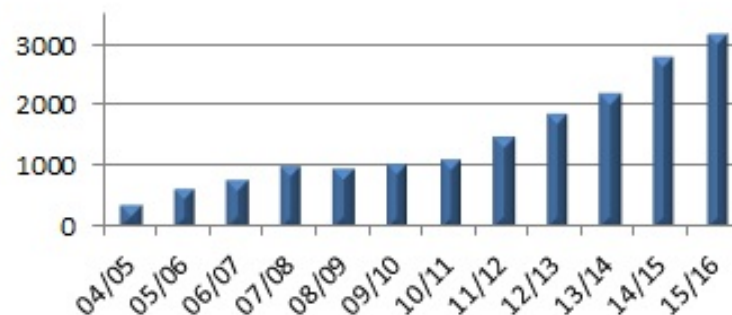
AHA RQI System adopted in
January 2016



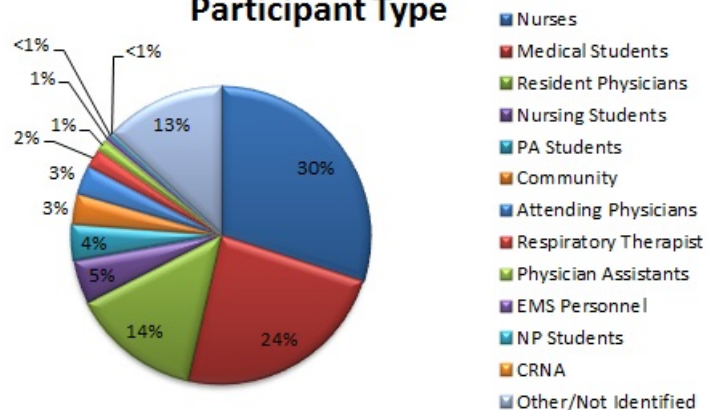
Sessions by Category



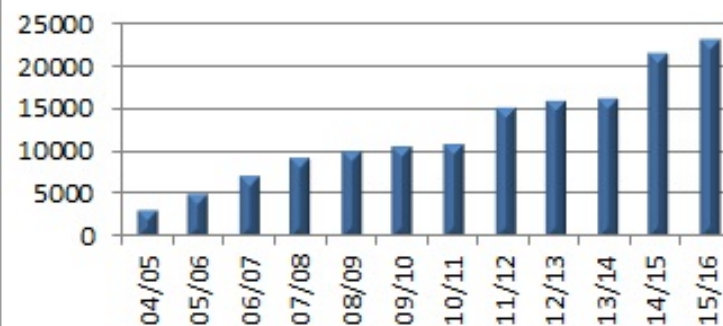
Simulation Sessions Per Year



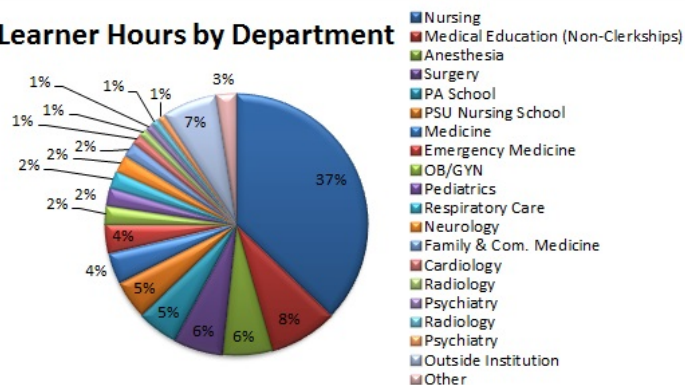
Participant Type



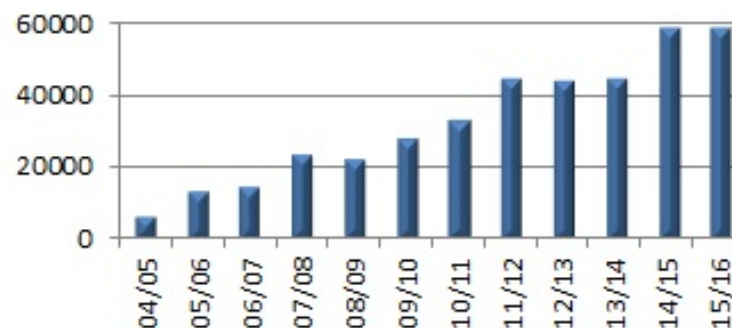
Learners Per Fiscal Year



Learner Hours by Department

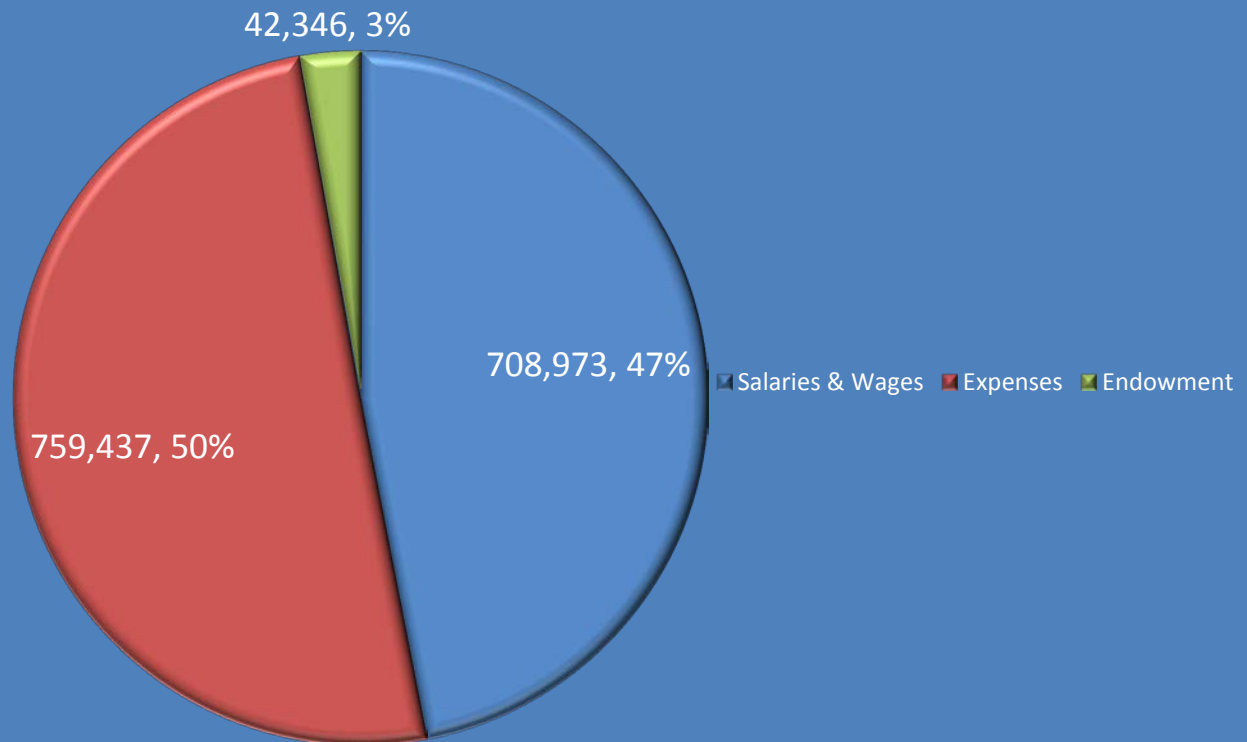


Learner Hours Per Fiscal Year





FY 2017 Budget (\$1.5 million)





Academic Output - 2016

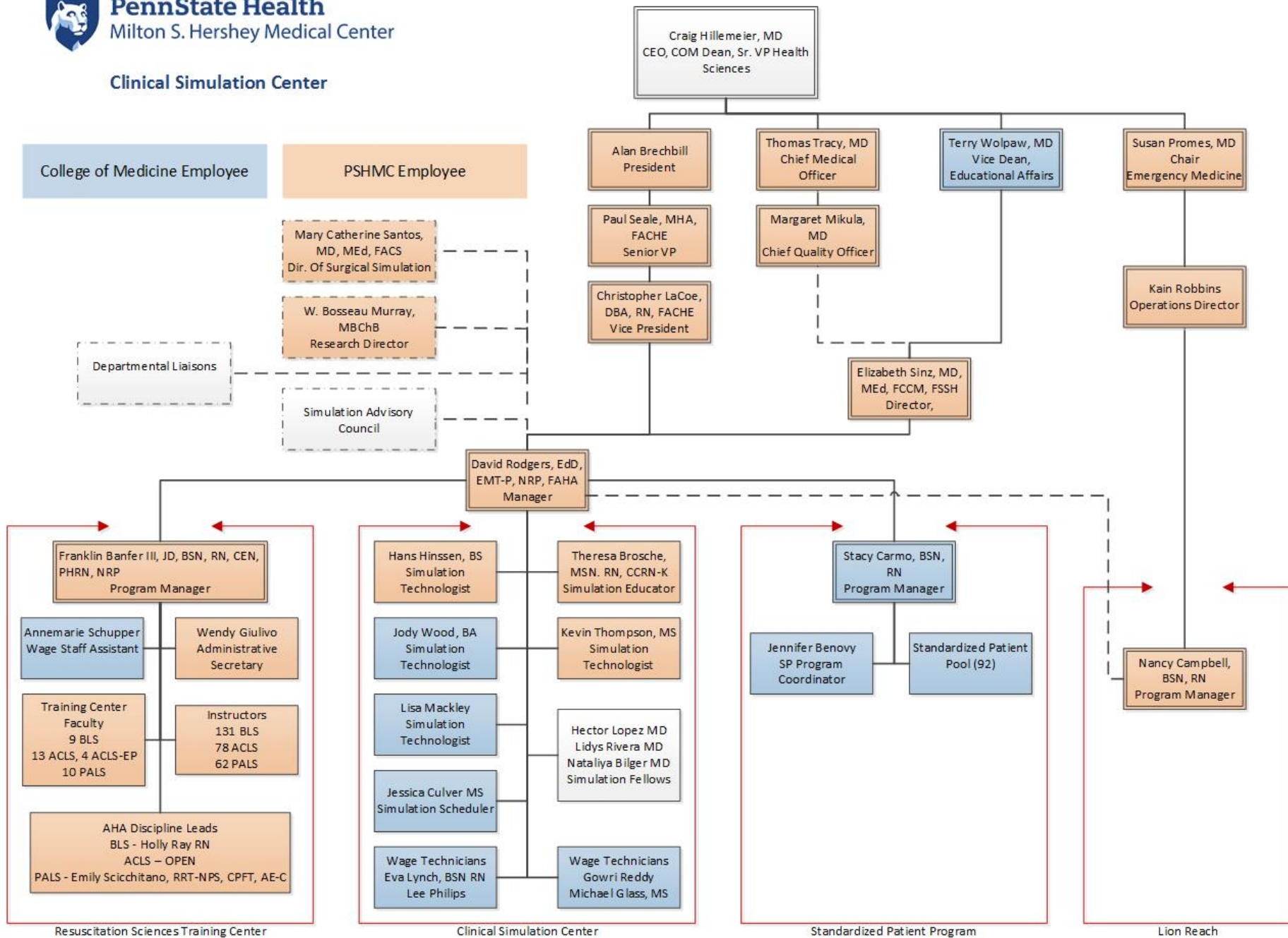
- 6 - Peer-reviewed manuscripts and abstracts**
- 10 - Conference presentations**
- 10 - Poster presentations**

Total Academic Output

Publications		Presentations	
Books and Book Chapters	15	Conference Presentations	87
Peer-reviewed Journal Articles	125	Conference Posters	102
Peer Reviewed Journal Abstracts	21	External Grand Rounds	5
MedEd Portal	11	Webinars	1
Other Publications	7		



Clinical Simulation Center



Staff



PennState Health

Clinical Simulation Center

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Jody Wood, BA – Simulation Technologist

Lisa Mackley – Simulation Technologist

Hans Hinssen, Dipl. Ing. – Simulation Technologist

Kevin Thompson, MS – Simulation Technologist

Jessica Culver, MS – Education Program Associate/Scheduler

Simulation Fellows – Hector Lopez, MD; Lidys Rivera, MD; Nataliya Bilger, MD

Part-time Staff – Gowri Reddy; Lee Phillips; Mike Glass, BS; & Eva Lynch, BSN, RN

Resuscitation Sciences Training Center

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Anne Marie Schupper – RSTC Staff Assistant

Standardized Patient Program

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Jenifer Benovy – SP Program Coordinator



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