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Once again, the UW Health Clinical Simulation Program experienced a year of remarkable growth and accomplishments. We consistently demonstrated that the program is a well-functioning asset for UW Health with the capability of responding efficiently and effectively to the ever-changing needs and demands of health care. Aligning with the organization’s strategic plan and supporting the patient and family experience remain the core focus of the program.

This responsiveness was exemplified with the development and deployment of the Preparedness Training Program for Special Pathogens, whereby, more than 300 frontline UW Health providers were trained in less than a six-week period to care for potential Ebola-infected patients. This proficiency to promptly and appropriately react is one example of the value our program provides in the increasingly dynamic world of health care.

Value by the Numbers: 2014–2015

We are driven by a vision to offer a world-class simulation program that promotes sharing of clinical knowledge and skills across disciplines and provider populations to improve the quality and safety of patient care in Wisconsin and beyond.
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1,146 simulation events

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Multidisciplinary team members for CHETA (Children’s Health Emergency Transportation Ambulance), fine-tune their resuscitation skills on “Sim Baby.” “Our research will help advance the science of hands-on health care simulation training,” states Carla Pugh, MD, PhD, Associate Professor of Surgery and Clinical Director of the UW Health Clinical Simulation Program pictured (above, center), with two undergraduate researchers in her lab.

Our continued growth in this strategic segment is driven by Maintenance of Certification in Anesthesiology, nursing annual review, safe patient handling, central venous line insertion, maintenance and removal, and safety and infection control. In addition, we are a pending Accredited Education Institute (AEI) for enhancing patient safety through simulation by the American College of Surgeons. This accreditation enables further growth in surgical and inter-professional development programs.

Several clinical and service areas are represented in our research and scholarly activities as well as a number of collaborators in engineering and education. The research falls into two areas: experimental and hypothesis driven, and program and curriculum evaluation. Our researchers are well-versed in the conduct and dissemination of simulation-based research and inquiry. Over the next three to five years, we plan to increase the number of researchers interested in program and curriculum evaluation. We believe this expansion is necessary to match our level of growth in new courses and learners.

### Key Components

**Continuing Professional Development**

- Competencies for
  - Health Care Providers
  - Residents
  - Students
- Maintenance of Certification (MOC)
- Quality
  - Promoting infection control
  - Minimizing untoward and sentinel events

**Team Improvement**

- Inter-Professional (IP) Education
- Provider Patient Communication
- Community and Patient Education

**Research and Development**

- Curricular Innovation
- Simulation-based Assessment
- Technology Development and Evaluation
- Process Improvement
- Educational Research

Our goal of increased emphasis on better collaboration and teamwork to improve the patient experience is what guides this strategic segment. Patient care scenarios that emphasize communication and cooperation are instrumental in the continued growth of our team improvement. The clinician-to-patient connection is enhanced through educational activities within the simulation program and facilities.

### Key Components

- Inter-professional courses for medical, nursing, physician assistant, physical therapy and pharmacy students
- Learner encounters of team scenario-based training for Preparedness for Special Pathogens
- Cost-benefit for scenario-based Preparedness Training for Special Pathogens

### Statistics

- **7** MOCA trainings for practicing anesthesiologists
- **1,350** nursing annual review participants—RNs and CNAs
- **672** learner encounters for Preparedness Training Program for Special Pathogens
- **2** inter-professional courses for medical, nursing, physician assistant, physical therapy and pharmacy students
- **150** learner encounters of team scenario-based training for Preparedness for Special Pathogens
- **38.6%** cost-benefit for scenario-based Preparedness Training for Special Pathogens
- **5** simulation development grants awarded by the simulation program in FY15
- **13** active research and development projects using simulation
- **5** new projects in the early development stage
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| MOCA trainings for practicing anesthesiologists | 7 |
| Nursing annual review participants—RNs and CNAs | 1,350 |
| Learner encounters for Preparedness Training Program for Special Pathogens | 672 |
| Inter-professional courses for medical, nursing, physician assistant, physical therapy and pharmacy students | 2 |
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- **1,146** simulation events
- **30.7%** increase in learner encounters

**Clinical Simulation Program Staff**

<table>
<thead>
<tr>
<th>Name</th>
<th>Role and Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carla Figli, PhD</td>
<td>Executive Vice President, Clinical Simulation Program</td>
</tr>
<tr>
<td>Don Van Woert, BSN</td>
<td>Administrative Assistant, Clinical Simulation Program</td>
</tr>
<tr>
<td>Mark Johansen, BA</td>
<td>Curriculum Specialist, Clinical Simulation Program</td>
</tr>
<tr>
<td>Rajeev Patel, MD</td>
<td>Chair, Department of Medicine, School of Medicine and Public Health</td>
</tr>
<tr>
<td>Ellen R. Wald, MD</td>
<td>Chair, Department of Pediatrics, School of Medicine and Public Health</td>
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**Executive Board**

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<tr>
<td>Beth Houlahan</td>
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<tr>
<td>Richard L. Page</td>
<td>Chair, Department of Medicine, School of Medicine and Public Health</td>
</tr>
<tr>
<td>K. Craig Kent</td>
<td>Chair, Department of Surgery, School of Medicine and Public Health</td>
</tr>
<tr>
<td>Elizabeth M. Petty</td>
<td>Senior Associate Dean for Academic Affairs, School of Medicine and Public Health</td>
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**UW Health Clinical Simulation Program**

Endorsed ASIN program by the American Society of Anesthesiologists