

UAB INTERPROFESSIONAL SIMULATION FOR INNOVATIVE CLINICAL PRACTICE



Annual Report October 2014—September 2015

www.uab.edu/simulation

Mission, Vision, & Values



Mission

To embed simulation-based techniques and tools in education and training for the UAB community to improve patient care outcomes, education, research and health system efficiency.

Vision

Dramatically improve learning, patient outcomes and efficiency at UAB and become an international leader in applying simulation to education, training, patient care delivery and research.

Values

- Transparency
- Teamwork
- Active learning
- Safe learning environment
- Interprofessionalism

Highlights - General

- Attained American Society of Anesthesiology (ASA) endorsement to host [MOCA](#) courses at UAB.
- Continued to develop new facilitator training courses including: Advanced Debriefing, Debriefing Assessment Series (DASH®), Embedded Simulation Person (ESP) Workshop, Facilitating Interprofessional Debriefing, Rapid Cycle Deliberate Practice Instructor Course, and Poverty Simulation Debriefing Training
- Implemented the OIPS Certification Plan® and SimUAB™
- Developed community of practice by hosting monthly journal clubs and bimonthly meetings for simulation educators and specialists
- Held the Institute for Medical Simulation advanced training course to develop 21 new simulation experts
- OIPS team members attended the International Meeting on Simulation in Healthcare as well as multiple training sessions, conferences
- Hosted consultants for assessment of OIPS space utilization and standardized patient activity



- OIPS expanded its physical space into Jefferson Tower 2nd floor with the addition of offices, a conference room, procedural room, and classroom
- Held a simulation demonstration for community leaders in the Leadership UAB program
- Hosted Quality Academy sessions for UAB's School of Health Professions Healthcare Quality and Safety Graduate Program
- Invested in new equipment to better train our learners—Simbionix GI-BRONCH Mentor, CAE iStan, Gaumard Newborn Tory, Curtis Life Research ECMO Simulator, Strategic Operations Surgical Cut Suit, Laerdal SimMom Automatic Delivery Module Upgrade, Sim Capture Audio-Visual Recording Server, Lifepak 20 Defibrillators (x3), Crash Carts (x6), OB-GYN Stretcher, Laerdal Internal Manikin batteries (x2), Harvey stethoscopes (x10), Sonosite M-Turbo Ultrasound, SonoSim Ultrasound Trainer, Thinklabs One Digital Stethoscope, multiple Blue Phantom ultrasound procedural trainers, assorted procedural trainers, performed A/V upgrade for debriefing rooms
- Hosted local, regional, national and international visitors including: Breakthrough Birmingham Scholars tour and simulation experience, SACS tour of Volker Hall, Magnet Site Visit Tour, CME tour, eLPS tour, MSHI tour as well as tours for Anesthesia, Emergency Medicine, Nurse Anesthesia applicants
- Developed curriculum for two International Healthcare Pre-Residency Trainees from Saudi Arabia



Highlights - University/Health Schools

- Implemented interprofessional simulation in every semester of BSN nursing curriculum and every year of medical school
- Developed CIPES research group investigating teamwork tools and effectiveness
- Supported Poverty Simulations to include SON, CAS (Social Work), SHP (PA/Genetic Counseling), SOD, and SOPH
- Provided over 9,800 hours of simulation for the university's stakeholder health schools
- Held Preparation for Residency Simulations to help graduating medical students transition to residency
- Partnered with the School of Engineering Design Studio Team



- Hosted Intensive Care Unit—Interprofessional Education Simulations for health schools and residents
- Hosted MSHA intern
- Developed curriculum for International Healthcare Pre-Residency Trainees

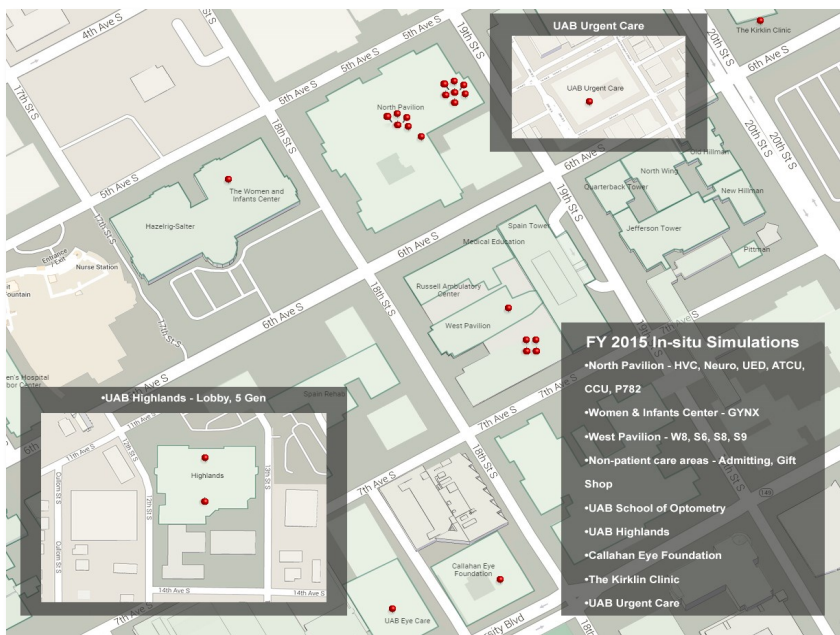


Highlights - Health System

Ebola Care Training

- Provided almost 800 hours of Ebola Care Team training (now the Rapid Infectious Outbreak Team) and initiated biannual maintenance team training for 55 team members
- Hosted Ebola Media Event in the Quarterback Tower Simulation Lab
- Participated in CDC site visit to assess Ebola preparedness
- Assisted the UAB ED and Birmingham Fire & Rescue with a full-scale Emergency Ebola Drill
- Assisted with UAB's rapid response to a real potential Ebola patient

OIPS Ebola Care Team Training Summary October 2015 - September 2015	Hours
Current Ebola Care Team training hours completed (PPE 101, EC-ED, EC-FL, Open Lab) 55 members	795
Support Personnel Training (PPE 101)	22
Other/Former Team Members Training (PPE 101, EC-ED, EC-FL)	78
Simulation facilitation hours (OIPS & train-the-trainers)	603
OIPS facilitation for Ebola Training	481
Train-the-trainer hours assisted in ECT training	200.75
Hours cleaning/prepping	430
<i>Total Hours</i>	<i>2609.75</i>
Estimated ~430 donns/doffs	



In situ Simulations

- Provided 24 in situ simulations within the UAB Enterprise including: mock resuscitations, mock strokes, Ebola testing, and emergency deliveries
- Participated in national stroke certification site visit by providing mock code strokes throughout the UAB Health System
- Reported on in situ findings to UAB Patient Safety and involved in finding solutions to challenges



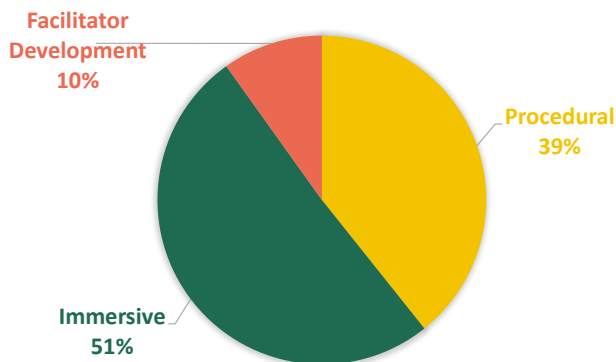
MOCA, Procedural Training, & Sepsis

- Held the first "mini" Maintenance of Certification in Anesthesiology (MOCA) course for participating Anesthesiologists
- Served on UABCare respiratory care and CVL training task force and developed Central Venous Line training materials
- Developed deteriorating patient simulations and CVL training with the MICU Fellows

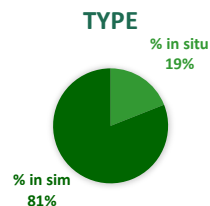
Simulation Course Summary

One of the main ways OIPS delivers to its customers is in course development and implementation. In FY15, OIPS delivered 187 procedural, 242 immersive and 47 facilitator development courses. These courses can take place either “in sim” in one of the sim centers OIPS manages or “in situ” on location in a clinical setting. OIPS is involved in courses on three levels; we deliver, support, and track courses.

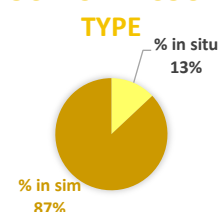
COURSE TYPE PERCENTAGES



IMMERSIVE COURSE TYPE



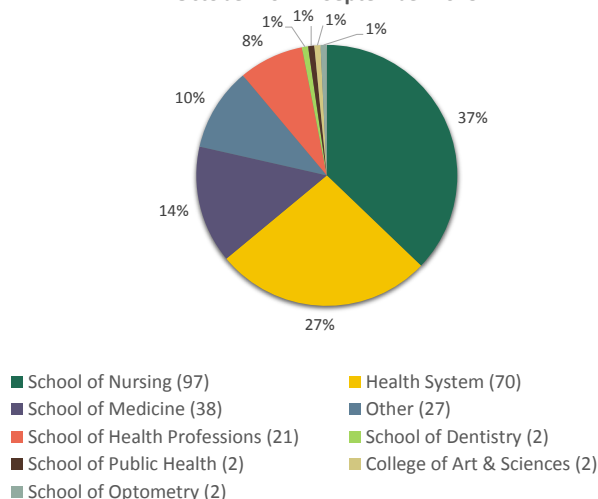
PROCEDURAL COURSE TYPE



Facilitator Development Summary

OIPS is first and foremost a train-the-trainer organization. Highly trained facilitators help us achieve our mission and vision while adhering to our values of delivering interprofessional simulation experiences that encourage collaboration, communication, and patient-centered care. Our primary goal is to maintain quality and consistency among our facilitators. FY15, OIPS expanded its Facilitator Development offerings to include an Advanced Debriefing workshop, a debriefing assessment series (DASH© Series), an Embedded Simulation Participant (ESP) workshop, and a Facilitating Interprofessional Debriefing workshop. A course focusing on the use of Rapid Cycle Deliberate Practice was also developed and launched, as well as a Poverty Sim Debriefing Training which is specifically designed to meet the needs of debriefers who facilitate the Poverty Simulations. Each of the new offerings in FY15 were successful and continue to be part of our regularly occurring courses for facilitators.

**Facilitator Development Learners
October 2014 - September 2015**



OIPS Simulation Facilitator Development Courses

Course Name	Participants	Times Offered
Advanced Debriefing	University, Health System	3
DASH© Series	University, Health System	5
Ebola Train the Trainer	Health System	3
ESP Workshop	University, Health System	3
IMS at UAB	University, Health System	1
In Situ Basics	University, Health System	1
Facilitating Interprofessional Debriefing	University, Health System	2
Poverty Sim Debriefing Training	University, Health System	3
Rapid Cycle Deliberate Practice	University, Health System	3
Sim 1	University, Health System	7
Sim 2	University, Health System	5
SimConnect	University, Health System	5

OIPS FY15 Courses

Immersive Courses

Course Name	Participants	Times Offered
Advanced Teamwork & Communication Sims*	University - SOM, SON	6
Anesthesia Resident Sims	Health System - SOM	23
Case Management Sims	Health System	2
CHF Respiratory Therapy Sims	Health System	1
Critical Care Transport Sims	Health System	2
CRRT Academy	Health System	1
Dentistry In situ Standardized Patient Sims	University - SOD	2
Dietetics Sims	Health System	1
Difficult Airway Workshop	Health System	1
EM Medical Student Sims	University, Health System	4
EM Resident Sims	Health System	15
Expansion Sims - Fun II*	University - SOM, SON	1
Expansion Sims - CV Module	University - SOM, SON	1
Expansion Sims - Endo Module	University - SOM, SON	1
Expansion Sims - GI Module	University - SOM, SON	1
Expansion Sims - Neuro Module	University - SOM, SON	1
Expansion Sims - Pulmonary Module	University - SOM, SON	1
Expansion Sims - Renal Module	University - SOM, SON	1
Expansion Sims - Repro Module	University - SOM, SON	1
FCCS Sims	Health System	1
Friday IPE*	University - SOM, SON	2
Genetic Counseling Sims*	University - SHP	6
Geriatric Simulations	Health System	4
HCOP Simulations*	External	1
	University - SOM, SON,	
High Acuity Sims*	SHP	8
ICU Interprofessional Education	University, Health System	1
	University - SOM, SON,	
IM Clerkship Tuesday IPE	SHP, CAS	43
IM CVL Workshop	Health System - SOM	18
MD PhD/ Medical Scientist Training Sims	University - SOM, SON	2
Medical Scientist Training Program	University - SOM, SON	2
MICU Sims*	Health System - SOM	1
Mini-Medical School Alumni Event*	University - SOM, SON	1
MOCA Pilot Sims*	Health System	1
Mock Code Stroke Sims*	Health System	8
Mock Resuscitation: In-Patient Sim	Health System	9
Nurse Anesthesia Simulations	University - SON	4
OB Clerkship IP Sims	University - SOM, SON	24
OB Resident Sims	University, Health System	3
Optometry Simulations	University - SOO	3
Physician Assistant Sims*	University - SHP	5
Pediatric Clerkship IP Sims	University - SOM, SON	1
	University - SOM, SON,	
Prep for Residency Sims	SHP	5
Prime Sims	University - SOM	7
Provost Tour	External	1
Physical Therapy Standardized Patient Sims*	University - SHP	1
Psychology Interprofessional Sims*	University	1
Quality Academy	University, Health System	2
RNFA	University - SON	1
SHEP Sims*	University	1
Shock Week Sims	University, Health System	1
SON Advanced Labs	University - SON	2
TNCC Sims	Health System	3
Tuscaloosa SOM Standardized Patient Sim*	University - SOM	1

Procedural Courses

Course Name	Participants	Times Offered
Anesthesia Skills Training	Health System	1
Anesthesia Medical Students Airway	University, Health System	8
AOC - O.R. Sims	Health System	1
Bronchoscopy Training	Health System	7
Critical Care Orientation Sims	Health System	4
CVL A-Line Training Sims	Health System	3
Doc Skills	University - SOM	6
EM Airway Workshop	University, Health System	3
EM CVL Workshop	University, Health System	7
First 5 & IV Pump Sim	Health System	1
Harvey© Sims	University - SOM	1
Highlands Ortho Resident Training	Health System	1
IM Ultrasound Workshop	Health System	9
In situ Procedural Training	Health System	18
MICU CVL Training	Health System	1
MICU Intubation Training	Health System	1
NP Task Training	Health System	1
Nurse Anesthesia Induction Sims	University - SON	4
Nurse Anesthesia Emergence Sims	University - SON	3
Nurse Anesthesia Positioning Sims	University - SON	2
Prep for Residency - CVL	University - SOM, SON	2
Ultrasound Special Topics Course	University, Health System	2

Facilitator Development Courses

Course Name	Participants	Times Offered
Advanced Debriefing*	University, Health System	3
DASH© Series*	University, Health System	5
ESP Workshop*	University, Health System	3
IMS at UAB	University, Health System	1
In Situ Basics*	University, Health System	1
Facilitating Interprofessional Debriefing*	University, Health System	2
Poverty Sim Debriefing Training*	University, Health System	3
Rapid Cycle Deliberate Practice*	University, Health System	3
Sim 1	University, Health System	7
Sim 2	University, Health System	5
SimConnect	University, Health System	5

Ebola Courses*

Course Name	Participants	Times Offered
Ebola Care ED	Health System	6
Ebola Care Floor	Health System	5
RIOT (Ebola Care Team) Training	Health System	6
Doffing Expert Sims	Health System	1
Ebola Drill	Health System	1
Ebola Travel Screen	Health System	8
Ebola Train the Trainer	Health System	3
Ebola Open Lab	Health System	62
Ebola CVL, Airway, Vascath Sims	Health System	2
Ebola - Malaria Testing Training	Health System	2

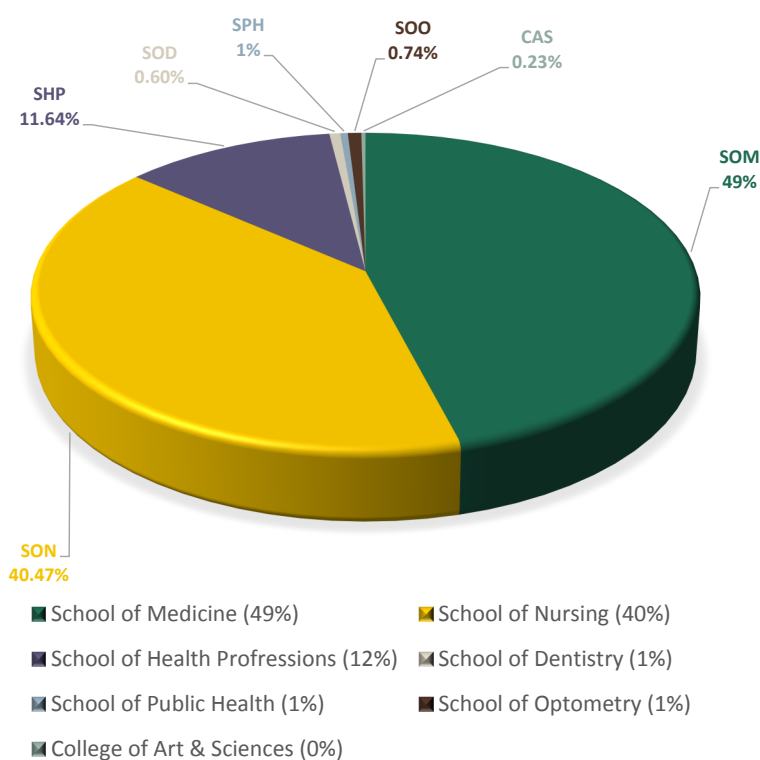
*New in 2015

Facilitator Partner Hours in Simulation

Month	University Facilitators	University Facilitator Hours	Health System Facilitators	Health System Facilitator Hours	Total Facilitators	Total Facilitator Hours
October-14	76	161	54	170.5	130	331.5
November-14	88	303.5	62	130	150	433.5
December-14	47	110.5	34	102	81	212.5
January-15	46	103.25	24	71.5	70	174.75
February-15	55	173.5	8	23	63	196.5
March-15	107	384.5	23	65	130	449.5
April-15	79	314.5	30	123	109	437.5
May-15	68	142	17	58	85	200
June-15	32	88	11	32.5	43	120.5
July-15	87	305	42	142.5	129	447.5
August-15	22	81.5	15	53	37	134.5
September-15	38	66	13	33.5	51	99.5
Subtotal	745	2233.25	333	1004.5	1078	3237.75

OIPS operates simulation activity in partnership with its stakeholders. OIPS-sponsored and OIPS-supported simulation activity would not be possible without the matching support of our partner facilitators. This graph shows the number of facilitators and the hours they have spent providing direct simulation support.

UNIVERSITY FACILITATOR HOURS BY SCHOOL OCTOBER 2014-SEPTEMBER 2015



The 2015 OIPS Team

- Marjorie Lee White—Director
- Chad Epps—Associate Director
- Betty Farley—Program Director III
- Charlie Prince—Program Director II
- Brian Mezzell—Program Administrator II
- Kelly Markham—Administrative Associate
- Dawn Taylor Peterson—Director, Faculty Development and Training
- Penni Watts—Faculty
- April Belle—Simulation Coordinator Senior
- Lisa Bagby—Simulation Coordinator Senior
- Jabril Cooper—Clinical Simulation Specialist
- Tim Holloway—Faculty Educator
- Erin Blanchard—Simulation Educator Senior
- Jarrod Young—Clinical Simulation Specialist
- Tyler Burks—Clinical Simulation Specialist
- David Mathews—Clinical Simulation Equipment Technician



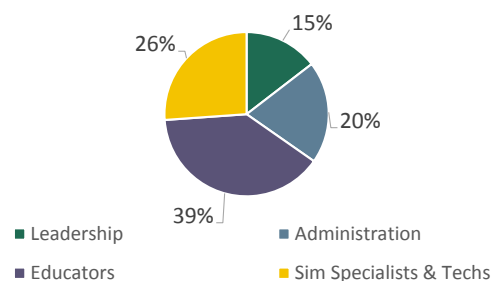
OIPS Core Functions

Leadership	Marjorie Lee White, Chad Epps
Administration	Betty Farley, Charlie Prince, Brian Mezzell, Kelly Markham
Educators	Dawn Taylor Peterson, Penni Watts, April Belle, Lisa Bagby, Jabril Cooper, Tim Holloway, Erin Blanchard
Sim Specialists & Tech	Jabril Cooper, Jarrod Young, Tyler Burks, David Mathews

- Our leadership team sets our organizational goals, develops our strategic planning and determines our overall direction. They also oversee our quality improvement and operations as well as engage with our stakeholders.
- The administrative team manages our human resources, finance, contracts, scheduling, data and communications. They develop and maintain branding through our website, newsletter and presentations as well as interface with clients and carry out special projects. The administrative team also manages a staff of five student workers.
- Educators on the OIPS team partner with other departments to assist in the development of courses and ensure that our partners can become highly trained simulation facilitators through our facilitator development courses and the OIPS Certification Plan®. OIPS educators develop course curricula and make sure the proper resources and teaching methods are used for the education of our learners.
- Simulation Specialists and Technicians facilitate all of our events. They operate and voice our manikins, collect data about our learners, maintain our simulators and equipment, provide technical support, and act as embedded simulation persons.



OIPS Core Functions



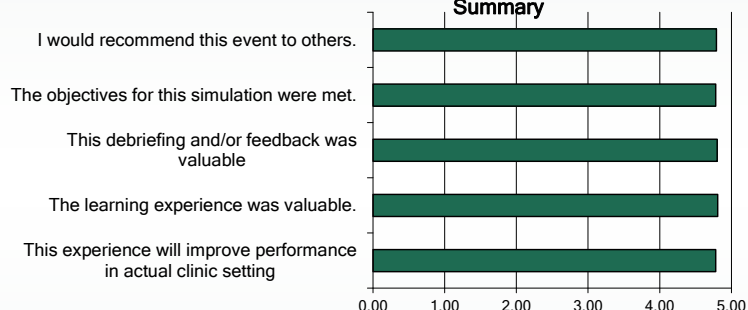
OIPS Simulation by Numbers



Number of Learners	8,904
Number of Learner Hours	18,028
Number of Simulation Facilitators Trained	261
Number of Interprofessional Faculty Involved	108
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Number of manikins	10
Number of task trainers	45
Total square footage of simulation space	10,900
Simulation Sessions held at Quarterback Tower	364
Simulation Sessions held at Volker Hall	73
Sim lab tours	6
Meetings	295
FY2015 OIPS Person Hours	21,709

OIPS Feedback & Comments

FY15 OIPS Standardized Simulation Course Evaluation Summary

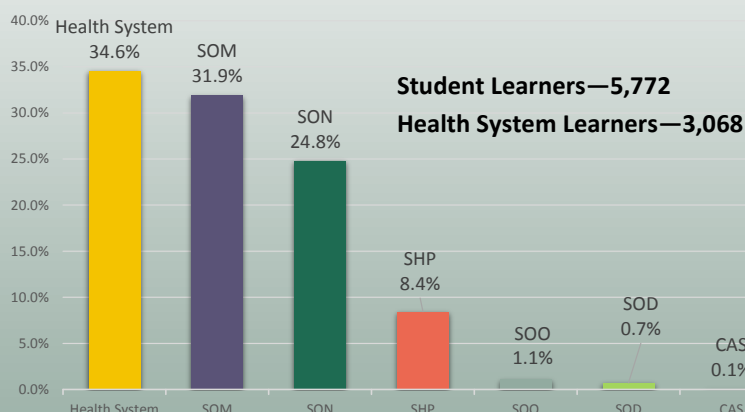


OIPS implemented a standardized course evaluation for all immersive and procedural simulation courses for FY15. This qualitative feedback tool proved to be enormously helpful for OIPS to assess its course delivery and to tweak such delivery to increase the efficacy and customer satisfaction. This anonymous evaluation survey consists of Likert scale questions to rate the course, as well as free-text areas for feedback on things that learners like, areas for improvement, and general comments. Out of the 5,368 completed course evaluations, the feedback from our customers was overwhelming positive. Our ratings were consistently above 95% in satisfaction for all areas

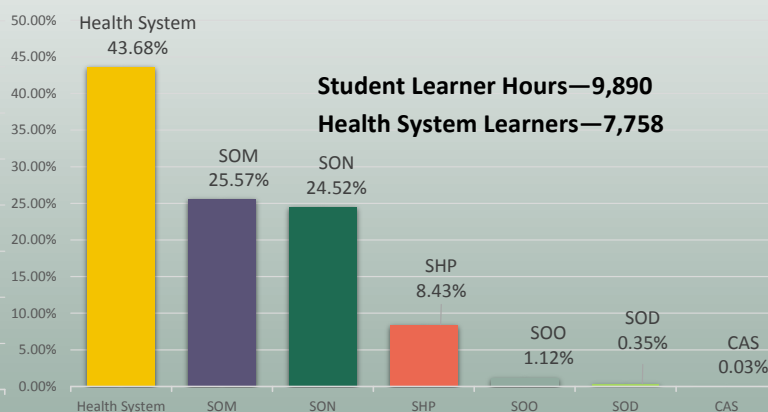
defined in the questionnaire. The free-text comments, of which there are over 9,400 from three separate questions, were also overwhelmingly positive, with recurring themes of “need more simulation” and “this was a great learning experience”. Each of our SimUAB™ facilitator development courses had their own similar evaluations, each of which had similar overwhelmingly positive results.

Simulation Course Learner Summary

Simulation Learner Distribution



Simulation Learner Hour Distribution



2015 Simulation Scholarly Activity

ORAL PRESENTATIONS

Epps C, Peterson DT. "Metrics and Outcome Measures for Accreditation." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Epps C. "Interprofessional Educational Courses and Curriculum Design." 15th Annual International Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Epps C. "Successful Accreditation for Healthcare Simulation Programs." 15th Annual International Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Epps C. "Accreditation Top 10." 15th Annual International Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Walker K, Bajaj K, Diederich E, Epps C, Masci JR, Pohlman J, White ML. "Making it Count: Using Simulation for EVD Readiness." International Meeting of the Society for Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Peterson DT, Onello R, Daniels AL, Wong N, Kolbe M, Krogh K. "D-Squared: How Debriefing the Debriefers Can Take Faculty Development to the Next Level." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Peterson DT, Watts P, Epps C, White ML. "Creating a Faculty Development Plan: A Tiered Approach." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

White ML. "Rapid Cycle Deliberate Practice: Team-based Resuscitation Scenarios." International Meeting of the Society for Simulation in Healthcare. New Orleans, LA. Jan. 2015.

White ML. "Teach and Assess Procedural Skills like an Expert: The L-S-P-P-D-M Approach." International Meeting of the Society for Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Epps C. "American Perspective on Debriefing." SPSIM 2015 : III Congress of the Portuguese Society for Simulation Applied to Health. Porto, Portugal. Feb. 2015.

Epps C. "Simulation-Based Research." SPSIM 2015 : III Congress of the Portuguese Society for Simulation Applied to Health. Porto, Portugal. Feb. 2015.

Epps C. "Healthcare Simulation Systems Integration." SPSIM 2015 : III Congress of the Portuguese Society for Simulation Applied to Health. Porto, Portugal. Feb. 2015.

Cooper TJ, Young J, Belle A, Prince C, Mezzell B, Peterson DT, Epps C, Skipper W, Bagby L, White ML. "University of Alabama at Birmingham

Ebola Care Team." AlaSim International 2015 Meeting. Huntsville, AL. May 2015.

White ML, Peterson DT, Watts P. "Using High-fidelity Manikin Based Simulation to Teach Inter-professional Health Care Students." University of Alabama System 2015 Scholars Institute. Birmingham, AL. May 2015.

White M, Thompson TM, Kessler D, Doughty C, Chang T, Zaveri P, Sawyer T. "Pediatric Procedures in the Simulation Setting—Checklists, Protocols, Tricks and Tips." 7th International Pediatric Simulation Symposia and Workshops. Vancouver, Canada. May 2015.

White ML. "SPACES: Using Simulation to Prepare for a New Clinical Space or Process." International Pediatric Simulation Symposia and Workshops, Vancouver, Canada. May 2015.

Epps C. "Introduction of the NEW Simulation-Enhanced Interprofessional Education Standard." 14th Annual International Nursing Association for Clinical Simulation and Learning International Nursing Simulation/Learning Resource Centers Conference. Atlanta, GA. June 2015.

Epps C. "Healthcare Simulation Accreditation Program Standards: Applying Them to Your Program." 14th Annual International Nursing Association for Clinical Simulation and Learning International Nursing Simulation/Learning Resource Centers Conference. Atlanta, GA. June 2015.

Palaganas J, Rudolph JW, Gardner R, Peterson DT, Fey, Raemer D. "Debriefing Interprofessional Groups." 14th Annual International Nursing Simulation/Learning Resource Centers Conference. Atlanta, GA. June 2015.

Watts PI, Langston S, Dailey K, White ML, Peterson DT, Epps C. "Partnering with medicine: Overcoming the barriers to integrating IP simulation into a BSN nursing curriculum." 14th Annual International Nursing Simulation/Learning Resource Centers Conference. Atlanta, GA. June 2015.

Epps C. "Debriefing Interprofessional Teams." 11th Annual Conference for the Australian Society for Simulation in Healthcare (SimHealth 2015). Adelaide, Australia. Aug. 2015.

Peterson DT, Watts PI, White ML. "Modeling Interprofessional Behavior: High Expectations, High Regard." 4th Annual Research and Innovation in Medical Education. (RIME) Week, Birmingham, AL. Sept. 2015.

Debiasi L, Shipman S, McLemore T, Varley A, Hitchcock L, White ML, & Peterson D. "Learning about Poverty through Simulation." Lifetime of Learning Alabama Possible Conference. Marion, AL. Sept. 2015.

2015 Simulation Scholarly Activity

ABSTRACTS AND POSTERS

Cheng A, Brown L, Duff J, Davidson J, Overly F, Tofil NM, Peterson DT, White ML, Bhanji F, Gottesman R, Adler M, Zhong J, Grant V, Sudikoff S, Charnovich A, Duval-Arnould J, Hunt E, Kessler D, Lin Y, Robertson N, Doan Q, Wong H, Nadkarni V. "Improving CardioPulmonary Resuscitation with a CPR Feedback Device And Refresher Simulations (CPR CARES Study): A Multicenter, Randomized Trial." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Cravens MG, Benner K, Beall J, Worthington M, Denson B, Youngblood A, Zinkan JL, Peterson DT, Tofil NM. "Evaluating the Education of Pharmacy Students and Pharmacists at a Pediatric Hospital Using and Educational Module and Simulation Training Versus Educational Module Alone." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Larson-Williams LM, Youngblood A, Epps N, Peterson DT, Abdullatif H, Zinkan JL, White ML, Tofil NM. "A Multidisciplinary, Longitudinal Simulation to Teach Pediatric Residents and Nurses How to Diagnose, Treat, and Manage Pediatric Patients with Diabetic Ketoacidosis." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

McKenzie CT, Tilashalski KR, Peterson DT, White ML. "High-Fidelity Simulation to Improve Dental Students' Clinical Communication." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

White M, Kebbel K, Hall R, DeMoss J, Peterson DT, Epps C. "Simulations for Health Administration, Medicine, and Nursing Students." 15th Annual International Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

White ML, Kebbel K, Hall R, DeMoss J, Peterson DT, Epps C. "Who do you call when things get complicated? Simulations for Health Administration, Medicine and Nursing Students." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Youngblood A, Zinkan JL, Cooper A, Peterson DT. "Family Centered Simulation." 15th Annual Meeting on Simulation in Healthcare. New Orleans, LA. Jan. 2015.

Cooper TJ, Young J, Belle A, Prince C, Mezzell B, Peterson DT, Epps C, Skipper W, Bagby L, White ML. "Ebola Care Team Training at UAB." 2015 Alasim International Conference and Exposition. Huntsville, AL. May 2015.

Clark DE, Lowman JD, Morris DM, Rothrock AG, White ML, Epps C. "Building Opportunities for Interprofessional Education: Activities for Physical Therapy Students at a University Medical Campus. World Congress for Physical Therapy." Singapore. May 2015. *Physiotherapy*. 2015; 101: 255-256.

Cheng A, Hunt E, Grant D, Lin Yiqun, Duff J, White ML, Peterson DT, Zhong J, Grant V, Gottesman R, Sudikoff S, Doan Q, Nadkarni V. "INSPIRE CPR Investigators. Quality of CPR Provided During Simulated Cardiac Arrest across 9 Pediatric Institutions." International Pediatric Simulation Symposia and Workshops. Vancouver, Canada. May 2015.

Mallory L, White ML, (Calaman S, Doughty C, Auerbach M, Mangold K), Chang T. "Targeting Development of Simulation-Based Assessment Tools for the General Pediatrics Milestones." International Pediatric Simulation Society Symposia and Workshop. Vancouver, Canada. May 2015.

Peterson DT, Teske S, Morse A, Youngblood AQ, Zinkan JL, Tofil N. "Hybrid Simulation for Resident Nutrition Education." International Pediatric Simulation Symposia and Workshops. Vancouver, Canada. May 2015.

Sunallah RRS, Pruitt Cm, King C, Epps C, Tofil NM, Misko SR, White ML. "Assessment of Cervical Spine Movement During Endotracheal Intubation of Pediatric Manikin." International Pediatric Simulation Symposia and Workshops. Vancouver, Canada. May 2015.

Youngblood AQ, Wise KM, Zinkan JL, Peterson DT, Tofil NM. "Hospital Wide Plan for Improving Staff Performance in "The First Five Minutes of a Code." International Pediatric Simulation Symposia and Workshops. Vancouver, Canada. May 2015.

Bagby L, Chambers A. "Bathe SAFE: A UAB Care Initiative." Annual Magnet Evidence Based Practice and Research Day, University of Alabama at Birmingham Center for Nursing Excellence. Birmingham, AL. Sept. 2015.

Belle A, Boykin CO, Hammett MJ, Bishop T, Ellison J, Biswal S, Stewart J. "HVC Mock Code Stoke Extravaganza." Annual Magnet Evidence Based Practice and Research Day, University of Alabama at Birmingham Center for Nursing Excellence. Birmingham, AL. Sept. 2015.

Bouldin J, Belle A, White ML. "The Use of a Sports Metrics App in the Recording of In-Situ Mock Code Data." 4th Annual Research and Innovation in Medical Education. (RIME) Week. Birmingham, AL. Sept. 2015.

Hicks MN, Cooper, TJ, McNicholas-Bevensee CM, Rutledge C, Aurora GM, Easton T, White ML. "Utilization of Simulation in Pre-medical Education to Improve Non-academic Attributes Necessary for Healthcare Professionals." 4th Annual Research and Innovation in Medical Education. (RIME) Week. Birmingham, AL. Sept. 2015.

Varley A, Peterson DT, Hitchcock L, Shipman S, Debiase L, McLemore TC, White ML. "Learning about poverty in a team-based simulation." 4th Annual Research and Innovation in Medical Education. (RIME) Week. Birmingham, AL. Sept. 2015.

2015 Simulation Scholarly Activity

PUBLICATIONS

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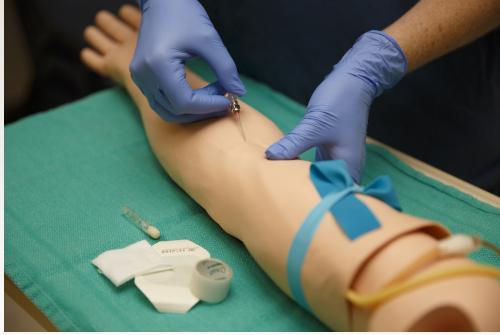
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