MHA
Keystone Center
A Certified Patient Safety Organization

Fall 2017 Workshop:
Critical Care

The MHA Keystone Center Fall 2017 Workshop will highlight ways to implement best practices in the critical care setting, specifically surrounding pressure ulcers, sepsis, antimicrobial stewardship, as well as human factors efforts within patient falls and readmissions.

Continuing Education Credits provided by:
Michigan Public Health Institute, Continuing Education Solutions Continuing Education Provider Unit

MPHI®

TUESDAY, SEPT. 19, 2017 | **DEARBORN INN** | **DEARBORN, MI**

Agenda

7 – 8 a.m.
REGISTRATION, BREAKFAST & EXHIBITORS

8 – 8:15 a.m.
OPENING REMARKS AND WELCOME
Brian Peters, chief executive officer, Michigan Health & Hospital Association

Sam R. Watson, MSA, CPPS, senior vice president patient safety and quality, Michigan Health & Hospital Association, and executive director, MHA Keystone Center

8:15 – 9:15 a.m.
PATIENT AND FAMILY PERSPECTIVE STORY
Lt Col Jerry Both, USAFR (Ret)

9:15 – 10:15 a.m.
DELIRIUM AND READMISSIONS
Brenda Pun, DNP, RN, program clinical manager, Vanderbilt University Medical Center

10:15 – 10:45 a.m.
2016 KEYSTONE ICU SURVEY RESULTS
Deena K. Costa, PhD, RN, assistant Professor, University of Michigan

10:45 – 11:15 a.m.
BREAK & MEET VENDORS

11:15 – 11:45 a.m.
DATA UPDATE
Megan Black, BS, CPPS, Keystone data manager

11:45 – 12:15 p.m.
REDUCING PRESSURE ULCERS IN SURGICAL ICU USING RAPID IMPROVEMENT
Laurie Wolf, PhD, Human Factors Engineer, Barnes-Jewish Hospital

12:15 – 1:15 p.m.
LUNCH

1:15 – 2:15 p.m.
SEPSIS AND READMISSIONS
Hallie Prescott, MD, MSc, assistant professor, University of Michigan

2:15 pm – 3 p.m.
USING QUALITY IMPROVEMENT AND HUMAN FACTORS TO REDUCE PATIENT & STAFF FALLS
Laurie Wolf, PhD, Human Factors Engineer, Barnes-Jewish Hospital

3 – 4 p.m.
2017 "HOT TOPICS" IN CRITICAL CARE
Michele Balas, PhD, RN, CCRN-K, FCCM, associate professor, The Ohio State University College of Nursing

4 p.m.
CLOSING REMARKS

Speakers

Michele Balas, PhD, RN, CCRN-K, FCCM, is an associate professor at the Ohio State University College of Nursing and a nurse scientist at the Ohio State University Wexner Medical Center. Balas' research focuses on developing, testing and disseminating safe and effective, interprofessional interventions aimed at reducing intensive care unit (ICU)-acquired delirium and weakness. Balas is internationally recognized for her work involving the ABCDEF bundle – a coordinated, multicomponent, evidence-based approach to managing critically ill adults. Her research team was the first to report significant improvements in important patient-centered outcomes when the original ABCDEF bundle was applied to everyday care. Balas has extensive clinical trial experience, being competitively funded by five major foundations, including the John A. Hartford Foundation Building Academic Geriatric Nursing Capacity program (work focused on defining the epidemiology and outcomes of delirium in the surgical ICU); the Robert Wood Johnson Foundation Interdisciplinary Nursing Quality Research Initiative (studying the translation of knowledge to improve nursing care and patient outcomes); and the Alzheimer's Association (testing a novel and fundamentally different way of measuring functional status). She is currently exploring the symptom experience and outcomes associated with ABCDEF bundle implementation in the under-studied area of the long-term acute care hospital setting. Balas' influence in transforming delirium management and care of the critically ill is also evident in her co-leadership of an ongoing, 66-hospital ABCDEF bundle quality improvement collaborative involving more than 17,000 patients; her prolific scholarly publication and presentation record, and leadership roles in numerous interprofessional societies.

Megan Black is a data manager within the Data Services division of the MHA Service Corporation, supporting products and services for the MHA Keystone Center. Since joining the MHA Keystone Center in 2013, Black has held a wide variety of roles in patient safety and quality efforts, currently providing expertise for data collection design, data organization, data visualization and various other reporting and analytics. In March 2016, Black became a Certified Professional in Patient Safety. She earned her bachelor's degree from Western Michigan University, majoring in chemistry with a communications minor. With experience in biochemistry and immunochemistry, Black has a sound background in data collection, analysis and scientific processes, as well as proficiency in ISO and GxP/FDA-regulated environments. In her quality assurance role in pharmaceutical production, Black was educated in patient safety, compliance and ethics, including World Health Organization and Institute of Medicine/USP-NF guidelines. Black joined the MHA to apply her appreciation for evidence-based best practice and progressive safety culture to the field of healthcare.

Lt Colonel Jerry Both is a commercial airline pilot and a retired Air Force reserve officer. Both received his bachelor's degree in 1985 from the University of Wisconsin-Superior and a master's degree from Embry-Riddle Aeronautical University. He was commissioned in the Air Force and began his military career as an RF-4 Weapon Systems Officer. In 1989, he attended USAF pilot training and was a KC-10 aircraft commander, instructor and evaluator until 1998. Both transferred to the Air Force Reserve and was the central Texas director for Air Force Academy Liaison Officers before retiring in 2011. Hired by a major U.S. airline in 1999, Both has flown the Boeing-727 as a flight engineer and has been a first officer on the F-100, MD-80 and the Boeing-737. He became a TeamSTEPPS master trainer in 2014 and is founder of medCRM LLC, established to promote Crew Resource Management, TeamSTEPPS, and a Just Culture within the healthcare community. Both lives in Austin, TX, with his wife, Debbie. The couple has two sons, Michael and Christopher.

Deena Costa, PhD, RN, strives to maximize survival and minimize morbidity for mechanically ventilated adults through her research on the organization and management of critical care. Specifically, her work identifies key structural and functional characteristics of intensive care unit (ICU) interprofessional teams that can be leveraged to improve the delivery of high-quality, complex care to these patients. Costa is a trained health services researcher with clinical expertise in adult critical care nursing. Her work on the organization and management of critical care has been published in leading journals such as *JAMA, Chest*, and *Critical Care Medicine*. Her current research, which is funded by the Agency for Healthcare Research and Quality, incorporates both quantitative and qualitative methods to examine ICU teamwork and patient outcomes. Costa became active in MHA Keystone Center: ICU, when she joined the University of Michigan faculty and has been involved in the MHA Keystone Center: ICU annual survey since 2014.

Hallie Prescott, MD, MSc is an assistant professor at the University of Michigan in the division of Pulmonary & Critical Care Medicine and a core investigator at the Ann Arbor VA Center for Clinical Management Research. Prescott's research examines how sepsis fits into a patient's broader trajectory and how we can reduce post-sepsis morbidity. Prescott is a leading international scholar on the overall burden of sepsis, including the high rate of post-acute care use, hospital readmission, and late death in sepsis survivors. She has shown that many sepsis survivors die following hospital readmissions for infections, suggesting that post-sepsis immune-suppression is an enduring problem that contributes to late sepsis-related deaths. She has also shown that microbiome disruption increases risk for subsequent sepsis. Taken together, her research has identified specific treatable medical conditions in driving post-sepsis morbidity and is a leading source of current knowledge about the consequences of sepsis. Prescott has been repeatedly recognized for her rigorous sepsis research. She won a 2015 Global Rising Star award from the Australia/New Zealand Intensive Care Society,

the American Thoracic Society's 2017 Jo Rae Wright Award for Outstanding Science, and a 2017 Young Physician-Scientist Award from American Society of Clinical Investigation. Prescott is currently serving as the inaugural Lowry-Fink fellow for the International Sepsis Forum, for which she is organizing a 2018 international colloquium on sepsis survivorship.

Brenda Truman Pun, DNP, RN, is an advanced practice nurse with a special interest in critical care who conducts and participates in patient-oriented, health services research at Vanderbilt University Medical Center. Truman received a bachelor's degree from Wheeling Jesuit University in Wheeling, WV; a Master of Science degree in nursing from Vanderbilt University School of Nursing in Nashville, TN; and Doctor of Nursing Practice degree from University of North Carolina – Chapel Hill. Truman serves as program clinical manager in the Vanderbilt Coordinating Center, where she is involved in the creation and design of studies, grant writing, data collection, analysis of data and communication of results. Truman's research has focused on improving the care and outcomes of critically ill patients with special emphasis on delirium and sedation. She is dedicated to nursing, medical education, and the translation and implementation of research to bedside practice. Truman travels throughout the United States, providing continuing education to bedside staff at local, regional and national conferences and research consultation to hospitals and organizations.

Laurie Wolf, PhD, CPE, ASQ-CSSBB, is a certified professional ergonomist with a PhD in human factors & ergonomics from Loughborough University and a Six Sigma black belt certification from the American Society of Quality. She has been with BJC HealthCare, St. Louis, for more than 20 years and has published more than 20 peer-reviewed articles and three book chapters. Wolf's initial work at BJC Corporate Health Services was in the area of occupational medicine. She achieved outcomes such as preventing accidents, increased productivity, lowered injury rates, and reduced worker compensation costs by implementing appropriate ergonomic interventions in industrial and hospital environments. Wolf's recent work at Barnes-Jewish Hospital involves quality improvement projects to achieve efficient processes and error proofing that result in a safe environment for staff and patients. Outcomes include 25 percent reduction in falls, over 30 percent reduction in pressure ulcers, 80 percent improvement in physician communication, and decreased length of stay and discharge times. Her current assignments include patient throughput involving multidisciplinary coordination of patient care from admission to discharge, providing performance improvement services to the medicine division, patient placement geographic assignment, conducting human factors engineering assessments of patient safety events, and providing educational workshops for BJC and Washington University on human factors, error proofing, and lean and problem-solving methods.

Conference Details

REGISTRATION

All MHA Keystone Center member hospitals are encouraged to send a team of individuals, including nurses, physicians, quality improvement directors, physical therapists, respiratory therapists and administrators. A virtual option will be available for those unable to attend in person.

There will be a charge to attend the workshop.
- **In-person:** $50 for MHA members
- **In-person:** $100 for non-MHA members
- **Virtual option:** $125 for MHA members
- **Virtual option:** $250 for non-MHA members

To register, contact Naomi Rice at (517) 886-8369 or nrice@mha.org.

Please note: This event may be photographed and/or videotaped. Your attendance will indicate your consent for the use of such photographs or videotapes for educational and/or promotional purposes.

VENUE & ACCOMMODATIONS

The Dearborn Inn is located at 20301 Oakwood Blvd, Dearborn, MI. Hotel accommodations at The Dearborn Inn are **sold out**.

Alternate area hotels include:
- **Hampton Inn:** 22324 Michigan Ave. - *5 minutes away*
- **Comfort Inn:** 20061 Michigan Ave. - *5 minutes away*
- **StayBridge Suites:** 24105 Michigan Ave. - *9 minutes away*
- **The Henry:** 300 Town Center Dr. - *9 minutes away*

PARKING

Complimentary self-parking is available adjacent to the hotel. Valet parking is $12 per day, and is located at the front entrance of the building.

SPECIAL NEEDS

If you have any special needs or concerns regarding registration, event participation or dietary restrictions, contact Janice Jones at jjones@mha.org or (517) 886-8433. Please inquire in advance so we may appropriately accommodate your individual needs.

SOCIAL MEDIA

For event updates, follow the MHA Keystone Center on Twitter at twitter.com/MHAKeystoneCtr. Join the conversation using **#MHAKeystone**.

CONTINUING EDUCATION

Nursing Contact Hours Designation

A total of **6.25** Nursing contact hours have been awarded for this activity by the Michigan Public Health Institute – Continuing Education Solutions (MPHI-CES)

Certified Medical Education I

A total of **6.00** AMA PRA Category 1 Credit(s)™ have been awarded for this activity. The Michigan State Medical Society designates this live activity for a maximum of **6** AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Please contact Kristen Cavanagh-Strong at kcavanagh-strong@mha.org for more information.

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