



**4<sup>th</sup> Annual Unified Quality Improvement Symposium**  
*Hosted by The REACH Initiative and Vidant Health Quality Office*  
**East Carolina Heart Institute at ECU**  
**February 5, 2020**

The symposium is a showcase of initiatives happening throughout East Carolina University's Health Sciences Campus and Vidant Medical Center/Vidant Health related to quality improvement, patient safety, population health, and interprofessional practice. The goal of the symposium is to provide academic and community physicians, health professionals, health care teams, residents, fellows, and students the opportunity to present their work in systems improvement and practice redesign to an audience of peers and health system leaders.

**KEYNOTE SPEAKER**

Charles Harr, MD, MBA, Rear Admiral (RET), US Navy, Chief Medical Officer, WakeMed Health and Hospitals

A devotion to service, a passion for cardiac medicine and a commitment to patient care have helped define the career of Dr. Charles Harr. Not only is he a highly accomplished cardiovascular and thoracic surgeon, he is also a retired rear admiral of the United States Navy with more than 23 years of service to this country.

Dr. Harr joined WakeMed from the Novant Health Heart & Vascular Institute in Charlotte, N.C, and Charlotte Cardiothoracic Surgical Associates (of the Carolinas Healthcare System), where he spent more than 20 years performing state-of-the-art cardiac, thoracic and vascular surgical procedures.

A respected physician and hospital leader, Dr. Harr has helped develop, implement and maintain systems and processes that have enhanced patient care, improved patient outcomes and reduced healthcare costs. Sharing his expertise with medical residents and working collaboratively with multi-disciplinary medical teams for the benefit of the patient are also among his many strong suits.

Prior to his time in Charlotte, Dr. Harr served as a rear admiral of the U.S. Navy and was a recognized medical expert among his military colleagues, performing general, thoracic, vascular and trauma surgery for soldiers both on and off the battlefield. Relied upon for his strategic vision and medical and professional expertise, Dr. Harr was chosen to serve in various leadership positions for the U.S. Navy and the U.S. Marine Corps. Awards such as the Legion of Merit, the Navy/Marine Corps Commendation Medal and the National Defense Service Medal were all bestowed upon Dr. Harr and help illustrate his successful military career as well as his commitment to service and professional excellence.

**SYMPOSIUM OBJECTIVES**

At the end of this symposium, participants will be able to:

1. Explain the quality improvement process as illustrated through inpatient, acute care, ambulatory practice and interprofessional improvement projects.
2. Describe how the quality improvement process can impact clinical care and system's based practice.
3. Provide a platform for participants to describe how they would change rules, habits, policies, or procedures to improve care delivery.

## AGENDA

7:45-8:15 **Registration and Refreshments**

*ECHI Atrium*

8:15-8:30 **Welcome and Overview**

Danielle Walsh, MD, Associate Professor of Surgery

*ECHI Auditorium*

8:30-9:30 **Podium Session**

Moderator: Timothy Reeder, MD, Associate Professor of Emergency Medicine

*ECHI Auditorium*

***Giuseppe Amore, MD, MPH and Ramsay Elhindi, MD, Department of Physical Medicine and Rehabilitation, ECU***

Warfarin Initiative for Post-Discharge Follow-Up and Management

***Samantha Curtis, M4, LINC Scholar, Brody School of Medicine***

Bilirubin turnaround time (TAT) in an outpatient pediatric clinic: improving efficiency of time-sensitive lab results

***Elaine Henry, MSN, RNC-NIC, Maynard Children's Hospital at VMC***

Creating a Sea of Safety: An Initiative to Reduce Hospital Acquired Conditions in a Children's Hospital

***Austin Rogers, MD, Department of Surgery, ECU***

The Value Of Thromboelastography-Platelet Mapping In The Timing Of Urgent Inpatient CABG

***Michael Zimmer, PhD, Systems and Procedures, Vidant Health***

Progression of Care Rounds—Tomorrow's Care Today

9:30-9:45 **BREAK**

9:45-10:30 **Quick Shot Podium Session**

Moderator: Niti Armistead, MD, Chief Medical Officer, Vidant Health

*ECHI Auditorium*

***Christopher Chase, M3, LINC Scholar, Brody School of Medicine***

Improving Diabetic Retinopathy Screening at ECU Family Medicine

***Annie Chen and Jonathan Bowling, MedServ Fellows, Department of Family Medicine, ECU***

ED Usage Reasons for Non-Urgent Health Concerns Identified by Patients at ECU Family Medicine

***Jennifer Fowler, RDN, CSP, LDN, Clinical Nutrition Service, VMC***

Decrease in Central Line Utilization with Improved Growth in VLBW Newborns Following Feeding Roadmap Implementation

***Nicolette Hines, BSN, RN, Vidant Duplin Hospital***

Cardiac Signals in a Box: Dedicated Telemetry Technicians

***Beverly Mott, BSN, RN, ECU College of Nursing***

Increasing Skin Cancer Awareness in Southeastern North Carolinian Farmers

***Allison Williams, M4, LINC Scholar, Brody School of Medicine and Jaclyn Havinga, MD, Neonatal-Perinatal Medicine Fellow, ECU***

Fluid Management Protocol to Ensure Adequate Diuresis in Extremely Preterm Neonates in the First Week of Life

10:30-12:00 **Poster Viewing Session**

*ECHI Atrium*

*Further opportunity for symposium attendees to view the quality improvement work that is being conducted throughout the Health Sciences Campus and Vidant Health System. We encourage you to visit with the poster presenters and engage in learning about their projects. \*\*\*\*\*No Credit for this session\*\*\*\*\**

12:15-1:15 **Keynote Presentation & Lunch**

*ECHI Conference Rooms A-D*

Moderator: Herbert Garrison, MD, MPH, Associate Dean for Graduate Medical Education, Professor of Emergency Medicine

**QUALITY: A NEVER-ENDING JOURNEY**

Speaker: Charles Harr, MD, MBA, Rear Admiral (RET), US Navy, Chief Medical Officer, WakeMed Health and Hospitals

1:15-1:45 **Awards, Judge's Comments, and Evaluation**

*ECHI Conference Rooms A-D*

Moderator: Herbert Garrison, MD, MPH, Associate Dean for Graduate Medical Education, Professor of Emergency Medicine

1:45-2:00 **BREAK**

2:00-4:00 **Concurrent Education Sessions**

I. **Pitch Perfect, ECHI Conference Room B**

Presenters: Amy Campbell, PhD (c), MSN, RN, LSBB, Quality Nurse Specialist III, John Kohler, MD, MBA, Senior Medical Director for Quality (VMC), Clinical Assistant Professor of Pediatrics, Division of Neonatology, Timothy Reeder, MD, MPH, Associate Professor of Emergency Medicine, and Dmitry Tumin, PhD, Research Associate Professor, Department of Pediatrics

Local quality improvement experts will be on hand to answer questions about your planned or on-going QI projects. The presenters will also be available to provide guidance for those evaluating project potentials. The objective is to provide real-time consultation to those actively or prospectively engaged in QI. Bring your process, implementation, interpretation questions to see if you can stump our experts!

II. **What's with all the metrics? Types of data, measures and common quantitative tools for QI, ECHI Conference Room A**

Presenters: Suzanne Lazorick, MD, MPH, Professor, Department of Pediatrics and Public Health, Joseph Pye, MD, Regional Vice President of Medical Affairs, and David Michael, MD, Chief Information Officer

After a short didactic session describing types of data used for quality and reimbursement, measures for quality improvement and useful tools for data visualization, participants will discuss the difference in types of data and practice the application of these concepts in a facilitated, small-group, case-based activity. The participants will use a real-life scenario to demonstrate the implications from and variation between types of data application. Participants will report out and discuss their recommendations with the entire group

III. **Population Health: What Is It and Why Is It Important?, ECHI Auditorium**

Presenter: Suzanne Lea, PhD, MPH, Associate Professor, Department of Public Health  
By the end of this session, participants will be able to identify the basic elements and definitions of population health, discuss successful population health initiatives, and learn strategies for implementing and testing population health initiatives.

4:00

**Adjourn**



### SYMPOSIUM JUDGES

**Patricia Anderson**, EdD, Professor, ECU College of Education

**Lorrie Basnight**, MD, Executive Director, Eastern AHEC, Associate Dean, Continuing Medical Education, Associate Professor, Department of Pediatrics, Brody School of Medicine

**Eric Bonner**, MD, Regional Medical Director, Vidant Medical Group

**Andrea Croley**, MA, Quality Director, Vidant Health

**Laurie Etheridge**, RN, Quality Nurse Specialist II, Vidant Medical Center

**Cliff Godwin**, MBA, Head Coach, ECU Baseball

**Amanda Higginson**, MD, Assistant Dean for Student Affairs, Clinical Associate Professor, Department of Pediatrics, Brody School of Medicine

**Julie Oehlert**, DNP, RN, Chief Experience Officer, Vidant Health

**Joseph Pye**, MD, Regional Vice President of Medical Affairs, Vidant Health

**Peter Schmidt**, PhD, Vice Dean, Brody School of Medicine

**Mary Catherine Turner**, MD, Clinical Associate Professor, Medicine-Pediatrics Residency Program Director, Department of Pediatrics, Brody School of Medicine

**Charlene Turnage**, RN, MSN, Quality Nurse Specialist III, Vidant Health

**Danielle Walsh**, MD, Associate Professor of Surgery, Brody School of Medicine

### POSTER PRESENTATIONS

**Noopur Doshi, M4, LINC Scholar, Brody School of Medicine, Gregory Knapp, MD, Department of Family Medicine, Amy Campbell, RN, MSN, Vidant Medical Center and Hazel Pennington, RN, MSN, Vidant Medical Center**  
Assessment of Alert Fatigue and Utility of Modified Early Warning System (MEWS) at Vidant Medical Center (VMC)

**Laurie Etheridge, RN, Quality Nurse Specialist II, Vidant Medical Center and Danielle Walsh, MD, Department of Surgery**  
NSQIP-Pediatric Participation Aides in Decreasing Post-op SSI's

**Juhi Gor, M3, LINC Scholar, Brody School of Medicine, Timothy Powell, MD, Department of Pediatrics, Donna Spain, ECU Physicians, and Erica Turner, ECU Physicians**  
Targeting Hemoglobin A1c Levels, Retinopathy, and Neuropathy to Improve the Health of Adult Diabetic Patients in Eastern North Carolina

**Kim Joyner, MAEd, BS, RHIA, ECU Student Health, Emily Stevens, MS, and Carol Wilson, ANP, RN, ECU Student Health**  
Is It in Your Mouth? The Importance of Pharyngeal STI Testing

**Jonathan LeCrone, M4, LINC Scholar, Brody School of Medicine, Steven Taylor, Brody School of Medicine, and Roberto Portela, MD, Department of Emergency Medicine**  
Reducing Door-to-CT Times for Acute Stroke Patients: A Quality Improvement Initiative

**Shiva Poola, MD, Michael Freiberg, MD, Ruhiiyih Kilgore, MD, Jennifer Chu, MD, Anna Laughman, MD, Riju Narayan, MD and Mary Catherine Turner, MD, Department of Pediatrics**  
Influenza Vaccination Rates: Did We Do Better?

**Michael Zimmer, PhD, Systems and Procedures, Vidant Health**  
Decedent Care: Post-Mortem Processes



### **WORKS IN PROGRESS POSTER PRESENTATIONS**

**Ashley Choe, MD, MBA, Durga Pemmaraju, MD, Brett Starr, MD, Stephen Peirce, MD, Dmitry Tumin, PhD, and Herbert G. Garrison, MD, MPH**

Standard Documentation of Contact Information to Improve Resident-Nurse Communication

**Kathryn Clary, M3, Brody School of Medicine, Kaitlyn Vinson, M3, Brody School of Medicine, Caroline Miller, Department of Health Psychology, and Kayla Neal, College of Nursing**

Screening for Social Health needs: A Quality Improvement Project at ECU Family Medicine

**Emily Krangel, M3, Brody School of Medicine, Erica Shartle, Darby Bagshaw, Hannah Smith, M3, Service-Learning Scholar, Brody School of Medicine, and Emily Midgette**

Improving Diabetes Management by Assessing Barriers to SuperSNAP Program Utilization in Patients with Uncontrolled Diabetes: A Quality Improvement Project at the Roanoke Chowan Community Center

**Chantel Morey, M4, LINC Scholar, Helen M. Johnson, MD, Lauren Geisel, BS, Andrew Weil, MD, Mahvish Muzaffar, MD, Nasreen A. Vohra, MD, Phyllis DeAntonio, RN, Jan H. Wong MD, Brody School of Medicine**

Breast Cancer Conference Template Improves Documentation of Clinical Staging

**Arjun Patel, M3, LINC Scholar, Brody School of Medicine, and Ryan Moore, MD, Department of Pediatrics**

Improving 1-Month Hepatitis B Vaccination Timeliness in Very Low Birth Weight Infants in the NICU: Assessment of Provider Knowledge and Perception

**Sanjana Prabhu, M3, LINC Scholar, Brody School of Medicine, Suzanne Lazorick, MD, MPH, Department of Pediatrics, and David Collier, MD, PhD, Department of Pediatrics**

Improving Communication of Lab Results to Patients at the Pediatric Healthy Weight Clinic (HWC)

**Jedediah Smith, MS, Office of Data Analysis and Strategy, Jhojana Infante Linares, Office of Data Analysis and Strategy, Irma Corral, PhD, Office of Diversity Affairs, Kendall Campbell, MD, Division of Academic Affairs, and Cedric Bright, MD, Office of Admissions**

The Faculty Diversity Snapshot Report: Development of a Quality Improvement Tool for Medical School Faculty Diversity

**Greyson Vann, M3, LINC Scholar, Brody School of Medicine and Jennifer Bennett, MD, Department of Emergency Medicine**

Standardized Patient Sign-Out in the Emergency Department

**Bennett Wall, MBA, Vidant Medical Center, Clayton Parker, FNP, Vidant Medical Center, Dmitry Tumin, PhD, Department of Pediatrics, Rhonda Stanley, SW, Vidant Medical Center, Lana Warren, BSRT-NPS, Vidant Medical Center, Kathy Deal, RN, Vidant Medical Center, Tara Stroud, NNP-BC, Vidant Medical Center, Kim Crickmore, PhD, RN, Vidant Medical Center, and Matthew Ledoux, MD, Department of Pediatrics**

Efficacy of a care coordination program for children with complex chronic conditions discharged from a rural tertiary-care academic medical center

### **ACCREDITATION:**

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Brody School of Medicine at East Carolina University and Vidant Medical Center Quality Office. The Brody School of Medicine at East Carolina University is accredited by the ACCME to provide continuing medical education for physicians.

**Credit:** The Brody School of Medicine at East Carolina University designates this live activity for a maximum of 5.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Please note, CME credit will not be awarded during the poster viewing session.

### **PARKING**

Parking is reserved for non-ECU attendees in the SM-27 lot across from the geriatrics entrance of the ECU Family Medicine Center. All ECU Faculty, Staff, and Students should park in your normal designated parking area.



**ADDITIONAL INFORMATION**

Handouts will be available online only. One week prior to the program, registrants will receive a confirmation email with instructions to access handouts along with other program information.

Evaluations will be emailed after the program. Once the evaluation has been completed, your certificate will be available.

Individuals requesting accommodation under the Americans with Disabilities Act (ADA) should contact the Department of Disability Support Services at (252) 737- 1016 (V/TTY) at least five business days prior to the program.

By attending this event, I acknowledge that Eastern AHEC staff and/or their designees including news media may take general (not close-up) photos or videos of this event for marketing/publicity purposes, and I further allow my likeness to be used in this manner. If I do not wish to appear in these photos or videos, I understand that it is my responsibility to notify Eastern AHEC staff so my preference can be met.

To view the slides and posters from today's presentations enter the link <https://medicine.ecu.edu/medicaleducation/reach-qi-symposium/> into your web browser or scan the QR code.

