



3rd Annual Unified Quality Improvement Symposium
Hosted by The REACH Initiative and Vidant Health Quality Office
East Carolina Heart Institute at ECU
February 6, 2019

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

James H. Johnson Jr., PhD—William R. Kenan Jr. Distinguished Professor of Strategy and Entrepreneurship and Director, Urban Investment Strategies Center, Kenan-Flagler Business School, University of North Carolina at Chapel Hill

James H. Johnson Jr. is the William R. Kenan Jr. Distinguished Professor of strategy and entrepreneurship and director of the Urban Investment Strategies Center at the Frank Hawkins Kenan Institute of Private Enterprise. His research interests include community and economic development, the effects of demographic changes on the U.S. workplace, interethnic minority conflict in advanced industrial societies, urban poverty and public policy in urban America, and workforce diversity issues. Dr. Johnson and Dr. John D. Kasarda coauthored "The Economic Impact of the African American Population on the State of North Carolina" and a study on the economic impact of North Carolina's Hispanic population. With support from the Russell Sage Foundation, Dr. Johnson published research on the economic impact of Sept. 11 on U.S. metropolitan communities. Currently he is researching the economic and employment impact of white-collar job shifts offshore on U.S. competitiveness. Dr. Johnson examines the causes and consequences of growing inequality in American society, particularly as it affects socially and economically disadvantaged youth; entrepreneurial approaches to poverty alleviation, job creation, and community development; inter-ethnic minority conflict in advanced industrial societies; and business demography and workforce diversity issues. Fast Company profiled him in "Hopes and Dreams." He has published more than 100 scholarly research articles and three research monographs and has co-edited four theme issues of scholarly journals on these and related topics. His latest book is "Prismatic Metropolis: Inequality in Los Angeles." He received his PhD from Michigan State University, his MS from the University of Wisconsin at Madison and his BS from North Carolina Central University.

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

8:00-8:15 **Registration and Refreshments**

ECHI Atrium

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

Danielle Walsh, MD, Associate Professor of Surgery

ECHI Auditorium

8:30-10:00 **Podium Session I**

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

ECHI Auditorium

8:30-8:45—Christina Miller, BSN, RN, MBA and Katie Knowles, RN, Vidant Duplin Hospital

One Team, One Dream: Brain Matters Improving Stroke Care in Rural Eastern NC

8:45-9:00—Jennifer Sutter, MD, Department of Pediatrics, ECU

ECU Physicians Pediatric Endocrinology New Patient Referrals: Streamlining the Referral Process to Improve Patient Access

9:00-9:15—Sandra Bullock, BSN, RN and Nichole Bradley, ABA, Vidant Home Health and Hospice

Medication Reconciliation in the Home Care Setting

9:15-9:30—Jason Holbrook, M4, LINC Scholar, Brody School of Medicine

Modified Early Warning System

9:30-9:45—Timothy Powell, MD, Department of Medicine-Pediatrics, ECU

Diabetes Care

9:45-10:00—Sherrill Beaman, RHA, CPHQ, MPH and Libbe Sasser, RN, BSN, Vidant Edgecombe Hospital

Reducing the Spread of MRSA and C. Diff in a Community Hospital

10:00-10:15 **BREAK**

10:15-11:45 **Podium Session II**

Moderator: Teresa Anderson, PhD, RN, NE-BC, Vice President, Quality, Vidant Health

ECHI Auditorium

10:15-10:30—Mott Blair, MD and Kimberly Villanueva, Vidant Family Medicine—Wallace

MyChart Signup and Usage in Patients with Type 2 Diabetes

10:30-10:45—Ryan Moore, MD, Department of Pediatrics, ECU

Neonatal Intubations: Standardizing care to enhance success and decrease risk factors for a high-risk procedure in the Neonatal Intensive Care Unit

10:45-11:00—Eric Bonner, MD and Megan Booth-Mills, FACHE, Vidant Medical Group

Hemoglobin A1C Improvement in African-American Diabetics Through Healthy Cooking Techniques

11:00-11:15—Valencia Quiett, M4, LINC Scholar and Ciarra Dortche, MPH, Department of Internal Medicine, ECU

Routine, Opt-Out HIV Testing in VMC Emergency Departments

11:15-11:30—Todd Jackson, PharmD, MHA and Drillious Gay, RN, MSN, ECU Physicians

Increasing Breast Cancer Screening in the Primary Care Setting Utilizing a Team Approach

11:30-11:45—John Kohler, MD and Cindy Keel, CPNP-AC, MSN, RN, Department of Pediatrics, ECU

Improving Mobilization Orders in Critically Ill Pediatric Patients as part of PICU Up!™ implementation in a rural, academic, combined PICU

11:45-1:00

Keynote Presentation & Lunch*ECHI Conference Rooms A-D*

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

Speaker: James H. Johnson Jr., PhD, William R. Kenan Jr. Distinguished Professor, Kenan-Flagler Business School, University of North Carolina at Chapel Hill

BRACING FOR THE SILVER TSUNAMI: GOLDEN DIVIDENDS AND STRATEGIC BUSINESS OPPORTUNITIES

Nowhere is the urban-rural divide more evident than in the aging of North Carolina's population. In fully one-half of the state's counties, which are mostly rural, deaths exceed births and out-migration exceeds in-migration. These counties are literally dying while most of the state's population growth is concentrated along the I-40/I-85 corridor in mainly two urban counties (Mecklenburg and Wake). Herein lies a propitious opportunity. Aging can be a new engine for innovation, business development, and employment growth, which can potentially eliminate the urban-rural divide and improve the health and wellbeing of our state's population. American Community Survey data are used to illustrate both the challenges and opportunities inherent in North Carolina's aging population.

1:00-2:00

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.

2:00-3:30

Concurrent Education Sessions**I. Quality 2020, ECHI Conference Room**

Presenters: Joan Wynn PhD, RN, Chief Quality Officer, Vidant Health, Lou Reida, MSN, RN, Vice President, Quality, Vidant Health, and Teresa Anderson, PhD, RN, NE-BC, Vice President, Quality, Vidant Health

Participants in this session will learn what's new in the national healthcare environment and how that informs creation of our Enterprise Quality plan for 2020. Participants will brainstorm quality priorities and strategies.

II. Practical Application of Common Quality Improvement Tools, ECHI Conference Room

Presenters: Tim Reeder, MD, MPH, Associate Professor of Emergency Medicine, John Kohler, MD, MBA, Vice Chair for Quality, Clinical Assistant Professor of Pediatrics, Division of Neonatology, and Amy Campbell, PhD (c), MSN, RN, LSBB, Quality Nurse Specialist III

After a short didactic session describing commonly used quality improvement tools, participants will practice the application of these tools in a facilitated, small-group, case-based activity. The participants will use a real-life scenario to analyze and develop a process improvement plan. Some of the tools to be used may include a fishbone diagram, process map, selection of data measures, global and aim statement, and creation of a PDSA cycle. Participants will report out and discuss their recommendations with the entire group.

III. Transforming Quality Initiatives into Scholarship, ECHI Auditorium

Presenter: Danielle Walsh, MD, Associate Professor of Surgery

Transform your quality improvement efforts into scholarly products that advance your professional and academic career! We'll take your plans, techniques, resources, and opportunities to advance from being on a QI project team to leveraging your QI work for professional promotion.

3:30-4:00

Judges' Comments, Awards, and Evaluation

Moderator: Joan Wynn PhD, RN, Chief Quality Officer, Vidant Health

ECHI Auditorium

SYMPOSIUM JUDGES

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

Kendall Campbell, MD, Interim Senior Associate Dean for Academic Affairs, Associate Dean for Diversity and Inclusion, Brody School of Medicine

Dorothea Handron, EdD, APRN, Associate Professor Emerita, College of Nursing

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

Linda Hofler, PhD, RN, NEA-BC-FACHE, Senior Vice President – Nurse Executive, Vidant Medical Center

Caroline Houston, MD, Clinical Assistant Professor, Department of Internal Medicine, Brody School of Medicine

Toni Johnson, MD, Clinical Associate Professor, Vice-Chair and Residency Training, Department of Psychiatry and Behavioral Medicine, Brody School of Medicine

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

Joseph Pye, MD, Medical Director, Vidant Medical Group, Medical Director of Health Informatics, 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

POSTER PRESENTATIONS

Bradley Beamon, MD, Department of Pediatrics, Brody School of Medicine

Patient Scheduled Hospital Discharge Follow Up Appointments

Alex Fender, M4, SHAPE Scholar, Brody School of Medicine

Colorectal Cancer Screening Project at the ECU Family Medicine Center Pirate Module

Samantha Forlenza, M3, LINC Scholar, Brody School of Medicine

Bilirubin Turnaround Time in an Outpatient Pediatric Clinic: Improving Efficiency of Time-Sensitive Lab Results

Megan Goss, RN II, BSN, CVIU, Vidant Medical Center

A multidisciplinary Approach to Implementing Falls Safety

Lisa Hager, MBA, ECU Family Medicine Division of Research, Brody School of Medicine

Scholars for Healthcare Advancement and Process Excellence (SHAPE) Program

Gabrielle Kattan, M2, Brody School of Medicine

Implementing the BabyPASS (Patient Antenatal Support System) to Promote and Optimize Record Transition Between a County Health Department and Tertiary-Care Academic Center

Aisha Kousar, MD, Pathology Resident, Brody School of Medicine

Laboratory Methodology Testing Change Due to Increase in HIV Screening in Emergency Department

Anna Laughman, M4, LINC Scholar, Brody School of Medicine

A Quality Improvement Project Focused on Diabetic Foot Exam Screening Rates in the ECU Outpatient Med-Peds Clinic

Sudeep Mehta, MD, Physical Medicine and Rehabilitation Resident, Brody School of Medicine

Improving Rehabilitation Documentation for Medical Complexity

Jennifer Newcome, MD, Medicine-Pediatrics Resident, Brody School of Medicine

From Purple to Pink: Improving Breast Cancer Screening Rates at ECU Med/Peds Resident Clinic

Michael Ritchie, MD, Department of Internal Medicine, Brody School of Medicine

IMPROVE Movement: The Supplemental Exercise Program to Enhance ICU Mobility

Morgan Sauls, RN-BC, Neuroscience Intermediate Unit, Vidant Medical Center

A Collaborative Approach to Increase Team Member Engagement on NSIU

Katherine Sells, BSN, RN, ECU College of Nursing

Adverse Childhood Experiences (ACEs) in Pregnancy: Screening, Identification, and Referral

Vivek Sindhi, MD, MBA, Physical Medicine and Rehabilitation Resident, Brody School of Medicine

Reducing the Amount of At-Risk Medicare Reimbursement Dollars: A Novel Method for Inpatient Rehabilitation
Attending Physicians to Increase Their Completion Rate of Post Admission Physician Evaluation Documentation

Amber Whitley, M2, LINC Scholar, Brody School of Medicine

Reducing Cryoprecipitate and Plasma Waste at Vidant Medical Center

Audy Whitman, MD, Department of Family Medicine, Brody School of Medicine

Improving ACO Quality Spotlight measure performance on ECU Family Medicine clinic residency modules by incorporating formalized QI education and training into residency curriculum” – or REALQuICK “Resident Education and Application of Learning Quality Improvement Concepts and Knowledge

Wesley Yang, M4, SHAPE Scholar, Brody School of Medicine

Increasing Colorectal and Cervical Cancer Screening Rates: A Quality Improvement Project at the Craven County Community Health Center

Xiaoming Zeng, MD, PhD, Department of Health Services and Information Management, ECU College of Allied Health Sciences

Using Discrete Event Simulation to Identify Bottlenecks and Improve Patient Flow in a High-Risk OB Clinic

WORKS IN PROGRESS POSTER PRESENTATIONS

Jubayer Ahmed, M3, LINC Scholar, Brody School of Medicine

Routine Monitoring of the Quick Inventory of Depressive Symptomatology (QIDS-SR16) in Clinic Patients with Major Depressive Disorder

Ehab Alhosaini, Vidant Medical Center Heart Failure Program

Impact of Transportation Access on Healthcare Delivery in a Rural Healthcare System

Kathleen Bryant, MD, Department of Emergency Medicine, Brody School of Medicine

Improvement of Quality of Care and Efficiency in Pediatric Asthma Treatment by Utilization of a Standard CED Asthma Care Pathway

Christopher Crotty, MBA, M4, LINC Scholar, Brody School of Medicine

High Quality Pitt-Crew CPR: Doing the Ordinary Extraordinarily Well

Keli Hurley, RN, MSN, CCM, NE-BC, Vidant Wound Healing Center

Decreasing unnecessary wound visits to Vidant Emergency Department through transition of care to the Wound Healing Center

Jason Mose, PhD, MBA, MS, CHFP, Department of Health Services and Information Management, ECU College of Allied Health Sciences

Improving Emergency Department Utilization Risk Scoring



Jennifer Stahl, MD, Department of Internal Medicine, Department of Emergency Medicine, Brody School of Medicine

Let Them Eat Cake: Nursing Dysphagia Screening at Bedside for Efficient Return to PO Status

Shiva Poola, MD, Internal Medicine-Pediatrics Resident, Brody School of Medicine

Improving Influenza Vaccination Rates in an Outpatient Setting

Jan Wong, MD, and Helen Johnson, MD, General Surgery Resident, Department of Surgery, Brody School of Medicine

Enhancing the Electronic Health Record to Improve the Quality of Breast Cancer Care in a Rural Health Care System

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 of East Carolina University is accredited by the ACCME to provide continuing medical education for physicians.

Credit: The Brody School of Medicine of East Carolina University designates this live activity for a maximum of 5 *AMA PRA Category 1 Credit(s)*[™]. 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.

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.

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.

To view the slides and posters from today's presentations enter the link into your web browser or scan the QR code <http://www.ecu.edu/reach/qiSymposium.cfm>

