

JUNE 1, 2024

Collaborative-Wide Meeting

When: FRIDAY JUNE 7, 2024

**Where: AMWAY GRAND PLAZA
 PANTLIND BALLROOM
 187 MONROE NW
 Grand Rapids, MI 49503**

In this issue:

- June 2024 Collaborative Wide Meeting INFO
- Directors' Column
- Guest Speaker BIO
- Employee Spotlight
- MEDIC Impact Summary
- Welcome New Sites
- Dates to Remember



Directors' Column

We are looking forward to seeing everyone in person again at the upcoming MEDIC Collaborative-wide meeting in Grand Rapids on June 7th! There is a lot going on in MEDIC as we continue to grow our membership and collaborate with other CQIs, finalize changes to existing QI initiatives and pilot test new work. At our upcoming meeting we will introduce new faces within the Coordinating Center and partnerships that will steer our pilot programs in Pediatric Readiness and enhanced ED screening for HIV.

Please also take a moment to greet colleagues new to MEDIC who could certainly benefit by learning from you. MEDIC's goal is to bring you, our members and ED patients, the best ideas, evidence and data to power your everyday work. We are happy to add the elbow grease and data analytics to bring a clearer lens to better understand trends across the Collaborative and offer insight on strategies for implementation in your setting. Collaboration among research faculty within the Coordinating Center and other CQIs is fueling a growing body of research to inform ED practice, hone further questions and influence change – more on that at the upcoming meeting.

As always thank you for your continued dedication to this team effort as we recognize external forces continue to add stress to your daily work (aka cybersecurity, mergers, staffing, and patient volume increases). See you soon and don't forget Happy Hour Thursday evening if you can make it.

- Michele & Keith

Guest Speaker - MEDIC Collaborative Wide Meeting, JUNE 7, 2024

**Sam Mishra DO, MPH
 Emergency Medical Services
 Children Coordinator at MDHHS**

Dr. Mishra is the EMS for Children Program Coordinator, within the Division of EMS and Systems of Care at the Bureau of Emergency Preparedness, EMS, and Systems of Care within the MDHHS



She graduated from Michigan State University where she earned both post-graduate degrees of Master of Public Health and Doctor of Osteopathic Medicine and completed her emergency medicine training at Henry Ford Allegiance Health - Jackson

Dr. Mishra serves on multiple National academic and professional organizations and advisory councils to support improved pediatric readiness across the continuum of care including EMS, emergency departments, trauma, injury prevention and disaster preparedness arenas.

EMPLOYEE SPOTLIGHT!



Sam Kesterson is new to the MEDIC team as the Project Coordinator for the HIV prevention and pediatric readiness programs. She received her Master's Degree in Social Work from the University of Michigan and sees patients as an LMSW.

Beyond clinical work, Sam has expertise in community health education with experience in telehealth, startups, and school based and community based prevention programs for high risk adolescents.

Beyond professional work, Sam has an excitable year and a half old golden retriever, enjoys home renovation projects, and relaxes by working on various art projects and doing puzzles. She loves to connect with others personally and professionally and is looking forward to continued collaboration.

Michigan Emergency Department Improvement Collaborative

To improve and advance the delivery of emergency department (ED) care across Michigan



Launched in 2015, MEDIC is an integrated adult and pediatric, emergency medicine-led Collaborative Quality Initiative supported by Blue Cross Blue Shield of Michigan and Blue Care Network. MEDIC leverages shared knowledge and experience with timely feedback on quality measure performance to improve patient care.

Participating EDs submit data to a clinical registry maintained by the Coordinating Center, and together they collect and analyze data, identify best practices, and improve collective performance.

Performance:



Avoided chest CT scans in adults with suspected pulmonary embolism 2017-2023



Avoided head CTs for minor head injury patients of all ages 2017-2023



Avoided chest X-rays in children with asthma, bronchiolitis, or croup 2017-2023



Avoided hospital admissions in adults with low-risk chest pain 2020-2023

Initiative updates:

- Building best practices to:
 - Reduce unnecessary imaging in the ED and unnecessary patient exposure to risks of hospitalization
 - Increase safe discharge rates from the ED
 - Leverage key intervention opportunities within the ED setting to improve population health, increase health equity, and address social determinants of health
- Collaborating with Michigan Department of Health & Human Services to increase ED HIV/STI screening
- Collaborating with Michigan Emergency Medical Services for Children to improve pediatric readiness in Michigan EDs



Naloxone kits distributed to patients at risk for harm from opioids Nov 2022 – Dec 2023



Instances of smoking cessation counseling for adult ED patients with COPD Nov 2022 – Dec 2023

MEDIC Quality Initiative*	↑ diagnostic yield in CT scans for suspected pulmonary embolism	↑ appropriate use of head CT scans in adult minor head injuries	↓ use of chest x-rays in children with asthma, croup, or bronchiolitis	↓ use of head CT scans in intermediate risk pediatric minor head injuries	↑ rate of safe discharge for adults with low-risk chest pain from the ED
MEDIC-Endorsed Practice	Pause Pre PE Algorithm	Canadian CT Head Rule	Clinical Considerations for CXR in Children w/ Asthma, Croup, or Bronchiolitis	PECARN Minor Head Injury CT Rule	HEAR+T Pathway
Low Value Care Avoided†	8,647 chest CT scans avoided in adults with suspected PE, 2017-2023	19,570 head CT scans avoided in adults with minor head injury, 2017-2023	14,918 chest x-rays avoided in children with asthma, bronchiolitis, or croup, 2017-2023	1,236 head CT scans avoided in children with minor head injury, 2017-2023	4,086 hospital admissions avoided in adults with low-risk chest pain, 2020-2023**
Estimated Cost Avoided	\$1324/scon* \$11.44 million	\$933/scon* \$18.25 million	\$174/x-ray* \$2.59 million	\$933/scon* \$1.15 million	\$15,000/admit** \$61.29 million

*Estimated cost/scan & cost/x-ray from JAMAHealthcare.com.org, 01-10-2022, as performed at a hospital outpatient facility without anesthesia, for an insured patient by an in-network provider
**Estimated avoided scans, x-rays, hospital admissions calculated using the difference between baseline performance prior to MEDIC interventions & current improved performance
†MEDIC quality initiative for discharge of children with asthma is still in the pilot phase & thus not included here
‡These quality initiatives only active until 2025

The William G. Barsan Emergency Medicine Research Forum, held on April 10, 2024, included a presentation from Keith Kocher titled "Emergency Department Based Episodes of Care: A Novel Approach to Understanding Our Value" as well another presentation from Alex Janke titled "The Science of Diagnostic Errors and Opportunities in Emergency Medicine".



Andy Scott was chosen as this year's recipient of the "Departmental Exceptional Research Staff Award!" Since joining MEDIC as the senior project manager in 2019, his leadership has been instrumental in driving the program's significant growth and impact over the past five years.



His dedication to MEDIC, coupled with a genuine concern for the well-being of every team member and the overarching goals of MEDIC's work, has not gone unnoticed. Under his guidance, MEDIC has fostered an environment where the core values of compassion, integrity, and inclusivity flourish. He exemplifies these values daily and is champion of a collaborative work culture that emphasizes mutual respect and shared objectives. Your contributions have been vital to the success of our department's research mission."

Follow Us On Social Media. Watch Videos. Read Articles



Twitter Handle: @medic_qi
Twitter Page: https://twitter.com/medic_qi



YouTube Channel: MEDIC CQI
YouTube Channel Page: https://www.youtube.com/channel/UC1FT-LfjsNO5oHs_fllFoBA/

Please join us in welcoming New Sites

- ** Ascension Borgess-Pipp Hospital
- ** MyMichigan Medical Center
- ** OSF St. Francis Hospital & Medical Group
- ** Trinity Grand Haven Health Medical Center



Dates to Remember:

- Friday, June 7, 2024 Executive Committee Meeting Amway Grand Plaza Hotel Grand Rapids, MI @ 8:00am
- Friday, June 7, 2024 Collaborative Wide Meeting Amway Grand Plaza Hotel @ 10:00am
- Wednesday, June 12, 2024 Data & Publication Committee Call @ 10:00am via ZOOM
- Monday, June 24, 2024 Executive Committee Call @ 1:00pm via ZOOM
- Tuesday, September 10, 2024 Pediatric Committee Call @ 8:00am via ZOOM
- Tuesday, October 1, 2024 Clinical Champion Call @ 8:00am via ZOOM
- Thursday, October 24, 2024 Data & Publication Committee Call @ 10:00am via ZOOM
- Friday, October 25, 2024 Executive Committee Meeting @ 8:30am at Weber's Boutique Hotel, Ann Arbor, MI
- Friday, October 25, 2024 Collaborative Wide Meeting @ 10:00am at Weber's Boutique Hotel, Ann Arbor, MI
- Tuesday, January 7, 2025 Pediatric Committee Call @ 8:00am via ZOOM
- Tuesday, January 21, 2025 Clinical Champion Call @ 8:00am via ZOOM
- Friday, February 21, 2025 Collaborative Wide Meeting @ 10:00am via ZOOM

Please contact **Christie Radden** (chrradden@med.umich.edu) for meeting invitations