







Thank You

My Michigan Health Alpena ∠Clare -Gladwin West Branch **Sparrow** .Midland Trinity Health Oakland Hospital Trinity Health Corewell Muskegon Hospital Grand Rapids Hospital Health Farmington Hills Grosse Pointe Corewell Royal Oak Health[®] Trinity Health Livonia Hospital **HENRY** UNIVERSITY OF MICHIGAN HEALTH-WEST FORD HEALTH: - Holland Detroit Hospital Macomb West Bloomfield Wyandotte Corewell **BRONSON** HENRY Health Dearborn Battle Creek **FORD** MICHIGAN MEDICINE Trinity Health Taylor HEALTH: Trenton Allegiance Health Ann Arbor Hospital Chelsea Hospital Livingston Hospital

2022 Michigan Sites

Welcome



- Alpena
- Clare
- Gladwin
- Gratiot
- West Branch



- Carson
- Clinton
- Eaton
- Ionia

Our Team



Meridith Bailey, MSN, RN



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ADMINISTRATIVE
PROGRAM MANAGER

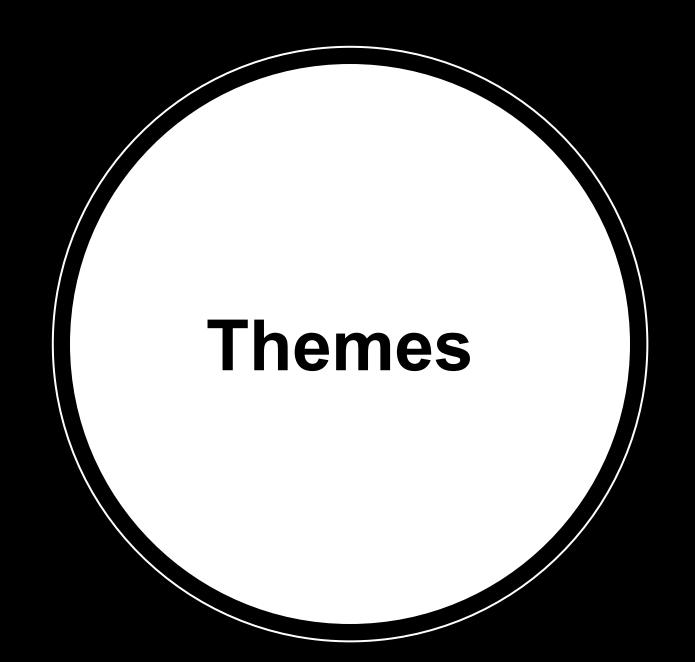


Tiffany Malenfant, MSN, RN-BC CLINICAL INFORMATICS

SPECIALIST



Mike Mathis, MD
RESEARCH
DIRECTOR



Sustainability



Environmentally sustainability - how can anesthesia providers play a role in reducing greenhouse gas emissions, while potentially reducing costs?

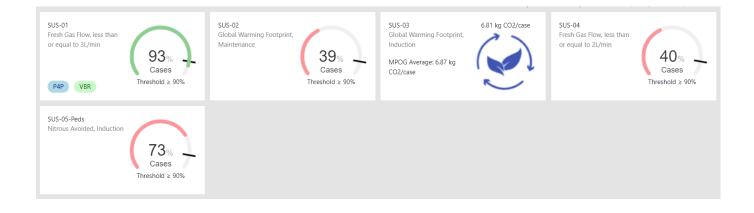
SUS 01 – low fresh gas flow

SUS 02 – global warming footprint - maintenance

SUS 03 – global warming footprint - induction

SUS 04 – lower fresh gas flow

SUS 05 (Peds) – avoiding nitrous oxide – induction



Now Available!

https://mpog.org/toolkits/





Acute Kidney Injury (AKI)

Click Here



Acute Respiratory Complications

Click Here



Perioperative Transfusion Stewardship

Click Here



Postoperative Nausea and Vomiting (PONV)

Click Here



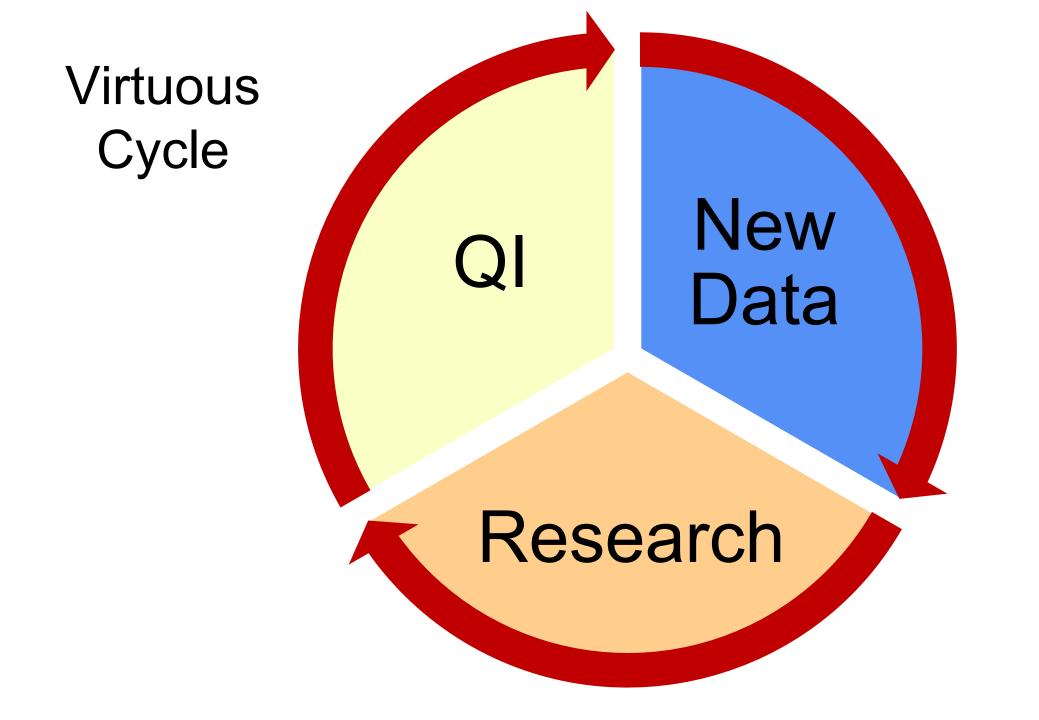
Surgical Site Infection

Click Here



Sustainability Toolkit

Click Here



Cognition

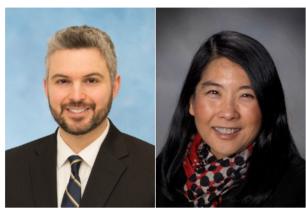


How does surgery affect cognition?	Dr. Whitlock
How often do we assess cognition in the immediate pre-operative period?	Dr. Abess and team, MPOG research project
Are we adequately assessing delirium post-operatively?	Dr. Vlisides
How can ASPIRE assess geriatric anesthetic quality?	MPOG geriatric anesthesia workgroup

FAM-HELP to prevent delirium

Researchers from the University of Michigan and Marcus Institute for Aging Research receive more than \$13 million in funding to study the prevention of delirium in older adults

The study is funded by the Patient-Centered Outcomes Research Institute.



University of Michigan's Phillip Vlisides, M.D., and the Marcus Institute for Aging Research's Sharon Inouye, M.D., MPH, are co-principal investigators on a new study on preventing delirium in older patients.

For older adults, a hospital admission or major surgery includes risk of developing delirium — a complication not only marked by confusion or agitation, but also associated with prolonged hospitalization, cognitive and functional decline, and increased mortality.

A new study led by the Hinda and Arthur Marcus Institute for Aging Research at Hebrew SeniorLife, a Harvard Medical School affiliate, and the University of Michigan Medical School Department of Anesthesiology will test whether family caretaker support provided at the hospital bedside can reduce risk of delirium and its related complications and improve outcomes for patients and their families. The Patient-Centered Outcomes Research Institute (PCORI®) has approved \$13.25 million in funding to support the study.

Improved feedback



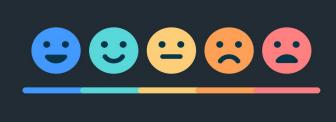
Does a more targeted message in the provider feedback email improve measure compliance?

Principal Investigator - Zach Landis Lewis PhD

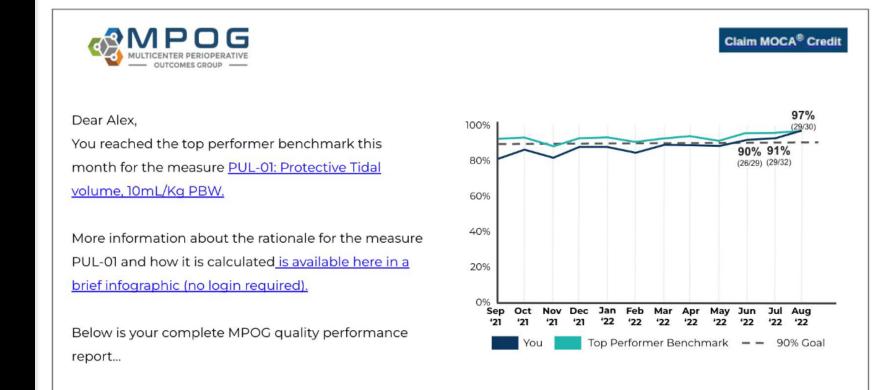
~Year 1 - Interviewing providers about their preferences for feedback and building a "pipeline" from/to ASPIRE provider feedback emails

- ~Year 2 and 3 Conducting a trial with control (existing emails) and intervention (updated) emails
- ~Year 4 disseminating results

Precision Feedback Trial

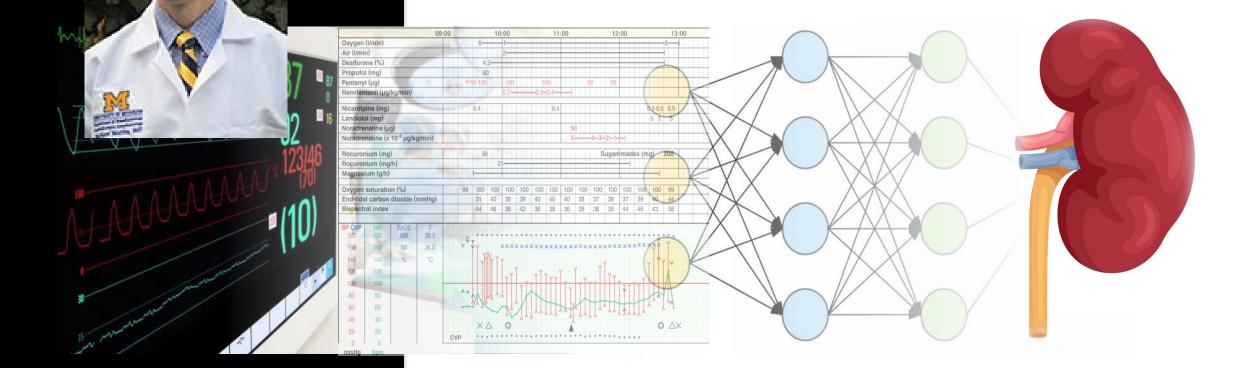


- Pilot Trial September 2023
- 4 sites 2 community and 2 academic
- National trial (including MI sites Spring 2024)



CURB - AKI





The Problem

15-30% of patients undergoing cardiac surgery develop acute kidney injury (AKI)



The Big Questions

- Why do these 15-30% develop AKI?
- What actions try to reduce AKI?
- Which set of actions is most effective for which patient?
- By suggesting "optimal" actions, can we improve on the status quo?



Solution: CURB-AKI

Aim 1

Characterize
Practices
Related to AKI

- Fluids / Blood Products
- Hemodynamic Medications
- Insulin/glycemic control
- Thermoregulation
- ...etc.





Cardiac Surgery Patient



Subgroup A



Subgroup B



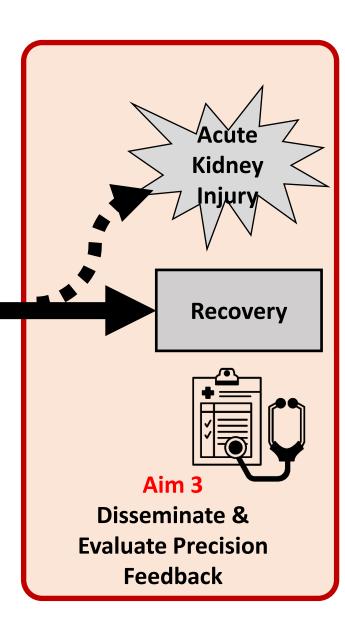
Subgroup C



...etc.



Estimate Impact of Individualized Care for Heterogenous Subgroups





Afternoon session

If you are attending the ASPIRE afternoon performance review session, please fill out a confidentiality agreement.

If you do not have one, obtain at the registration table. You'll need it to enter the auditorium.



Congrats Sachin!



Induction into the National Academy of Medicine

Kevin K. Tremper Professor of Anesthesiology

For being an international leader in anesthesiology informatics and clinical research. His leadership of the Multicenter Perioperative Outcomes Group (MPOG), with data on more than 16 million patients from more than 50 hospitals across multiple countries and dozens of states, has transformed the field through international epidemiologic studies, national personalized quality improvement implementation, pragmatic clinical trials, and data science.