MPOG
MULTICENTER PERIOPERATIVE OUTCOMES GROUP

9:00 – 9:30	**Welcome and Updates** Nirav Shah, MD
9:30 – 10:30	**How to Implement Quantitative Neuromuscular Monitoring into Your Practice** Ross Renew, MD Mayo Clinic, Florida
10:30 – 10:45	**Break**
10:45 – 11:30	**Reimagining our Patients and Their Care** Afton Hassett, PsyD Michigan Medicine
11:30 – 12:00	**QI Stories** **PAIN-01:** Chris Wedeven, MD and Amy Poindexter, BSN, RN Holland Hospital **PONV-05:** Bryan Cohen, MD and Kim Finch, MSN, RN Henry Ford Health System – West Bloomfield

Welcome!

We will begin shortly…

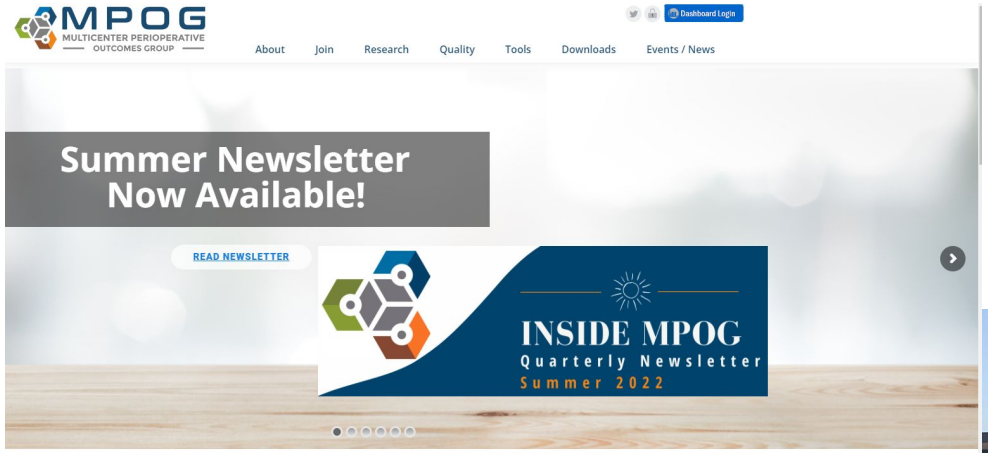
ASPIRE Collaborative Meeting

July 14th 2023

THANK YOU!

Post Meeting Information on our website

- Presentation slides, notes, and recordings
- CME Information



Please note, the Performance Review information will not be recorded

Featured Member
July and August

MORE INFO

Wendy Owens, MSN, RN
MyMichigan Health

Upcoming Events

ACQR Retreat

September 15, 2023

DoubleTree Hotel, Ann Arbor

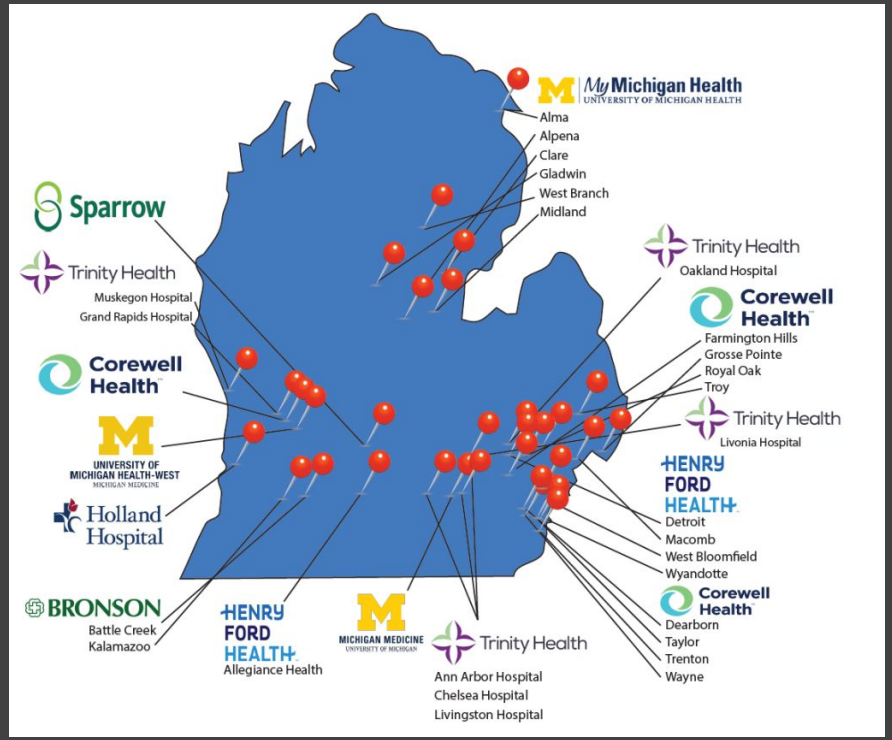
MPOG Annual Retreat

October 13, 2023
San Francisco

In person + virtual

Recruitment
2023 - 2024

Our perspective and plan



Have had steady recruitment over the last few years

About **35 sites** now across the state

No plans for aggressive recruitment, but open to sites where practice / hospital / IT leaders are aligned

Anticipate a few more sites will be added over time

Sustainability Toolkit Complete!

Existing 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

- Overview
- Recommendations
- Pediatric
- References
- Helpful Links

Sustainability Bundle

SUS 01 - Low FGF (3 l/min) during anesthesia maintenance

SUS 02 - Global warming footprint of inhalational agents (maintenance)

SUS 03 - Global warming footprint of inhalational agents (induction)

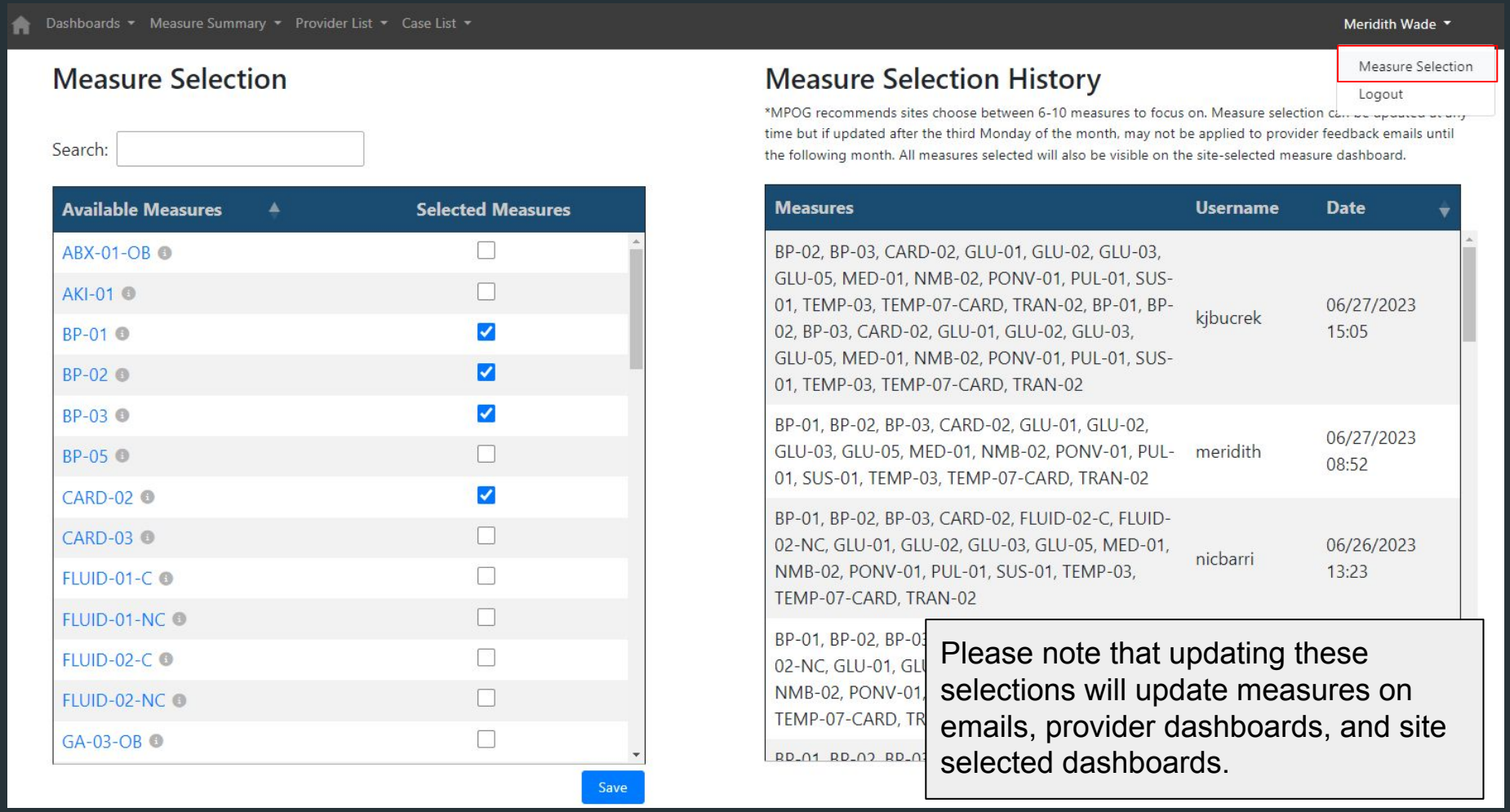
SUS 04 - Low FGF (2 l/min) during anesthesia maintenance

SUS 05 - Nitrous yes/no during induction - PEDS

SUS 06 - Low FGF (weight based) during induction - PEDS

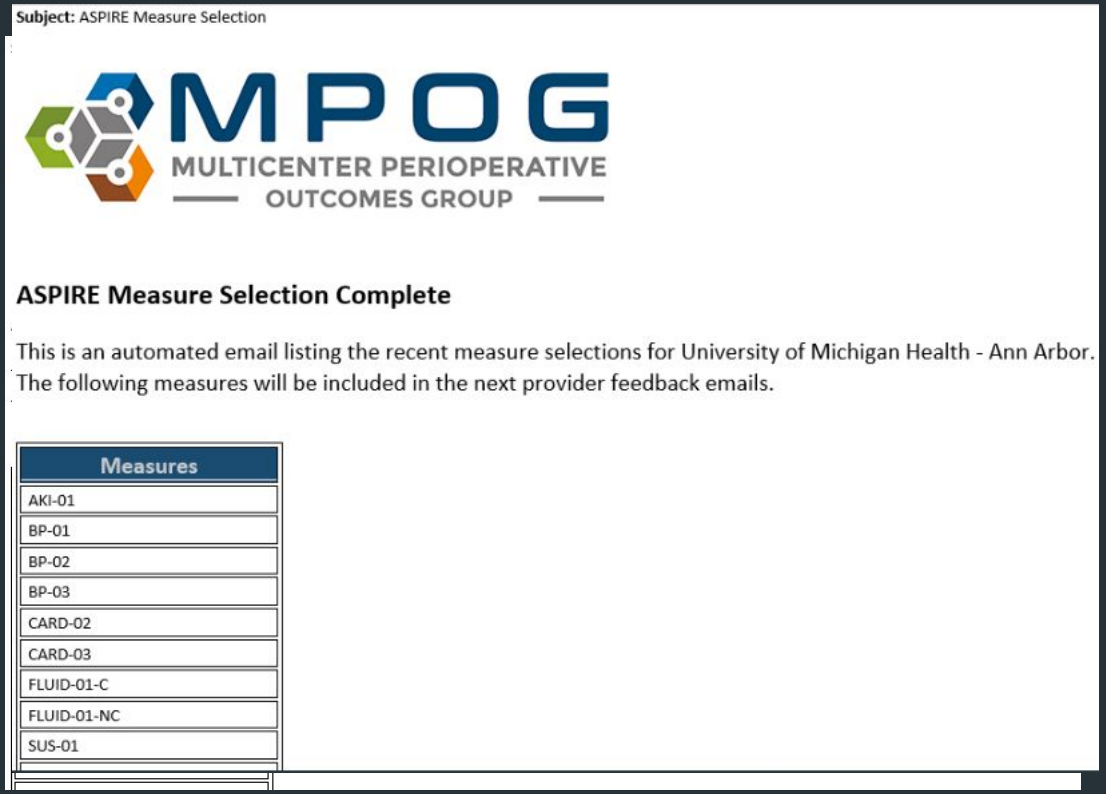
SUS 07 - Nitrous yes/no

Measure Selection Preference


Dashboards
Measure Summary
Provider List
Case List
Meridith Wade
Measure Selection
Logout
Measure Selection
Search:
Available Measures
Selected Measures
ABX-01-OB
AKI-01
BP-01
BP-02
BP-03
BP-05
CARD-02
CARD-03
FLUID-01-C
FLUID-01-NC
FLUID-02-C
FLUID-02-NC
GA-03-OB
Save
Measure Selection History
*MPOG recommends sites choose between 6-10 measures to focus on. Measure selection
time but if updated after the third Monday of the month, may not be applied to provider feedback emails until
the following month. All measures selected will also be visible on the site-selected measure dashboard.
Measures
Username
Date
BP-02, BP-03, CARD-02, GLU-01, GLU-02, GLU-03, GLU-05, MED-01, NMB-02, PONV-01, PUL-01, SUS-01, TEMP-03, TEMP-07-CARD, TRAN-02, BP-01, BP-02, BP-03, CARD-02, GLU-01, GLU-02, GLU-03, GLU-05, MED-01, NMB-02, PONV-01, PUL-01, SUS-01, TEMP-03, TEMP-07-CARD, TRAN-02
kjbucrek
06/27/2023 15:05
BP-01, BP-02, BP-03, CARD-02, GLU-01, GLU-02, GLU-03, GLU-05, MED-01, NMB-02, PONV-01, PUL-01, SUS-01, TEMP-03, TEMP-07-CARD, TRAN-02
meridith
06/27/2023 08:52
BP-01, BP-02, BP-03, CARD-02, FLUID-02-C, FLUID-02-NC, GLU-01, GLU-02, GLU-03, GLU-05, MED-01, NMB-02, PONV-01, PUL-01, SUS-01, TEMP-03, TEMP-07-CARD, TRAN-02
nicbarri
06/26/2023 13:23
Please note that updating these selections will update measures on emails, provider dashboards, and site selected dashboards.

Confirmation email will be sent with new measure selection

Please provide feedback to support@mpog.zendesk.com



Subject: ASPIRE Measure Selection

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ASPIRE Measure Selection Complete

This is an automated email listing the recent measure selections for University of Michigan Health - Ann Arbor.
The following measures will be included in the next provider feedback emails.

Measures
AKI-01
BP-01
BP-02
BP-03
CARD-02
CARD-03
FLUID-01-C
FLUID-01-NC
SUS-01

Provider Feedback Study Update

MEDICAL SCHOOL
UNIVERSITY OF MICHIGAN

LEARNING HEALTH SCIENCES

A scalable service to improve healthcare quality through precision audit and feedback

NIH National Library of Medicine, Project #1R01LM013894-01

Zach Landis-Lewis, Allison Janda, Allen Flynn, Nirav Shah

Proposal publication: https://www.researchprotocols.org/2022/5/e34990/

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Claim MOCA® Credit

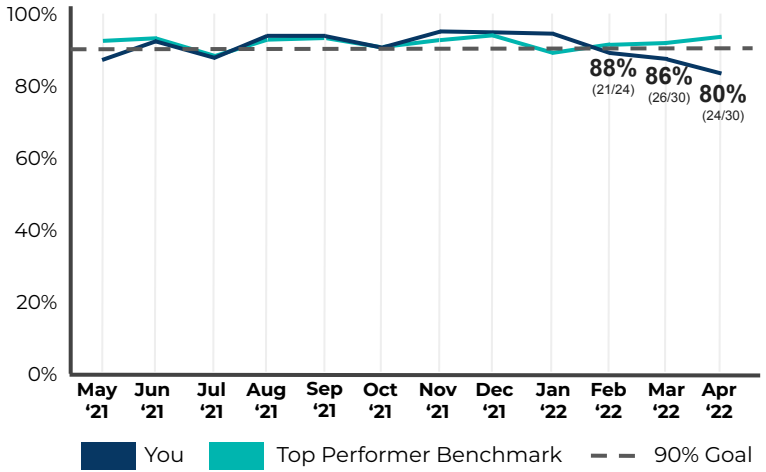
Dear Alex,

Your performance dropped below the goal for the measure: TEMP-02: Thermoregulation Monitoring - Core Temperature.

More information about the rationale for the measure TEMP-02 and how it is calculated is available here.

A case-by-case breakdown of your results are available at your clinical quality dashboard.

Below is your complete MPOG quality performance report...



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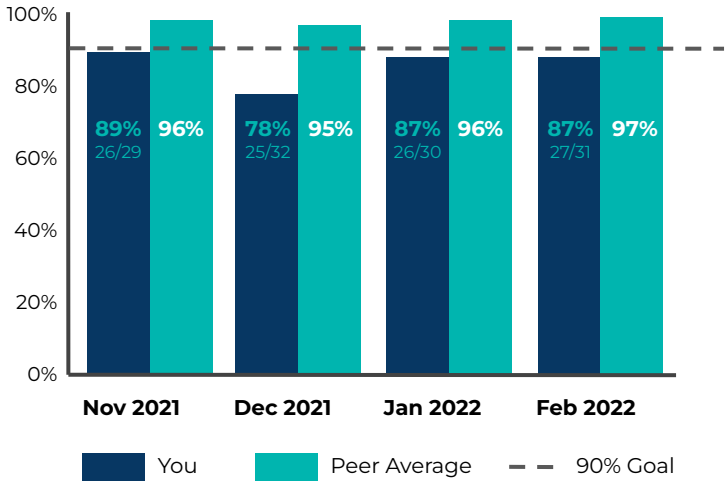
Claim MOCA® Credit

Dear Alex,

You may have an opportunity to improve your performance on measure NMB-01: Train of Four Taken, which measures the percentage of cases with a documented Train of Four (TOF) after last dose of non-depolarizing neuromuscular blocker.

More information about the rationale for the measure and how it is calculated is available here.

Below is your complete MPOG quality performance report...



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Claim MOCA® Credit

Dear Alex,

In the last month there was a myocardial infarction within 72 hours after one of your operative cases.

Case details can be accessed by logging into your clinical quality dashboard, and information about how this case was identified is available in this measure spec on the MPOG website.

Below is your complete MPOG quality performance report...

MPOG Precision feedback R01

Specific aims:

1. Systematically capture recipient requirements and preferences for precision feedback messages

2. Implement and assess a demonstration precision feedback software service

3. **Assess the effects of a precision feedback service on care quality and engagement via a cluster RCT**

Progress to date

Aim 1:

- **35 provider interviews, 3 design iterations of prototype messages**
- **Preference survey under completed**

Aim 2:

- **Software development, performance testing, and integration nearing completion**

Aim 3: Assess the effects of a precision feedback service

- Preparation for pilot study in 2023, cluster-randomised trial in 2024

Subcommittee Updates

Cardiac Subcommittee

This group meets virtually once per quarter to discuss the development of cardiac-specific quality improvement measures.

Cardiac Subcommittee

- Scheduling the next meeting for late August
- Plan to review GLU-07 (hypoglycemia avoidance for open cardiac) and GLU-08 (hyperglycemia treatment for open cardiac) prelim data
- GLU-06 (hyperglycemia management for open cardiac) currently available on All Measure and Cardiac dashboards

Obstetric Subcommittee

This committee of anesthesiologists around the country meets quarterly via web conferencing. Topics of discussion include development of obstetric specific ASPIRE measures and modifications to general measures to accommodate OB procedures. This group provides expert opinion to inform ASPIRE work.

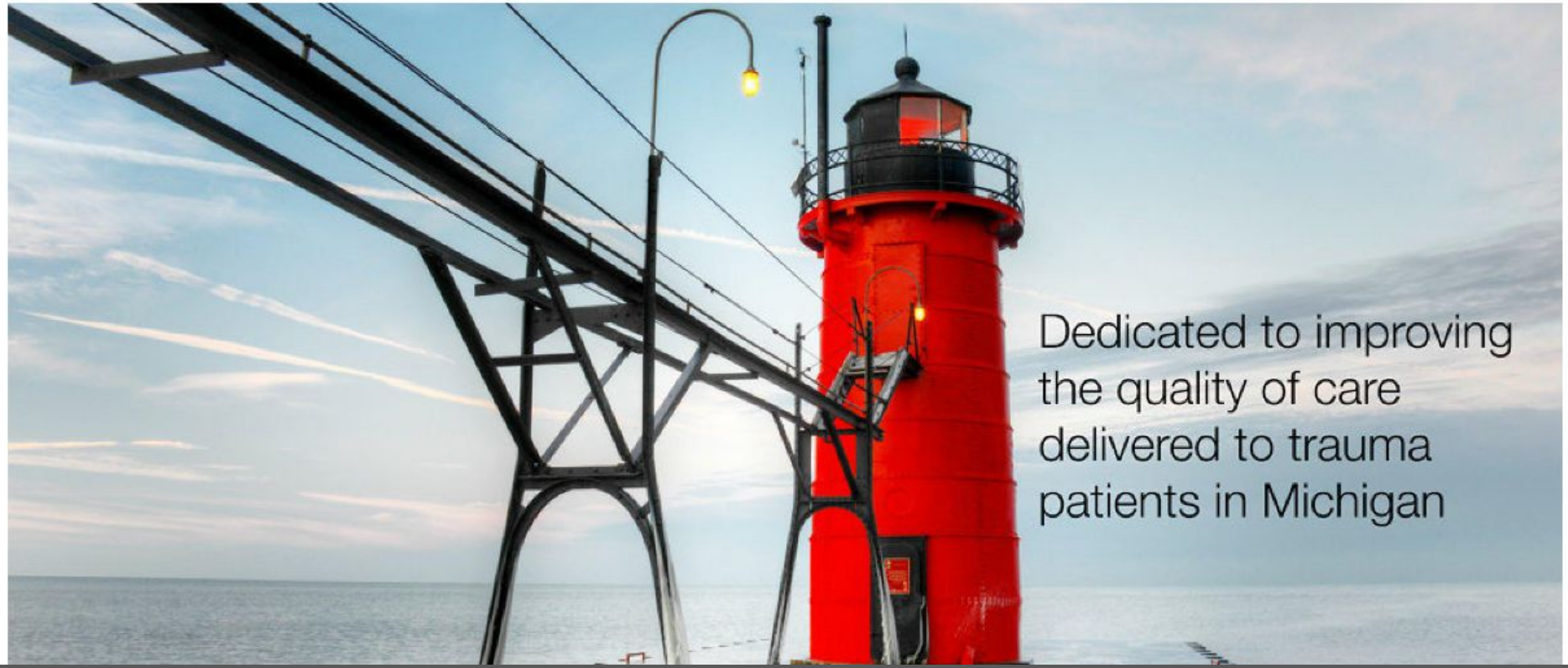
Obstetrics Subcommittee

- Next OB Subcommittee meeting is scheduled for Nov 8th 1pm EST.
- BP-04 due to be reviewed
- The group is working on ABX-03 which will look at Azithromycin usage during cesarean deliveries.

MTQIP Data Integration

M·TQIP

Home | Membership | Calendar | Resources | Leadership | Contact Us



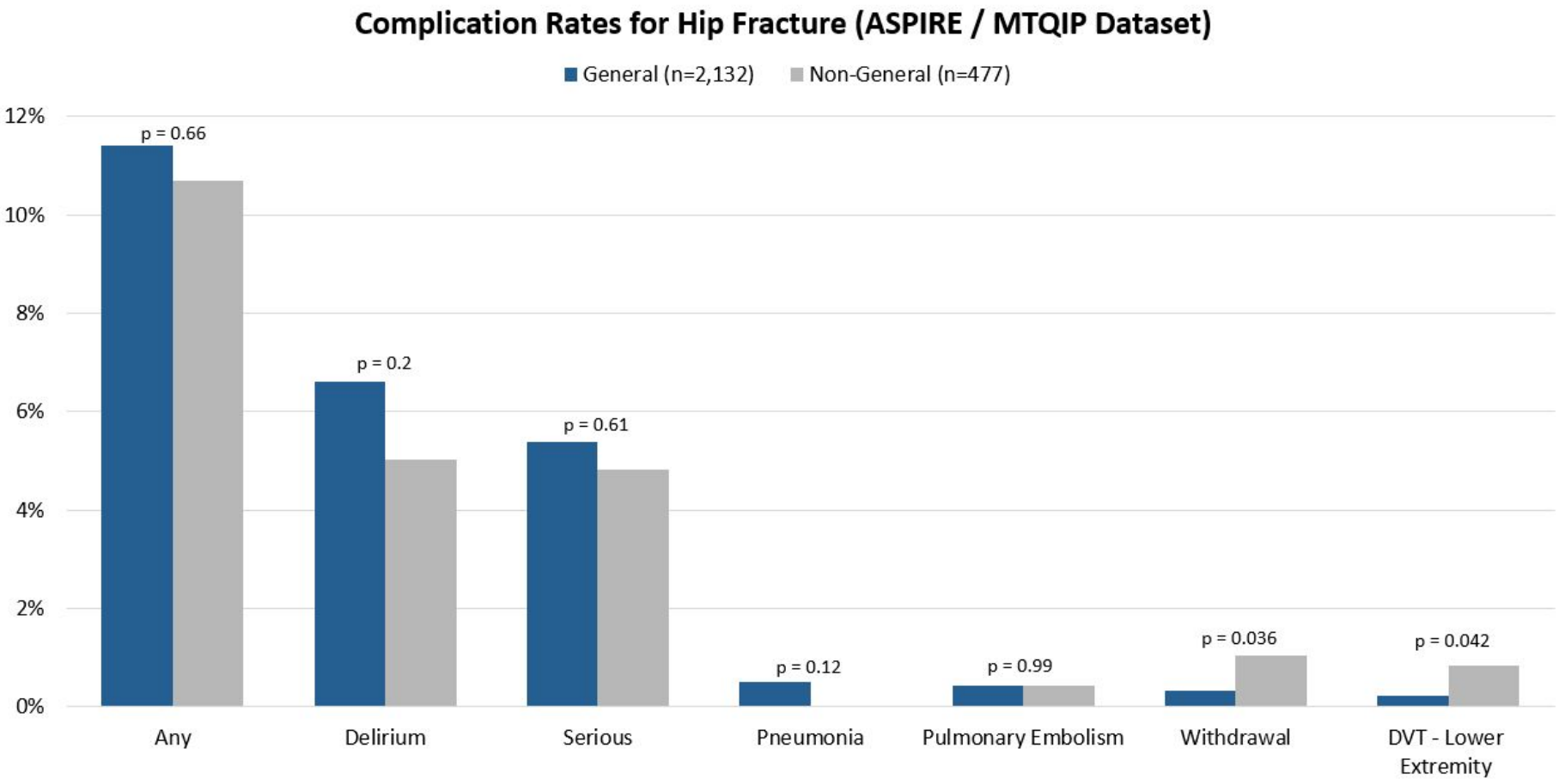
MTQIP Members

Ascension Borgess Hospital
Ascension Genesys Hospital
Ascension Providence Hospital Novi
Ascension Providence Hospital Southfield
Ascension St John Hospital
Ascension St Mary's Hospital
Bronson Methodist Hospital
Corewell Health Beaumont Troy Hospital
Corewell Health Butterworth Hospital
Corewell Health Dearborn Hospital
Corewell Health Farmington Hills Hospital
Corewell Health Trenton Hospital
Corewell Health William Beaumont University Hospital
Covenant HealthCare
DMC Detroit Receiving Hospital
DMC Sinai-Grace Hospital
Henry Ford Allegiance Health
Henry Ford Hospital Detroit
Henry Ford Macomb Hospital
Hurley Medical Center
McLaren Lapeer Region
McLaren Northern Michigan Hospital
McLaren Macomb
McLaren Oakland
Michigan Medicine
Munson Medical Center
MyMichigan Medical Center Midland
Sparrow Hospital
Trinity Health Ann Arbor Hospital
Trinity Health Livonia Hospital
Trinity Health Muskegon Hospital
Trinity Health Oakland Hospital
Trinity Health Saint Mary's - Grand Rapids
University of Michigan Health - West
UP Health System - Marquette

Hip Fractures

1. Determined areas of common interest (intraop processes of care + outcomes)
2. Developed a data specification across both registries
3. Matched MTQIP cases to ASPIRE cases based on based on case type (via CPT codes), date of service, institution, age, and gender
4. Added in variables of interest across both registries and placed data in a secure location available to both teams
5. MTQIP took lead in analyzing data

Preliminary Unadjusted Results



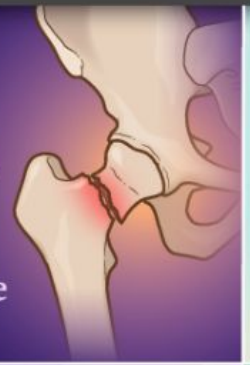
The NEW ENGLAND JOURNAL of MEDICINE

Spinal Anesthesia vs. General Anesthesia for Hip Surgery

MULTICENTER, PRAGMATIC, RANDOMIZED SUPERIORITY TRIAL

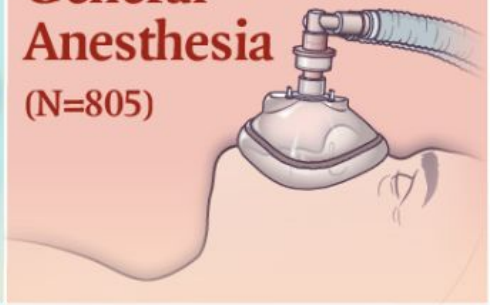
1600

Adults, ≥50 yrs old, who could walk independently before a hip fracture



Spinal Anesthesia
(N=795)

General Anesthesia
(N=805)



Death or inability to walk without human assistance at 60 days

18.5%
(132 of 712 patients)

18.0%
(132 of 732 patients)

Relative risk, 1.03; 95% CI, 0.84 to 1.27; P=0.83

Spinal anesthesia was not superior to general anesthesia for survival and ambulation; the incidence of postoperative delirium was similar in the two groups.

M.D. Neuman et al. 10.1056/NEJMoa2113514

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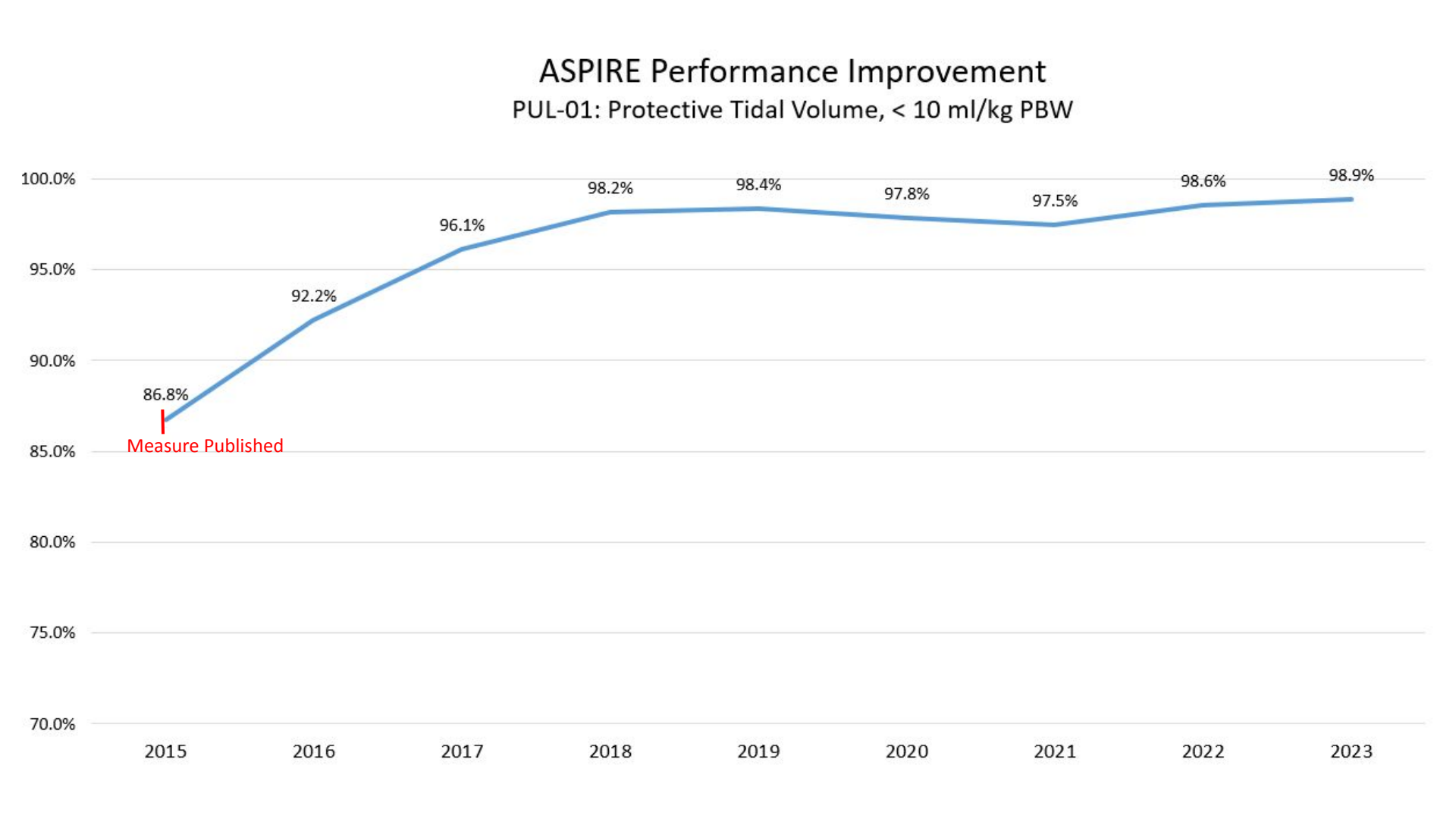
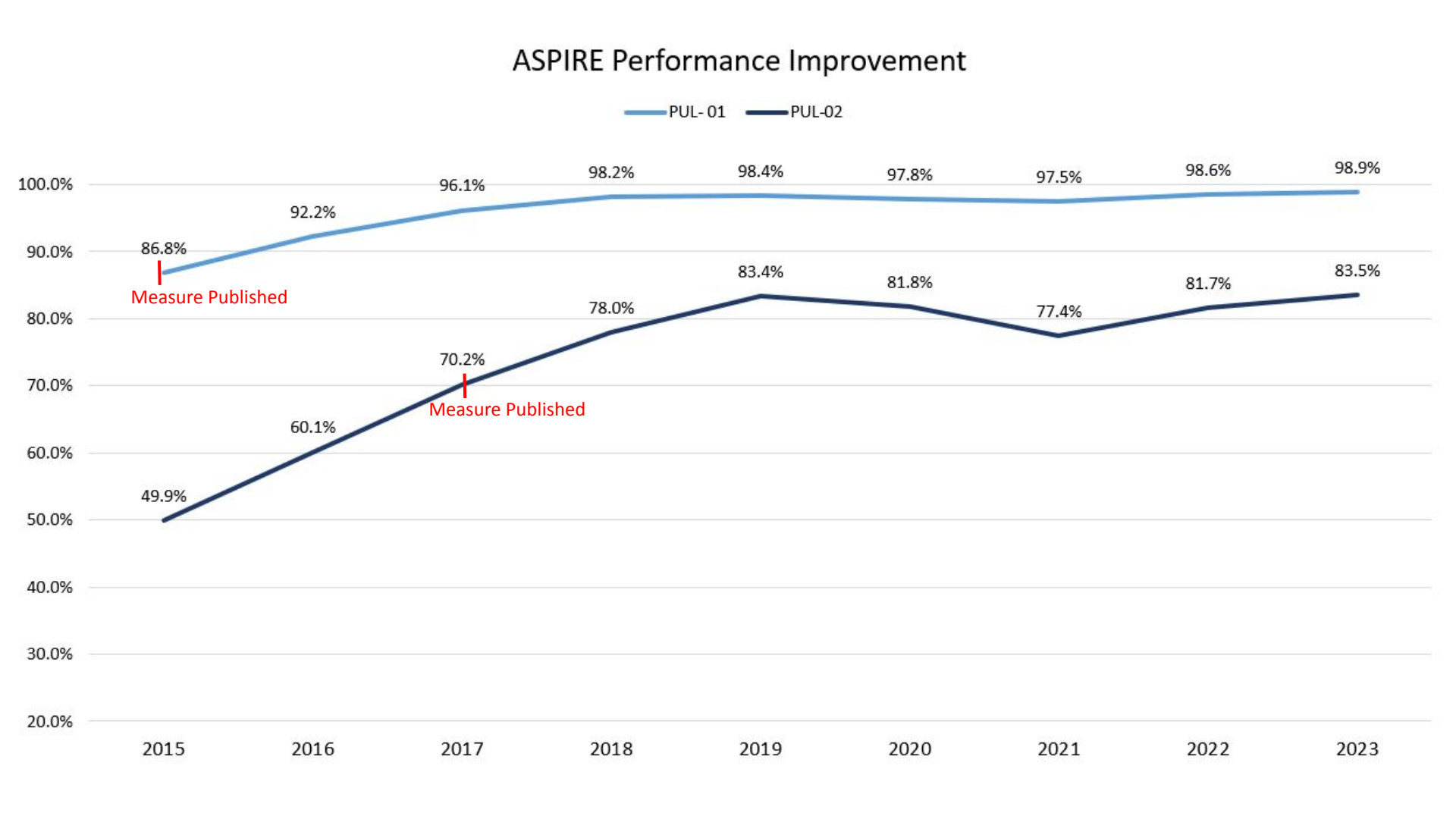
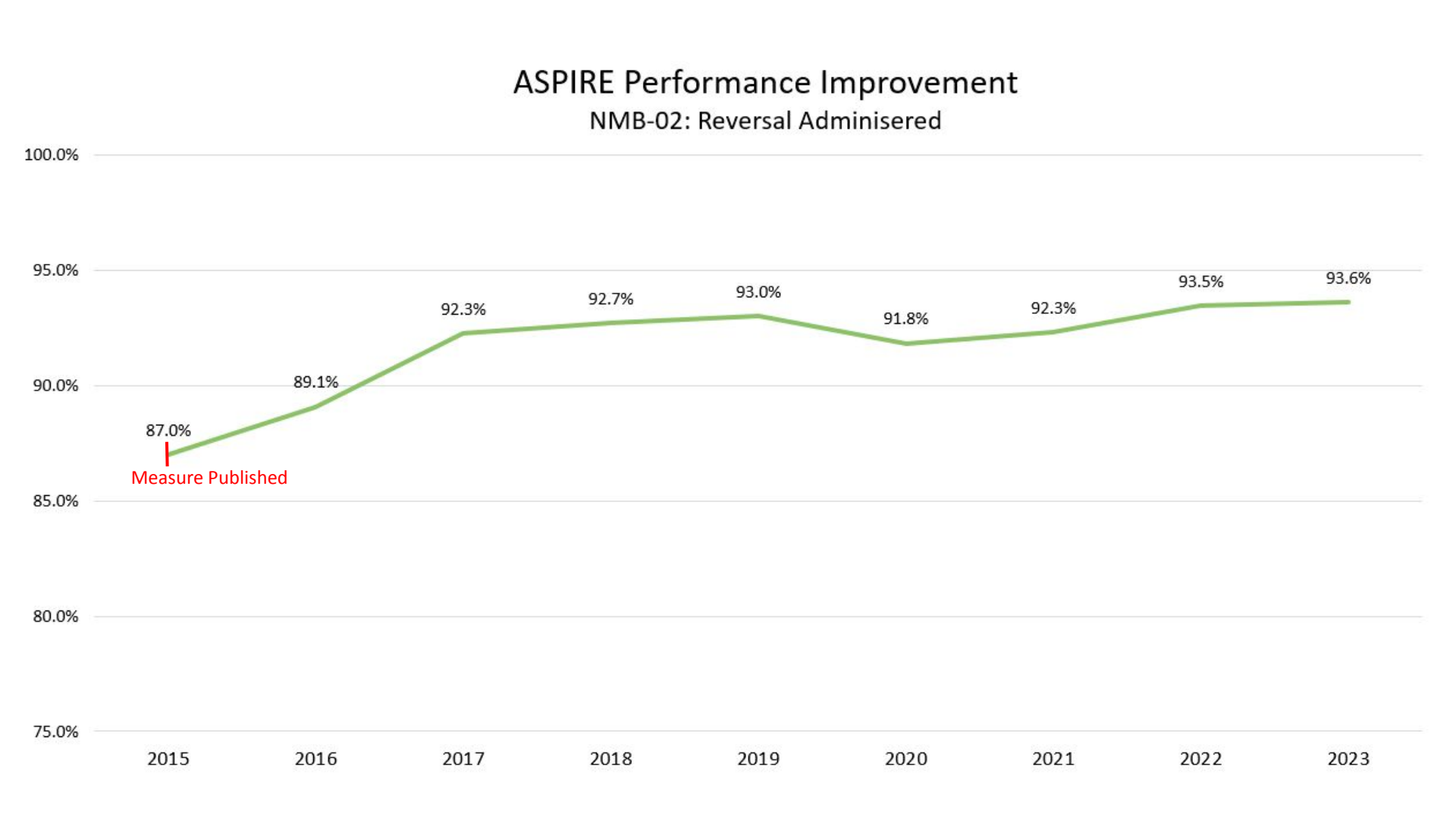
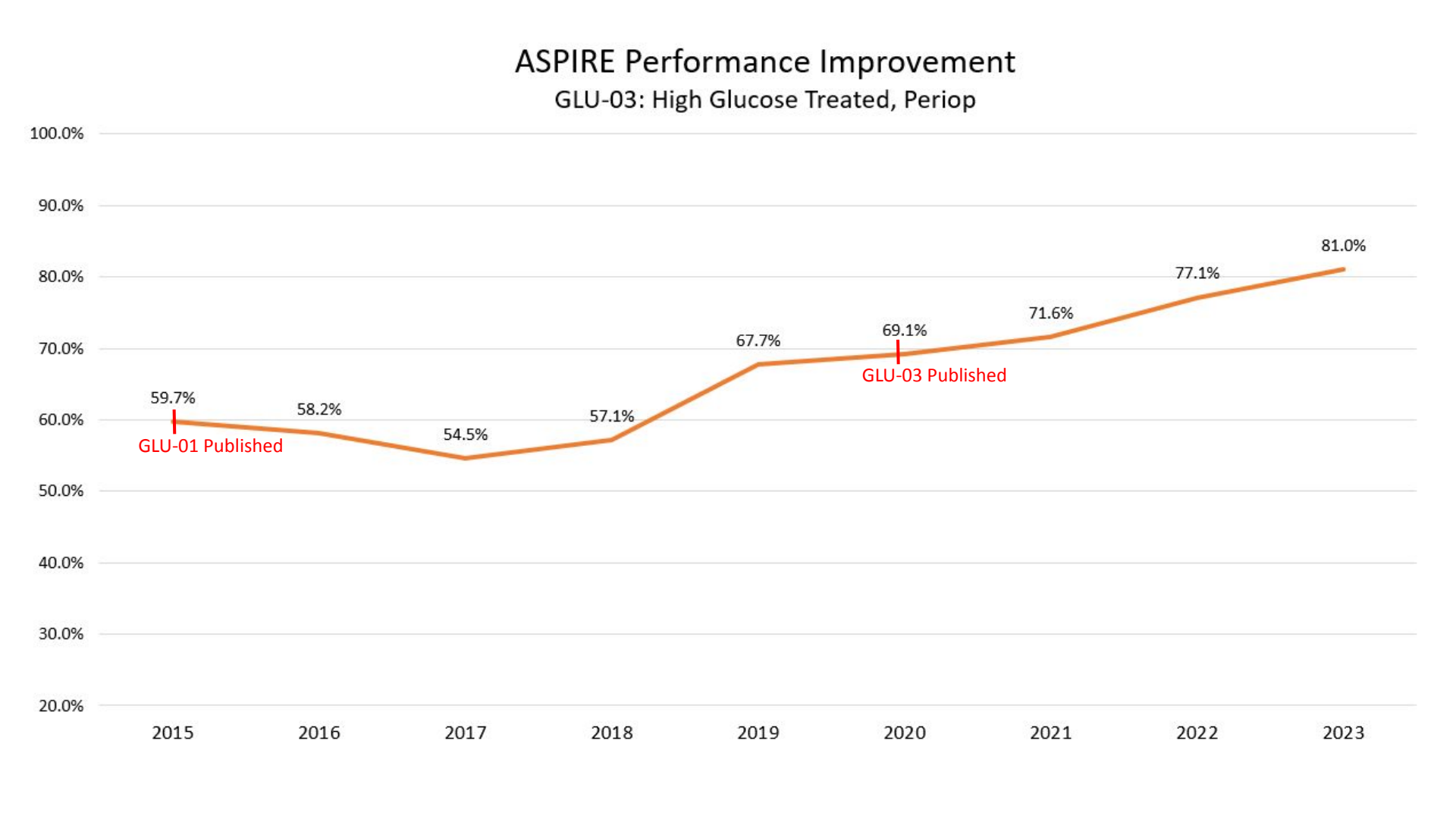
ASPIRE Performance Improvement

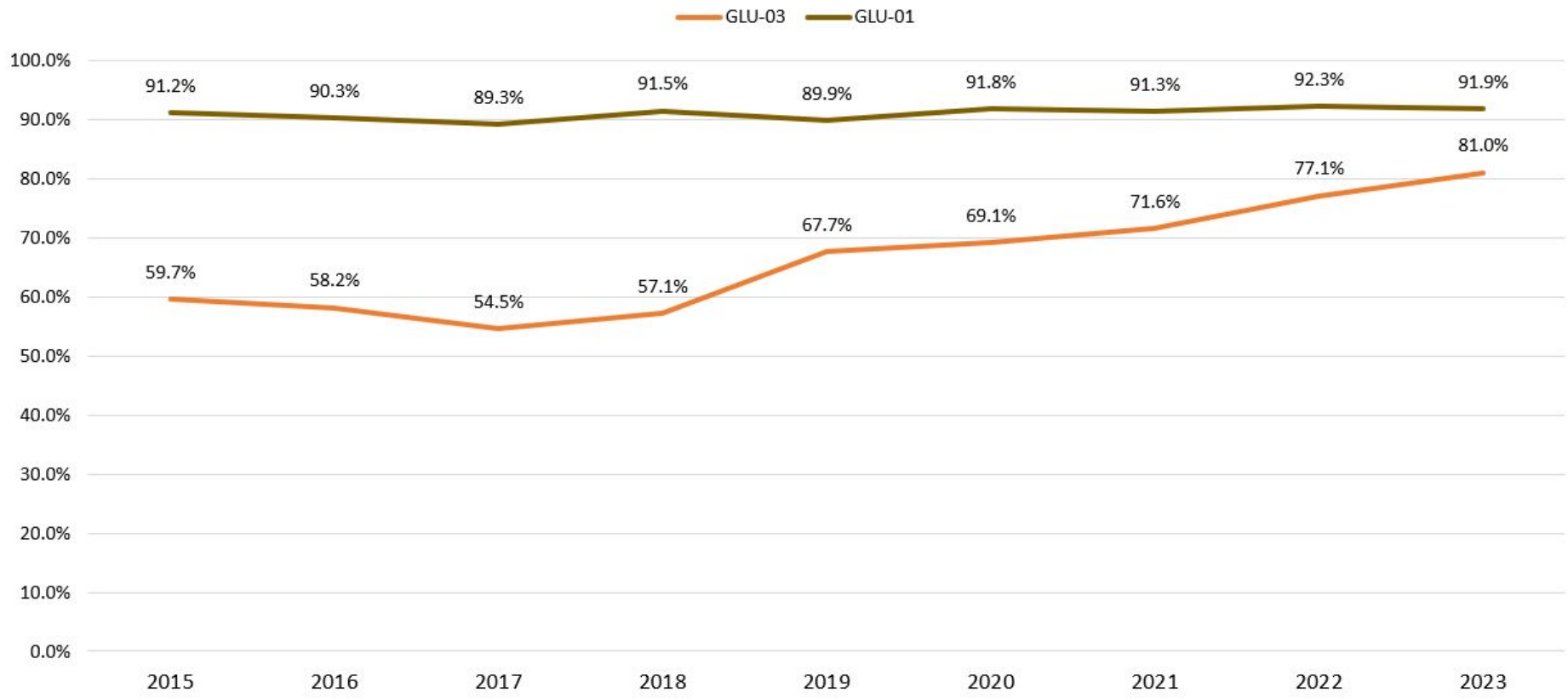

ASPIRE Performance Improvement
PUL-01: Protective Tidal Volume, < 10 ml/kg PBW
100.0%
95.0%
90.0%
85.0%
80.0%
75.0%
70.0%
86.8%
92.2%
96.1%
98.2%
98.4%
97.8%
97.5%
98.6%
98.9%
Measure Published
2015
2016
2017
2018
2019
2020
2021
2022
2023

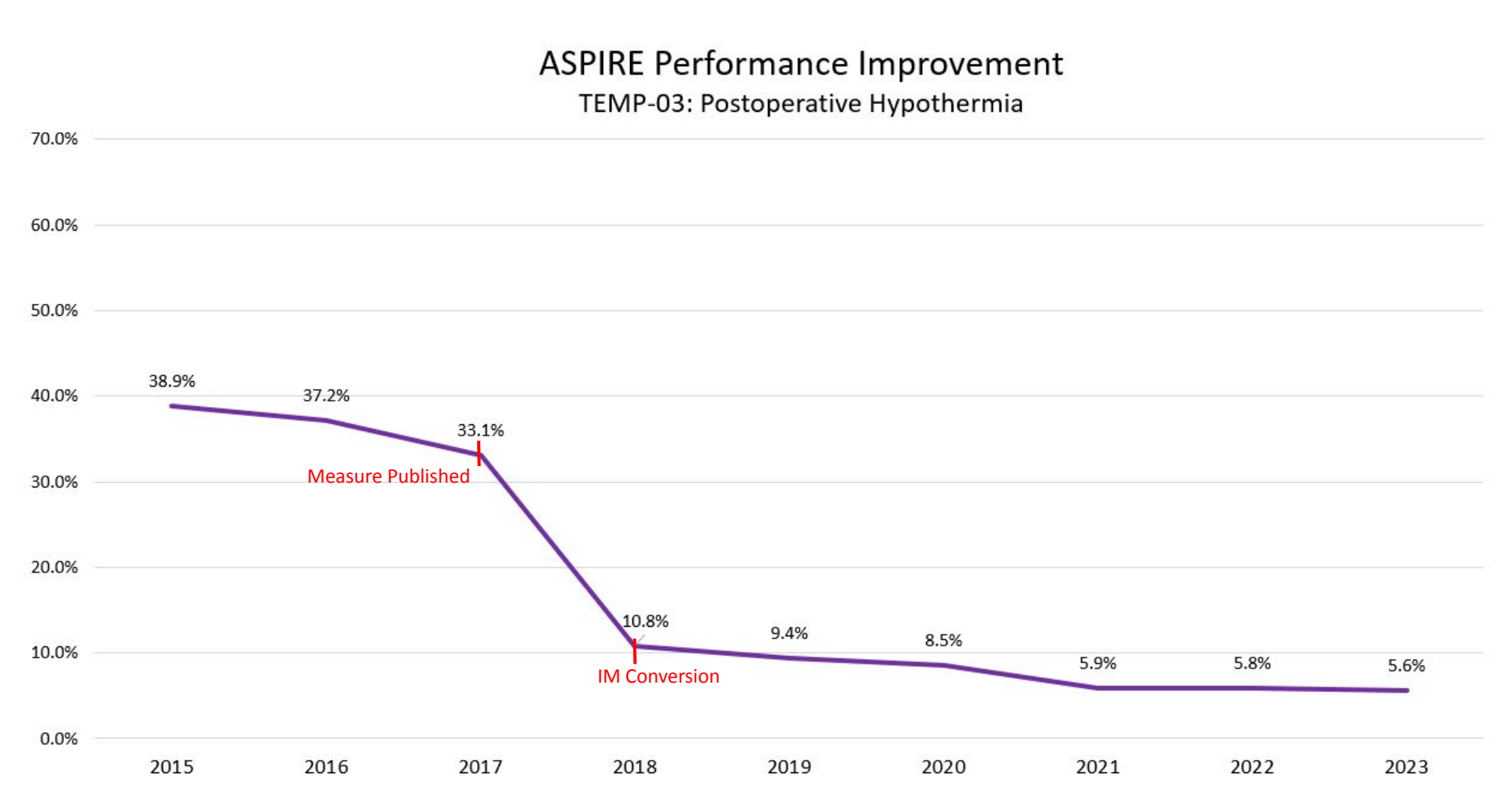

ASPIRE Performance Improvement
PUL- 01
PUL-02
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
86.8%
92.2%
96.1%
98.2%
98.4%
97.8%
97.5%
98.6%
98.9%
Measure Published
49.9%
60.1%
70.2%
78.0%
83.4%
81.8%
77.4%
81.7%
83.5%
Measure Published
2015
2016
2017
2018
2019
2020
2021
2022
2023


ASPIRE Performance Improvement
NMB-02: Reversal Adminisered
100.0%
95.0%
90.0%
85.0%
80.0%
75.0%
87.0%
89.1%
92.3%
92.7%
93.0%
91.8%
92.3%
93.5%
93.6%
Measure Published
2015
2016
2017
2018
2019
2020
2021
2022
2023


ASPIRE Performance Improvement
GLU-03: High Glucose Treated, Periop
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
59.7%
58.2%
54.5%
57.1%
67.7%
69.1%
71.6%
77.1%
81.0%
GLU-01 Published
GLU-03 Published
2015
2016
2017
2018
2019
2020
2021
2022
2023

ASPIRE Performance Improvement




ASPIRE Performance Improvement
TEMP-03: Postoperative Hypothermia
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
38.9%
37.2%
33.1%
Measure Published
10.8%
IM Conversion
9.4%
8.5%
5.9%
5.8%
5.6%
2015
2016
2017
2018
2019
2020
2021
2022
2023

Thank You!