

Q&A Session

Text the word: MPOG to 22-333.

Then text your question / comment.

OR

Go to the website at:

<http://pollev.com/mpog> and type your question in the space provided.

MPOG 2018 Annual Retreat

October 12, 2018



Thanks

- Kevin Tremper
- Katie Buehler
- Tory Lacca
- Amy Shanks
- Jay Jeong
- Jeremy Jared
- Tomas Medina
- Mike Mathis
- Nicole Pescatore
- Nirav Shah
- John Vandervest
- Aleda Thompson
- Shelley Housey
- Leif Saager
- Mike Burns
- Allison Janda
- Douglas Colquhoun
- Michelle Romanowski
- Mark Dehring
- Christina Ladd
- Genevieve Bell
- Anik Sinha
- Jenny Mace
- Nick Douville
- Meridith Bailey
- David Clark
- MPOG chairs, PIs , ACQRs, quality champions, and software developers
- All the clinicians, IT staff, and administrators out there

A lifetime ago, yet seems like yesterday



Bunch of people got together in Ann Arbor to discuss sharing anesthesiology and surgery data to enable multicenter research

Aug 23, 2008

Who is involved in MPOG?

- AMC Amsterdam
- Beaumont Royal Oak
- Beaumont Troy
- Bronson Battle Creek
- Bronson Kalamazoo
- Cleveland Clinic
- Columbia
- Henry Ford Detroit
- Henry Ford West Bloomfield
- Holland Hospital
- Massachusetts General
- Mercy Health Muskegon
- NYU Langone
- OHSU
- Sparrow Health Michigan
- St. Joseph, Ann Arbor
- St. Joseph , Oakland
- St. Mary Livonia, Michigan
- Stanford University
- Duke University
- Childrens Hospital of Orange County
- UCLA
- University Medical Utrecht
- University of Arkansas
- University of Colorado
- University of Michigan
- University of Pennsylvania
- University of Vermont
- University of Virginia
- University of Tennessee
- University of Texas MD Anderson
- University of Texas Southwestern
- University of Utah
- University of Washington
- University of Wisconsin
- Vanderbilt
- Wake Forest
- Washington University
- Weill Cornell New York Presbyterian
- Yale University
- Memorial Sloan Kettering
- Brigham & Womens

Welcome new contributing members

- Beaumont Health System – Trenton
- Beaumont Health System – Wayne
- Brigham & Women’s Hospital
- Duke University Medical Center
- Massachusetts General Hospital
- University of Arkansas
- University of California, Los Angeles

MPOG national impact

- 9.8 Million patient records extracted, mapped, de-identified, and available for research and performance improvement
 - 23 health systems, 40+ hospitals, 17 states, 2 countries, 6 EHR vendors
 - Comprehensive intraoperative record
 - 15 BILLION vital signs for these patients
 - Laboratory values, Mortality, Discharge ICD9/10, Preop ICD
 - Pockets of surgical registry and claims
- Nearly 3000 providers receiving monthly email feedback
 - 24 performance measures across 30 hospitals
 - Going beyond data to collaboration
 - Maintenance of certification
- Papers ranging from health services research to informatics methodology

Research Progress

- Accepted
 - Malignant Hyperthermia Preparation & Dantrolene Availability
 - Management of EtCO₂
- Submitted
 - Epidemiology and cost of medication errors
 - Clinical management of pyloric stenosis in US
 - Clinical & operational impact of concurrent surgery
 - Blood pressure artifact management algorithm
- Analysis complete, manuscript in preparation
 - Automated CPT categorization
 - Acute Kidney Injury
 - Sugammadex utilization patterns
 - One lung ventilation outcomes
 - Blood utilization patterns
 - MPOG Methods

Research progress

- Analysis in process
 - Intraoperative management and esophagectomy outcomes
 - Transfusion trends
 - Handoffs and outcomes
- Data extraction underway
 - **Enhanced observational study 2017
 - Stroke and beta blockade
 - Sugammadex outcomes
 - Racial Disparities in PONV prophylaxis

- **IMPACT: Initiative for Multicenter Pragmatic Anesthesiology Clinical Trials**

QI updates

- Impact beyond active MPOG sites
- ASPIRE measures adopted (or adapted) by
 - American Society of Anesthesiologists
 - EPIC
 - Hospitals not involved in MPOG
- Focusing on measures that matter
- Toolkits
- Maintenance of Certification

- Leading meaningful performance measurement in Anesthesiology

MPOG Application Suite: Upgrades & Changes

- MPOG Case Viewer
- Case Validation
- Data Diagnostics
- Import Manager Variable Mapping
- Number of backend changes to fix bugs and improve performance
- Import Manager Assistant
- NSQIP Import modified to accept new file format

What we planned last year



Data foundation

- Continue investing in data quality improvement
- Continue integrating novel data sources
- Mobile app for participants



Analytics

- Curate existing data and expose data weaknesses
- Methodology research
- This is advanced research computing, lets act like it



Impact

- Enhanced observational studies with robust infrastructure
- Quality improvement toolkits
- Local innovation & audit



Collaboration

- Reach beyond the MPOG PI at each site
- Work outside the department of anesthesiology
- Work with non-MPOG sites & faculty

Self-assessment of last years goals

- Data foundation: “B”
 - Continue focus on data quality
- Analytics: “B+”
 - Performance test the centralized Statistics server
- Impact: “B+”
 - Enable local innovation
- Collaboration: “B”
 - Get more people involved at each department

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