

An Overview of the MPOG Standardized Data File

Prepared for the MPOG Tips and Tricks
Webpage, 2022

Rachel Hurwitz, Research Assistant
Sandy Rozek, Research Facilitator



Basic Information

Released
once per
year

Snapshot of
MPOG data

Phenotypes,
measures,
admin data

Four years of
consecutive
data

Cases from
all active
U.S. MPOG
sites

Normal Proposal Process



SDF Proposal Process



Cases - Inclusion Criteria

- Must be a case from an active MPOG site during the 6 year time period
- Must be from a U.S. site
- Must meet the Intraoperative Research Standard
 - Only one date/time for the beginning and end of the case
 - For GA cases, case duration must be ≥ 10 minutes
 - For non-GA cases, the case duration must be ≥ 5 minutes
 - Age, sex, and ASA score present for the patient
 - At least one intraoperative blood pressure value recorded and intraoperative medication administered during the case

Tables Present

Table Name	Description
<i>Case Level</i>	Phenotypes including institution- patient- and case- characteristics <ul style="list-style-type: none">• ex. staff information, admin data, anesthesia technique, comorbidities, intraoperative medications/fluids, outcomes, physiologic/lab values
<i>CPT- Admin Data</i>	Both anesthesia and surgical CPT codes, plus the predicted CPTs and their associated rankings
<i>ICD 9/10 Admin Data</i>	ICD 9/10 codes +/- 365 DOS, plus case date and the associated admit/discharge dates
<i>Aspire Quality Measures</i>	Quality measure data for cases meeting measure inclusion criteria



Standardized Data File - User Guide

Version 2021

Updated 12/22/2022



Standardized Data File - Appendix 2
Measure Specifications

Version 2021

Updated 12/21/2022



Standardized Data File - Appendix 1
Phenotype Specifications

Version 2021

Updated 12/21/2022

Large Dataset Limitations

Issues with
concept
mapping or
the source
data

Level of
detail from
each
institution

Errors from
merging
multi-center
data

Errors
persist until
new version
is released
yearly

Goal of
improving
each year

Next Versions of the SDF

For more information on how to start a project using the MPOG Standardized Data File, please refer to the other Tips and Tricks modules, or the Research Proposal Process page.

If you have any questions about or find any errors in the standardized data file, please email mpog-research@med.umich.edu.