



## 2022 Fact Sheet

### Michigan Bariatric Surgery Collaborative (MBSC)

#### Overview

Formed in 2005, the Michigan Bariatric Surgery Collaborative (MBSC) aims to innovate the science and practice of metabolic and bariatric surgery through comprehensive, lifelong, patient-centered obesity care-in Michigan and across the United States.

#### Core Values:

- MBSC Core Values Collegiality
  - We will promote a learning community that respects one another and works together to advance the practice of bariatric surgery.
- Confidentiality
  - We will ensure the strict protection of information regarding our patients, participants, and hospitals.
- No “Billboards”
  - We will ensure that MBSC data is never used for the purposes of marketing or promotion of any individual hospital, program, or surgeon.
- Contribute
  - We value the experience and insight of each of our members and will promote an environment where all can contribute to the success of the collaborative
- Open-Minded
  - We will remain open to novel ideas, alternative viewpoints, and the discovery of new knowledge.
- Innovative
  - We will pursue creative, original, and data-driven ways to advance the field of bariatric surgery and ensure the well-being of our patients.

#### Current Quality Initiatives:

- Reducing complications to decrease costs and improve patient satisfaction
- Lower ED visits and hospital readmissions through targeted interventions
- Implement VTE guidelines to prevent blood clots in veins
- Implementing standardized evidence- based pathways to optimize resource utilization
- Decrease opioid prescribing to reduce new persistent use after surgery and improve overall outcomes



## Results

- Decreased the pre-operative IVC filter placement rate from 7.56 percent to 0.30 percent (2007-2021)
- Increased compliance with blood clot guidelines to 93 percent (2007-2013)
- Decreased length of hospital stay beyond five days following bariatric surgery by 62 percent (2007-2021)
- Post-surgical death rates decreased by 60 percent (2007-2021)
- Readmissions declined by 44 percent (1Q 2007 – 4Q 2021)
- Overall complication rates decreased by 38 percent (2007-2021)
- Decrease in ED visit rates by 16 percent (1Q 2007-4Q 2021)
- 2011 recipient of the BCBSA Best of Blue and BlueWorks Awards

## Participants

- 41 Michigan hospitals
- 78 bariatric surgeons

## Physician Type(s)

- Bariatric surgeons

## Data Collection

- All cases, all payer registry
- 115,185 cases entered into the registry since 2005

## Participation Criteria

In order to participate in this CQI, a hospital must meet the following criteria:

- Perform 25 bariatric surgeries annually

## About the Coordinating Center

The University of Michigan serves as the Coordinating Center for MBSC and is responsible for collecting and analyzing comprehensive clinical data from the participating hospitals. It uses these analyses to examine practice patterns, to generate new knowledge linking processes of care to outcomes, and to identify best practices and opportunities to improve quality and efficiency. The center further supports participants in establishing quality improvement goals and assists them in implementing best practices.

Amir Ghaferi, MD, MSc, Associate Professor of Surgery at the University of Michigan Health System serves as Project Director. Amanda O'Reilly, RN, MS and Rachel Ross, RN, MS serve as Project Managers. Please reach out to Amanda ([aoreilly@med.umich.edu](mailto:aoreilly@med.umich.edu)) or Rachel ([rachacoo@med.umich.edu](mailto:rachacoo@med.umich.edu)) with any questions regarding MBSC.