

Measuring Social Vulnerability: Opportunities to Strive for Equity in Collaborative Quality Initiatives

MSQC/ASPIRE Meeting
April 12, 2024

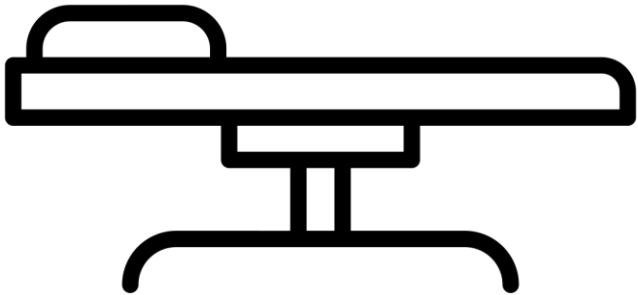
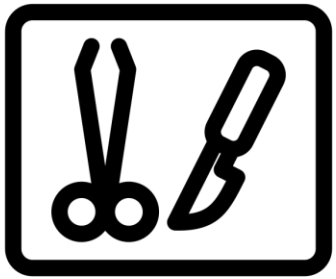
Erin Isenberg, MD; Calista Harbaugh, MD, MSc
Department of Surgery, University of Michigan

Feedback:

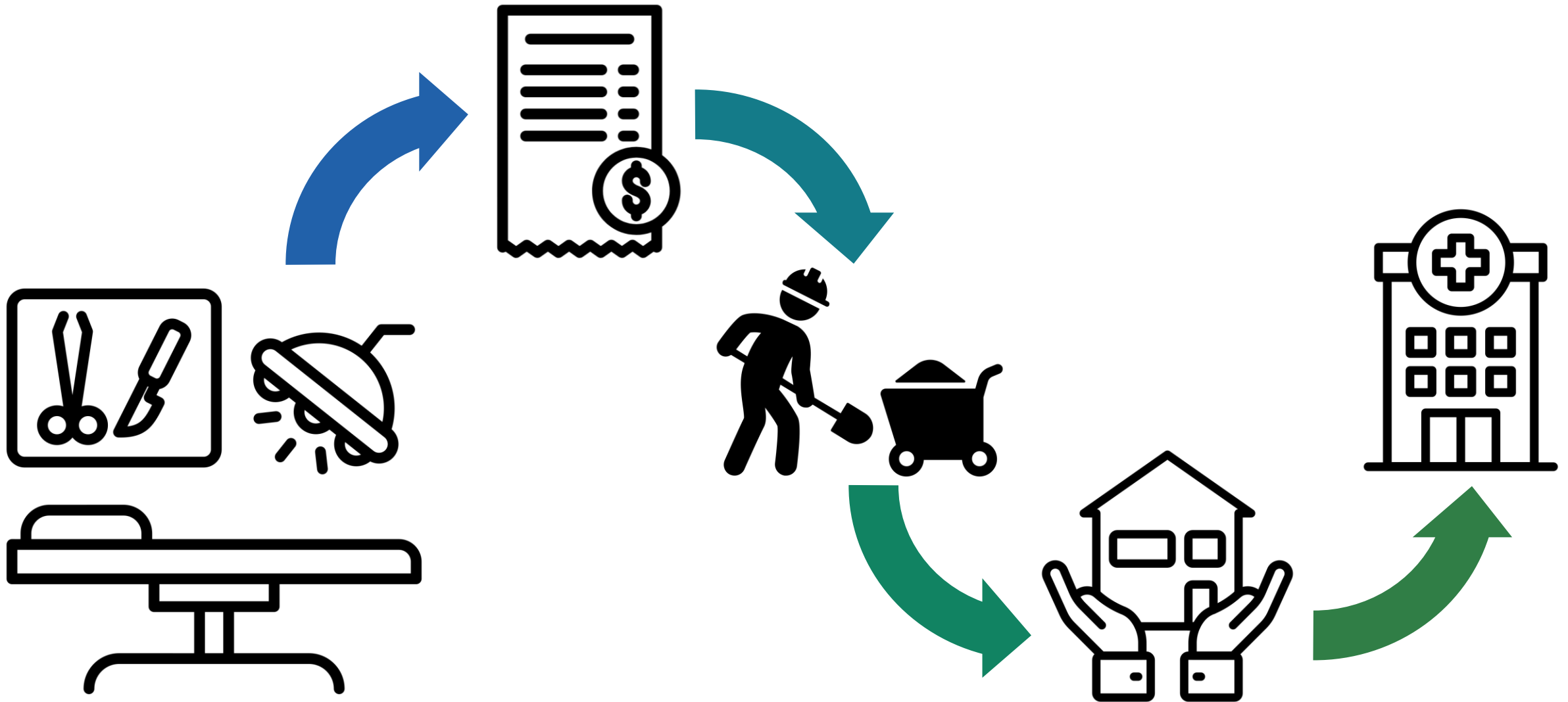


Disclosures

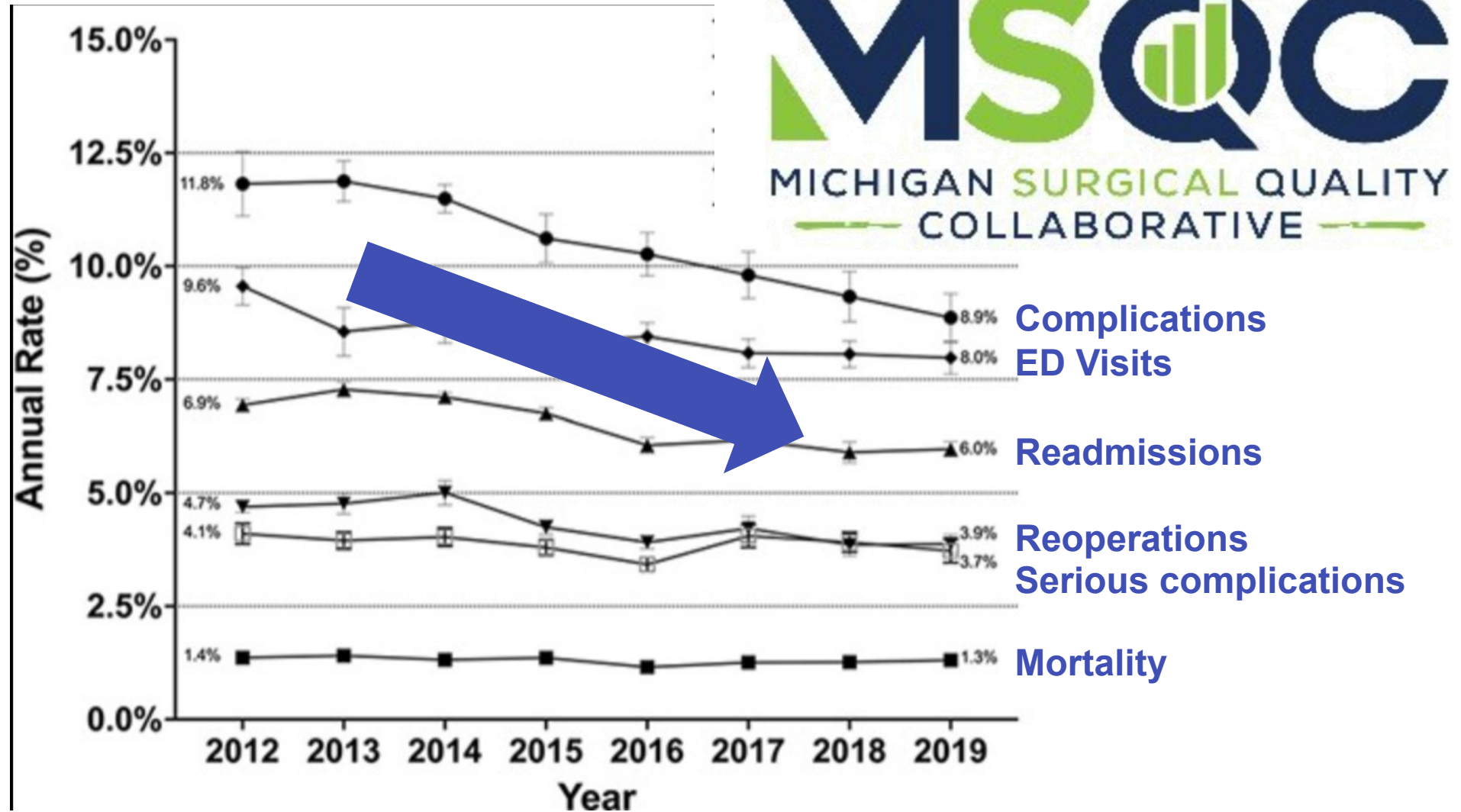
Dr. Harbaugh has funding from Blue Cross Blue Shield of Michigan Foundation and the University of Michigan Rogel Cancer Center which are unrelated to the content.



Surgery is more than the OR



You have made care better in Michigan



Are we improving care equitably?

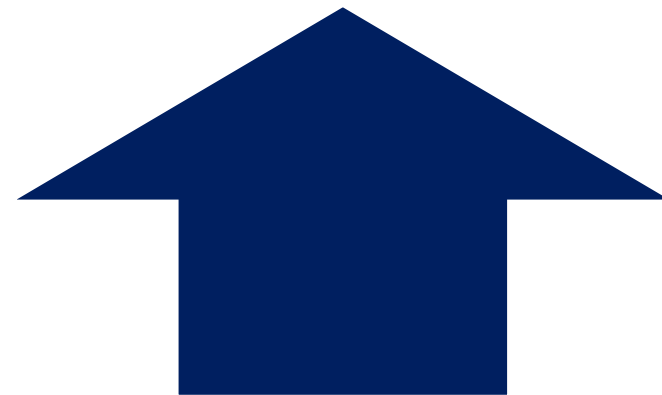


Reduce disparities

- Standardization
- Close practice gaps

Widen disparities

- Cherry-picking low-risk
- Not accounting for social risk
- Financial penalties





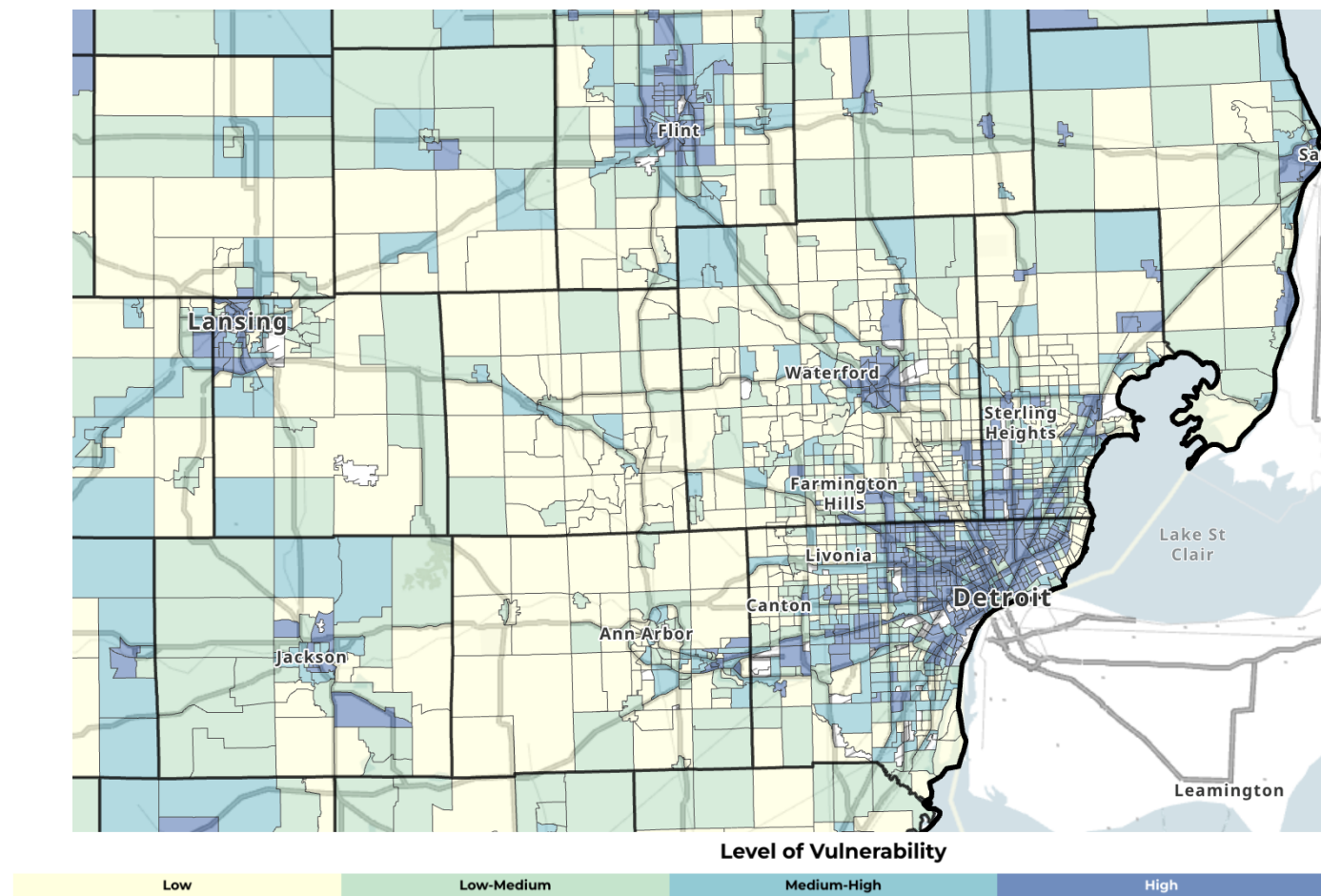
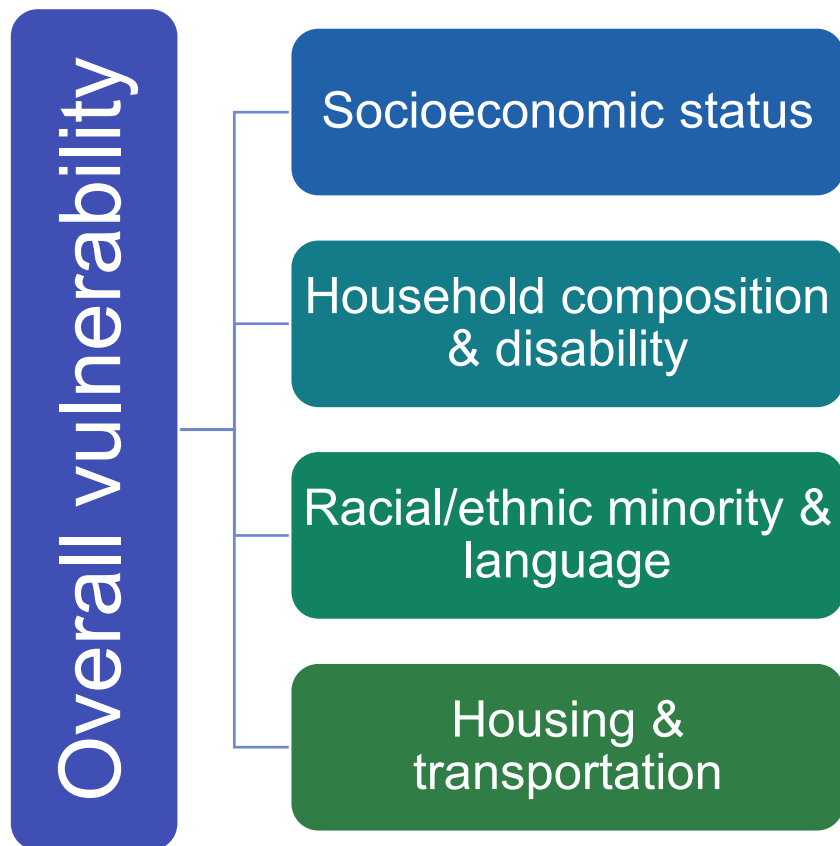
Objectives

Introduce the social vulnerability index as a structural measure of social risk

Understand social vulnerability among MSQC patients

Explore CQI opportunities to strive for equitable care improvement

Social Vulnerability Index (SVI)

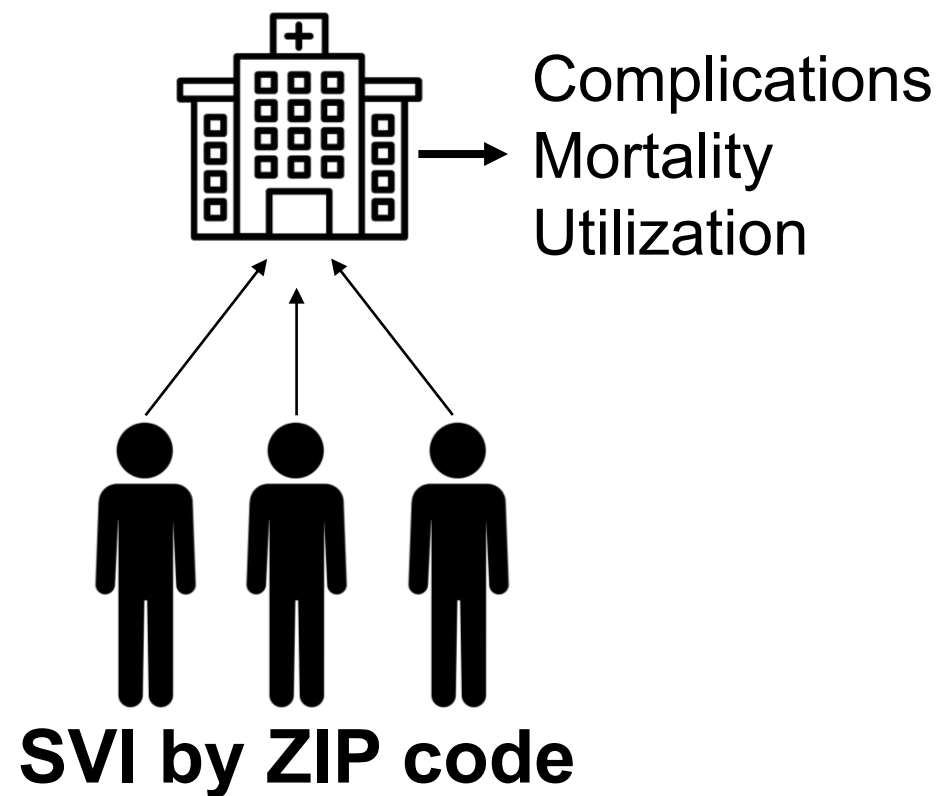


Does SVI matter in the MSQC?

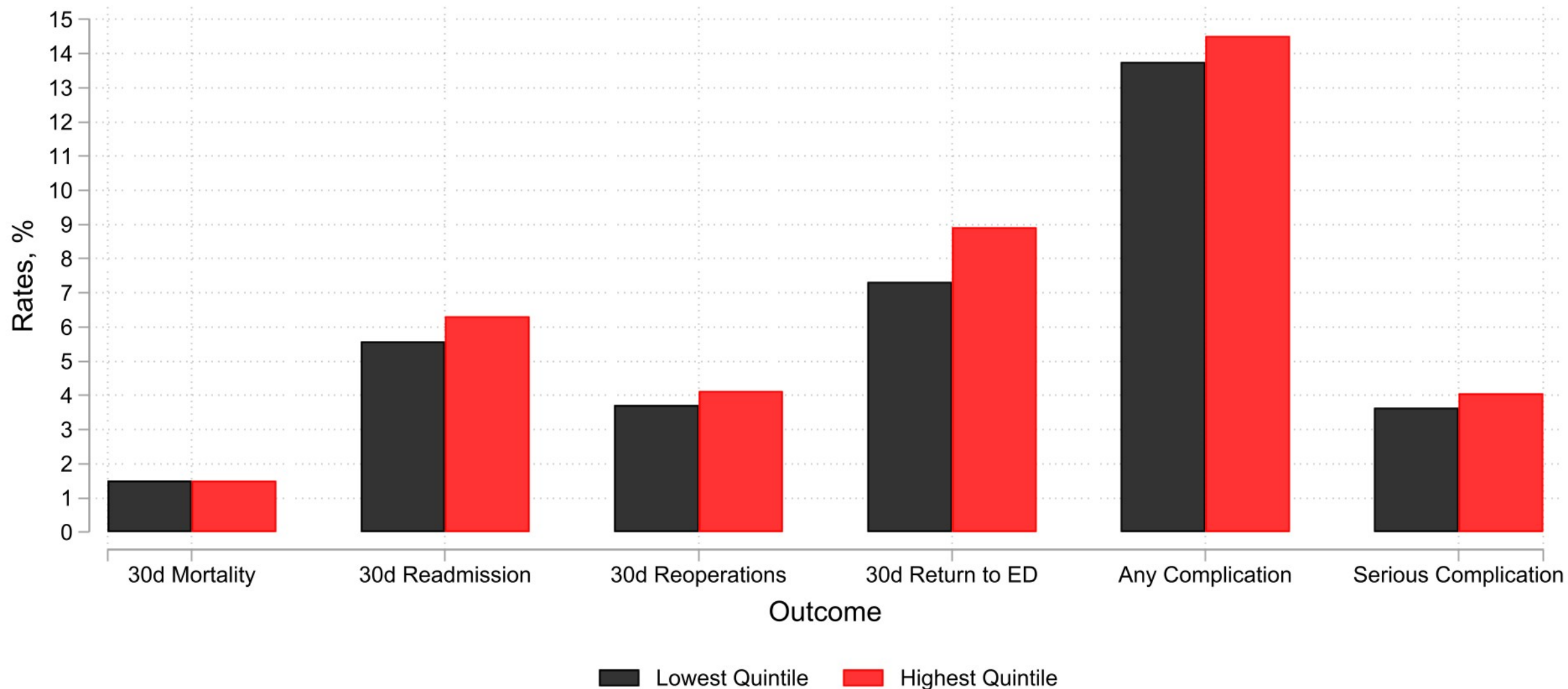


73 hospitals

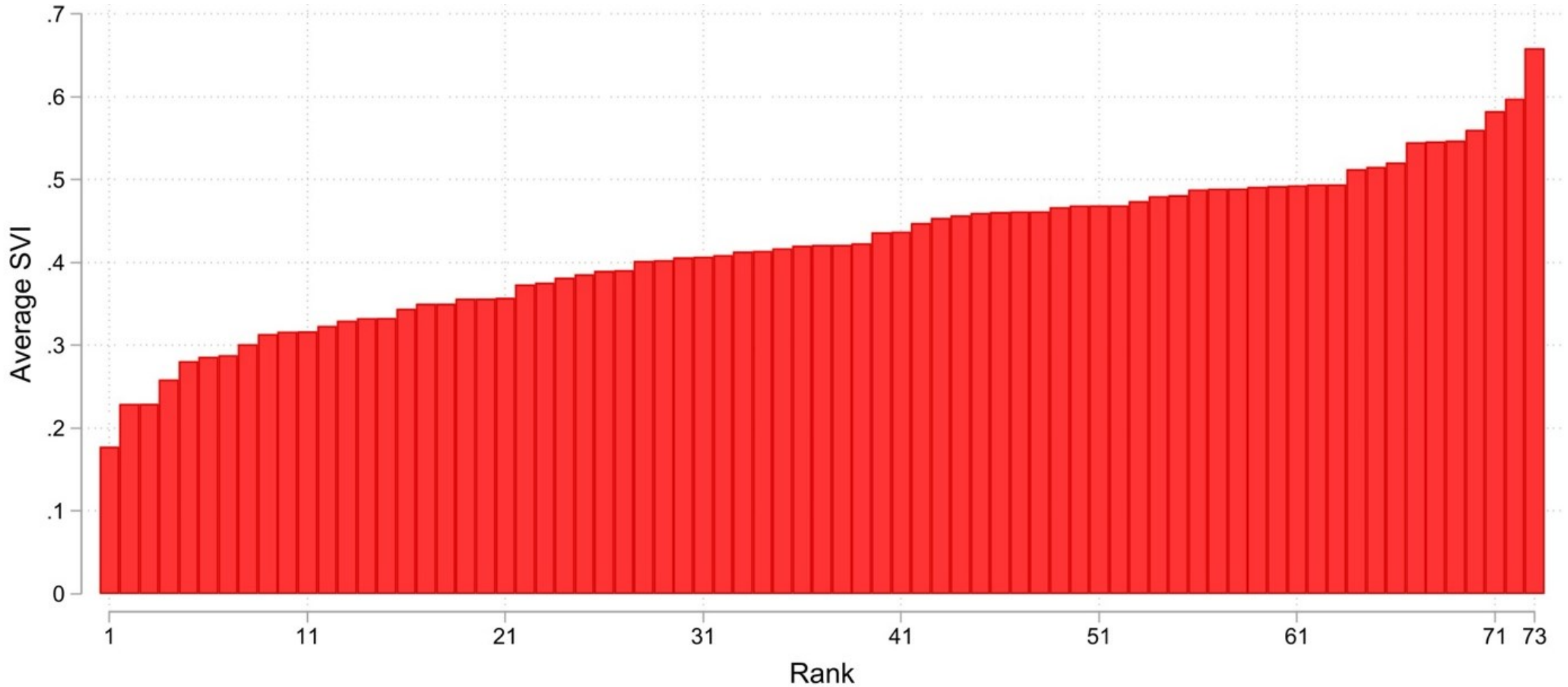
**>500,000
inpatient
operations
(2013-2024)**



Highly vulnerable patients have worse outcomes

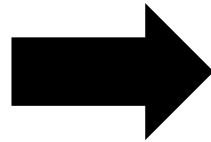


Aggregated SVI at each MSQC hospitals



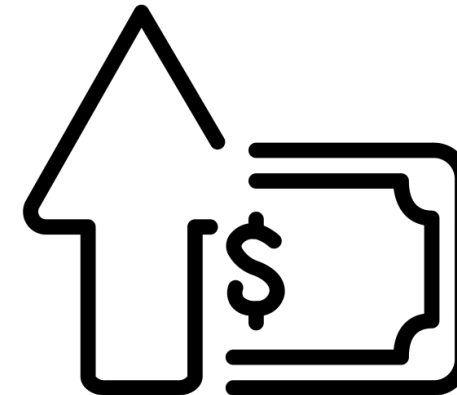
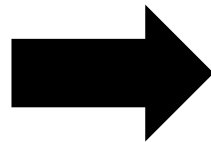
Opportunities to strive for equity in CQIs

1. **Create visibility**
in order to address patient-level disparities



**Health Equity
Dashboards**

2. **Systematically support**
hospitals carrying for disproportionately underserved populations



**Equity-adjusted
Financial
Incentives**

Health Equity Dashboards

	SVI 1-90	SVI 91-100	Age <65	Age 65-79	Age 80+	Race-White	Race-Black
Complications	10% (40/400)	15% (15/100)	...	...	...	...	...
Mortality	1% (4/400)	2% (2/100)	...	...	...	...	...
ED Visits	...	...	...	...	...	...	...

Pro:
Makes disparities visible

Con:
Causes (and interventions)
are not clear

Equity-based adjustment for financial incentives



Hospital Value-
Based Purchasing
Program



?

Please share feedback:



Calista Harbaugh:
calistah@med.umich.edu

Erin Isenberg:
isenbere@med.umich.edu