



# **LMHS Quality Comparisons, Technological Advances and Upcoming Initiatives 2019**

**Presented By:  
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Licking Memorial Health Systems  
April 1, 2019**

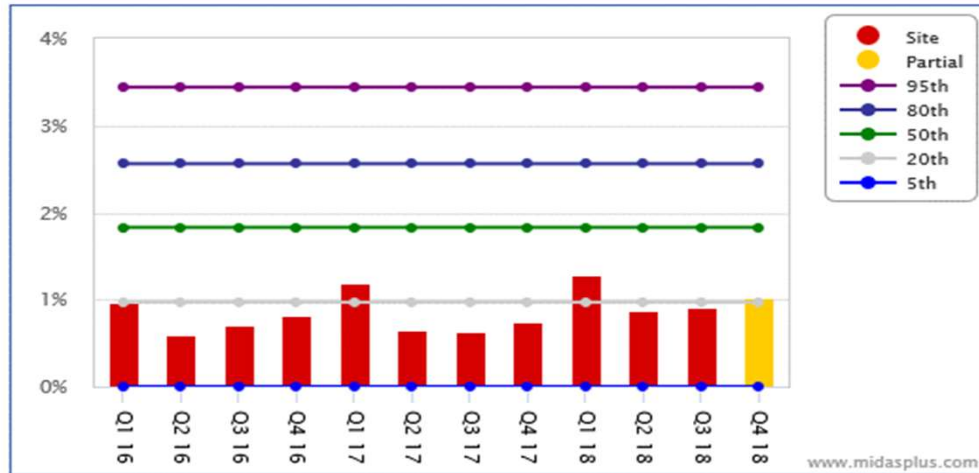


## **Hospital Comparisons**



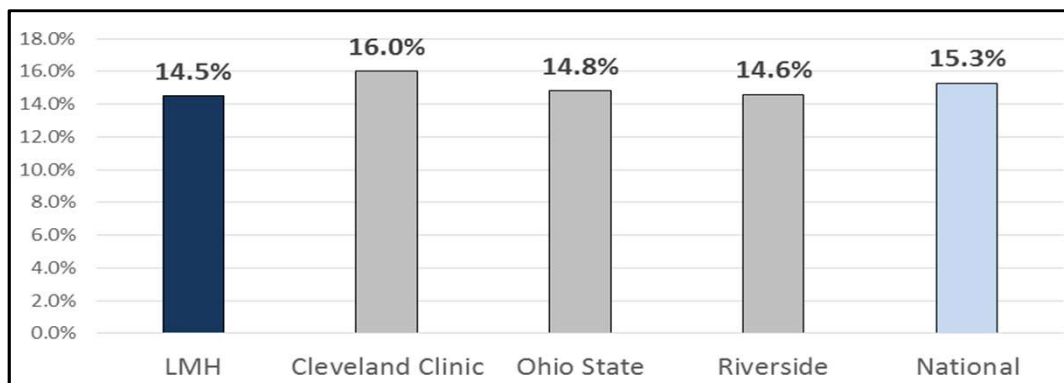
## Licking Memorial Hospital Quality Indicators

Inpatient Mortality – Deaths in the Hospital  
(Lower is Better)



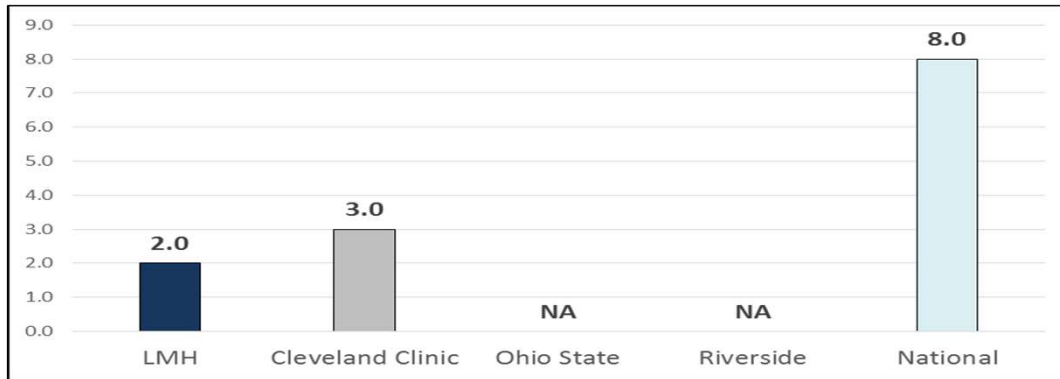
## Licking Memorial Hospital Quality Indicators

All Cause – 30 Day Readmission Rate (Lower Is Better)

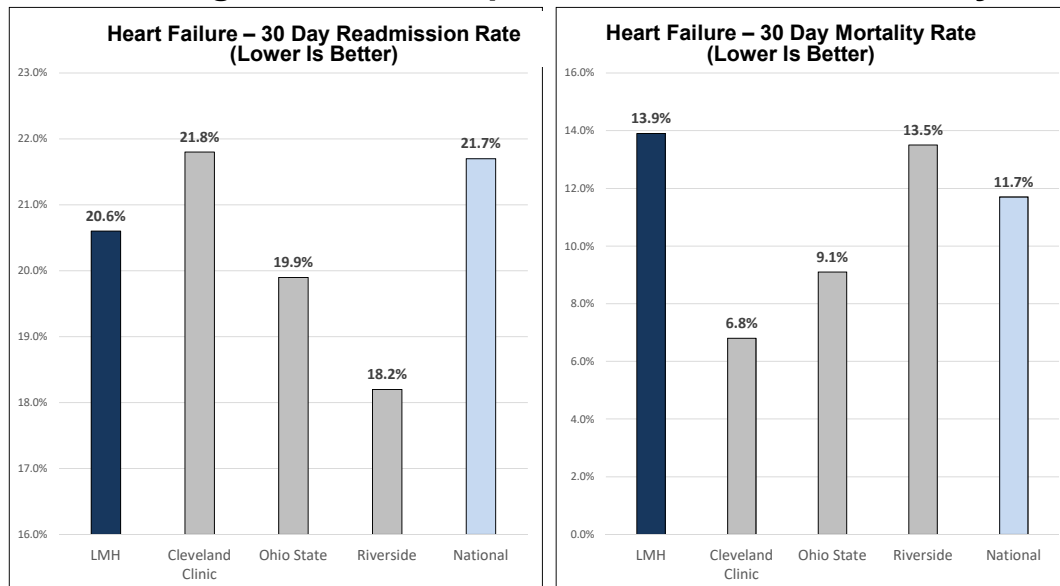


## Licking Memorial Hospital Clinical Quality Indicators

AMI – Median Door-to-EKG Times – in Minutes (Lower Is Better)



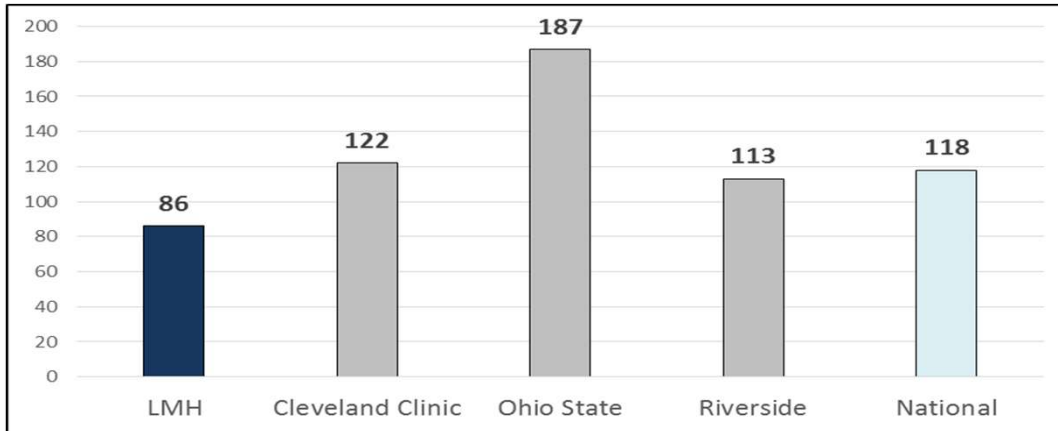
## Licking Memorial Hospital Readmissions/Mortality



## Licking Memorial Hospital Clinical Quality Indicators

ED – Decision to Admit Times for Admitted Patients In Minutes

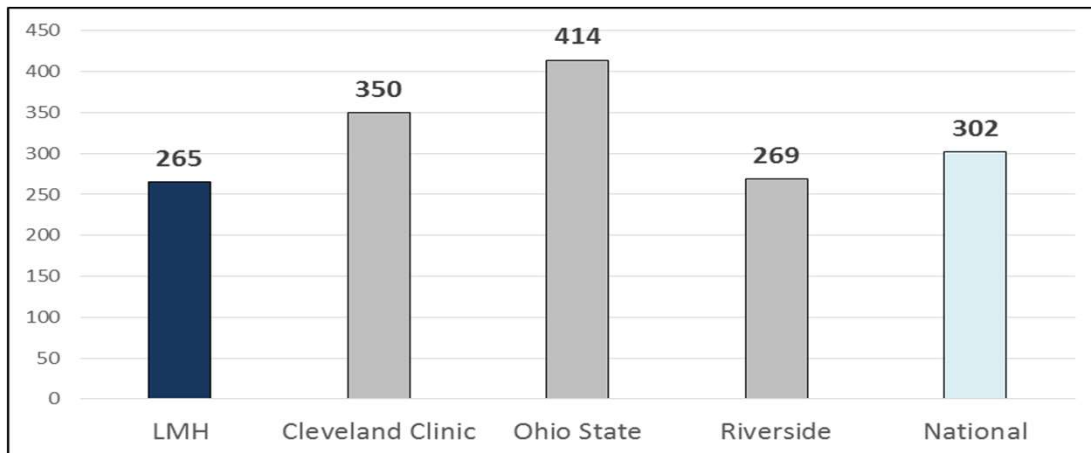
(Lower Is Better)



## Licking Memorial Hospital Clinical Quality Indicators

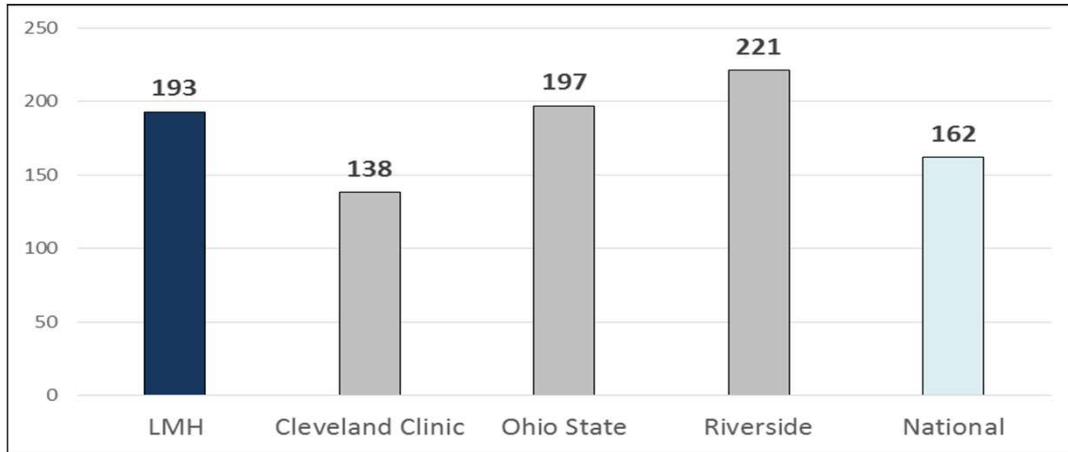
ED – Total Length of Stay in the ED for Admitted Patients – in Minutes

(Lower Is Better)



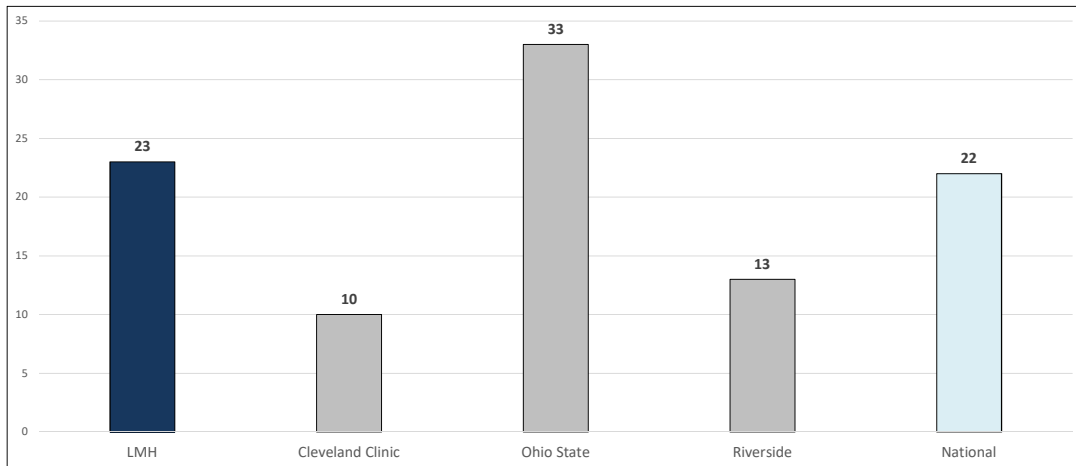
### Licking Memorial Hospital Clinical Quality Indicators

ED – Average Length of Stay for Discharged Patients – in Minutes  
(Lower Is Better)



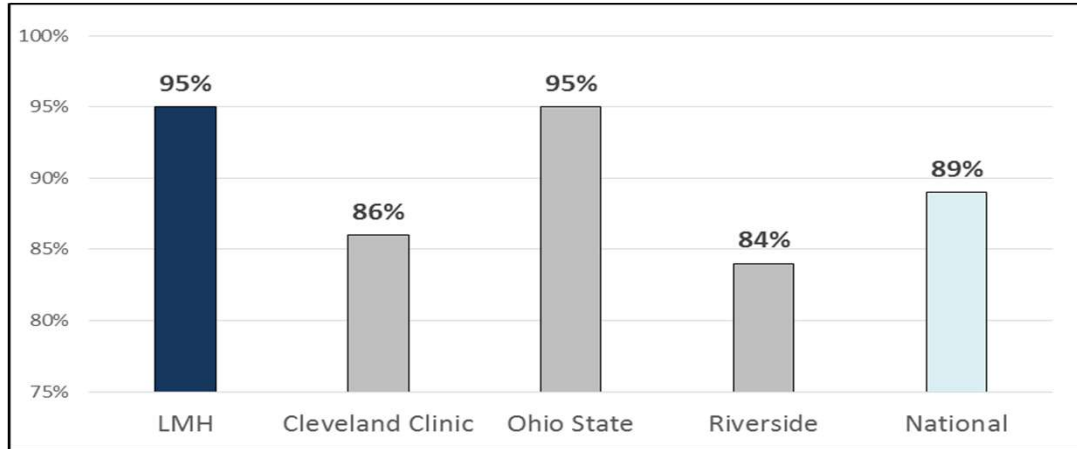
### Licking Memorial Hospital Clinical Quality Indicators

ED – Average Door to Doctor Times for Discharged Patients – in Minutes  
(Lower Is Better)



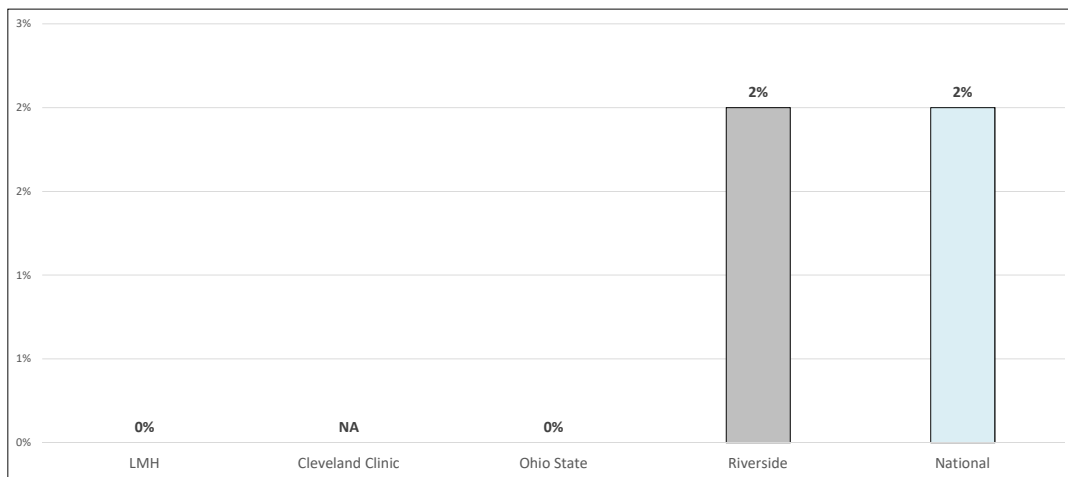
## Licking Memorial Hospital Clinical Quality Indicators

Preventive Care – Influenza Vaccination of Healthcare Workers  
(Higher Is Better)



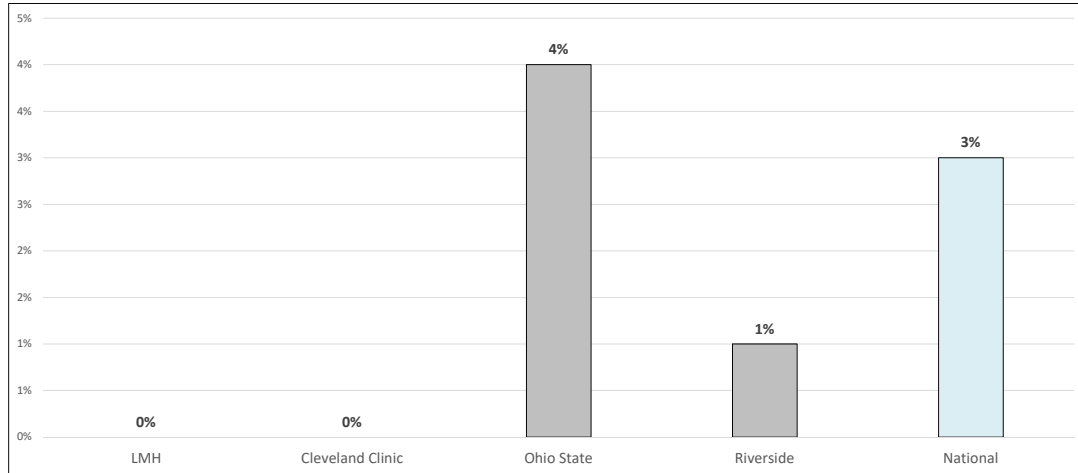
## Licking Memorial Hospital Quality Indicators

Perinatal Care – Percentage of Unnecessary Scheduled Deliveries  
(Lower Is Better)



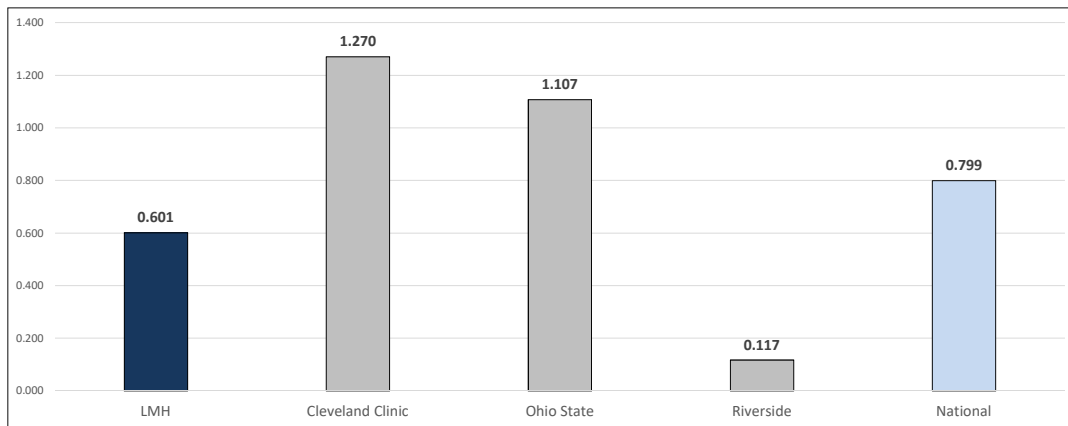
## Licking Memorial Hospital Quality Indicators

Blood Clots – Incidence of Preventable VTE  
(Lower Is Better)



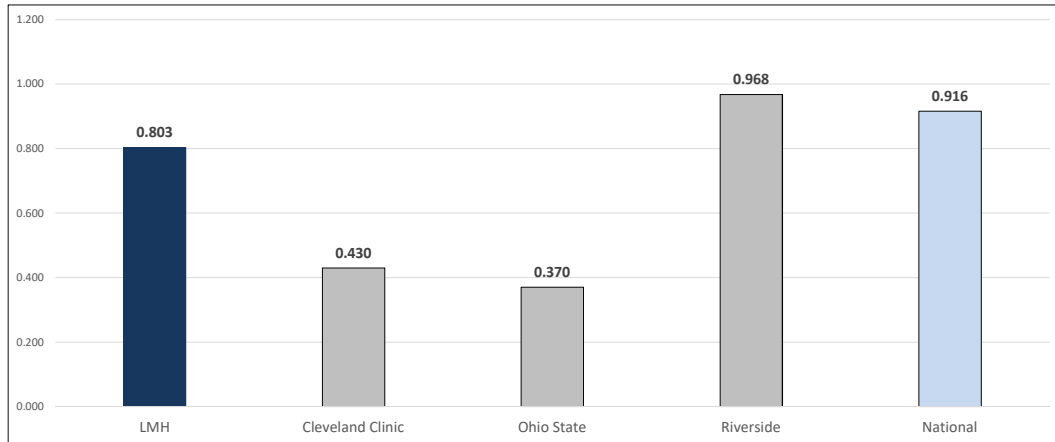
## Licking Memorial Hospital Complications

Complications – Central Line Associated Bloodstream Infections  
Standardized Infection Ratio (SIR)  
(Lower Is Better)



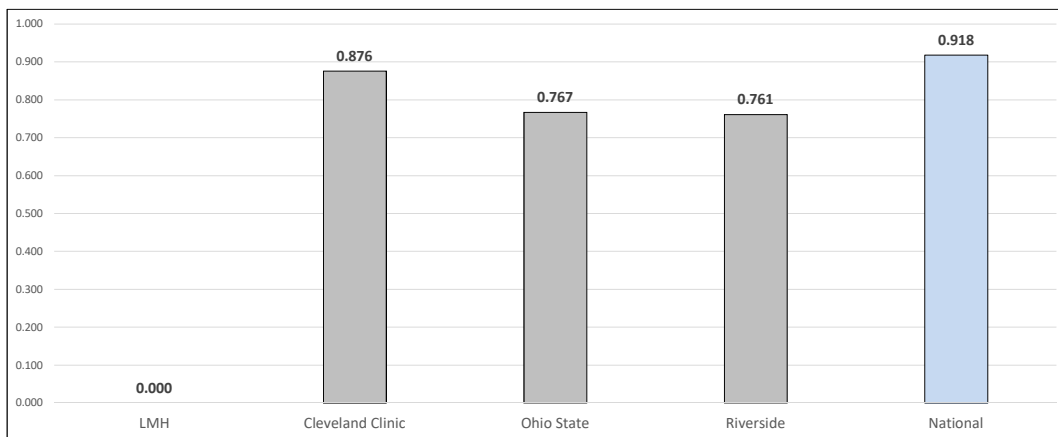
## Licking Memorial Hospital Complications

Catheter-associated UTIs  
Standardized Infection Ratio (SIR)  
(Lower is Better)



## Licking Memorial Hospital Complications

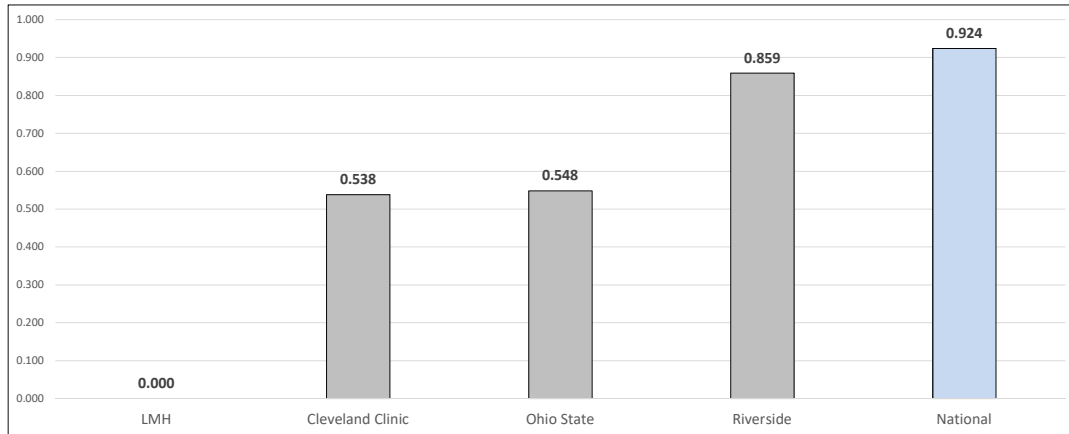
Surgical Site Infection – Colon Surgery  
Standardized Infection Ratio (SIR)  
(Lower is Better)





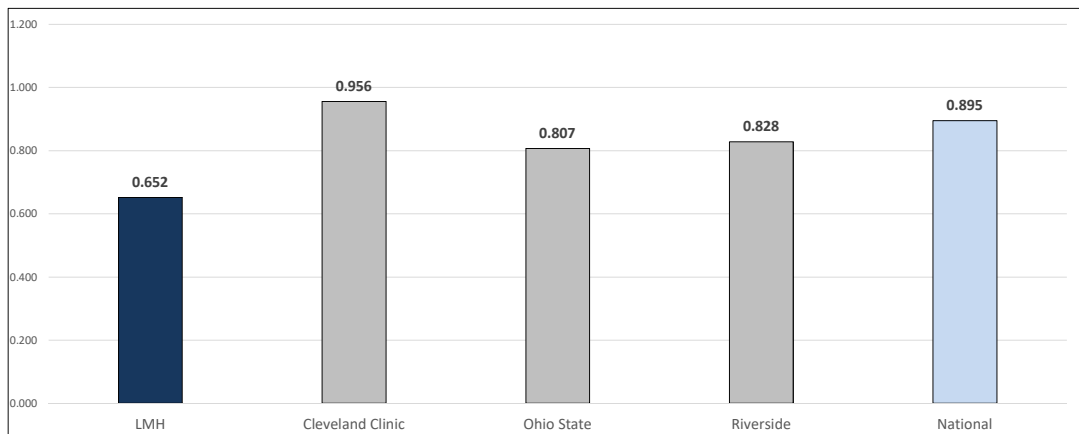
## Licking Memorial Hospital Complications

**MRSA Bloodstream Infections**  
**Standardized Infection Ratio (SIR)**  
(Lower is Better)



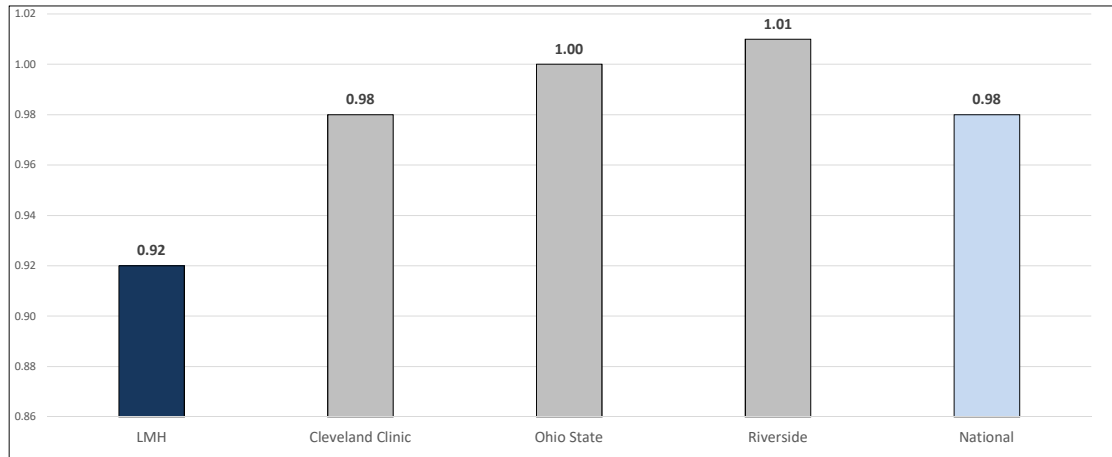
## Licking Memorial Hospital Complications

**C. Diff Infections**  
**Standardized Infection Ratio (SIR)**  
(Lower is Better)



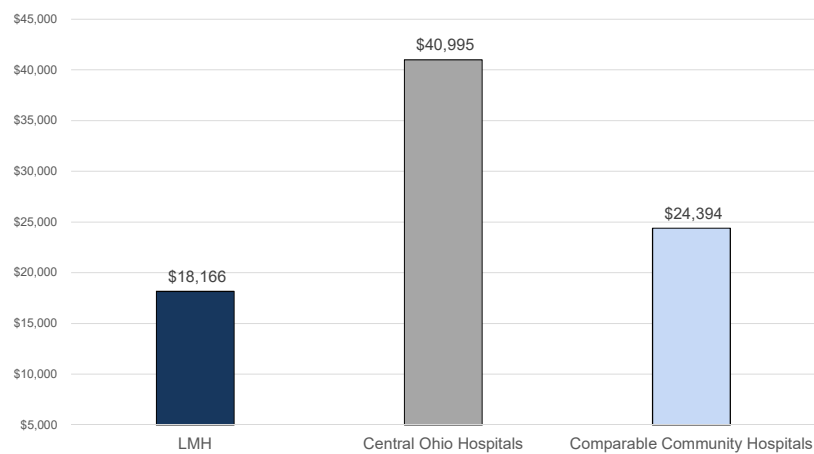
## Licking Memorial Hospital Efficiency Indicators

Medicare Spending per Beneficiary Ratio  
(Lower is Better)



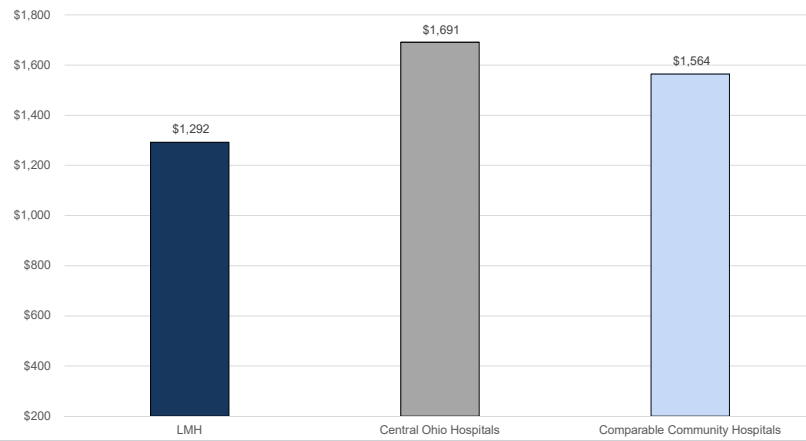
## Licking Memorial Hospital Efficiency Indicators

Average Charges for Heart Failure & Shock



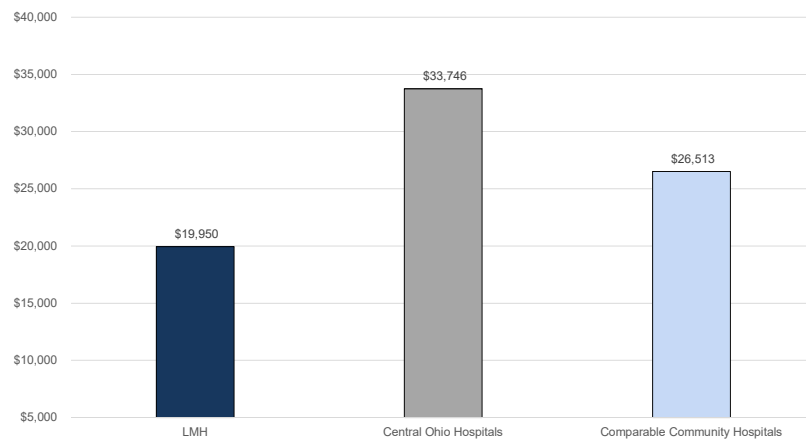
## Licking Memorial Hospital Efficiency Indicators

Average Charges for Emergency Visit Level 3



## Licking Memorial Hospital Efficiency Indicators

Average Charges for Hernia Repair Laparoscopy



## Initiatives Completed in 2018



### Radiology Initiative

- Numerous equipment upgrades
- Significant renovation and re-design
- Room renovation and re-design



## Cardiology Department Renovations

- Increased room size for patient comfort
- Additional room for rehabilitation & technological services



## ScottCare

- Industry-leading cardiac rehab telemetry technology to monitor patients while exercising
- System integrates with our EMR allowing telemetry monitoring to directly feed into the EMR and marries up with documentation by staff
- iPads allow for staff mobility in rehab while monitoring patients
- System assists with development of Individualized Treatment Plans which is required for rehab programs
- Direct integration into the AACVPR registry for accreditation
- Can also be used to support pulmonary rehab services



## BioFire FilmArray Torch

- The latest advancement in molecular infectious disease diagnostics
- Tremendously reduced infection diagnosis time
- Specifically beneficial to ED patients
  - Decreased turnaround time
  - Lower admission and transfer rates



## Suspension Training



- LMH one of the first hospitals in the Country to install a state-of-the-art system
- Utilizes body weight and gravity as resistance to build strength, balance, coordination, flexibility and core and joint stability
- Additional benefit of a total body workout by engaging a broad range of muscle groups
- Can improve mobility, endurance and cardiovascular functions
- Very low impact



## Meaningful Memories Program

- Patients are those with a poor prognosis while in the hospital and/or there is a planned withdrawal of life support
- The physician must agree that the patient is appropriate for the program
- A variety of wish options are available including but not limited to:
  - Thumbprint memories, decorate room, favorite meal, personal care options, heartbeat bear, memory board, family party, game or movie night, and photos



## CertaScan Technology



## New Employee Wellness Center



## Initiatives in the Works and Those Yet to Come





## Nurse Call Light System

- Customizable touch screen panel in patient rooms
- Integrates to the EMR allowing automation of dome light functionality
- Color-coded patient status lights in hall
- Pillow speakers have specific options for patient to call for water, pain medication, or the toilet
- Bathroom pull speakers with two-way communication in select locations
- Robust reporting to help manage call light response time



## Laboratory Expansion

- Open-concept laboratory
- Automated track system
- 9,000 sample refrigerated storage module
  - Automatic location and disposal of expired samples
- Several new instruments possessing updated technology
- The updated system can perform up to 2,400 tests per hour
- New design features movable workspaces



## Laboratory Expansion



## Medical Campus Expansion



- 32,210 sq. ft. addition
- New location for Physical, Occupational and Speech Therapy, Dermatology and Gastroenterology physician offices
- Increased parking and access from Terrace Avenue



## 2000 Tamarack Outpatient Surgery



- Renovation of outpatient surgery rooms
  - 13 private rooms converted in current phase
  - 9 private rooms to be converted in the next phase



## Additional 2018 – 2019 Initiatives

- Sixth Floor Inpatient Private Rooms
- Health Coaches
- Follow-up Clinic
- Comprehensive Electronic Health Record
- Transportation
- Homelessness project



## **Tying It All Together... A Patient's Story**

