Ohio Hospital Association

Executive Sponsorship of Sepsis Improvement Initiatives

Presenter: Michael R Uhl, MSN, MBA, RN, CEN, FACHE
President, Atrium Medical Center
Introduction

Michael R Uhl, MSN, MBA, RN, CEN, FACHE
President, Atrium Medical Center

- Registered Nurse with over 20 years of healthcare experience, in both acute hospitals and healthcare system environments.
- Consulted with healthcare organizations across the country on strategic financial and operational enhancements to improve both clinical and financial outcomes.
- Primary areas of expertise include innovative strategy development, hospital operational and financial improvements, process redesign, predictive modeling, and lean/six sigma applications in the healthcare setting.

Serves as the president for Atrium Medical Center, part of Premier Health.
FACTS ABOUT ATRIUM MEDICAL CENTER

FOUNDED IN 1917, ATRIUM MEDICAL CENTER IS A FULL-SERVICE, ACUTE CARE HOSPITAL WITH A LEVEL III TRAUMA CENTER CONVENIENTLY LOCATED OFF I-75 IN MIDDLETOWN, OHIO

Atrium is a member of Premier Health.

SERVICES

- Accredited chest pain center with advanced cardiovascular services, including interventional cardiology and electrophysiology, and featuring the left atrial appendage closure procedure
- Comprehensive community cancer center program, with access to clinical trials
- Verified Level III emergency trauma center from the American College of Surgeons, which features a Senior Emergency Center and inpatient behavioral health services
- Family Birth Center with Level II special care nursery and Natural Beginnings Birth Center with midwifery, water birth and childbirth education services
- Women's Center with breast cancer care accreditation and DEXA bone density scans, physical therapy for pelvic floor disorders
- Inpatient and outpatient surgical services, including minimally invasive, robotic surgery options
- Wound Care and Hyperbaric Services, with specialized treatment such as hyperbaric oxygen for chronic wounds
- Sports medicine, physical therapy and aquatic therapy, in addition to inpatient and outpatient rehabilitation services

MISSION

WE WILL IMPROVE THE HEALTH OF THE COMMUNITIES WE SERVE WITH OTHERS WHO SHARE OUR COMMITMENT TO PROVIDE HIGH-QUALITY, COST-COMPETITIVE HEALTH CARE SERVICES.

KEY FACTS — 2016

- Licensed Beds: 328
- Physicians: 425
- Physician Specialties: 55
- Employees: 1,499
- Volunteers: 263
- Admissions and Observations: 12,921
- Outpatient Visits: 185,603
- ER Visits: 57,578

KEY PHONE NUMBERS

Information: (513) 974-2111
Patient Experience: (513) 974-5072
Job Search: (513) 974-5255
Physician Referral: (866) 608-FIND

GO TO OUR WEBSITE: atriummedcenter.org, TO VIEW OUR LATEST RECOGNITIONS AND ACCREDITATIONS, FURTHER EXPLORE THE LATEST COMMUNITY SERVICE PROJECTS AND HEALTH EVENTS THAT WE OFFER.
Objectives for Session

Provide an overview of executive level engagement to sepsis management improvement

Provide a program construct for sepsis program management

Provide awareness of initiatives sponsored from an executive level to improve sepsis management
SEPSIS IS THE LEADING CAUSE OF DEATH IN U.S. HOSPITALS

SEPSIS READMISSIONS COST > $2 BILLION/YEAR

258,000 PEOPLE DIE FROM SEPSIS EVERY YEAR IN THE US

SEPSIS COSTS HOSPITALS > $24 BILLION EACH YEAR
Things We Identified

- Increased need for formal means of sharing education/updates with physicians
- Focused education to meet the needs of multiple clinical disciplines
- Need for ongoing training and education
Initiated to Address Sepsis Crisis

- Quality Case Review

- Sepsis Crisis Process Map

- Initiated Monthly Quality Sepsis Meetings to educate/update physicians and develop Action Plan

- Educated physicians on their role as “Sepsis Ambassadors”

- Developed “Sepsis Awareness Program”

- Formed a Sepsis Crisis Committee that includes hospital unit educators and bedside nurse serving as “Sepsis Champion”
Challenges Addressed

- Improvement of order set usage
- Continuous Monitoring
- Educational Needs
- Resource Management
Additional Initiatives

- Additional Sepsis Crisis Committee (SCC)
  Education regarding:
  - Sepsis Pathophysiology
  - Sepsis Core Measures
  - Binders and Sepsis Awareness Pins

- Continued physician education, adding AO to Sepsis Crisis Committee, initiating ACT calls for Focused Exam requirement during off hours

- Began Sepsis BPA (Best Practice Alert) monitoring

- Quality Sepsis Fallouts meeting
Ongoing Initiatives

Unit Educators and Sepsis Champions began “One on one” BPA education

Sepsis BPA Monitoring and one-on-one education continued

Pharmacy Education - “Antibiotics used in Sepsis”

Bi-monthly meetings continued
Improvements

• 50% reduction in OFIs (Opportunity for Improvement) from 1st to 2nd Q.

• Use of order sets improved on mortality patients.
Improvements in BPA Completion

Nursing Units
Sepsis BPA Completion

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<tr>
<th>Month</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Month 1</td>
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Moving Forward

Sepsis BPA Completion
Inpatient Units
ETC / Units Sepsis Fall outs

2nd Q 2018

Sepsis Fallouts

- Initial Lac acid
- Repeat lac acid
- Bld cult
- ATB Selection
- ATB Timing
- Focused Exam

Legend: Units, ETC, Column1
2nd Q fall outs Sepsis Order Set Used

Sepsis Order Set Used

- Yes
- No

Premier Health
Atrium Medical Center
atriummedcenter.org
Order sets usage for fall outs compared to Mortality

Sepsis Order Set Used

Yes
No

Sepsis Mortality Orderset Usage

Yes
No
Questions