Surviving Sepsis: How Florida Hospital New Smyrna Reduced Sepsis Mortality
September 20, 2018

Agenda

- FHA Mission to Care HIIN Sepsis Trends and Progress
  Cheryl Love, RN, BSN, BS-HCA, MBA, LHRM, CPHRM, Director of Quality and Patient Safety and Improvement Advisor
- Surviving Sepsis: How Florida Hospital New Smyrna Reduced Sepsis Mortality
  - Karen Pittman, RN, Quality-Clinical Auditor
  - Fortunata Hansen, MSN, RN, Director of Clinical Improvement
- FHA Mission to Care HIIN Resources
- Upcoming HIIN Events and Opportunities
What works?

• Early recognition
  – It is important that we educate our communities
    • As many as 87% of sepsis cases originate in the patient’s community
    • EMS - First responder training and sepsis alert protocols
    • In-hospital - Frequent assessment using established criteria

• The Surviving Sepsis Campaign Bundle: 2018 Update
  – The 3-h and 6-h bundles have been combined into a single “hour-1 bundle” with the explicit intention of beginning resuscitation and management immediately.
    • Measure lactate level.
    – Remeasure if initial level is >2mmol/L
    • Obtain blood cultures prior to administration of antibiotics
    • Administer broad-spectrum antibiotics
    • Begin rapid administration of 30ml/kg crystalloid for hypotension or lactate >4mmol/L
    • Apply vasopressors if patient in hypotensive during or after fluid resuscitation
Sepsis Post-op Rate

Overall Sepsis Mortality

Source: Comprehensive Data System, September 9, 2018
How Florida Hospital New Smyrna Reduced Hospital Onset of Sepsis Mortality

Presented by: Karen Pittman, RN
September 18, 2018
**Objectives**

Our organization
Identify sepsis mortality priority
Results of analysis
Adherence to best practices
Effectiveness of actions
Barriers
Sustainability

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**Our Legacy**

Judge Bert Fish

1954 Opening Day

1974 74 Bed Tower

2016 Adventist Health System Acquires Bert Fish Medical Center

2018
Our Trusted Team

- 112 Beds
- 719 Employees
- 332 Doctors
- 114 Volunteers

Serving Our Community

- 28,918 ER Visits
- 5,227 Inpatient Admissions
- 1,542 Inpatient Surgeries
- 3,092 Outpatient Surgeries
Identified Sepsis Mortality as a Priority

Results of Analysis
New Florida Hospital acquisition
High mortality
Staff did not:
  - Recognize early signs and symptoms
  - Understand best practice treatment options
Limited data available
**Adherence to Best Practices**

Regional Sepsis collaborative
Standardization of care
Algorithm and checklist
Frontline and Physician champions
Campus committee meetings

Institute “Sepsis Alert” processes
Access to data
Concurrent monitoring
Region report
Daily notification to providers

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**Effectiveness of Actions**

- Mortality Rate, %
- 3 Hr Bundle Met, %

Severe/Shock Mortality 0.0%

[Graph showing the effectiveness of actions with data points for mortality rate and 3-hour bundle met percentage from January 2018 to September 2018.]
## Barriers

Lack of understanding
No sense of urgency
“Just one more thing for us to do”
Lack of best practice buy-in
Culture challenges

Resistance with practice change
Frontline staff overload
Lack of time
Limited participation in practice change strategies

## Sustainability

### Education:
- Current nurses
- Physicians
- Ancillary staff
- Community
- New hire orientation
- Skills fair

### Continued:
- Regional sepsis collaborative
- Campus committee
- Concurrent monitoring
- Communication
- CMO involvement
- Sepsis champions
Extending the healing ministry of Christ

MTC HIIN Resources

- Change Packages and Top 10 Checklists
- Date of Last Septic Event Poster
- Post-op Prevention Process Improvement Discovery Tool
- Sepsis Podcast
- LISTSERVs

HRET HIIN Website: www.hret-hiin.org
MTC HIIN Resources

- Webinars and Coaching Calls
- National Experts
- Quality Improvement Fellowships
- Patient and Family Engagement Learning Collaborative
- Chasing Zero Infections Series
- Safety Culture Survey
- UP Campaign – SOAP UP, GET UP, WAKE UP, SCRIPT UP

FHA MTC HIIN Website: [www.fha.org](http://www.fha.org)

HRET HIIN Website: [www.hret-hiin.org](http://www.hret-hiin.org)

MTC HIIN Upcoming Events

- **Sep. 21** – Fall Injury Prevention Strategies
- **Oct. 4** – Reducing Diagnostic Errors: Leading Practices
- **Oct. 5** – Readmissions Multi Visit Patient (MVP) Webinar #1
- **Oct. 16** – TeamSTEPPS Check-in Webinar
- **Oct. 18** – Falls Fishbowl #1
- **Oct. 18** – MDRO Session #1

Check the [MTC HIIN Upcoming Events Calendar](http://www.fha.org) for details and registration
Congratulations, Florida Hospitals!

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We are here to help!
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