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9-2020

The Role of a Designated Sepsis Nurse in Improving Outcomes

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The Role of a Designated Sepsis Nurse in Improving Outcomes

BACKGROUND –

- Each year, at least 1.7 million adults in America develop sepsis, with almost 270,000 resulting in death.
- Impacting on cost for each ministry

Average Direct Variable Cost (Jan-Oct 2018)

- ▶ 871- \$11,900
- ▶ 872- \$5,887

* 2019 System Goal-Decrease cost by \$200 per case

METHODS

- Quantitative and qualitative data collection via VOA dashboard and real time sepsis fallouts compared to shifts worked by sepsis RN

O/E Ratio 2018 YTD vs 2019 YTD vs June 2019

2018 Prior Calendar Year (PY)	2019 YTD	June 2019 Latest Month
1.08 O/E Ratio (74 observed / 68.52 expected)	1.17 O/E Ratio (44 observed / 37.66 expected)	0.79 O/E Ratio (4 observed / 5.09 expected)
14.4% Mortality Rate (74 observed / 513 cases)	16.0% Mortality Rate (44 observed / 275 cases)	8.5% Mortality Rate (4 observed / 47 cases)

RESULTS AND OUTCOMES

- This Sepsis RN trail shows the positive impact on not only the care of the patient, but on the cost of patient care.
- Reduction of ICU admissions by 50% for sepsis patients when sepsis nurse working
- Positively impacting on overall ministry cost of sepsis patient care

FURTHER RESEARCH/IMPLICATIONS FOR PRACTICE

- Clinical nurse specialist, historically have shown dramatic benefits when targeted to such areas of stroke, stemi and cardiology care.
- Hire a sepsis co-ordinator or utilize resource RN to attend to sepsis patients bedside

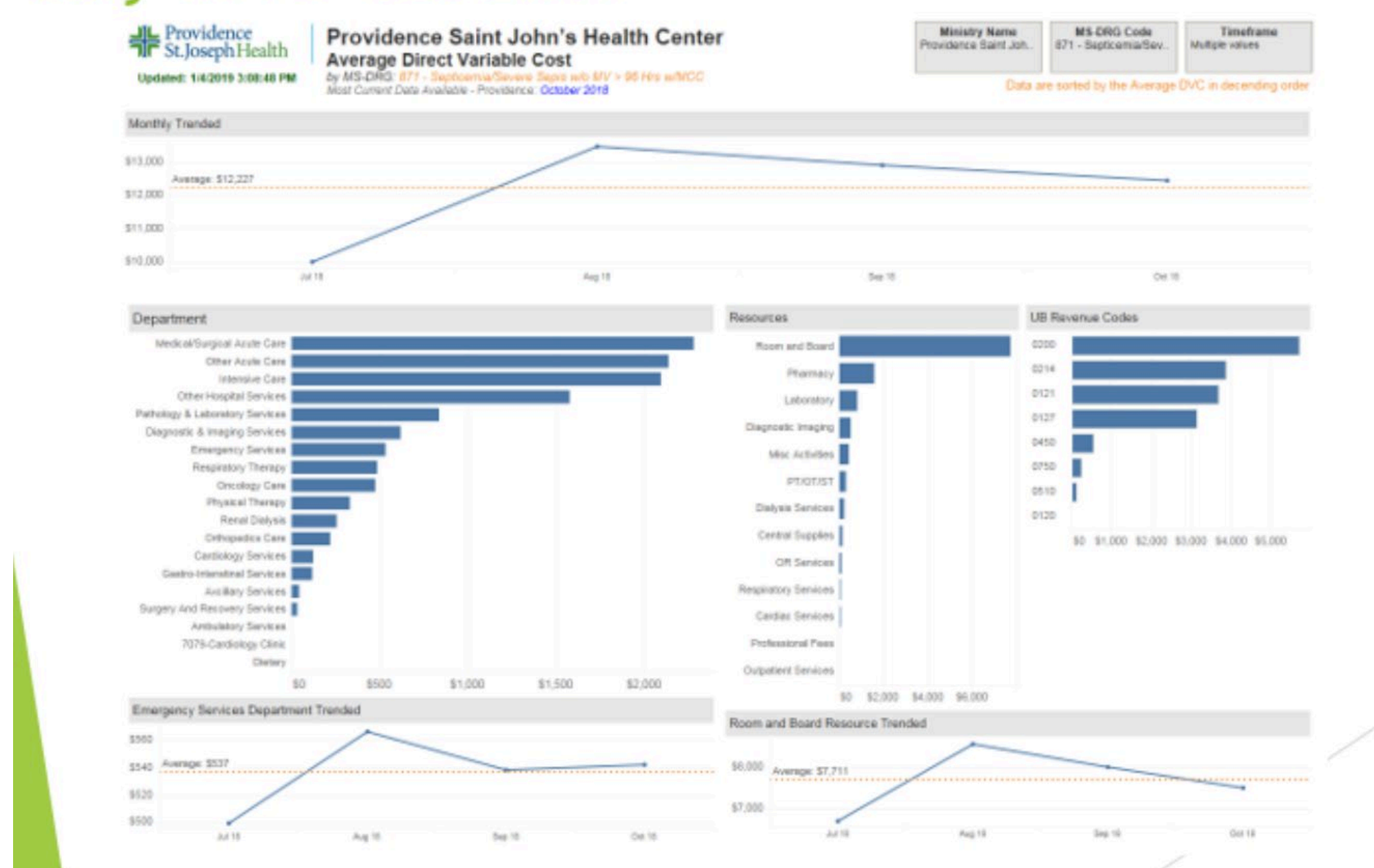
PURPOSE

- Decrease the mortality rates of sepsis patients
- More specifically DRG 871 – severe sepsis
- Decrease cost of sepsis care for specific ministries
- Reach system goal of cost savings per case
- (2019 \$200 cost per case)

REFERENCES

- Sepsis alliance.org, 2019
- Socal VOA tableau dashboard, 2019

Average Direct Variable Cost DRG 871 July 2018-Oct 2018



CONCLUSIONS/DISCUSSION

- Sepsis RN positively impacted overall outcomes including
 - ✓ Patient care
 - ✓ Mortality rates
 - ✓ Cost
 - ✓ 3 & 6 hour bundle compliance