INTRODUCTION
In a multi-center, retrospective and observational study of adult patients with a discharge diagnosis code of severe sepsis or septic shock, adherence with severe sepsis/septic shock management bundles was found to be associated with improved survival. And, in a meta-analysis done on 50 observational studies, it showed that performance improvement programs were associated with increased compliance with the bundle. Jamaica Hospital had always performed below goal when it came to adherence to the sepsis bundle. A concurrent compliance review process was implemented by the Performance Improvement department to increase bundle compliance in all potential sepsis patients admitted at Jamaica Hospital Medical Center.

OBJECTIVES
To improve compliance to the three-hour and the six-hour bundle, to a goal of equal or greater than 75% at Jamaica Hospital Medical Center.

METHODOLOGY
- Daily review of all inpatients and new admissions were done daily from May 2021 to October 2022.
- Daily abstraction of SEP-1 bundle measures for each patient reviewed, with a working diagnosis of sepsis, severe sepsis or septic shock was done.
- Feedback of measure compliance, or lack of, are given to providers daily.
- Reminders were given by the team via call or messaging, when timely and necessary.
- After discharge, data analysis was done using the CMS Sep-1 bundle specifications.

RESULTS
The data shows that as the concurrent compliance review process was introduced to the system, bundle compliance has increased over time, from 66% to 86%. This increase have been sustained during the last seven months of the review period.

CONCLUSION
In recent times, electronic health records have made it easier to build standards of care and guidelines into the system. But, for various reasons, these guidelines have been proven to be difficult to implement. Reasons can vary from physician resistance to incomplete understanding of the need for the guidelines. With the implementation of this concurrent compliance review process, Jamaica Hospital was able to increase the bundle compliance rates and allowed for education and reinforcement to providers about the importance of adhering to the bundle.

REFERENCES

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