

## Charleston Area Medical Center's sepsis initiative reduces mortality rate from 37% to 23%, average LOS by 2 days, cost per case by \$5,000

Charleston (WV) Area Medical Center, four hospitals: General, Memorial, Women and Children's, and Teays Valley; 845 staffed beds. Premier QUEST and HQID top performer.

### CHALLENGE

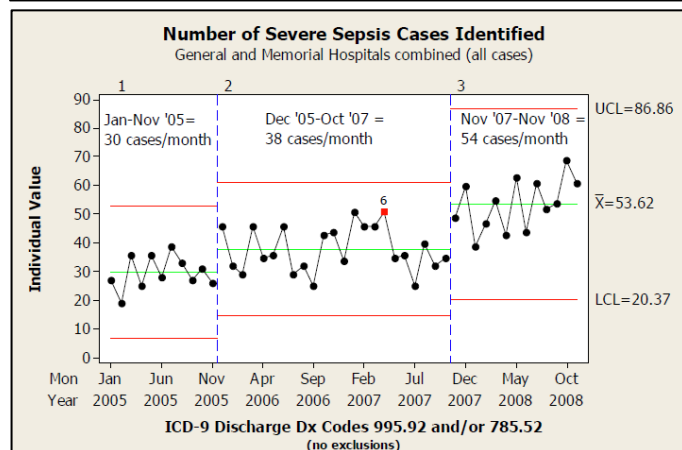
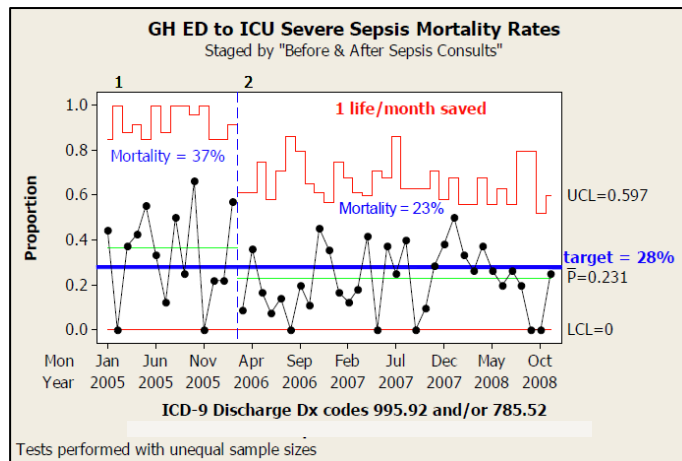
Mortality rate for patients presenting to Emergency Department with severe sepsis/septic shock

### SOLUTION

- Created admissions report to track patients admitted through ED with severe sepsis/septic shock
- Hired Clinical Sepsis Coordinator to track inpatients
- Participated in Surviving Sepsis Campaign database
- Organized hospital meetings as well as multihospital Steering Committee
- Joined the Surviving Sepsis Campaign in 2005
  - implemented guidelines for management of severe sepsis and septic shock
  - successfully decreased mortality rates, average length of stay, and cost/case by
- Under direction of two physician champions and hospital Sepsis Steering Committee, campaign guidelines first implemented in ED to ICU population at General Hospital and then to Memorial and Women and Children's hospitals

### RESULTS

- Mortality rates decreased from 37 percent to 23 percent
- Average length of stay decreased two days
- Cost per case decreased by \$5,000/case



“Using the Premier ClinicalAdvisor™ quality tool, Charleston Area Medical Center identified sepsis as a key contributor to the medical center's overall mortality. The analysis also identified cost opportunities for improvement. With that information as a start, we were able to design programs to positively impact our patients' outcomes while reducing cost of care.”

*Glenn Crotty, Jr., M.D.  
Chief Operating Officer  
Charleston Area Medical Center*

### FOR MORE INFORMATION:

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