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## Quality of Care and Outcomes Assessment

### THE ECONOMIC IMPACT OF IMPLEMENTATION OF APPROPRIATE USE CRITERIA ON VOLUME OF PCI CASES AND MEDICAL COST SAVINGS AT A LARGE COMMUNITY HOSPITAL

Poster Contributions

Poster Sessions, Expo North

Saturday, March 09, 2013, 10:00 a.m.-10:45 a.m.

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Authors: *Pranav Puri, Bobette Patterson, Jennifer Carrol, Darshan Hullon, Sanjeev Puri, Trinity Regional Healthcare System, Rock Island, IL, USA*

**Background:** The focus of healthcare delivery is shifting towards providing high quality healthcare at lower costs. Nationally, more than \$10 billion is spent annually on Percutaneous Coronary Interventions (PCI). The objective of this study is to quantify the economic impact of the implementation of Appropriate Use Criteria(AUC) on the volume of Percutaneous Coronary Interventions at a large community health center.

**Methods:** In a large community hospital, AUC was implemented in February, 2012. The volume of PCI was measured for six consecutive months and compared to that of six corresponding months from the years 2010 and 2011. The number of interventional cardiologists did not change over the time periods. The volume of patients seen by the cardiologists did not decrease in the corresponding time periods.

**Results:** During the three consecutive years, the number of coronary interventions decreased from 761 in 2010, to 715 in 2011, and after implementation of AUC in 2012 to 520. The maximum decline of 27% was after implementation of AUC. The diagnostic cardiac catheterization procedures decreased by 9% from 1023 in 2011 to 933 in 2012.

**Conclusion:** If similar trends are extrapolated nationally, implementation of AUC would lead to cost savings of more than \$2.3 billion to the national healthcare system.