

Development of a Process to Recognize Pediatric Sedation Centers of Excellence

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Introduction: Creating the Center of Excellence (CoE) Designation became a primary goal of the Society for Pediatric Sedation (SPS) Quality and Safety (Q&S) Committee in 2015, requiring the development of a systematic process to identify pediatric sedation programs with an exceptional commitment to quality.

Methods: The “SPS Pediatric Sedation Service CoE Consensus Statement” served as the framework for the Q&S Committee CoE Subgroup to develop an application evaluating a sedation center’s ability to meet the Consensus Statement goals and metrics. The application structure represented the six Institute of Medicine Quality Aims and included narrative, short answer, and multiple-choice questions, with two narrative quality stories as a large component. No site visit was planned, so de-identified patient documentation served as a substitute for patient tracers. The application and scoring rubrics for each section underwent multiple revisions, including input from volunteers who submitted and scored trial applications. The final application was converted into a web-based platform, and a RedCap¹ rubric-based scoring survey was developed for reviewers. Based upon the trial applications, the subgroup established the designation criterion to be a score of 80% of 185 total points. The application process opened on October 9, 2017.

Results: The application development process from inception to the first CoE Designation took 29 months. Nine institutions applied during the first round. Scores from three reviewers for each individual application were consistent (reviewer scores of a single application ranged 3-9%, median 3%). Six applications met the criteria for Sedation CoE to be announced at the May 2018 SPS conference. Final scores showed a large difference between institutions that met the criteria and those that did not. (Fig. 1)

Discussion: The SPS Q&S Committee developed a robust tool for the comparison of sedation service quality with consistent reviewer scoring stringent enough to recognize programs providing exceptional quality pediatric sedation.

¹Paul A. Harris, Robert Taylor, Robert Thielke, Jonathon Payne, Nathaniel Gonzalez, Jose G. Conde, Research electronic data capture (REDCap) – A metadata-driven methodology and workflow process for providing translational research informatics support, J Biomed Inform. 2009 Apr;42(2):377-81.