

Pediatric CRRT: A Survey of Program Characteristics

Theresa A Mottes¹, APRN, CPNP-AC, CDN, Katie Plomaritas², BSN, RN, Jolyn L Morgan³ MSN, ARPN, CNP, CDN



¹Texas Children's Hospital, Houston TX

²C.S. Mott Children's Hospital, Michigan Medicine, Ann Arbor MI

³Center for Acute Care Nephrology Cincinnati Children's Hospital, Cincinnati OH

Background

Since the early reports of pediatric continuous renal replacement therapy (CRRT), the landscape has evolved over time. Recent literature suggests an increase in the frequency of the therapy, as well as better described procedures. However, there is a paucity of information on programmatic development and changes. This study's purpose is to assess the current state of individual CRRT programs as well as changes over the past decade.

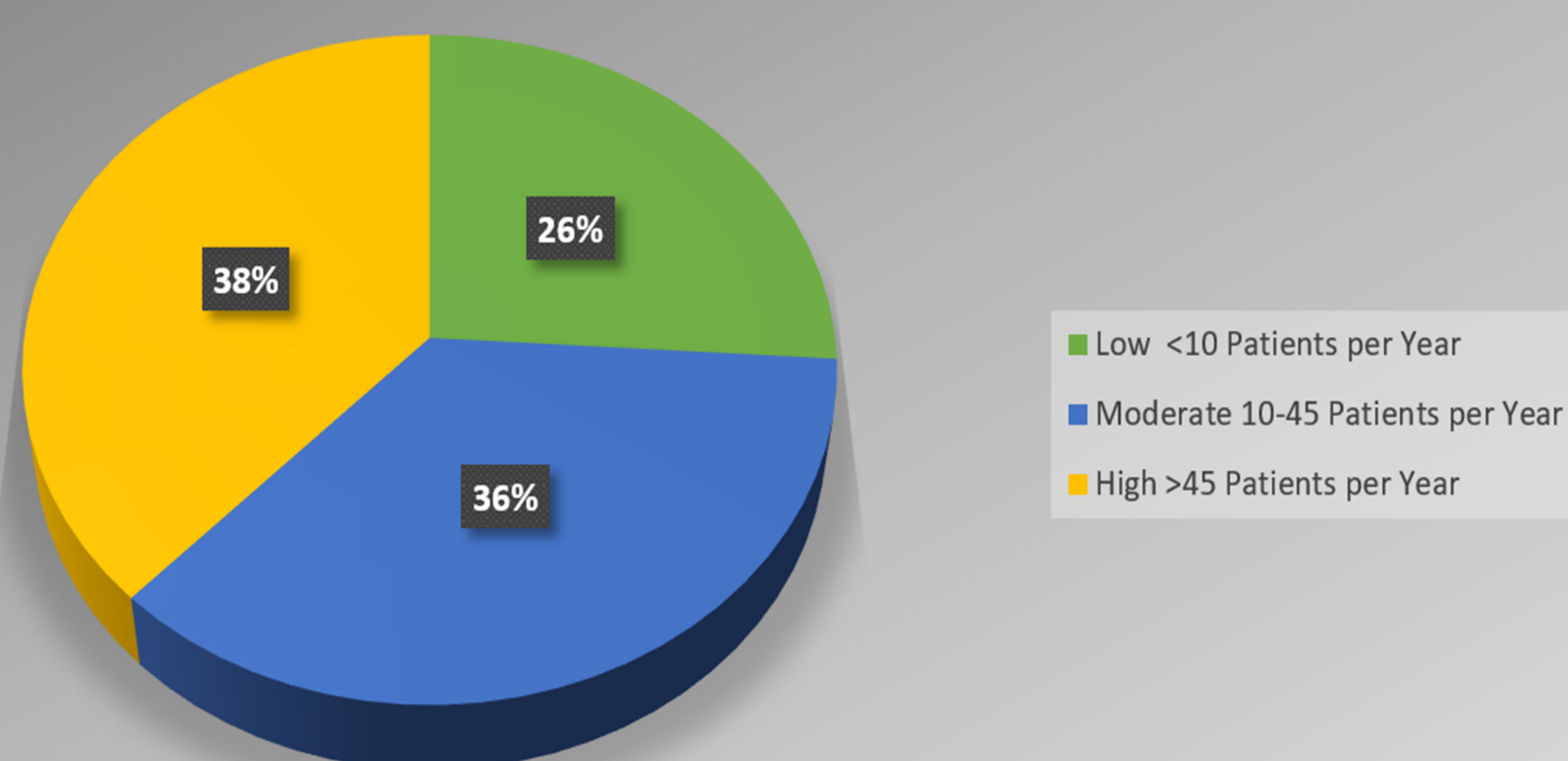
Methods

We designed and distributed an electronic survey to Pediatric CRRT programs in the USA. The survey was generated and distributed using Qualtrics software (Qualtrics, Provo, UT). Collected programmatic level data included: (1) organizational structure, (2) CRRT delivery model and roles CRRT census, (3) and (4) CRRT education delivery. Participation was voluntary and individual programs were responsible for completing the survey. Survey data was de-identified, collated, analyzed and reported.

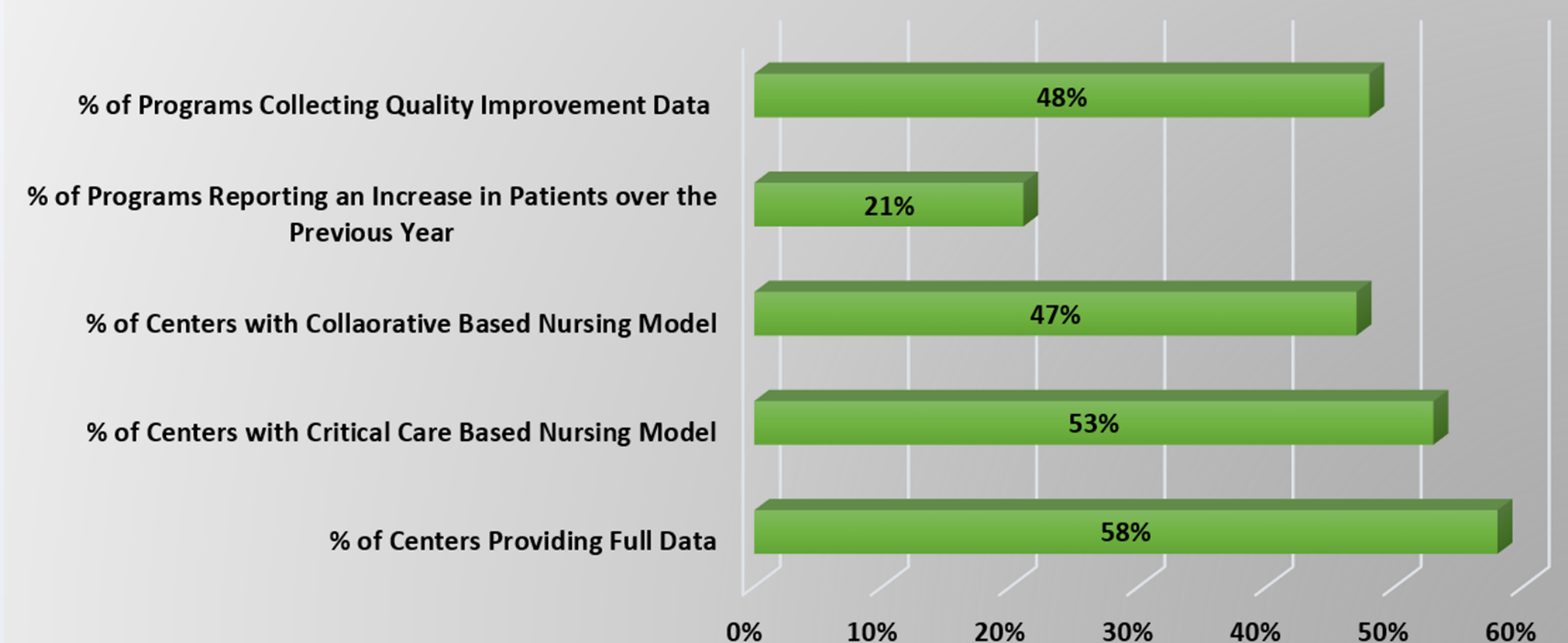
Results

19 programs completed the survey. 11 of 19 centers (57%) provided full data.

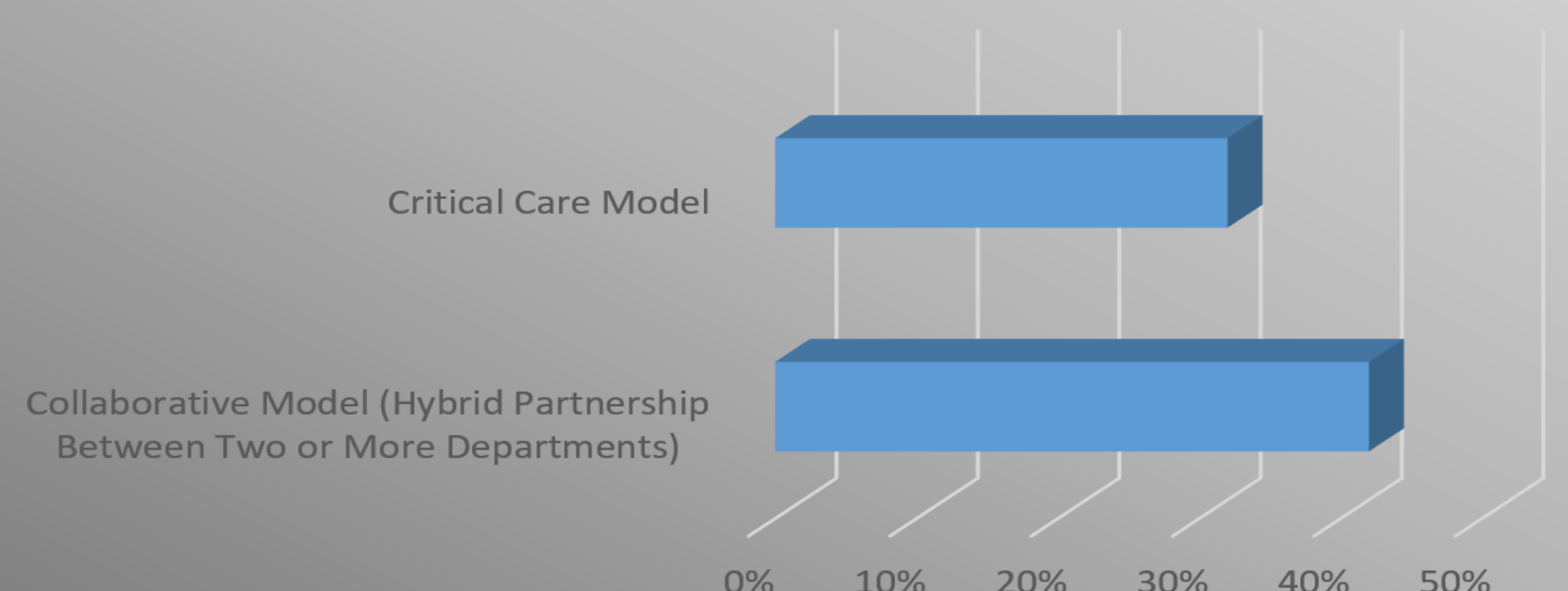
Yearly CRRT Activity



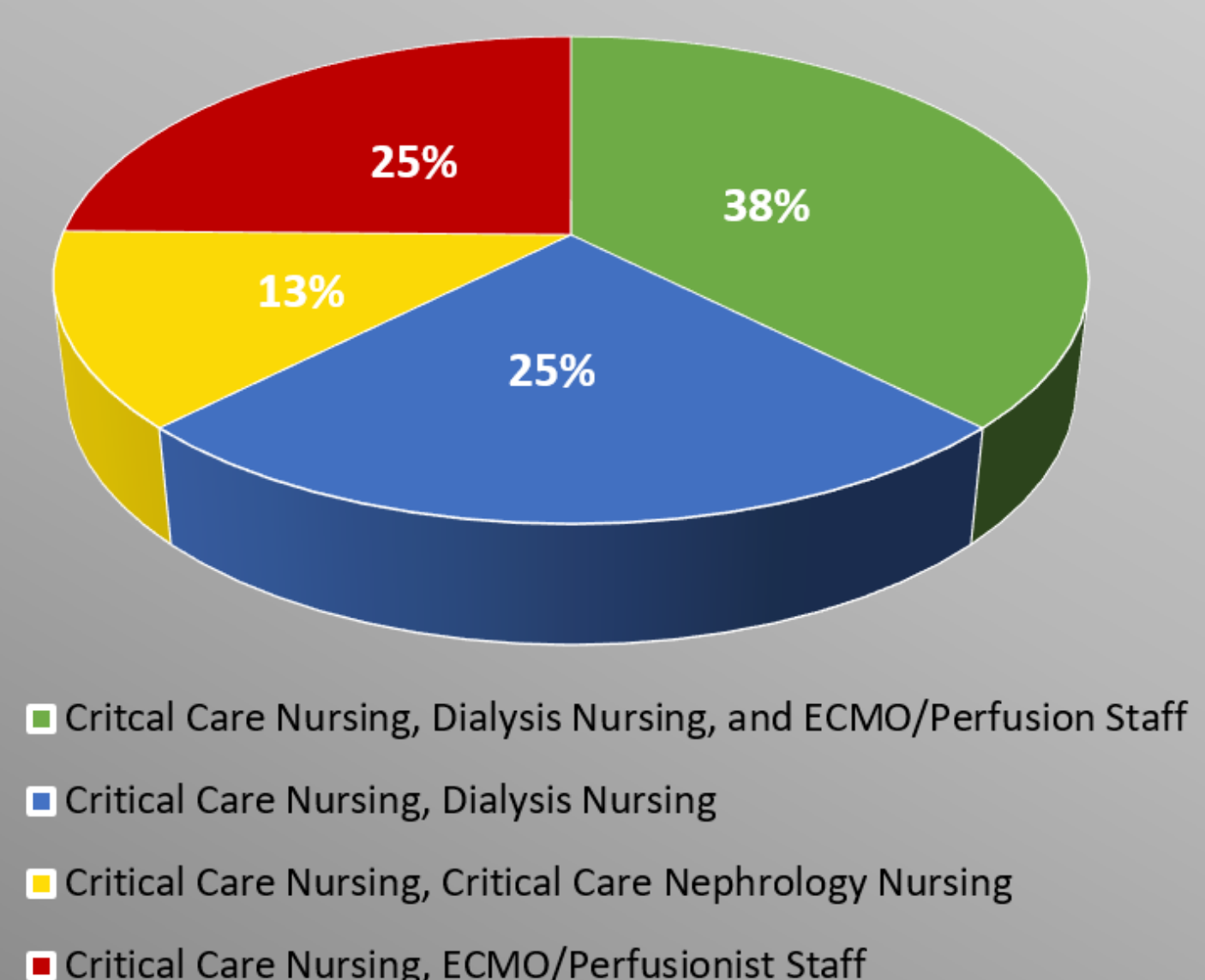
Survey Results Overview



Nursing Model for Care of the CRRT Patient



Types of Reported Collaborative Care/Hybrid Partnership Model



Conclusion

There is significant programmatic and practice variation between institutions. In spite of the significant advancements in delivering CRRT to pediatric patients, little is understood about how these variations impact patient care. Our study hopes to provide the foundation for future studies on programmatic issues such care delivery models, quality improvement, and nursing education.

Contact:

Theresa Mottes tamottes@texaschildrens.org Katie Plomaritas kspace@med.umich.edu Jolyn Morgan jolyn.morgan@cchmc.org