A Program Evaluation of Satisfaction with a Student Registered Nurse Anesthetist (SRNA) Orientation Program
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**Background**
Tampa General Hospital is a large, level-one trauma center that facilitates training SRNAs. In August 2017, TeamHealth Anesthesia discovered dissatisfaction among CRNA preceptors and among SRNAs regarding their clinical experience. An investigation revealed a root cause as unclear expectations and variability between preceptors.

- A team of CRNAs and MDAs redesigned the SRNA Orientation Program with practice guidelines and clinical policies.
- The SRNAs and CRNAs received an email containing orientation materials and a request to review all program contents.
- The SRNA Orientation Program launched in October 2017.

**Problem**
The SRNA Orientation Program lacked an evaluation process to determine if satisfaction scores were affected by the program. The evaluation sought to discover:

- Does the TGH SRNA Orientation Program: (a) improve CRNA satisfaction with precepting SRNAs; (b) set clear expectations for SRNAs with improved sense of preparedness and satisfaction with clinical rotations at TGH?

**Population & Samples**

The populations of interest included surveying two convenience samples (CRNA preceptors, USF SRNAs in clinical rotation) at TGH.
- Survey invitations sent to 106 CRNAs with participation instructions for an anonymous online survey. The completion rate was n=25.
- In the Spring of 2018, USF SRNAs received survey invitations. The completion rate was 73% among the SRNAs (n=8).
- The USF Nurse Anesthesia Program uses Medatrax Student Evaluation of Clinical surveys to evaluate clinical sites.

**Data Analysis**

**Qualtrics Survey Data.** Descriptive statistics were used to calculate the average frequency of program use. The results were recorded and categorized in Microsoft Excel. The formula functions were used to calculate categories and transform the data into pie charts.

**Medatrax survey data.** The responses were entered into "Citrix SPSS Statistics 24" and numerically coded. A Mann-Whitney U test was run to compare SRNA scores before and after the new orientation program was launched at TGH.

**Results**

- **Short-term outcomes - Metrics met**
  - CRNAs (87.5%) reported clear expectations were provided and useful in preparing for cases
  - CRNAs (75%) indicated expectations were clear

- **Intermediate outcomes - Metrics met**
  - SRNAs (>78%) reported clear expectations were provided and useful in preparing for cases
  - CRNAs remain neutral with preceptor satisfaction and indicate 52% satisfaction with employer action

**Recommendations**

- Provide Preceptors with information. CRNAs (84%) desire information on precepting. A future opportunity for creation of preceptor educational program and training workshop was noted.
- Mentorship program for students. A strong positive desire for a formal mentor program was indicated from both populations (>80%).
- Annual program evaluation and updates. The program team should set annual goals, discuss evaluation results and update content to ensure it remains current to the practice.

**Discussion**

The program evaluation revealed seven of the nine outcome goals were met and the program question was answered.
- Evaluation limitations include potential for self-selection bias, the absence of baseline satisfaction data and a small sample size that limits the generalization.
- The program outcomes that were met included providing clear expectations, usefulness in case preparation and SRNA satisfaction with clinical rotations at TGH.
- The Medatrax scores were unchanged despite high reported satisfaction with clinical at TGH.
- The program did not meet the metric goal for preceptor satisfaction, but it created a substantial positive impact.

The involvement of staff in addressing issues, creating change and working toward a shared goal may contribute to workplace pride and professional fulfillment. This type of workplace initiative may contribute to long-term recruitment and retention of staff for TeamHealth Anesthesia.

**Acknowledgements**

The author wishes to express gratification to USF faculty advisor, Dr. L. Alan Todd; the TeamHealth Regional Medical Director, Dr. Devanand Mangar; and the TeamHealth Southeast Director of Research, Dr. Enrico Camporesi for their guidance, support and commitment to this project.