

Interprofessional Experience on Labor & Delivery

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BACKGROUND

- Labor and Delivery (L&D) nurses play a unique and crucial role in caring for women during their labor:
 - Maternal and fetal monitoring
 - Medication administration & provision of nutrition
 - Patient advocacy and coaching
 - Ensuring neonatal transition to extra-uterine life safely
- On L&D, medical students (MS) often, though unintentionally, may be excluded from care given the pace and sensitive nature of this setting.
- We established an Interprofessional Experience (IPE) Program for MS to provide:
 - Labor education
 - Better integrate students into L&D
 - Improve student-nursing relationships
 - Instill understanding and appreciation for the different roles involved in intrapartum care

OBJECTIVES

- Examine methods to effectively integrate MS meaningfully into interprofessional experiences on L&D
- Appraise techniques for starting, maintaining, and evaluating an IPE program within an OB/GYN clerkship
- Describe the benefits of IPE for a L&D unit from nursing and medical student perspectives

METHODS

- 2017-18 academic year pilot program randomly pairing each MS with a L&D nurse for one half-shift with a labor nurse and one half-shift with a "stork" (neonatal care) nurse.
- Post-experience survey using SPICE-R (Student Perceptions of Interprofessional Clinical Education-Revised) instrument.
- Results were pooled after 10 months and analyzed using descriptive statistics.
- Qualitative analysis was performed on freeform comments from respondents.

RESULTS

Table 1: Qualitative Feedback Themes

Group	+/-	Feedback Themes
MS	Positive* (89%)	<ul style="list-style-type: none"> Good teaching (n=8) High-value experience (n=6) Appreciation of team roles (n=2) <i>*Students on end of year feedback stated IPE was valuable and asked for it to continue.</i>
	Negative (n=2)	<ul style="list-style-type: none"> Having a "slow night"
RN	Positive (100%)	<ul style="list-style-type: none"> Student engagement (n=6) Appreciation of team roles (n=2)

Figure 1: Medical Student Perceptions of IPE (n =36, 54% survey completion)

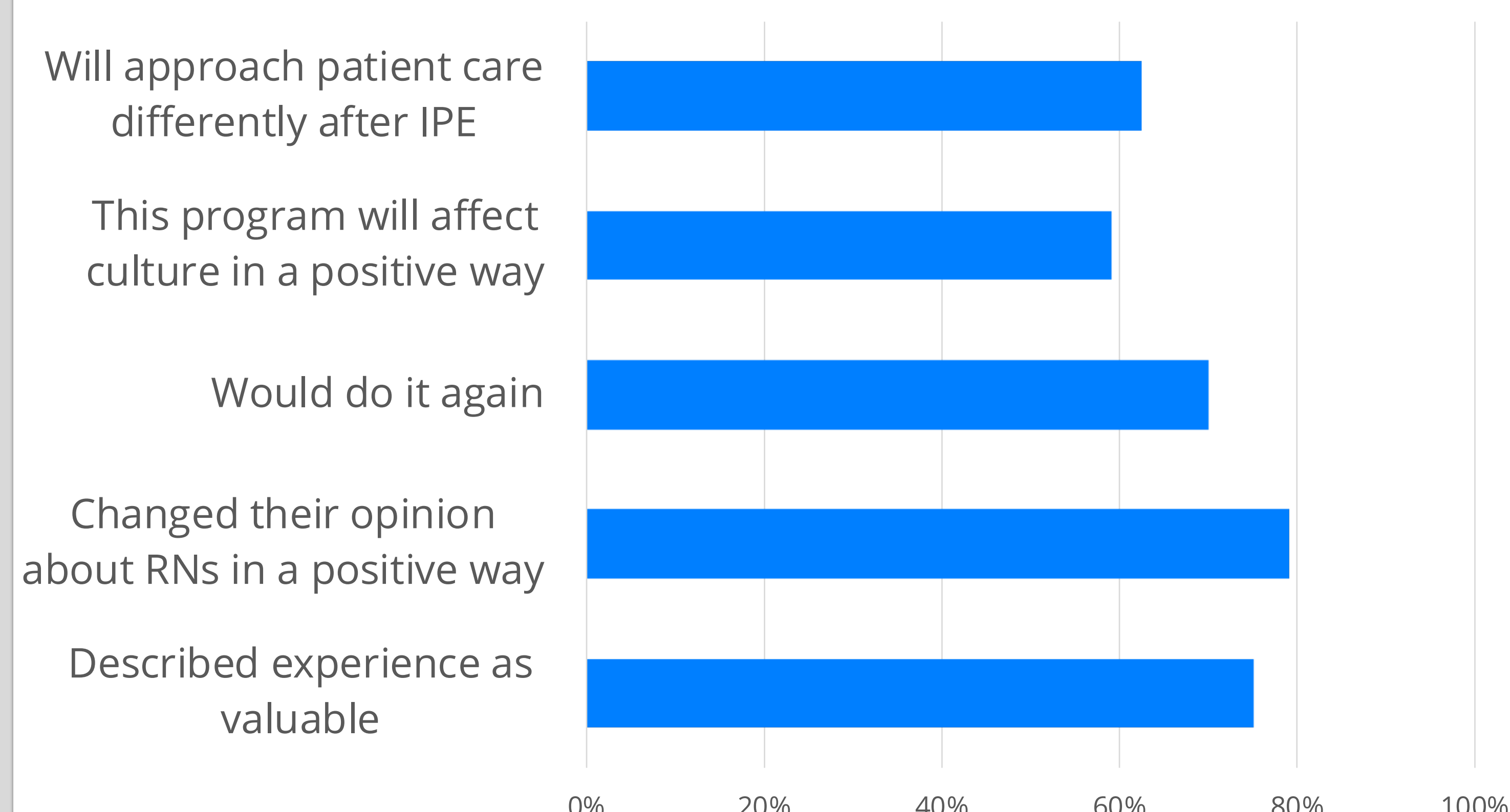
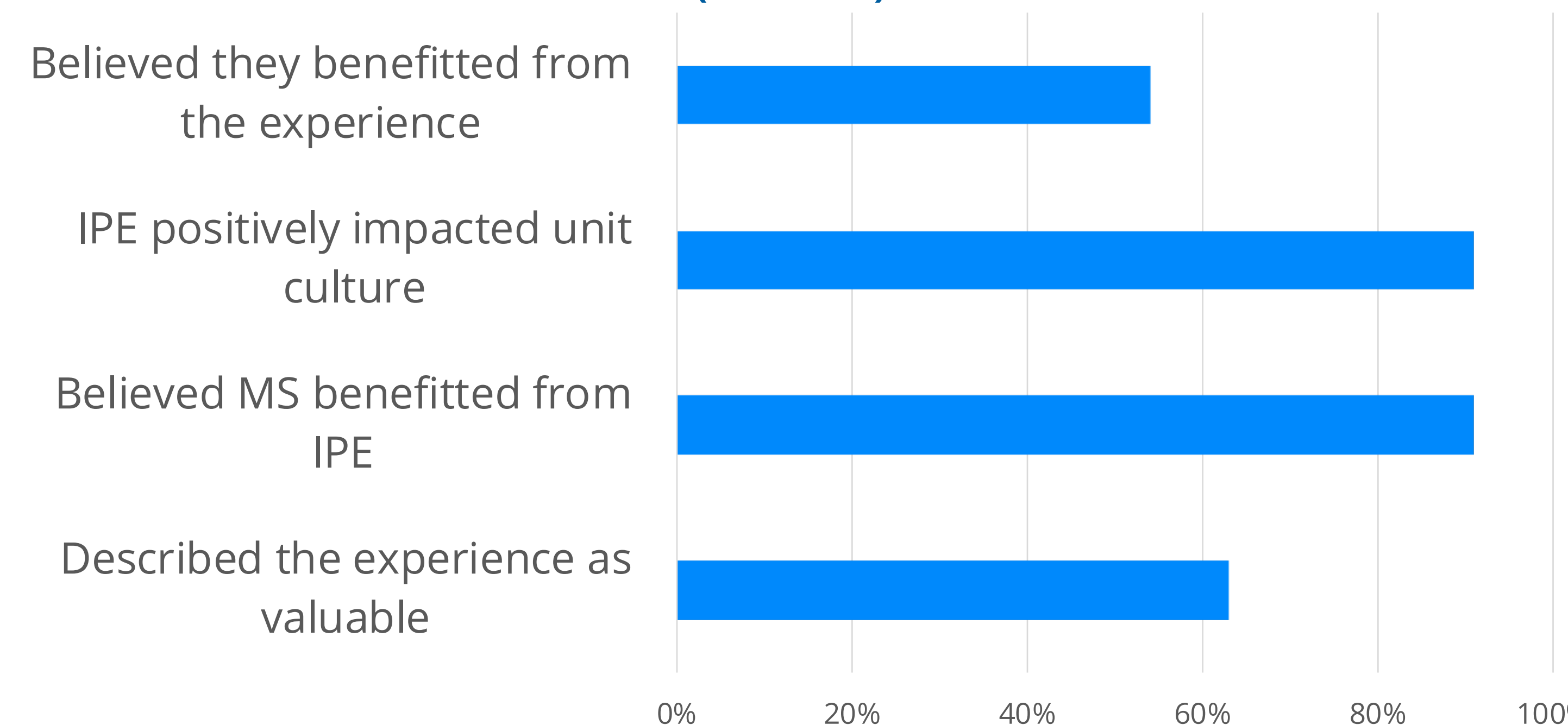


Figure 2: Nurse Perceptions of IPE (n = 11)



DESCRIPTIVE RESULTS

Table 2: SPICE-R responses

MS	RN	Agreed or Strongly Agreed that:
96%	82%	Participating in educational experiences with providers from another health profession enhanced their future ability to work on an interprofessional team.
100%	73%	Working with providers from another health profession enhances my education

"RNs were wonderful to work with. Both did a fantastic job of showing me the various roles nurses perform, the energy they bring to their job, and how they interact with other medical professionals." - MS

SIGNIFICANCE

- IPE on L&D enhanced participant's perception of their education and ability to perform on interdisciplinary teams.
- With improved interdisciplinary relationships in this high intensity environment, learners are better integrated into L&D.
- As a result of the IPE, medical students receive a more well-rounded Ob/Gyn education, ideally leading to better patient care on L&D and in the future.

FUTURE DIRECTIONS

- Program expansion to other Ob/Gyn departments
- Expansion past pilot program
- Incorporation into clerkship orientation

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