Immunizations have contributed to the health of our citizens for decades, but some citizens still have many leering concerns about their safety and effectiveness. Nurses are on the frontline of care, serving as a main source of education and information on vaccines in today's health care system. They continue to greatly influence informed decisions about vaccinations (Wiley, 2015). To be an advocate and answer questions appropriately, nurses must be experts about immunizations, recommendations, and have access to trusted information (Danchin & Nolan, 2014; Wiley, 2015). Education and advocacy of immunizations can be enhanced by understanding the perceptions and beliefs about vaccinations as (future) nurses are still immersed in their own education. There is little research that exists on nursing students and no parallel studies were found upon review. The purpose of this study is to explore nursing students' perceptions and beliefs about immunizations and the diseases they are aimed to prevent. To further explain, the following research questions are addressed: (1) What are nursing students' perceptions of vaccinations? (2) What are nursing students' beliefs about vaccinations? (3) How do perceptions and beliefs differ between students based on their demographics? For this study, a quantitative design and convenience sample population were used. An online survey, adapted from Gellin, Maibach, & Marcuse's Do Parents Understand Immunizations? A National Telephone Survey (2000) was created to collect these perceptions and beliefs. Questions regarding Influenza, Human Papillomavirus, Hepatitis A, Meningococcal, and Pneumococcal vaccines were integrated to update the survey. Informed consent was obtained by each participant and all survey responses were anonymized. Data collection is currently in progress with anticipated completion prior to July 2018. At this time there are 47 subjects who have participated. The results from this study will contribute to known perceptions and beliefs of immunizations, specifically from nursing students. The results from this study can discover areas of needed improvement in nursing education.


**Abstract Summary:**

Immunizations have changed the face of health care, yet vaccine hesitancy is rising. Nurses have great influence over vaccine decisions. Nursing students’ perceptions and beliefs about immunizations and the diseases they aim to prevent were explored. Results contribute to known beliefs and can contribute to improvements in nursing education.

**Content Outline:**

One way to promote innovative nursing practice and education is by understanding how our colleagues and future nurses perceive health care practices. The following research provides an understanding on how a group of nursing students perceive immunizations, a preventative measure that has changed the face of health care.

**Learning Objectives**

- The learner will be able to discuss nursing student’s perceptions and beliefs of immunizations.
- The learner will be able to identify the difference in perceptions between the variant immunizations.

**Background**

- Vaccine hesitancy is growing.
- Nurses play a vital role in education and advocacy of vaccinations.
- Enhancement of education and advocacy by understanding student perceptions and beliefs.

**Purpose**

- The purpose of this study is to explore nursing students’ perceptions and beliefs about immunizations and the diseases they are aimed to prevent.

**Research Questions and Hypotheses**
1. Research question: What are nursing students' perceptions of vaccinations?
   - Hypothesis: Nursing students will have an increased average perceived severity of disease compared to general population (previously published in another study).
   - Hypothesis: Nursing students will have an increased average perceived likelihood of infection compared to general population (previously published in another study).
   - Hypothesis: Nursing students will have a decreased perceived concern about side effects from receiving a vaccine compared to general population (previously published in another study).

2. Research question: What are nursing students' beliefs about vaccinations?

3. Research question: How do perceptions and beliefs differ between students based on their demographics?

Literature Review

- Parental views
- Practicing nurses' competence
- Nursing students in Europe regarding influenza vaccine
- No parallel studies found.

Methodology

- Sample population includes all nursing students at Eastern Michigan University.
- IRB approved.
- Survey was adapted from Gellin, Maibach, & Marcuse’s *Do Parents Understand Immunizations? A National Telephone Survey* (2000).
- Survey link provided by email and in person.
- Informed consent and anonymous.

Results

- This research is in progress with anticipated completion prior to July 2018.

Conclusion

- Results of this study can contribute to known perceptions and beliefs about immunizations.
- Results from this study can be used to facilitate improvements in nursing education.

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