**RESEARCH QUESTIONS**

1. Among nurse graduates, what factors are associated with feeling unprepared for independent practice in blood administration procedures?
2. What curriculum and/or training characteristics within pre-licensure nursing programs correlate with perceived lack of readiness to practice blood administration independently?
3. What essential steps are required in a blood administration assessment instrument to define proper performance, according to nurse experts at the study site?
4. What aspect(s) of a blood administration do graduate nurses frequently struggle to perform independently as determined by study site experts?

**ACTION RESEARCH DESIGN**

- **Setting with Nurse Experts**
  - Delphi method for standard procedure
  - Quantitative and qualitative analysis
  - Interview data

- **Nurse Expert Results**
  - Demographics:
    - Years of nursing ranged from 2.5 to 34 years.
  - Qualitative findings:
    - Graduate nurses need more training in their first 6 months to feel prepared for independent practice.
    - Skills/procedures they feel uncomfortable performing independently.
  - New employee orientation.
  - Process improvements to context situations/activities.
  - Specific examples of rare occurrences.

**CONCLUSIONS**

- Graduate nurses need more training in their first 6 months to feel confident with independent blood administration practice.
- Step-by-step task model for blood administration.
- Aspects of blood administration graduate nurses frequently struggle to perform independently.
- Appropriate rate of transfusion, performance and documentation of assessment of the patient receiving a blood transfusion, and assessment and management of transfusion reactions.