

Reframing Interprofessional Collaboration Using an Inquiry- Based Approach

Gabriella Malagon-Maldonado, DNP, APRN, MSN, CNS,
NEA-BC



Faces and Voices of Collaboration



Context for Interprofessional Collaboration

Societal Context

- Older adult population has grown from three million to 35 million in last century and will increase to 75 million in the next few decades
- In a LTAC facility, majority of patients are older adults

Healthcare Context

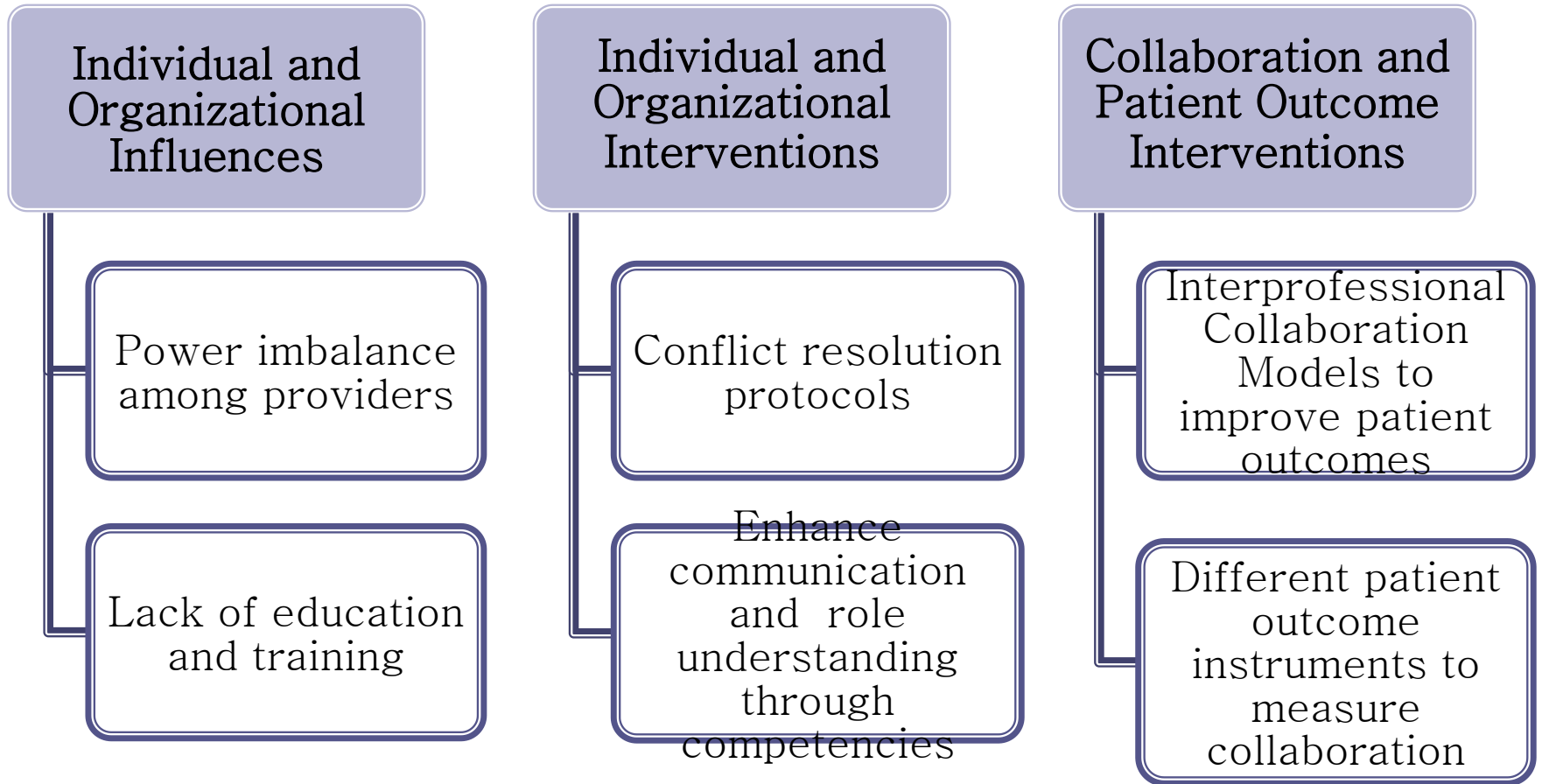
- 80% have at least one chronic illness, leading cause of disability or death
- Majority of patients in a LTACH have three to six chronic illnesses
- Medically complex, require specialized treatment from multiple providers
- 30% experience poor health outcomes as a result of inadequate collaboration among healthcare providers

Financial Context

- Decrease in collaboration, increases healthcare spending by 15 times for this patient population in similar settings
- This can result in avoidable utilization of \$300 billion, 75% of Medicare's total healthcare spending



Literature Review

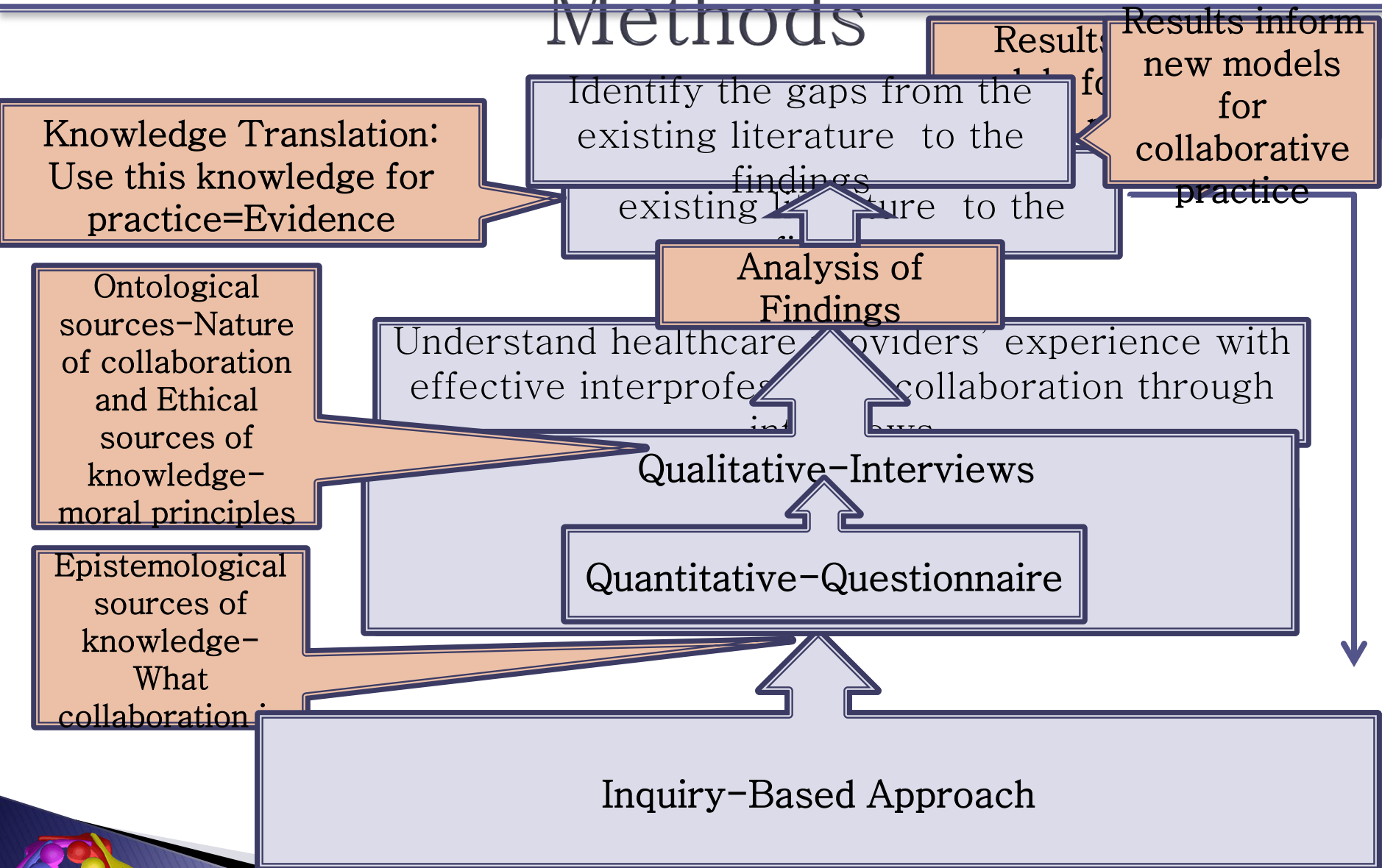


Purpose

1. Assess the intensity of interprofessional collaboration practices in a long-term acute care hospital using the Interprofessional Collaboration Questionnaire and identify differences among registered nurses and other healthcare providers.
2. Understand healthcare providers' experiences with effective interprofessional collaboration by exploring how it is lived in practice through individual and small group interviews.
3. Identify the gaps in the literature on interprofessional collaboration practices and the research findings.



Inquiry-Based Approach and Methods



Data Collection and Analysis

Quantitative Data Collection:

- Interprofessional Collaboration Questionnaire
- Comparative analysis between nurses and other healthcare providers using t-test and analysis of variance (ANOVA)
- Determine differences in intensity of interprofessional collaboration among group mean scores by provider

Qualitative Data Collection:

- Questions:
 - What comes to mind for you as an example of effective interprofessional collaboration?
 - Can you describe this to me?
 - What makes this situation outstanding or unique?
 - Any other comments that will help me understand how interprofessional collaboration has been thus far?
- Three group interviews and seven individual interviews in two sessions
- Interpretative phenomenological review of narrative descriptions
- Paradigm cases, Exemplars, and Thematic analysis



Participants

Demographic Data of Questionnaire Participants

(N=99)

Healthcare Provider	Number of Participants
Laboratory Technicians	7
Pharmacists	6
Physicians	5
Registered Dietitians	4
Registered Nurses	53
Rehabilitation Providers	9
Respiratory Therapists	12
Social Workers	2

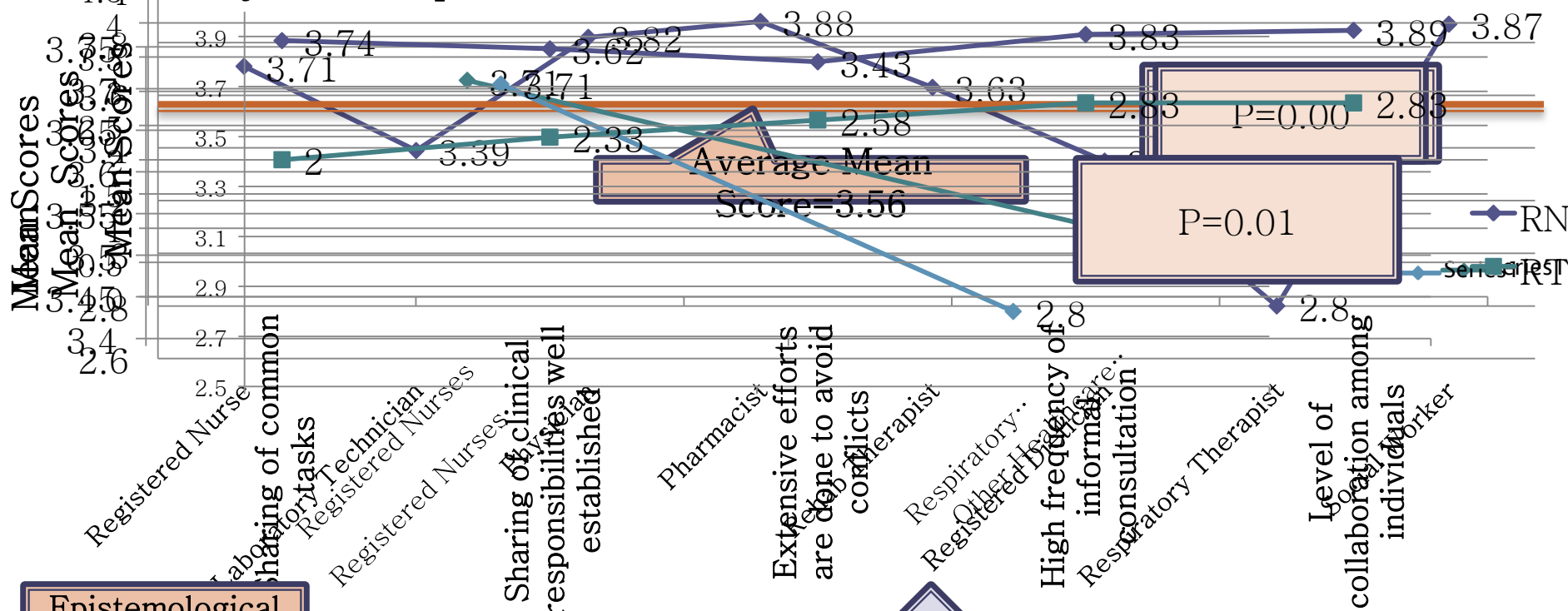
Demographic Data of Interview Participants (N=13)

Healthcare Provider	Gender	Years of Experience
Pharmacist	Male	14
Physical Therapist	Female	6
Physician	Male	39
Physician	Male	43
Registered Dietician	Female	9
Registered Nurse	Female	3
Registered Nurse	Male	4
Registered Nurse	Female	6
Registered Nurse	Female	7
Registered Nurse	Female	6



Findings: Intensity of Interprofessional Collaboration Differences

Intensity of Interprofessional Collaboration by Healthcare Provider
 Intensity of Interprofessional Collaboration for RN and Other HCPs



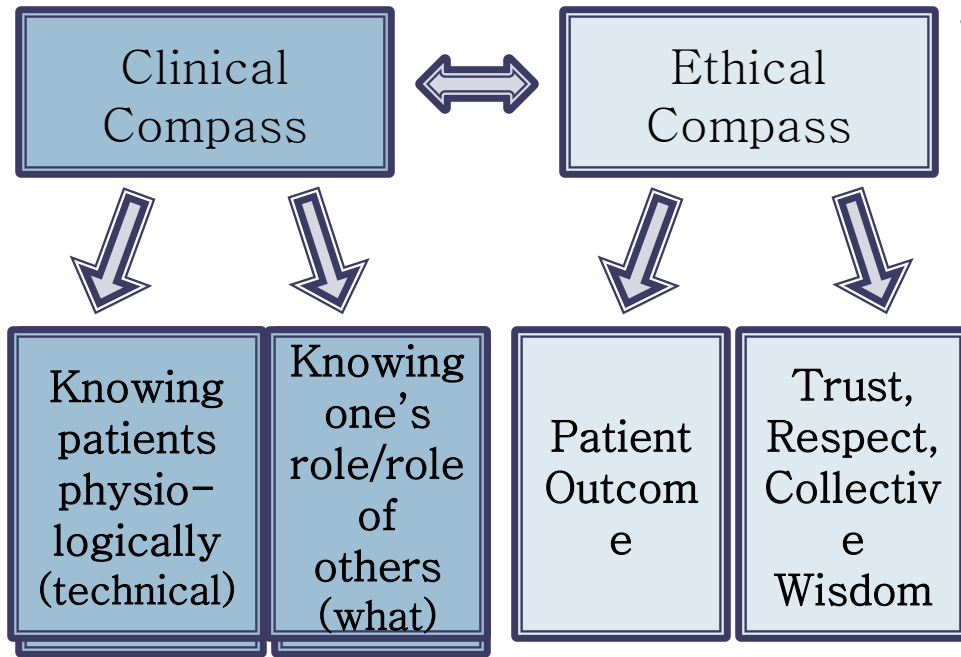
Epistemological view: what can be observed from the outside looking in

Interprofessional Collaboration Questionnaire Results

Inquiry-Based Approach



Findings: Healthcare Providers' Clinical and Ethical Compass

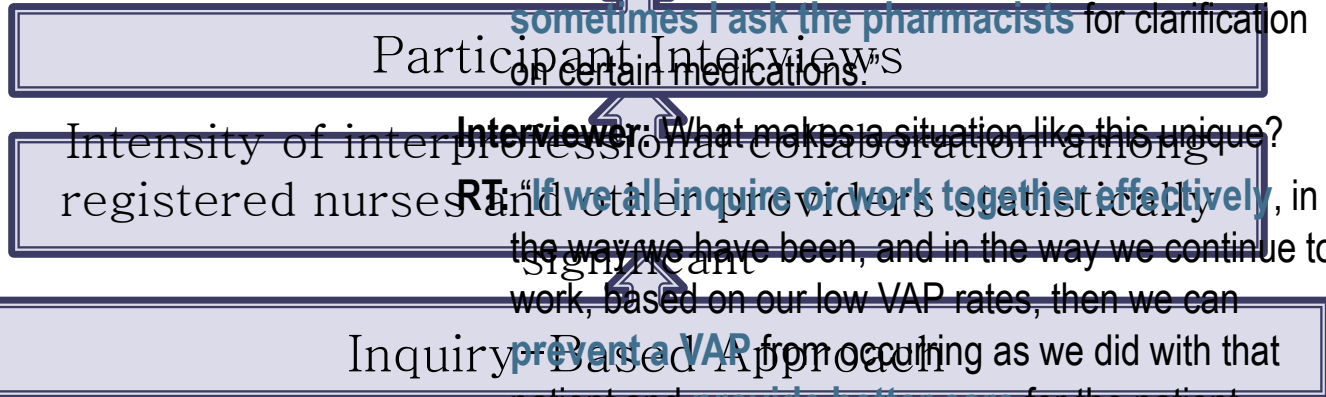


RT: "There is much collaboration involving the VAP prevention bundle. I am not the only one using the VAP bundle you know. My involvement for the most part is daily wear assessments, daily oral care, and making sure the head of the bed is elevated. Then assessed the patient to see if it was a case of abuse but reading the pharmacy, and the physician who and neglect and whether it needed to be reported to a patient or if it was a collaboration on adult patient condition. What makes collaboration unique is safe patient care."

Interviewer: Can you elaborate some more on this? By communicating, everyone understood the patient's condition and I worked with the RN to see if PUD and DVT prophylactic meds were on the MAR. When I found out PUD wasn't, I talked to the physician to see if we can get the correct for the patient (I know this is one of the medications). When I am not certain, sometimes I ask the pharmacists for clarification on certain medications."

Physician: "Well, last week, one of my patients was on the VAP bundle and I worked with the RN to see if PUD and DVT prophylactic meds were on the MAR. When I found out PUD wasn't, I talked to the physician to see if we can get the correct for the patient (I know this is one of the medications). When I am not certain, sometimes I ask the pharmacists for clarification on certain medications."

Ontological and Ethical view: understand experiences from those within the perspective sharing to those outside the perspective



Interviewer: "What makes a situation like this unique?"

RT: "If we all inquire or work together effectively, in the way we have been, and in the way we continue to work, based on our low VAP rates, then we can prevent a VAP from occurring as we did with that patient and provide better care for the patient overall."



Findings: Gaps in Literature

Knowledge Translation: Use this knowledge for collaborative practice

Existing Literature: Individual, Organizational Influences and Interventions

the gaps in

Research Findings

Ontologic and Ethical sources of knowledge

Power imbalance=conflict resolution protocols

Lack of education and training =enhance role understanding through interprofessional competencies

Collaboration Models improve patient outcomes; instruments to measure patient outcomes

Epistemologic al sources of knowledge

Interprofessional

of interprofessional collaboration among healthcare providers

Inquiry-Based Approach

Similarities in ethical compass: patient outcomes, trust, respect, and collective wisdom

Differences in clinical compass: knowing the patient holistically

Differences in clinical compass: knowing when to involve other healthcare providers

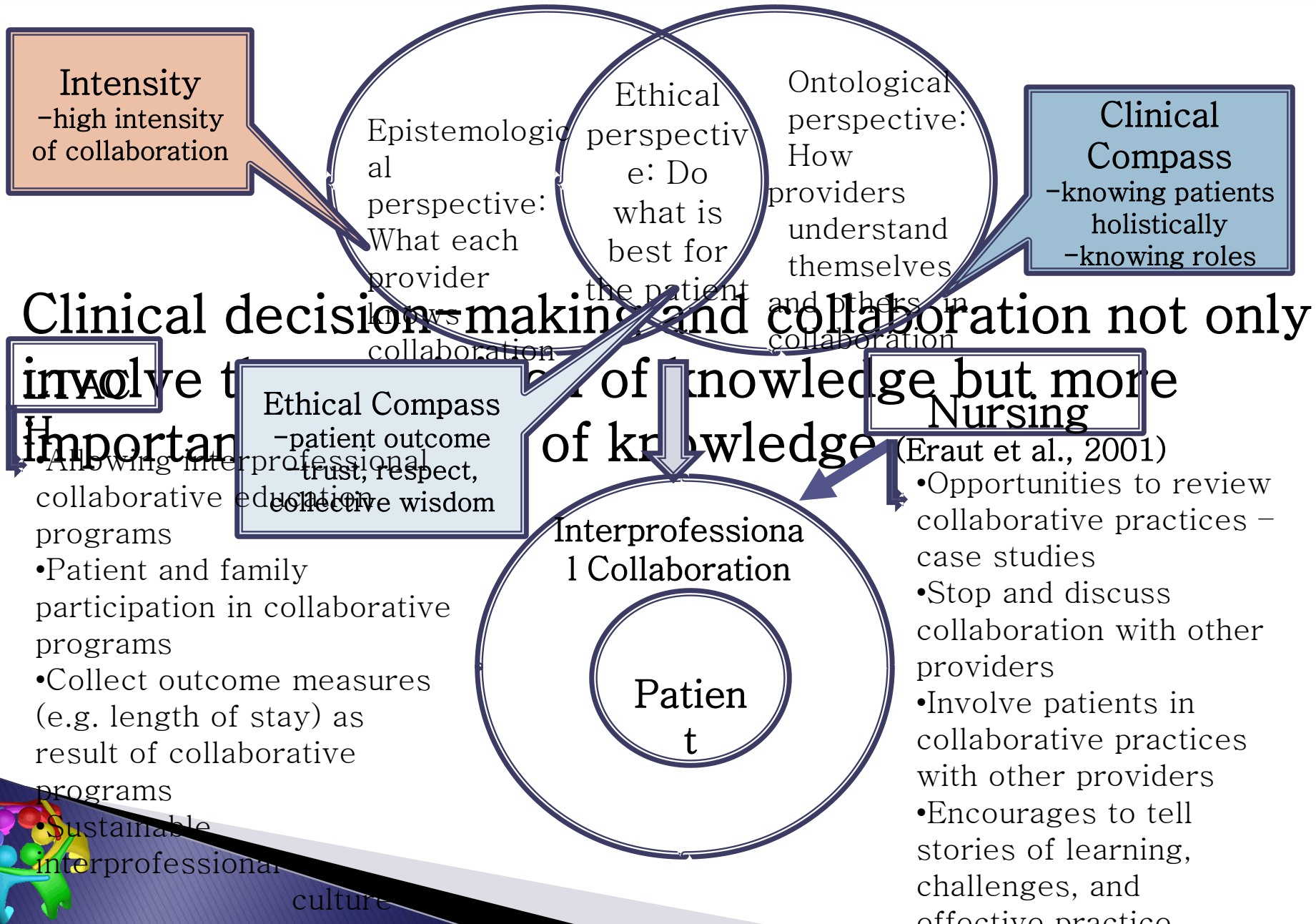
Intensity of interprofessional collaboration among nurses is higher than other healthcare providers

ethical providers

es and



Implications and Translation Potential



Recommendations for Future Projects and Lessons Learned

- **Recommendations:**

- Observations of practice
- Interviews with patients

- **Lessons Learned:**

- Assessing the intensity of collaboration first, reduced the complexity of the possible narratives and at the same time allowed for individual meaning to be evident in everyday language of collaboration
- Narrative telling of actual collaborative events, engaged providers in a learning dialogue with their own understanding and personal knowledge



Concluding Remarks

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Thank You!



Anticipatory Slides



Interprofessional Collaboration Questionnaire

(Sicotte, D'Amour, & Moreault, 2002)

INSTRUCTIONS: Please circle the number that best corresponds to your level of agreement with each of the following statements.

Responses are based on a scale of 1 to 5 where 1 = strongly disagree or low and 5 = strongly agree or high.

Care Sharing Activities

Strongly Agree

Strongly Disagree

- | | | | |
|--|---|---|---|
| 1) Professional support is sought from other disciplinary groups | 1 | 2 | 3 |
| 4 5 | | | |
| 2) Level of collaboration among individuals | 1 | 2 | 3 |
| 4 5 | | | |
| 3) Information exchange with other disciplinary groups | | | 1 |
| 2 3 4 5 | | | |
| 4) Cooperation among professional groups to ensure patient follow-up | | | 1 |
| 2 3 4 5 | | | |
| 5) Interdisciplinary collaboration to elaborate a common care plan | 1 | 2 | |
| 3 4 5 | | | |
| 6) Disciplinary intervention that takes into account data collected by other groups | | | 1 |
| 2 3 4 5 | | | |
| 7) Sharing of common tasks | 1 | 2 | |
| 3 4 5 | | | |
| 8) High tolerance of grey area (overlapping of jurisdictions between professional groups) | | | 1 |
| 2 3 4 5 | | | |
| 9) Working relations among professionals are egalitarian rather than hierarchical | | | 1 |
| 2 3 4 5 | | | |
| 10) The entire patient (i.e. physical, psychological, and social dimensions) are taken into account by all professional groups | | | |
| 1 2 3 4 5 | | | |
| 11) High frequency of informal consultation between interdisciplinary groups | 1 | 2 | |
| 3 4 5 | | | |

Interdisciplinary Coordination

- | | | |
|--|---|---|
| 12) From the patient's perspective, professional collaboration is harmonious | 1 | 2 |
| 3 4 5 | | |
| 13) Team-base routines between professionals are well defined | 1 | 2 |

Interprofessional Collaboration Questionnaire Framework

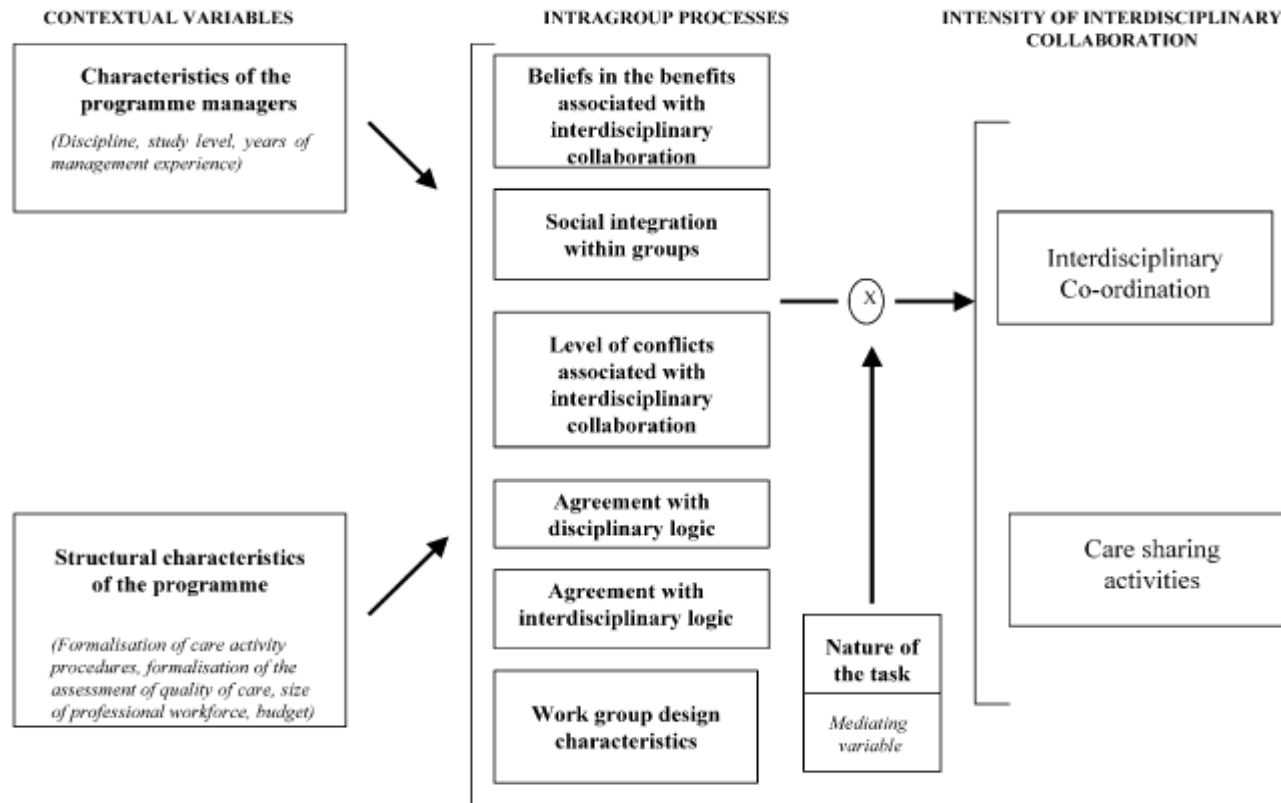


Fig. 1. Analytical framework of interdisciplinary collaboration.



Percent of Participants

Demographic Data of Questionnaire Participants (N=98)

Healthcare Provider (total n)	Number of Participants
Laboratory Technicians (n=11, 63%)	7
Pharmacists (n=6, 100%)	6
Physicians (n=22, 23%)	5
Registered Dietitians (n=4, 100%)	4
Registered Nurses (n=160, 33%)	53
Rehabilitation Providers (n=10, 90%)	9
Respiratory Therapists (n=50, 25%)	12
Social Workers (n=2, 100%)	2



Interview Structure

- The narrative mode that was elicited through the interviews provided access to particular insights rather than general constructions of interprofessional collaboration.
- Asking the open-ended interview questions allowed for the possibility to reduce deviations from the narratives while staying close to the language and structure of the interview.
- Everyday language was encouraged rather than specifying any terms and risking constraining the stories of collaboration.
- Participates were encouraged to use a natural way of describing practice as if sharing with a peer. It was helpful to set an informal tone with participants and it allowed them to move into stories about patients.



Findings: Healthcare Providers' Clinical and Ethical Compass

RD: One of the things I have noticed that facilitates interprofessional collaboration is knowing when to ask for help based on what the patient is presenting with.

RN: Exactly, when you know your patient, say for instance based on certain vent settings you know if the patient is getting overfed, you recognized that perhaps there needs to be an RD consult so that the patient's tube feeding can be changed.

RD: It shows that the staff feel comfortable enough to ask the registered dietician about a patient. Another example may be if the nurse asks us to take a look at the tube feeding of a heavier set patient possibly because it is too low for that particular patient. We would go and do a calorie count and reassess the patient's tube feeding.



Literature Review Method

Identification

Number of records identified through database search: 540

Screening

Duplicate records removed: 8

Records screened by examining abstracts: 532

Records excluded: 189

Eligibility

Full-text articles assessed: 343

Full-text articles excluded: 330
-interprofessional collaboration with other
populations/settings

Included

13 studies included in qualitative
synthesis

