
Posters and Presentations: Family Medicine

Family Medicine

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Modeling Interprofessional Excellence Transforming Medical Education for Collaborative Care

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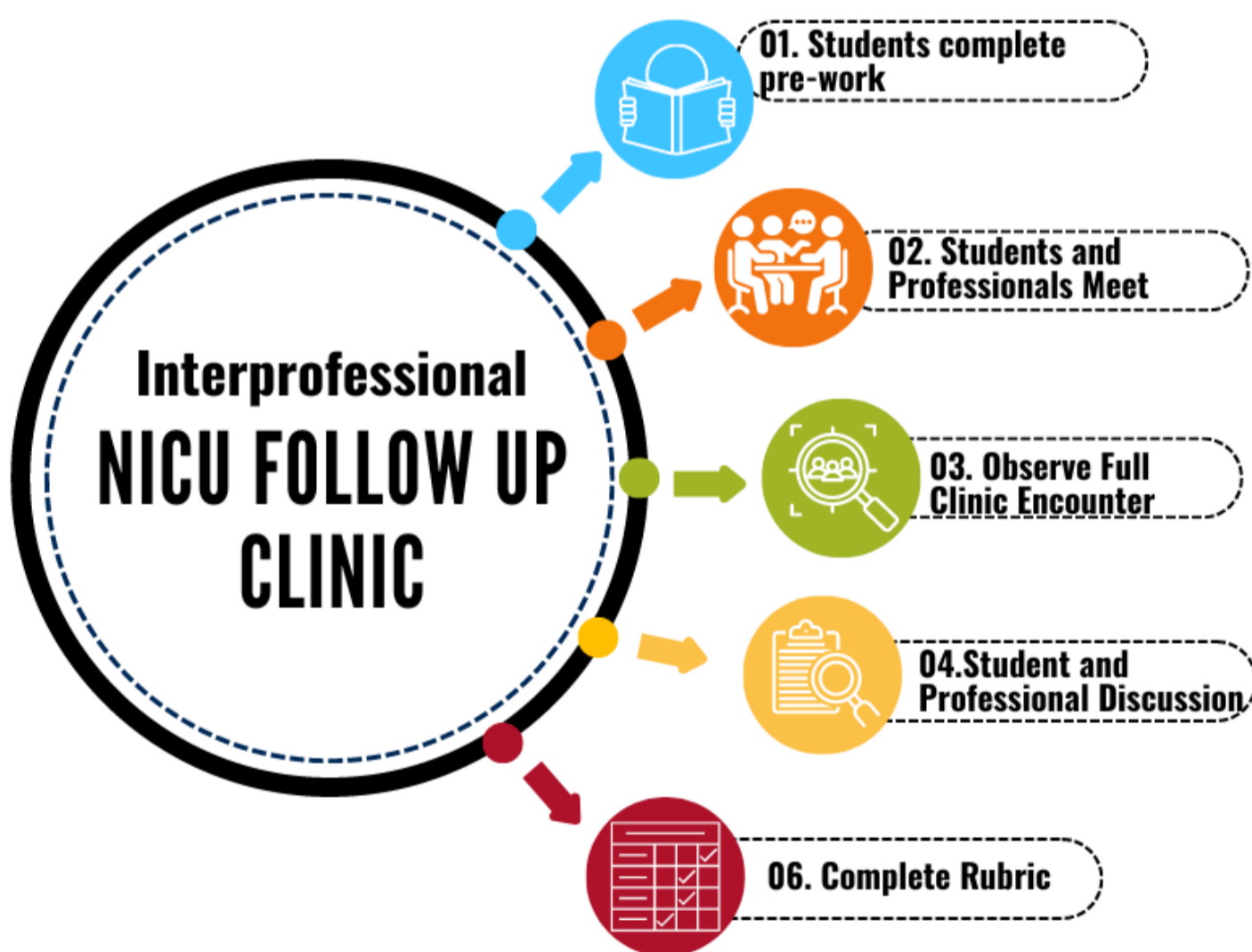
Kerry Miller, PhD¹; Paige Hardy, DNP¹; Neil Kalsj, MD²; Nathan Gollehon, MD^{2,3}; Brianna Brei, MD³; Jason Burrows, MD³; Howard Needleman, MD¹; Liliana Bronner, PhD, MHSA, MBA²

University of Nebraska Medical Center; ¹Munroe-Meyer Institute, ²College of Medicine, ³Children's Nebraska Hospital

Background

- Developmental and medical care of the NICU graduate requires a diverse team of pediatric professionals.
- Developed innovative educational experience for third-year medical students during their pediatric clerkship.

Methods



Example of student completed rubric

(1) Beginning	(2) Developing	(3) Accomplished	(4) Exemplar
I have minimal understanding of how professionals engage diverse professionals to develop strategies to meet patients' specific health and care needs.	I have observed how professionals engage diverse professionals to develop strategies to meet patients' specific health and care needs.	I have observed and can describe how professionals engage diverse professionals to develop strategies to meet patients' specific health and care needs.	I can illustrate examples of professionals engaging diverse professionals to develop strategies to meet patients' specific health and care needs.

Themes from Student Feedback

Interprofessional Collaboration

Specific Roles & Expertise

Team Dynamics

Comprehensive & Holistic Care

Family Involvement

Optimized Care Delivery

Efficiency and Coordination

Results

IPEC Competency	Pre n=118	Post n=118	t-value	p-value	Effect Size (Cohen's d)
(1) Roles and Responsibilities	M = 2.32	M = 3.29	-19.51	< .001	1.44
(2) Roles and Responsibilities	M = 1.66	M = 3.11	-22.36	< .001	2.09
(1) Interprofessional Communication	M = 2.34	M = 3.35	-18.13	< .001	1.55
(2) Interprofessional Communication	M = 2.59	M = 3.51	-14.85	< .001	1.29
(1) Teams and Teamwork	M = 2.50	M = 3.37	-15.04	< .001	1.38
(2) Teams and Teamwork	M = 2.76	M = 3.50	-13.84	< .001	1.23
Values and Ethics	M = 2.91	M = 3.52	-11.92	< .001	1.02

Rubric scale; 1= Beginning, 2= Developing, 3= Accomplished, 4= Exemplar

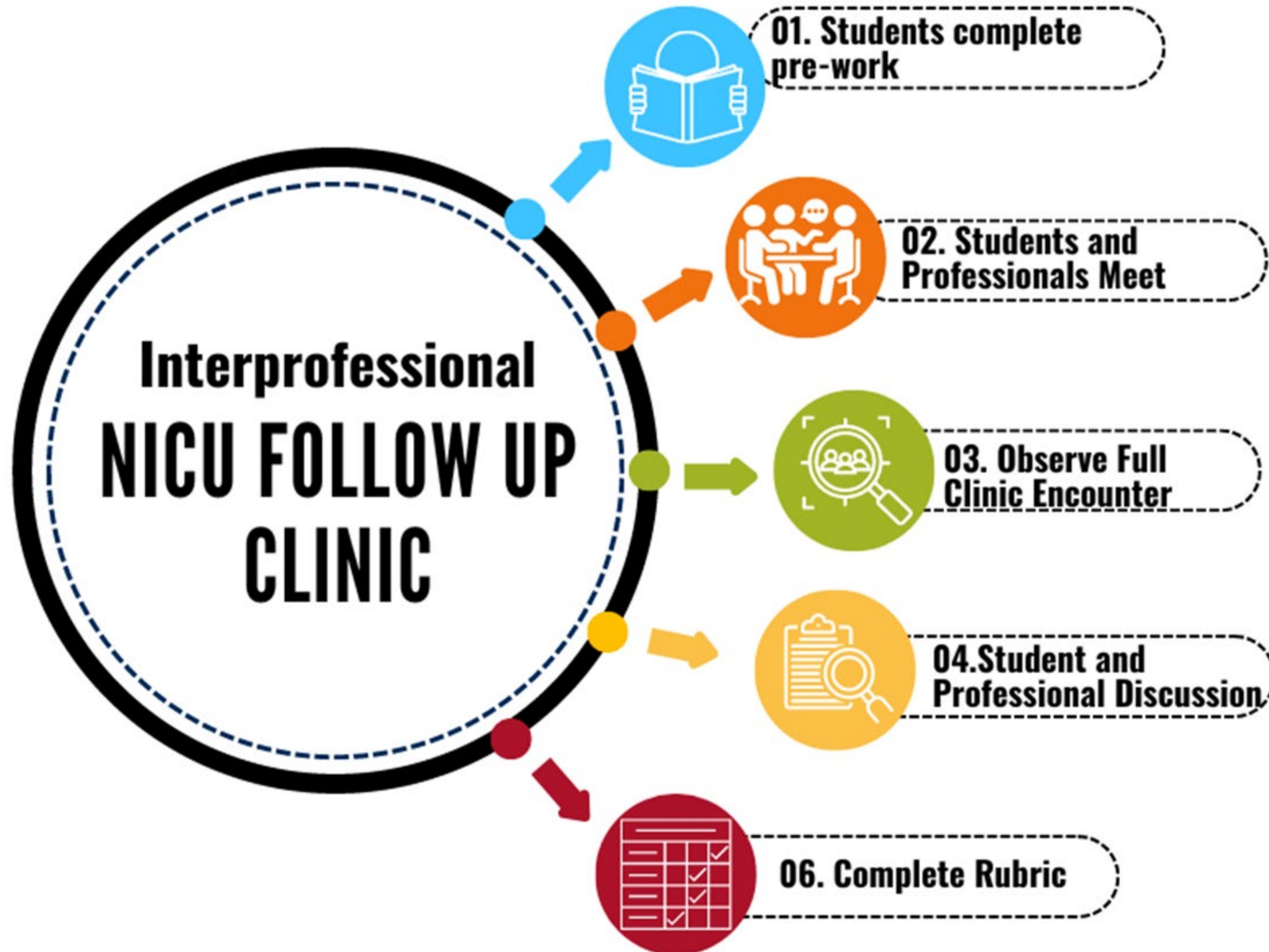
"An interprofessional approach undeniably results in optimized care for neonatal patients who required time in the NICU and have the potential for developmental challenges."

"Overall, the family was able to get a great deal out of the appointment by seeing two separate specialists at the same time while avoiding the burden of multiple visits that can be a barrier to care."

Future Directions

- Incorporate pre-brief reflection questions to help guide the clinical encounters
- Explore the impact of this IPE clinical experience on future behaviors in interprofessional team settings

Methods



Methods- Evaluation

(1) Beginning	(2) Developing	(3) Accomplished	(4) Exemplar
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Results Quantitative

IPEC Competency	Pre <i>n</i> =118	Post <i>n</i> =118	<i>t</i> -value	<i>p</i> -value	Effect Size (Cohen's <i>d</i>)
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Results Qualitative

The common themes demonstrate that medical students found that the interprofessional approach in the TIPS NICU Follow-Up Clinic provides a robust framework for delivering high-quality, comprehensive care to children, ensuring their continued growth and development post-NICU. The common themes that emerged were:

Interprofessional Collaboration

- Importance of interprofessional collaboration in providing comprehensive care.
- Each team member contributes their unique expertise, allowing for a more holistic approach to patient care. This collaboration ensures that no aspect of the child's development and health is overlooked.

Specific Roles and Expertise

- Each team member has specific roles and expertise that contribute to the overall care of the patient and function of the team

Team Dynamics

- “The physician making observations while the developmental specialist conducts the assessment, and the nurse supporting both roles with documentation and additional information.”
- These examples illustrate how team members complement each other's work and how their combined efforts lead to a comprehensive care plan.

Comprehensive and Holistic Care

- The combined efforts of the team lead to a thorough evaluation of the child's needs.
- Approach is beneficial for both medical and developmental assessments, ensuring that the care plan addresses all areas of the child's growth and development.
- The integration of various perspectives leads to a more complete understanding of the child's condition and needs.

Family Involvement

- Providers work together to assess, plan, educate and empower the family.
- Involvement helps families understand the child's progress and how they can support development at home.

Optimized Care Delivery

- Synergy leads to better identifying issues, more thorough assessments, and well-rounded care plans that address both medical and developmental needs.
- Students noted that this approach is particularly beneficial in the NICU follow-up setting, where children have complex needs that require interprofessional input.

Efficiency and Coordination

- The interprofessional approach also enhances the efficiency and coordination of care.
- Families save time and receive a more integrated care plan by having multiple providers work together in a single appointment
- Reduces the need for multiple separate appointments and ensures that all relevant information is considered when making decisions about the child's care.



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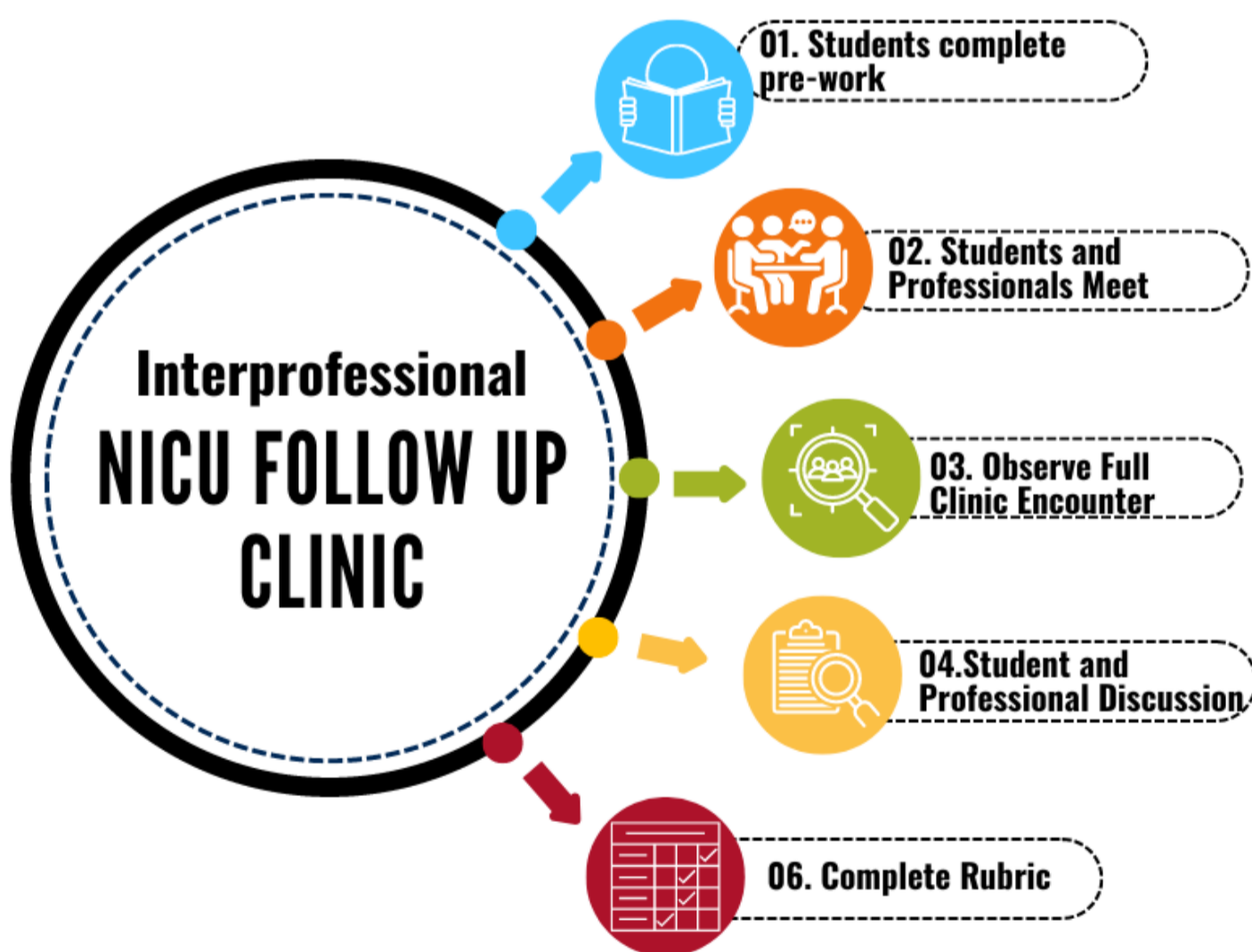
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