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## BACKGROUND

- Developing artificial intelligence (AI) literacy skills, including critical thinking and responsible use of AI-generated information, is essential for healthcare professionals.
- The effective integration of AI technologies in health professions education (HPE) requires careful design to ensure students develop AI skills and competencies.
- Faculty redesigned a drug information (DI) assignment to incorporate generative AI, aiming to enhance pharmacy students' AI literacy, while supporting the development of a high-quality DI response.
- Purpose:** To explore pharmacy students' perceptions of using AI tools to complete DI assignments and investigate the potential value of AI integration in HPE assignments.

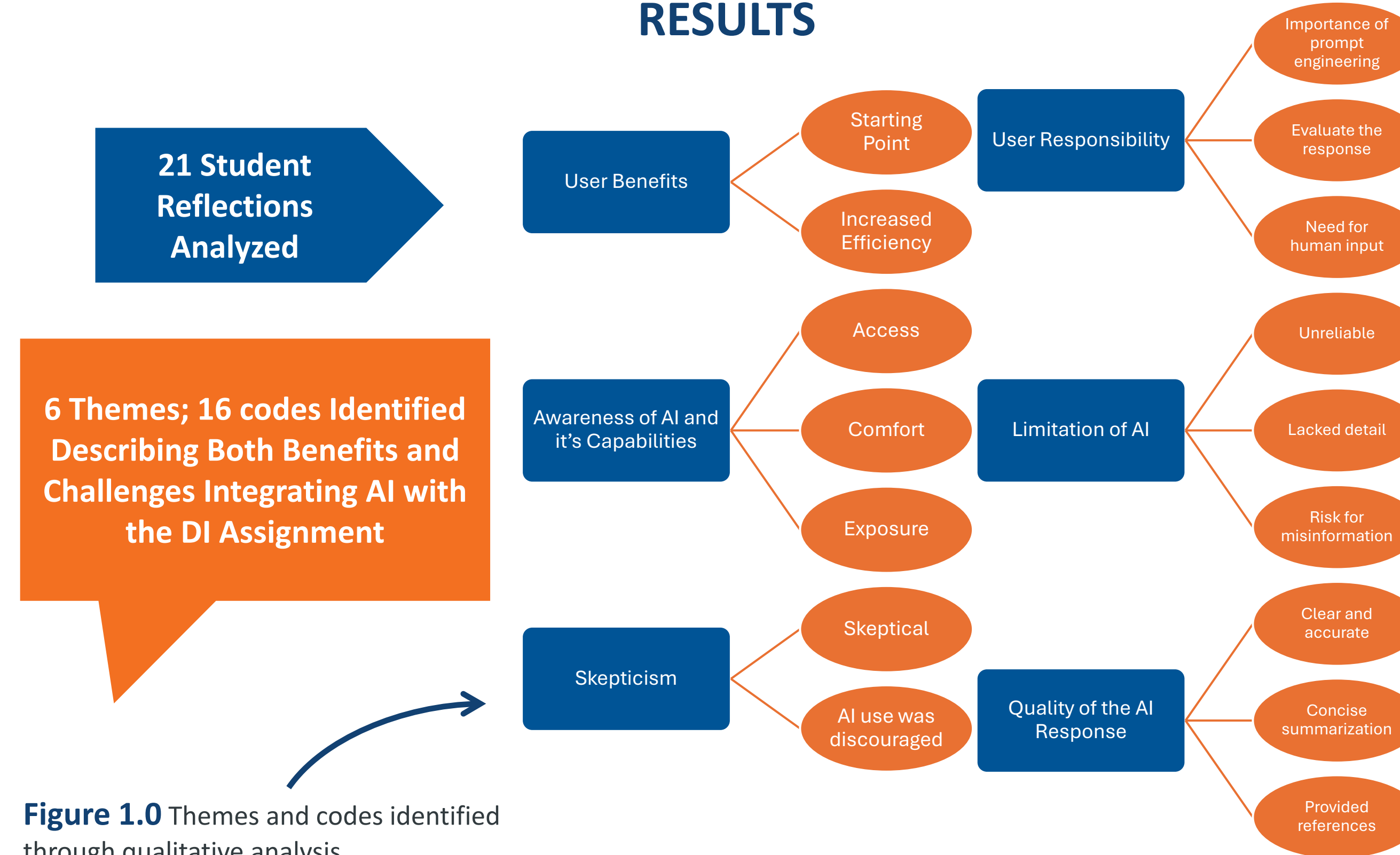
## METHODS

- Retrospective, qualitative, thematic analysis of reflections submitted by third-year pharmacy (P3) students on the integration of AI into a DI assignment
- P3s enrolled in the Spring 2024 Critical Care Elective Course
- Student competencies:**
  - Demonstrate how to access data, use AI applications, and interpret and evaluate results generated by AI tools.
  - Explain ethical and legal aspects of AI in healthcare, including patient privacy, consent, and confidentiality within AI systems.

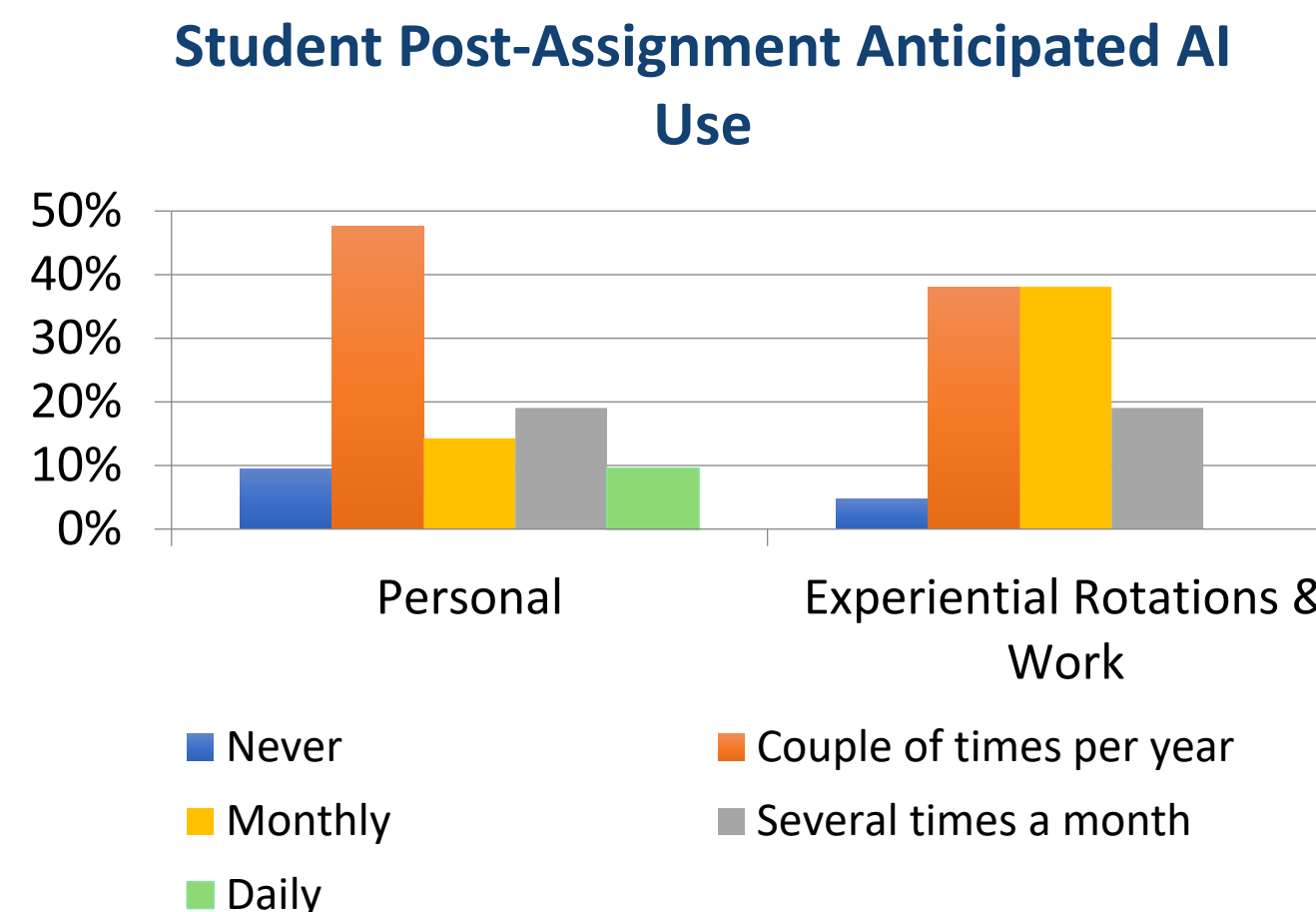
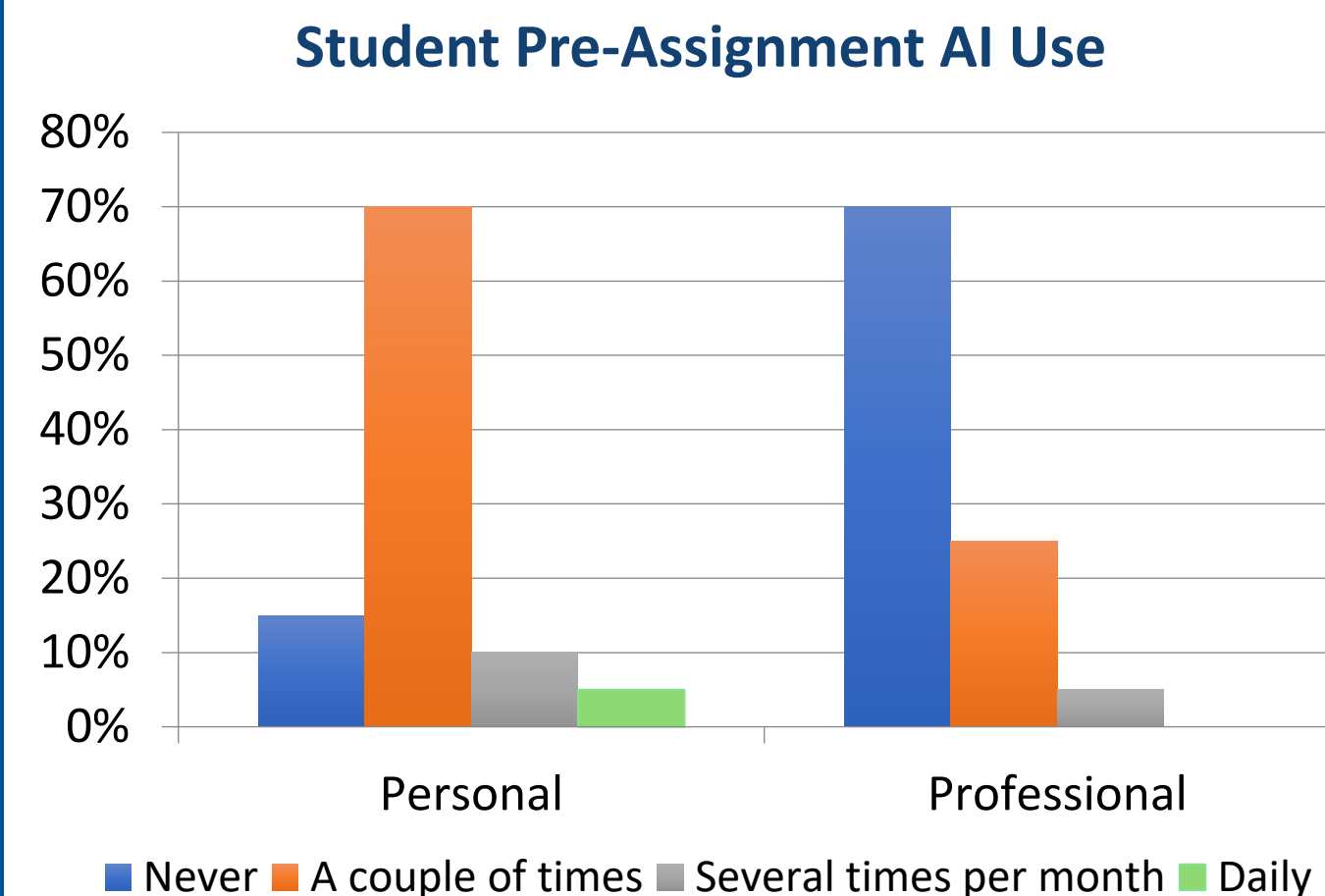
## AI-Enabled DI Assignment Instructions



## RESULTS



**Figure 1.0** Themes and codes identified through qualitative analysis



"It helped me with the basic overview of the topic and finding a good starting point for my research."

"It is the user's responsibility to critically evaluate any AI generated response and ensure that it is the most accurate and up to date information."

"This AI tool is not going to replace the clinician, itself, however, it can guide the clinician to look in certain resources to find answers."

## DISCUSSION

- Integrating AI into assignments can deepen understanding of AI capabilities, potential, and risks
- HPE should intentionally incorporate opportunities for students to evaluate AI-generated information to build competence in evidence-based assessment of AI information
- Intentionally incorporating AI tools into teaching and assignments can help students develop the competencies needed to know, use, and evaluate AI-generated information, preparing them for their future careers in healthcare.
- Limitations:**
  - Single assignment in a course at one college of pharmacy
  - Did not utilize clinically-based AI tools
  - AI tools have advanced

## CONCLUSIONS

- Through reflection, students identified the strengths and limitations of integrating AI into a DI assignment.
- While AI enhanced efficiency, students also highlighted the crucial responsibility of users to ensure the validity and adequate detail of DI question responses.