

# Need and perceptions for developing a graduate program in transdisciplinary healthcare

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### Abstract

This survey was conducted to explore the needs and perceptions for a developing a transdisciplinary program in healthcare graduate schools. A structured online survey was conducted among students and professors with diverse healthcare backgrounds. They provided insights into the current educational status, interests, and resources for developing a graduate-level healthcare convergence program. Majority respondents had interests in healthcare convergence education. This reflects the perceived value and demand for transdisciplinary healthcare education. They demand integrating multiple disciplines and emphasize the need for innovative curriculums and resources. We can suggest that a healthcare convergence program should incorporate elements such as digital healthcare technology and expertise across disciplines. These findings can guide the development of a healthcare graduate education program in the future.

## 1. Introduction

In the medical field, interdisciplinary research and collaborations are underway, along with active efforts to facilitate inter-professional education among health professionals. There is a necessity to explore the demand for a healthcare convergence program and its curriculum within graduate schools.

## 2. Methods

A survey was conducted to address this and to present a curriculum model highlighting the critical role of multidisciplinary approaches in healthcare education. A structured online survey was conducted among thirty-eight participants from diverse academic backgrounds, primarily in nursing and healthcare-related fields, using snowball sampling. They provided insights into the current educational status, interests, and resources for developing a graduate-level healthcare convergence education program.

## 3. Results

The participants consisted of individuals with bachelor's degree, doctoral-level education and with master's-level education. Mean age of participants was 35.8 years old. Majority of them have clinical experiences. Seventy-nine percent of respondents indicated a strong interest in healthcare convergence education, with 84% demonstrating a willingness to participate in such a program. This reflects the perceived value and demand for interdisciplinary healthcare education in the current academic landscape. They highlight the demand for integrating multiple disciplines and emphasize the need for innovative curriculum that can cater to the evolving requirements of healthcare professionals. They suggested for the convergence curriculum; 1) Expansion of knowledge in the specialized field, 2) Hands-on experience in convergence and interdisciplinary fields, 3) Expansion of research skills in convergence and interdisciplinary field, 4) Theoretical education in convergence and interdisciplinary fields 5)

Expansion of practical skills related to convergence and interdisciplinary fields. We can suggest that a healthcare convergence program should incorporate elements such as digital healthcare technology and expertise, along with team-based learning across disciplines.

#### 4. Conclusion

The need for developing a graduate-level healthcare convergence program is very high. These findings are instrumental in guiding the development of a dynamic and comprehensive curriculum model that aligns with the future needs of the healthcare sector.

#### References

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