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Capacitating Asia's Nursing Students on Innovative and Sustainable Prevention and Control of Healthcare-Associated Infections

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Introduction:

Healthcare-associated infections (HAI) are a global problem, threatening patient safety and affecting provided care quality(1). This is a particularly worrisome matter in countries with low socioeconomics status (2), being Vietnam and Cambodia two of the countries with a higher HAI and antimicrobial resistance (AMR) rate (2).

Results:

The results show that the use of the PrevInf Simulation Scenarios facilitates the nursing students learning, allowing them to develop the acquired knowledge and practice the procedures on a environment similar to real-world practice. These are being implemented by nursing teachers in the classroom and used by students in their individual study.

Objectives:

Improve nursing students education for HAI prevention and control in two asian countries, Cambodia and Vietnam, where the incidence of this problem is significant (3).

Conclusion:

The PrevInf Model combines scientific evidence and Guidelines on best infections prevention and control practices, serving as a basis for teaching students. The PrevInf project is an important mean for nursing students at these asian HEIs to acquire skills in prevention and control of HAI and AMR. The process, the consolidated structure and the results allowed the development of curricula at the involved Universities. The strategies and materials developed also allowed the dissemination of the project results to other HEIs.

Methods:

Collection and synthesis of scientific evidence to formulate the PrevInf Model and develop simulation scenarios. Implementation thereof and analysis of results. Elaboration of two e-books.

References:

(1) Peters, A., Schmid, M. N., Parneix, P., Lebowitz, D., de Kraker, M., Sauser, J., Zingg, W., & Pittet, D. (2022). Impact of environmental hygiene interventions on healthcare-associated infections and patient colonization: a systematic review. *Antimicrobial resistance and infection control*, 11(1), 38. <https://doi.org/10.1186/s13756-022-01075-1>
(2) Poh Wah Goh, L., Marbawi, H., Meng Goh, S., Kahar bin Abdul Asis, A., & Azlan Gansau, J. (2023, 15 de dezembro). The prevalence of hospital-acquired infections in Southeast Asia. *The journal of infection in developing countries*, 17(2), 139-146.
(3) Sousa A., et al. (2021) Capacitating Asian' Nursing Students on Prevention and Control of Healthcare-associated Infections, *Journal of Aging & Innovation*, 10 (3): 115-123
(4) WHO. (2022). WHO launches first ever global report on infection prevention and control. <https://www.who.int/news/item/06-05-2022-who-launches-first-ever-global-report-on-infection-prevention-and-control>

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CO-FUNDING:

"This study was carried out within the scope of the PrevInf Project (618396-EPP-1-2020-PT-EPPKA2-CBHE-JP), co-funded by the Erasmus+Program of the European Union."