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Collaboration between industry  
and academic staff using  
Delphi technique in  
developing nursing  
assessment scenarios

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# Objectives

- Introduction to project
- Process of undertaking Delphi study
- Results of study
- Value of collaboration
- Conclusion
- Questions

# Modified Delphi Technique

- Consensus methodology
- Use of expert panel – industry collaboration
- Advantages
- Disadvantages



# Scenario development

Case scenarios are recognised as a method of education that encourages critical thinking and active learner engagement by mimicking real life situations (West et al. 2012).

Unfolding case scenarios provide students with increasing data as the scenario is revealed, allowing them to analyse and respond to each situation before moving forward with additional information in the same case (West et al. 2012)

# Recruitment of panellists

- Recruitment
- Delphi rounds
- Reaching consensus



# Results of study

- Realistic scenarios
- Validated answers with rationales
- Development of relationship with industry partners

# Value of collaboration





# Conclusion





# Questions



# References

- Haji, F. A., Khan, R., Regehr, G., Ng, G., de Ribaupierre, S., & Dubrowski, A. (2015). Operationalising elaboration theory for simulation instruction design: a Delphi study. *Medical Education*, 49(6), 576-588. doi: 10.1111/medu.12726
- Hsu, C., & Sandford, B. A. (2007). The Delphi Technique: Making Sense of Consensus. *Practical Assessment, Research and Evaluation*, 12(10). Retrieved from <http://pareonline.net/pdf/v12n10.pdf>
- Jacob, E., Duffield, C., & Jacob, D. (2018) Development of an Australian nursing critical thinking tool using a Delphi process, *Journal of Advanced Nursing*. 74(9), 2241-2247. doi:10.111/jan.13732.
- Jacob, E., Duffield, C., & Jacob, D. (2018) Development of an Australian nursing critical thinking tool using a Delphi process, *Journal of Advanced Nursing*.74(9), 2241-2247. doi:10.111/jan.13732.
- Jacob, E., Duffield, C., & Jacob, A. (2019) Validation of data using Rasch Analysis in a tool measuring changes in critical thinking in Nursing Students, *Nurse Education Today*. 76(2019), 196-199. Doi.org/10.1016/j.nedt.2019.02.012
- Keeney, S., Hasson, F., & McKenna, H. (2011). *The Delphi technique in nursing and health research*. Chichester, West Sussex: John Wiley & Sons. <https://doi.org/10.1002/9781444392029>
- West, C., Usher, K. & Delaney, L. J. (2012) Unfolding case studies in pre-registration nursing education: Lessons learned. *Nurse Education Today* 32(5), 576-580.