Activities

# Chapter 21: Rigour

## Activity 21.1

In earlier chapters, we have previously referred to terms that are often used when discussing the production of good quality research. Give a definition for the following terms: validity, reliability, generalisability, trustworthiness and rigour.

## Activity 21.2

The following paper provides a more detailed discussion about strategies to promote content and face validity:

McElroy, C. and Esterhuizen, P. (2017) Compassionate communication in acute healthcare: establishing the face and content validity of a questionnaire. *Journal of Research in Nursing* 22(1-2): 72–88. <https://doi.org/10.1177%2F1744987116678903>

## Activity 21.3

The following paper illustrates the challenges and benefits of conducting a pilot study:

Day, T.L. Bench, S. and Griffiths, P.D. (2015) The role of pilot testing for a randomised control trial of a complex intervention in critical care. Journal of Research in Nursing, 20(3): 167–178. <https://doi.org/10.1177%2F1744987114547607>

## Activity 21.4

For examples of published pilot studies read:

Copeland, D. (2020) Brief Workplace Interventions Addressing Burnout, Compassion Fatigue, and Teamwork: A Pilot Study. *Western Journal of Nursing Research*, 1–8. https://doi.org/10.1177/0193945920938048

Or

Farewell, C.V. Jewell, J. Walls, J. and Leiferman, J.A. (2020) A Mixed-Methods Pilot Study of Perinatal Risk and Resilience During COVID-19. *Journal of Primary Care and Community Health*, 11: 1–8. <https://doi.org/10.1177/2150132720944074>

## Activity 21.5

You are going to conduct interviews with a group of researchers, to support the evaluation of a study’s fidelity. What sorts of topics might you cover in the interview?

## Activity 21.6

For examples of papers that describe establishing the fidelity of a study read:

Scherer, R.W. Erdman, S.A. Gold, S. Formby, C. and for the TRTT Research Group (2020) Treatment fidelity in the Tinnitus Retraining Therapy Trial. *Trials*, 21: 670 <https://doi.org/10.1186/s13063-020-04530-9>

Or

Harsha Bangura, A. Nirola, I. Thapa, P. *et al.* (2020) Measuring fidelity, feasibility, costs: an implementation evaluation of a cluster-controlled trial of group antenatal care in rural Nepal. *Reproductive Health,* 17(5). <https://doi.org/10.1186/s12978-019-0840-4>

## Activity 21.7

The following papers provide a more detailed discussion about strategies to promote the rigour of a qualitative study:

Houghton, C. Casey, D. Shaw, D. and Murphy, K. (2013) Rigour in qualitative case-study research, *Nurse Researcher*, 20(4): 12–17.

Darawsheh, W. (2014) Reflexivity in research, promoting rigour, reliability and validity in qualitative research, *International Journal of Therapy and Rehabilitation*, 21(12): 560–568.