



Complex interventions

These interventions typically contain a number of components that can include multiple control and experimental groups, numerous techniques for delivering the intervention, a variety of groups for receiving the intervention and variability in terms of outcomes being assessed.

Complex interventions pose a significant challenge for researcher by way of introduction of error. Below are a few suggested readings that address fundamental issues related to the design and implementation of complex interventions:

- 1.) Craig, P., Dieppe, P., Macintyre, S., Michie, S., Nazareth, I., & Petticrew, M. (2008). *Developing and evaluating complex interventions: the new Medical Research Council guidance*. BMJ, 337, a1655. doi: <http://dx.doi.org/10.1136/bmj.a1655>**
- 2.) Movsisyan, A., Melendez-Torres, G. J., & Montgomery, P. (2016). *Users identified challenges in applying GRADE to complex interventions and suggested an extension to GRADE*. Journal of clinical epidemiology, 70, 191-199.**
- 3.) Wilson, D. T., Walwyn, R. E., Brown, J., Farrin, A. J., & Brown, S. R. (2016). *Statistical challenges in assessing potential efficacy of complex interventions in pilot or feasibility studies*. Statistical methods in medical research, 25(3), 997-1009.**
- 4.) Gillies, C., Freemantle, N., Grieve, R., Sekhon, J., & Forder, J. (2016). *Advancing quantitative methods for the evaluation of complex interventions*. Doi: 10.3310/hsdr04160-37**