

## References

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NIH Office of Disease Prevention

Methods: Mind the Gap

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### GRTs

Please find key references at <https://researchmethodsresources.nih.gov/methods/grt>

In addition, please consider:

Hemming K, Kasza J, Hooper R, Forbes A, Taljaard M. A tutorial on sample size calculation for multiple-

period cluster randomized parallel, cross-over and stepped-wedge trials using the Shiny CRT

Calculator. *Int J Epidemiol.* 2020;49(3):979-95. Epub 2020/02/23. PMID: 32087011.

Kasza J, Hemming K, Hooper R, Matthews J, Forbes AB. Impact of non-uniform correlation structure on sample

size and power in multiple-period cluster randomised trials. *Stat Methods Med Res.* 2019;28(3):703-16.

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Kasza J, Hooper R, Copas A, Forbes AB. Sample size and power calculations for open cohort longitudinal cluster

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Li J, Jung SH. Sample size calculation for cluster randomization trials with a time-to-event endpoint. *Stat Med.*

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Murray DM, Taljaard M, Turner EL, George SM. Essential Ingredients and Innovations in the Design and Analysis

of Group-Randomized Trials. *Annu Rev Public Health.* 2020;41:1-19. Epub 2019/12/24. PMID: 31869281.

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Implications for design and analysis. *Psychol Methods.* 2020;25(4):516-34. Epub 2020/04/10. PMID:

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Taljaard M,Goldstein CE,Girardeau B,Nicholls SG,Carroll K,Hey SP,Brehaut JC,Jairath V,London AJ,Eldridge SM,Grimshaw JM,Fergusson DA, Weijer C. Cluster over individual randomization: are study design choices appropriately justified? Review of a random sample of trials. Clin Trials. 2020;17(3):253-63. Epub 2020/05/06. PMID: 32367741.

### **IRGTs**

Please find key references at <https://researchmethodsresources.nih.gov/methods/irgt>

In addition, please consider:

Hemming K,Kasza J,Hooper R,Forbes A, Taljaard M. A tutorial on sample size calculation for multiple-period cluster randomized parallel, cross-over and stepped-wedge trials using the Shiny CRT Calculator. Int J Epidemiol. 2020;49(3):979-95. Epub 2020/02/23. PMID: 32087011.

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Murray DM,Taljaard M,Turner EL, George SM. Essential Ingredients and Innovations in the Design and Analysis of Group-Randomized Trials. Annu Rev Public Health. 2020;41:1-19. Epub 2019/12/24. PMID: 31869281.

Roberts C. The implications of noncompliance for randomized trials with partial nesting due to group treatment. Stat Med. 2021;40(2):349-68. Epub 2020/10/30. PMID: 33118193.