Graduate program
Digital Public Health

université de BORDEAUX

Design, analysis and reporting of cluster randomised trials

This two-day workshop, dives into **cluster randomized trials** (CRTs), exploring different designs (parallel, stepped-wedge, crossover) with their strengths and weaknesses. It covers **ethical and logistical considerations**, then **equips you to choose the best design and perform sample size calculations**. Day two focuses on analyzing and reporting CRT results, addressing statistical methods and proper reporting techniques. Overall, **this workshop provides a comprehensive understanding of designing**, **conducting**, **analyzing**, and **reporting cluster randomized trials**.

Prerequisites

Good understanding of principles of clinical trials. Introductory biostatistics level. No prior statistical coding experience will be required.

Open to students holding a Master of Public Health, biostatistics or epidemiology.

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Design, analysis and reporting of cluster randomised trials

PROGRAM

Day 1: Design of cluster trials
Overview of cluster trials (parallel, stepped-wedge and crossover) with their strengths and weaknesses
Ethical and logistical considerations
How to choose the best design and perform sample size calculations

Practical session 1: choose the best design to answer a specific research question. Perform the relevant sample size calculation(s).

Day 2: Analysis and reporting of cluster trials
Analytical aspects of each design and special consideration (e.g. small number of clusters)
Reporting considerations

Practical session 2: critical appraisal of publications reporting the results of cluster trials

Teaching Method: The workshop will be held face-to-face. We will alternate between presentations and interactive hands-on sessions during which participants will choose the most appropriate design for a research question, perform sample size calculations and critically appraise previous cluster trials.

Training Objectives

To learn about the different cluster trial designs including their strengths and weaknesses as well as ethical and logistical implications. **To understand how to perform sample size calculations** as well as how to plan and conduct the analysis while taking the design into account.

Registration deadline :
Date :
Schedule :
Place :