

HOW TO APPLY THE MULTIPHASE OPTIMIZATION STRATEGY (MOST) IN YOUR INTERVENTION DEVELOPMENT RESEARCH

Module 5

**Rigorous and responsible conduct of
intervention optimization research**

Lesson 9: Review of Module 5



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PUBLIC HEALTH**

Intervention Optimization Initiative

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- This lesson will review what you have learned in Module 5 and how it relates to course learning objectives.



Course learning objective

Learn how to:

- Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Implement a factorial optimization trial in a rigorous manner

- You have learned how to:
- Recognize the critical importance of selecting experimental factors that can be manipulated independently

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Implement a factorial optimization trial in a rigorous manner

- You have learned how to:
- Plan an optimization trial when the outcome of interest is far in the future

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Implement a factorial optimization trial in a rigorous manner

- You have learned how to:
- Avoid accidental contamination between experimental conditions

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Ensure that all participants are provided at least the standard of care by including a constant component in a factorial experiment

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Develop appropriate informed consent procedures for a factorial optimization trial

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Enter an optimization trial into a clinical trials registry

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Generalize the concept of clinical equipoise to an optimization trial

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Prevent accidental contamination between experimental conditions

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Module 5 learning objective: Follow best practices for responsible conduct of research when implementing a factorial optimization trial

- You have learned how to:
- Prevent protocol deviations

Course learning objective: Design and conduct a rigorous and efficient factorial optimization trial in a field setting

Congratulations! You have completed
Module 5



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