

# **Complex Innovative Trial Designs for Learning VA Healthcare System**

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## **Abstract**

The VA Cooperative Studies Program (CSP) is a division in the Office of Research and Development in the US Department of Veterans Affairs. The mission of CSP is to advance the health and care of Veterans through cooperative research studies that produce innovative and effective solutions to Veteran and national healthcare problems. In this talk, we will provide an overview of CSP and examples of our innovations to integrate clinical research with clinical care in the framework of a learning healthcare system, including (a) multi-arm multi-stage designs, (b) sequential randomized trials, (c) point-of-care trials, and (d) leveraging electronic health information to augment clinical trials. We will also discuss the statistical considerations and challenges in the design of these studies.