



PRINCIPLES AND PRACTICE OF CLINICAL RESEARCH

November–March 2018

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hsph.me/ppcr



This collaborative and interactive distance-learning program in clinical research is offered to participants from Boston and throughout the world. The program is designed for individuals who wish to gain basic and advanced training in clinical trials before moving into the field and for those who have experience in this area and aim to expand their role in designing, managing, analyzing, and reporting the findings of clinical trials.

Main Course Program Overview

(for detailed program go to hsph.me/ppcr)

Module 1: Introduction to Clinical Trials, Selection of the Questions, Study Population, Basic Study Design, Integrity in Research, The Randomization Process, Study Blinding

Module 2: Basics of Statistics, Statistical Tests I and II, Sample Size Calculation, Survival Analysis

Module 3: Statistical Tests III, Missing Data and Covariate Adjustment, Meta-analysis and Subgroup Analysis, Introduction to Regression Modeling

Module 4: Safety, Clinical, and Surrogate Outcomes, Recruitment of Study Participants and Participant Adherence, Clinical Research in the Context of Individualized Medicine (N-of-1 Designs), The Business of Clinical Research, Effective Communication in Clinical Research

Module 5: Non-inferiority Designs, Adaptive Designs, Interim Analysis, Phase III and Multicenter Trials, Observational Studies, Confounders in Observational Studies, Using the Method of Propensity Score, RCT vs. Observational Designs – How to Choose

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**HARVARD
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SCHOOL OF PUBLIC HEALTH

Executive and Continuing
Professional Education



Program Dates

9-Month Distance Learning Main Program:
March–November 2018

5-Day Immersion Course:
November 6–11, 2018

Optional 3-Day Advanced Statistical Workshop:
July 23–25, 2018

Optional Research Proposal Writing Workshop:
July 26–27, 2018

Application and Program Admission

Registration is limited. Please submit the following documents online at [hsph.me/ppcr](https://hsph.harvard.edu/ppcr): Curriculum Vitae, letter of intent stating the reason for participating in the program and letter of recommendation. Applications are due by **December 31, 2017**. Late application will be considered on a case-by-case basis.

The Executive and Continuing Professional Education Difference

The overarching mission of Harvard T.H. Chan School of Public Health is to advance the public's health through learning, discovery, and communication. The Center for Executive and Continuing Professional Education (ECPE) translates faculty research and experience into intensive, applied courses to help leaders across industries address critical challenges in public health and health care. Executive education at ECPE encourages leadership development and provides the knowledge and skills to improve organizational performance. The interactive classroom environment will help you develop innovative and creative approaches to overcoming challenges, while developing relationships that continue long after the program ends.

Harvard Faculty

All ECPE programs are directed and taught by faculty from Harvard University. Our faculty's cutting-edge research and real-world experience shape the field of public health. Program faculty will help you develop the knowledge, critical thinking, and decision-making skills you need to prepare your organization for success.

Elite and Global Peer Network

At Harvard, you will learn alongside leaders from across industries and around the world. Your fellow participants are an integral part of your learning experience, offering valuable insight to overcome the challenges you face daily. You will leave Harvard having developed a global network of peers you can rely on for guidance as you return home and implement what you learned.

Engaging, Applied Programs

ECPE programs are designed to ensure close interaction between Harvard faculty and course participants. Through case studies, workshops, and small group discussions, we foster collaboration between participants across industries, functional backgrounds, and geographies, encouraging a broader understanding of the curriculum.

Contact Us

As you plan your executive education for the upcoming year, visit our website to learn more about how Harvard T.H. Chan School of Public Health Executive and Continuing Professional Education can help you improve public health, health care, and your career.

Harvard T.H. Chan School of Public Health Executive and Continuing Professional Education

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