

# PRINCIPLES AND PRACTICE OF CLINICAL RESEARCH

INTERNATIONAL DISTANCE-LEARNING CLINICAL RESEARCH TRAINING PROGRAM

**MARCH 23-NOVEMBER 11, 2023**

Program Director — Felipe Fregni, MD, PhD, MPH, MEd  
Professor of Epidemiology, Harvard T.H. Chan School of Public Health  
Professor of Physical Medicine & Rehabilitation, Harvard Medical School



This collaborative, interactive distance-learning program in Clinical Research attracts participants from across the globe, from the U.S. to Brazil to Germany to Japan. The program is designed both 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 PROGRAM OVERVIEW

**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, II and III, Sample Size Calculation. You will perform statistical analysis in Stata software.

**MODULE 3:** Survival Analysis, 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.

## PROGRAM DATES:

- **9-MONTH DISTANCE LEARNING MAIN PROGRAM:** MARCH 23-NOVEMBER 11, 2023
- **5-DAY IMMERSION COURSE:** NOVEMBER 7 - 11, 2023
- **OPTIONAL 3-DAY ADVANCED STATISTICAL WORKSHOP:** JULY 24-26, 2023
- **OPTIONAL 2-DAY RESEARCH MANUSCRIPT WRITING WORKSHOP:** JULY 27-28, 2023

*Dates are subject to change.*

## PROGRAM FORMAT

This program blends live and online interaction via the web and on-site centers. Participants attend weekly three-hour interactive videoconference sessions, which are broadcast live from Boston to centers around the world. Participants may enroll either as part of a site center or individually, if they do not have access to a site center.

LEARN MORE AT [WWW.PPCR.ORG](http://WWW.PPCR.ORG)



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Registration is limited. Please apply at [www.ppcr.org](http://www.ppcr.org). The following documents are required: curriculum vitae, letter of intent stating the reason for participating in the program, letter of recommendation and a professional picture. Applications are due by December 31, 2022. Late applications will be considered on a case-by-case basis.

## INTERNATIONAL SITES

We have more than 50 sites across the globe that broadcast the PPCR Main Program lectures live each week in the following countries:

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## THE CORONAVIRUS PANDEMIC AND SITE PARTICIPATION FOR 2023

During this challenging time, our work at Harvard T.H. Chan School of Public Health as a research and educational institution has never been more important, and the PPCR Program is committed to guaranteeing the safety of our participants.

Although few of our sites were closed in 2022 due to COVID-19, we hope that in 2023 we will see the reopening of most/all of our sites. All sites will observe the local safety protocols. Therefore, if you register for the site option of \$3,300 and your site is closed at the start of the program, you may have to work remotely until your site re-opens – for no additional charge. If and when your site re-opens, you will be expected to attend all class sessions at that site. Those participants who opt for Remote learning (\$4,600) may continue to work remotely for the entirety of the program.

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