

CAS

Clinical Research in Health Care Organisations

For real-world
clinical impact



LIFELONG
LEARNING.

*Because evidence
matters in healthcare-
decision making*

CAS Clinical Research

The CAS in Clinical Research equips clinicians, health professionals, researchers, and life sciences professionals with the knowledge and practical skills they need to design, conduct, analyse, and appraise clinical studies.

Location

Mittelstrasse 43
3012 Bern

Clinical research relies on critical thinking to advance evidence-based healthcare that ultimately improves patient outcomes. The Clinical Research course Programme covers observational studies, randomised clinical trials, systematic reviews, meta-analyses, and prognostic research. Elective modules include qualitative health research, participatory research in clinical care, and sex and gender in health research. Programme participants will receive in-depth training in biostatistics and R programming, science communication and securing research funding. Modules are fully interactive and taught by world-class researchers. Participants will gain the expertise necessary to translate clinical questions into high-quality research grow the evidence base for healthcare decision-making.

Goals

The CAS Clinical Research Programme is designed to provide the theory and tools required to draw up a research protocol, design studies based on appropriate methodology, plan data collection, analyse the collected data, and publish the results.

At the end of the CAS in Clinical Research, participants will be able to:

- Write clear and actionable research questions
- Design and draft a research protocol from the initial idea to the study's implementation
- Plan, conduct, and evaluate clinical research projects and apply statistical methods learned through hands-on experience in R.
- Critically assess study designs and published research, including systematic reviews and meta-analyses.

Course Programme

The programme requires about 450 hours of work distributed over 10 3-day modules. Completing the CAS usually takes 2 years and earns participants 15 ECTS credits. Participants can also choose elective modules that interest them.

Compulsory Modules

- General Principles of Clinical Research
- Cross-sectional Studies, Questionnaire Design & REDCap
- Cohort Studies
- Funding Research and Science Communication
- Case-control and Diagnostic Test Studies
- Randomized Controlled Trials
- Systematic Reviews & Meta-Analysis
- Prognostic Research

Elective Modules

Participants can focus on their own interests and strengthen what they learned in the compulsory modules by choosing two of the following electives:

- Introduction to Qualitative Health Research
- Patient Partnership in Clinical Care, Research & Guidelines Development
- Integrating Sex and Gender Perspectives in Clinical Research

Registration Deadline

Registration deadline is 30 November.

Language

The entire CAS programme is conducted in English.

Fees

CHF 10,000 (CHF 5,000 for UniBE PhD students who use the ECTS for their PhD)

More Information

Please visit the homepage for more information:

<https://www.cas-clinicalresearch.ch>

Contact

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