



# GLOBAL CLINICAL RESEARCH PROGRAM

## 90 EC

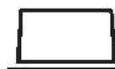
## MASTER OF SCIENCE IN EPIDEMIOLOGY: POSTGRADUATE EDUCATION AT ITS BEST

### About this custom-made program

The Global Clinical Research program focuses on competencies that you need as a clinical researcher: it offers plenty of attention for clinical epidemiology and it also enables you to judge research and to implement results from literature. The best of both worlds: online learning with live workshops from renowned faculty professors.

The program is designed for professionals already working in the field who would like to further develop their research skills. The program also provides a strong foundation for scientists starting a career in clinical or epidemiological research.

The aim of the program is to provide you with extensive knowledge and practical skills in patient-oriented research design, implementation, quantitative analysis and its application to clinical medicine and public health. The gained knowledge and skills form a solid basis for health research and disease control programs, including application in Low and Middle Income countries and upcoming economies.



### Academic MSc degree of Utrecht University

This 90 EC online research master program will provide you with an official Master of Science degree.

The Shanghai ranking lists Utrecht University as the best Dutch university with a worldwide rank of #56.

“My master’s program at Utrecht University has greatly enhanced my skills in clinical research and has benefited my work in our medical center”

Nirmala Patel, professor of clinical epidemiology at the University of Malaya Medical Center in Kuala Lumpur

## Program content

The Global Clinical Research Project has a workload of 90 EC. This consists of core courses (20 EC), specialization courses (14 EC), and a research project (56 EC) at your own location with guidance from a Utrecht University supervisor. This research project, which can be tailored to regional questions, will be an excellent way to combine your professional work with your study. It typically results in an academic publication. Apart from the time necessary for the research project, your study work load for the core modules will be about 14 hours per week.

## 23 MONTHS SCHEDULE

First year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Core courses (20 EC in total). Choose all:</b>												
Introduction to Epidemiology (1,5 EC)		Wk 6-8										
Effective Conference Poster Presentations (0,5 EC)		Wk 6-7										
Writing a Research Proposal (1,0 EC)		Wk 8-14										
Introduction to Statistics (1,5 EC)		Wk 8-10										
Study Design in Etiologic Research (3.0 EC)			Wk 11-16									
Classical Methods in Data Analysis (6.0 EC)						Wk 20-31						
Modern Methods in Data Analysis (4,5 EC)									Wk 37-45			
Research Ethics: an introduction (1,5 EC)									Wk 37-42			
Presenting your Research confidently (0,5 EC)											Wk 45-48	
<b>Research project (26 EC)</b>												
<b>Live workshop (tentative period)</b>												

Second year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<b>Specialization courses (14 EC in total). Choose from:</b>													
Clinical Epidemiology track			Courses for this track option to be selected later by participant (14 EC in total)										
Epidemiology and Public Health track			Courses for this track option to be selected later by participant (14 EC in total)										
One Health track			Courses for this track option to be selected later by participant (14 EC in total)										
<b>Research project (30 EC)</b>													
<b>Live workshops (tentative period)</b>													

## CORE COURSES

	EC		EC
Introduction to Epidemiology	1.5	Presenting Your Research Confidently	0.5
Introduction to Statistics	1.5	Effective Poster Presentations	0.5
Study Design	3.0	Writing a Research Proposal	1.0
Classical Methods in Data Analysis	6.0	Research Ethics	1.5
Modern Methods in Data Analysis	4.5		

After you've finished the core courses in epidemiology and statistics, you will continue your studies in one of the three specialization tracks: Clinical Epidemiology, Epidemiology and Public Health, and One Health.

A smart combination of online learning  
with live workshops of 1 week

“As a clinician and researcher I greatly enjoyed the education program. It really helps in my everyday work and the monitoring of my fellows.”

Frank Visseren, Professor of Vascular Medicine at the University Medical Center in Utrecht

## Clinical Epidemiology

In clinical epidemiology, research is focused on questions of diagnosis, prognosis, treatment and etiology. To address these questions, several research options are available, including intervention trials and case-control studies using data obtained in a clinical setting.

### Courses include, among others:

- ✓ Clinical Trials and Drug Risk Assessment
- ✓ Clinical Epidemiology
- ✓ Systematic Reviews

## Epidemiology and Public Health

In the specialization ‘Epidemiology and Public Health’ you compose your own program depending on your interest. This means maximum flexibility.

### Courses include, among others:

- ✓ Cardiovascular Epidemiology
- ✓ Public Health Epidemiology
- ✓ Fundamentals of Global Health
- ✓ Pharmaco-epidemiology and Drug Safety

## One Health

One Health stands for the collaborative efforts, locally, nationally or globally, to attain optimal health for people, animals and the environment. Students specializing in this field will acquire extensive knowledge of epidemiology, statistics and economics, techniques in the economic analysis of epidemiological data, and the ability to apply theoretical epidemiological and health research concepts into practice.

## Way of learning

In this Global Clinical Research Program, you’ll have the unique opportunity to get your academic epidemiology degree simultaneous with a busy career and social life.

You will receive personal guidance, interaction and support during your study which consists of (interactive) web lectures, discussions, (group) assignments, expert sessions, quizzes and the like.

The program includes face-to-face workshops and meetings with fellow participants and academic staff. The program language is English.

You will be working in small-scale virtual class rooms with a lot of personal interaction and feedback by our e-moderators and with your peers





## Faculty

The program is taught by a faculty of over 20 internationally renowned professors and associate professors, such as professors Rick Grobbee MD PhD FESC and Arno Hoes MD PhD, both famous within the field of clinical epidemiology.



**Diederick (Rick) E. Grobbee** is professor of Clinical Epidemiology, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, The Netherlands. According to Thomson's list, Professor Grobbee is one of the world's most influential scientific minds. He published over 1100 papers (H=119).



**Arno W. Hoes** is professor of Clinical Epidemiology, Chair, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, The Netherlands. He published over 400 papers (H=59).

## For whom?

This program is perfectly suited to anyone who has completed a medical or biomedical degree, such as: ✓  
Physicians (MD);

✓ MSc in Life Sciences;

✓ Pharmacists (Pharm)

✓ Candidates with an MSc degree that is comparable to the degrees indicated above, preferably with at least one year of practical experience.

*Please note that sufficient proficiency in English reading and writing is required.*

*Applicants have to meet the admission requirements.*

## Reasons to enroll

✓ High-quality education with an internationally recognized diploma of Utrecht University

✓ Maximum flexibility and time-efficiency: 24/7 access to Elevate's Virtual Learning Environment

✓ Global interaction with peers

✓ Personal guidance and support from e-moderators and renowned lecturers

✓ Unique combination of online learning with live workshops and face-to-face meetings.

