Master Santé publique – Parcours : Comparative effectiveness research

SCIENCES, TECHNOLOGIES, SANTÉ

Présentation

Clinical research has generated tremendous knowledge on diagnosis and treatment. However, it does not provide sufficient information to determine what treatment works best, for whom, and under which conditions.

Comparative Effectiveness Research (CER) addresses these issues by identifying the most effective interventions for specific patient groups. It is a growing area of cutting-edge research that is elevated at the level of national initiative in the USA. It is “the generation and synthesis of evidence that compares the benefits and harms of alternative methods to prevent, diagnose, treat, and monitor a clinical condition or to improve the delivery of care”.

OBJECTIFS

This is a unique opportunity for students to get a specialised Master in Comparative Effectiveness Research, a first of its kind in Europe, offered by top-level professors coming from the Amsterdam University, the Danube University, the Ioannina University, the Oxford University, the Paris Descartes University, the Paris Diderot University, the Queen’s University Belfast, the Utrecht University, and the York University.

This new Master of Science is delivered in English and aims at international students who want to acquire interdisciplinary skills to evolve in the field of Comparative Effectiveness Research. The programme is limited to 30 students, a small group size that will allow professors to use highly interactive and innovative teaching methods including work in small groups. The goal of the programme is to acquire strong skills in methods, epidemiology, and biostatistics.

COMPÉTENCES VISÉES

Acquire the methodological bases needed to do any activity in public health, and master the public health concepts and methods in order to apply them to:

* Therapeutic assessment and comparative assessment of research in the diagnostic, therapeutic, prognostic, and preventive fields,
* The development of health information systems,
* The context of healthcare in the diagnostic, therapeutic, prognostic, and preventive fields,
* The context of the assessment and management of risks - including professional and environmental risks,
* The context of health safety and healthcare quality.

After finishing the Master’s degree, students should be able to get involved in research projects or be active in protecting, promoting, or restoring public health.

The Master’s aims at providing students with:

* Theoretical background related to subjects that contribute to the collective approach of health events, such as general biostatistics, clinical epidemiology, modelling, biomedical computing, epidemiology, clinical research, risk assessment, …
* Extended CER-specific methodological knowledge,
* Practical experience within a research or professional environment. Students should be able to apply the acquired methodological knowledge through their

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personal work (writing of a thesis and thesis defense) during their 6-month internship.

Programme

ORGANISATION

The offered Master of Science in Comparative Effectiveness Research is a second-year course that is a part of a two-year Master in Public Health programme. This Master’s programme comprises 10 modules, which are delivered through a range of interactive learning strategies. The programme includes the latest methods and advances in the field of CER, epidemiology and biostatistics. Courses will include applied, hands-on sessions allowing the use of various epidemiological methods, statistical methods, analysis of various types of data and other. This research Master programme will start in October and finish in July. Upon the completion of formalised courses, the students will have to complete a 5-6 month internship. The awarding of the Master’s degree will depend on successful completion of the formalised courses and the thesis defence.

In addition to the international teaching settings the students will benefit from the vast professional network maintained by faculty members. In particular, the non-academic networks include the Cochrane Collaboration, the EQUATOR Network, the CONSORT Network, INSERM, and others. This Masters programme strives to strengthen via the internship the connection and the mutualisation of the research discoveries between the academic and non-academic partners. The latter encourages the acquisition of the transferable skills needed to succeed in a 21-century research setting and for the smooth transition to the professional world.

STAGE

Stage : Obligatoire

Admission

Et après ?

POURSUITE D’ÉTUDES

The following career paths could be pursued after the completion of the current Master’s programme: continuation into a PhD degree; joining research agencies (R&D), NGOs, think-tanks, government or international agencies working on health issues, and many other professional opportunities.

TAUX DE RÉUSSITE

85%

Contacts

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En bref

**Composante(s)**
Faculté de médecine

**Niveau d'études visé**
BAC +5

**Durée**
1 an

**ECTS**
60

**Public(s) cible(s)**
- Demandeur d'emploi
- Responsable entreprise
- Salarié - Profession libérale
- Étudiant

**Modalité(s) de formation**
- Formation initiale
- Formation continue

**Validation des Acquis de l'Expérience**
Oui

**Langue(s) des enseignements**
- Anglais

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