

Course Information Sheet for entry in 2025-26: MSc in Evidence-Based Health Care (Medical Statistics)



Course facts

Mode of study	Part Time Only
Expected length	2 to 4 years

About the course

This is a course for health professionals who wish to strengthen their statistical skills and ability to analyse data. Students will gain confidence in carrying out the methods that are widely used in medical statistics, and interpreting the results for the practice of evidence-based health care.

The MSc in Evidence-Based Health Care (Medical Statistics) is designed for doctors, nurses, pharmacists, midwives and other healthcare professionals, seeking to consolidate their understanding and ability in medical statistics. Core modules introduce the students to methods for observational and clinical trials research. Optional modules offer the students skills in growth areas such as systematic review, meta-analysis, and big data epidemiology, or specialist areas such as statistical computing, diagnosis and screening research and others.

The course aims to give students high competence in the concepts, methods, terminology and interpretation of medical statistics; and hence, enhance their ability to carry out their own research and to interpret published evidence.

Students should gain:

- competence in execution and interpretation of core statistical techniques used by medical statisticians, particularly those used in multivariable analyses: multiple linear regression, logistic regression, and survival modelling, statistical analysis plans and statistical reporting
- competence in execution and interpretation of core statistical techniques used by medical statisticians in clinical trials
- competence in execution and interpretation of four other areas, selected by the student from the following options: meta-analysis; systematic review; big data epidemiology; statistical computing; diagnosis and screening; study design and research methods
- hands-on experience, supervised by a senior member of our medical statistics team, of the analysis or meta-analysis of healthcare data, in order to address a question in evidence-based health care.

Compared to the main EBHC course, MSc in Evidence-Based Health Care, this will suit those with basic statistical understanding who now seek deeper understanding on a broader base of statistical methods.

The MSc is a joint course offered between the Nuffield Department of Primary Care Health Sciences and the Department for Continuing Education. The course works in collaboration with the renowned Centre for Evidence-Based Medicine in Oxford.

This course has teachers and contributors who are internationally recognised leaders in the field of evidence-based practice and teaching. The flexible structure of the course has been devised to fit with the structure of specialist training and to accommodate student choice.

Teaching is tailored to non-statisticians and delivered by an experienced team of tutors from University of Oxford who bridge the disciplines of medical statistics and evidence-based health care.

Course structure

You will be guided through two core modules, four optional modules, and a dissertation leading to a qualification in the application of medical statistics to evidence-based health care. The majority of modules are run over either an eight, or fifteen week learning cycle and are spaced throughout the academic year. This allows for a choice of options to be taken over the two to four years that you attend the course.

Core Modules

You will take the following two core modules:

- Essential Medical Statistics
- Statistics for Clinical Trials

Optional modules

You will take four option modules in total; two modules from group one, followed by two from group two, or one further module from group one and one from group two. Please note that not all modules are guaranteed to run every year.

Group one modules

- Big Data Epidemiology
- Clinical Prediction Rules
- Meta-analysis
- Statistical Computing for Health Care Research

Group two modules

- Economics of Healthcare
- Evidence-based Diagnosis and Screening
- Introduction to Study Design and Research Methods
- Systematic Reviews or Complex Reviews

Teaching format

Most modules are either delivered fully online or in a blended format. However, some modules are only delivered with a blended format that includes a five day attendance in Oxford, and some are only run entirely online. In any given year, not all delivery formats for a module may be available.

More information about the course and modules can be found on the course page, on the Department for Continuing Education Website (See *Further Information and Enquiries*).

Blended format

An initial period of self-directed study is spent on introductory activities using a Virtual Learning Environment (VLE). This is followed by a week spent in Oxford for supported face-to-face teaching, and then a further period of Post-Oxford activities (a mixture of self-directed and supported distance learning also delivered through the VLE). The final week of each module is for self-directed personal study, shortly followed by the assignment submission.

Fully online format

Fully-online modules are delivered through the VLE with the first week allocated to self-directed introductory activities.

For some courses, you will have a number of units to work through which are released week by week. Each unit includes a mixture of supported and self-directed learning with discussion forums, tasks and activities. You will then have five weeks of self-directed personal study with use of a revision forum and the requirement to submit an assignment electronically the following week. These courses that usually run over a 15 week period.

For other courses, five consecutive days of synchronous and asynchronous teaching sessions will be followed by a further period of activities (a mixture of self-directed and supported distance learning also delivered through the VLE). The final week of each module is for self-directed personal study, shortly followed by the assignment submission. These courses usually run over an eight week period.

Attendance

As a part-time student, you will be required to attend a minimum of two modules (one of which must be a compulsory module) 'in person' in Oxford. Each 'in person' module requires you to attend a week (five days) in Oxford for supported face to face teaching. Your other four modules can be made up of a mix of 'in person', or fully online modules. For additional note: All students are required to attend a minimum of one module in each academic year on course. This can either be 'in person' or fully online.

Resources to support your study

As a graduate student, you will have access to the University's wide range of world-class resources including libraries, museums, galleries, digital resources and IT services.

The Bodleian Libraries is the largest library system in the UK. It includes the main Bodleian Library and libraries across Oxford, including major research libraries and faculty, department and institute libraries. Together, the Libraries hold more than 13 million printed items, provide access to e-journals, and contain outstanding special collections including rare books and manuscripts, classical papyri, maps, music, art and printed ephemera.

The University's IT Services is available to all students to support with core university IT systems and tools, as well as many other services and facilities. IT Services also offers a range of IT learning courses for students, to support with learning and research.

The Rewley House Continuing Education Library, one of the Bodleian Libraries, is situated in Rewley House. The department aims to support the wide variety of subjects covered by departmental courses at many academic levels. The department also has a collection of around 73,000 books together with periodicals. PCs in the library give access to the internet and the full range of electronic resources subscribed to by the University of Oxford. Wi-Fi is also available. The Jessop Reading Room

adjoining the library is available for study. The department provides various IT facilities, including the Student Computing Facility which provides individual PCs for your use.

Supervision

The allocation of graduate supervision for this course is the responsibility of the Nuffield Department of Primary Care Health Sciences and/or the Department for Continuing Education and it is not always possible to accommodate the preferences of incoming graduate students to work with a particular member of staff. Under exceptional circumstances a supervisor may be found outside the Nuffield Department of Primary Care Health Sciences and/or the Department for Continuing Education.

Most students have the opportunity to meet, or contact their supervisor at least once per month.

Assessment

Assessments are conducted at the end of each module and comprise a written paper, submitted via an online portal. The dissertation will be on a topic chosen in consultation with your supervisor and the course director and should not normally exceed 15,000 words.

Students typically submit a 'Notification of Provisional Title', a calendar year before their dissertation submission date. A full draft is usually submitted two months prior to the submission deadline. The final submission is usually due on the last working day of September, for the given year of completion.

Changes to this course

The University will seek to deliver this course in accordance with the description set out above. However, there may be situations in which it is desirable or necessary for the University to make changes in course provision, either before or after you commence your course. These might include significant changes made necessary by any pandemic, epidemic or local health emergency. For further information, please see the University's Terms and Conditions (<http://www.graduate.ox.ac.uk/terms>) and our page on changes to courses (<http://www.graduate.ox.ac.uk/coursechanges>).

Costs

Modular course fees

The fees for this course are charged on a modular basis. You will pay an annual course fee and an additional fee for each module studied. A minimum of two annual course fees are payable for this course. If this course includes a dissertation, three module fees will be charged for the dissertation.

Fees for the 2025-26 academic year

Fee status	Annual Course Fee	Fee per module	Total estimated fees
Home	£9,020	£2,740	Please see the department's website for further details
Overseas	£9,020	£2,740	

Information about course fees

Course fees are payable each year, for the duration of your fee liability (your fee liability is the length of time for which you are required to pay course fees). For courses lasting longer than one year, please be aware that fees will usually increase annually. Information about how much fees and other costs may increase is set out in the University's Terms and Conditions (<http://www.graduate.ox.ac.uk/terms>).

Course fees cover your teaching as well as other academic services and facilities provided to support your studies. Unless specified in the additional cost information (below), course fees do not cover your accommodation, residential costs or other living costs. They also don't cover any additional costs and charges that are outlined in the additional cost information.

Additional cost information

This course has residential sessions in Oxford. You will need to meet your travel and accommodation costs in attending these sessions. Further, as part of your course requirements, you may need to choose a dissertation, a project or a thesis topic. Depending on your choice of topic and the research required to complete it, you may incur additional expenses, such as travel expenses, research expenses, and field trips. You will need to meet these additional costs, although you may be able to apply for small grants from your department and/or college to help you cover some of these expenses.

Living costs

In addition to your course fees and any additional course-specific costs, you will need to ensure that you have adequate funds to support your living costs for the duration of your course.

If you are studying part-time your living costs may vary depending on your personal circumstances but you must still ensure that you will have sufficient funding to meet these costs for the duration of your course.

The likely living costs for the 2025-26 academic year are published below. These costs are based on a single, full-time graduate student, with no dependants, living in Oxford. We provide the cost per month so you can multiply up by the number of months you expect to live in Oxford.

Likely living costs for one month

	Lower range	Upper range
Food	£330	£515
Accommodation	£790	£955
Personal items	£200	£335
Social activities	£45	£100
Study costs	£40	£90
Other	£20	£40
Total	£1,425	£2,035

Likely living costs for nine months

	Lower range	Upper range
Food	£2,970	£4,635
Accommodation	£7,110	£8,595
Personal items	£1,800	£3,015
Social activities	£405	£900
Study costs	£360	£810
Other	£180	£360
Total	£12,825	£18,315

Likely living costs for twelve months

	Lower range	Upper range
Food	£3,960	£6,180
Accommodation	£9,480	£11,460
Personal items	£2,400	£4,020
Social activities	£540	£1,200
Study costs	£480	£1,080
Other	£240	£480
Total	£17,100	£24,420

When planning your finances for any future years of study at Oxford beyond the 2025-26 academic year, it is suggested that you allow for potential increases in living expenses of 4% each year – although this rate may vary depending on the national economic situation.

More information about how these figures have been calculated is available at www.graduate.ox.ac.uk/livingcosts.

Document accessibility

If you require a more accessible version of this document please contact Graduate Admissions and Recruitment by email (graduate.admissions@admin.ox.ac.uk) or via the online form (<http://www.graduate.ox.ac.uk/ask/form>).