

# Statistics teaching within UK degree programmes in Medicine and allied health sciences, including through undergraduate and postgraduate entry schemes and intercalation

Note. This particular form is not for inclusion of details of statistical teaching in Masters and PhD programmes.

Institution: St. George's, university of London

Overview: Medical Statistics is taught as part of the Research & Critical Appraisal Skills module. Students are introduced to key ideas with the aim of appreciating and critically appraising the literature. Great emphasis is placed on the application of knowledge in clinical practice – in particular the patient. There are joint sessions with the Clinical Communication Skills Team.

Type of students:

Medical      X                      Dental                       Biology

Mathematics                       Other  (please state:      )

Estimated total number of students: 250 per cohort

Academic years where medical statistics is taught: Pre-clinical years

No. of estimated hours per academic year: 10

**Please add fields to the table below, where necessary, to reflect missing subjects. This can easily be achieved by right-clicking in the last row and choosing the option 'insert' to insert individual rows. You can in turn copy-paste the content from an existing row and edit the subject name to suit your purposes.**

Subject	Concept	Calculations/equations*	Descriptions/comments
Types of variable	X	<input type="checkbox"/>	
Distributions	X	<input type="checkbox"/>	
Summary Statistics	X	<input type="checkbox"/>	
Concepts of population and sample	X	<input type="checkbox"/>	

Confidence intervals	X	<input type="checkbox"/>
Hypothesis testing, p-values	X	<input type="checkbox"/>
Comparing two means	X	<input type="checkbox"/>
Comparing two proportions	X	<input type="checkbox"/>
Linear regression	<input type="checkbox"/>	<input type="checkbox"/>
Logistic regression	<input type="checkbox"/>	<input type="checkbox"/>
Graphs	X	<input type="checkbox"/>
Survival analysis	X	<input type="checkbox"/>
Multivariate analysis	X	<input type="checkbox"/>
Critical appraisal	X	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>

\*If applicable.

Assessment details: **Multiple choice exam – where students are given several results / baseline tables from real publications and the questions test their interpretation and understanding of the results**

**Short Answer Questions (SAQs); Single Best Answers (SBAs); OSCEs.**

Computer package used:

Stata     SPSS     StatsDirect     S-plus     R   
 NCSS     Matlab     Other , please state which : **NONE X**

Recommended literature : Medical Statistics at a Glance: Petrie & Sabine

*Contact - administration*

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*Contact - tutors*

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Other comments:

Information last up to date: 19/09/2019

Please return to Margaret MacDougall at [Margaret.MacDougall@ed.ac.uk](mailto:Margaret.MacDougall@ed.ac.uk)