

# 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 : Queen’s University Belfast

Overview: **Statistics is largely taught in the first year as part of a module with epidemiology, sociology and ethics. There are 8 statistics lectures and 2 statistics tutorials. The students do a group assignment in which they conduct some basic analyses on data which contributes to their final mark and are otherwise examined by MCQs.**

Type of undergraduate students:

Medical      X                      Dental                       Biology

Mathematics                       Other  (please state:                      )

Estimated total number of students: 280, per group when separated : 18

Academic years where medical statistics is taught: 1

No. 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	X	
Hypothesis testing, p-values	X	<input type="checkbox"/>	
Comparing two means	X	<input type="checkbox"/>	
Comparing two proportions	X	<input type="checkbox"/>	
Linear regression	X	<input type="checkbox"/>	
Logistic regression	X	<input type="checkbox"/>	
Graphs	X	<input type="checkbox"/>	
Survival analysis	X	<input type="checkbox"/>	
Multivariate analysis	X	<input type="checkbox"/>	
Critical appraisal	<input type="checkbox"/>	<input type="checkbox"/>	Taught eslewhere
Other (please state)	X	<input type="checkbox"/>	Sensivity\specificity\PPV\NPV
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>	
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>	

\*If applicable.

Assessment details: **Students carry out an assignment which is 10% of the module mark (NB statistics is only around 25% of the module which includes ethics, sociology and epidemiology). The rest of the marks are obtained from MCQs.**

Computer package used:

Stata     SPSS X    StatsDirect     S-plus     R   
 NCSS     Matlab     Other , please state which :

Recommended literature :

- 1) **An Introduction to Medical Statistics – Martin Bland**
- 2) **Altman Practical statistics for medical research**

*Contact - administration*

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Other comments:

Information last up to date: 01/08/2019

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