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: Cardiff University

Overview:

Undergraduate statistics teaching as part of the MBBCh (Medicinae Baccalaureus Baccalaureus Chirurgiae, i.e., Bachelor of Medicine, Bachelor of Surgery) degree at Cardiff University's School of Medicine is carried out by a number of staff (at least 5). For MBBCh, in-house mini stats course are delivered across Years 1 and 2 that takes the students through the basics of quantitative statistics.

Type of students:

Medical   X   Dental ☐   Biology ☐

Mathematics ☐   Other ☐ (please state:)

Estimated total number of students: Unknown.

Academic years where medical statistics is taught: mostly years 1 and 2; Year 3 students get an intensive EBM week that revisits some of the above topics in greater detail, and that includes additional coverage such as a brief overview of epidemiological study designs and regression methods, but not detailed statistics. Development of EBM and Numeracy for Years 4 and 5 are planned for the future - this is a future objective, content has not yet been decided

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
Population and sample, sample bias	X	Unknown	No more details known.
Numerical and visual summaries of data	X	Unknown	No more details known.
Types of distribution	X	Unknown	No more details known.
Z-test & Student's t-test	X	Unknown	No more details known.
Confidence intervals	X	Unknown	No more details known.
P-values	X	Unknown	No more details known.
ANOVA	X	Unknown	No more details known.
Odds, odds ratio, risk, risk ratio	X	Unknown	No more details known.
Sensitivity, specificity, positive predictive value, negative predictive value,	X	Unknown	No more details known.
Prevalence, incidence	X	Unknown	No more details known.
Measurement reliability	X	Unknown	No more details known.
Internal / external validity	X	Unknown	No more details known.
Quantifying threats to the NHS	X	Unknown	No more details known.
Critical appraisal	X	Unknown	No more details known.
Systematic review and meta analysis	X	Unknown	No more details known.

*If applicable.

Assessment details: Unknown.

Computer package used: Unknown.

Stata ☐   SPSS ☐   StatsDirect ☐   S-plus ☐   R ☐

NCSS ☐   Matlab ☐   Other please state which :

Recommended literature: Unknown.

Contact - administration

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Contact - tutors

Name	Department	Email	Address	Telephone Number

Other comments:

Information last up to date: 14/09/2019

Please return to Margaret MacDougall at Margaret.MacDougall@ed.ac.uk