



ROYAL COLLEGE OF PHYSICIANS OF IRELAND

Advanced Statistics

April 2010 – Dates TBC

For Whom

This programme is for those who have already attended the first 'Introduction to Research Methods, Practical Statistics, and Critical Appraisal' course. Please note that this programme is limited to 10 – 12 people and is at a first come first serve basis.

Learning Objectives

This course aims to teach the essential elements of Advanced Research Methodology, Critical Appraisal of evidence and Statistics.

Content

Multiple linear regression, Contingency table analysis, Multiple Logistic Regression, Survival analysis and non-parametric methods. When to use the methods, how to do the analysis, and how to interpret the data. The course consists of Lecture and practical session based using SPSS statistics package.

Time Table Day 1

- Revision and Introduction to course
- Practical (Basic SPSS)
- Multiple Linear Regression
- Contingency table analysis

Time Table Day 2

- Practical for multiple logistic regression
- Introduction to survival (time to event) analysis
- Practical on survival analysis
- Summarising regression methods
- Non- parametric methods
- Overview of other regression methods (Multi-level Models, correlated errors, strengths and limitations of various methods)

Learning Methods

The course is highly participative with the use of a variety of learning techniques, which includes lectures, skills & practical use of the SPSS Software.

Course Delivery

The course will begin at 9.00am each day and will finish at 5.30pm.



ROYAL COLLEGE OF PHYSICIANS OF IRELAND

Venue

Post Graduate Medical Centre of St James's Hospital, Dublin 8.

Joint Course Directors

The course is jointly organised by The Royal College of Physicians of Ireland, the Department of Pharmacology & Therapeutics, Trinity Centre, and The Centre for Advanced Clinical Therapeutics (CACT) St James's Hospital Dublin. The course organisers are Dr. Kathleen Bennett, (Statistician, Department of Pharmacology & Therapeutics) and Dr. Mary Teeling (Director CACT/ the National Medicines Information Centre NMIC).

Course Fee

Inclusive of tuition, documentation, morning coffee and afternoon tea the fee is €TBC per person. Lunch will not be provided. RCPI Collegiate Members receive a 10% discount and RCPI Fellows receive a 20% discount. **Fees are payable to the RCPI in advance of programme.**

Please note that there is **no refund** for cancellations received within 2 weeks of course commencement.

Please Note:

- It is advisable to book early on the course due to limited availability
- Full attendance on the course is necessary to receive a Certificate of Completion.
- Admission will not be granted to latecomers

CME

This programme is accredited for 12 CME Credits



Advanced Statistics Programme

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SURNAME: _____ FIRST NAME: _____

TITLE/SPECIALTY: _____

GRADE: CONSULTANT SPR REGISTRAR OTHER

HOSPITAL: _____

HOME ADDRESS: _____

RCPI EMAIL (if applicable): _____ RCPI ID (if applicable) _____

MOBILE NO: _____ PHONE: _____

Dietary Requirements

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- Course Fee (Non Members & Members) €1000
Course Fee Collegiate Member of RCPI (10% Discount) €900
Course Fee Fellow of RCPI (20% Discount) €800

CHEQUE/BANK DRAFT MADE OUT TO THE ROYAL COLLEGE OF PHYSICIANS OF IRELAND OR

VISA MASTERCARD

Four groups of four empty boxes for card details

EXPIRES END OF: /

CARDHOLDER'S NAME: _____

SIGNATURE: _____ DATE: _____

The College is unable to process credit card details for anyone other than the applicant

Please send this registration form with fee to: The Educational Development Department, Royal College of Physicians of Ireland, Frederick House, 19 South Frederick Street, Dublin 2. Phone: (01) 863 9700 Fax (01) 672 4707