



**6<sup>th</sup> – 7<sup>th</sup> March 2018**  
Crowne Plaza Hotel  
Heathrow, UK

**A PSI Training Course on**  
**Missing Data**

**Presented by**  
**Michael O’Kelly**

The aim of this course is to provide participants with an understanding of missing data, its link with what is to be estimated in a study (the “estimand”), and statistical modelling approaches. The 2 day course includes workshops: participants will undertake a number of practical exercises on missing data in SAS. The course will provide participants the opportunity to gain insight into some of the more useful new methodologies for missing data, with a view to being at the service of the real scientific question of interest. Multiple imputation (MI) will be emphasised – due to this method’s flexibility.

Attendees will require a laptop with access to SAS.

**The following topics will be covered:**

- History of research into missing data
- Prevention of missing data and impact on study power
- Missing data and its relation to the estimand
- Estimands and their models
- Multiple imputation I: models for missing data
- Weighting I: weighting for missing data
- Multiple imputation II: methods for non-continuous endpoints
- Weighting II: augmenting weighted data with model estimates
- Composite endpoints
- Case studies

Course runs from: **10:00 – 17:00 (registration from 09:00) on Day 1 and 09:00 – 16:00 on Day 2.**

**Registration**

Please register online at [www.psiweb.org](http://www.psiweb.org) and click on Events; payment now available online.

**Registration costs (includes lunch and refreshments)**

***PSI are holding a limited number of hotel rooms until the 31st January 2018 which will be allocated on a first come first served basis***

**Registration BEFORE 31<sup>st</sup> January 2018**

PSI Members: £495 plus VAT

Non-members: £590 plus VAT (includes free PSI membership)

**Registration AFTER 31<sup>st</sup> January 2018**

PSI Members: £595 plus VAT

Non-members: £690 plus VAT (includes free PSI membership)

PSI aims to be fully inclusive and endeavours to accommodate delegates with disabilities wherever possible. Please help us to help you by letting us know if you require additional facilities or have any special requirements. Please contact us on +44 (0)845 180349 or at [PSI@mci-group.com](mailto:PSI@mci-group.com) for further information.

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