

Newsletter



Issue 15: November 2017

Out of Hospital Cardiac Arrest Outcomes

2016 Epidemiology and Data Quality Reports

The OHCAO team would like to say a big thank you to all the Ambulance Services for their continued support in submitting OHCAO data for 2016.

We will start working on the Epidemiology and Data Quality Reports for 2016 shortly. We have taken all your feedback into account and this year you can expect even more changes towards a more visual report, which will include many nice graphs and pictures. Now that we have collected data for a few years, we may even be able to show some trends. We are looking forward to your thoughts!

We have already started to receive 2017 data from some Ambulance Services. Many thanks for this and please keep importing!

Restart A Heart Day – with Dr Claire Hawkes on BBC Radio Coventry and Warwickshire

The Resuscitation Council (UK) and British Heart Foundation organised the Restart a Heart Day 2017 and of course OHCAO was unable to stay away. We supplied the BHF with our latest data on the importance of bystander CPR and our Senior Research Fellow Dr Clair Hawkes spoke to BBC Radio Coventry and Warwickshire about our findings so far.

If you would like to listen to Claire on the radio, please follow this link to the Phil Upton show on Monday, 16th October. The interview with Claire is at the end of the show:

<http://www.bbc.co.uk/programmes/p05hlgfg>



Update - Current research using the OHCAO registry

1: Evaluating the associations between CPR campaigns and outcomes

Along with collaborators from LAS, SCAS, WMAS, EMAS and SWAS, we are examining bystander CPR trends across the country to explore if there is a relationship between the distribution and activity of the various campaigns. We are also using the OHCAO registry to identify neighbourhood characteristics associated with a high incidence of cardiac arrest and low uptake of bystander CPR in order to identify areas for future targeted community campaigns. A paper reporting the findings from this study is currently being written and will be submitted for publication in the coming months.

2: Attitudes to CPR Survey

In May we conducted a YouGov survey to look at numbers of members of the general public who are trained in CPR and PAD use and their levels of confidence in performing CPR and using PADs. A paper reporting the results of the survey will shortly be submitted for publication



3: Data Linkage with HSCIC

The paper reporting the feasibility of linking OHCAO data to ONS mortality data to improve data quality and establish accurate 30-day survival rates has been accepted for publication in the *BMJ Open*.

4: 2013/14 Case mix adjustment modelling paper

The paper reporting the development & validation of risk prediction models for ROSC at hospital transfer and survival to hospital discharge using the 2013/2014 data has been submitted for publication.

EuReCa Two

On October 1st EuReCa Two officially started.

The registry was established to allow international analysis of resuscitation treatments in different emergency service

systems of different countries. EuReCa aims to combine both a platform for existing registries to collaborate, and also to offer countries which do not yet have their own registries access to the scientific opportunities.

We are looking forward to its success!



ERC Congress 2017 - 28, 29 & 30 September 2017

In September a delegation from the OHCAO team and members of the Ambulance Services who were funded by the OHCAO bursary attended the ERC Congress in Freiburg, Germany. We were very pleased to meet you there and, despite the transport difficulties many of us faced, thoroughly enjoyed our time there.



Scott Booth gave a presentation on the Data Linkage study that is described above. Linked here:

[http://www.resuscitationjournal.com/article/S0300-9572\(17\)30423-9/pdf](http://www.resuscitationjournal.com/article/S0300-9572(17)30423-9/pdf)

Dr Claire Hawkes presented a paper on the results of a survey of 2084 UK adults about their attitudes to performing CPR or defibrillation and whether they had ever trained in resuscitation techniques. Linked here:

[http://www.resuscitationjournal.com/article/S0300-9572\(17\)30428-8/pdf](http://www.resuscitationjournal.com/article/S0300-9572(17)30428-8/pdf)

Dr Terry Brown gave two poster presentations on bystander CPR analysis (described above). Linked here:

[http://www.resuscitationjournal.com/article/S0300-9572\(17\)30496-3/pdf](http://www.resuscitationjournal.com/article/S0300-9572(17)30496-3/pdf)

[http://www.resuscitationjournal.com/article/S0300-9572\(17\)30492-6/pdf](http://www.resuscitationjournal.com/article/S0300-9572(17)30492-6/pdf)

Sam Brace-McDonnell talked about "Investigating the optimal method of case ascertainment in Out of Hospital Cardiac Arrest (OHCA) in UK Ambulance Services". Key message is that computerised methods of searching ambulance service computer systems is less sensitive and specific than manual sifting when retrospectively identifying patients within the context of a clinical trial. Linked here:

[http://www.resuscitationjournal.com/article/S0300-9572\(17\)30394-5/pdf](http://www.resuscitationjournal.com/article/S0300-9572(17)30394-5/pdf)

Wales Out of Hospital Cardiac Arrest Plan

The Welsh Out of Hospital Cardiac Arrest Plan was published in June 2017. It outlines key actions to improve a chances of survival for cardiac arrest patients and links to the OHCAO registry. To read the full plan, please visit this link: <http://www.wales.nhs.uk/news/45295>

Changes to site teams?

If any of the clinical audit team who work on the OHCAO project, the Medical Director or other staff member who is acting as the project's Principal Investigator leave their post for pastures new, can you please remember to inform the OHCAO team. This will allow us to update the site files and delegation forms, as well as the appropriate approvals and protocol amendments; secure web site access and email contact lists.

Please contact the OHCAO project team at Warwick Clinical Trials Unit on email OHCAO@warwick.ac.uk