

# Newsletter



Issue 14: April 2017

## Out of Hospital Cardiac Arrest Outcomes

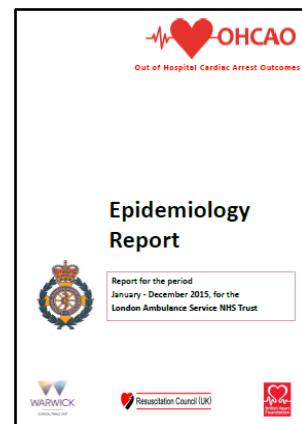
### 2015 Epidemiology and Data Quality Reports - Your feedback

The OHCAO team hope you have enjoyed reading your service's Epidemiology and Data Quality Reports for 2015.

Reports were created for the 10 collaborating Ambulance Services:

East of England (EEAS), East Midlands (EMAS), London (LAS), North East (NEAS), North West (NWS), South Central (SCAS), South East Coast (SECAS), South Western (SWAS), West Midlands (WMAS) and Yorkshire (YAS).

Please let the OHCAO team know your thoughts and opinions on both reports so we can continue to improve their usefulness, quality and user friendliness for the 2016 reports and beyond.



### 2016 Data Imports Update

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.

As of 11th April 2017, we have a total of 17,586 imported cases from 9 Ambulance Services.

Please keep up the good work! We are aiming to complete data collection for 2016 by September 2017 in order that your 2016 Epidemiology and Data quality reports can be circulated by the end of 2017.

### Resuscitation to Recovery – March 2017

Resuscitation to Recovery – A National Framework to Improve Care of People with Out-of-Hospital Cardiac Arrest (OHCA) in England report was published on the 6<sup>th</sup> March 2016. The report highlights the importance of OHCAO registry.

*“Data should be submitted to the national Out-of-Hospital Cardiac Arrest Outcomes Registry so that performance and progress towards improved survival rates can be monitored and unwarranted variation can be addressed; appropriate local resources must be allocated for these audit purposes”.*



[http://www2.warwick.ac.uk/fac/med/research/hscience/ctu/trials/ohcao/final\\_resuscitation\\_to\\_recovery\\_a\\_national\\_framework\\_to\\_improve\\_care\\_of\\_people\\_with\\_out-of-hospital\\_cardiac\\_arrest\\_in\\_england\\_march\\_2017.pdf](http://www2.warwick.ac.uk/fac/med/research/hscience/ctu/trials/ohcao/final_resuscitation_to_recovery_a_national_framework_to_improve_care_of_people_with_out-of-hospital_cardiac_arrest_in_england_march_2017.pdf)

### 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.

## 2: Attitudes to CPR Survey

We are currently finalising implementation of 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.

## 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 **will soon be submitted for publication**.



## 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 **will soon be submitted for publication**.

## 5: Age-sex distribution in OHCAO registry

OHCAO Collaborator Dr James Mapstone (Public Health England) is working with the OHCAO team to analyse the age-sex distribution of the cases in the registry to see to what extent the distribution reflects the different age structures of men and women in the UK

## 6: Collaboration with Prehospital Critical Care for Out of Hospital Cardiac Arrest study

Dr Johannes von Vopelius-Feldt from the University Hospitals Bristol NHS Foundation Trust is using data from the OHCAO database along with data from Critical Care Teams in SWAS, NEAS, WMAS and SECAS, to look at the effect of Critical Care Teams on survival from out of hospital cardiac arrest when compared to advanced life support (ALS).

## 7: Collaboration with Incidents, Outcomes and Predictors of Out of Hospital Cardiac Arrest (OHCA) at International Airports

Ms Siobhan Masterson from the National University of Ireland, Galway is using data from the OHCAO database to look at the Incidence, Outcomes and Predictors of Out of Hospital Cardiac Arrest (OHCA) at International Airports. **Approved by Academic Committee in December 2016.**

## 8: Collaboration with Prehospital Assessment of the Role of Adrenaline: Measuring the Effectiveness of Drug administration In Cardiac arrest (PARAMEDIC2)

Professor Gavin Perkins from the University of Warwick is collecting supplementary data from the OHCAO database to link to the PARAMEDIC2 trial. **Approved by Academic Committee in December 2016.**

**We will provide updates on the above throughout 2017!**

## **AACE Ambulance Leadership Forum**

Professor Perkins attended the Association of Ambulance Chief Executives (AACE) Ambulance Leadership Forum on 7<sup>th</sup>/8<sup>th</sup> February and gave a presentation which included an update on the OHCAO project, and which was well received.

## **AED Event Reporting via OHACO website closing**

The AED Event Page on the OHCAO website will be closing at the end of March 2017. There is no longer a need to collect AED data in this way.

## **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](mailto:OHCAO@warwick.ac.uk)**