

Partnership with Communities

- Yorkshire-wide Fire Service Emergency First Responder (EFR) schemes
- Over 1000 Community First Responders and volunteer car drivers
- 350 community Public Access Defibrillators (cPADs) across Yorkshire
- Over 31,000 children trained in hands-only CPR via our Restart a Heart campaign
- Commitment to ensuring our services are representative of the communities we serve
- Working in partnership with Healthwatch representatives



CRT Performance Contribution April 2015 – March 2016

The following Report reflects data analysis between the periods of April 2015 and March 2016. This data includes all aspects of engagement through CRT, and will identify our Partnership links with other volunteer support services such as Mountain Rescue, Lifeguards, and of course the contribution of our CFR, EFR & Statics site providers.

In this report we have captured information relating to both Red 1 – Red 2 data. We have also captured data which represents CFR activity against inappropriate code activation, with respect to this particular data been provided, mitigation of including this data clearly has benefits to Patient care and Patient outcomes, the rationale for this contribution essentially occurs when the CFR, EFR resource attends an appropriate call, then arrives on scene however the detail is potentially downgraded through further information received by the EMD.

CFR Activity only across each CBU April 2015 – March 2016

CBU	Total Incidents Attended	Total Incidents attended with 8 minute standard	Cardiac Arrests attended	Overall performance contribution	Actual performance contribution
ABL	4,040	1,207	163	1.3%	1.1%%
CKW	2,578	771	141	1.4%	1.2%
East Yorkshire & Humber	4,867	2,660	202	6.6%	6.1%
North Yorkshire	2,747	1,146	139	2.8%	2.5%
South Yorkshire	4,002	1,406	174	1.6%	1.4%
Total	18,234	7,190	819	2.3%	2.0%

From a static site perspective we have developed in line with the KA34 standards and remain compliant in our reporting. The information below reflects the efforts and benefits our static site programme can contribute to performance; this will also contribute potentially to improving our patient outcomes.

Static Site Data only

CBU	Total Incidents allocated	Total Incidents attended with 8 minute standard	Cardiac Arrests	Overall performance contribution	Actual performance contribution
ABL	4,924	4,681	25	5.2%	3.8%%
CKW	2,367	2,258	8	4.0%	2.9%
East Yorkshire & Humber	2,522	2,369	10	5.9%	4.3%
North Yorkshire	2,215	2,053	19	5.0%	3.5%
South Yorkshire	3,601	3,428	20	3.9%	2.8%
Total	15,629	14,789	82	4.7.%	3.4%

CPAD achievements

At the end of March 2015 we had 212 Community Public Access Devices (CPADS) on CAD. The figures below represent their locations at that time.

ABL = 44
CKW = 6
East Yorkshire & Humber = 54
North Yorkshire = 93
South Yorkshire = 15

In March 2016 these figures have increase to;

ABL = 102 an increase of 58
CKW = 34 an increase of 28
East Yorkshire & Humber = 109 an increase of 55
North Yorkshire = 202 an increase of 109
South Yorkshire = 34 an increase of 19

Giving a total number of CPADS = 481 thus increasing existing CPADS over the period by 269 exceeding 100% increase in this provision. Furthermore the cost implications to YAS were £0:00.

Over the same period two CPADS were allocated to incidents which resulted in both ROSC and S2D.

Recruitment of CFR's & Co Responders

Please see the table below which outlines our annual recruitment of the above resources.

Year	CFR	Co Responder	Total
2007	44	7	51
2008	144	47	191
2009	295	17	312
2010	979	97	1076
2011	1009	88	1097
2012	1037	46	1083
2013	1049	36	1085
2014	924	48	972
2015	949	90	1039
2016	1054	161	1215

Recruitment and retention is a critical requirement to sustain our volunteer workforce, we were able to recruit 27 new schemes across Yorkshire in 2015. Next year will see a continuation of a sustainable model which may not swell the numbers of volunteers; however this may increase the number of schemes as plans are in place for 7 new schemes. Further work will look at enabling and improvement in quality, availability & effectiveness.

FIRE SERVICE DATA

CBU	Total Incidents allocated	Total Incidents attended with 8 minute standard	Cardiac Arrests	Overall performance contribution	Actual performance contribution
North	95	19	Total arrests attended collectively = 154	Total collective 0.5%	Total collective 0.5%
South	328	157			
HFRS	4,383	2,157			
West	72	30			

Fire resources arrived first on scene on 2180 occasions, of which 1707 were within an 8 minute response, achieving 78.30%

Mountain Rescue Services

Our Mountain rescue data is now embedded within the report this now captures all activity against any of the relevant MR teams across YAS. Significantly in 2015 there have been 136 activations and allocations of the relevant MR call signs, these activation's represent incidents of all types including Red or Green codes. If we break this down further 40 incidents attended were Red calls, 9 of those calls were within 8 minutes with 7 first on scene. This resource attended 2 cardiac arrests

Lifeguards

This resource attended 19 incidents in total of which 11 were red calls. 8 calls attended they were FOS with 7 of those calls within 8 minutes.

Total incidents & cardiac arrests attended by the Trust in comparison to the previous year

There were 693,873 attended incidents with 315,321 calls red codes = 45.44%. In comparison the previous year there were 695,907 incidents attended so a slight decrease in activity. However the total numbers of Red calls were 297,719 so another reduction of just over 18,000 calls on the previous year. This is the first time in a number of years we have seen a reduction of both activity figures.

Cardiac arrests attended by the trust 2015 - 2016 were 8,745 based on the previous year 8,248 so an increase of 497 cardiac arrests in 2015 – 2016

CRT & CFR total incidents & cardiac arrests attended by the Trust in comparison to the previous year

In total CRT collectively were recorded as attending 26,529 incidents 2014 – 2015. Year-end figures for CRT in 2015 – 2016 are 34,475 an increase of 7,946 incidents.

CFR attendances in 2014 – 2015 were recorded at 12,311 in comparison 2015 – 2016 saw CFR attendances at 18,261 an increase of 5,950 incidents, this equates to a 67.41% increase in attendances.

Clinical Audit

As we shift our attentions towards the Alternative Response Programme (ARP) it is imperative we look at clinical interventions and how CFR's & EFR's can impact on improving Patient outcomes. Please see the details below which illustrate how our colleagues in Clinical audit are now starting to capture and report our contribution to AQL's

Bystander Intervention

A number of initiatives have been developed and delivered that have aimed to increase bystander intervention when a person suffers a cardiac arrest. By teaching members of the public life saving techniques in the form of basic life support it is hoped that a greater number of people can survive an out of hospital cardiac arrest.

Between April 1st 2014 and March 31st 2015 999 cardiac arrests were witnessed by a bystander (33.64%), and 431 were witnessed by a health care professional (14.51 %), equating to 1430 cardiac arrests being witnessed (48.15% witnessed and 51.85% (N = 1540) not witnessed). On 1473 occasions, a bystander performed CPR (49.60%). Furthermore, a defibrillator was used by someone other than YAS on 56 occasions.

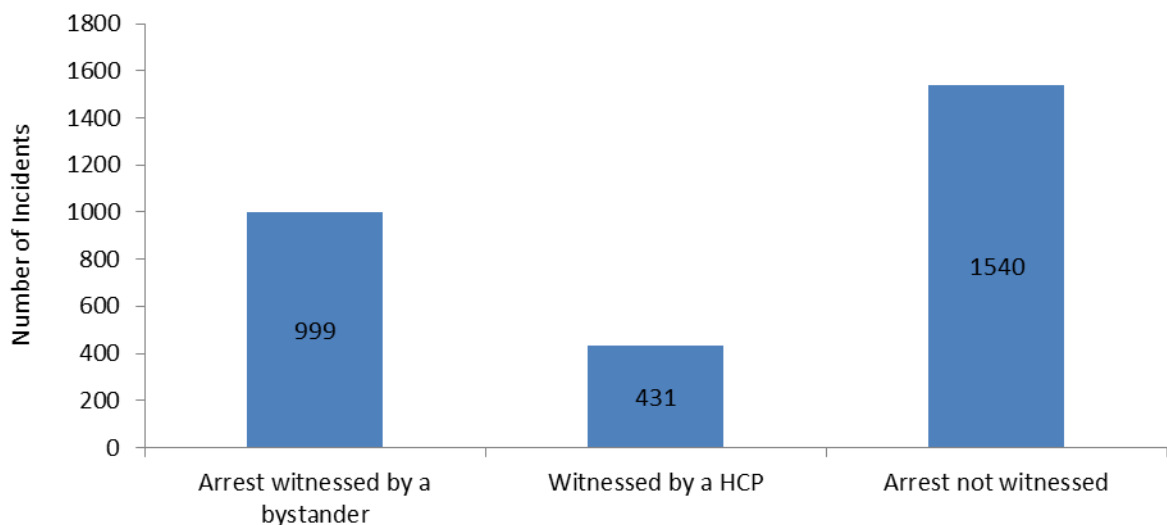


Figure 1 Number of arrests witnessed by bystanders, health care professionals and not witnessed.

Crew Qualification

86.86% of the time a paramedic was first on scene, with an EMT advanced trained being first on scene in 16.74% of incidents.

Next, a community responder was first on scene on 80 occasions (of a total number of 221 cardiac arrest attendances where resuscitation was attempted). All other crew qualifications were first on scene less than 1% of the time (total number of incidents included in the analysis = 2412, unknown = 558). In 98.58% of incidents ($N = 2504$, Unknown = 423), a paramedic attended the incident.

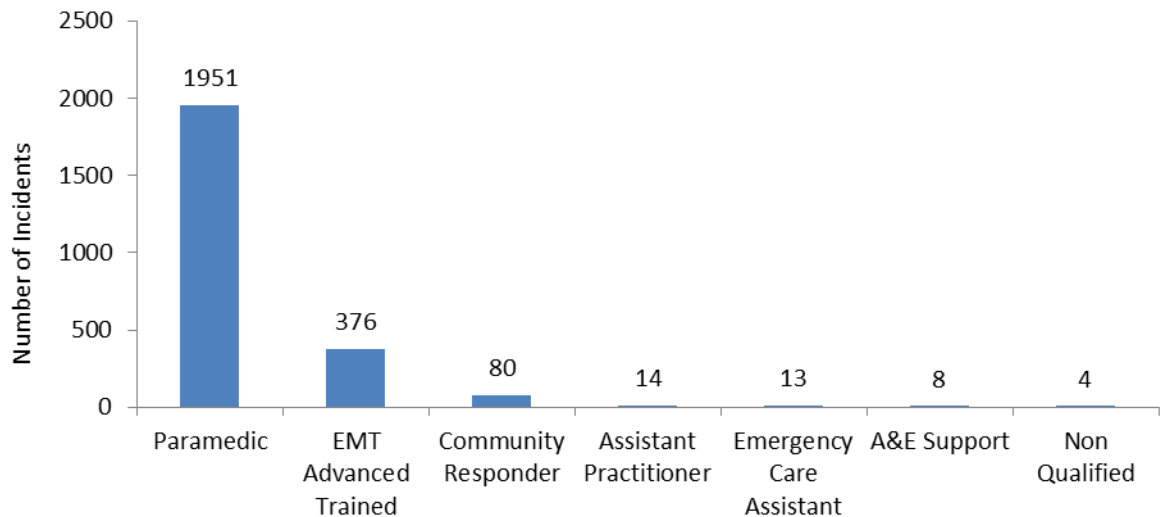
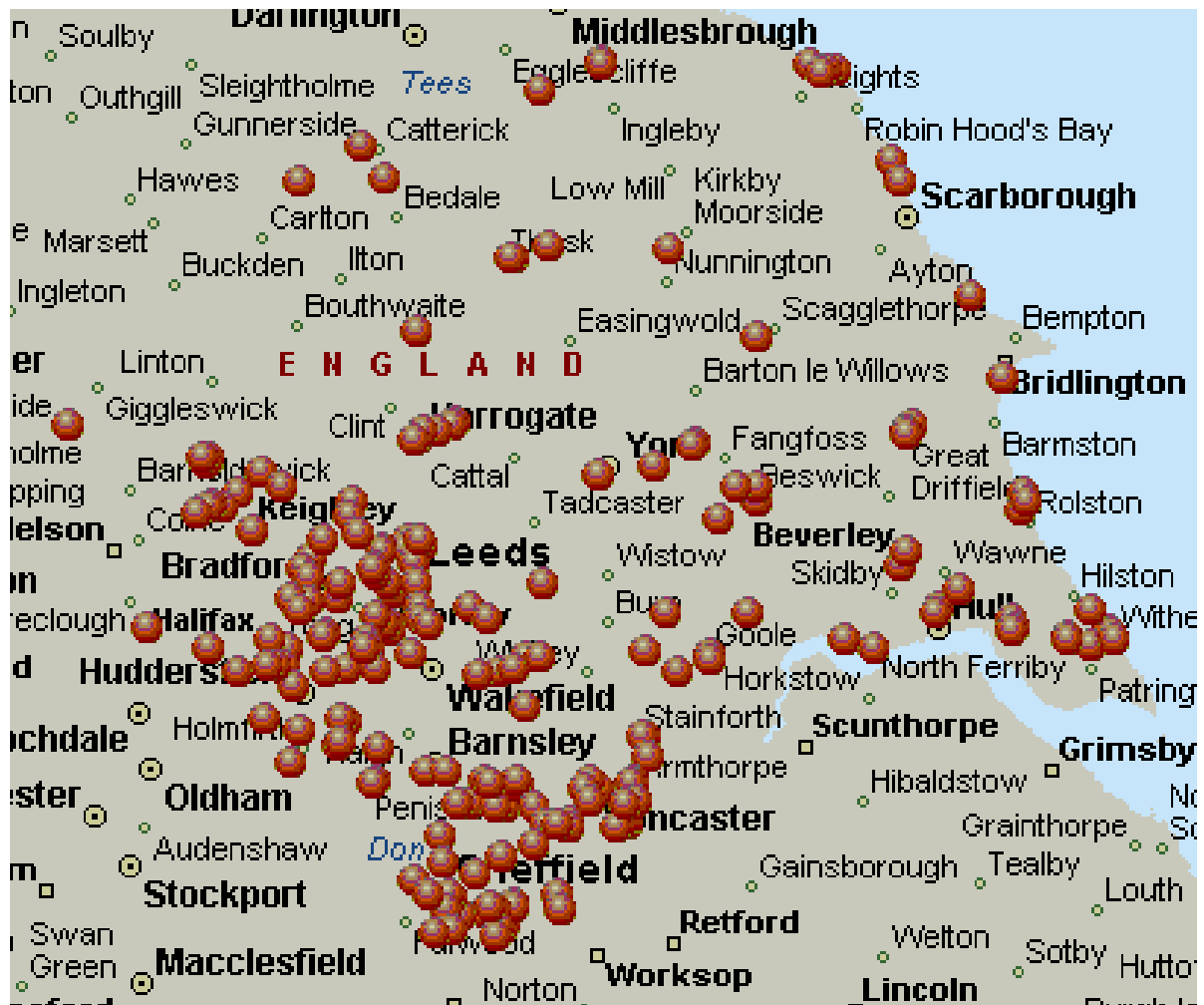


Figure 2. Crew qualification of staff member or volunteer who was first on scene

Community First Responders

Mapping of post code locations of resuscitation attempts attended by community first responders were computed using Microsoft Map Point Software. Figure 3, presents the locations of community first responder activity.



Summary

In 2013 the department's contribution to performance was 1.5%. The objective was to achieve 5% actual performance contribution by March 2016. The end of year report shows CFR actual performance contribution of 2.0% with a CFR only overall contribution of 2.3%

Our Static & CPAD initiatives have enabled a 3.4% actual contribution to performance with a 4.7% overall contribution.

Our combined CRT end of year report provided us with a 5.4% Actual contribution and a 7.0% overall performance contribution which has enabled the department to meet this key objective.