

National Cardiac Arrest Audit Public Report 2022–23

Summary Statistics



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About the Intensive Care National Audit & Research Centre (ICNARC)

ICNARC is an independent, scientific, not-for-profit organisation, established in 1994. Our vision is that all critically ill people receive appropriate, timely and optimal care and achieve best outcomes.

Our mission is to improve the quality of critical care through audit, research and data services conducted with, and in the interests of, patients and those who care for them.

The National Cardiac Arrest Audit (NCAA), run in collaboration with Resuscitation Council UK (RCUK), is one of four national clinical audits operated by ICNARC, including the Case Mix Programme (CMP) on adult critical care.

The National Cardiac Arrest Audit (NCAA)

The National Cardiac Arrest Audit (NCAA), launched in 2009, is the national clinical audit of in-hospital cardiac arrests in the UK, and is a collaboration between the RCUK and ICNARC.

Hospitals participating in NCAA submit data for “Any resuscitation event, commencing in-hospital, where an individual (excluding neonates) receives chest compression(s) and/or defibrillation and is attended by the hospital-based resuscitation team (or equivalent) in response to a 2222 call.” This is referred to as a “team visit”.

The NCAA Team works with hospitals to ensure the entry of timely and accurate data, which are used to provide quarterly, cumulative analysis reports to support local performance management and quality improvement.

The aims of the audit are to:

- improve patient outcomes after in-hospital cardiac arrest;
- decrease incidence of avoidable cardiac arrests;
- decrease incidence of inappropriate resuscitation; and
- promote adoption and compliance with evidence-based practice.

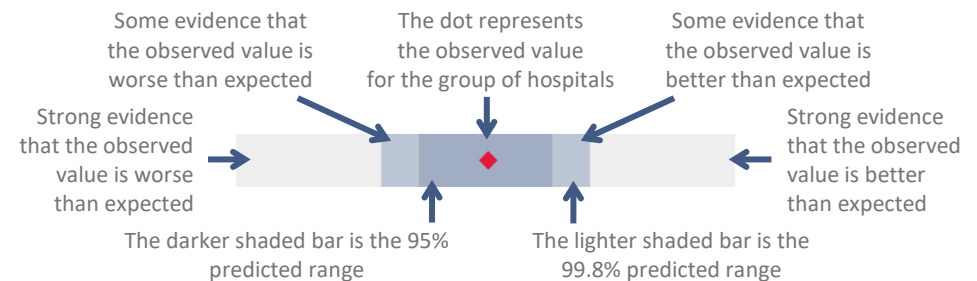
About the Resuscitation Council UK (RCUK)

RCUK is the national expert in resuscitation, saving lives by developing guidelines, influencing policy, delivering courses and supporting cutting-edge research. Through education, training and research, RCUK is working towards the day when everyone in the country has the skills they need to save a life.

Formed in 1983, RCUK is committed to ensuring that survival rates for in- and out-of-hospital cardiac arrest improve, doing this by driving CPR education, and encouraging everyone, from healthcare workers to the general public, to learn life-saving resuscitation skills.

Presentation of statistics

Results presented in this report include rates of cardiac arrest, return of spontaneous circulation for at least 20 minutes (ROSC >20 min), and survival to hospital discharge, by hospital type ([acute general hospitals vs cardiothoracic hospitals](#)). Rates are presented with confidence intervals reflecting uncertainty surrounding the observed rate and show the range within which it is most likely that the true rate for the hospital lies. ROSC >20 min and survival to hospital discharge are presented with predicted ranges that are “risk-adjusted” using the [NCAA₂₀₂₃ Risk Models](#) to also account for differences in patient and arrest characteristics between hospitals. Confidence intervals and predicted ranges are presented graphically. While observed results will always lie in the middle of a confidence interval, we expect observed results to lie within a 95% predicted range 19 times out of 20 and within a 99.8% predicted range 998 times out of 1000. Predicted ranges can be interpreted as follows:



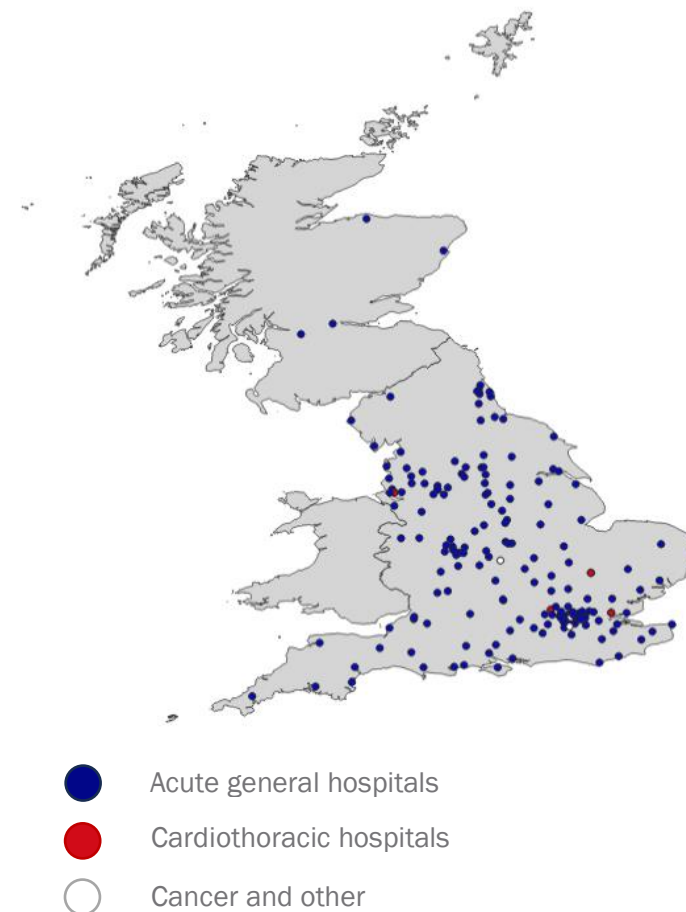
Participation in the National Cardiac Arrest Audit

Between 1 April 2022 and 31 March 2023, there were a total of 184 hospitals in the UK participating in the National Cardiac Arrest Audit. The breakdown of hospitals and team visits by hospital type is shown below:

NHS hospitals	Number of participating hospitals	Total number of admissions to hospital	Total number of reported in-hospital cardiac arrests	Total number of individuals
Acute general hospitals	175	13,387,694	13,301	12,801
<i>East of England</i>	17	1,570,011	1622	1571
<i>London</i>	30	2,072,194	2268	2151
<i>Midlands</i>	31	2,453,972	2689	2576
<i>North East and Yorkshire</i>	31	2,213,977	2166	2091
<i>North West</i>	21	1,598,334	1179	1143
<i>South East</i>	23	1,742,138	1969	1896
<i>South West</i>	18	1,569,680	1179	1147
<i>Scotland</i>	4	167,388	229	226
Cardiothoracic hospitals	6	128,272	699	608
Cancer and other*	3	88,434	19	17
Overall	184	13,604,400	14,019	13,426

*For the purpose of this report, cancer and other hospitals are not reported separately due to small numbers, but are included in overall figures.

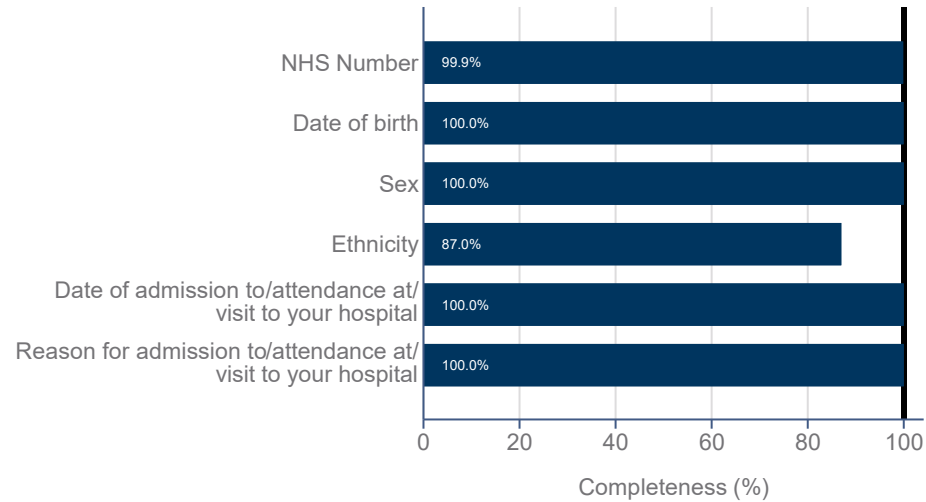
Note: Number of hospitals participating in NCAA includes those submitting data for all or part of the specified period



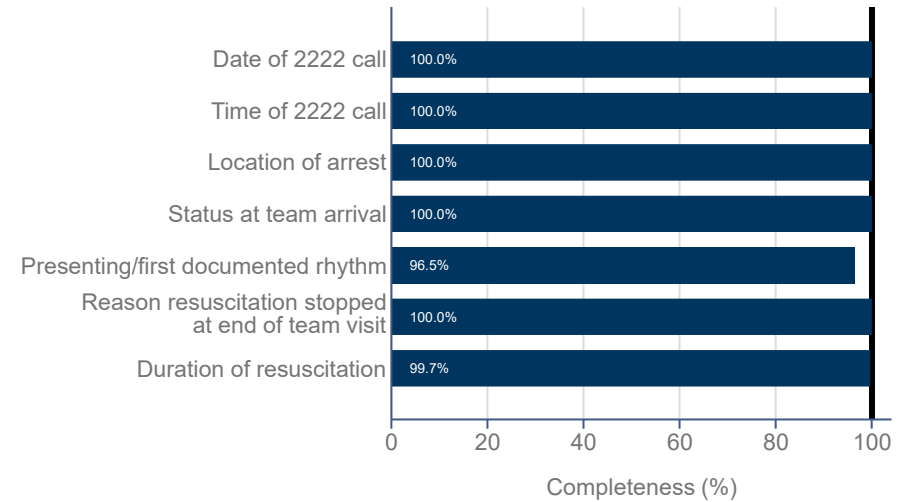


Data completeness

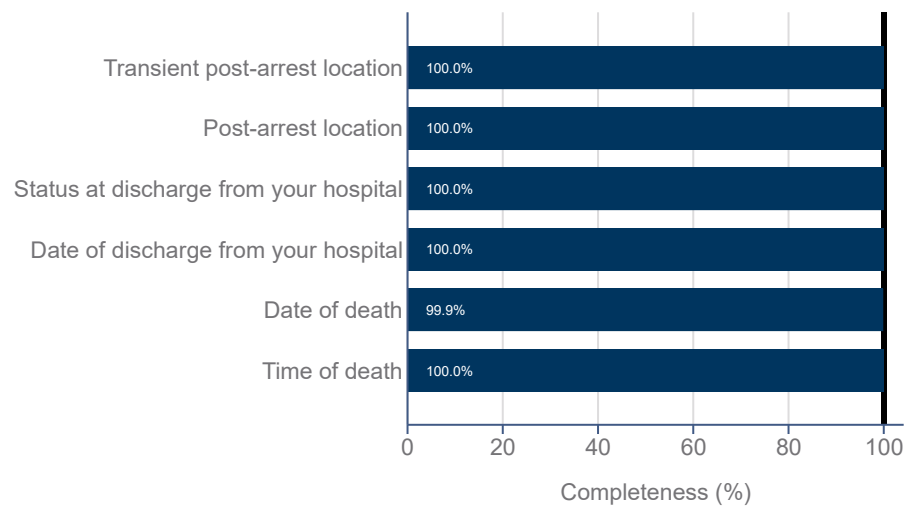
Patient details



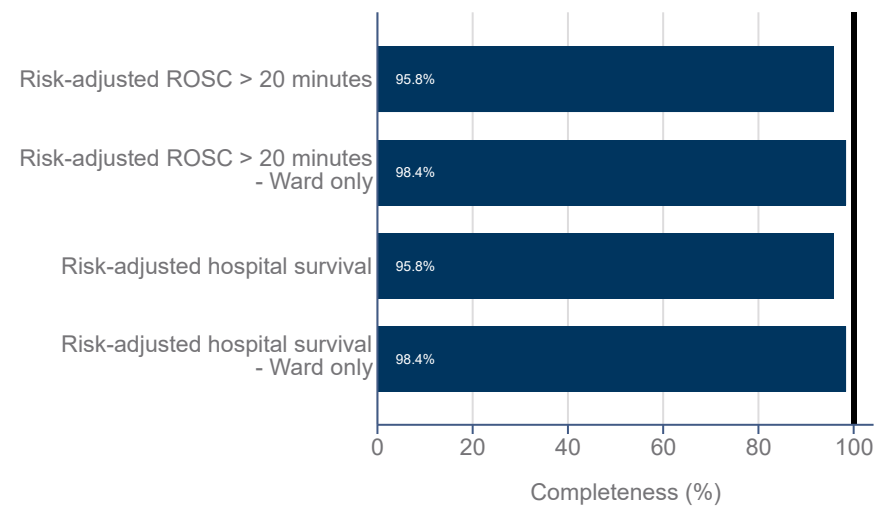
Team visit details



Patient outcomes

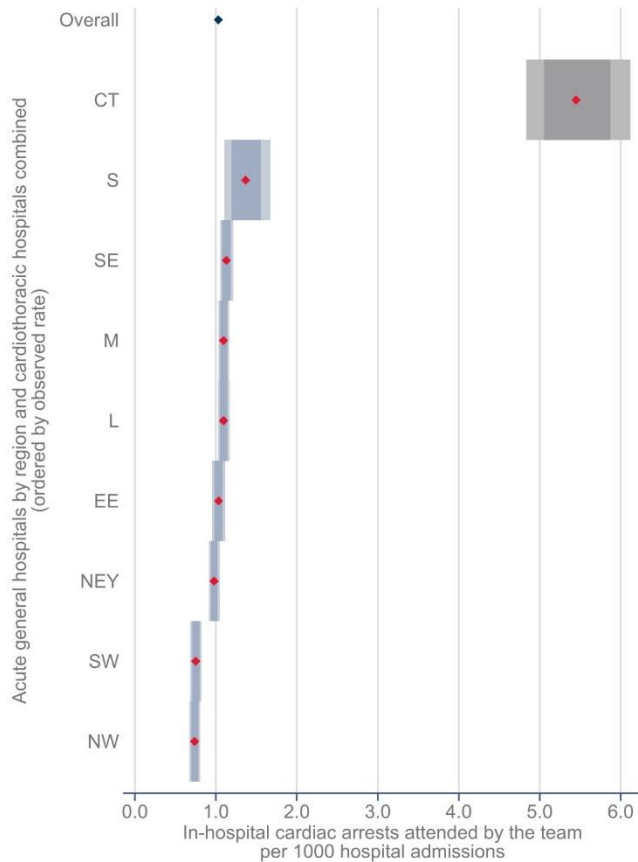


Risk-adjusted outcomes





Rate of cardiac arrests per 1000 hospital admissions

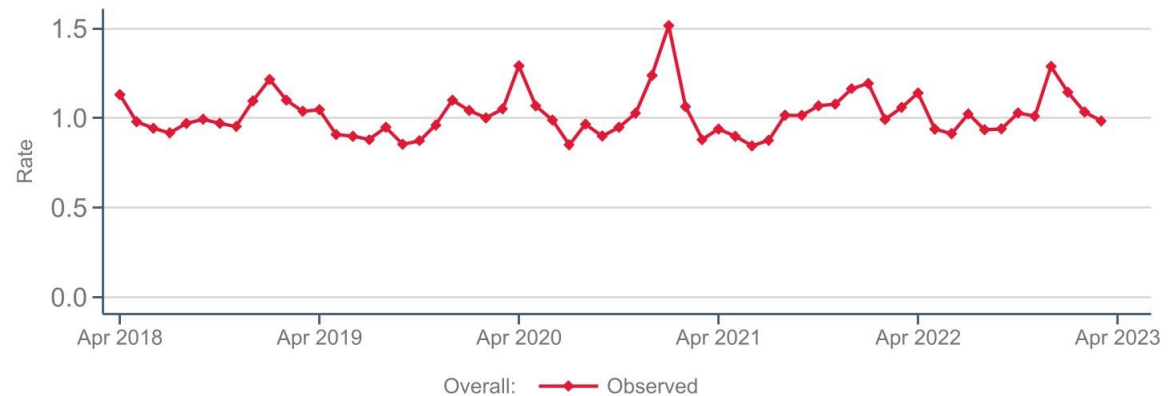


Definition

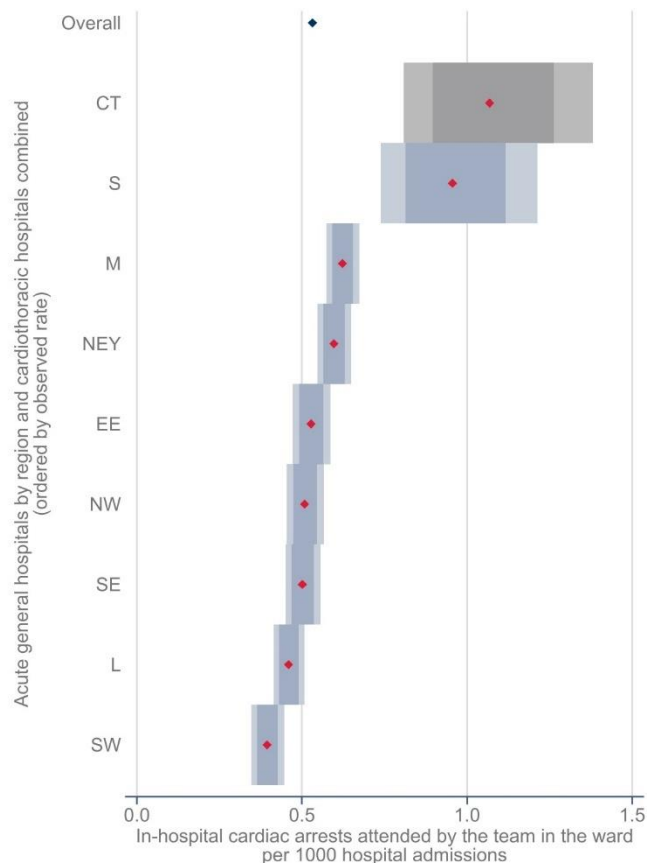
- **Hospital admissions:** Total number of admissions to hospital as reported by NCAA hospitals
- **Eligible team visits:** All reported in-hospital cardiac arrests meeting NCAA scope
- **Rate per 1000 hospital admissions:** Eligible team visits divided by hospital admissions x 1000
- **Confidence interval:** Reflects uncertainty around the observed rate, given the total number of hospital admissions

Note: Cardiac arrest rates are not risk-adjusted and will be affected by the types of patients admitted to a particular hospital (case mix). They are therefore not directly comparable between different hospitals.

Hospital type & region		Hospital admissions	Eligible team visits	Rate per 1000 hospital admissions	95% confidence interval	99.8% confidence interval
Acute general hospitals		13,387,694	13,301	0.99	(0.98,1.01)	(0.97,1.02)
East of England	EE	1,570,011	1622	1.03	(0.98,1.08)	(0.96,1.11)
London	L	2,072,194	2268	1.09	(1.05,1.14)	(1.02,1.17)
Midlands	M	2,453,972	2689	1.10	(1.05,1.14)	(1.03,1.16)
North East and Yorkshire	NEY	2,213,977	2166	0.98	(0.94,1.02)	(0.91,1.05)
North West	NW	1,598,334	1179	0.74	(0.70,0.78)	(0.67,0.81)
South East	SE	1,742,138	1969	1.13	(1.08,1.18)	(1.05,1.21)
South West	SW	1,569,680	1179	0.75	(0.71,0.80)	(0.69,0.82)
Scotland	S	167,388	229	1.37	(1.20,1.56)	(1.11,1.67)
Cardiothoracic CT		128,272	699	5.45	(5.05,5.87)	(4.83,6.12)
Overall		13,604,400	14,019	1.03	(1.01,1.05)	(1.00,1.06)



Rate of cardiac arrests in the ward per 1000 hospital admissions

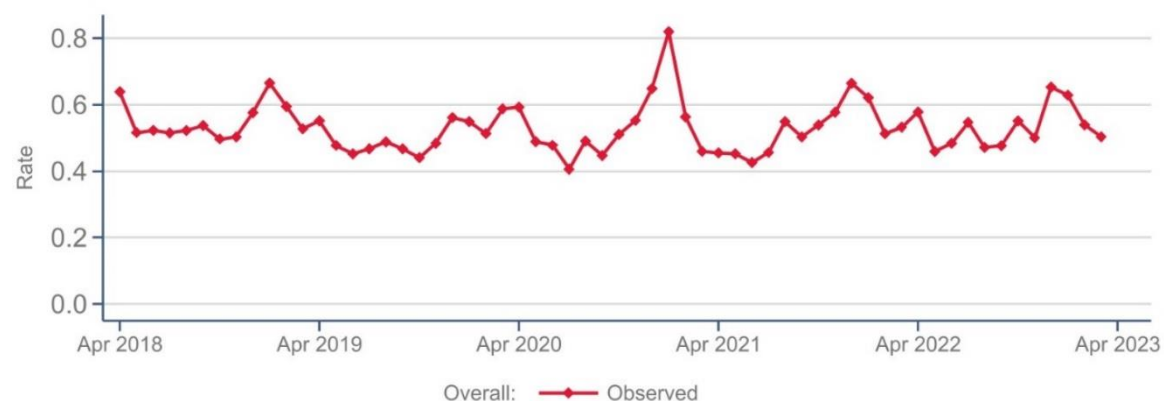


Hospital type & region		Hospital admissions	Eligible team visits	Rate per 1000 hospital admissions	95% confidence interval	99.8% confidence interval
Acute general hospitals		13,387,694	7093	0.53	(0.52,0.54)	(0.51,0.55)
East of England	EE	1,570,011	828	0.53	(0.49,0.56)	(0.47,0.59)
London	L	2,072,194	952	0.46	(0.43,0.49)	(0.41,0.51)
Midlands	M	2,453,972	1528	0.62	(0.59,0.65)	(0.57,0.67)
North East and Yorkshire	NEY	2,213,977	1321	0.60	(0.56,0.63)	(0.55,0.65)
North West	NW	1,598,334	812	0.51	(0.47,0.54)	(0.45,0.57)
South East	SE	1,742,138	873	0.50	(0.47,0.54)	(0.45,0.56)
South West	SW	1,569,680	619	0.39	(0.36,0.43)	(0.35,0.45)
Scotland	S	167,388	160	0.96	(0.81,1.12)	(0.74,1.21)
Cardiothoracic	CT	128,272	137	1.07	(0.90,1.26)	(0.81,1.38)
Overall		13,604,400	7236	0.53	(0.52,0.54)	(0.51,0.55)

Definition

- **Hospital admissions:** Total number of admissions to hospital as report by NCAA hospitals
- **Eligible team visits:** All reported in-hospital cardiac arrests in a ward meeting NCAA scope
- **Rate per 1000 hospital admissions:** Eligible team visits divided by hospital admissions x 1000
- **Confidence interval:** Reflects uncertainty around the observed rate, given the total number of hospital admissions

Note: Cardiac arrest rates are not risk-adjusted and will be affected by the types of patients admitted to a particular hospital (case mix). They are therefore not directly comparable between different hospitals.



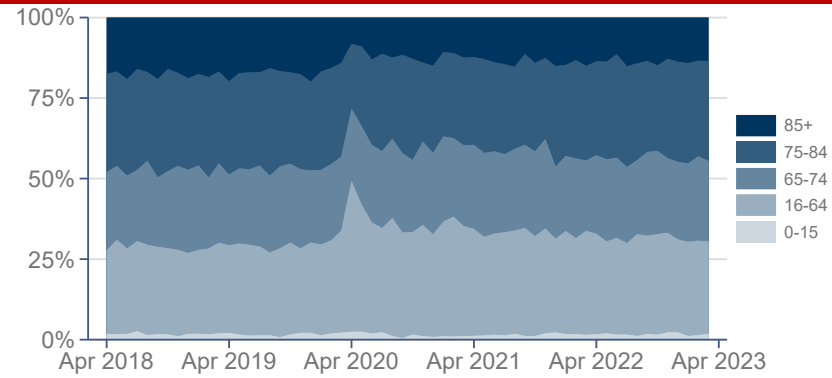
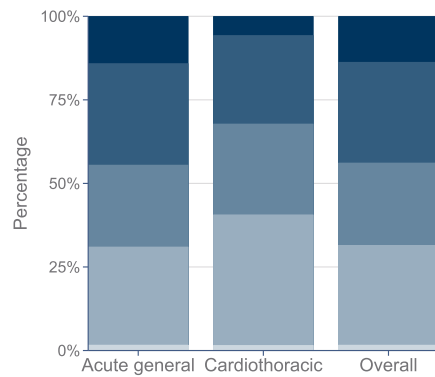
Patient characteristics

	Acute general hospitals	Cardiothoracic hospitals	Overall
Age (years), mean (SD)	69.1 (16.7)	65.9 (15.7)	68.9 (16.7)
Age groups (years), n (%)			
0 – 15	225 (1.7)	11 (1.6)	236 (1.7)
16 – 64	3900 (29.3)	273 (39.1)	4183 (29.8)
65 – 74	3260 (24.5)	190 (27.2)	3455 (24.6)
75 – 84	4036 (30.3)	185 (26.5)	4225 (30.1)
85+	1880 (14.1)	40 (5.7)	1920 (13.7)
Male, n (%)	8272 (62.2)	498 (71.2)	8778 (62.6)
Ethnic group, n (%)			
White	9990 (75.1)	473 (67.7)	10,475 (74.7)
Mixed/multiple ethnic groups	95 (0.7)	8 (1.1)	103 (0.7)
Asian/Asian British	914 (6.9)	54 (7.7)	970 (6.9)
Black/African/Caribbean/Black British	338 (2.5)	14 (2.0)	352 (2.5)
All other	266 (2.0)	24 (3.4)	295 (2.1)
Not stated	1698 (12.8)	126 (18.0)	1824 (13.0)
Reason for hospital attendance, n (%)			
Patient – medical	10,959 (82.4)	468 (67.0)	11,438 (81.6)
Patient – surgical	1568 (11.8)	219 (31.3)	1793 (12.8)
Patient – other	468 (3.5)	0 (0.0)	468 (3.3)
Outpatient, staff or visitor	306 (2.3)	12 (1.7)	320 (2.3)

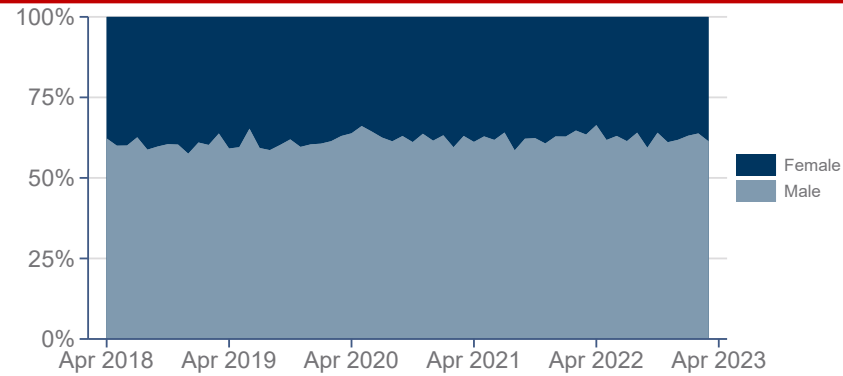
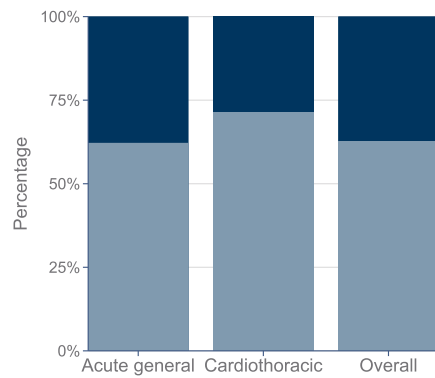


Trends in patient characteristics

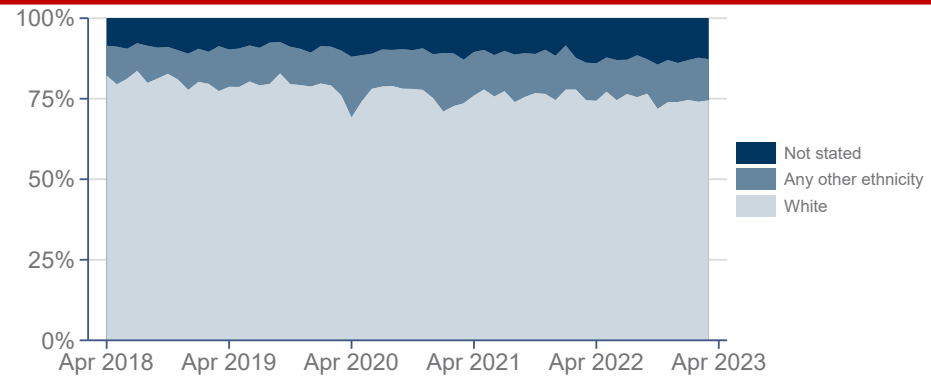
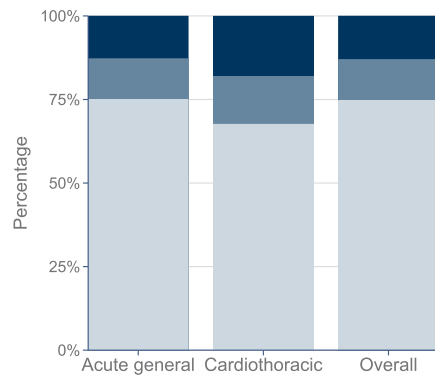
Age (years)



Sex



Ethnic group



Cardiac arrest characteristics

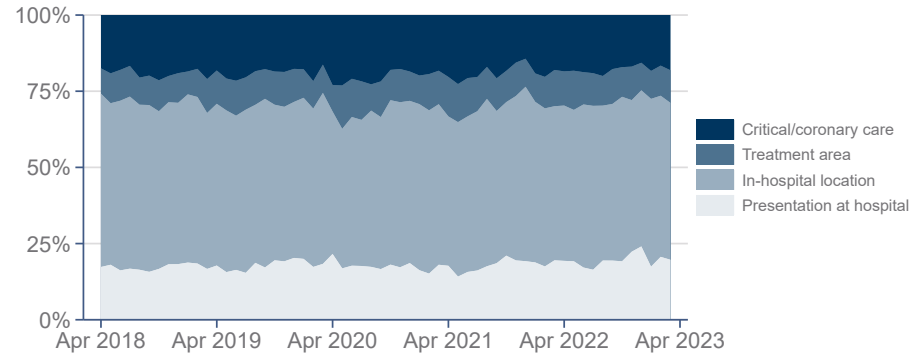
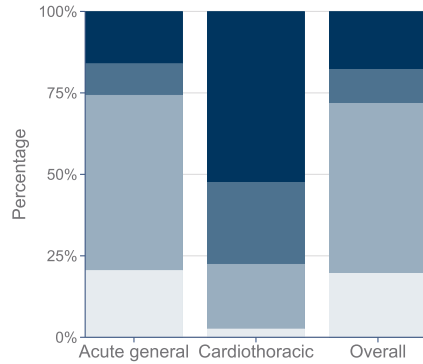
	Acute general hospitals	Cardiothoracic hospitals	Overall
Time between admission and cardiac arrest (days), n (%)			
0 - 1	6116 (46.0)	331 (47.4)	6456 (46.1)
2 - 7	4152 (31.2)	186 (26.6)	4343 (31.0)
≥ 8	3033 (22.8)	182 (26.0)	3220 (23.0)
Location of arrest*, n (%)			
Presentation at hospital	2731 (20.5)	18 (2.6)	2752 (19.6)
In-hospital location	7155 (53.8)	139 (19.9)	7300 (52.1)
Treatment area	1289 (9.7)	175 (25.0)	1465 (10.5)
Critical/coronary care	2126 (16.0)	367 (52.5)	2502 (17.8)
Status at team arrival, n (%)			
Resuscitation ongoing	10,720 (80.6)	526 (75.3)	11,259 (80.3)
ROSC achieved	1481 (11.1)	148 (21.2)	1633 (11.6)
Dead - Resuscitation stopped	128 (1.0)	1 (0.1)	129 (0.9)
Deteriorating (not yet arrested)	972 (7.3)	24 (3.4)	998 (7.1)
Presenting/First documented rhythm, n (%)			
Shockable	2275 (17.1)	269 (38.5)	2546 (18.2)
<i>Shockable - VF</i>	1403 (10.5)	167 (23.9)	1571 (11.2)
<i>Shockable - VT</i>	750 (5.6)	101 (14.4)	852 (6.1)
<i>Shockable - Unknown</i>	122 (0.9)	1 (0.1)	123 (0.9)
Non-shockable	9765 (73.4)	415 (59.4)	10,194 (72.7)
<i>Non-shockable - Asystole</i>	2724 (20.5)	71 (10.2)	2798 (20.0)
<i>Non-shockable - PEA</i>	6674 (50.2)	335 (47.9)	7020 (50.1)
<i>Non-shockable - Bradycardia</i>	53 (0.4)	5 (0.7)	58 (0.4)
<i>Non-shockable - Unknown</i>	314 (2.4)	4 (0.6)	318 (2.3)
Never determined	777 (5.8)	6 (0.9)	784 (5.6)
Unknown	484 (3.6)	9 (1.3)	495 (3.5)

* Presentation at hospital includes: Emergency department, Emergency admissions unit, Clinic and Non-clinical area. In-hospital location includes: Ward, Obstetrics, Other intermediate care ward/unit and Other clinical location. Treatment area includes: Theatre, Imaging, Cardiac catheter laboratory and Specialist treatment area.

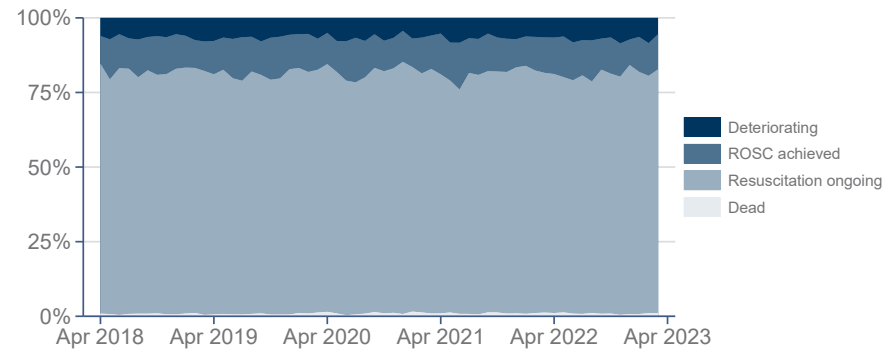
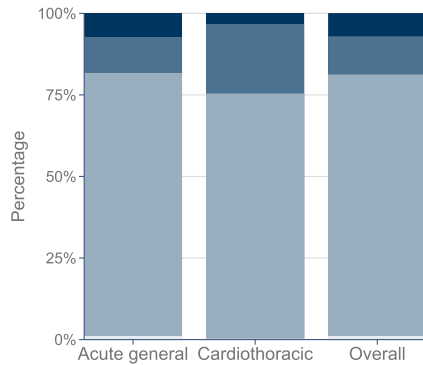


Trends in cardiac arrest characteristics

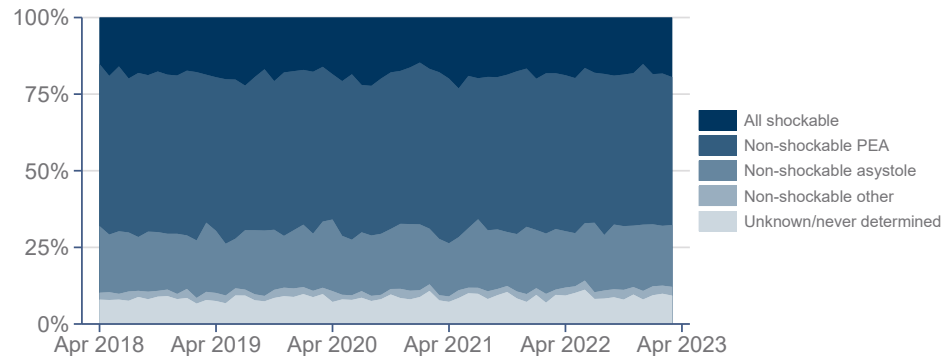
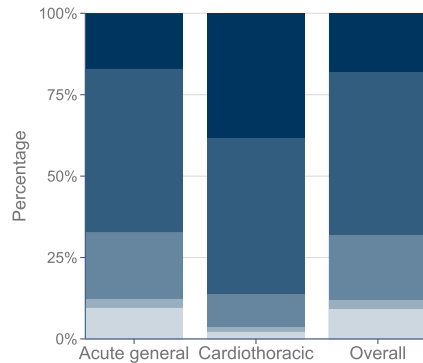
Location of arrest



Status at team arrival

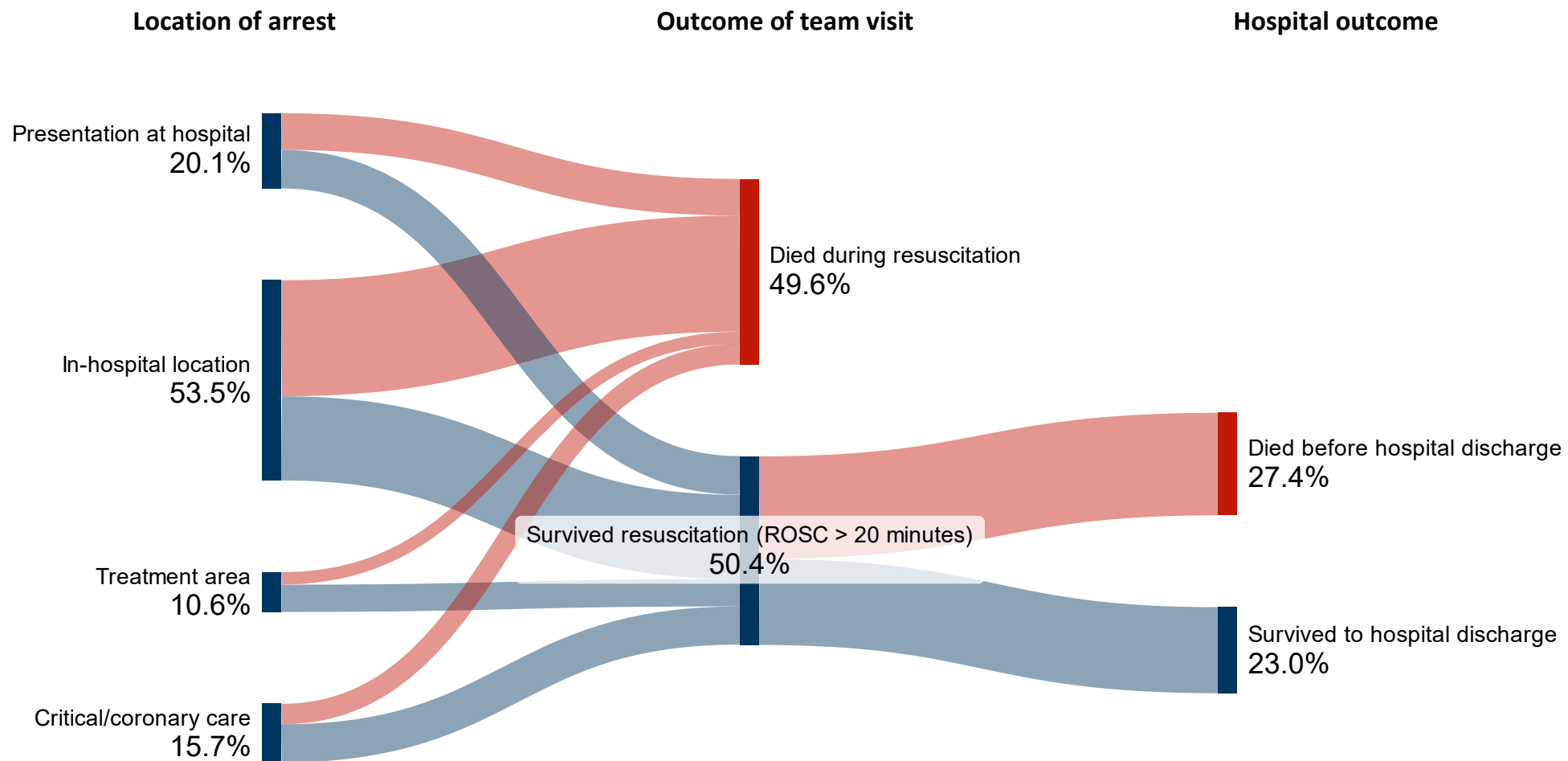


Presenting/First documented rhythm



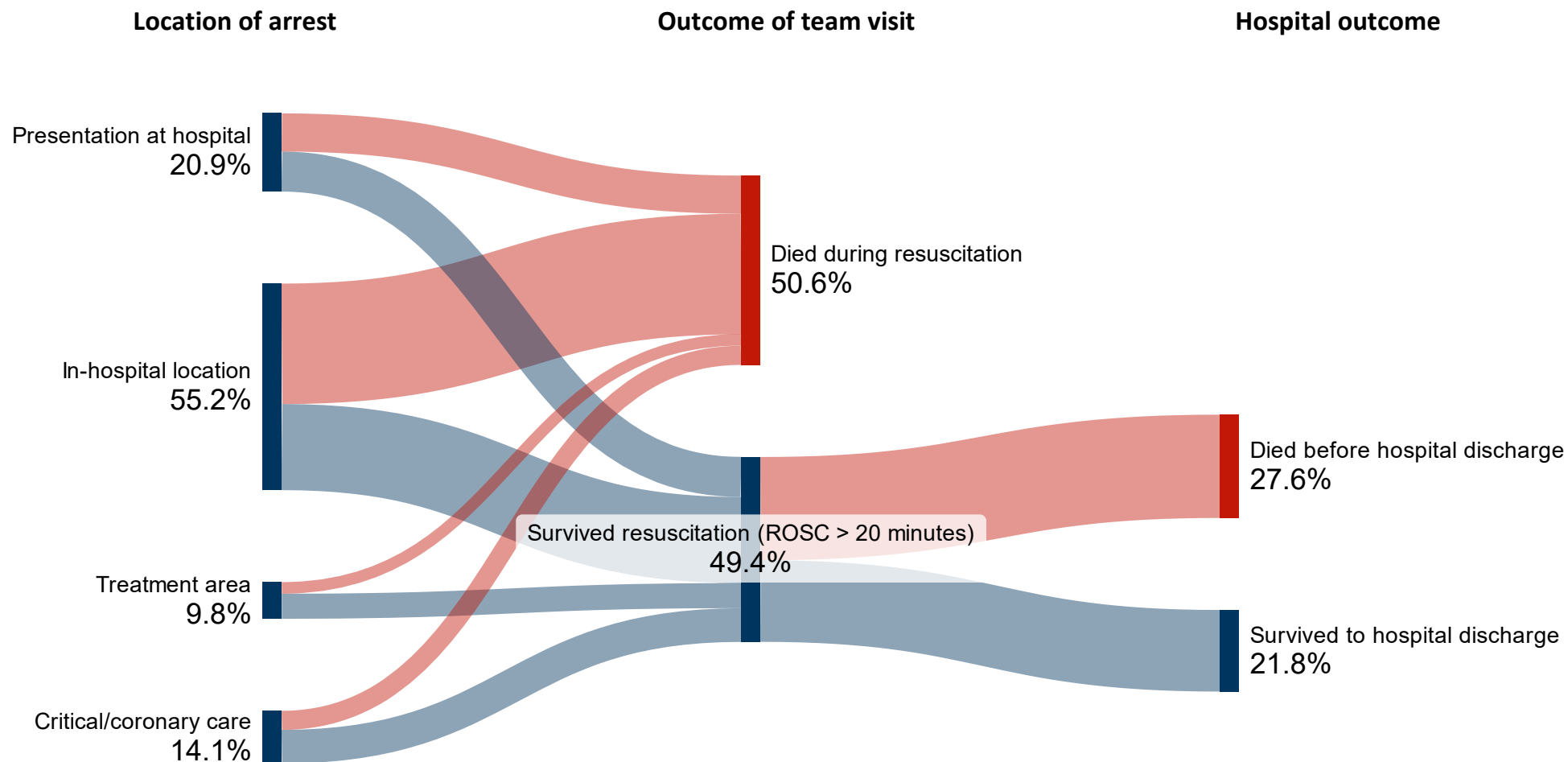


Outcome flow – Overall



Note: Excludes subsequent team visits to the same patient within the same hospital stay and patients with unknown outcomes

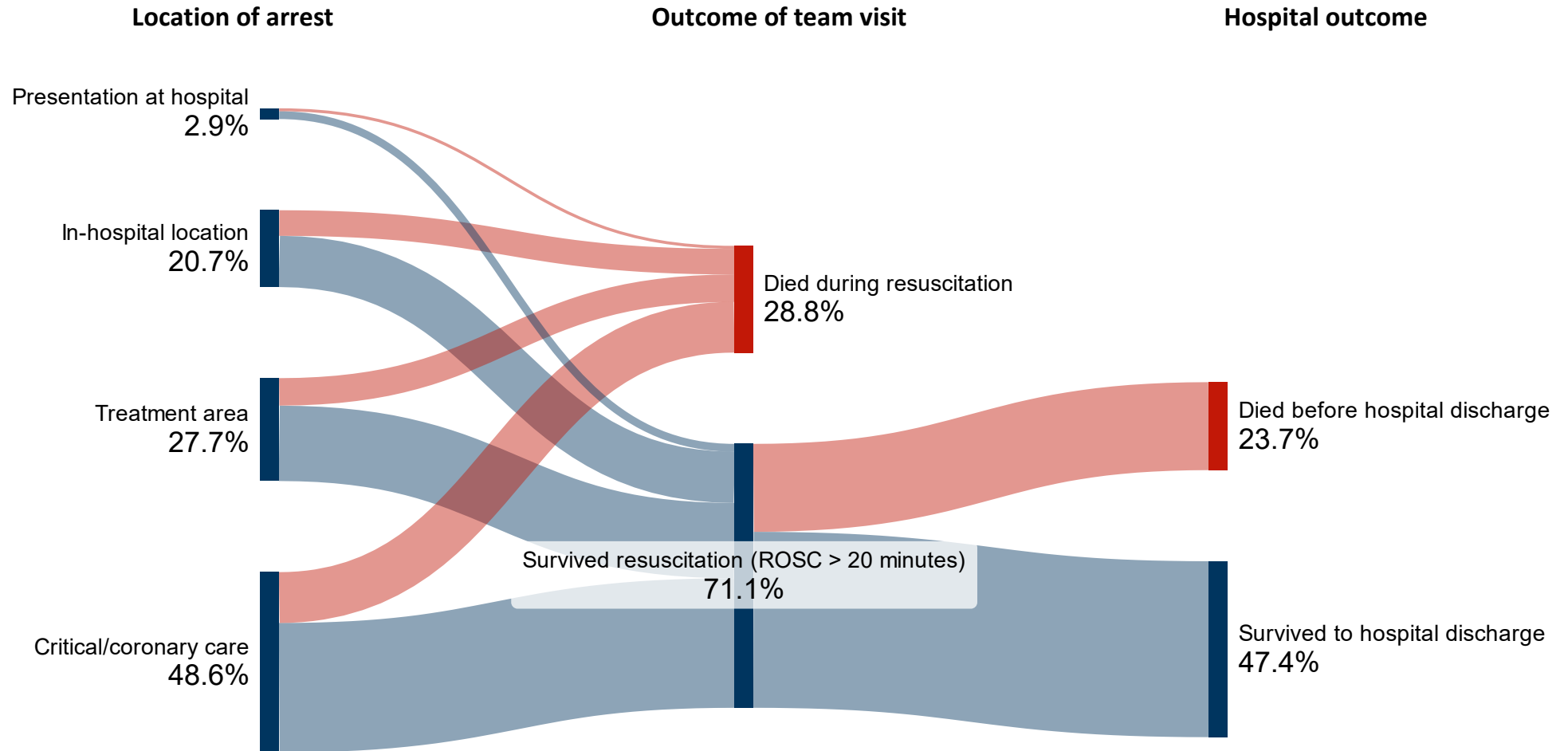
Outcome flow – Acute general



Note: Excludes subsequent team visits to the same patient within the same hospital stay and patients with unknown outcomes



Outcome flow – Cardiothoracic



Note: Excludes subsequent team visits to the same patient within the same hospital stay and patients with unknown outcomes

Overall patient outcomes

	Acute general hospitals	Cardiothoracic hospitals	Overall
Duration of resuscitation (minutes), median (IQR)	12 (5, 25)	6 (2, 22)	12 (4, 25)
Sustained ROSC > 20 minutes, n (%)	6714 (50.5)	507 (72.5)	7234 (51.6)
Post-arrest location*, n (% of sustained ROSC)			
Emergency admissions unit	219 (3.3)	0 (0.0)	221 (3.1)
Critical/coronary care	3978 (59.2)	459 (90.5)	4445 (61.4)
Other in-hospital location	1334 (19.9)	35 (6.9)	1371 (19.0)
Did not survive to post-arrest location	838 (12.5)	9 (1.8)	847 (11.7)
Not in hospital	29 (0.4)	2 (0.4)	31 (0.4)
Other hospital	316 (4.7)	2 (0.4)	319 (4.4)
Survival to hospital discharge†	2782 (21.8)	288 (47.4)	3076 (23.0)

* Post-arrest location completed for arrests with sustained ROSC > 20 minutes; Other in-hospital location includes: Ward, Obstetrics, Other intermediate care ward/unit and Other clinical location

† Excludes subsequent team visits to the same patient within the same hospital stay and patients with unknown outcomes



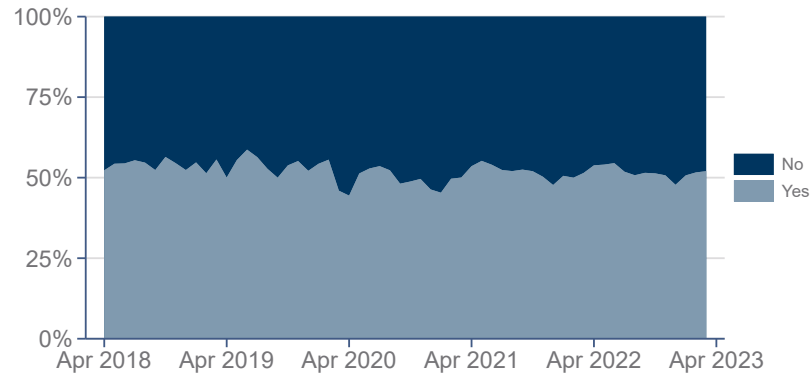
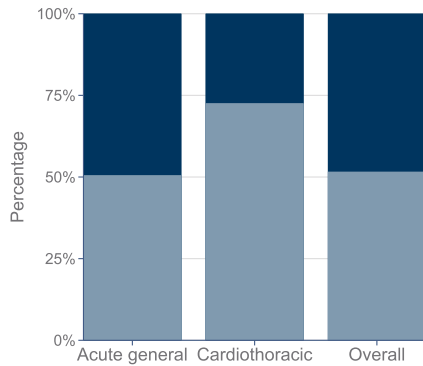
Outcomes by rhythm and age group

	Sustained ROSC > 20 mins			Survived to hospital discharge †		
	Acute general hospitals	Cardiothoracic hospitals	Overall	Acute general hospitals	Cardiothoracic hospitals	Overall
Shockable – VF/VT						
0 – 15	5/8 (62.5)	2/2 (100.0)	7/10 (70.0)	3/7 (42.9)	2/2 (100.0)	5/9 (55.6)
16 – 64	578/740 (78.1)	113/129 (87.6)	691/869 (79.5)	401/667 (60.1)	64/101 (63.4)	465/768 (60.5)
65 – 74	419/542 (77.3)	62/74 (83.8)	481/616 (78.1)	227/480 (47.3)	34/59 (57.6)	261/539 (48.4)
75 – 84	466/630 (74.0)	47/53 (88.7)	515/685 (75.2)	241/566 (42.6)	26/43 (60.5)	267/611 (43.7)
85+	164/233 (70.4)	7/10 (70.0)	171/243 (70.4)	76/221 (34.4)	2/9 (22.2)	78/230 (33.9)
Overall	1632/2153 (75.8)	231/268 (86.2)	1865/2423 (77.0)	948/1941 (48.8)	128/214 (59.8)	1076/2157 (49.9)
Non-shockable – PEA						
0 – 15	47/84 (56.0)	7/8 (87.5)	54/92 (58.7)	27/77 (35.1)	1/8 (12.5)	28/85 (32.9)
16 – 64	1062/1970 (53.9)	67/108 (62.0)	1132/2084 (54.3)	389/1890 (20.6)	41/99 (41.4)	431/1994 (21.6)
65 – 74	803/1670 (48.1)	57/91 (62.6)	862/1765 (48.8)	225/1610 (14.0)	24/82 (29.3)	249/1695 (14.7)
75 – 84	934/2096 (44.6)	62/102 (60.8)	997/2199 (45.3)	211/2034 (10.4)	40/96 (41.7)	252/2131 (11.8)
85+	307/854 (35.9)	12/26 (46.2)	319/880 (36.2)	69/836 (8.3)	6/25 (24.0)	75/861 (8.7)
Overall	3153/6674 (47.2)	205/335 (61.2)	3364/7020 (47.9)	921/6447 (14.3)	112/310 (36.1)	1035/6766 (15.3)
Non-shockable – Asystole						
0 – 15	18/42 (42.9)	0/0 (0.0)	18/42 (42.9)	11/40 (27.5)	0/0 (0.0)	11/40 (27.5)
16 – 64	258/719 (35.9)	22/28 (78.6)	282/749 (37.7)	79/686 (11.5)	14/23 (60.9)	94/711 (13.2)
65 – 74	212/697 (30.4)	10/17 (58.8)	222/715 (31.0)	51/679 (7.5)	6/13 (46.2)	57/693 (8.2)
75 – 84	201/787 (25.5)	11/22 (50.0)	212/809 (26.2)	40/774 (5.2)	7/19 (36.8)	47/793 (5.9)
85+	94/479 (19.6)	3/4 (75.0)	97/483 (20.1)	22/472 (4.7)	3/4 (75.0)	25/476 (5.3)
Overall	783/2724 (28.7)	46/71 (64.8)	831/2798 (29.7)	203/2651 (7.7)	30/59 (50.8)	234/2713 (8.6)

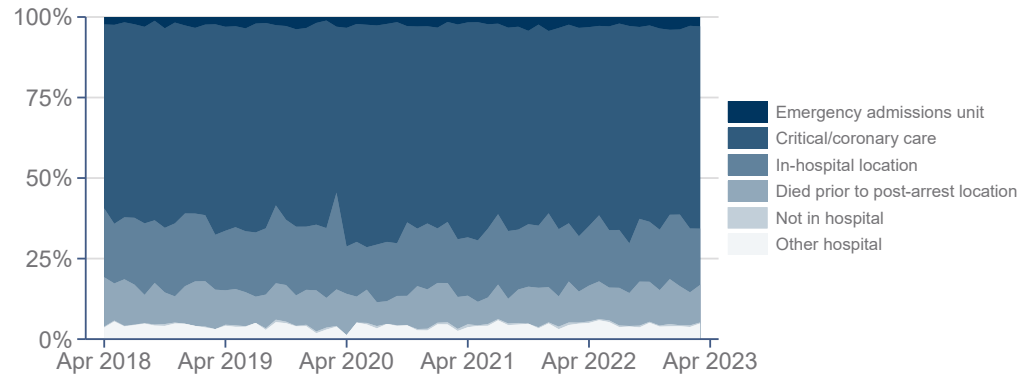
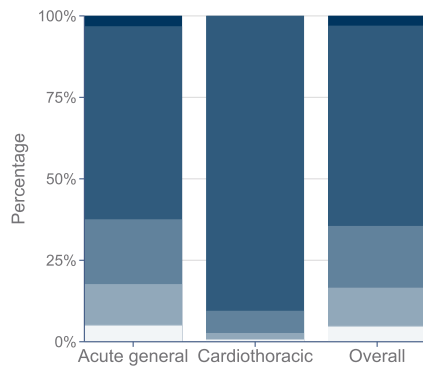
† Excludes subsequent team visits to the same patient within the same hospital stay and patients with unknown outcomes

Trends in patient outcomes

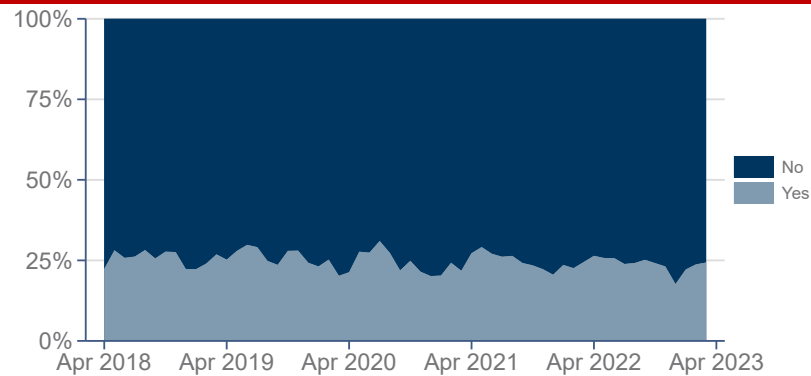
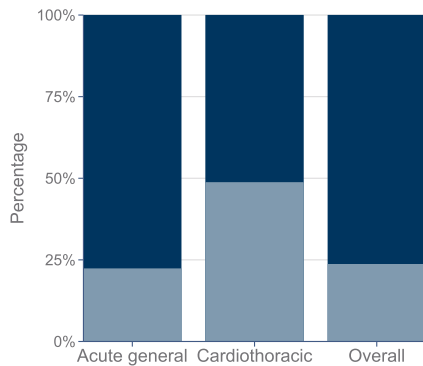
Sustained ROSC > 20 minutes



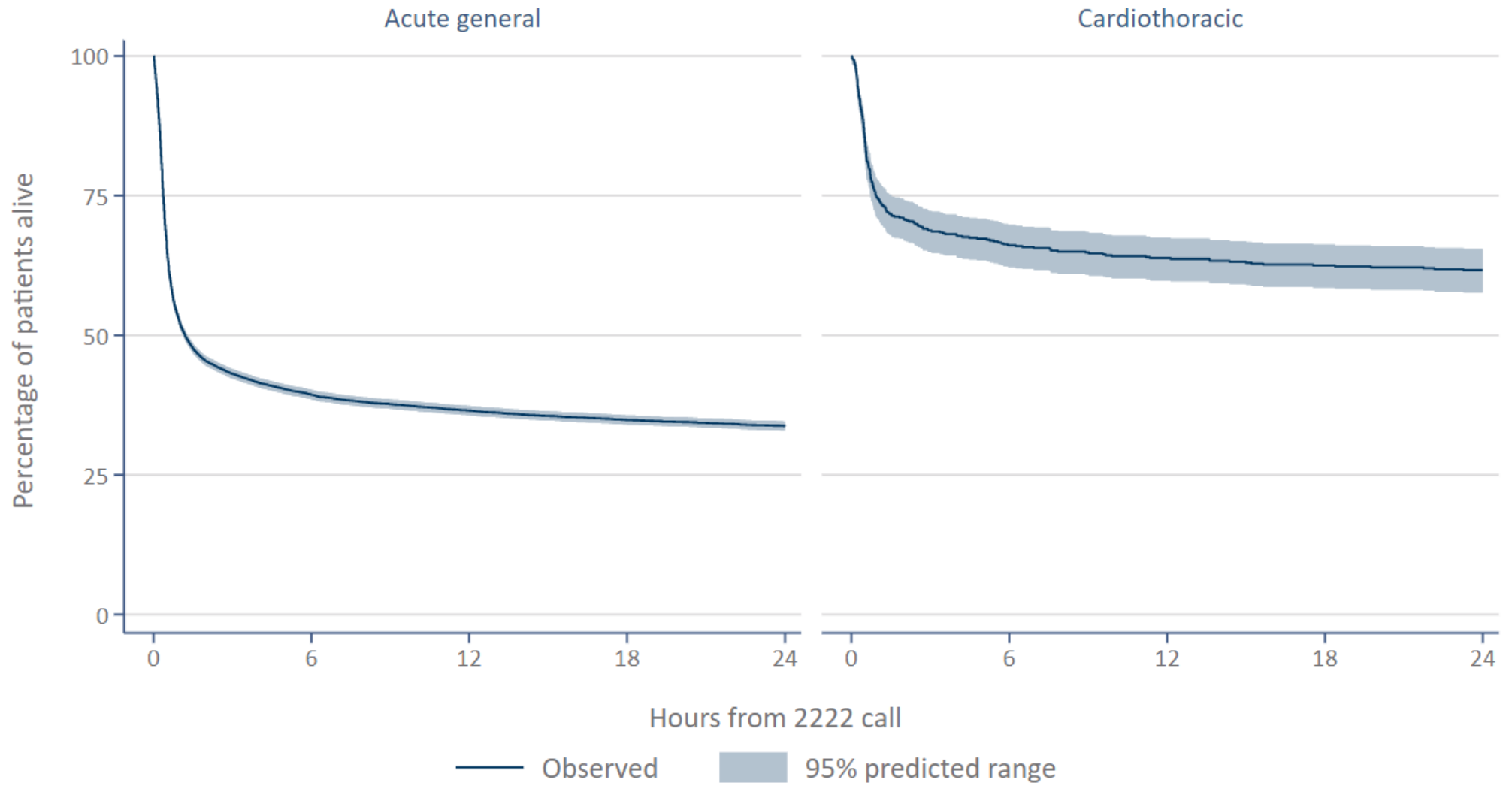
Post-arrest location



Survival to hospital discharge

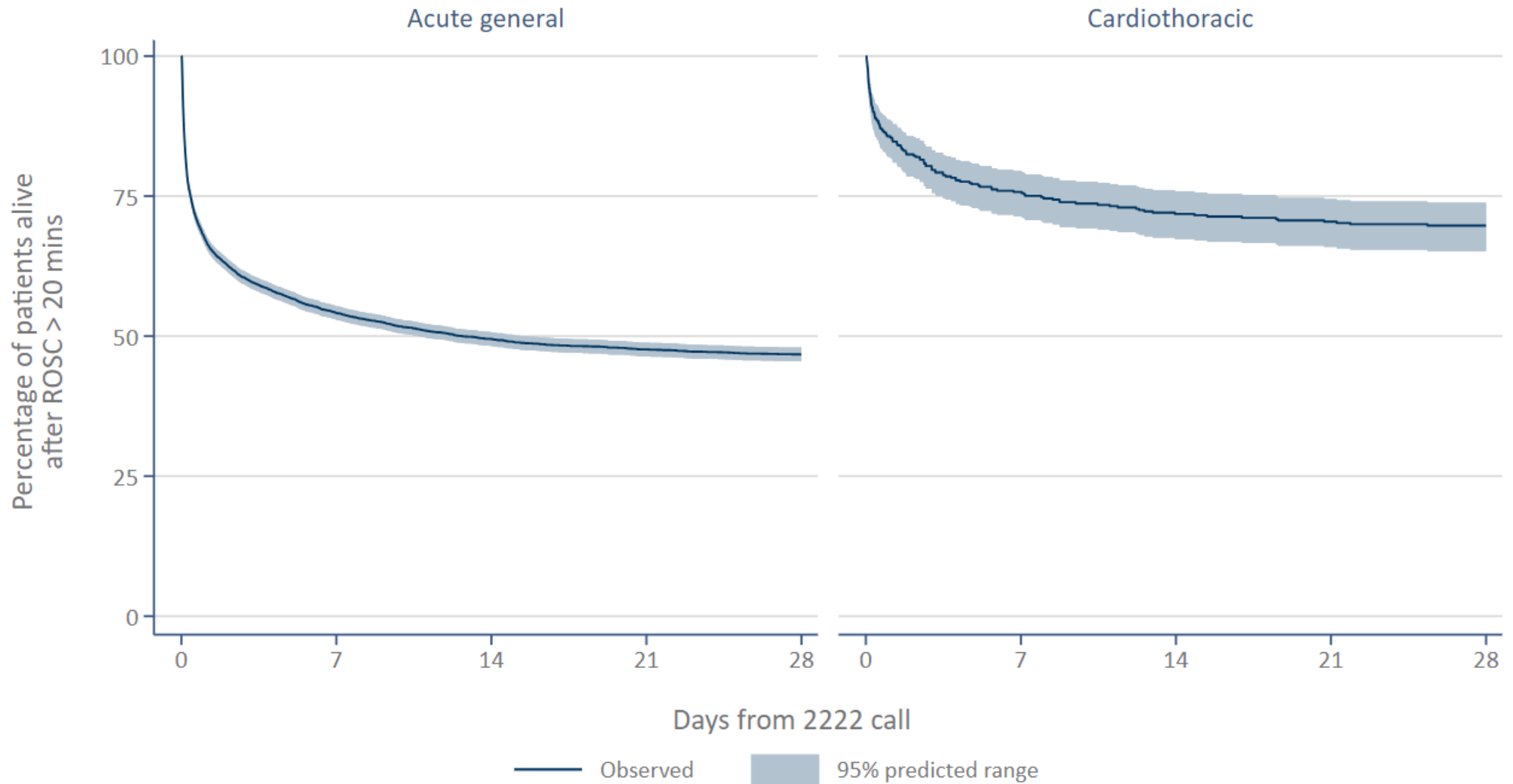


24-hour survival

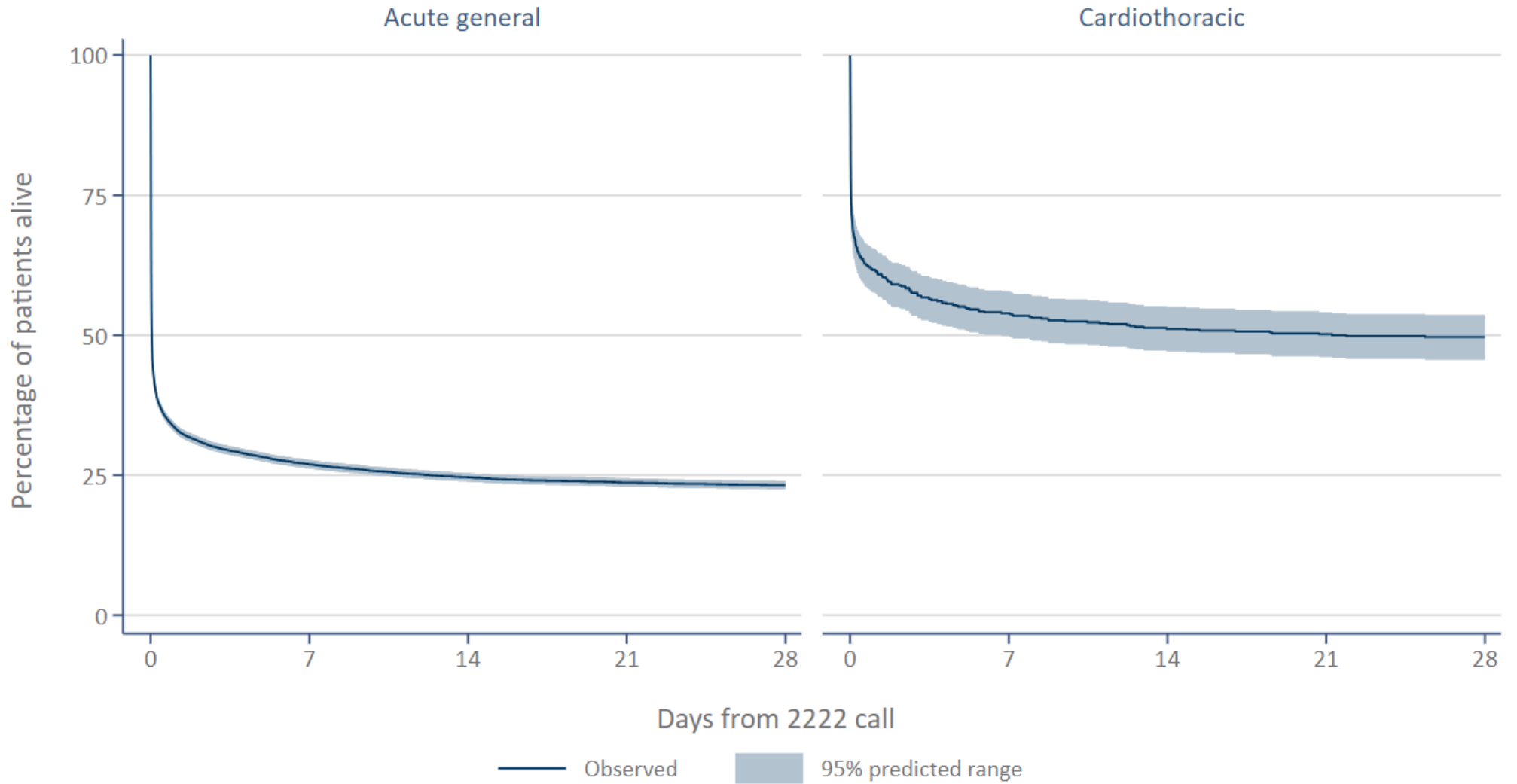




28-day in-hospital survival among patients with ROSC > 20 mins



Overall 28-day in-hospital survival





Length of stay in hospital *

Acute hospital survivors

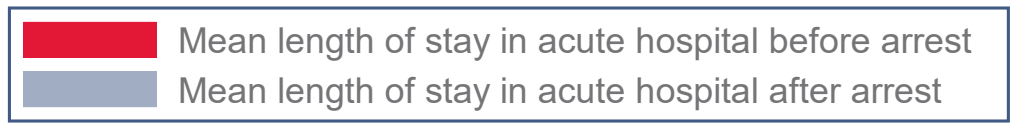
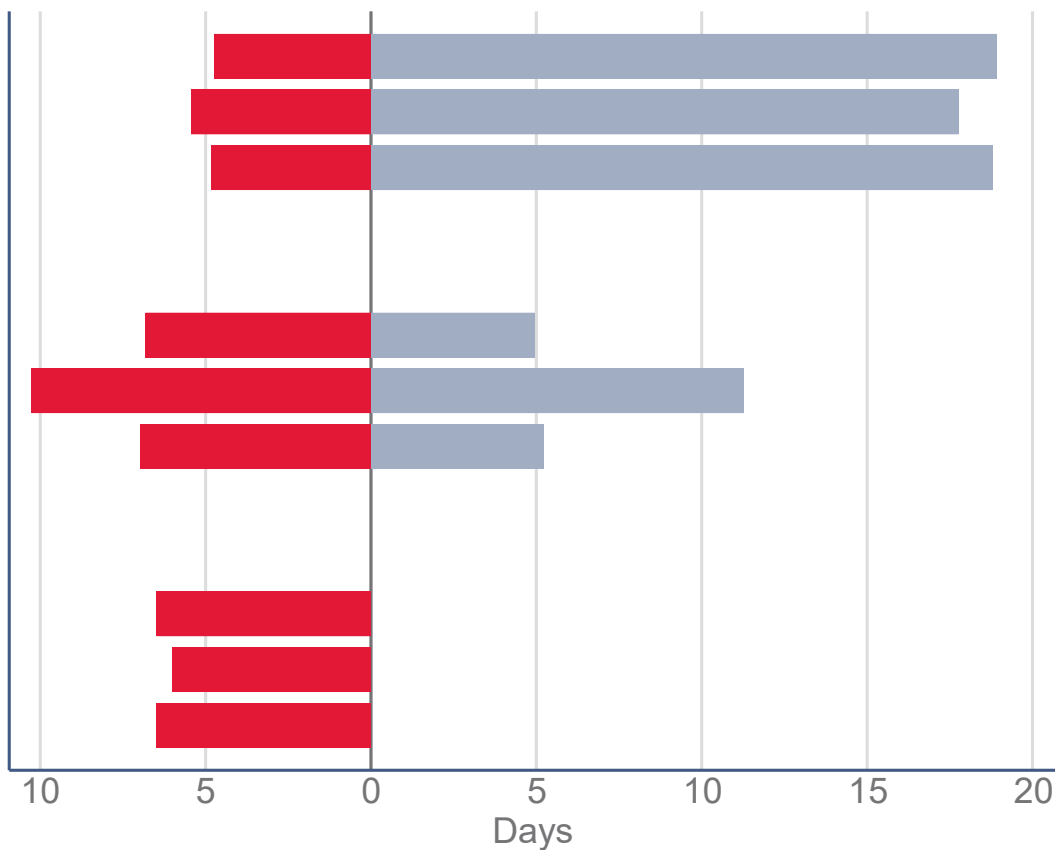
Acute general
 Cardiothoracic
 Overall

Arrest survivors who died in hospital

Acute general
 Cardiothoracic
 Overall

Arrest non-survivors

Acute general
 Cardiothoracic
 Overall



* Hospital in which arrest occurred



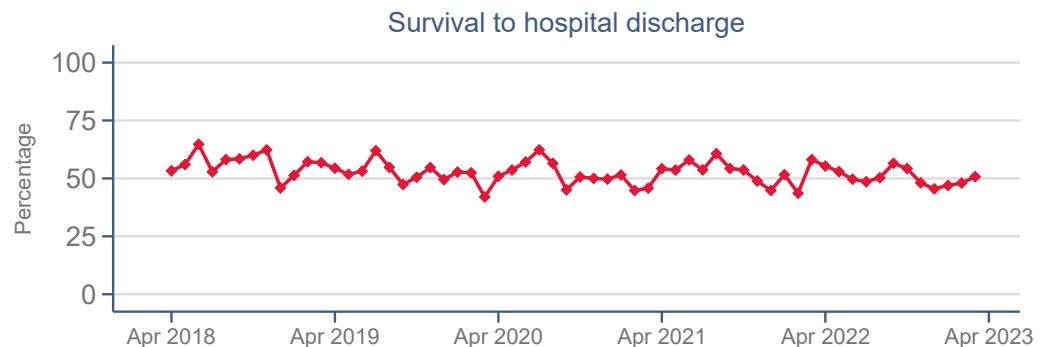
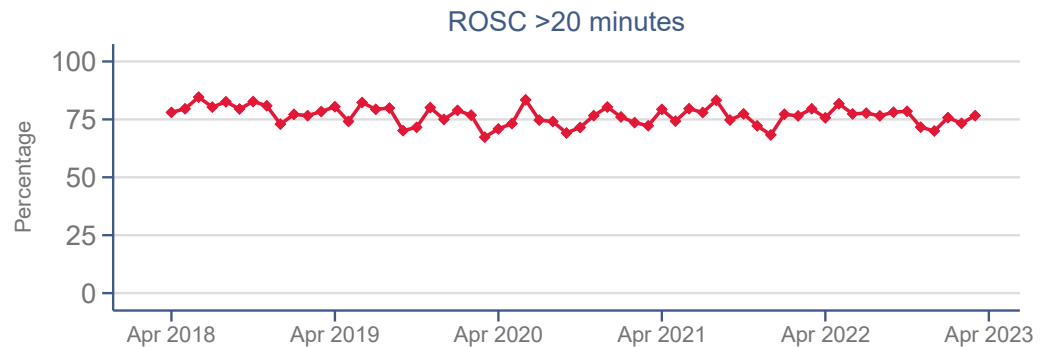
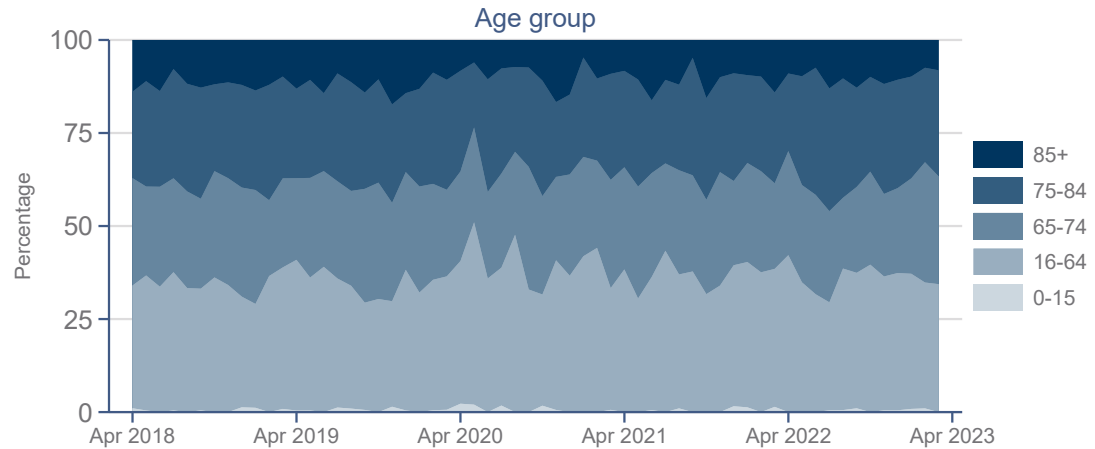
Patient subgroup: Shockable – VF/VT

Patient characteristics Overall

N (% of all team visits)	2423 (17.3)
Age group (years)	
0 – 15	10 (0.4)
16 – 64	869 (35.9)
65 – 74	616 (25.4)
75 – 84	685 (28.3)
85+	243 (10.0)
Male, n (%)	1724 (71.2)
Ethnic group, n (%)	
White	1842 (76.0)
Any other ethnicity	251 (10.4)
Not stated	330 (13.6)
Reason for hospital attendance	
Patient – medical	2005 (82.7)
Patient – surgical	292 (12.1)
Patient – other	37 (1.5)
Outpatient, staff or visitor	89 (3.7)

Cardiac arrest characteristics Overall

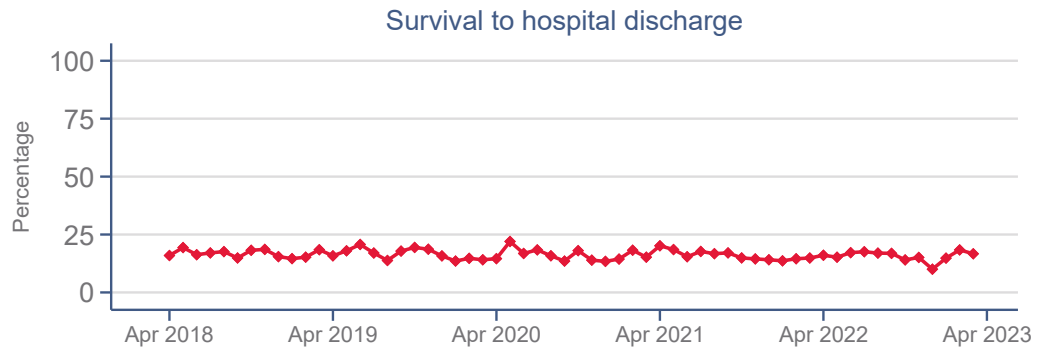
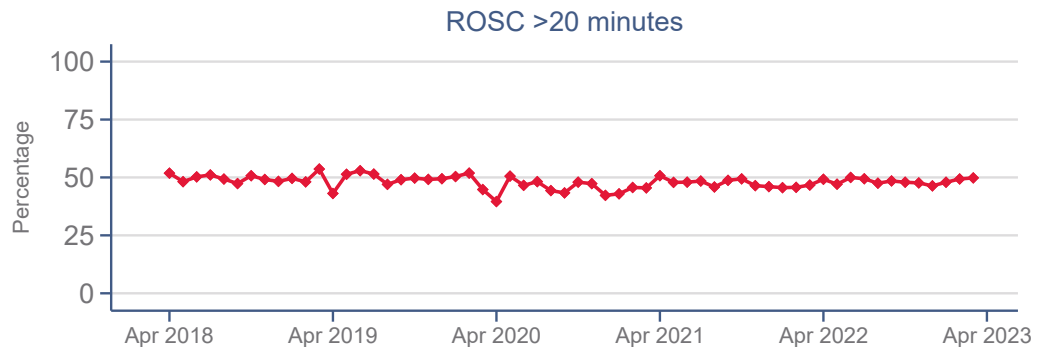
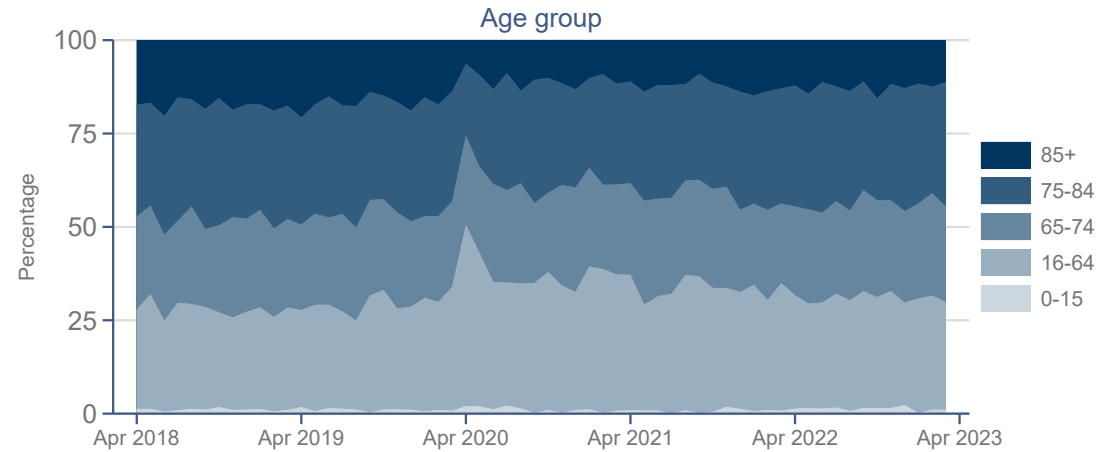
N (% of all team visits)	2423 (17.3)
Time between admission and cardiac arrest (days)	
0 – 1	1300 (53.7)
2 – 7	709 (29.3)
≥ 8	414 (17.1)
Location of arrest*, n (%)	
Presentation at hospital	443 (18.3)
In-hospital location	780 (32.2)
Treatment area	383 (15.8)
Critical/coronary care	817 (33.7)
Status at team arrival, n (%)	
Resuscitation ongoing	1765 (72.8)
ROSC achieved	543 (22.4)
Dead – Resuscitation stopped	8 (0.3)
Deteriorating (not yet arrested)	107 (4.4)





Patient subgroup: Non-shockable – PEA

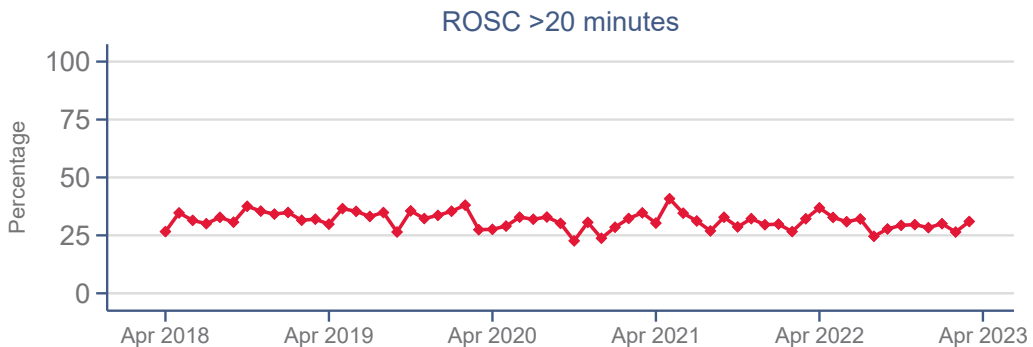
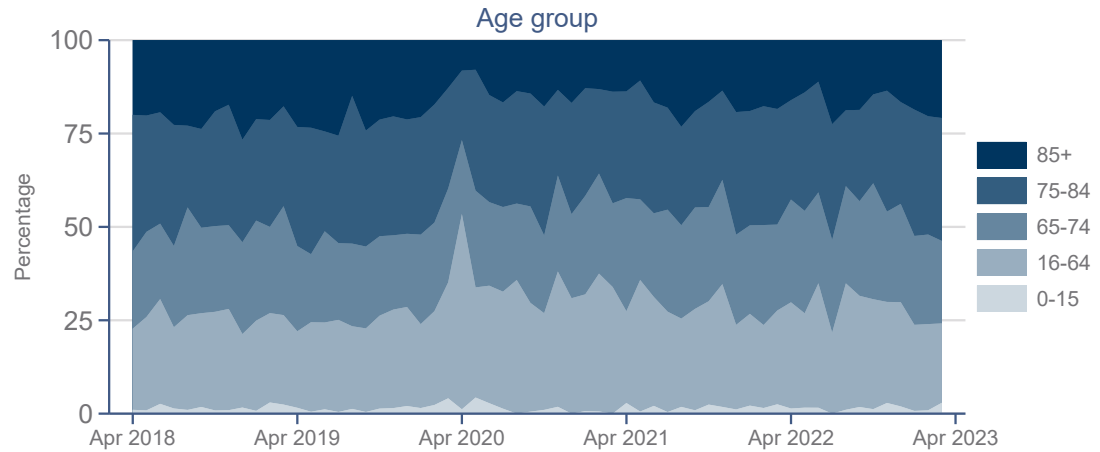
Patient characteristics	Overall
N (% of all team visits)	7020 (50.1)
Age group (years)	
0 – 15	92 (1.3)
16 – 64	2084 (29.7)
65 – 74	1765 (25.1)
75 – 84	2199 (31.3)
85+	880 (12.5)
Male, n (%)	4314 (61.5)
Ethnic group, n (%)	
White	5207 (74.2)
Any other ethnicity	923 (13.1)
Not stated	890 (12.7)
Reason for hospital attendance	
Patient – medical	5694 (81.1)
Patient – surgical	947 (13.5)
Patient – other	257 (3.7)
Outpatient, staff or visitor	122 (1.7)
Cardiac arrest characteristics	Overall
N (% of all team visits)	7020 (50.1)
Time between admission and cardiac arrest (days)	
0 – 1	3301 (47.0)
2 – 7	2122 (30.2)
≥ 8	1597 (22.7)
Location of arrest*, n (%)	
Presentation at hospital	1528 (21.8)
In-hospital location	3604 (51.3)
Treatment area	682 (9.7)
Critical/coronary care	1206 (17.2)
Status at team arrival, n (%)	
Resuscitation ongoing	5969 (85.0)
ROSC achieved	382 (5.4)
Dead – Resuscitation stopped	23 (0.3)
Deteriorating (not yet arrested)	646 (9.2)





Patient subgroup: Non-shockable – Asystole

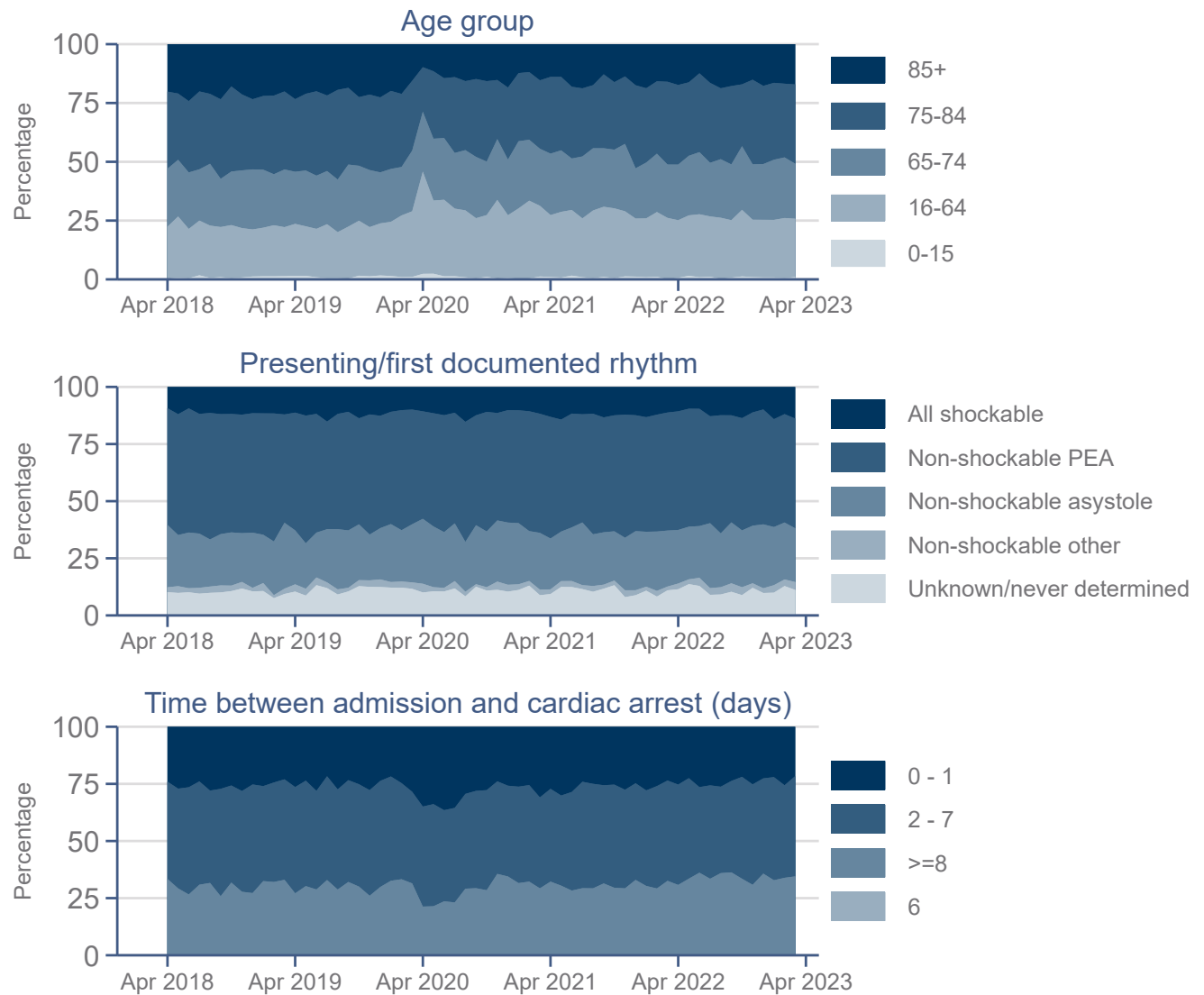
Patient characteristics	Overall
N (% of all team visits)	2798 (20.0)
Age group (years)	
0 – 15	42 (1.5)
16 – 64	749 (26.8)
65 – 74	715 (25.6)
75 – 84	809 (28.9)
85+	483 (17.3)
Male, n (%)	1707 (61.0)
Ethnic group, n (%)	
White	2099 (75.0)
Any other ethnicity	307 (11.0)
Not stated	392 (14.0)
Reason for hospital attendance	
Patient – medical	2327 (83.2)
Patient – surgical	344 (12.3)
Patient – other	106 (3.8)
Outpatient, staff or visitor	21 (0.8)
Cardiac arrest characteristics	Overall
N (% of all team visits)	2798 (20.0)
Time between admission and cardiac arrest (days)	
0 – 1	1062 (38.0)
2 – 7	984 (35.2)
≥ 8	752 (26.9)
Location of arrest*, n (%)	
Presentation at hospital	474 (16.9)
In-hospital location	1827 (65.3)
Treatment area	170 (6.1)
Critical/coronary care	327 (11.7)
Status at team arrival, n (%)	
Resuscitation ongoing	2503 (89.5)
ROSC achieved	122 (4.4)
Dead – Resuscitation stopped	21 (0.8)
Deteriorating (not yet arrested)	152 (5.4)





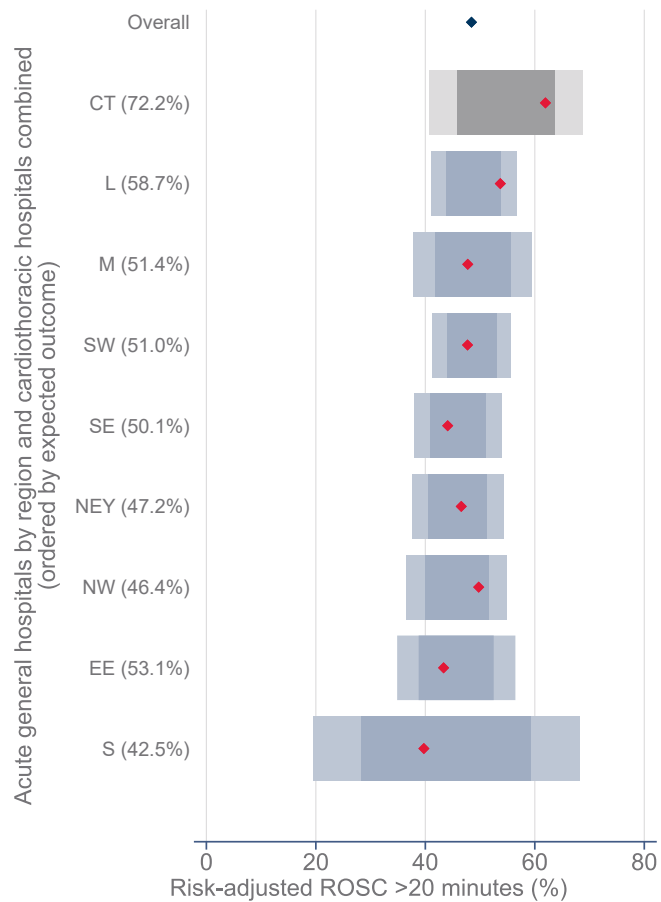
Patient subgroup: Team visits to the ward

Patient characteristics	Overall
N (% of all team visits)	7236 (51.6)
Age group (years)	
0 - 15	64 (0.9)
16 - 64	1838 (25.4)
65 - 74	1783 (24.6)
75 - 84	2348 (32.4)
85+	1203 (16.6)
Male, n (%)	4419 (61.1)
Ethnic group, n (%)	
White	5570 (77.0)
Any other ethnicity	759 (10.5)
Not stated	907 (12.5)
Reason for hospital attendance	
Patient - medical	5939 (82.1)
Patient - surgical	992 (13.7)
Patient - other	295 (4.1)
Outpatient, staff or visitor	10 (0.1)
Cardiac arrest characteristics	Overall
N (% of all team visits)	7236 (51.6)
Time between admission and cardiac arrest (days)	
0 - 1	1733 (23.9)
2 - 7	3049 (42.1)
≥ 8	2454 (33.9)
Status at team arrival, n (%)	
Resuscitation ongoing	6150 (85.0)
ROSC achieved	485 (6.7)
Dead - Resuscitation stopped	89 (1.2)
Deteriorating (not yet arrested)	512 (7.1)
Presenting/first documented rhythm, n (%)	
All shockable	858 (11.9)
Non-shockable PEA	3564 (49.3)
Non-shockable Asystole	1815 (25.1)
Non-shockable Other	211 (2.9)
Unknown/Never determined	788 (10.9)





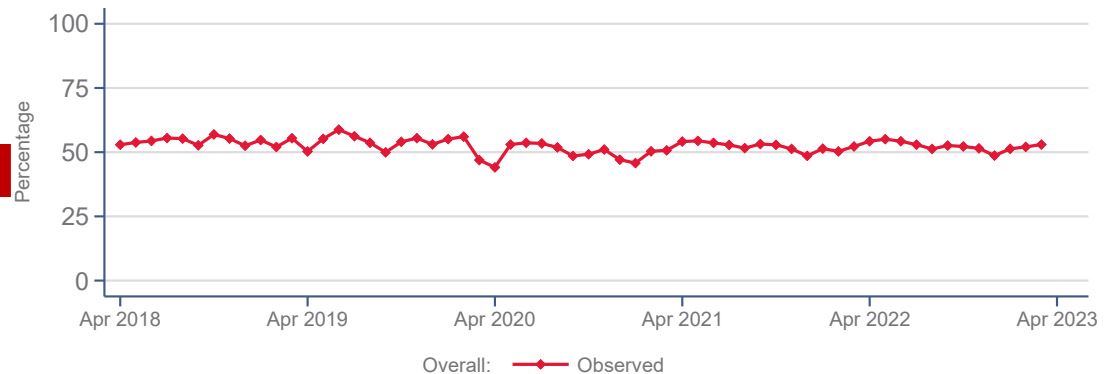
Risk-adjusted ROSC >20 minutes



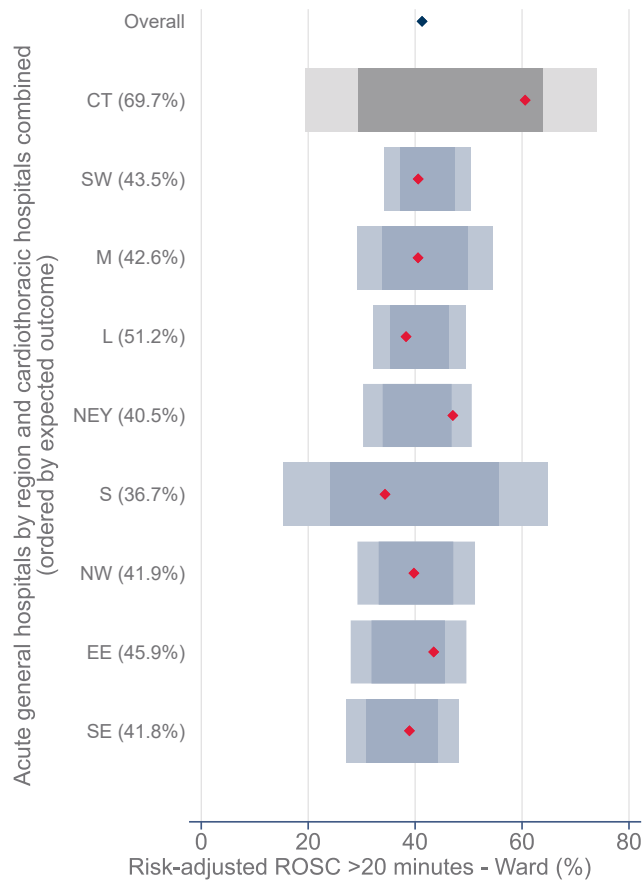
Hospital type & region	Numerator	Denominator	Result
Acute general hospitals	6345	12,362	51.3
East of England	807	1521	53.1
London	1218	2074	58.7
Midlands	1283	2494	51.4
North East and Yorkshire	955	2024	47.2
North West	511	1102	46.4
South East	917	1830	50.1
South West	563	1103	51.0
Scotland	91	214	42.5
Cardiothoracic hospitals	433	600	72.2
Overall	6790	12,979	52.3

Definition

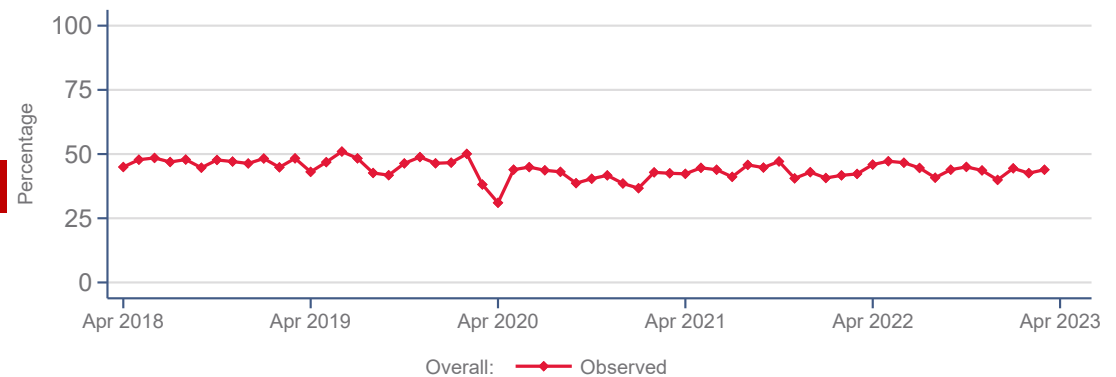
- **Numerator:** Number of eligible team visits that achieved ROSC > 20 minutes
- **Denominator:** Eligible team visits (excludes team visits recorded as 'Dead - DNACPR', team visits missing predictors or outcome data, and subsequent team visits to the same patient during the same hospital stay)
- **Result:** Observed percentage of team visits achieving ROSC > 20 minutes
- **Predicted ranges:** see [presentation of statistics](#)



Risk-adjusted ROSC >20 minutes: Arrests on the ward



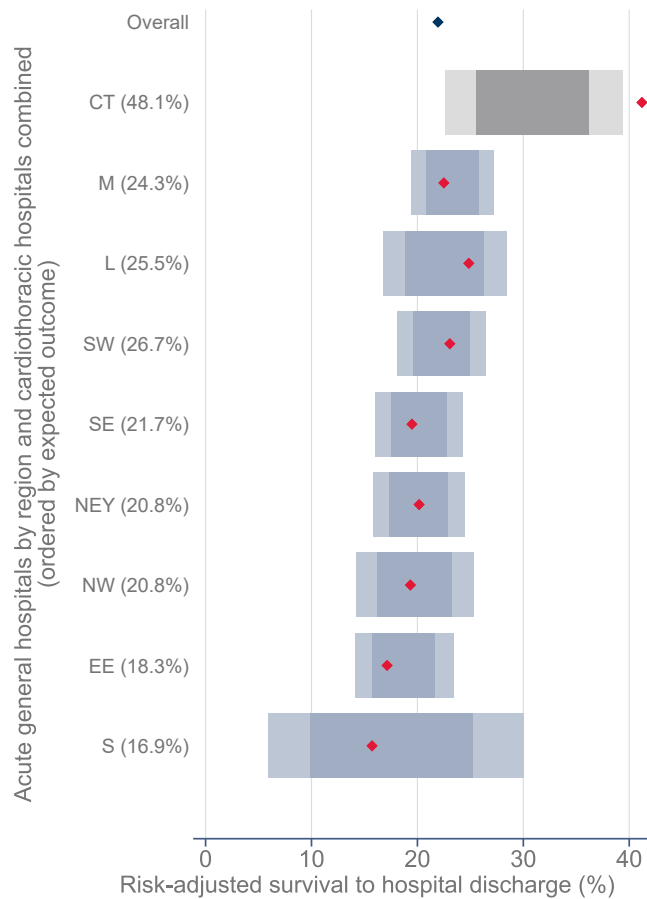
Hospital type & region	Numerator	Denominator	Result	
Acute general hospitals	2903	6673	43.5	
East of England	EE	360	784	45.9
London	L	448	875	51.2
Midlands	M	620	1454	42.6
North East and Yorkshire	NEY	506	1249	40.5
North West	NW	323	771	41.9
South East	SE	340	813	41.8
South West	SW	251	577	43.5
Scotland	S	55	150	36.7
Cardiothoracic hospitals	CT	83	119	69.7
Overall	2989	6798	44.0	



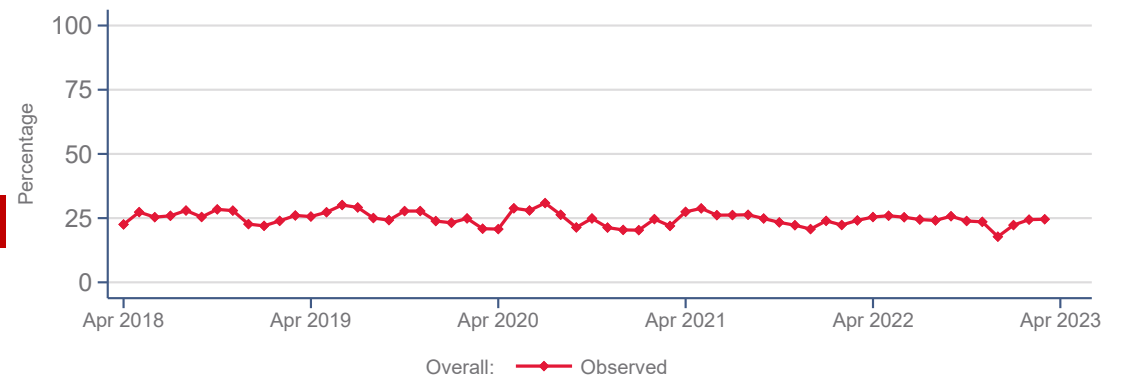
Definition

- **Numerator:** Number of eligible team visits to the ward that achieved ROSC > 20 minutes
- **Denominator:** Eligible team visits to the ward (excludes team visits recorded as 'Dead - DNACPR', team visits missing predictors or outcome data, and subsequent team visits to the same patient during the same hospital stay)
- **Result:** Observed percentage of team visits to the ward achieving ROSC > 20 minutes
- **Predicted ranges:** see [presentation of statistics](#)

Risk-adjusted survival to hospital discharge



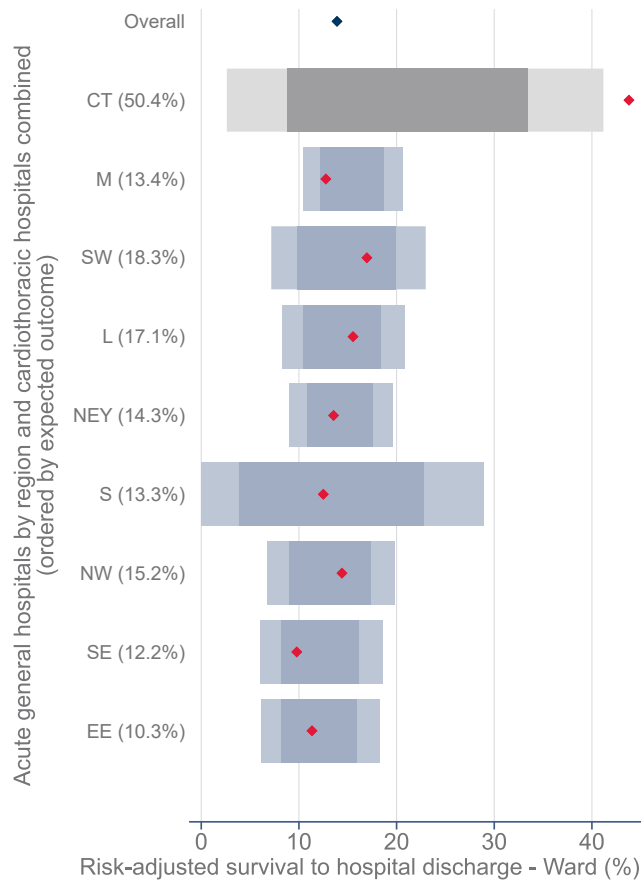
Hospital type & region	Numerator	Denominator	Result
Acute general hospitals	2782	12,316	22.6
East of England	278	1519	18.3
London	523	2047	25.5
Midlands	605	2492	24.3
North East and Yorkshire	422	2024	20.8
North West	228	1098	20.8
South East	397	1827	21.7
South West	293	1096	26.7
Scotland	36	213	16.9
Cardiothoracic hospitals	288	599	48.1
Overall	3076	12,932	23.8



Definition

- **Numerator:** Number of eligible team visits that survived to hospital discharge
- **Denominator:** Eligible team visits (excludes team visits recorded as 'Dead - DNACPR', team visits missing predictors or outcome data, and subsequent team visits to the same patient during the same hospital stay)
- **Result:** Observed percentage of team visits surviving to hospital discharge
- **Predicted ranges:** see [presentation of statistics](#)

Risk-adjusted survival to hospital discharge: Arrests on the ward



Hospital type & region	Numerator	Denominator	Result
Acute general hospitals	944	6656	14.2
East of England	81	783	10.3
London	148	866	17.1
Midlands	195	1454	13.4
North East and Yorkshire	179	1249	14.3
North West	117	768	15.2
South East	99	813	12.2
South West	105	573	18.3
Scotland	20	150	13.3
Cardiothoracic hospitals	60	119	50.4
Overall	1006	6781	14.8

Definition

- **Numerator:** Number of eligible team visits to the ward that survived to hospital discharge
- **Denominator:** Eligible team visits to the ward (excludes team visits recorded as 'Dead - DNACPR', team visits missing predictors or outcome data, and subsequent team visits to the same patient during the same hospital stay)
- **Result:** Observed percentage of team visits to the ward surviving to hospital discharge
- **Predicted ranges:** see [presentation of statistics](#)

