



Royal College
of Physicians

NACAP

National Asthma and Chronic Obstructive Pulmonary Disease Audit Programme (NACAP)

COPD clinical audit 2018/19

(people with COPD exacerbations discharged from acute hospitals
in England and Wales between September 2018 and 2019)

Benchmarked key indicators

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British
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Royal College of
General Practitioners



HQIP
Healthcare Quality
Improvement Partnership

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Benchmarking of key indicators for participating hospitals

Table 1 shows the national (England, Scotland and Wales combined) medians, lower quartiles and upper quartiles for the key indicators that have been presented in the unadjusted benchmarking of hospitals (Table 2). The values presented in Table 1 have been derived by the method shown visually in the box and whisker plot (Fig 4). More specifically, to create the 'box', data for each key indicator were ordered numerically from smallest (whisker; P0) to largest (whisker; P100) to find the median (P50), the middle point of the values. The data are divided into two halves, these two halves are then divided in half again to identify the lower quartile (P25) and the upper quartile (P75).

Table 1 The median and interquartile ranges for each key indicator

Median and interquartile ranges (%)	Key indicators						
	Length of stay (days)	Oxygen prescribed to those patients who required it (%)	Patient requiring acute treatment with NIV received it within 2 hours of arrival (%)	Spirometry result available (%)	Current smoker referred to behavioural change intervention and/or prescribed a stop smoking drug (%)	Patient received respiratory review within 24 hours of admission (%)	Discharge bundle completed for the admission (%)
Lower quartile	2	37	14	27	28	48	59
Median	4	61	24	44	40	66	81
Upper quartile	7	75	32	60	58	78	94

The colours refer to the quartile in which each result lies:

Red = result equal to or below lower quartile for that indicator

Amber = result above lower quartile but below upper quartile for that indicator

Green = result equal to or above upper quartile for that indicator

Fig 1. Box and whisker plot

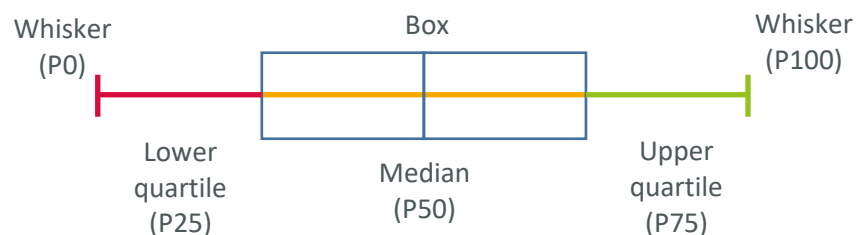


Table 2. Unadjusted benchmarking of key indicators for participating hospitals in England and Wales

Hospital/unit name (N)	Trust / health board name	Length of stay (days)	Oxygen prescribed to those patients who required it		Patient requiring acute treatment with NIV received it within 2 hours of arrival		Spirometry result available		Current smoker referred to behavioural change intervention and/or prescribed a stop smoking drug		Patient received respiratory review within 24 hours of admission		Discharge bundle completed for the admission		
			N	%	N	%	N	%	N	%	N	%	N	%	
National medians			4	49,931	61%	1,999	24%	37,846	44%	13,648	40%	54,445	66%	58,478	81%
England															
Addenbrooke's Hospital (N=860)	Cambridge University Hospitals NHS Foundation Trust	4	755	88%	25	29%	453	53%	100	35%	708	82%	838	100%	
Airedale General Hospital (N=277)	Airedale NHS Foundation Trust	4	138	50%	6	24%	196	71%	27	21%	179	65%	199	74%	
Arrowe Park Hospital (N=886)	Wirral University Teaching Hospital NHS Foundation Trust	3	482	54%	<5	N/A	608	69%	271	83%	776	88%	749	90%	
Barnet General Hospital (N=290)	Royal Free London NHS Foundation Trust	5	153	53%	10	32%	105	36%	63	62%	180	62%	206	75%	
Barnsley District General Hospital (N=909)	Barnsley Hospital NHS Foundation Trust	3	726	80%	13	27%	348	38%	46	13%	781	86%	754	84%	
Basildon Hospital (N=731)	Basildon and Thurrock University	5	698	95%	19	18%	270	37%	53	21%	619	85%	671	96%	

National Asthma and COPD Audit Programme: COPD clinical audit (Benchmarking key indicators) 2018/19

Hospital/unit name (N)	Trust / health board name	Length of stay (days)	Oxygen prescribed to those patients who required it	Patient requiring acute treatment with NIV received it within 2 hours of arrival	Spirometry result available	Current smoker referred to behavioural change intervention and/or prescribed a stop smoking drug	Patient received respiratory review within 24 hours of admission	Discharge bundle completed for the admission
	Hospitals NHS Foundation Trust							
Basingstoke and North Hampshire Hospital (N=262)	Hampshire Hospitals NHS Foundation Trust	6	134 51%	6 15%	28 11%	92 78%	190 73%	242 96%
Bassetlaw District General Hospital (N=277)	Doncaster And Bassetlaw Teaching Hospitals NHS Foundation Trust	3	151 55%	6 17%	132 48%	28 33%	262 95%	220 85%
Bedford Hospital (N=373)	Bedford Hospital NHS Trust	3	142 38%	10 31%	40 11%	47 33%	263 71%	276 77%
Birmingham City Hospital (N=397)	Sandwell and West Birmingham Hospitals NHS Trust	3	193 49%	7 24%	212 53%	73 41%	327 82%	367 94%
Birmingham Heartlands Hospital (N=507)	University Hospitals Birmingham NHS Foundation Trust	4	187 37%	18 21%	307 61%	116 50%	408 80%	431 89%
Bradford Royal Infirmary (N=1,175)	Bradford Teaching Hospitals NHS Foundation Trust	2	545 46%	13 9%	240 20%	137 22%	381 32%	364 32%
Bristol Royal Infirmary (N=1,175)	University Hospitals Bristol NHS Foundation Trust	3	204 38%	13 33%	254 47%	68 31%	410 75%	450 86%

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Hospital/unit name (N)	Trust / health board name	Length of stay (days)	Oxygen prescribed to those patients who required it		Patient requiring acute treatment with NIV received it within 2 hours of arrival		Spirometry result available		Current smoker referred to behavioural change intervention and/or prescribed a stop smoking drug		Patient received respiratory review within 24 hours of admission		Discharge bundle completed for the admission	
Calderdale Royal Hospital (N=376)	Calderdale and Huddersfield NHS Foundation Trust	2	210	56%	13	25%	312	83%	133	84%	351	93%	359	100%
Charing Cross Hospital (N=231)	Imperial College Healthcare NHS Trust	5	143	62%	14	31%	174	75%	41	40%	152	66%	219	96%
Chelsea and Westminster Hospital (N=253)	Chelsea And Westminster Hospital NHS Foundation Trust	3	69	27%	9	29%	11	4%	38	41%	155	61%	201	81%
Cheltenham General Hospital (N=62)	Gloucestershire Hospitals NHS Foundation Trust	5	46	74%	<5	N/A	10	16%	8	32%	41	66%	35	60%
Chesterfield Royal (N=458)	Chesterfield Royal Hospital NHS Foundation Trust	3	111	24%	17	38%	33	7%	97	58%	284	62%	397	88%
Chorley Hospital (N=295)	Lancashire Teaching Hospitals NHS Foundation Trust	4	159	54%	<5	N/A	130	44%	56	55%	50	17%	10	4%
Colchester General Hospital (N=762)	East Suffolk and North Essex NHS Foundation Trust	3	733	96%	24	33%	94	12%	51	15%	298	39%	412	59%
Conquest Hospital (N=228)	East Sussex Healthcare NHS Trust	4	151	66%	<5	50%	42	18%	19	33%	213	93%	223	99%

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Countess of Chester Hospital (N=239)	Countess of Chester Hospital NHS Foundation Trust	7	100	42%	5	10%	126	53%	29	32%	53	22%	110	50%
County Hospital (Stafford) (N=146)	University Hospitals of North Midlands NHS Trust	3	132	90%	<5	N/A	67	46%	16	42%	97	66%	140	99%
County Hospital Hereford (N=52)	Wye Valley NHS Trust	5	49	94%	<5	N/A	30	58%	10	53%	17	33%	40	80%
Croydon University Hospital (N=369)	Croydon Health Services NHS Trust	3	90	24%	11	35%	56	15%	69	40%	260	70%	276	78%
Cumberland Infirmary (N=138)	North Cumbria Integrated Care NHS Foundation Trust	5	134	97%	9	35%	28	20%	33	57%	69	50%	74	56%
Darent Valley Hospital (N=537)	Dartford and Gravesham NHS Trust	7	357	66%	14	18%	128	24%	66	32%	192	36%	410	81%
Darlington Memorial Hospital (N=653)	County Durham and Darlington NHS Foundation Trust	4	232	36%	25	23%	250	38%	155	57%	465	71%	584	91%
Derriford Hospital (N=652)	University Hospitals Plymouth NHS Trust	5	518	79%	11	23%	260	40%	97	36%	348	53%	453	72%

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Diana, Princess of Wales Hospital (N=328)	Northern Lincolnshire and Goole NHS Foundation Trust	7	236	72%	10	25%	128	39%	32	28%	88	27%	261	85%
Doncaster Royal Infirmary (N=632)	Doncaster And Bassetlaw Teaching Hospitals NHS Foundation Trust	4	459	73%	31	33%	352	56%	130	60%	573	91%	582	97%
Dorset County Hospital (N=191)	Dorset County Hospital NHS Foundation Trust	3	149	78%	6	26%	44	23%	19	39%	122	64%	55	31%
Ealing Hospital (N=412)	London North West University Healthcare NHS Trust	6	346	84%	19	31%	224	54%	91	61%	283	69%	373	98%
East Surrey Hospital (N=202)	Surrey and Sussex Healthcare NHS Trust	5	119	59%	6	25%	30	15%	34	36%	89	44%	124	63%
Eastbourne DGH (N=243)	East Sussex Healthcare NHS Trust	5	182	75%	<5	N/A	109	45%	20	29%	232	95%	229	99%
Epsom Hospital (N=193)	Epsom and St Helier University Hospitals NHS Trust	4	105	54%	<5	N/A	78	40%	32	59%	149	77%	156	91%
Fairfield General Hospital (N=810)	Pennine Acute Hospitals NHS Trust	1	299	37%	23	51%	193	24%	<5	N/A	199	25%	253	32%

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			Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Friarage Hospital (N=33)	South Tees Hospitals NHS Foundation Trust	2	16	48%	<5	N/A	11	33%	<5	N/A	20	61%	27	82%
Frimley Park Hospital (N=385)	Frimley Health NHS Foundation Trust	3	206	54%	8	24%	42	11%	59	37%	251	65%	263	69%
Furness General (N=393)	University Hospitals of Morecambe Bay NHS Foundation Trust	6	59	15%	11	21%	180	46%	30	23%	262	67%	339	93%
George Eliot Hospital (N=290)	George Eliot Hospital NHS Trust	5	191	66%	<5	N/A	140	48%	31	35%	176	61%	266	97%
Glenfield Hospital (N=1,006)	University Hospitals of Leicester NHS Trust	4	702	70%	21	30%	816	81%	314	76%	974	97%	871	87%
Gloucestershire Royal Hospital (N=159)	Gloucestershire Hospitals NHS Foundation Trust	5	129	81%	<5	N/A	11	7%	27	39%	107	67%	118	76%
Good Hope General Hospital (N=420)	University Hospitals Birmingham NHS Foundation Trust	4	105	25%	15	23%	215	51%	36	28%	266	63%	269	66%
Grantham And District General Hospital (N=147)	United Lincolnshire Hospitals NHS Trust	5	76	52%	<5	N/A	29	20%	29	52%	115	78%	138	98%

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			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Harrogate District Hospital (N=92)	Harrogate and District NHS Foundation Trust	3	72	78%	5	31%	22	24%	<5	N/A	67	73%	66	74%
Hillingdon Hospital (N=294)	The Hillingdon Hospitals NHS Foundation Trust	4	209	71%	9	20%	199	68%	65	63%	220	75%	235	81%
Hinchingbrooke Hospital (N=392)	North West Anglia NHS Foundation Trust	2	149	38%	5	19%	88	22%	31	19%	162	41%	175	47%
Homerton Hospital (N=310)	Homerton University Hospital NHS Foundation Trust	3	181	58%	7	32%	182	59%	78	56%	124	40%	192	64%
Horton General Hospital (N=226)	Oxford University Hospitals NHS Foundation Trust	3	105	46%	5	31%	118	52%	30	33%	154	68%	211	97%
Hull Royal Infirmary (N=1,242)	Hull University Teaching Hospitals NHS Trust	2	490	39%	8	6%	69	6%	127	26%	1002	81%	835	71%
James Cook University Hospital (N=600)	South Tees Hospitals NHS Foundation Trust	3	417	70%	22	26%	88	15%	86	30%	502	84%	573	99%
James Paget Hospital (N=374)	James Paget University Hospitals NHS Foundation Trust	5	269	72%	8	20%	218	58%	23	21%	130	35%	220	59%

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			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
John Radcliffe Hospital (N=660)	Oxford University Hospitals NHS Foundation Trust	3	401	61%	32	33%	467	71%	95	45%	493	75%	589	95%
Kettering General Hospital (N=545)	Kettering General Hospital NHS Foundation Trust	4	472	87%	18	25%	184	34%	49	23%	312	57%	355	67%
King George Hospital (N=361)	Barking, Havering and Redbridge University Hospitals NHS Trust	4	253	70%	8	24%	135	37%	81	63%	194	54%	252	75%
King's College Hospital (N=162)	King's College Hospital NHS Foundation Trust	3	82	51%	8	36%	142	88%	44	59%	126	78%	148	93%
Kings Mill Hospital (N=619)	Sherwood Forest Hospitals NHS Foundation Trust	4	415	67%	30	35%	148	24%	165	73%	440	71%	512	85%
Kingston Hospital (N=363)	Kingston Hospital NHS Foundation Trust	4	261	72%	15	43%	145	40%	55	47%	248	68%	247	74%
Leicester Royal Infirmary (N=95)	University Hospitals of Leicester NHS Trust	4	70	74%	<5	N/A	5	5%	<5	N/A	6	6%	<5	N/A
Leighton Hospital (N=211)	Mid Cheshire Hospitals NHS Foundation Trust	3	122	58%	<5	N/A	68	32%	33	35%	125	59%	<5	N/A
Lincoln County Hospital (N=497)	United Lincolnshire Hospitals NHS Trust	3	311	63%	<5	N/A	199	40%	72	40%	331	67%	399	85%

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Lister Hospital (N=734)	East and North Hertfordshire NHS Trust	4	667	91%	22	40%	324	44%	112	56%	696	95%	698	100%
Luton and Dunstable Hospital (N=681)	Luton and Dunstable University Hospital NHS Foundation Trust	5	273	40%	6	18%	354	52%	74	31%	605	89%	640	100%
Lymington New Forest Hospital (N=69)	Southern Health NHS Foundation Trust	4	57	83%	<5	N/A	35	51%	8	53%	41	59%	23	35%
Macclesfield District General Hospital (N=224)	East Cheshire NHS Trust	4	188	84%	<5	N/A	127	57%	54	71%	162	72%	139	67%
Maidstone General Hospital (N=355)	Maidstone and Tunbridge Wells NHS Trust	6	335	94%	18	34%	253	71%	57	79%	219	62%	339	99%
Manchester Royal Infirmary (N=680)	Manchester University NHS Foundation Trust	5	389	57%	30	44%	381	56%	205	55%	529	78%	618	95%
Manor Hospital (N=924)	Walsall Healthcare NHS Trust	4	54	6%	<5	N/A	614	66%	91	27%	622	67%	819	92%
Medway Maritime Hospital (N=634)	Medway NHS Foundation Trust	5	408	64%	41	44%	47	7%	53	28%	312	49%	537	88%
Milton Keynes General Hospital (N=488)	Milton Keynes University Hospital	5	<5	N/A	7	19%	140	29%	219	72%	326	67%	434	93%

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	NHS Foundation Trust													
Musgrove Park Hospital (N=397)	Taunton and Somerset NHS Foundation Trust	4	115	29%	10	40%	266	67%	87	65%	191	48%	291	75%
New Cross Hospital (N=410)	The Royal Wolverhampton NHS Trust	3	209	51%	15	38%	266	65%	38	26%	346	84%	343	87%
Norfolk and Norwich Hospital (N=593)	Norfolk and Norwich University Hospitals NHS Foundation Trust	3	388	65%	<5	N/A	273	46%	135	58%	436	74%	426	74%
North Devon District Hospital (N=140)	Northern Devon Healthcare NHS Trust	4	99	71%	<5	N/A	20	14%	28	55%	82	59%	87	63%
North Manchester General Hospital (N=519)	Pennine Acute Hospitals NHS Trust	2	204	39%	10	19%	208	40%	89	34%	260	50%	180	36%
North Middlesex Hospital (N=73)	North Middlesex University Hospital NHS Trust	3	40	55%	<5	33%	<5	N/A	<5	N/A	5	7%	22	31%
Northampton General Hospital (N=667)	Northampton General Hospital NHS Trust	4	249	37%	18	25%	265	40%	34	15%	484	73%	543	86%
Northern General Hospital (N=1,094)	Sheffield Teaching Hospitals NHS Foundation Trust	4	733	67%	25	33%	630	58%	181	39%	1040	95%	1003	95%

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Northumbria Specialist Emergency Care Hospital (N=454)	Northumbria Healthcare NHS Foundation Trust	3	299	66%	14	40%	185	41%	64	43%	428	94%	445	100%
Northwick Park Hospital (N=543)	London North West University Healthcare NHS Trust	6	398	73%	23	31%	225	41%	43	28%	283	52%	433	83%
Nottingham City Hospital (N=1,242)	Nottingham University Hospitals NHS Trust	3	1117	90%	7	9%	486	39%	234	42%	966	78%	969	81%
Peterborough City Hospital (N=809)	North West Anglia NHS Foundation Trust	3	288	36%	9	20%	377	47%	29	7%	198	24%	100	13%
Pilgrim Hospital (N=414)	United Lincolnshire Hospitals NHS Trust	4	169	41%	<5	N/A	173	42%	36	24%	235	57%	294	74%
Pinderfields General Hospital (N=1,515)	Mid Yorkshire Hospitals NHS Trust	4	1282	85%	67	24%	970	64%	214	30%	1333	88%	1265	87%
Poole General Hospital (N=460)	Poole Hospital NHS Foundation Trust	4	224	49%	10	34%	344	75%	29	20%	422	92%	403	93%
Princess Alexandra Hospital (N=221)	The Princess Alexandra Hospital NHS Trust	5	119	54%	<5	N/A	148	67%	27	38%	175	79%	210	98%
Princess Royal Hospital	Brighton and Sussex University Hospitals NHS Trust	3	15	47%	<5	N/A	<5	N/A	<5	N/A	6	19%	<5	N/A

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(Haywards Heath) (N=32)														
Princess Royal Hospital, Telford (N=132)	Shrewsbury and Telford Hospital NHS Trust	4	64	48%	<5	N/A	20	15%	<5	N/A	67	51%	72	56%
Princess Royal University Hospital (Bromley) (N=299)	King's College Hospital NHS Foundation Trust	5	247	83%	<5	N/A	17	6%	17	21%	109	36%	280	98%
Queen Alexandra Hospital (N=1,125)	Portsmouth Hospitals NHS Trust	4	955	85%	36	30%	770	68%	359	87%	979	87%	1079	100%
Queen Elizabeth Hospital, Edgbaston (N=1,116)	University Hospitals Birmingham NHS Foundation Trust	5	921	83%	7	8%	642	58%	223	40%	803	72%	960	88%

Queen Elizabeth Hospital, Gateshead (N=1,101)	Gateshead Health NHS Foundation Trust	4	450	41%	9	16%	<5	N/A	<5	N/A	876	80%	931	87%
Queen Elizabeth Hospital, King's Lynn (N=322)	The Queen Elizabeth Hospital, King's Lynn, NHS Foundation Trust	3	287	89%	14	35%	21	7%	30	31%	55	17%	44	14%

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Queen Elizabeth the Queen Mother Hospital (N=518)	East Kent Hospitals University NHS Foundation Trust	4	314	61%	41	38%	298	58%	95	49%	395	76%	444	89%
Queens Hospital (N=518)	University Hospitals of Derby and Burton NHS Foundation Trust	4	160	31%	6	14%	124	24%	63	44%	420	81%	465	95%
Queens Hospital Romford (N=669)	Barking, Havering and Redbridge University Hospitals NHS Trust	5	541	81%	37	35%	292	44%	176	78%	459	69%	554	88%
Rotherham General Hospital (N=120)	The Rotherham NHS Foundation Trust	2	95	79%	<5	N/A	17	14%	10	26%	52	43%	12	10%
Royal Albert Edward Infirmary (N=339)	Wrightington, Wigan and Leigh NHS Foundation Trust	2	173	51%	<5	N/A	13	4%	20	14%	160	47%	34	11%
Royal Berkshire Hospital (N=685)	Royal Berkshire NHS Foundation Trust	4	262	38%	15	24%	408	60%	90	40%	468	68%	535	83%
Royal Blackburn Hospital (N=1,090)	East Lancashire Hospitals NHS Trust	2	654	60%	20	17%	870	80%	288	59%	722	66%	721	70%
Royal Bolton Hospital (N=105)	Bolton NHS Foundation Trust	3	73	70%	<5	N/A	36	34%	5	9%	56	53%	11	11%
Royal Bournemouth General Hospital (N=633)	The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	4	522	82%	15	21%	599	95%	98	40%	409	65%	508	85%
Royal Cornwall Hospital (N=482)	Royal Cornwall Hospitals NHS Trust	3	406	84%	7	23%	210	44%	58	31%	177	37%	6	1%

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Royal Derby Hospital (N=1,034)	University Hospitals of Derby and Burton NHS Foundation Trust	3	921	89%	11	24%	565	55%	103	27%	847	82%	889	88%
Royal Devon & Exeter Hospital (N=331)	Royal Devon and Exeter NHS Foundation Trust	5	229	69%	<5	N/A	41	12%	90	90%	272	82%	304	99%
Royal Free Hospital (N=103)	Royal Free London NHS Foundation Trust	5	84	82%	<5	N/A	68	66%	12	36%	63	61%	73	74%
Royal Hampshire County Hospital (N=309)	Hampshire Hospitals NHS Foundation Trust	6	111	36%	10	28%	7	2%	50	54%	228	74%	291	98%
Royal Lancaster Infirmary (N=293)	University Hospitals of Morecambe Bay NHS Foundation Trust	3	35	12%	13	31%	220	75%	79	55%	213	73%	222	81%
Royal Liverpool University Hospital (N=746)	Liverpool University Hospitals NHS Foundation Trust	5	363	49%	<5	N/A	439	59%	195	62%	471	63%	552	78%
Royal London Hospital (N=150)	Barts Health NHS Trust	4	100	67%	<5	N/A	128	85%	18	27%	109	73%	51	35%
Royal Oldham Hospital (N=617)	Pennine Acute Hospitals NHS Trust	3	352	57%	<5	N/A	307	50%	51	16%	260	42%	432	72%
Royal Preston Hospital (N=488)	Lancashire Teaching Hospitals NHS Foundation Trust	4	238	49%	17	24%	210	43%	111	54%	123	25%	52	11%
Royal Stoke University Hospital (N=889)	University Hospitals of North Midlands NHS Trust	4	813	91%	9	10%	566	64%	164	53%	830	93%	773	90%

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Royal Surrey County Hospital (N=279)	Royal Surrey County Hospital NHS Foundation Trust	4	126	45%	<5	N/A	84	30%	53	52%	213	76%	223	83%
Royal Sussex County Hospital (N=199)	Brighton and Sussex University Hospitals NHS Trust	4	161	81%	5	23%	54	27%	51	65%	178	89%	194	99%
Royal United Hospital Bath (N=420)	Royal United Hospitals Bath NHS Foundation Trust	4	321	76%	25	42%	12 2	29%	42	25%	328	78%	374	94%
Royal Victoria Infirmary (N=72)	The Newcastle Upon Tyne Hospitals NHS Foundation Trust	5	8	11%	6	55%	48	67%	9	25%	39	54%	10	14%
Russells Hall Hospital (N=387)	The Dudley Group NHS Foundation Trust	2	170	44%	6	27%	348	90%	39	27%	279	72%	258	68%
Salford Royal Hospital (N=553)	Salford Royal NHS Foundation Trust	3	513	93%	12	29%	347	63%	183	68%	438	79%	388	73%
Salisbury District Hospital (N=274)	Salisbury NHS Foundation Trust	5	236	86%	5	38%	157	57%	53	62%	172	63%	257	98%
Sandwell District Hospital (N=685)	Sandwell and West Birmingham Hospitals NHS Trust	2	230	34%	5	12%	349	51%	80	37%	492	72%	623	95%
Scarborough General Hospital (N=486)	York Teaching Hospital NHS Foundation Trust	5	223	46%	6	19%	351	72%	7	5%	307	63%	428	94%
Scunthorpe General Hospital (N=568)	Northern Lincolnshire and Goole NHS Foundation Trust	5	396	70%	15	30%	321	57%	48	23%	268	47%	426	81%
Solihull General Hospital (N=232)	University Hospitals Birmingham NHS Foundation Trust	4	101	44%	5	38%	121	52%	46	75%	183	79%	192	86%

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South Tyneside District Hospital (N=371)	South Tyneside and Sunderland NHS Foundation Trust	4	237	64%	<5	N/A	150	40%	73	44%	278	75%	228	64%
Southampton General Hospital (N=768)	University Hospital Southampton NHS Foundation Trust	4	335	44%	7	13%	417	54%	150	43%	605	79%	634	85%
Southend Hospital (N=774)	Southend University Hospital NHS Foundation Trust	4	416	54%	18	17%	672	87%	114	41%	415	54%	522	70%
Southmead Hospital (N=801)	North Bristol NHS Trust	4	603	75%	19	25%	602	75%	210	71%	689	86%	736	97%
Southport and Formby District General (N=330)	Southport and Ormskirk Hospital NHS Trust	5	168	51%	7	23%	140	42%	18	19%	78	24%	8	3%
St George's Hospital (N=114)	St George's University Hospitals NHS Foundation Trust	5	66	58%	<5	N/A	49	43%	13	30%	59	52%	111	98%
St Helier Hospital (N=238)	Epsom and St Helier University Hospitals NHS Trust	4	106	45%	7	27%	195	82%	42	65%	196	82%	225	100%
St James's University Hospital (N=95)	Leeds Teaching Hospitals NHS Trust	3	67	71%	<5	N/A	63	66%	<5	N/A	82	86%	65	71%
St Mary's Hospital, Newport (N=168)	Isle of Wight NHS Trust	4	118	70%	5	26%	46	27%	26	45%	110	65%	148	96%
St Marys Hospital, Paddington (N=262)	Imperial College Healthcare NHS Trust	4	201	77%	22	45%	170	65%	55	47%	201	77%	239	94%
St Peter's Hospital (N=324)	Ashford and St Peter's Hospitals	4	226	70%	7	14%	11	3%	32	25%	144	44%	56	18%

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	NHS Foundation Trust													
St Richards Hospital (N=336)	Western Sussex Hospitals NHS Foundation Trust	3	262	78%	5	24%	129	38%	62	51%	124	37%	169	52%
St Thomas Hospital (N=509)	Guy's and St Thomas' NHS Foundation Trust	3	208	41%	29	39%	414	81%	172	68%	476	94%	466	98%
Stepping Hill Hospital (N=561)	Stockport NHS Foundation Trust	4	155	28%	17	27%	240	43%	105	40%	242	43%	286	54%
Sunderland Royal Hospital (N=504)	South Tyneside and Sunderland NHS Foundation Trust	4	379	75%	14	20%	304	60%	136	60%	305	61%	166	35%
Tameside General Hospital (N=931)	Tameside And Glossop Integrated Care NHS Foundation Trust	3	558	60%	27	28%	203	22%	49	12%	527	57%	669	76%
The Great Western Hospital (N=667)	Great Western Hospitals NHS Foundation Trust	4	148	22%	24	44%	286	43%	6	3%	458	69%	519	80%
The Ipswich Hospital (N=573)	East Suffolk and North Essex NHS Foundation Trust	4	546	95%	13	34%	394	69%	157	55%	255	45%	367	66%
Torbay Hospital (N=836)	Torbay and South Devon NHS Foundation Trust	2	553	66%	18	30%	380	45%	132	35%	332	40%	98	12%
Tunbridge Wells Hospital (N=401)	Maidstone and Tunbridge Wells NHS Trust	5	370	92%	8	25%	283	71%	72	63%	255	64%	381	99%
University College Hospital (N=183)	University College London Hospitals NHS Foundation Trust	3	86	47%	5	28%	129	70%	26	36%	125	68%	170	94%

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University Hospital Aintree (N=1,001)	Liverpool University Hospitals NHS Foundation Trust	3	613	61%	25	21%	558	56%	306	75%	800	80%	748	77%
University Hospital Coventry (N=560)	University Hospitals Coventry and Warwickshire NHS Trust	5	374	67%	14	19%	434	78%	164	62%	379	68%	392	71%
University Hospital Lewisham (N=187)	Lewisham and Greenwich NHS Trust	5	125	67%	<5	N/A	<5	N/A	13	20%	106	57%	183	98%
University Hospital of North Durham (N=878)	County Durham and Darlington NHS Foundation Trust	3	603	69%	24	20%	441	50%	118	39%	741	84%	816	94%
University Hospital of North Tees (N=1,155)	North Tees and Hartlepool NHS Foundation Trust	3	700	61%	30	24%	259	22%	250	53%	693	60%	742	66%
Victoria Hospital (N=223)	Blackpool Teaching Hospitals NHS Foundation Trust	5	140	63%	6	22%	74	33%	54	50%	62	28%	50	23%
Warrington District General Hospital (N=364)	Warrington and Halton Hospitals NHS Foundation Trust	5	236	65%	<5	N/A	177	49%	116	75%	269	74%	346	99%
Watford General Hospital (N=354)	West Hertfordshire Hospitals NHS Trust	4	152	43%	8	27%	19	5%	59	55%	204	58%	309	90%
West Middlesex University Hospital (N=485)	Chelsea And Westminster Hospital NHS Foundation Trust	4	281	58%	23	31%	307	63%	93	52%	403	83%	433	94%
West Suffolk Hospital (N=142)	West Suffolk NHS Foundation Trust	3	132	93%	<5	N/A	5	4%	<5	N/A	27	19%	<5	N/A

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Weston General Hospital (N=295)	Weston Area Health NHS Trust	4	231	78%	<5	N/A	99	34%	69	60%	179	61%	241	85%
Wexham Park Hospital (N=325)	Frimley Health NHS Foundation Trust	3	217	67%	8	31%	49	15%	89	62%	222	68%	259	82%
Whipps Cross Hospital (N=431)	Barts Health NHS Trust	6	201	47%	21	34%	229	53%	111	93%	275	64%	391	98%
Whiston Hospital (N=680)	St Helens And Knowsley Teaching Hospitals NHS Trust	3	179	26%	7	10%	448	66%	149	43%	436	64%	507	77%
Whittington Hospital (N=180)	Whittington Health NHS Trust	5	176	98%	<5	N/A	99	55%	37	46%	109	61%	122	71%
William Harvey Hospital (N=395)	East Kent Hospitals University NHS Foundation Trust	3	214	54%	31	42%	186	47%	77	46%	250	63%	275	75%
Worcestershire Royal Hospital (N=598)	Worcestershire Acute Hospitals NHS Trust	4	339	57%	9	14%	257	43%	86	37%	413	69%	428	74%
Worthing Hospital (N=238)	Western Sussex Hospitals NHS Foundation Trust	3	132	55%	<5	N/A	80	34%	46	56%	151	63%	171	77%
Wythenshawe Hospital (N=614)	Manchester University NHS Foundation Trust	3	457	74%	8	19%	258	42%	155	58%	545	89%	390	66%
Yeovil District Hospital (N=368)	Yeovil District Hospital NHS Foundation Trust	5	365	99%	13	46%	306	83%	51	72%	292	79%	317	95%
York District Hospital (N=516)	York Teaching Hospital NHS Foundation Trust	4	342	66%	5	10%	377	73%	72	32%	351	68%	448	90%
Scotland														
Dumfries and Galloway Royal Infirmary (N=176)	NHS Dumfries and Galloway	4	64	36%	5	17%	<5	N/A	19	28%	35	20%	37	24%

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Forth Valley Royal Hospital (N=108)	NHS Forth Valley	2	71	66%	7	70%	48	44%	15	23%	83	77%	23	22%
Inverclyde Royal Hospital (N=299)	NHS Greater Glasgow and Clyde	4	244	82%	<5	N/A	185	62%	77	64%	136	45%	133	47%
Ninewells Hospital (N=9)	NHS Tayside	4	9	100%	<5	N/A	6	67%	<5	N/A	9	100%	6	67%
St John's Hospital at Howden (N=19)	NHS Lothian	2	11	58%	<5	N/A	15	79%	5	83%	13	68%	17	100%
Victoria Hospital (Kirkcaldy) (N=16)	NHS Fife	2	12	75%	<5	N/A	7	44%	<5	N/A	16	100%	16	100%
Wales														
Bronglais General Hospital (N=152)	Hywel Dda University Health Board	5	62	41%	10	31%	58	38%	31	50%	106	70%	93	65%
Glan Clwyd Hospital (N=152)	Betsi Cadwaladr University Local Health Board	5	83	55%	<5	N/A	89	59%	39	63%	77	51%	<5	N/A
Glangwili General Hospital (N=86)	Hywel Dda University Health Board	4	48	56%	<5	N/A	27	31%	10	38%	29	34%	29	38%
Llandough Hospital (N=454)	Cardiff & Vale University Local Health Board	4	206	45%	<5	N/A	238	52%	80	40%	153	34%	8	2%
Morrison Hospital (N=402)	Swansea Bay University Local Health Board	5	301	75%	22	25%	64	16%	66	42%	116	29%	23	6%
Nevill Hall Hospital (N=175)	Aneurin Bevan University Local Health Board	5	124	71%	<5	N/A	109	62%	45	65%	89	51%	125	79%
Prince Charles Hospital (N=296)	Cwm Taf Morgannwg	5	116	39%	5	20%	88	30%	55	66%	105	35%	6	2%

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	University Local Health Board													
Prince Philip Hospital (N=157)	Hywel Dda University Local Health Board	2	77	49%	<5	N/A	50	32%	22	29%	46	29%	20	13%
Princess of Wales Hospital (N=280)	Swansea Bay University LHB	4	200	71%	15	33%	88	31%	39	39%	68	24%	<5	N/A
Royal Glamorgan (N=366)	Cwm Taf Morgannwg University Local Health Board	4	229	63%	7	16%	144	39%	79	58%	174	48%	<5	N/A
Royal Gwent Hospital (N=37)	Aneurin Bevan University Local Health Board	5	24	65%	<5	N/A	28	76%	<5	N/A	16	43%	13	38%
Singleton Hospital (N=321)	Swansea Bay University Local Health Board	3	225	70%	<5	N/A	118	37%	57	39%	134	42%	28	9%
University Hospital of Wales (N=348)	Cardiff & Vale University Local Health Board	4	178	51%	21	31%	175	50%	84	53%	154	44%	<5	N/A
Withybush General Hospital (N=24)	Hywel Dda University Local Health Board	4	13	54%	<5	N/A	6	25%	8	73%	9	38%	8	33%
Ysbyty Gwynedd Hospital (N=55)	Betsi Cadwaladr University LHB	6	24	44%	<5	N/A	24	44%	18	90%	19	35%	55	100%
Ysbyty Ystrad Fawr (N=34)	Aneurin Bevan University Local Health Board	8	16	47%	<5	N/A	10	29%	0	0%	2	6%	30	100%

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