

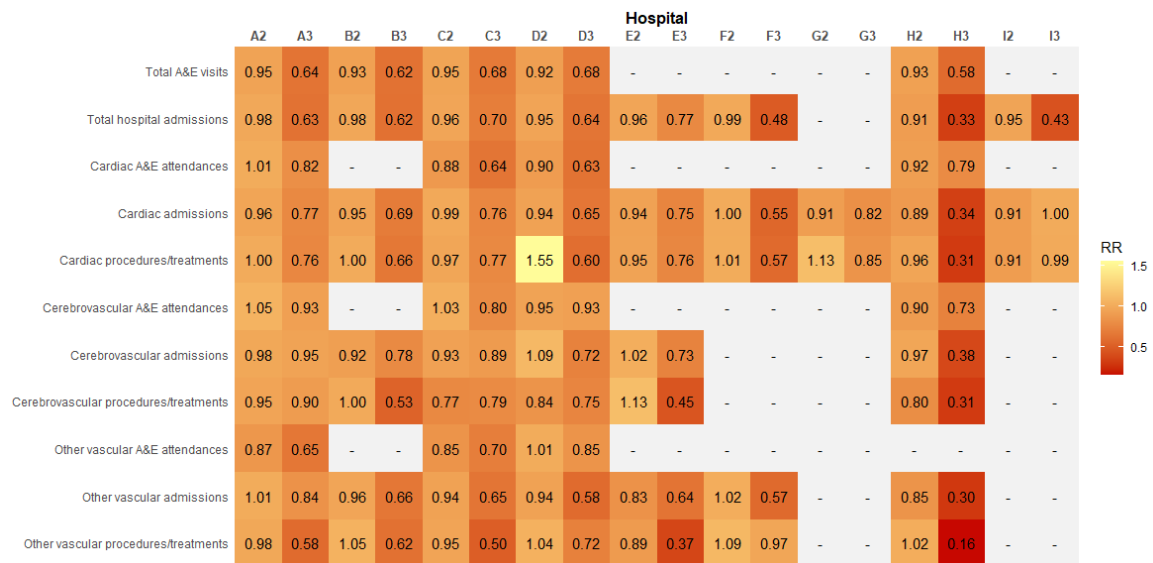
**Supplementary Table 1. Data items in data request form sent to hospitals for weekly counts**

Category	Presentation /diagnosis /treatment /procedure	Suggested A&E Diagnosis /ICD-10 /OPCS-4 codes	Please note if alternative codes/method used
<b>Emergency department visits</b>	Total ED visits		
	Cardiac conditions	A&E Diagnosis code <sup>1</sup> : 20	
	Cerebrovascular conditions	A&E Diagnosis code <sup>1</sup> : 21	
	Other vascular conditions	A&E Diagnosis code <sup>1</sup> : 22	
<b>Hospital admissions</b>	Total admissions		
	Total COVID admissions	ICD-10 <sup>2</sup> : U07.1, U07.2	
	Acute coronary syndromes	ICD-10 <sup>2</sup> : I21, I22, I24	
	Heart failure	ICD-10 <sup>2</sup> : I50	
	Acute stroke/TIA	ICD-10 <sup>2</sup> : I60, I61, I63, I64, G45	
	DVT or PE	ICD-10 <sup>2</sup> : I26, I80	
	Peripheral arterial disease	ICD-10 <sup>2</sup> : I70, I73, I74, I77	
	Aortic aneurysms	ICD-10 <sup>2</sup> : I71	
<b>Hospital treatments/procedures</b>	Percutaneous coronary intervention	OPCS-4 <sup>3</sup> : K49, K50, K75	
	CABG	OPCS-4 <sup>3</sup> : K40-K44	
	Cardiac resynchronisation therapy	OPCS-4 <sup>3</sup> : K59	
	Cardiac pacemaker procedures	OPCS-4 <sup>3</sup> : K60	
	Intravenous thrombolysis for acute ischaemic stroke	OPCS-4 <sup>3</sup> : X83.3 and ICD-10 <sup>2</sup> : I63	
	Mechanical thrombectomy for acute ischaemic stroke	OPCS-4 version 4.9 <sup>3</sup> : L35.4 OR OPCS-4 version 4.8 <sup>3</sup> : L71.2 and Y53 and Z35 and ICD-10 <sup>2</sup> : I63	
	Cerebral aneurysm coiling procedures	OPCS-4 <sup>3</sup> : O01-O04 and Y53 and Z35	
	Carotid endarterectomy / stenting	OPCS-4 <sup>3</sup> : L29.4, L29.5, L31.4	
	Peripheral angioplasty	OPCS-4 <sup>3</sup> : L54-71	
	Limb revascularisation, bypass or amputation	Bypass OPCS-4: L16-65; Amputation OPCS-4: X09, X10, X11; Revascularisation: L48-L54; L56-L63	
	Aortic aneurysm repair	L18-L23; L25-L28	

**Supplementary Table 2. Percentage reduction in hospital admissions and ED attendances during the Christmas and New Year period\***

	<b>% reduction 2018-2019 (95% CI)</b>	<b>% reduction 2019-2020 (95% CI)</b>	<b>% reduction pooled across both years (95% CI)</b>
Hospital admissions	11.2 (10.7-11.8)	13.0 (12.4-13.6)	12.1 (11.7-12.6)
ED attendances	4.0 (3.7-4.4)	8.0 (7.6-8.4)	6.1 (5.8-6.4)

\* comparing the period 16 December 2019 to 12 January 2020 to the immediately preceding period 18 November to 15 December 2019 (and equivalent weeks for the previous year)

**Supplementary Figure 1.** Relative change in hospital activities compared to before first case of COVID-19 across individual hospitals

Hospitals are represented as A to I with affix referring to the phase: 2 = between first case and lockdown; 3 = after lockdown.