

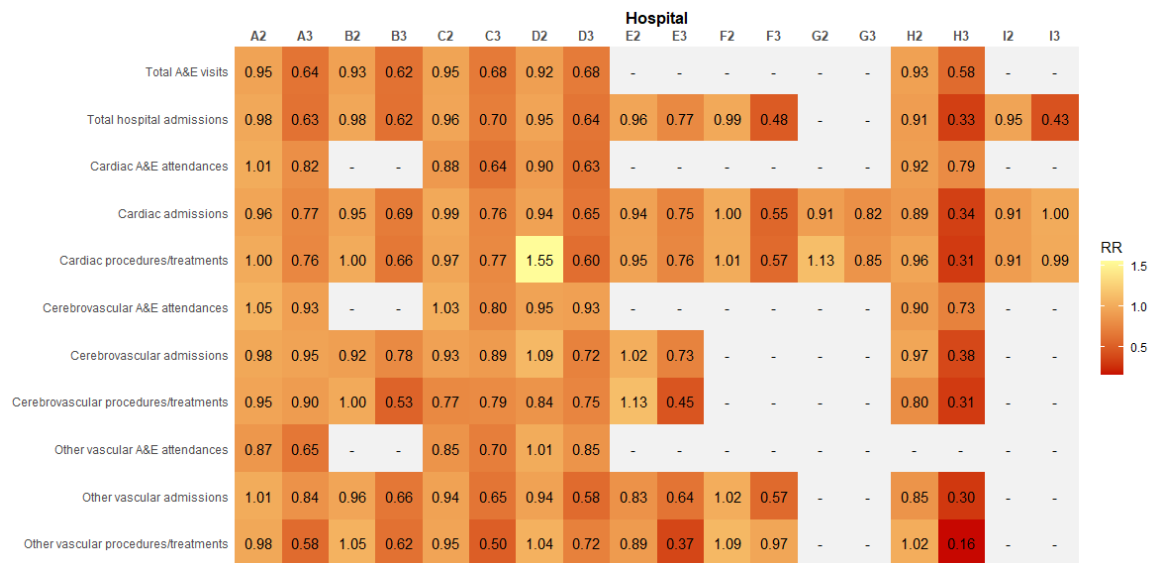
Supplementary Table 1. Data items in data request form sent to hospitals for weekly counts

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

	% reduction 2018-2019 (95% CI)	% reduction 2019-2020 (95% CI)	% reduction pooled across both years (95% CI)
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.