

## SUPPLEMENTARY MATERIAL

Supplementary Table S1. Patient characteristics by type and time period of procedure.

### S1A. Major amputations

	Major amputation			
	Pre-pandemic	Wave 1	Respite	Wave 2/3
n	3,776	1,091	1,102	1,276
Age – y	69 (60-77)	68 (59-77)	68 (59-76)	69 (60-76)
Men	72.9	72.5	72.7	74.2
Diabetes	56.2	57.2	53.4	54.2
COPD	23.2	22.8	23.5	25.7
IHD	39.8	37.1	37.4	37.3
CHF	12.4	12.4	12.0	11.9
CKD	21.3	20.4	21.1	19.0
Current smoker	<b>31.7</b>	<b>32.7</b>	<b>35.2</b>	<b>35.9</b>

### S1B. Elective and non-elective bypass procedures

	Elective bypass				Non-elective bypass			
	Pre-pandemic	Wave 1	Respite	Wave 2/3	Pre-pandemic	Wave 1	Respite	Wave 2/3
n	4,672	639	1,054	1,087	2,901	734	836	1,058
Age – y	69 (62-76)	70 (62-76)	69 (61-75)	70 (62-75)	71 (62-77)	69 (61-77)	69 (60-76)	70 (61-77)
Men	74.5	75.0	77.3	73.1	72.4	73.6	70.5	70.3
Diabetes	33.9	38.0	36.2	34.2	39.3	40.3	40.7	40.5
COPD	24.3	27.5	25.2	25.4	25.4	28.6	27.0	26.3
IHD	34.9	33.3	34.3	31.9	<b>34.9</b>	<b>37.6</b>	<b>35.4</b>	<b>31.0</b>
CHF	5.8	5.5	5.7	5.2	8.0	7.8	8.4	7.3
CKD	9.4	11.4	9.4	10.5	12.2	10.5	12.1	11.2
Current smoker	<b>31.4</b>	<b>36.0</b>	<b>33.3</b>	<b>37.0</b>	<b>40.4</b>	<b>43.9</b>	<b>44.9</b>	<b>45.6</b>

## S1C. Elective and non-elective endovascular procedures

	Elective endovascular				Non-elective endovascular			
	Pre-pandemic	Wave 1	Respite	Wave 2/3	Pre-pandemic	Wave 1	Respite	Wave 2/3
n	7,170	1,178	1,392	1,728	2,918	638	719	969
Age - y	71 (63-78)	72 (63-80)	72 (64-79)	72 (64-79)	72 (64-80)	72 (63-80)	72 (63-80)	71 (63-80)
Men	67.4	68.7	66.8	69.2	67.7	69.1	67.5	67.8
Diabetes	<b>44.1</b>	<b>53.4</b>	<b>48.8</b>	<b>48.3</b>	63.6	65.7	65.9	61.3
COPD	<b>16.8</b>	<b>17.7</b>	<b>19.0</b>	<b>19.6</b>	19.5	18.8	17.5	19.2
IHD	30.3	29.4	33.1	30.9	34.6	30.7	32.4	31.2
CHF	<b>6.5</b>	<b>8.4</b>	<b>8.3</b>	<b>9.8</b>	12.1	12.4	13.5	11.6
CKD	<b>12.5</b>	<b>16.0</b>	<b>17.4</b>	<b>15.6</b>	23.3	27.0	26.8	23.0
Current smoker	26.7	25.6	27.4	26.4	24.9	24.8	21.0	26.0

Data on comorbidities, sex and smoking are presented as percentages, and age as median (interquartile range). COPD: chronic obstructive pulmonary disease; IHD: ischaemic heart disease; CHF: chronic heart failure; CKD: chronic kidney disease.

Figures in bold indicate statistically significant difference between time-periods.

Supplementary Table S2. Complications and re-interventions by type and time period of procedure

S2A. Major amputations

	Major amputation			
	Pre-pandemic	Wave 1	Respite	Wave 2/3
<b>Complications</b>				
Cardiac	5.6	3.8	4.2	4.9
Stroke	0.6	0.5	0.6	0.5
Renal	3.4	2.7	2.5	3.1
Limb ischaemia	3.0	2.0	2.9	3.1
<b>Re-interventions</b>				
Bypass	0.5	0.2	0.4	0.5
Angioplasty	0.7	0.8	1.0	0.5
Major LEA	<b>4.9</b>	<b>2.8</b>	<b>6.2</b>	<b>4.5</b>
Minor LEA	0.2	0.1	0.3	0.1

S2B. Elective and non-elective bypass procedures

	Elective bypass				Non-elective bypass			
	Pre-pandemic	Wave 1	Respite	Wave 2/3	Pre-pandemic	Wave 1	Respite	Wave 2/3
<b>Complications</b>								
Cardiac	2.2	2.5	2.3	2.1	4.9	3.1	4.4	4.5
Stroke	0.3	0.3	0.3	0.5	0.4	1.0	0.7	0.4
Renal	1.2	1.1	0.8	1.0	2.7	2.2	2.2	2.1
Limb ischaemia	2.9	3.8	3.7	4.1	9.0	8.4	8.4	8.6
<b>Re-interventions</b>								
Bypass	<b>1.3</b>	<b>2.0</b>	<b>2.7</b>	<b>2.3</b>	3.4	2.6	3.8	3.0
Angioplasty	1.2	1.1	1.2	2.8	<b>2.0</b>	<b>1.6</b>	<b>2.2</b>	<b>4.0</b>
Major LEA	<b>1.0</b>	<b>2.3</b>	<b>1.3</b>	<b>1.0</b>	7.2	7.5	6.9	5.7
Minor LEA	0.9	1.4	1.6	1.0	4.8	3.8	4.3	4.4

## S2C. Elective and non-elective endovascular procedures

	Elective endovascular				Non-elective endovascular			
	Pre-pandemic	Wave 1	Respite	Wave 2/3	Pre-pandemic	Wave 1	Respite	Wave 2/3
<b>Complications</b>								
Cardiac	0.3	0.6	0.3	0.3	1.5	1.4	1.3	1.9
Stroke	0.0	0.1	0.0	0.1	0.2	0.3	0.3	0.2
Renal	0.2	0.3	0.1	0.1	1.2	0.9	1.4	1.0
Limb ischaemia	0.4	0.4	0.9	0.3	<b>3.3</b>	<b>5.5</b>	<b>4.5</b>	<b>5.3</b>
<b>Re-interventions</b>								
Bypass	0.7	0.3	0.6	1.1	3.5	3.0	3.6	4.0
Angioplasty	1.1	1.5	1.9	1.1	4.3	6.1	4.3	3.6
Major LEA	0.5	0.8	0.9	0.5	6.0	6.9	5.7	6.0
Minor LEA	0.7	1.4	0.9	0.8	6.8	6.6	5.6	7.1

Data are presented as percentages. LEA: lower extremity amputation.

Figures in bold indicate statistically significant differences between time-periods.

Supplementary Table S3. Adjusted odds ratio for in-hospital mortality based on multivariable logistic regression models

	Model 1	Model 2	Model 3	Model 4
<b>Time period of procedure</b>				
Pre-pandemic	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Wave 1	1.45 (1.23, 1.72)	1.16 (0.97, 1.38)	1.19 (1.00, 1.41)	0.94 (0.78, 1.13)
Respite	1.32 (1.12, 1.55)	1.15 (0.97, 1.36)	1.18 (0.99, 1.39)	1.04 (0.88, 1.23)
Wave 2/3	1.61 (1.39, 1.86)	1.38 (1.19, 1.59)	1.43 (1.23, 1.66)	1.06 (0.90, 1.24)
<b>SARS-CoV-2 infection</b>				5.88 (4.80, 7.21)
<b>Procedure type</b>				
Elective endovascular		1.00 (reference)	1.00 (reference)	1.00 (reference)
Amputation		8.96 (6.82, 11.89)	8.51 (6.47, 11.19)	7.23 (5.48, 9.53)
Elective bypass		1.69 (1.22, 2.36)	1.73 (1.24, 2.40)	1.64 (1.18, 2.29)
Non-elective bypass		4.64 (3.45, 6.23)	4.55 (3.38, 6.11)	4.10 (3.04, 5.52)
Non-elective endovascular		5.59 (4.26, 7.34)	5.21 (3.96, 6.83)	4.81 (3.66, 6.32)
<b>General anaesthetic</b>		1.13 (0.98, 1.31)	1.32 (1.14, 1.53)	1.35 (1.17, 1.58)
<b>Indication for surgery</b>				
CLI Fontaine I/II		1.00 (reference)	1.00 (reference)	1.00 (reference)
CLI Fontaine III/IV		2.66 (1.83, 3.87)	2.17 (1.49, 3.17)	2.23 (1.53, 3.25)
Infection		2.84 (1.87, 4.31)	2.58 (1.70, 3.93)	2.65 (1.74, 4.05)
Acute limb ischaemia		4.81 (3.25, 7.12)	4.41 (2.98, 6.52)	4.33 (2.92, 6.42)
Trauma		2.95 (1.40, 6.21)	3.79 (1.79, 8.01)	3.83 (1.79, 8.18)
Aneurysm		1.99 (1.13, 3.51)	1.73 (0.98, 3.06)	1.77 (1.00, 3.13)
<b>Patient characteristics and comorbidities</b>				
Age (5-year interval)			1.15 (1.12, 1.19)	1.15 (1.12, 1.18)
Female			1.10 (0.97, 1.24)	1.10 (0.97, 1.25)
Diabetes mellitus			1.01 (0.89, 1.14)	1.00 (0.88, 1.13)
COPD			1.24 (1.09, 1.41)	1.23 (1.07, 1.40)
IHD			1.22 (1.08, 1.38)	1.27 (1.12, 1.44)
CHF			1.33 (1.13, 1.57)	1.35 (1.14, 1.59)
CKD			2.10 (1.84, 2.39)	2.07 (1.82, 2.36)

Data are presented as adjusted odds ratio (95% confidence interval). CLI: chronic limb ischaemia; COPD: chronic obstructive pulmonary disease; IHD: ischaemic heart disease; CHF: chronic heart failure; CKD: chronic kidney disease

Supplementary Figure S1. Figure demonstrating the time from admission to procedure (A) and length of stay (B) in days as median and interquartile range, by type and time period of procedure

