

Supplementary Table 4. Baseline characteristics and surgical variables

	No preoperative COVID-19 (n = 747,506)	Preoperative COVID-19 infection (by timing of diagnosis prior to surgery)		
		0–4 weeks (n = 352)	5–8 weeks (n = 474)	> 8 weeks (n = 1,843)
Age, years				
Mean (SD)	55 (18.4)	53.3 (18.4)	53.8 (18.0)	53.5 (16.9)
0–49	249,713 (33.4)	135 (38.4)	173 (36.5)	660 (35.8)
50–69	333,015 (44.6)	148 (42.0)	209 (44.1)	897 (48.7)
≥ 70	164,778 (22.0)	69 (19.6)	92 (19.4)	286 (15.5)
Sex				
Female	409,755 (54.8)	172 (48.9)	245 (51.7)	1,017 (55.2)
Male	337,751 (45.2)	180 (51.1)	229 (48.3)	826 (44.8)
Comorbidity				
Congestive heart failure	46,486 (6.2)	21 (6.0)	43 (9.1)	122 (6.6)
Dementia	36,359 (4.9)	17 (4.8)	20 (4.2)	88 (4.8)
Chronic pulmonary disease	142,732 (19.1)	63 (17.9)	118 (24.9)	493 (26.7)
Rheumatologic disease	31,859 (4.3)	22 (6.3)	19 (4.0)	83 (4.5)
Mild liver disease	195,275 (26.1)	103 (29.3)	167 (35.2)	565 (30.7)
Diabetes with chronic complications	195,931 (26.2)	95 (27.0)	136 (28.7)	556 (30.2)
Hemiplegia or paraplegia	5,756 (0.8)	2 (0.6)	3 (0.6)	17 (0.9)
Renal disease	22,242 (3.0)	15 (4.3)	11 (2.3)	67 (3.6)
Any malignancy, including leukemia and lymphoma	186,125 (24.9)	70 (19.9)	140 (29.5)	456 (24.7)
Moderate or severe liver disease	2,463 (0.3)	2 (0.6)	2 (0.4)	6 (0.3)
Metastatic solid tumor	18,575 (2.5)	11 (3.1)	15 (3.2)	47 (2.6)
AIDS/HIV	330 (0.0)	0 (0)	1 (0.2)	3 (0.2)
Updated Charlson comorbidity index score				
0–3	714,378 (95.6)	336 (95.5)	445 (93.9)	1,767 (95.9)
4–5	23,470 (3.1)	13 (3.7)	23 (4.9)	53 (2.9)
≥ 6	9,658 (1.3)	3 (0.9)	6 (1.3)	23 (1.2)

Vaccination				
Not vaccinated	480,623 (64.3)	176 (50.0)	279 (58.9)	845 (45.8)
Not fully vaccinated	56,245 (7.5)	33 (9.4)	43 (9.1)	203 (11.0)
Fully vaccinated	210,638 (28.2)	143 (40.6)	152 (32.1)	795 (43.1)
Department of procedure				
Internal medicine	1,637 (0.2)	3 (0.9)	1 (0.2)	0 (0)
Urology	32,462 (4.3)	15 (4.3)	30 (6.3)	80 (4.3)
Obstetric gynecology	53,920 (7.2)	41 (11.6)	38 (8.0)	188 (10.2)
Plastic surgery	5,344 (0.7)	4 (1.1)	3 (0.6)	11 (0.6)
Brain surgery	28,393 (3.8)	10 (2.8)	12 (2.5)	55 (3.0)
Ophthalmology	25,417 (3.4)	8 (2.3)	16 (3.4)	64 (3.5)
Radiology	2,654 (0.4)	5 (1.4)	4 (0.8)	9 (0.5)
General surgery	310,320 (41.5)	169 (48.0)	207 (43.7)	799 (43.4)
Otorhinolaryngology	36,275 (4.9)	4 (1.1)	17 (3.6)	104 (5.6)
Orthopedic surgery (except spine surgery)	96,953 (13.0)	41 (11.6)	52 (11.0)	201 (10.9)
Spine surgery	118,802 (15.9)	38 (10.8)	63 (13.3)	214 (11.6)
Thoracic and cardiovascular surgery	35,329 (4.7)	14 (4.0)	31 (6.5)	118 (6.4)
Urgency of procedure				
Elective	740,190 (99.0)	348 (98.9)	470 (99.2)	1,825 (99.0)
Emergency	7,316 (1.0)	4 (1.1)	4 (0.8)	18 (1.0)
Relative work unit				
First quartile (very low-risk surgery)	171,104 (22.9)	110 (31.3)	107 (22.6)	494 (26.8)
Second quartile (low-risk surgery)	202,284 (27.1)	93 (26.4)	107 (22.6)	444 (24.1)
Third quartile (intermediate-risk surgery)	187,103 (25.0)	76 (21.6)	132 (27.8)	469 (25.4)
Fourth quartile (high-risk surgery)	187,015 (25.0)	73 (20.7)	128 (27.0)	436 (23.7)
Income level at the index procedure				
First quartile (lowest)	209,989 (28.1)	101 (28.7)	143 (30.2)	512 (27.8)
Second quartile	178,516 (23.9)	92 (26.1)	115 (24.3)	445 (24.1)
Third quartile	200,120 (26.8)	109 (31.0)	134 (28.3)	484 (26.3)
Fourth quartile (highest)	158,881 (21.3)	50 (14.2)	82 (17.3)	402 (21.8)
Residence level at the index procedure				

Capital city	134,248 (18.0)	126 (35.8)	170 (35.9)	633 (34.3)
Metropolitan city	185,878 (24.9)	90 (25.6)	148 (31.2)	534 (29.0)
Other areas	427,380 (57.2)	136 (38.6)	156 (32.9)	676 (36.7)

Values are expressed as the mean (standard deviation) or number (%). AIDS: acquired immune deficiency syndrome, HIV: human immunodeficiency virus.