

SUPPLEMENTAL MATERIAL

Table S1: Variables used in the matching procedure according to wave and ceiling of care

	No ceiling of care				Ceiling of care			
	Wave 1 (Mar-Apr 2020)	Wave 2 (Oct-Nov 2020)	Wave 3 (Jan-Feb 2021)	Wave 4 (July-Aug 2021)	Wave 1 (Mar-Apr 2020)	Wave 2 (Oct-Nov 2020)	Wave 3 (Jan-Feb 2021)	Wave 4 (July-Aug 2021)
	N = 2076	N = 611	N = 605	N = 690	N = 1330	N = 175	N = 163	N = 163
Long-term facility								
Yes	64 (3.1%)	19 (3.1%)	17 (2.8%)	4 (0.6%)	223 (17%)	20 (11%)	20 (12%)	15 (9.2%)
BMI	28.9 (25.9, 32.2)	29.2 (26.4, 32.6)	29.4 (26.6, 32.9)	29.7 (26.4, 33.6)	28.1 (25.4, 31.3)	28.7 (25.8, 31.5)	29.3 (26.0, 31.5)	27.6 (24.8, 31.8)
Unknown	636	103	72	177	456	22	19	17
PCC/MACA								
PCC/MACA	93 (4.5%)	32 (5.2%)	15 (2.5%)	9 (1.3%)	290 (22%)	80 (46%)	47 (29%)	57 (35%)
Diabetes mellitus								
Yes	418 (20%)	124 (20%)	126 (21%)	96 (14%)	414 (31%)	61 (35%)	54 (33%)	59 (36%)
COPD								
Yes	274 (13%)	108 (18%)	119 (20%)	110 (16%)	325 (24%)	54 (31%)	49 (30%)	60 (37%)
Heart failure								
Yes	50 (2.4%)	18 (2.9%)	27 (4.5%)	25 (3.6%)	194 (15%)	37 (21%)	31 (19%)	36 (22%)
Hypertension								

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	N = 2076	N = 611	N = 605	N = 690	N = 1330	N = 175	N = 163	N = 163
Yes	792 (38%)	266 (44%)	295 (49%)	176 (26%)	881 (66%)	137 (78%)	124 (76%)	132 (81%)
Obesity								
Yes	579 (35%)	221 (36%)	248 (41%)	248 (36%)	285 (29%)	51 (29%)	65 (40%)	50 (31%)
Unknown	404	0	0	0	361	0	0	0
Dyslipidemia								
Yes	698 (34%)	223 (36%)	239 (40%)	158 (23%)	502 (38%)	105 (60%)	92 (56%)	83 (51%)
Mild renal insufficiency								
Yes	83 (4.0%)	27 (4.4%)	42 (6.9%)	25 (3.6%)	234 (18%)	42 (24%)	26 (16%)	41 (25%)
Coronary artery disease								
Yes	91 (4.4%)	33 (5.4%)	28 (4.6%)	7 (1.0%)	112 (8.4%)	26 (15%)	30 (18%)	19 (12%)
Haematological neoplasm								
Yes	12 (0.6%)	16 (2.6%)	7 (1.2%)	12 (1.7%)	27 (2.0%)	8 (4.6%)	7 (4.3%)	15 (9.2%)
Organ transplant								
Yes	20	13	6 (1.0%)	13	12	0 (0%)	3 (1.8%)	1 (0.6%)

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	N = 2076	N = 611	N = 605	N = 690	N = 1330	N = 175	N = 163	N = 163
	(1.0%)	(2.1%)		(1.9%)	(0.9%)			
Immunology								
Yes	72 (3.5%)	32 (5.2%)	17 (2.8%)	32 (4.6%)	50 (3.8%)	6 (3.4%)	11 (6.7%)	5 (3.1%)
Neoplasm								
No neoplasm	1991 (96%)	578 (95%)	563 (93%)	656 (95%)	1160 (87%)	141 (81%)	136 (83%)	130 (80%)
Neoplasm without metastasis	78 (3.8%)	30 (4.9%)	37 (6.1%)	30 (4.3%)	145 (11%)	26 (15%)	22 (13%)	30 (18%)
Neoplasm with metastasis	7 (0.3%)	3 (0.5%)	5 (0.8%)	4 (0.6%)	25 (1.9%)	8 (4.6%)	5 (3.1%)	3 (1.8%)
D-dimer	570 (316, 1050)	530 (284, 970)	500 (266, 895)	365 (250, 690)	722 (378, 1608)	689 (356, 1438)	471 (280, 969)	451 (276, 895)
Unknown	488	55	62	59	384	19	29	19
C reactive protein	80 (34, 149)	84 (39, 143)	76 (39, 128)	85 (41, 144)	92 (47, 160)	86 (41, 144)	96 (44, 148)	69 (30, 155)
Unknown	161	30	54	36	102	6	24	8
Haemoglobin	13.90 (12.90, 14.90)	13.60 (12.50, 14.80)	13.90 (12.80, 15.00)	14.05 (13.10, 15.10)	13.30 (12.00, 14.43)	12.50 (11.00, 14.40)	12.80 (11.60, 13.60)	12.50 (11.20, 13.80)
Unknown	150	21	40	24	82	6	15	5
Lymphocytes	0.98 (0.72,	0.91 (0.66,	0.91 (0.64,	0.93 (0.66,	0.90 (0.63,	0.85 (0.57,	0.80 (0.54,	0.90 (0.59,

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	1.33)	1.26)	1.23)	1.24)	1.24)	1.18)	1.13)	1.36)
Unknown	137	21	40	28	105	6	15	5
Leucocytes	6.5 (5.0, 8.7)	6.5 (5.0, 9.0)	6.4 (5.0, 8.6)	6.2 (4.6, 8.6)	6.9 (5.2, 9.2)	7.2 (5.4, 9.4)	6.5 (5.0, 8.7)	6.9 (5.4, 9.6)
Unknown	109	23	40	26	71	6	15	6
FiO2	21 (21, 21)	21 (21, 28)	21 (21, 28)	21 (21, 31)	21 (21, 24)	21 (21, 28)	21 (21, 35)	24 (21, 31)
Unknown	2	0	0	0	3	0	0	0
Need for oxygen support	511 (25%)	193 (32%)	234 (39%)	316 (46%)	345 (26%)	69 (39%)	77 (47%)	92 (56%)
Unknown	2	0	0	0	3	0	0	0

Median (IQR) for continuous variables; n (%) for categorical variables

BMI: Body mass index

COPD: Chronic obstructive pulmonary disease

PCC: chronic complex patient

MACA: advanced chronic disease patient