

eTable 1. Patient characteristics after first positive SARS-CoV-2 test.

Characteristic	All SARS-CoV-2 positive patients	Our cohort	SARS-CoV-2 positive patients not in our cohort	p-value ¹
Sample size (<i>n</i>)	1801	134	1667	-
Age at admission, median [IQR] (% missing)	65 [49, 79] (0%)	64 [46, 88] (0%)	66 [49, 79] (0%)	0.24
Gender (male), <i>n</i> (%)	973 (54.0%)	80 (59%)	893 (53.6%)	0.20
<i>Ethnicity, n (%)</i>				
White	1254 (69.6%)	90 (67.2%)	1164 (69.8%)	0.58
Black	23 (1.3%)	1 (0.7%)	22 (1.3%)	0.87
Asian	95 (5.3%)	13 (9.7%)	82 (4.9%)	0.029
Other	61 (3.4%)	3 (2.2%)	58 (3.5%)	0.61
Not specified/prefer not to say	368 (20.4%)	27 (20.1%)	341 (20.4%)	~1
Body mass index, median [IQR] (% missing), kg/m	27.3 [23.5, 31.7] (19.8%)	27.8 [23.5, 32.3] (11.9%)	27.3 [23.6, 31.7] (20.4%)	0.32
<i>Observations, median [IQR] (% missing)</i>				
Heart rate, beats/min	85 [74, 96] (11.5%)	86 [74, 95] (7.5%)	88 [80, 99] (11.8%)	0.38
Temperature, °C	37.1 [36.6, 37.7] (11.5%)	37.1 [36.6, 37.7] (7.5%)	37.1 [36.6, 37.8] (11.8%)	0.68

Respiratory rate, breaths/min	18 [17, 21] (11.5%)	19 [17, 22] (7.5%)	18 [17, 21] (11.8%)	0.71
Oxygen saturation (SpO2), %	96 [94, 98] (11.6%)	96 [94, 98] (7.5%)	96 [94, 98] (11.9%)	0.73
Mean arterial pressure, mmHg	89 [80, 99] (11.5%)	90 [82, 99] (7.5%)	88 [81, 100] (11.8%)	0.93
Blood tests, median [IQR] (% missing)				
C-reactive protein, mg/L	43 [14, 101] (1.2%)	51 [19, 107] (1.5%)	43 [14, 100] (1.2%)	0.21
White cell count, 10 ⁹ /L	6.4 [4.8, 8.9] (0.5%)	6.2 [5,8.9] (0%)	6.4 [4.8, 8.9] (0.5%)	0.29
Sodium, mmol/L	137.5 [135, 140] (1.1%)	137.8 [135.6, 140] (0%)	137.5 [135, 140] (1.2%)	0.71
Potassium, mmol/L	4 [3.7, 4.3] (1.5%)	4 [3.8, 4.5] (1.5%)	4 [3.7, 4.4] (1.5%)	0.31
Neutrophils, 10 ⁹ /L	4.7 [3.3, 7] (0.5%)	4.7 [3.4, 7] (0%)	4.7 [3.3, 6.9] (0.5%)	0.56
Lymphocytes, 10 ⁹ /L	0.9 [0.6, 1.4] (0.5%)	1.0 [0.7, 1.5] (0%)	0.9 [0.6, 1.4] (0.5%)	0.21
Interleukin-6, pg/ml	11.2 [3, 30.3] (71.5%)	8.1 [3.6, 18.5] (64.2%)	11.9 [3, 32.4] (72%)	0.011
Urea, mmol/L	6.2 [4.4, 9.4] (5.1%)	5.8 [4.2, 8.8] (0.7%)	6.2 [4.5, 9.4] (5.5%)	0.27
Creatinine, μ mol/L	72 [58.5, 93] (0.8%)	72 [62, 93] (0.7%)	72 [58, 93] (0.8%)	0.11
D-Dimer, ng/ml	268 [145, 590] (41.1%)	221 [142, 461] (38.8%)	272 [145, 595] (41.2%)	0.62

Troponin, ng/L	10 [3, 33] (36.9%)	8.5 [3, 24.7] (31.3%)	10.3 [3, 34] (37.3%)	0.82
pH value	7.40 [7.37, 7.43] (6.7%)	7.40 [7.37, 7.44] (3.7%)	7.40 [7.37, 7.43] (7%)	0.53
Past medical history², n (%)				
Heart disease	347 (19.3%)	24 (17.9%)	323 (19.4%)	0.76
Hypertension	656 (36.4%)	48 (35.8%)	608 (36.5%)	0.95
Diabetes	389 (21.6%)	44 (32.8%)	345 (20.7%)	0.0015
Endocrine disease (other than diabetes)	164 (9.1%)	19 (14.2%)	145 (8.7%)	0.05
Stroke	68 (3.8%)	3 (2.2%)	65 (3.9%)	0.46
Dementia	151 (8.4%)	10 (7.5%)	141 (8.5%)	0.81
Asthma	244 (13.5%)	20 (14.9%)	224 (13.4%)	0.72
Respiratory disease (other than asthma)	218 (12.1%)	17 (12.7%)	201 (12.1%)	0.94
Chronic kidney disease	141 (7.8%)	9 (6.7%)	132 (7.9%)	0.74
Chronic liver disease	96 (5.4%)	10 (7.5%)	86 (5.2%)	0.35
Malignancy non-haematological	246 (13.7%)	18 (13.4%)	228 (13.7%)	~1
Malignancy haematological	87 (4.8%)	4 (3.0%)	83 (5.0%)	0.41
Immunocompromised	13 (0.7%)	2 (1.5%)	11 (0.6%)	0.57

Treatments and outcomes, n (%)				
In-hospital deaths	294 (16.3%)	18 (13.4%)	276 (16.6%)	0.41
Admitted to ICU	331 (18.4%)	15 (11.2%)	316 (18.9%)	0.034
Invasive mechanical ventilation	222 (12.3%)	12 (8.9%)	210 (12.6%)	0.27
Renal replacement therapy	198 (11.0%)	10 (7.5%)	188 (11.3%)	0.22

¹ Mood's test for medians or Chi-squared test for categorical data

²See eTable 3 for ICD-10 code lists

³Bisoprolol, Atenolol, Propranolol, Carvedilol.