

| | | Not diagnosed with COVID | All COVID diagnoses | p-value | COVID negative PCR |
|--|-----|----------------------------|----------------------------|---------|---------------------------|
| | | n=2215 | n=1793 | | n=283 |
| Symptoms | | | | | |
| Cough | | 537 (24.5%) | 1114 (62.5%) | <0.001 | 177 (63.2%) |
| Chest pain | | 335 (15.3%) | 109 (6.1%) | <0.001 | 23 (8.2%) |
| Diarrhoea | | 152 (6.9%) | 131 (7.4%) | 0.62 | 25 (8.9%) |
| Fatigue | | 277 (12.7%) | 166 (9.3%) | <0.001 | 24 (8.6%) |
| Symptom duration (days), median (IQR) | | 4 (2, 12) (n=592) | 7 (3, 10) (n=1064) | 0.010 | 7 (3, 12) (n=283) |
| Observations | | | | | |
| Pulse, median (IQR) | | 89 (75, 106) (n=1961) | 96 (83, 110) (n=1689) | <0.001 | 98 (85, 111) (n=267) |
| Pulse >120 bpm | | 203 (10.3%) | 241 (14.3%) | <0.001 | 41 (15.4%) |
| Respiratory rate per minute, median (IQR) | | 20 (18, 23) (n=1961) | 26 (21, 32) (n=1688) | <0.001 | 26 (22, 32) (n=267) |
| Respiratory rate >30 per minute | | 175 (8.9%) | 568 (33.6%) | <0.001 | 90 (33.8%) |
| Temperature °C, median (IQR) | | 36.7 (36.4, 37.1) (n=1961) | 37.5 (36.8, 38.4) (n=1684) | <0.001 | 37.3 (36.7, 37.9) (n=267) |
| Temperature >38°C | | 180 (9.2%) | 605 (35.9%) | <0.001 | 72 (27.0%) |
| Systolic Blood Pressure mmHg, median (IQR) | | 136 (119, 154) (n=1948) | 132 (117, 147) (n=1666) | <0.001 | 131 (118, 144) (n=264) |
| Systolic Blood Pressure mmHg <100 | | 108 (5.5%) | 101 (6.1%) | 0.51 | 16 (6.1%) |
| O ₂ saturations %, median (IQR) | | 97 (96, 99) (n=1961) | 96 (92, 97) (n=1686) | <0.001 | 95 (93, 98) (n=267) |
| O ₂ saturations <94% | | 198 (10.1%) | 543 (32.2%) | <0.001 | 79 (29.8%) |
| NEWS 2 Score, median (IQR) | | 2 (1, 4) (n=1951) | 6 (3, 8) (n=1666) | <0.001 | 6 (4, 7) (n=267) |
| NEWS 2 Score ≥5 | | 477 (24.4%) | 1084 (65.1%) | <0.001 | 176 (66.7%) |
| Supplementary oxygen | Yes | 169 (8.8%) | 529 (33.1%) | <0.001 | 96 (37.9%) |

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| Blood gas and pathology | | | | | |
| PO ₂ (KPa), median (IQR) | | 8.8 (7.3, 11.1) (n=359) | 8.7 (7.4, 10.7) (n=693) | 0.51 | 9.1 (7.7, 11.1) (n=122) |
| PO ₂ <8 v | | 127 (35.4%) | 251 (36.2%) | 0.79 | 34 (27.9%) |
| pCO ₂ (KPa), median (IQR) | | 5.2 (4.4, 6.7) (n=359) | 4.6 (4.1, 5.2) (n=693) | <0.001 | 4.6 (4.1, 5.2) (n=122) |
| pCO ₂ >6 | | 124 (34.5%) | 75 (10.8%) | <0.001 | 12 (9.8%) |
| Haemoglobin (g/L), mean (SD) | | 121.7 (23.2) (n=2025) | 124.4 (21.1) (n=1598) | <0.001 | 122.2 (21.1) (n=274) |
| Neutrophil count (x10 ⁹ /L), median (IQR) | | 5.9 (4.1, 8.6) (n=2026) | 5.8 (4.0, 8.3) (n=1598) | 0.20 | 6.7 (4.5, 9.0) (n=274) |
| Neutrophils >10 x10 ⁹ /L | | 361 (17.8%) | 250 (15.6%) | 0.083 | 52 (19.0%) |
| Lymphocyte count (x10 ⁹ /L), median (IQR) | | 1.4 (0.9, 2.0) (n=2026) | 1.0 (0.7, 1.4) (n=1598) | <0.001 | 1.1 (0.8, 1.4) (n=274) |
| Lymphocytes <1 x10 ⁹ /L | | 509 (25.1%) | 736 (46.1%) | <0.001 | 107 (39.1%) |
| Platelet count (x10 ⁹ /L), median (IQR) | | 246.0 (193.0, 317.0) (n=2025) | 231.0 (177.0, 306.0) (n=1597) | <0.001 | 263.0 (206.0, 320.0) (n=274) |
| Platelets <100 x10 ⁹ /L | | 80 (4.0%) | 62 (3.9%) | 0.92 | 11 (4.0%) |
| ALT, median (IQR) | | 22.0 (15.0, 36.0) (n=1755) | 31.0 (18.0, 51.0) (n=1412) | <0.001 | 31.0 (18.0, 51.0) (n=245) |
| Creatinine (mmol/L), median (IQR) | | 84.0 (65.0, 121.0) (n=2011) | 86.0 (67.0, 124.0) (n=1582) | 0.057 | 80.0 (65.0, 121.0) (n=269) |
| Creatinine >120 mmol/L | | 507 (25.2%) | 426 (26.9%) | 0.24 | 64 (23.8%) |
| Urea (mmol/L), median (IQR) | | 6.0 (4.0, 9.8) (n=2025) | 6.1 (4.0, 10.6) (n=1584) | 0.58 | 5.5 (3.8, 8.0) (n=270) |
| CRP µg/mL, median (IQR) | | 16.1 (3.4, 66.9) (n=1928) | 98.7 (46.0, 175.3) (n=1590) | <0.001 | 86.2 (41.7, 175.3) (n=272) |
| CRP >50 µg/mL | | 599 (31.1%) | 1160 (73.0%) | <0.001 | 191 (70.2%) |
| Glucose (mmol/L), median (IQR) | | 6.6 (5.6, 8.5) (n=1182) | 7.1 (5.9, 9.3) (n=910) | <0.001 | 6.7 (5.9, 9.3) (n=147) |
| Lactate >2 mmol/L | | 41 (3.5%) | 30 (3.3%) | 0.83 | 5 (3.4%) |

Supplementary Table 1. Baseline characteristics for patients, including co-morbidities, admission and SARS-CoV-2 RT-PCR status. Data on com-morbidities represents number with each condition presented. P-values are calculated using chi-squared for proportions, t-tests for means and Wilcoxon for quartile range. NEWS National Early Warning Score. PO2 partial pressure of oxygen, PCO2 partial pressure of carbon dioxide