

Table 1: Patients' main clinical characteristics, symptoms, laboratory results at baseline, and outcomes for the 1,762 patients hospitalized with COVID-19 in the Hôpitaux Civils de Colmar, in France during the study period according to COVID-19 waves.

	Wave 1 (n =666)	Wave 2 (n =425)	Wave 3 (n =482)	Wave 4 (n =189)	All patients (n =1,762)	p-value
Male	376 (56.5 %)	233 (54.8 %)	268 (55.6 %)	108 (57.1 %)	985 (55.9 %)	0.936
Female	290 (43.5 %)	192 (45.2 %)	214 (44.4 %)	81 (42.9 %)	777 (44.1 %)	
Age (years) Median [Q1, Q3]	71.26 [60.9, 80.9]	76.84 [65.3, 85.6]	72.18 [59.3, 83.3]	67.97 [54.7, 80.1]	72.62 [60.9, 83.0]	<0.001
BMI (kg/m ²) Median [Q1, Q3]	26.685 [23.46, 30.80]	25.271 [22.22, 29.39]	26.432 [23.38, 31.02]	26.777 [23.51, 30.63]	26.298 [22.99, 30.49]	0.012
Risk factor(s)	586 (88.0 %)	396 (93.2 %)	445 (92.3 %)	161 (85.1 %)	1588 (90.1 %)	0.002
Chronic renal disease	70 (10.5 %)	75 (17.6 %)	79 (16.4 %)	23 (12.2 %)	247 (14.0 %)	0.002
Chronic liver disease	6 (0.9 %)	15 (3.5 %)	12 (2.5 %)	3 (1.6 %)	36 (2.0 %)	0.002
Chronic cardiovascular	459 (68.9 %)	308 (72.5 %)	354 (73.4 %)	117 (61.9 %)	1238 (70.3 %)	0.028
Chronic pulmonary disease	138 (20.7 %)	127 (29.9 %)	154 (32.0 %)	53 (28.0 %)	472 (26.8 %)	<0.001
Diabetes	189 (28.4 %)	131 (30.8 %)	138 (28.6 %)	42 (22.2 %)	500 (28.4 %)	0.0196
Cancer	132 (19.8 %)	132 (31.1 %)	121 (25.1 %)	37 (19.6 %)	422 (24.0 %)	<0.001
Immunosuppression	2 (0.3 %)	6 (1.4 %)	17 (3.5 %)	7 (3.7 %)	32 (1.8 %)	<0.001
HIV	-	2 (0.5 %)	2 (0.4 %)	1 (0.5 %)	5 (0.3 %)	0.187
Pregnancy	1 (0.2 %)	-	3 (0.6 %)	2 (1.1 %)	6 (0.3 %)	0.087
Neurologic disorders	126 (18.9 %)	84 (19.8 %)	99 (20.5 %)	28 (14.8 %)	337 (19.1 %)	0.003
Dementia	124 (18.6 %)	108 (25.4 %)	104 (21.6 %)	33 (17.5 %)	369 (20.9 %)	0.036
Others	67 (10.1 %)	83 (19.5 %)	57 (11.8 %)	15 (7.9 %)	222 (12.5 %)	<0.001
Symptom duration (days) Median [Q1, Q3]	-6.0 [-9, -2]	-3.0 [-7, -1]	-5.0 [-9, -1]	-6.0 [-9, -3]	-5.0 [-9, -2]	<0.001
Body temperature (°C) Median [Q1, Q3]	38.00 [36.9, 38.6]	37.00 [36.5, 38.0]	37.10 [36.5, 38.1]	36.90 [36.3, 38.0]	37.30 [36.6, 38.3]	<0.001
Ventilation - Needing O ₂	226 (33.9 %)	133 (31.3 %)	140 (29.0 %)	64 (33.9 %)	563 (32.0 %)	0.311
Lymphocytes (G/L) Median [Q1, Q3]	0.770 [0.54, 1.11]	0.840 [0.55, 1.22]	0.850 [0.59, 1.26]	0.890 [0.58, 1.36]	0.820 [0.55, 1.19]	0.003
CRP (mg/L) Median [Q1, Q3]	73.0 [35, 127]	48.0 [17, 91]	53.0 [16, 111]	52.5 [18, 109]	60.0 [22, 112]	<0.001
LDH (IU/L) Median [Q1, Q3]	324.0 [241, 431]	261.0 [210, 316]	268.0 [212, 360]	302.5 [201, 392]	282.0 [218, 379]	<0.001
Corticosteroids	74 (11.1 %)	217 (51.1 %)	298 (61.8 %)	130 (68.8 %)	719 (40.8 %)	<0.001
Antibiotics	448 (67.3 %)	276 (64.9 %)	297 (61.6 %)	99 (52.4 %)	1120 (63.6 %)	0.002
ICU hospitalization (%)	165 (24.8 %)	58 (13.6 %)	86 (17.9 %)	47 (24.9 %)	356 (20.2 %)	<0.001
Deaths (%)	112 (16.8 %)	85 (20.0 %)	80 (16.6 %)	18 (9.5 %)	295 (16.7 %)	0.011
Nosocomial	52 (7.8 %)	141 (33.2 %)	62 (12.9 %)	19 (10.1 %)	274 (15.6 %)	<0.001
Vaccination	-	-	49 (10.2 %)	78 (41.3 %)	127 (7.2 %)	<0.001

Results are presented as number with percentage (%) in brackets or medians with the first (Q1) and third (Q3) quartiles in brackets. Percentages are calculated for non-missing values only. n: number, BMI: body mass index, CRP: C-reactive protein, HIV: human immunodeficiency virus, LDH: lactate dehydrogenase, ICU: intensive care unit.