

Table S1 World Health Organization definitions of illness severity for COVID-19

Disease severity	Definition
Critical COVID-19	Defined by the criteria for ARDS, sepsis, septic shock, or other conditions that would normally require the provision of life-sustaining therapies such as mechanical ventilation (invasive or noninvasive) or vasopressor therapy
Severe COVID-19	Defined by the presence of any of the following: Oxygen saturation <90% on room air Signs of pneumonia Signs of severe respiratory distress (in adults, accessory muscle use, inability to complete full sentences, respiratory rate >30 breaths per minute; and, in children, very severe chest wall indrawing, grunting, central cyanosis, or presence of any other general danger signs including inability to breastfeed or drink, lethargy, convulsions, or reduced level of consciousness)
Non-severe COVID-19	Defined as the absence of any criteria for severe or critical COVID-19

COVID-19, coronavirus disease 2019; ARDS, acute respiratory distress syndrome.

Table S2 Details of vaccination

Variable	No. of patients	Percentage (%)	Cumulative percentage (%)
Vaccinated			
No	73	11.2	11.2
Yes	578	88.8	100.0
No. of vaccine doses			
1 dose	18	3.1	3.1
2 doses	488	84.4	87.5
3 doses	72	12.5	100.0
The type of vaccines			
Inactivated vaccine	539	93.3	93.3
Recombinant subunit vaccine	36	6.2	99.5
Adenovirus vector vaccine	3	0.5	100.0
Vaccination status			
Partially vaccinated	22	3.8	3.8
Fully vaccinated	514	88.9	92.7
Booster vaccination	42	7.3	100.0
Time of last vaccination			
Unknown	42	7.3	7.3
Known	536	92.7	100.0
Time from last vaccination to onset of symptoms			
<1 month	24	4.5	4.5
1 month	18	3.4	7.8
2 months	12	2.2	10.1
3 months	19	3.5	13.6
4 months	101	18.8	32.5
5 months	106	19.8	52.2
6 months	231	43.1	95.3
7 months	18	3.4	98.7
8 months	4	0.7	99.4
9 months	2	0.4	99.8
10 months	1	0.2	100.0