

## Supplementary material

Appendix Table 1. International Classification of Disease (ICD) codes used for the identification and inclusion patients with Severe Acute Respiratory Infection into the study.

Category	Signs and symptoms	ICD-10	ICD-9
Abnormalities in breathing	Dyspnoea, Shortness of breath Adult respiratory distress syndrome	R06.0 J80	786.05
	Other and unspecified abnormalities of breathing	R06.89	786.09
	Unspecified abnormalities of breathing	R06.9	786.0
Infections	Acute upper respiratory infections	J00-J06	460-466
	Influenza and pneumonia	J09-J18	480-488
	Other acute lower respiratory infections	J20-J22	466, 519.8
Other respiratory diseases	Bronchitis	J40-J42	466, 490, 491
	Chronic obstructive pulmonary disease	J44.x	496
	Asthma	J45.x	493
	Respiratory failure, not elsewhere classified	J96.x	786.09
Linked to COVID-19	Pneumonia due to coronavirus disease 2019 (COVID-19)	J12.82 U07.1	