

Supplementary Table S1. Studies on testing SARS-CoV-2 in populations containing asymptomatic individuals

Populations	Total tested	Asymptomatic positive/total positive, n (%)	Asymptomatic positive/total tested (%)	Reference
Iceland residents	13,080	43/100 (43)	0.3	Spread of SARS-CoV-2 in the Icelandic Population
Italy Vo' residents	5,155	42/102 (41.2)	0.8	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo'
Ethiopia residents	61,599	1,935/2,617 (73.9)	3.1	Clinical features and risk factors associated with morbidity and mortality among patients with COVID-19 in northern Ethiopia
Japan Diamond Princess cruise	3,711	328/634 (51.7)	8.8	Estimating the asymptomatic proportion of coronavirus disease 2019 (COVID-19) cases on board the Diamond
Argentine cruise	217	104/128 (81.3)	47.9	COVID-19: in the footsteps of Ernest Shackleton
New York obstetrical patients	215	29/33 (87.9)	13.5	Universal Screening for SARS-CoV-2 in Women Admitted for Delivery
Spain obstetrical patients	11,728	174/279 (62.4)	1.5	Obstetric Outcomes of SARS-CoV-2 Infection in Asymptomatic Pregnant Women
West French Guiana obstetrical patients	507	87/137 (63.5)	17.2	Maternal, fetal and neonatal outcomes of large series of SARS-CoV-2 positive pregnancies in peripartum period: A single-center prospective comparative study
Flight back to Greece from United Kingdom, Spain, and Turkey	783	35/40 (87.5)	4.5	High prevalence of SARS-CoV-2 infection in repatriation flights to Greece from three
International Entrants to China from 90 countries	19,398,384	1,612/3,103 (51.9)	0.008	Asymptomatic SARS-CoV-2 Infections Among Persons Entering China From April 16 to October 12, 2020
Washington Nursing Facility	76	27/48 (56.3)	35.5	Presymptomatic SARS-CoV-2 Infections and Transmission in a Skilled Nursing Facility
	76	13/23 (56.5)	17.1	Asymptomatic and Presymptomatic SARS-CoV-2 infections in residents of a long-term care skilled
Chicago Nursing Facility	204	50/172 (29.1)	24.5	Management and outcomes of a COVID-19 outbreak in a nursing home with predominantly Black residents
France nursing home	456	14/161 (8.7)	3.1	Atypical symptoms, SARS-CoV-2 test results and immunisation rates in 456 residents from eight nursing homes facing a COVID-19 outbreak
Long-term care facilities residents	116	10/111 (9)	8.6	Clinical Presentation, Course, and Risk Factors Associated with Mortality in a Severe Outbreak of COVID-19 in Rhode Island, USA, April–June 2020
New Jersey hospital and university employees	829	27/41 (65.9)	3.3	Prevalence of SARS-CoV-2 infection in previously undiagnosed health care workers at the onset of the U.S. COVID-19 epidemic
Italy healthcare workers	1,573	17/139 (12.2)	1.1	Characteristics of 1573 healthcare workers who underwent nasopharyngeal swab testing for SARS-CoV-2 in Milan, Lombardy, Italy
New York city jail system	978	58/568 (10.2)	5.9	COVID-19 in the New York City Jail System: Epidemiology and Health Care Response, March–April 2020
Boston homeless shelter	408	129/147 (87.8)	31.6	Prevalence of SARS-CoV-2 infection in residents of a large homeless shelter in Boston
India military quarantine facilities	26	25/25 (100)	96.2	Spread of COVID-19 by asymptomatic cases: evidence from military quarantine facilities
Pediatric patients (< 18 years old)	2,135	94/728 (12.9)	4.4	Epidemiology of COVID-19 among children China
Children patients in Wuhan (1day-15 years old)	1,391	27/171 (15.8)	1.9	SARS-CoV-2 infection in children
US sailors	4,085	146/736 (19.8)	3.6	Symptom Characterization and Outcomes of Sailors in Isolation After a COVID-19 Outbreak on a US Aircraft Carrier
Close contact of 314 Spain patients	753	240/449 (53.5)	31.9	Transmission of COVID-19 in 282 clusters in Catalonia, Spain: a cohort study

Supplementary Table S2. Studies on characterizing SARS-CoV-2 positive patients containing asymptomatic individuals

Populations	Total of Positive	Asymptomatic positive/total positive, n (%)	Reference	Note
Kuwait residents	1,096	473/1,096 (43.2)	Characteristics, risk factors and outcomes among the first consecutive 1,096 patients diagnosed with COVID-19 in Kuwait	35 presymptomatic
UK rehabilitation facility	45	15/45 (33.3)	Asymptomatic severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in a rehabilitation facility	
Patients in Beijing	262	13/262 (4.9)	Characteristics of COVID-19 infection in Beijing	
Patients in Shanghai	328	13/328 (4.0)	Follow-up of asymptomatic patients with SARS-CoV-2 infection	
Residents in South Korea	199	53/199 (26.6)	Asymptomatic infection and atypical manifestations of COVID-19: Comparison of viral shedding duration	
Patients in People's Hospital of Daofu county	83	18/83 (21.7)	A considerable proportion of individuals with asymptomatic SARS-CoV-2 infection in Tibetan population	
Children in Zhejiang (1–16 years old)	36	10/36 (28)	Clinical and epidemiological features of 36 children with coronavirus disease 2019	
Children in Kuwait	134	91/134 (67.9)	Clinical characteristics of pediatric SARS-CoV-2 infection and coronavirus disease 2019 (COVID-19) in Kuwait	3 presymptomatic
Bahrain patients and their contacts	320 index cases 1,289 positive contacts	160/320 (50) 1,127/1,289 (87.4)	The high prevalence of asymptomatic SARS-CoV-2 infection reveals the silent spread of COVID-19	
Air passengers to Brunei	138	16/138 (11.6)	High proportion of asymptomatic and presymptomatic COVID-19 infections in air passengers to Brunei	