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Supplementary Data
'COVID-19 Triage Systems and Case Fatality Rates: A Comparative Simulation Study Between Singapore, Japan, Norway, the USA and the UK.'

	Triage Advice (Cough + Fever)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
12yrs (2 days)	Stay Home	Stay Home	Stay Home	Stay Home	Stay Home	URTI, Mild COVID,
32yrs (2 days)	Stay Home	Stay Home	Stay Home	Stay Home	Stay Home	URTI, Mild COVID,
52yrs (2 days)	Stay Home	Stay Home	Stay Home	Stay Home	Stay Home	URTI, Mild COVID,
72yrs (2 days)	PHCC or GP	GP	Stay Home	Stay Home	Stay Home	URTI, Mild COVID, Bacterial Pneumonia
12yrs (4 days)	Stay Home	Stay Home	GP	Stay Home	Stay Home	Mild COVID, Moderate COVID, Bacterial Pneumonia
32yrs (4 days)	Stay Home	Stay Home	GP	Stay Home	Stay Home	Mild COVID, Moderate COVID, Bacterial Pneumonia
52yrs (4 days)	Stay Home	Stay Home	GP	Stay Home	Stay Home	Mild COVID, Moderate COVID, Bacterial Pneumonia
72yrs (4 days)	PHCC or GP	GP	GP	Stay Home	Stay Home	Mild COVID, Moderate COVID, Bacterial Pneumonia
12yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
32yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia

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	Triage Advice (Cough + Fever)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
52yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
72yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
12yrs (10 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
32yrs (10 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
52yrs (10 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia
72yrs (10 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home	Moderate COVID, Severe COVID, Bacterial Pneumonia

Table S1 - Scenario 1. Cough and Fever in various age groups with varying durations. The rows indicate the individual cases with corresponding advice generated by the patient-led triage systems. All individual cases had worsening cough and on-going fever for 4, 7 and 10 days (in brackets). Otherwise patients felt unwell, but were able to undertake all daily tasks. Patients had no co-morbidities. These cases indicate an increasing chance (with increasing duration of symptoms) of bacterial pneumonia or worsening COVID-19. PHCC - Public Health Preparedness Clinic, GP - General Practitioner. Yrs - Years of Age.

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	Triage Advice (Co-morbidity + Cough + Fever)				
	Singapore	Norway	Japan	USA	UK
12yrs (2 days)	PHCC or GP	Stay Home	Stay Home	Call medical provider within 24 hours	Call 111
32yrs (2 days)	PHCC or GP	Stay Home	Stay Home	Stay Home	Stay Home
52yrs (2 days)	PHCC or GP	Stay Home	Stay Home	Stay Home	Stay Home
72yrs (2 days)	PHCC or GP	GP	Stay Home	Stay Home	Stay Home
12yrs (4 days)	PHCC or GP	Stay Home	GP	Call medical provider within 24 hours	Call 111
32yrs (4 days)	PHCC or GP	Stay Home	GP	Stay Home	Stay Home
52yrs (4 days)	PHCC or GP	Stay Home	GP	Stay Home	Stay Home
72yrs (4 days)	PHCC or GP	GP	GP	Stay Home	Stay Home
12yrs (7 days)	PHCC or GP	GP	Medical Centre	Call Medical Provider within 24 hours	Call 111
12yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home
12yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home
12yrs (7 days)	PHCC or GP	GP	Medical Centre	Stay Home	Stay Home

Table S2- Scenario 2 - Co-morbidity with Possible COVID-19. Co-morbidity was applied to mean a congenital heart condition in relation to the 12 year old, and hypertension in relation to the adults. Otherwise conditions are as Scenario 1. PHCC - Public Health Preparedness Clinic, GP - General Practitioner. Yrs - Years of Age.

	Triage Advice (Cough + Fever + Immunosuppression)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
12yrs old (2 days)	PHCC or GP	GP or ED	Stay Home	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
32yrs old (2 days)	PHCC or GP	GP or ED	Stay Home	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
52yrs old (2 days)	PHCC or GP	GP or ED	Stay Home	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis

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	Triage Advice (Cough + Fever + Immunosuppression)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
72yrs old (2 days)	PHCC or GP	GP or ED	Stay Home	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
12yrs old (4 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
32yrs old (4 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
52yrs old (4 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
72yrs old (4 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
12yrs old (7 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
32yrs old (7 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
52yrs old (7 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis
72yrs old (7 days)	PHCC or GP	GP or ED	Medical Centre	Call medical provider within 24 hours	Call 111 & Speak to a Nurse	URTI, COVID, Neutropenic Sepsis

Table S3 - Scenario 3. Cough and Fever in varying ages of patients with significant immunosuppression e.g. recent chemotherapy or a transplant patient. The case simulates high-risk patients with possible COVID-19 or neutropenic sepsis or sepsis in a vulnerable person. PHCC - Public Health Preparedness Clinic, GP - General Practitioner, ED - Emergency Department. '111' is the NHS telephone triage service in England and Wales. Yrs - Years of Age.

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	Triage Advice (Shortness of Breath + Fever for 5 days)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
12yr old (mild)	ED	GP or ED	Medical Centre	Stay Home	Stay Home	Severe COVID, Sepsis, Bacterial Pneumonia
32yr old (mild)	ED	GP or ED	Medical Centre	Stay Home	Stay Home	Severe COVID, Sepsis, Bacterial Pneumonia
52yr old (mild)	ED	GP or ED	Medical Centre	Stay Home	Stay Home	Severe COVID, Sepsis, Bacterial Pneumonia
72yr old (mild)	ED	GP or ED	Medical Centre	Stay Home	Stay Home	Severe COVID, Sepsis, Bacterial Pneumonia
12yr old (moderate)	ED	GP or ED	Medical Centre	Stay Home	Call 111	Severe COVID, Sepsis, Septic Shock Bacterial Pneumonia
32yr old (moderate)	ED	GP or ED	Medical Centre	Stay Home	Call 111	Severe COVID, Sepsis, Septic Shock Bacterial Pneumonia
52yr old (moderate)	ED	GP or ED	Medical Centre	Stay Home	Call 111	Severe COVID, Sepsis, Septic Shock Bacterial Pneumonia
72yr old (moderate)	ED	GP or ED	Medical Centre	ED	Call 111	Severe COVID, Sepsis, Septic Shock Bacterial Pneumonia
12yr old (severe)	ED	ED	Medical Centre	ED	ED	Critical COVID, Bacterial Pneumonia

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	Triage Advice (Shortness of Breath + Fever for 5 days)					**Relevant Diagnoses**
	Singapore	Norway	Japan	USA	UK	
32yr old (severe)	ED	ED	Medical Centre	ED	ED	Critical COVID, Bacterial Pneumonia
52yr old (severe)	ED	ED	Medical Centre	ED	ED	Critical COVID, Bacterial Pneumonia
72yr old (severe)	ED	ED	Medical Centre	ED	ED	Critical COVID, Bacterial Pneumonia

Table S4 - Scenario 4. Shortness of Breath and Fever for five days duration in varying age groups. The cases simulate varying severities of COVID-19, or bacterial pneumonia, or sepsis. PHCC - Public Health Preparedness Clinic, GP - General Practitioner, ED - Emergency Department. '111' is the NHS telephone triage service in England and Wales.