

Assumptions	COVID-19 key conclusions of SAGE to date																				
<p>Duration of illness</p>	<ul style="list-style-type: none"> • Most cases probably resolve 7 days after symptom start. • From symptom onset to hospitalisation: Average of 7 days. • From onset of illness to discharge from hospital: Average of 23 days but may include avoidable delay in discharge. • From onset of illness to death: Average of 22 days for severe cases, but large variation around this. Longest time so far appears to be 41 days. 																				
<p>Duration of infectivity</p>	<ul style="list-style-type: none"> • Duration of infectivity likely to vary depending on severity of individual cases. • 14 days as upper limit. • Peak infectivity is probably around the start of symptom onset, average 2 to 6 days, then falling off rapidly. 																				
<p>Infection fatality rate (IFR)</p> <p>“The proportion of all those infected who die because of Covid-19.”</p> <p>This counts deaths from those showing clinical symptoms and those not showing clinical symptoms.</p>	<ul style="list-style-type: none"> • 1% of all infections. • Age distribution: <table border="1" data-bbox="1169 828 1406 1219"> <thead> <tr> <th>Age Band</th> <th>IFR</th> </tr> </thead> <tbody> <tr> <td>0 – 9</td> <td>0.01%</td> </tr> <tr> <td>10 – 19</td> <td>0.01%</td> </tr> <tr> <td>20 – 29</td> <td>0.04%</td> </tr> <tr> <td>30 – 39</td> <td>0.09%</td> </tr> <tr> <td>40 – 49</td> <td>0.15%</td> </tr> <tr> <td>50 – 59</td> <td>0.69%</td> </tr> <tr> <td>60 – 69</td> <td>2.21%</td> </tr> <tr> <td>70 – 79</td> <td>5.92%</td> </tr> <tr> <td>80+</td> <td>8.76%</td> </tr> </tbody> </table>	Age Band	IFR	0 – 9	0.01%	10 – 19	0.01%	20 – 29	0.04%	30 – 39	0.09%	40 – 49	0.15%	50 – 59	0.69%	60 – 69	2.21%	70 – 79	5.92%	80+	8.76%
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<p>Infection attack rate (IAR)</p> <p>“The proportion of the population infected over the duration of the epidemic.”</p>	<ul style="list-style-type: none"> • 80% of the total population. 																				

COVID-19 Reasonable Worst Case Planning Assumptions, as at 06/03/2020

SAGE secretariat

This counts both those showing clinical symptoms and those not showing clinical symptoms.	
Duration of outbreak	<ul style="list-style-type: none">• Single wave with 95% of cases in peak 9 weeks, half of cases in peak 3 weeks.
Workforce absences	<ul style="list-style-type: none">• 21% nationally during peak weeks. This may vary for individual businesses.• Average absence duration of 14 days based on current government advice.• Most cases probably resolve 7 days after symptom start so may be lowered depending on government messaging.• Includes absences due to covid-19, background rates of influenza-like illness and caring for others.