

a) COVID-19 incidence rate

$$\text{Incidence Rate} = \frac{\text{Number of cases due to COVID - 19}}{\text{Resident population in the year}} \times 100,000$$

b) COVID-19 mortality rate

$$\text{Mortality rate} = \frac{\text{Number of deaths due to COVID - 19}}{\text{Resident population in the year}} \times 1 \text{ million}$$

c) Case fatality rate

$$\text{Case fatality rate} = \frac{\text{Number of deaths due to COVID - 19}}{\text{Number of confirmed cases}} \times 100$$