

# The three types of #COVID19 modelling

- Projections which estimate new infections and deaths as well as the resources needed for the response
- The interventions if fully implemented that can flatten the curve
- The spatial models which can be used to identify hotspots.



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# Flattening the #COVID19 curve is a constant effort

“We must be aware that we are facing a much bigger COVID-19 outbreak challenge than we did when we started the lockdown. Flattening the curve is an everyday event. If we lose our focus, the curve could spiral up again.”

- **Dr Zweli Mkhize**, Minister of Health



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# The need for more #COVID beds in Western Cape

"We need to push to up to 30,000 beds. The focus has got to be on those who have turned positive in the past two weeks; that's where a large source of infection is coming from. We are not only dealing with positive cases; we are also dealing with the contacts."

- **Dr Zweli Mkhize**, Minister of Health



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# What are #COVID19 epidemiological hotspots?

“Epidemiological hotspots may occur because of the importation of the COVID-19 virus into geographical areas or due to community transmissions. Epidemiological hotspots require that the monitoring of active cases is undertaken. Epidemiological hotspots may include a ward, a sub-district, a district or a metropolitan region.”

- **Dr Zweli Mkhize**, Minister of Health



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# What are #COVID19 epidemiological hotspots?

"Any geographic area which has recorded five or more positive cases per 100,000 of the population during a period under consideration is labelled as an epidemiological hotspot. This is informed by the weekly rate of change in the percent of active positive cases per 100,000 of the population per geographical area."

- **Dr Zweli Mkhize**, Minister of Health



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# Additional resources being diverted to the Eastern Cape's #COVID19 fight

"We note the same pattern that drove up the outbreak in Western Cape is building up in the Eastern Cape. The two provinces now consist of 78% of all positive cases. Additional attention is being directed to Eastern Cape to ensure the province can adequately respond to limit the escalation of infection."

- **Dr Zweli Mkhize**, Minister of Health



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# The #COVID19 hotspot strategy in the Western Cape

“We have focused on our hotspot strategy: the issue of sub-division of districts into sub-districts for more intensive interventions.”

- **Dr Zweli Mkhize**, Minister of Health



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# #COVID19 infection control is our combined responsibility

“Unless our citizens themselves take responsibility for COVID-19 infection control, we will not be able to win.”

- **Dr Zweli Mkhize**, Minister of Health



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# #COVID19 modelling is “dynamic”

“According to the South African Modelling Consortium, the peak of the infection is expected in mid-July in the pessimistic scenario and mid-August in the optimistic scenario. These models should be considered dynamic and is dependent on new data that comes in. It should only be used as a guide for what may be possible.”

- **Dr Zweli Mkhize**, Minister of Health



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