

Western Cape Government

Health

TRACKING THE COVID19 EPIDEMIC

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Challenges with routine data and monitoring

22 May 2020

Situation in numbers (by WHO Region) as at 21 May 2020

Total (new cases in last 24 hours)

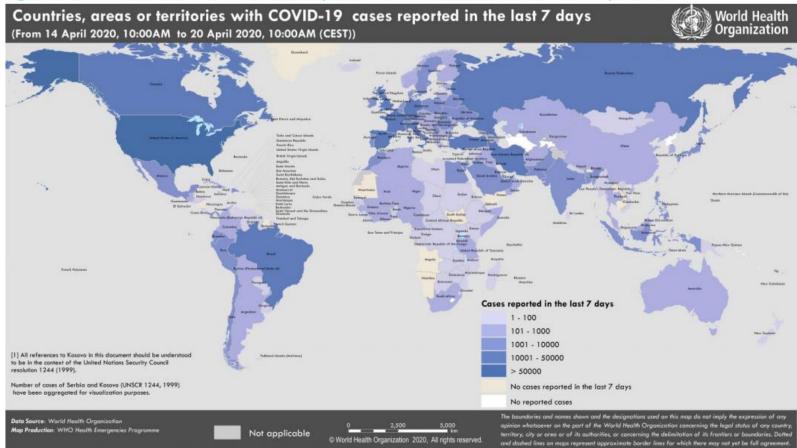
Globally	4 789 205 cases (57 804)	318 789 deaths (2 621)
Africa	65 956 cases (2 435)	1 846 deaths (50)
Americas	2 105 670 cases (22 782)	125 843 deaths (1 176)
Eastern Mediterranean	361 902 cases (5 153)	10 303 deaths (154)
Europe	1 928 799 cases (19 207)	169 033 deaths (1 035)
South-East Asia	156 211 cases (7 450)	4 971 deaths (191)
Western Pacific	169 955 cases (777)	6 780 deaths (15)



Source: <u>https://www.who.int/docs/default-</u> <u>source/coronaviruse/situation-reports/20200520-covid-19-</u> <u>sitrep-121.pdf?sfvrsn=c4be2ec6_2</u>

Global situation

Figure 1. Countries, territories or areas with reported confirmed cases of COVID-19, 20 April 2020



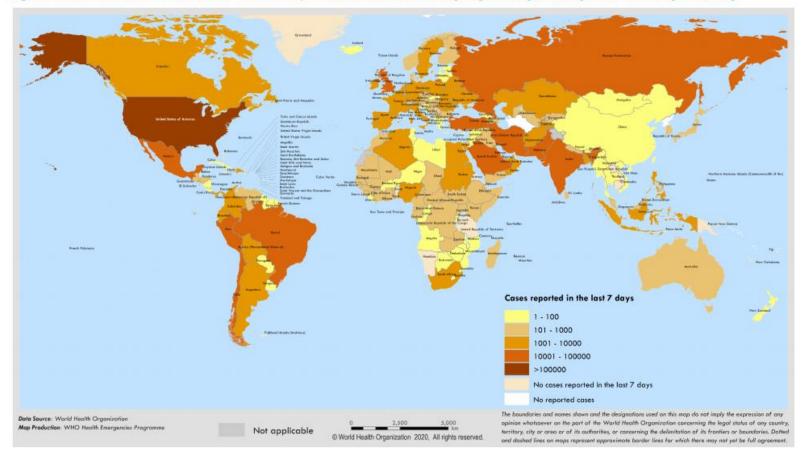


Source: <u>https://www.who.int/docs/default-</u> <u>source/coronaviruse/situation-reports/20200420-sitrep-91-</u> <u>covid-19.pdf?sfvrsn=fcf0670b_6</u>

Global situation

Surveillance

Figure 1. Number of confirmed COVID-19 cases reported in the last seven days by country, territory or area, 14 May to 20 May**





Source: <u>https://www.who.int/docs/default-</u> source/coronaviruse/situation-reports/20200520-covid-19-<u>sitrep-121.pdf?sfvrsn=c4be2ec6_2</u>

Global situation

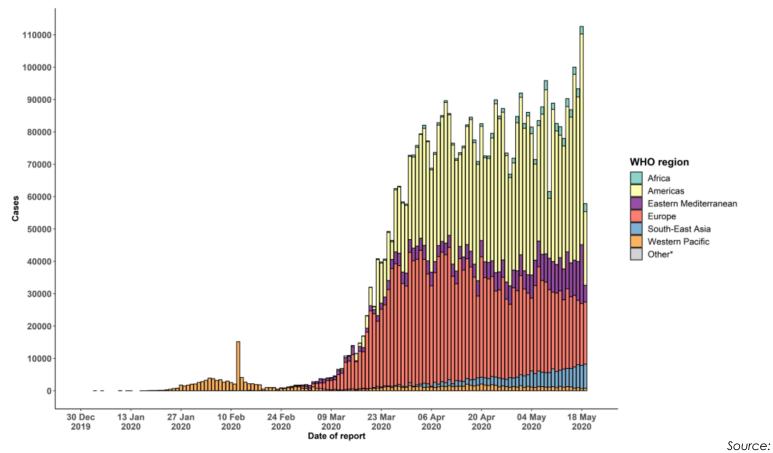


Figure 2. Number of confirmed COVID-19 cases, by date of report and WHO region, 30 December 2019 through 20 May 2020**

https://www.who.int/docs/default-

source/coronaviruse/situation-reports/20200520-covid-19sitrep-121.pdf?sfvrsn=c4be2ec6_2



Uses of indicators

• Snapshot of the actual current situation

• Removed from any emotion or rhetoric

• Shows where and how to focus strategies

- Testing
- Quarantine/Isolation
- Hospitals
- Health care workers
- Vulnerable groups
- Etc.
- Inform policy and decision-making

It is important to have a critical mindset when looking at the data



- Number of tests
- Reported number of cases
- Admissions to hospital
- Deaths
- Recoveries



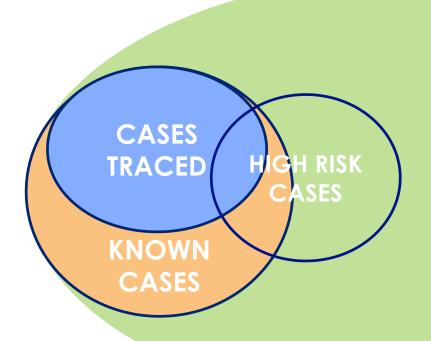
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The current situation



ACTUAL NUMBER OF CASES

:Source Adapted from a diagram by Dr D Pienaar



- Number of tests
- Reported number of cases
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- Recoveries



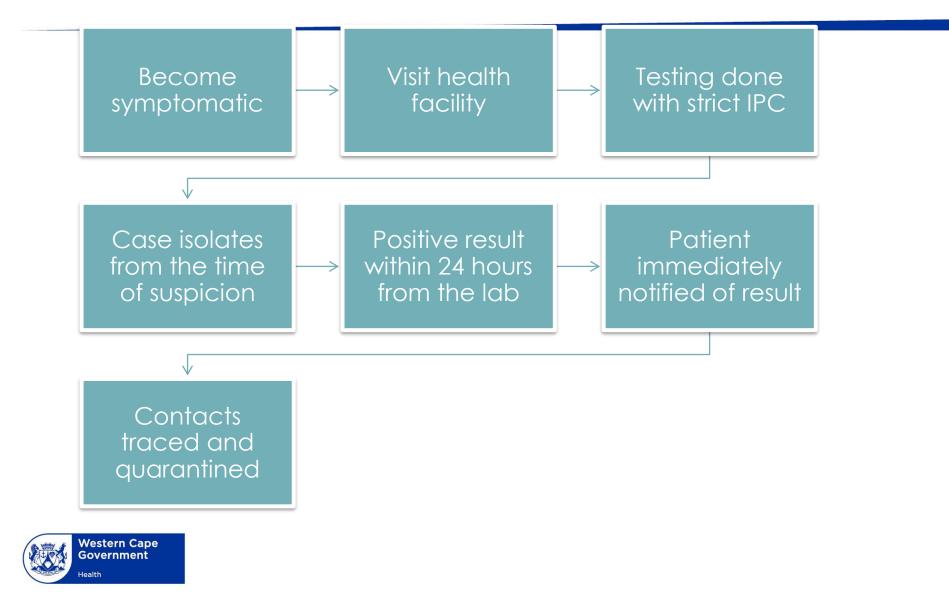
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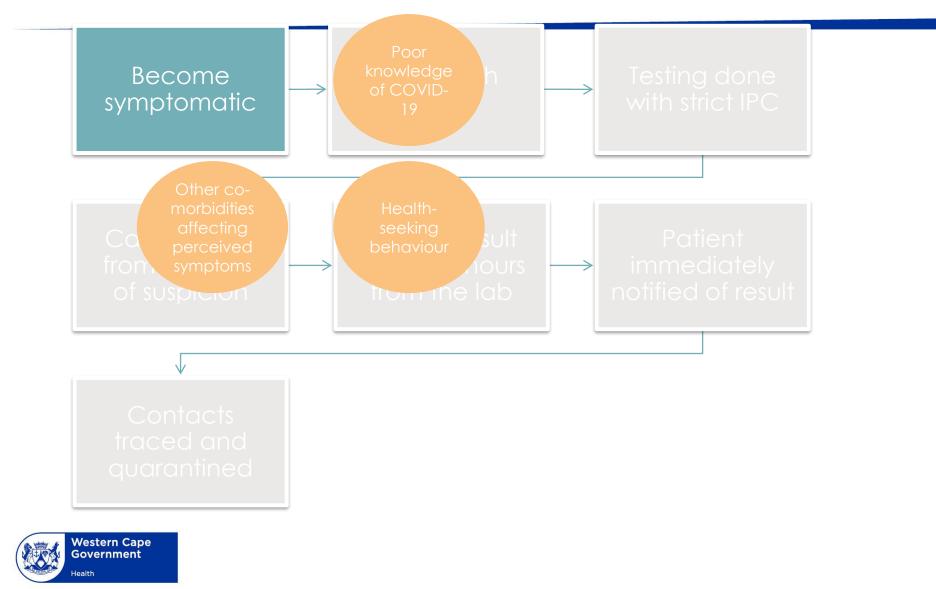


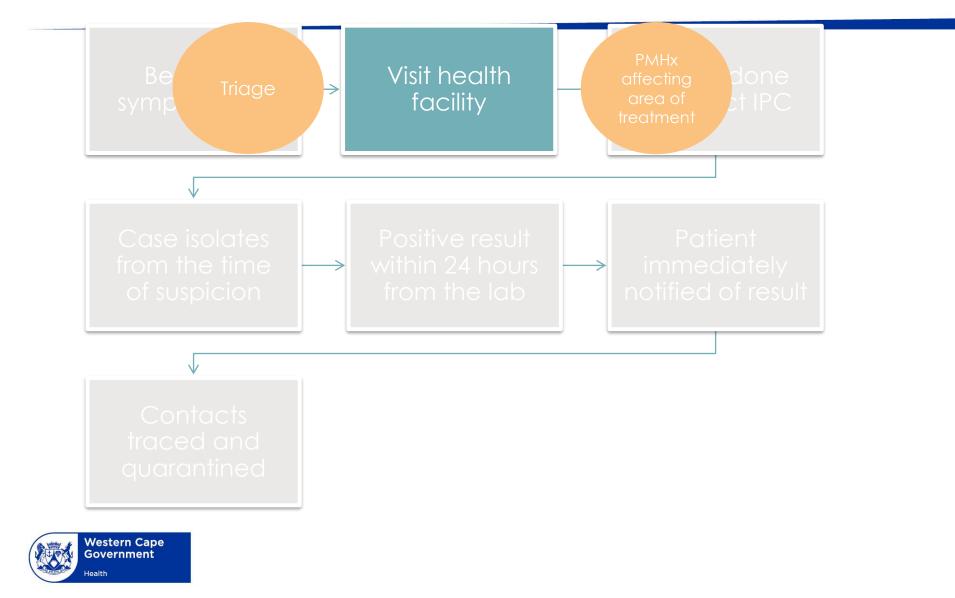
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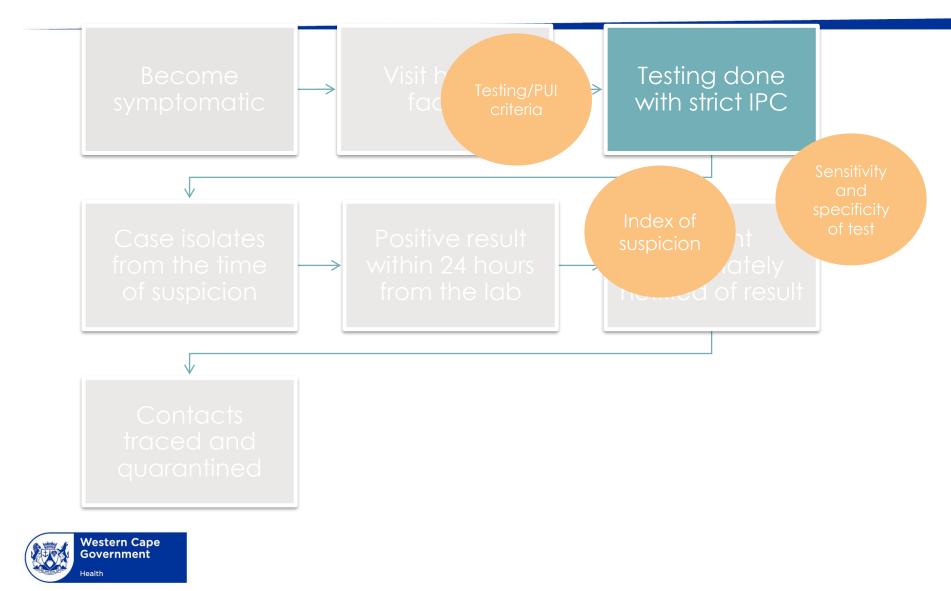


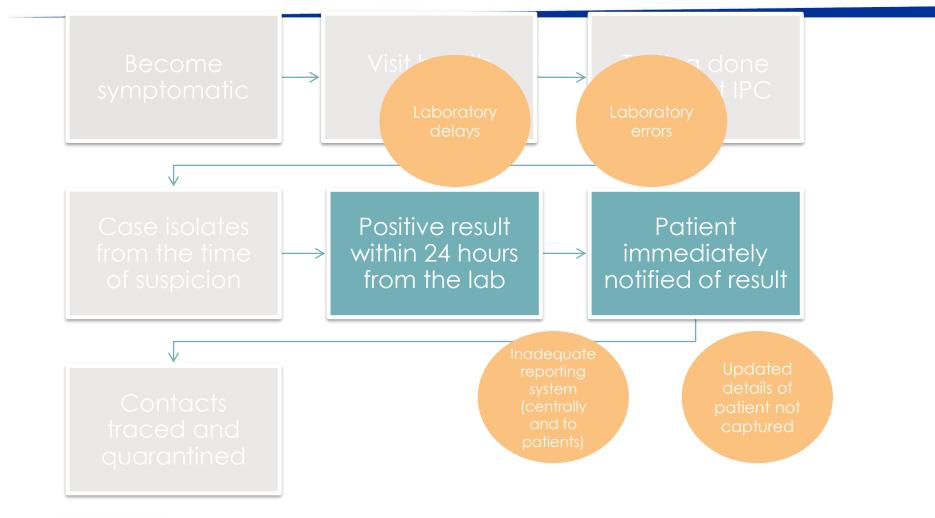
The ideal patient and data collection



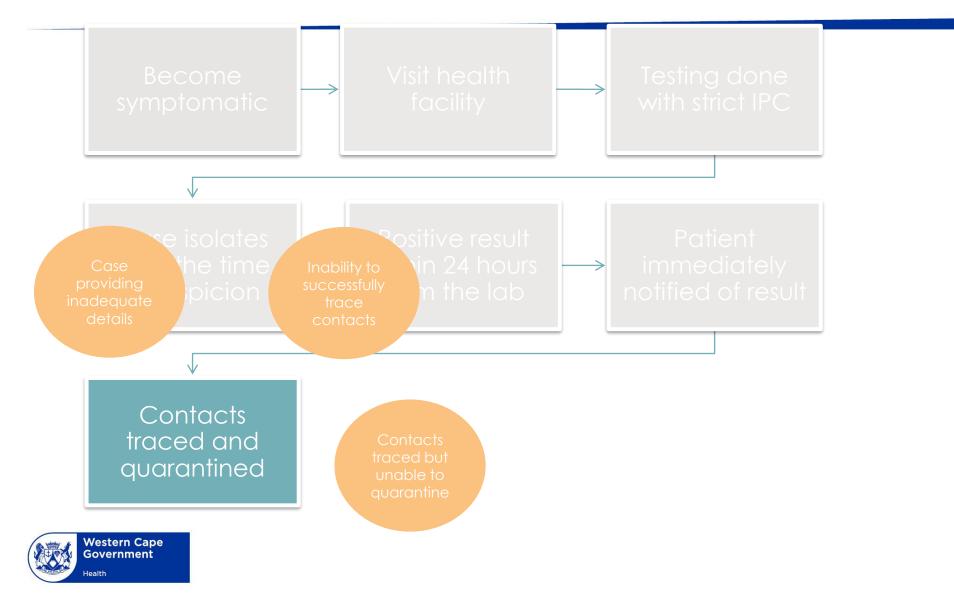












Surveillance

- Strength of surveillance
- Active surveillance
 - Looking for cases
 - Asymptomatic and recovered cases will be picked up
- Passive surveillance
 - Notification of cases without actively finding them
 - Incomplete reporting





- Combinations of types of surveillance used in tracking Covid-19
- Types of surveillance will affect the indicators used in reporting
- Indicators need to be used appropriately depending on data source and availability

It is important to have a critical mindset when looking at the data



Thank you