

Big data analysis report of the epidemic on May 10, 2020:

Since May, although most countries in the world have entered the controllable stage of the prevention and control of the COVID-19 epidemic, many African countries have begun to enter the peak of the epidemic development. Many countries in Asia, Europe, North and South America are still at the peak stage of controllable inflection point.

Brief background

Since April 2020, North America and Europe have become the focus of the world in terms of covid-19 epidemic prevention and control. The Win.D data team and Professor George Yuan's big data model team work together to launch analysis reports from time to time and share with you.

Using the official covid-19 epidemic data of Asia, Europe, South America and North America as of May 10, 2020 (and the analysis results of [1] - [5]), Based on iSEIR model (see [6] - [8]) all-round scenario simulation and scenario analysis, it is concluded that for the above-mentioned Asia, Europe, North and South America, many countries have entered a fully controllable stage in early May, 2020, but many countries in Africa have begun to enter the peak stage of epidemic development; Asia, Europe, North and South America are still in the peak stage of controllable turning point.

Part I: Based on the global situation before May 10, 2020

1) Japan, Israel, etc. in Asia; most countries in Europe (including Britain, Turkey, Serbia, Ireland, Sweden, Switzerland, Belgium, Norway, etc.); the United States and Canada in North America have entered the stage of controlling the prevalence of covid-19 in early May, which means that these countries have fully entered the second half of the controllable stage since the beginning of May.

Part II: Forecast Based on May 10, 2020

1) Singapore in Asia has been in full control of the second half of the COVID-19 epidemic since April 9 and May 1.
2) But India, Pakistan, Bangladesh, UAE, Qatar and Saudi Arabia in Asia; Russia, Belarus, Ukraine and Poland in Europe; Chile, Colombia, Brazil, Argentina, Peru and Panama in South America; Dominica and Mexico in North America are at the peak stage of controllable inflection point.

Part III: Based on the prediction of May 10's expectation for the situation in Africa

1) Since the beginning of May, Egypt, Algeria, Nigeria, Morocco, Senegal, South Africa, Ghana and other African countries have begun to enter the peak of COVID-19 epidemic. At the same time, due to the limited defense conditions and insufficient data and information in Africa, the prospects for the development of the epidemic in Africa are still unclear and need to be seen.

Note: The basic meaning of "control" in the report is that the change number of patients with new needles should not exceed 10% every day, and the balance should be kept stable for 6 consecutive drops.

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[2] Big data analysis report of epidemic situation (4.27): there are still many countries without inflection point of epidemic prevention and control, released by wind financial terminal platform, April 19, 2020.

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[3] Big data analysis report of epidemic situation (4.21): the turning point of many countries is near, but we should be alert to the rebound. The wind financial terminal platform was released on April 19, 2020.

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[4] Big data analysis report of epidemic situation (4.18): the turning point of multi-national prevention and control will appear before the end of the month. The wind financial terminal platform will be released on April 19, 2020.

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[5] Big data analysis report on epidemic situation (4.16): the turning point of prevention and control in the United States and Europe has arrived. The wind financial terminal platform was released on April 16, 2020.

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