CAICT 中国信通院

Leveraging the Power of 5G to Respond to the COVID-19

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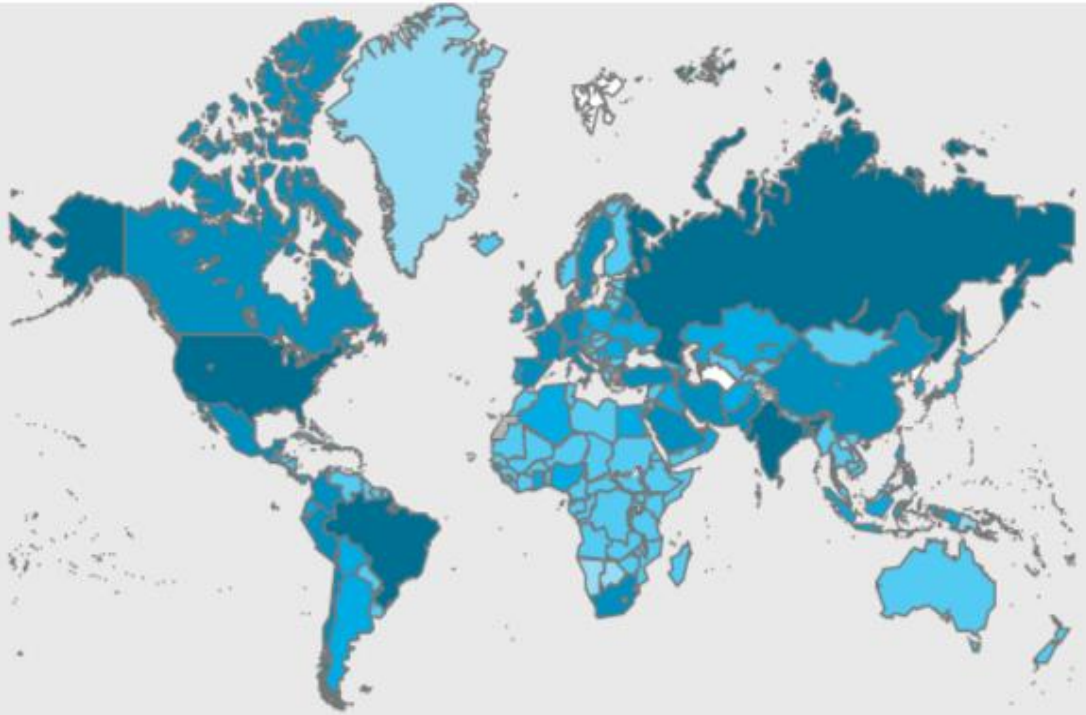
COVID-19 is Still Causing Significant Disruptions Globally

- Currently, the COVID-19 pandemic is still causing significant disruptions globally, affecting people’ s lives and health

World Health Organization

WHO Coronavirus Disease (COVID-19) Dashboard

Data source: WHO website



Download Map Data
Source: World Health Organization

Globally, as of **3:13pm CEST, 17 June 2020**, there have been **8,061,550 confirmed cases** of COVID-19, including **440,290 deaths,** reported to WHO.

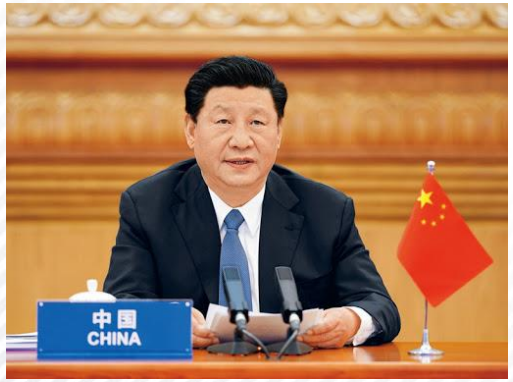
Using Digital Tech. to Fight Epidemic has Become a Consensus

World Health Organization

Providing **online medical training courses** in more than 40 languages (with the help of network platform provider)

G20 SAUDI ARABIA 2020

G20 Digital Economy Ministers Statement: Emphasize **the important role of digital technologies** to strengthen and accelerate our collective response to the COVID-19 pandemic

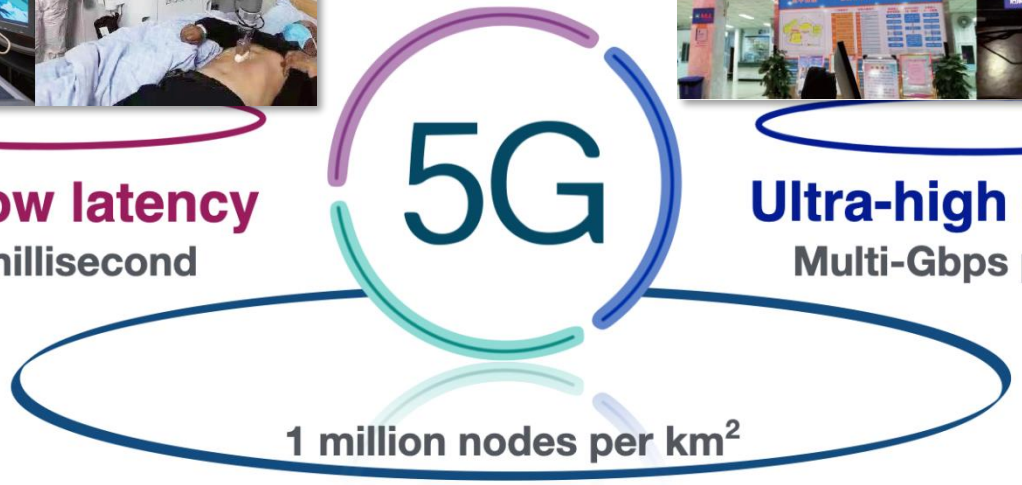


Chinese Government: Encourage the use of **digital technologies** to better support the epidemic situation monitoring, virus tracing, medical prevention and treatment, etc.

Using Digital Tech. to Fight Epidemic has Become a Consensus

5G-enabled remote ultrasound treatment

5G-enabled thermal imaging for temperature testing



5G-enabled robots for medical care

5G Commercial Services have Started Globally

- **Global**: More than **39 countries/territories** deployed 5G commercial networks, with more than **46 million 5G users**
- **China:** Has deployed more than **240 thousand 5G base stations,** with more than **36 million 5G users**

Data source: CAICT

Provide the key foundation for the use of 5G to respond to pandemic

Our Contributions

Mobile Industry Response to COVID-19 in China (CAICT GSMA 5GAIA)

Collection of use cases from the COVID-19 response in China

5G Application Store (CAICT 5GAIA)

https://www.appstore5g.cn/

More than 480 5G applications (including 127 use cases for fighting COVID-19)

Use Case 1: 5G Ensuring Emergency Communications

- During the construction of **Huoshenshan** and **Leishenshan** hospitals, **China Mobile, China Telecom, China Unicom** worked with **Huawei, ZTE**, etc., to deploy the **5G networks**

- Ensure **telemedicine**, **remote meeting & consultation**, also the **communication services** for health professionals and patients, etc.

Use Case 2: 5G Empowering Medical Rescuing

- The **5G-enabled ambulance** can support **continuous monitoring** and **remote diagnosis** for the patients during transit

Hospital

5G networks

Uplink data rate: 100+Mbps

5G-enabled ambulance

Let us Work Together to Fight Against Pandemic

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Specialized Think-Tank for Government

Innovation and Development Platform for Industry

Thanks!