



Patient Management System

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professor **John Jongsu RYU**



Prof. John Ryu was the Commissioner of HIRA International Group at Korea Health Insurance Review and Assessment Service (HIRA), a quasi-Korean government agency with its state of the art ICT operational infrastructure conducts 1.5 billion medical insurance claims review and quality assessment procedures annually for 51.5 million Korean citizens over entire 91,000 medical service providers.

As an internationally well-recognized lecturer and practitioner on Strategic Purchasing and Digitalized National Health Insurance Management, the Commissioner Ryu found HIRA Global UHC Campus Program (HGUC) in 2016 that HGUC offers training and consultation programs on many pivotal health insurance management subjects to over 30 nations in the past 5years. The vision of HGUC is to share technical knowledge, effective policy building strategies and procedures, globally innovative strategic purchasing methods, and hands-on data management and utilization know-hows.

Also, as HIRA's Global UHC envoy and a global UHC expert, Commissioner Ryu has worked extensively with over 20 nations' Ministry of Health to provide long-term and mid-term technical consultation projects in capacity building for national health insurance management teams and design strategic purchasing programs including China, India, Vietnam, Malaysia, Cambodia, Peru, Colombia, Philippines, Ghana, and Kingdom of Bahrain, and etc. In addition, he has been chosen in many years by the World Bank, WHO, Inter-American Development Bank, Asian Development Bank, and Bill & Melinda Gates Foundation to be the primary instructor /investigator and Executive Project Manager of many international consultation and capacity building projects.

Commissioner Ryu was also the Executive Project Manager of Kingdom of Bahrain's ICT based national health insurance system building project , total project budget including maintenance and enhancement works is about USD 35 M, created by the partnership between Bahrain's Supreme Council of Health and Korea's HIRA.



E-Government System of Korea Regarding Infections Diseases

Integration of 7 activities

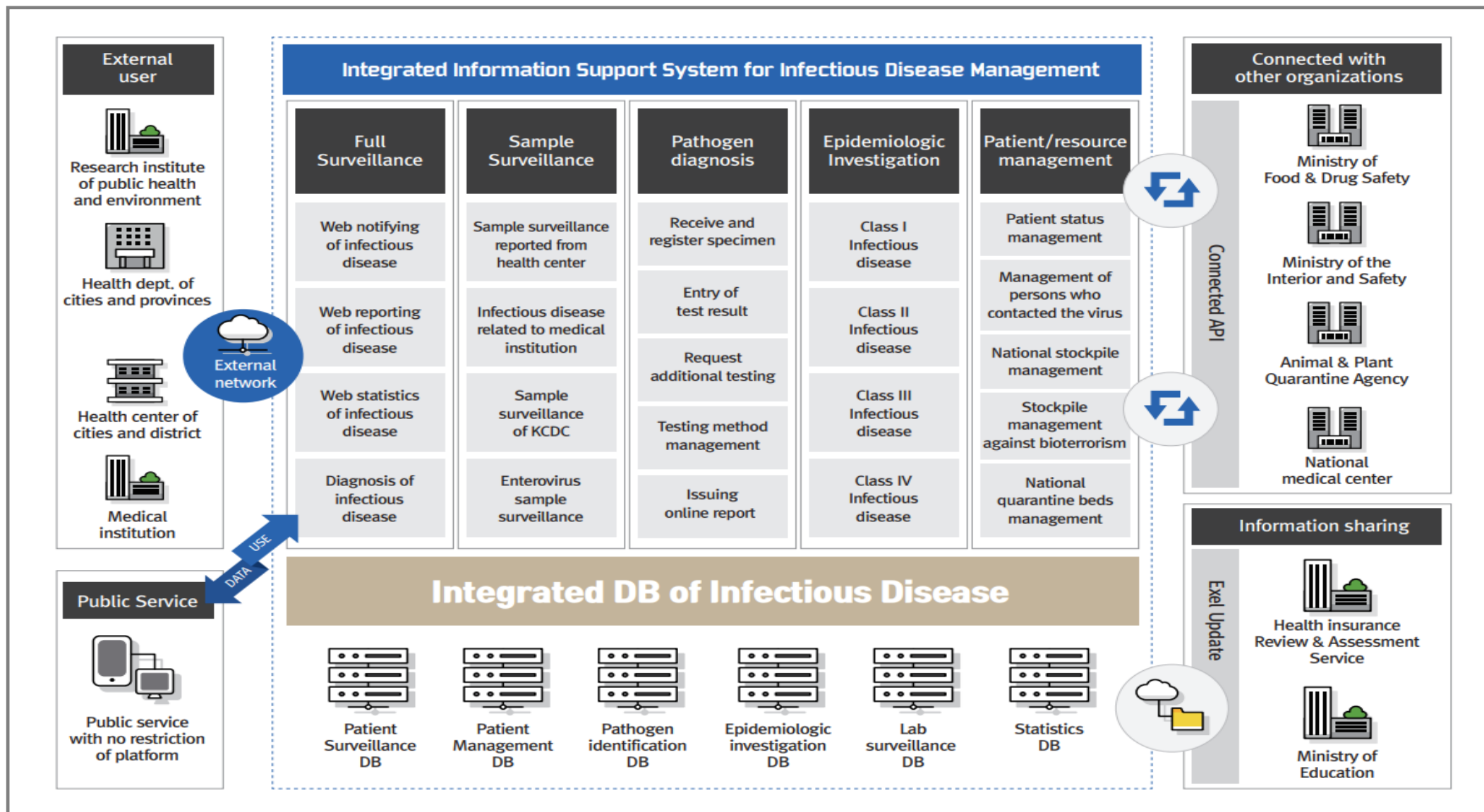
- 1 Monitoring of patients
- 2 Monitoring of pathogen & medium
- 3 Diagnosis of pathogens
- 4 Epidemiological investigation
- 5 Vaccination
- 6 Management patients and people having contact with them
- 7 Quarantine Management



To Do List & Dashboards of
“Integrated Information
Support System for
Infections disease
management”

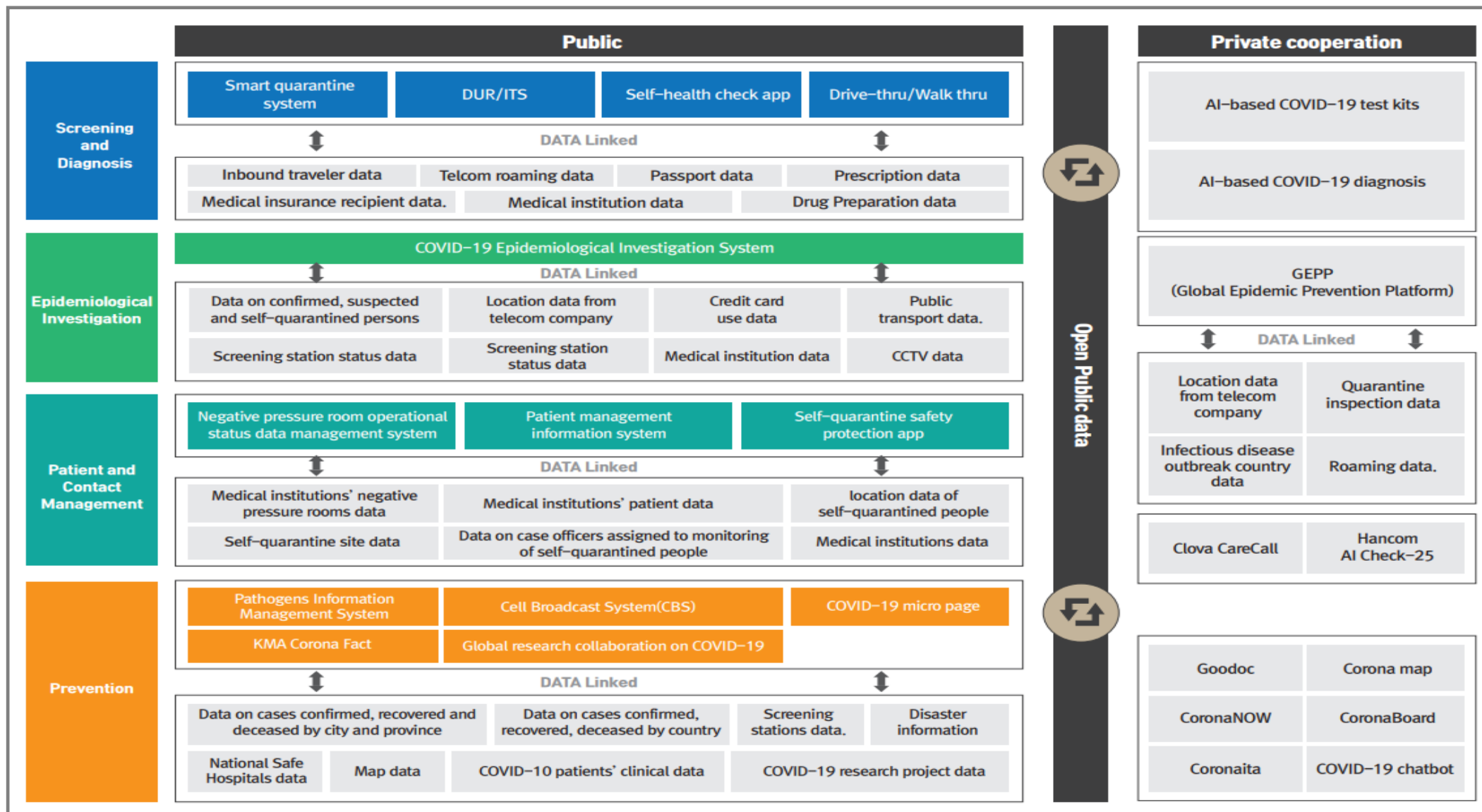
* (Inter-Ministry)

E-Government System of Korea Regarding Infections Diseases

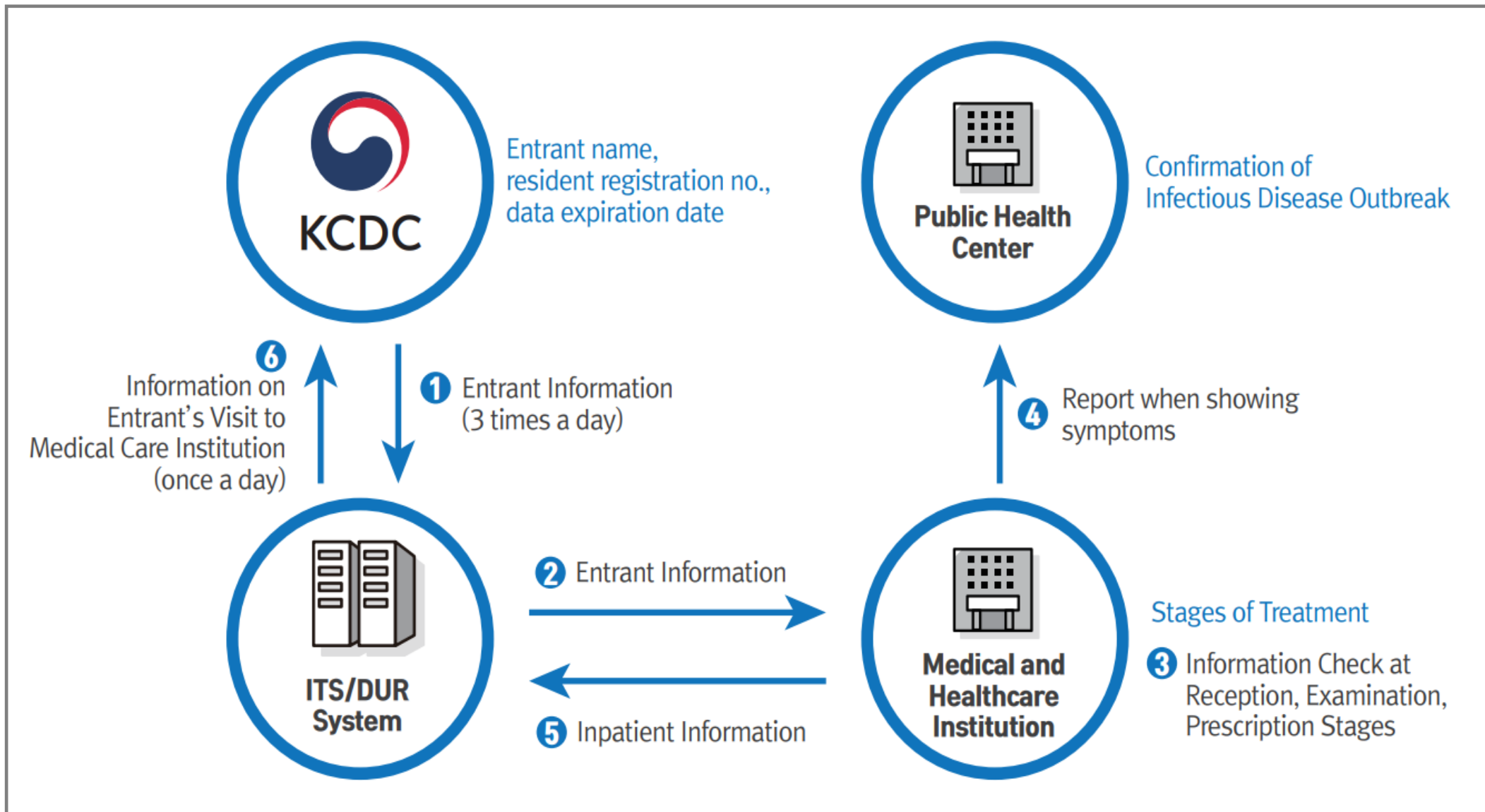




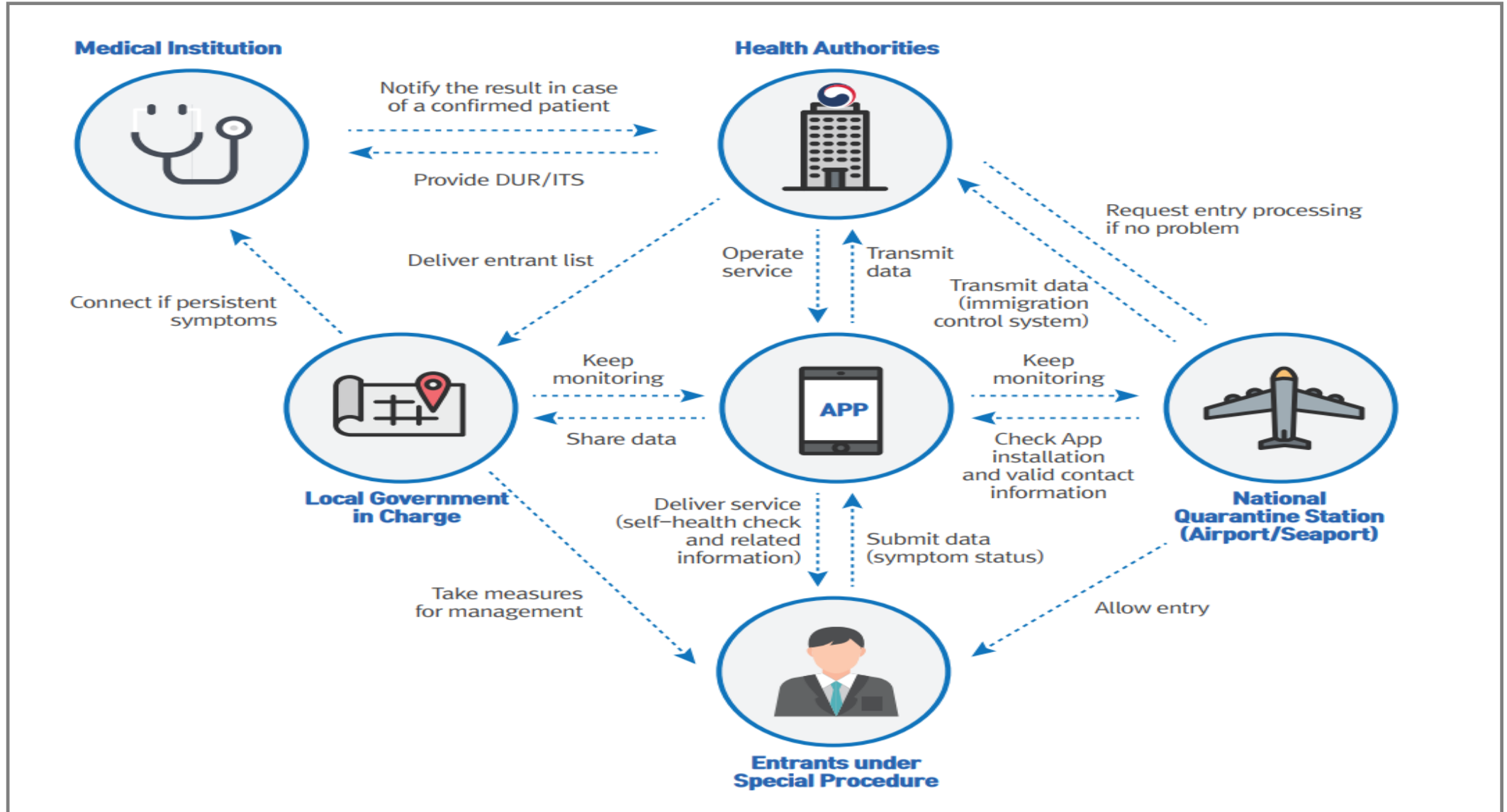
COVID-19 Response Case by Risk Alert Level and Related Information



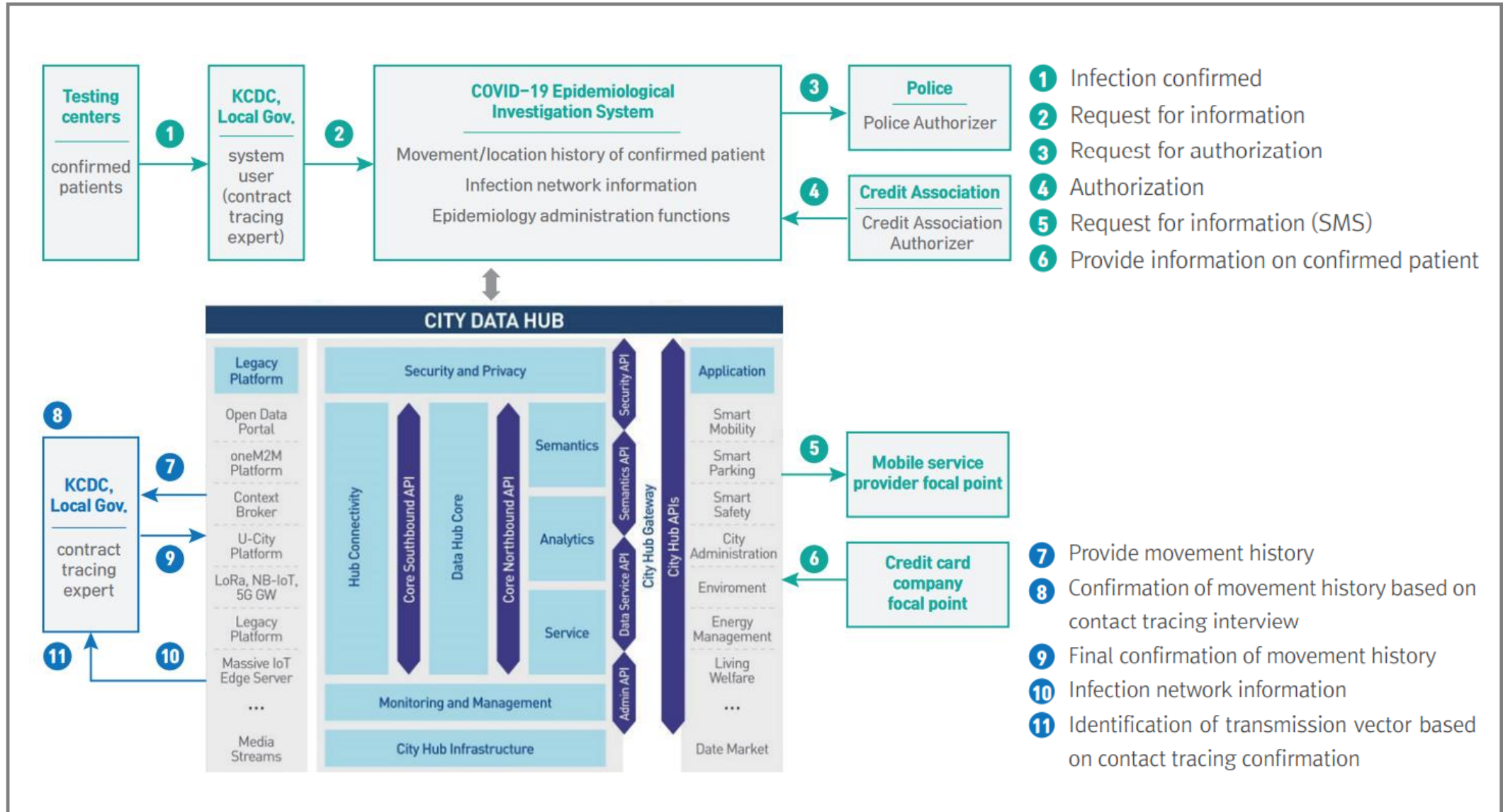
ITS / DUR Software Service Process



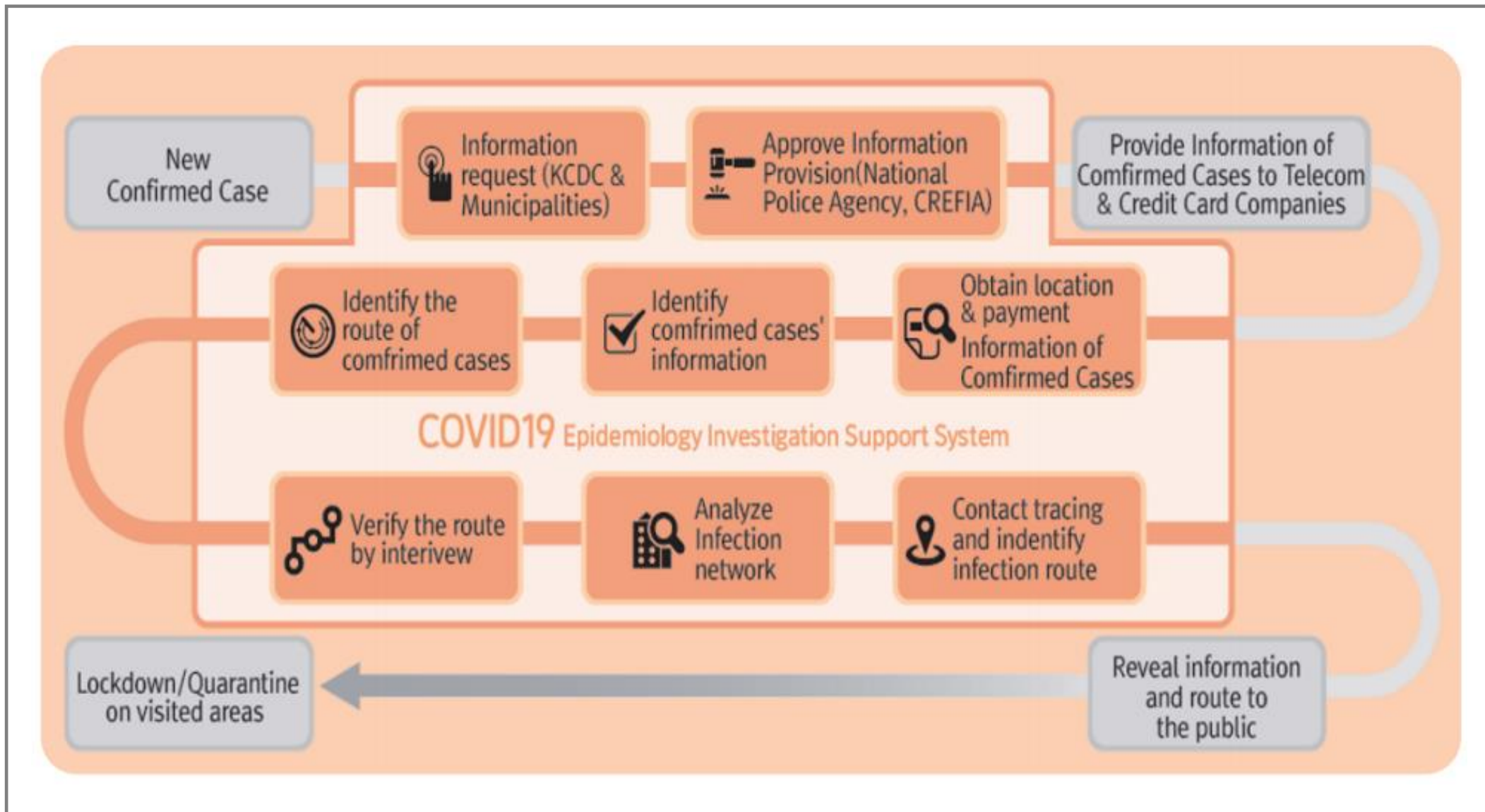
System Process



COVID-19 Epidemiological Investigation System



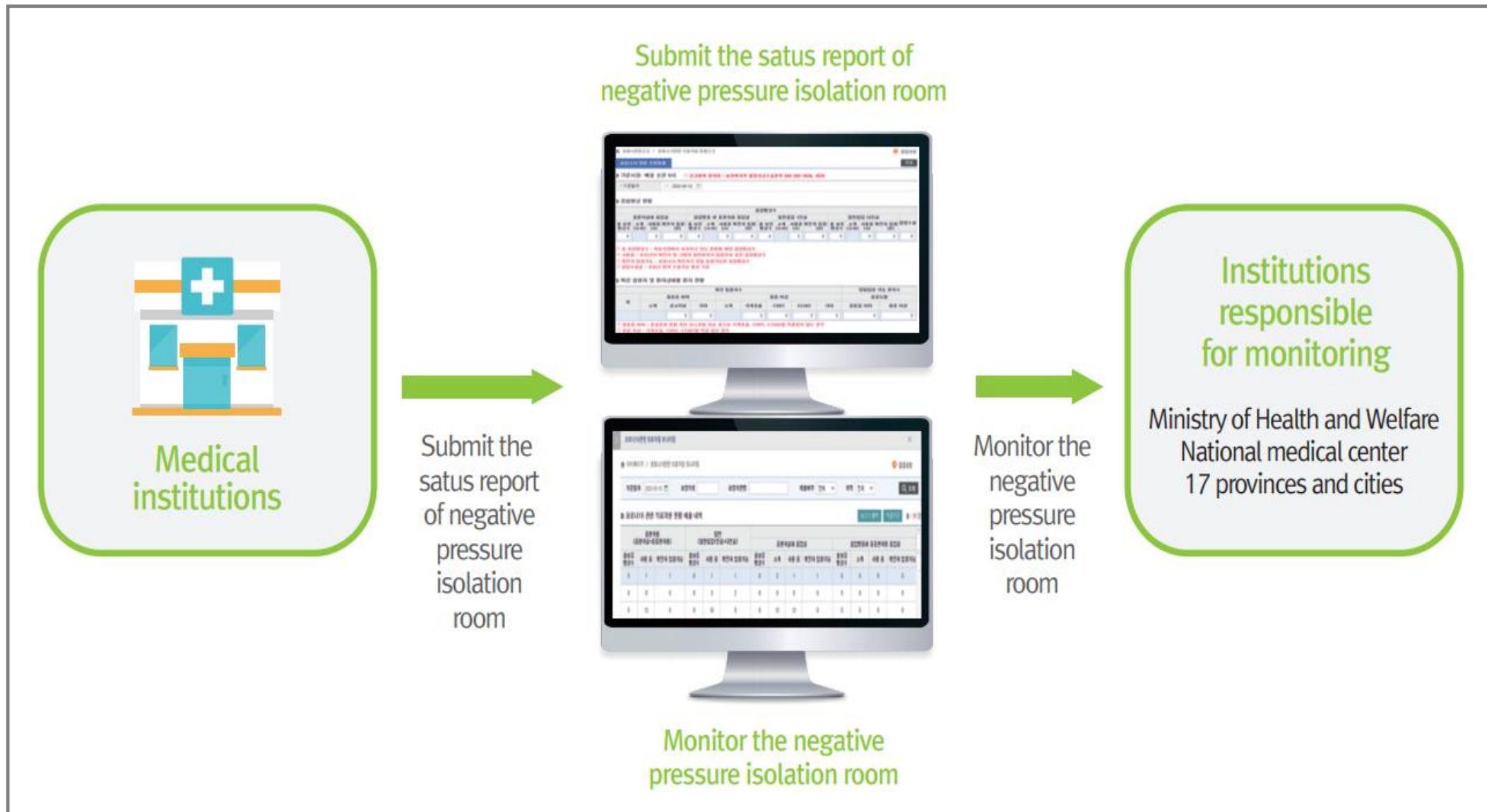
Epidemiological Investigation Support Flowchart



Self-Quarantine Safety Protection App Service



Negative Pressure Isolation Room Information System Process





Thank you very much!!

Be **Healthy** ! & Be **Safe** ! & Be **Happy** !

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