

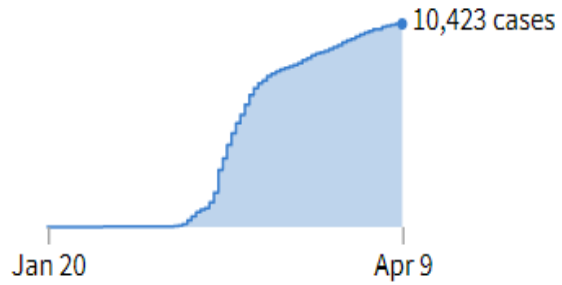


COVID-19

Lessons from Korea

Lee Hyorim

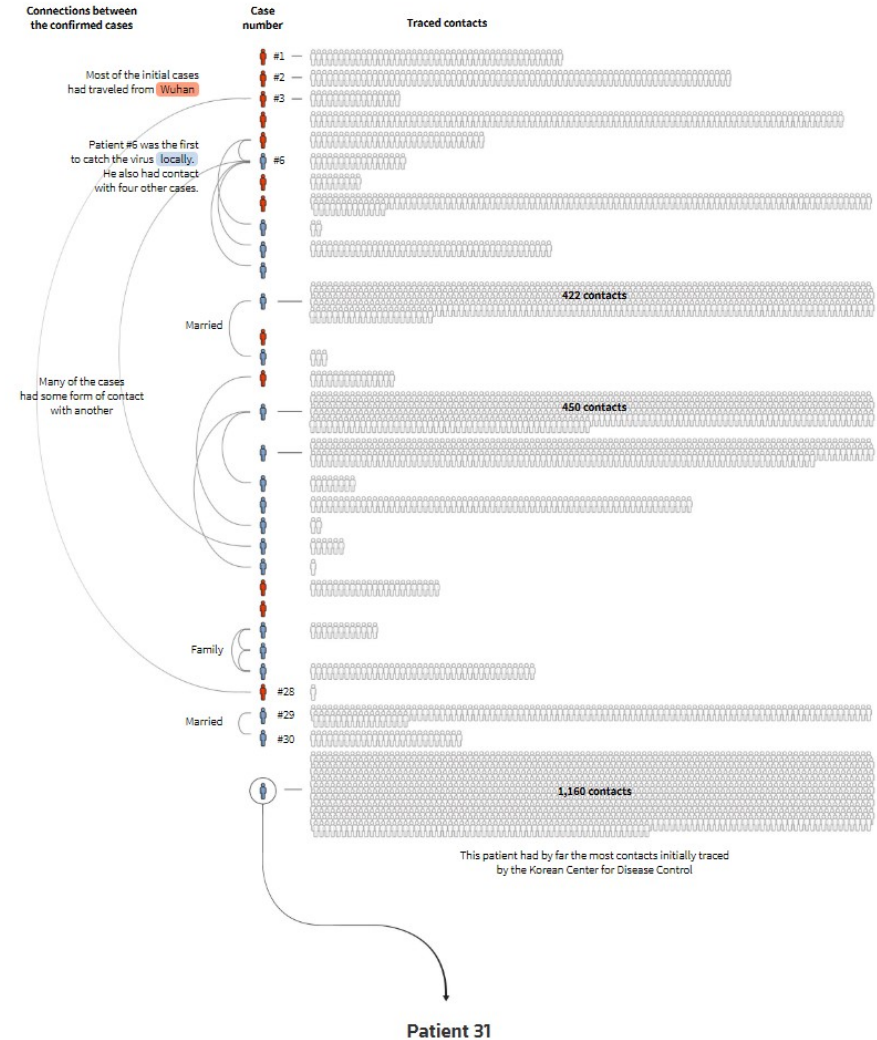
Situation Korea



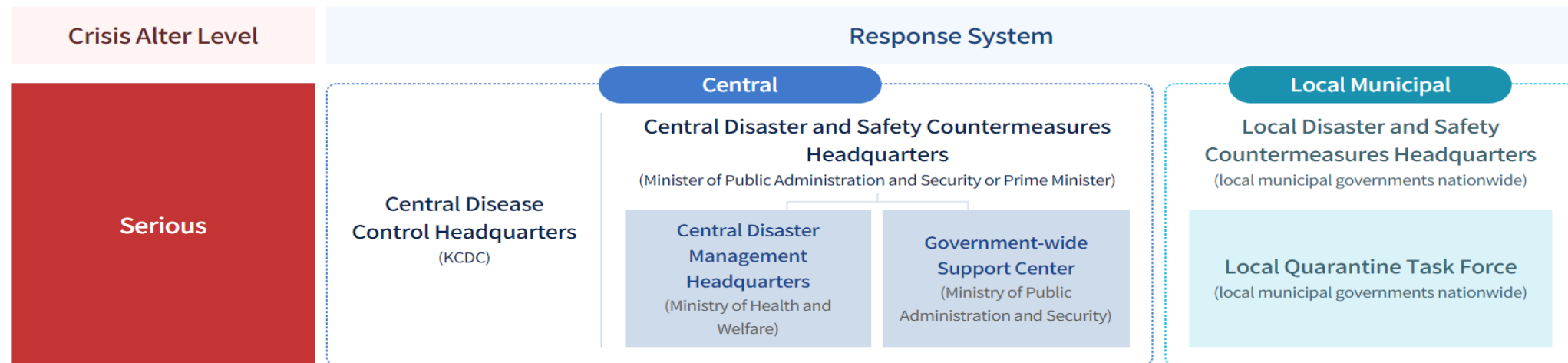
The Korean clusters

How coronavirus cases exploded in South Korean churches and hospitals

UPDATED MARCH 20, 2020



Korean Government's Response System (as of February 25, 2020)



A standard operating procedure (SOP)



- South Korea's SOP essentially calls for five steps:
 - ① An aggressive and transparent information campaign
 - ② High volume testing
 - ③ Quarantine of infected individuals
 - ④ Treatment of those in need
 - ⑤ Disinfection of contaminated environments

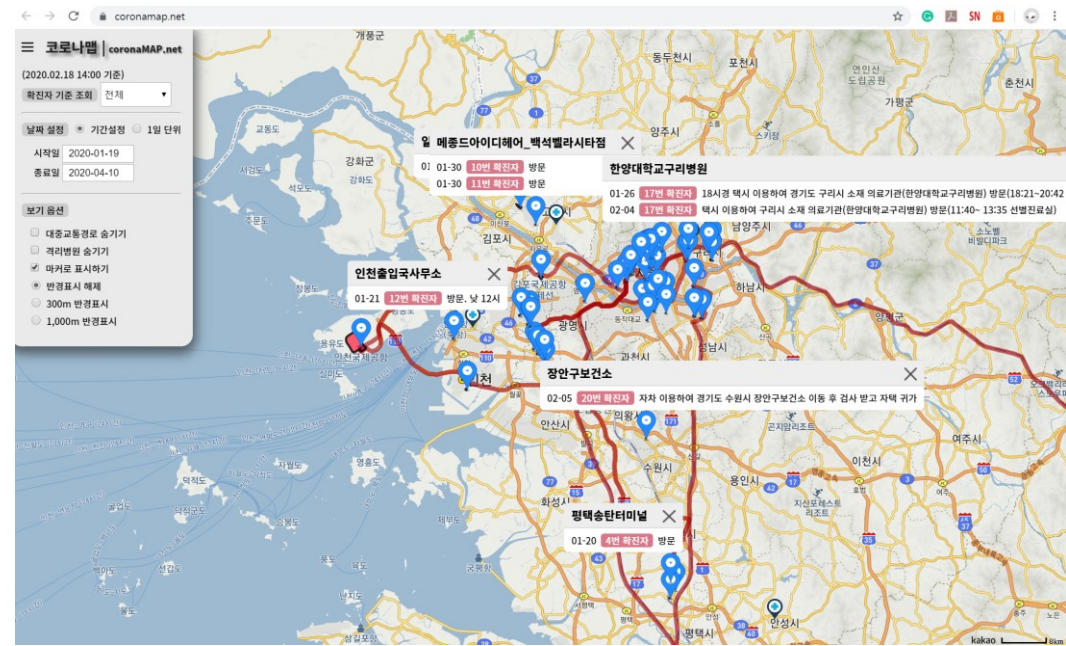
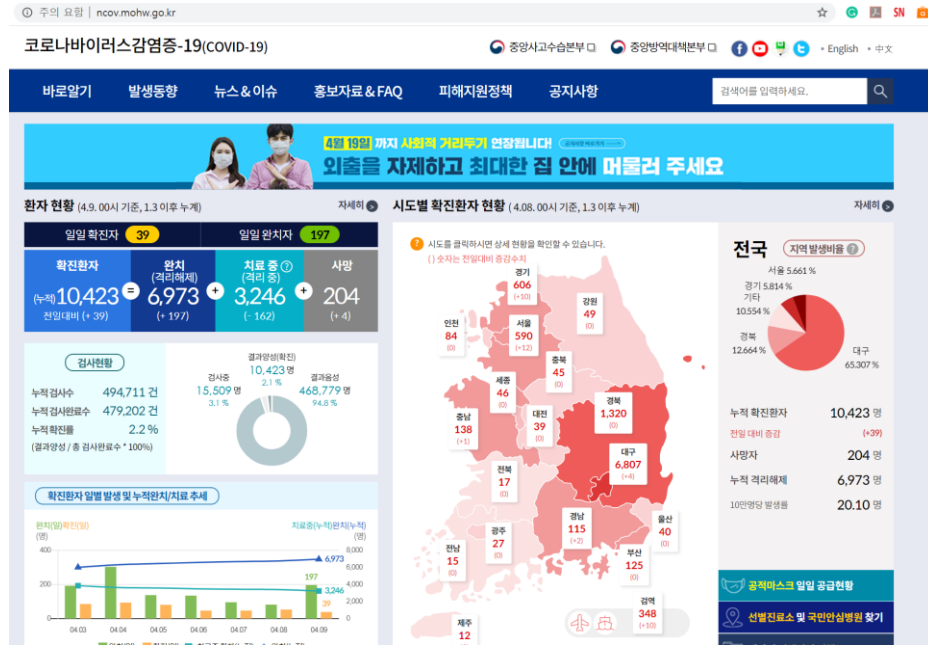
Justin Fendos, a cell biology Ph.D. from Yale living in Busan, South Korea

Lessons From South Korea's COVID-19 Outbreak: The Good, Bad, and Ugly Where South Korea has succeeded – and where it has struggled – in containing the new epidemic.

https://thediplomat.com/2020/03/lessons-from-south-koreas-covid-19-outbreak-the-good-bad-and-ugly/?fbclid=IwAR0a2R7CBvW1rtUhTHQzXJp592X0Jzs8CZDzNw8-XX3_jaDfp_qMkk2h9YA

'Trace, Test and Treat' – BBC, By Laura Bicker

An aggressive and transparent information campaign



Coronavirus Disease-19, Republic of Korea

Central Disaster Management Headquarters

Central Disease Control Headquarters

• Korean • Chinese

About COVID-19

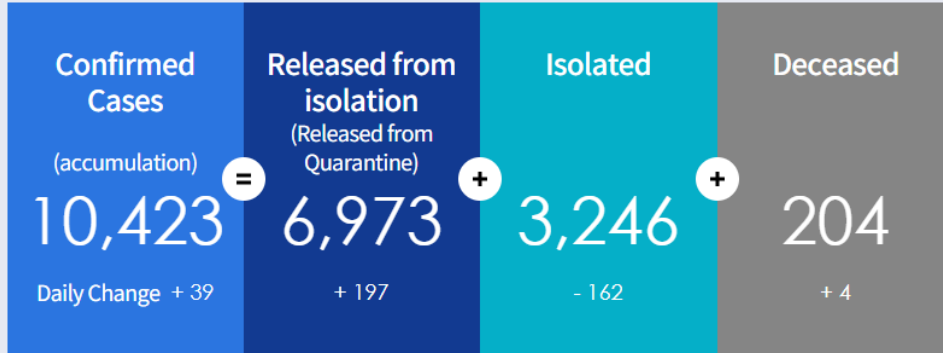
Latest Updates

Media Resources

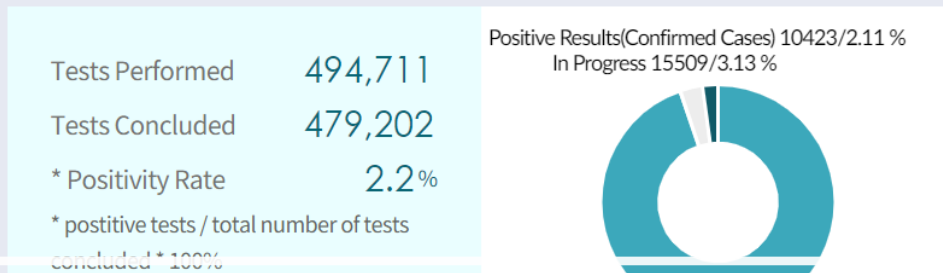
Public Advice

Notice

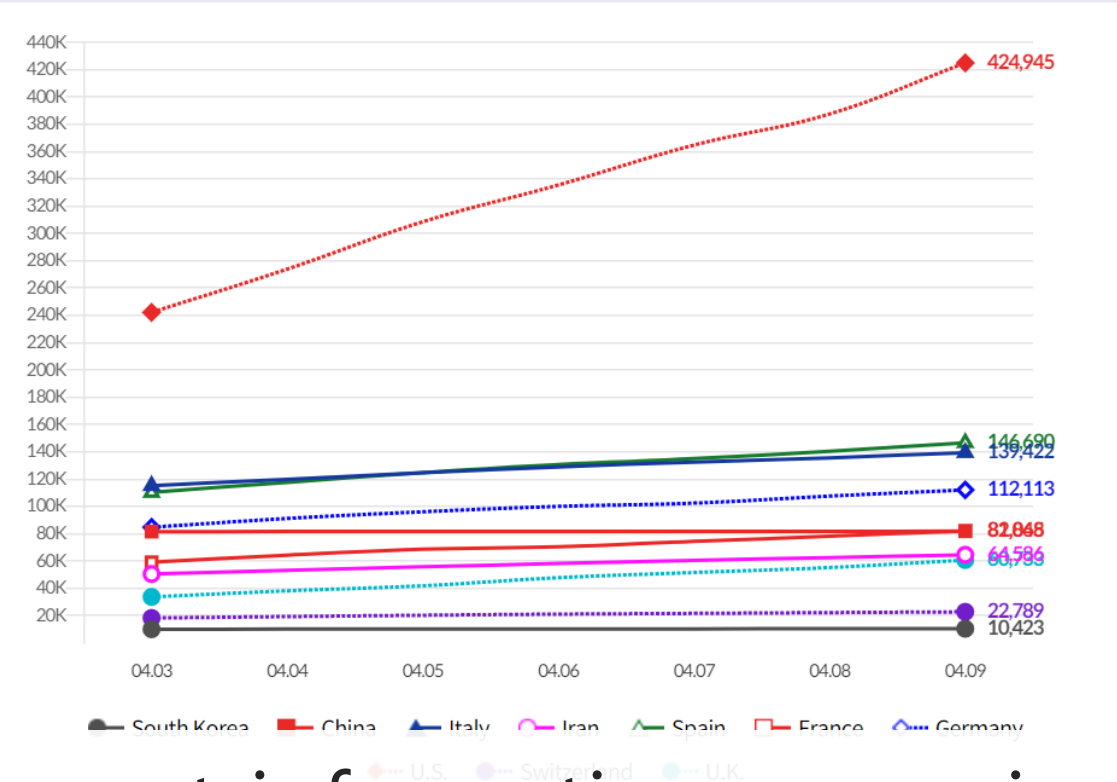
Cases in Korea (as of 12am on April 09, 2020, data aggregated from January 3)



Testing in Korea (as of 12am on April 09, 2020, data aggregated from January 3)



Weekly Updates for Countries with Major Outbreaks



An aggressive and transparent information campaign

Coronavirus outbreak(COVID-19)

Media

Public

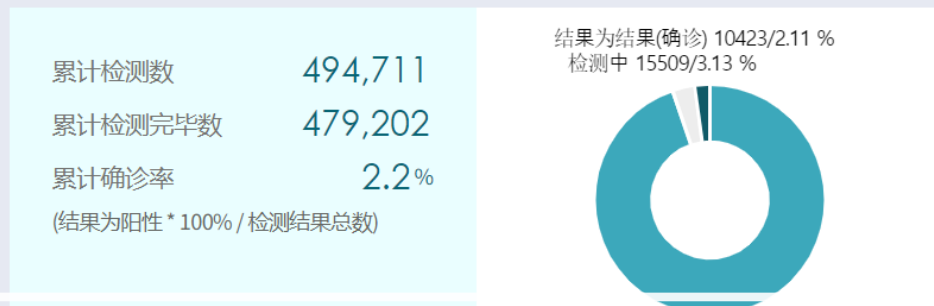
冠状病毒感染症疫情-19

- 简要了解
- 发生动向
- 媒体资料
- 建议事项
- 公告事项

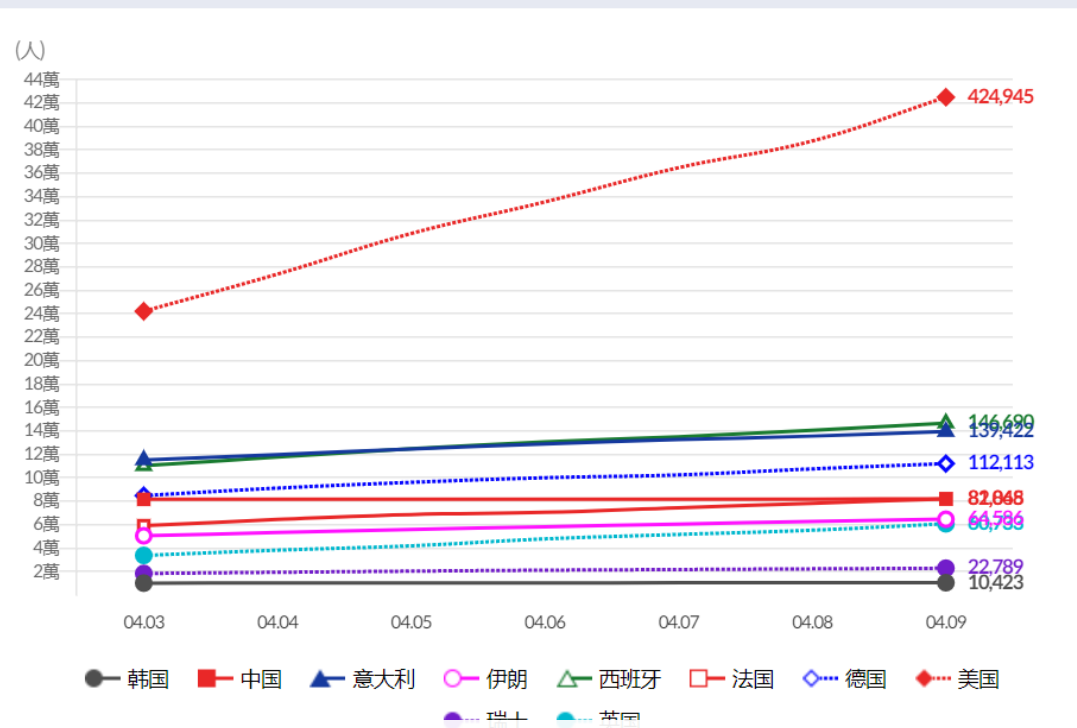
韩国患者现状 (截至 2020年04月09日00时, 1月3日以后累计)



韩国检测现状 (截至 2020年04月09日00时, 1月3日以后累计)



主要发生国家的一周动向



An aggressive and transparent information campaign



An aggressive and transparent information campaign

- The Korean government thoroughly identifies the whereabouts of confirmed cases based on their **credit card use history**, **CCTV**, and **mobile phone location information** and disclose the information transparently to prevent additional infections and help people learn whether they are contacts themselves.

95%

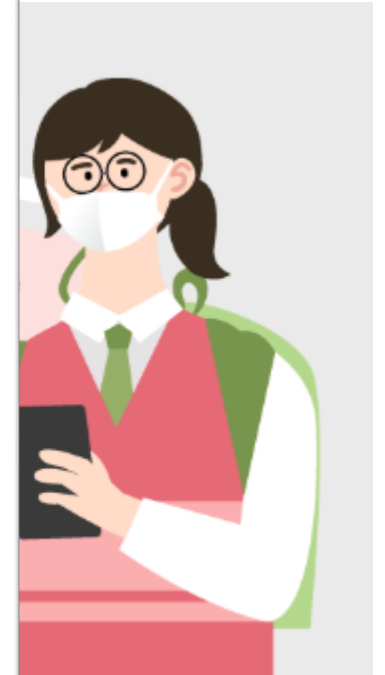
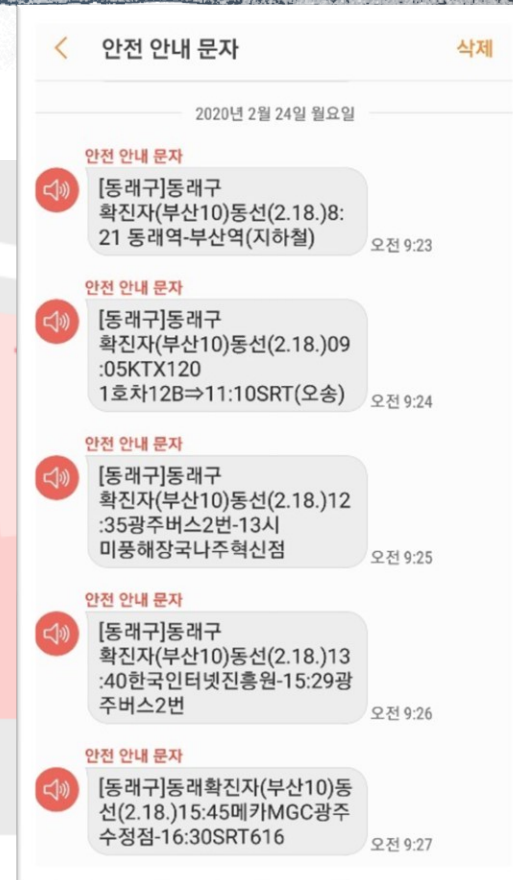
Smartphone

96%

Cashless

89%

VEDR



High volume testing

- **118 locations** – 23 public facilities, 81 healthcare facilities, and 14 commercial laboratories - that provide testing and diagnosis services
- the maximum daily testing capacity increased from 3,000 people (February 7) to approximately **15,000 people in March.**
- As of March 16, 2020, **635 clinics and screening centers** are in operation, of which 94.8 percent (602 locations) are equipped to collect samples onsite.

Tests Performed 503,051

Tests Concluded 487,753

* Positivity Rate 2.1 %

* positive tests / total number of tests concluded * 100%

累计检测数 503,051

累计检测完毕数 487,753

累计确诊率 2.1 %

(结果为阳性 * 100% / 检测结果总数)

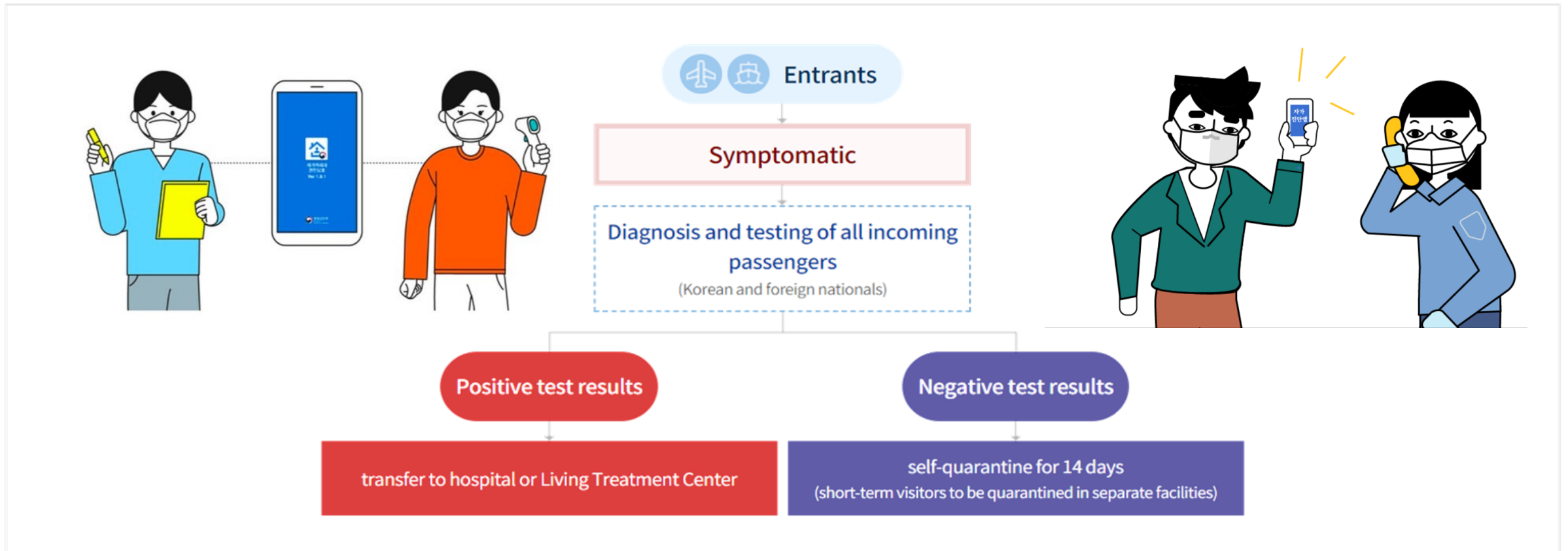
High volume testing



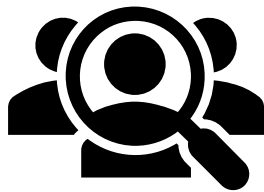
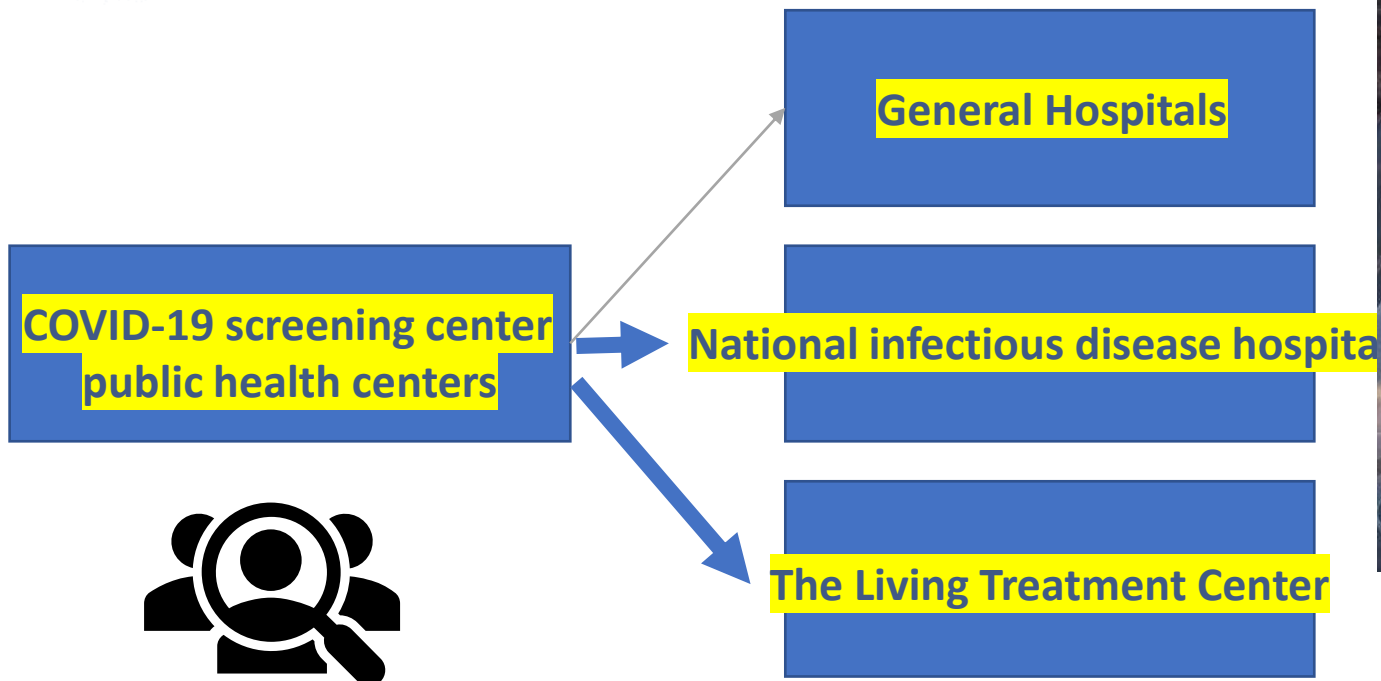
24 hours

High volume testing

✓ Flow Chart of Quarantine Inspection Procedures for Incoming Passengers from Abroad (beginning at 12am on April 1) - Symptomatic



Quarantine of infected individuals Treatment of those in need

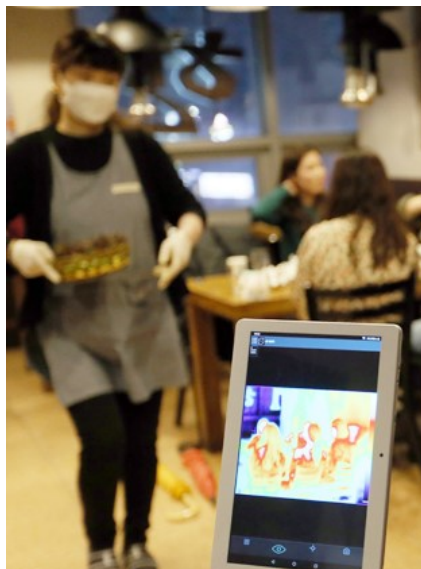


Level : mild, moderate, severe, and extremely

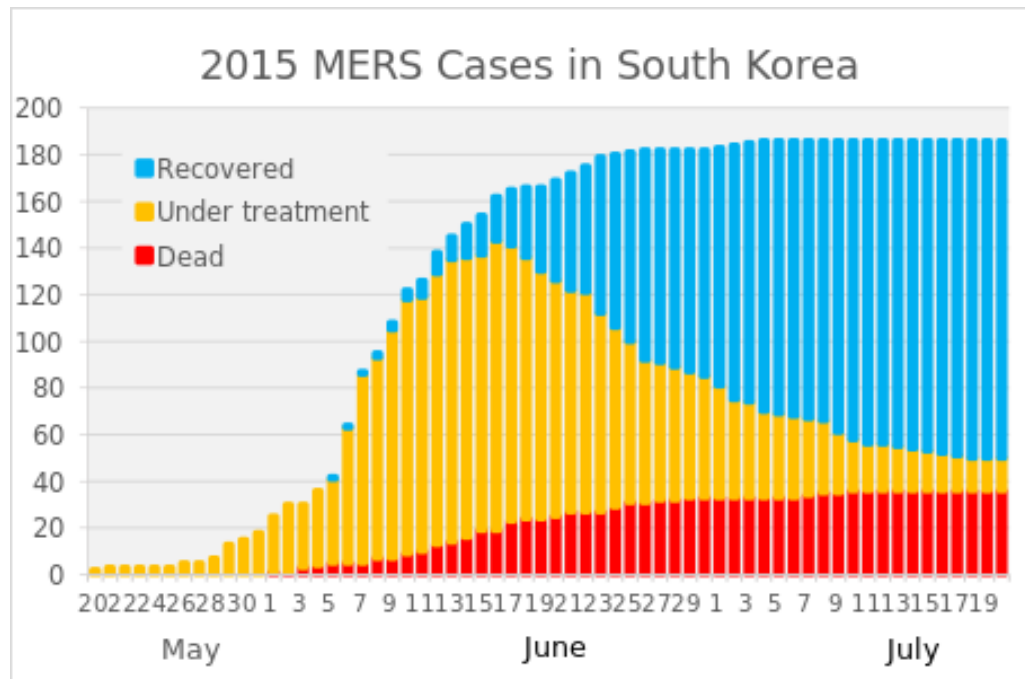
Disinfection of contaminated environments



Disinfection of contaminated environments



What Korea learnt from last disaster



21%

What Korea learnt from last disaster

관심 (Blue) 해외에서의 신종감염병의 발생 및 유행	2020/01/08 ↓
[정부 대처 보기]	
주의 (Yellow) 신종감염병의 국내 유입	2020/01/20 ↓
[정부 대처 보기]	
경계 (Orange) 국내 유입된 해외 신종감염병의 제한적 전파	2020/01/27 ↓
[정부 대처 보기]	
심각 (Red) 국내 유입된 해외 신종감염병의 지역사회 전파 또는 전국적 확산	✓ 2020/02/23
[정부 대처 보기]	

- 1/20 : Central Disease Control Headquarters 中央防疫対策本部
- 1/23 : First Warning Message via Mobile
- 2/12 : Fast Track for RT-PCR
- 2/23 : 코로나19대책特別委員會
(国会保健福祉委員會) Special Committee on Corona 19 Measures
- 2/27 : (National Assembly Health and Welfare Committee)

Other Backgrounds



References

- <http://ncov.mohw.go.kr/en>
- <http://www.cdc.go.kr/cdc/>
- https://thediplomat.com/2020/03/lessons-from-south-koreas-covid-19-outbreak-the-good-bad-and-ugly/?fbclid=IwAR0a2R7CBvW1rtUhTHQzXJp592X0Jzs8CZDzNw8-XX3_jaDfp_qMkk2h9YA