The current COVID-19 situation and response measures in Republic of Korea

Dr. Byungyool Jun
at the School of Medicine of CHA University
Cluster of cases of pneumonia of unknown origin reported to China National Health Commission

Jan 23, 2020 Containment of Wuhan

Jan 30, 2020 Secondary infection case

Jan 31, 2020 Tertiary infection

COVID-19 test available at local government

Jan 20, 2020 First confirmed case in Korea

Jan 20, 2020 Raise up the alert level to Yellow

Jan 3, 2020 Raise up the alert level to Blue

Jan 8, 2020 1st case in Thailand

Jan 12, 2020 Named as 2019-nCoV; Whole genome sequence shared with WHO

Jan 31, 2020 1st Wuhan evacuee

Feb 1, 2020 1st Wuhan evacuee

Feb 7, 2020 COVID-19 test available at private

Feb 12, 2020 Expand strict quarantine to HK, Macau

Feb 20, 2020 First death case in Korea

Feb 21, 2020 Declare a 'special management region' in Daegu, Chengde

Feb 23, 2020 Raise up the alert level to Red

Mar 1, 2020 Establishment of Life Treatment Center

Mar 12, 2020 Guideline for high-risk working environment distributed

Mar 5, 2020 Declare a 'special management region' in Gyeongsan

Mar 19, 2020 Special Entry Procedure extended for all travelers
The number of confirmed cases (as of 27 March)
Distribution of confirmed cases

(as of 27 March)

CFR = 1.49%

All confirmed cases

Fatal cases and fatality rate
Distribution by regions and clusters

(as of 27 March)

Regional distribution

Distribution by clusters

- Shincheonji
- Other clusters
- Imported cases
- Under investigation or sporadic cases
Response measures along with the progress of outbreaks
The number of Laboratory Testing (as of 25 March)

- **Testing Institutions (Total 118):**
  - KCDC, National Quarantine Station 4, Research Institutes of Public Health and Environment (RIPHEs) 18, Private medical Laboratories and hospitals 95

- **Capacity:**
  - Average ca. 15,000/day
  - ~ Max. ca. 20,000/day

- **Turn Around Time:** 6 ~ 24hrs
Ensuring early patient detection through screening clinics and diagnostic testing

- Operation of Drive-Thru Sample Collection & Screening Clinics
Contact tracing strategy: stepwise approach

**Investigation**
- **Interview**
  - Obtain information through patient interview (identify route)
  - If necessary, perform preemptive defense against infectious diseases
- **Collective objective information**
  - Gather additional information
  - Check and verify results of the interview
  - Perform evaluation for the classification of contacts

**Risk assessment**
- **Collective objective information**
  - Gather additional information
  - Check and verify results of the interview
  - Perform evaluation for the classification of contacts

**Contact classification**
- **Close contact**
- **Casual contact**

**Contacts management**
- **Move restriction**
- **Sx. monitoring**

**Contents**
- **Method/Tool**
  - Interview
    - Patient
    - Primary physician
    - Family
  - Investigate medical records
  - Phone location information (GPS mobile)
  - Card transaction log
  - CCTV (Closed-Circuit Television)

- **Perform contacts classification and management by following guidelines**
SMART quarantine information system after MERS outbreak in 2015

**Quarantine process linked to relevant institution**
Self Health Check Mobile App

Start to Mobile app

Proceed with special quarantine form

Proceed with daily Self Health Check

Check screening clinics

Special Quarantine Declaration

* Passport No. (パスポートばんごう)
  Please Enter Your Passport Number.

* Please select the Region you have visited or actually lived in the last 14 days. (最近14日以内に訪れていたり、実際に住む地域を選択してください。)

Select (選択)

Phone Number (携帯電話番号)

PHONE NUMBER VERIFICATION (携帯電話番号確認)

Emergency Contact in Korea (韓国内で連絡可能な知人の電話番号)

Please input numbers only, except a hyphen.

Name of School in Korea (韓国内の学校名)

Please enter the name of the school.

Daily Self-diagnosis

Choose the symptoms you have today (今日の症状を選択してください)

No symptoms (無症状) [☑]

Fever - above 37.5 degrees (体温が37.5度以上)
  YES (はい) NO (いいえ)

Cough (せき)
  YES (はい) NO (いいえ)

Sore Throat (のどの痛み)
  YES (はい) NO (いいえ)

Dyspnea (呼吸困難)(息切れ))
  YES (はい) NO (いいえ)

SUBMIT (提出)

www.mohw.go.kr
Social distancing campaign

As of 23 March

Avoid physical contact with other people.
Put 2-meter “healthy distance” between yourself and others.

No night out
No religious gathering
No indoor fitness facilities

As of 21 March

For the next 15 days, please participate in enhanced social distancing.

Stay home as much as possible.
Cancel or postpone non-essential travel, events, and social gatherings.

High-risk facilities are strongly recommended to suspend operation.
Religious facilities, indoor fitness facilities, nightlife venues

Venues that remain in operation must strictly comply with the infection prevention guidelines.