CECC response measures for addressing COVID-19 outbreak in Taiwan

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Epidemic situation in Taiwan

Number of persons tested: 15,413
Confirmed cases: 49

• **Age**: 56% are over 50 years old
• **Medical history**: 50% have diabetes, hypertension
• **Released from isolation**: 20 cases

Trend: with the COVID-19 spread worldwide, risk of imported infections continues to rise, and there is still a risk of community spread in Taiwan.
## Coronavirus Disease 2019 (COVID-19) Travel Health Notices

<table>
<thead>
<tr>
<th>Level 1: Watch</th>
<th>Practice usual precautionary measures.</th>
<th>Czech Republic, Estonia, Finland, Greece, Hungary, Ireland, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovakia, Slovenia, Thailand, United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 2: Alert</td>
<td>Practice enhanced precautionary measures.</td>
<td>Austria, Bahrain, Belgium, Denmark, France, Germany, Iceland, Japan, Kuwait, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland</td>
</tr>
<tr>
<td>Level 3: Warning</td>
<td>Avoid all nonessential travel.</td>
<td>China (including Hong Kong and Macao), Iran, Italy, South Korea</td>
</tr>
</tbody>
</table>
**Principles for determining travel notice levels**

Based on the following aspects in each country:

- Epidemic indicators
- Monitoring system
- Epidemic information Transparency
- Status of community transmission
- Closeness of social exchanges between Taiwan and the country
- Prevention measures implemented by the country
Boarder Control

Fever Screening

Self-Health Management Notice

Home Quarantine Notice

Cell Phone Registration on Database

Management Database
Persons with travel history to “Travel Notice Level 3” countries — **Home Quarantine**

Persons with travel history to China, Hong Kong, Macao, South Korea, Iran or Italy

**Home Quarantine**

Local civil affairs bureau or borough chief
Active monitoring once or twice a day

- Heath authority issues **“Health Declaration Card and Home Quarantine Notification”**
- The individual is to stay at home or a specified location and not leave specified location and may not use public transportations
- Individuals not adhering to the above measures will be penalized under the relevant regulations and be forcibly placed
Persons who had contact with confirmed cases—Home Isolation

- Health authority issues a “Home isolation Notification”
- The individual is to stay at home (or designated location) and not go out, and may not leave the country or use public transportation
- Individuals not adhering to the above measures will be penalized under the relevant regulations and be forcibly placed
Monitoring

Home Isolation/ Home Quarantine

Their Cell phone
GPS location

Leave home or Lost contact

Telecom operators
Send massage

Police officer
Location checking

Public
Required to return home and turn on their mobile phone
Care and support system

- Local government hotline
- Meal delivery
- Garbage collection
- Settlement
- Family visiting
- Symptoms-designated ambulance
- Non-suspected symptoms-Medical care arrangement
Group quarantine

Number of facility: 13 facilities

Capacity: facilities accommodate about 1500 people

Persons subject to group quarantine:

- Evacuees from Wuhan and those from Diamond Princess
- Persons not adhering to home quarantine measures
- Persons subject to home quarantine without a residence
Expanding cases monitoring

A. Broadening criteria for case reporting

B. Enhancing community-based monitoring program

C. Expanding tracing for community-based monitoring
   a. Traces and tests patients using NHI data
      • Reinforces case reporting for pneumonia cases with travel history
      • Test results: 0 positive
   b. Traces and tests reported severe complicated influenza cases which tested negative
      • Test results: 1 positive
Nosocomial infection management

1. Patient diversion
2. Patient ward segregation
3. Visitor management
4. Personnel management
Medical response actions-testing & triage

134 healthcare facilities for response and isolation for **mild cases**
Availability of negative pressure isolation beds: 58%
578 available beds/1000 beds in total

167 healthcare facilities for testing

50 regional, medical centers for **severe cases**
Availability of negative pressure isolation beds: 51%
273 available beds/537 beds in total
Risk assessment of large-scale public gatherings

Assessing necessity of holding events

Higher risk events postponed or cancelled

Producing a prevention and response plan

Indicators for risk assessment

- Ability to gain information on participants beforehand
- Air ventilation and replacement
- Whether participants are in a fixed position
- Distance between participants
- Event duration
- Hand hygiene and surgical masks

Higher risk events postponed or cancelled
Production increase

- Requisitions domestic masks
- Assists manufacturers in acquiring equipment to boost capacity

Control and management

- Online ordering mechanism for name-based rationing system
- Control of mask export
- Restriction on carrying masks abroad
- Medical care, disease prevention, patient care are our priorities

Mask policy
Some things can wait

Seek medical care when ill

Rest at home as instructed

Avoid traveling before recovering
International Collaborations

• WHO
  • Taiwan CDC reported Taiwan’s confirmed cases of COVID-19 to WHO IHR Focal Point.
  • Taiwan CDC joined the teleconference with WHO/EURO regional office, ECDC and relevant EU countries to discuss and exchange contact tracing information on Taiwan’s 4th confirmed case who had visited several EU countries in January.
  • Two experts were invited by WHO to attend the Global Research and Innovation Forum online from February 12 to 13, 2020.
  • Taiwan CDC began to be invited to several WHO clinical and infectious control teleconferences from January 31, 2020.

• Bilateral and Multilateral Collaborations
  • Information sharing and exchange on epidemic situation, contact tracing, travel history, border control measures with Japan, South Korea, Singapore, Malaysia, USA, UK, ECDC and EU countries including Italy, France, Netherland, Swaziland, Germany and Belgium through the IHR NFP mechanism.
  • Taiwan CDC shared experiences on response to COVID-19 with the APEC member Economies.
Thanks for your attention