

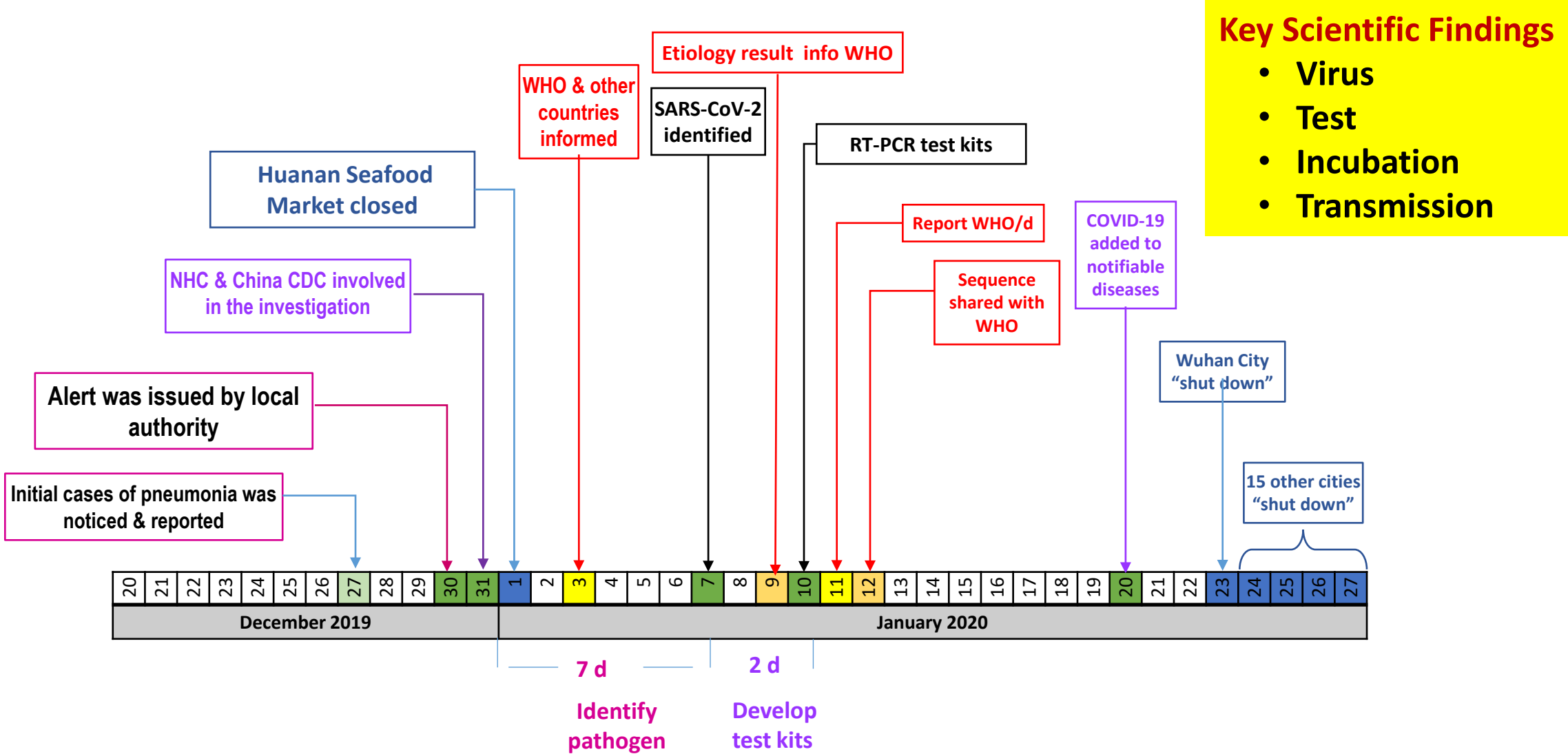
# **China's Response to COVID-19**

**Zunyou Wu**

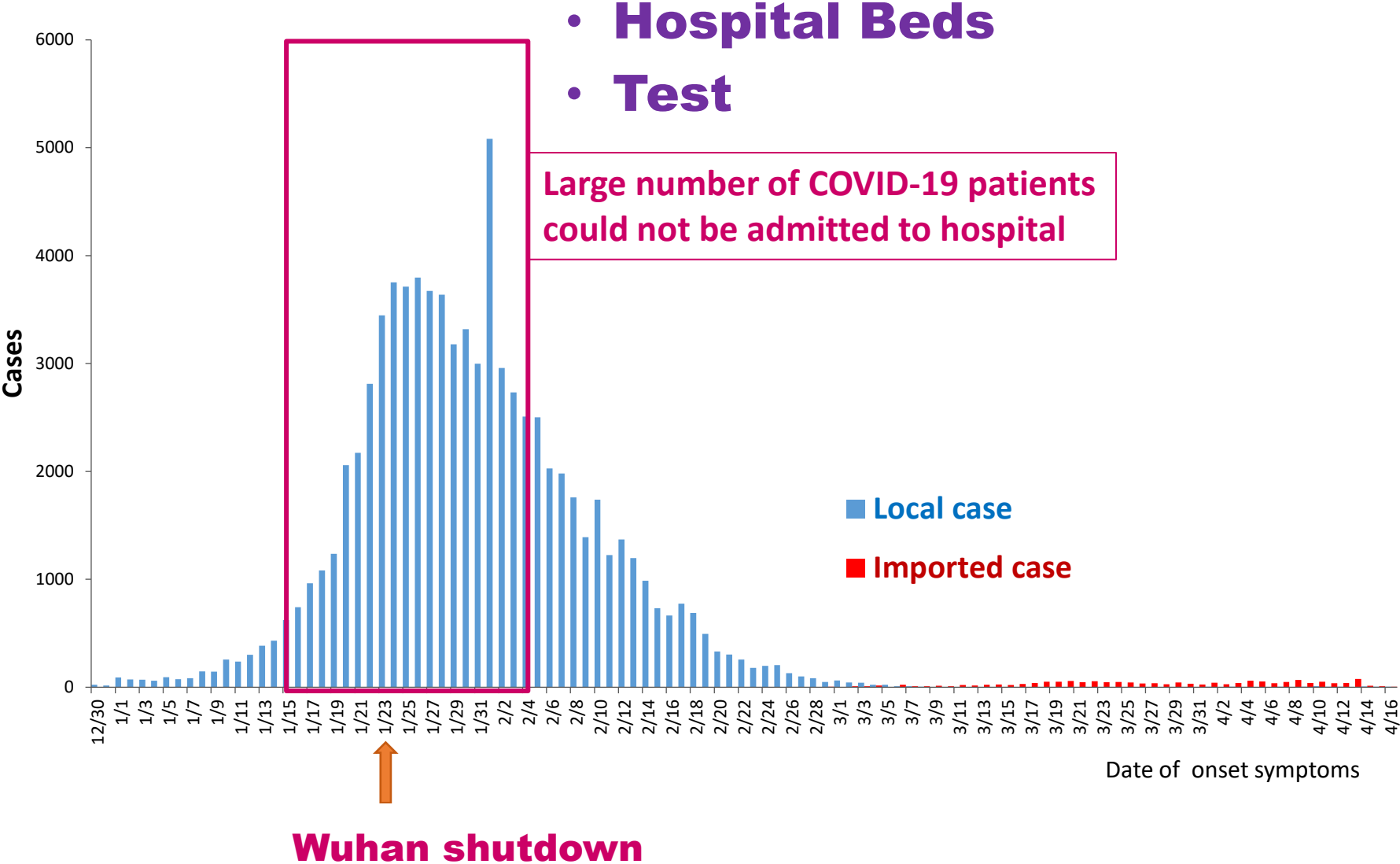
**Chief Epidemiologist China CDC**

**2020.07.16**

# Early Events



# Bottlenecks in the early outbreak



## **China uses fundamental public health measures...**

- **Universal population measures**
- **Case isolation & management**
- **Close contact quarantine**
- **Suspension of public gatherings**
- **Movement restrictions**

# Differentiation of Levels of Care & Isolation

Category	Facilities
Close contact	Home/Hotel → HOTEL
Suspected case	General hospital (individual ward)
Mild/Moderate	Fangcang Shelter Hospital
Severe	General hospital (w/ Inf. Dis ward)
Critical	Designated hospital

Mild/moderate cases accounted for 80% of total diagnosed cases

# Fangcang Shelter Hospitals

## FIVE functions

- 1. Isolation
- 2. Triage
- 3. Basic Supportive Medical Care
- 4. Daily Monitoring & Rapid Referral
- 5. Essential Living Accommodation & Social Engagement



# Activities in Shelter Hospitals

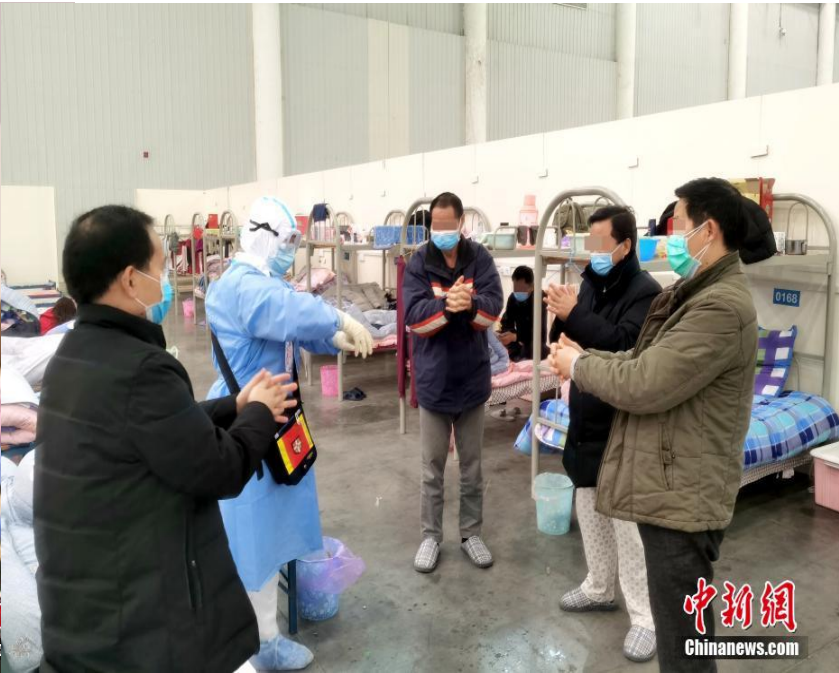
Taking Oxygen



Daily Monitoring



Training on Hand Washing





# Advantages vs Disadvantages of Fangcang Shelter Hospitals

## Advantages:

- **Rapid construction:** 2-3 days
- **Massive scale:** Bed capacity in thousands
- **Low cost:** Low ratio of health workers to patients

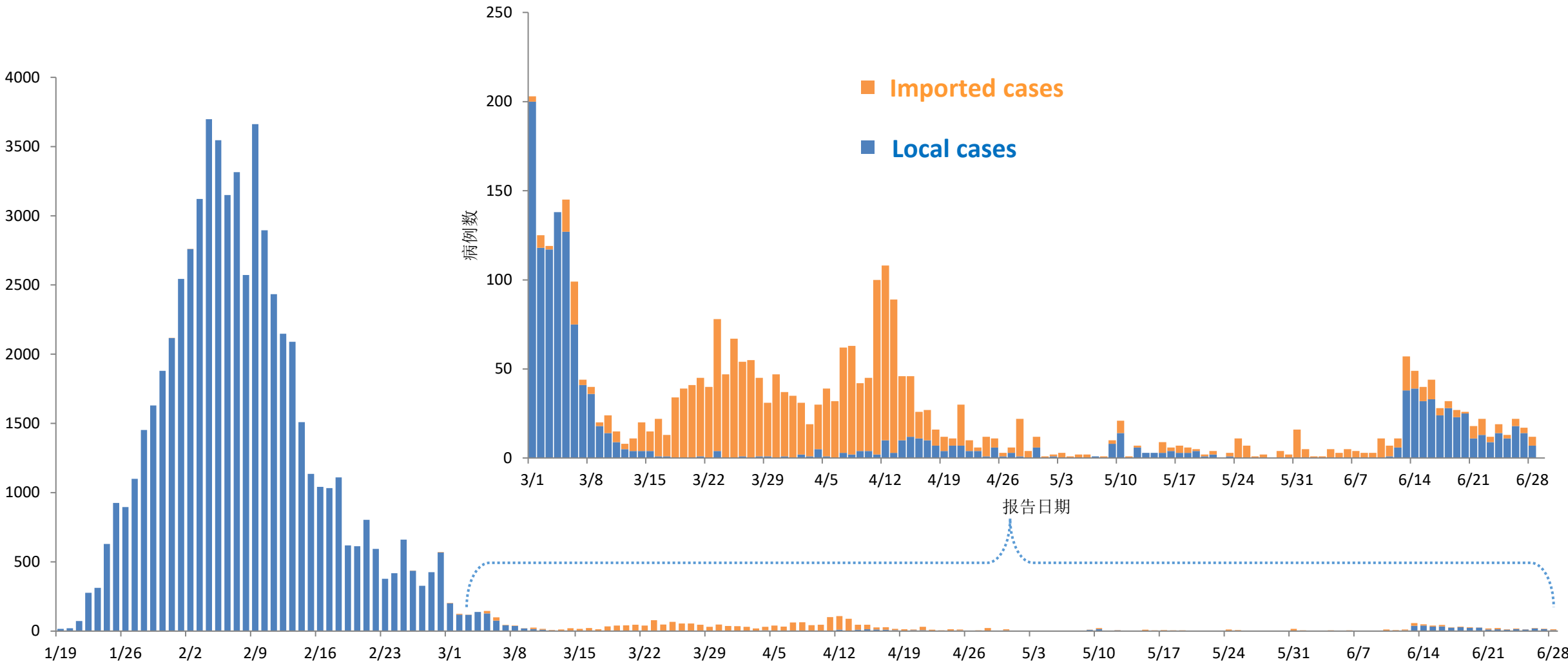
## Disadvantages:

- **Privacy**
- **Not easy to meet individual demands**



# Update Epidemic of COVID-19 in China (Jun 28,2020)

➤ Confirmed **83512**, Suspected **10**, PCR(+): **6707**; Death: **4,634** ; CFR: **5.5%**



# Key Experiences



## FOUR Defense Lines

- 1<sup>st</sup> Line-Wuhan + Hubei
- 2<sup>nd</sup> Line-Beijing
- 3<sup>rd</sup> Line-Hubei's surrounding regions
- 4<sup>th</sup> Line-nationwide

## FOUR Earlyies

- Early Detection
- Early Reporting
- Early Isolation
- Early Treatment

## For the People, By the People

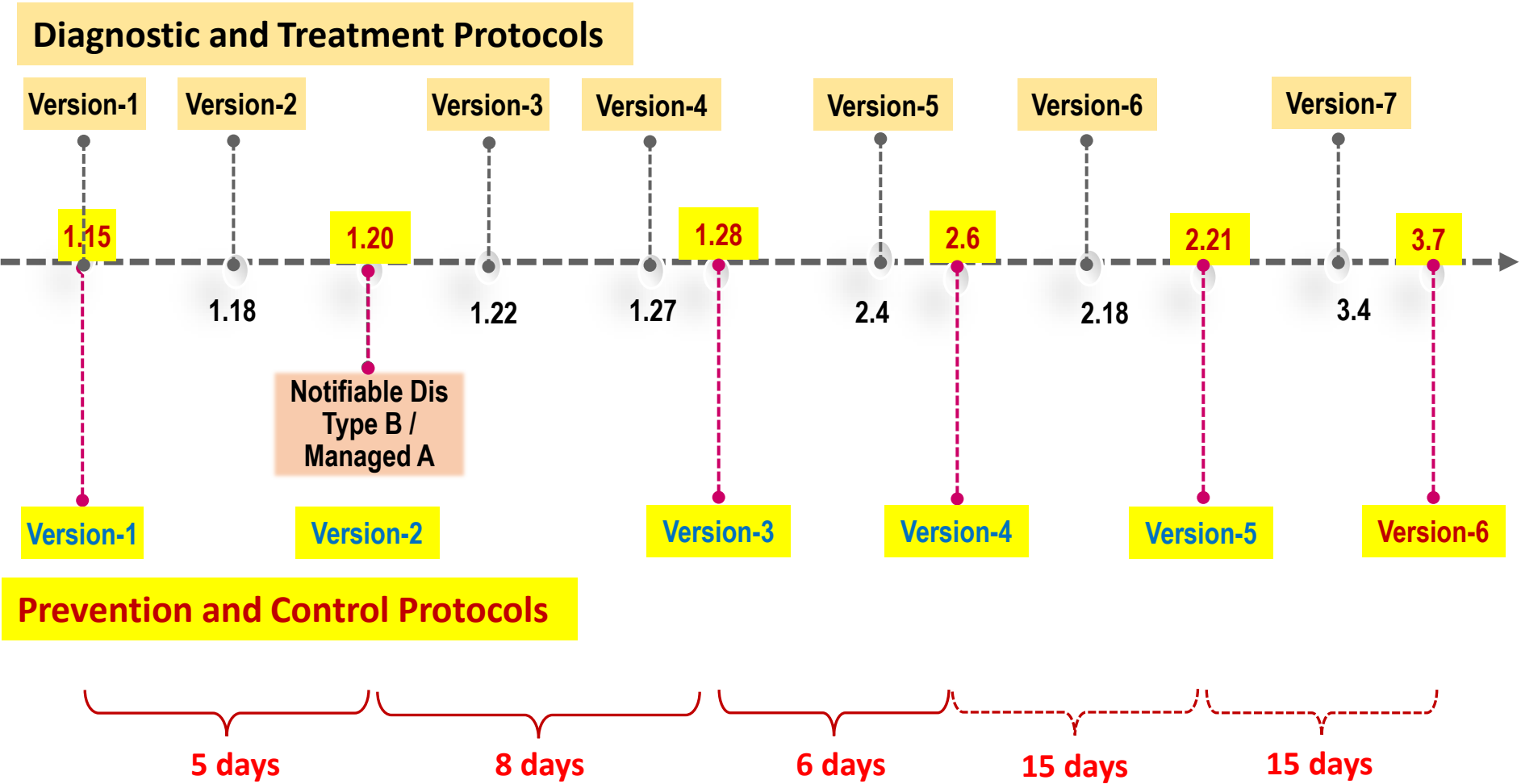
- Community engagement
- Community health education
- Communities hygiene & Disinfection

## Coordination Cooperation Communication

- Resources allocation (HCW, PPE, etc)
- Logistic support
- Public understanding & Infodemic response

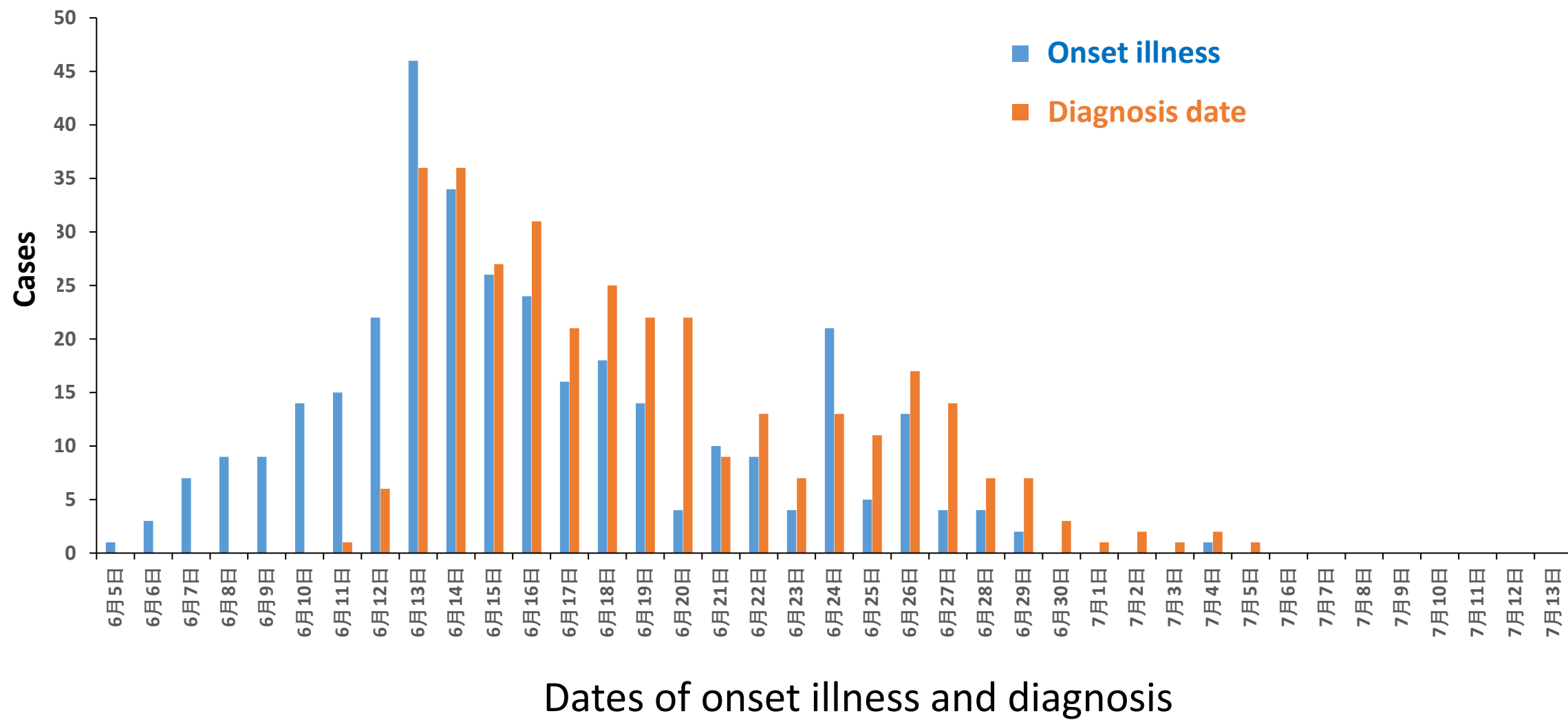
# Development & Revisions of Technical Guidelines

*Science-driven timely adjustment*



# Outbreak of COVID-19 in Beijing

## June 11-July 13, 2020

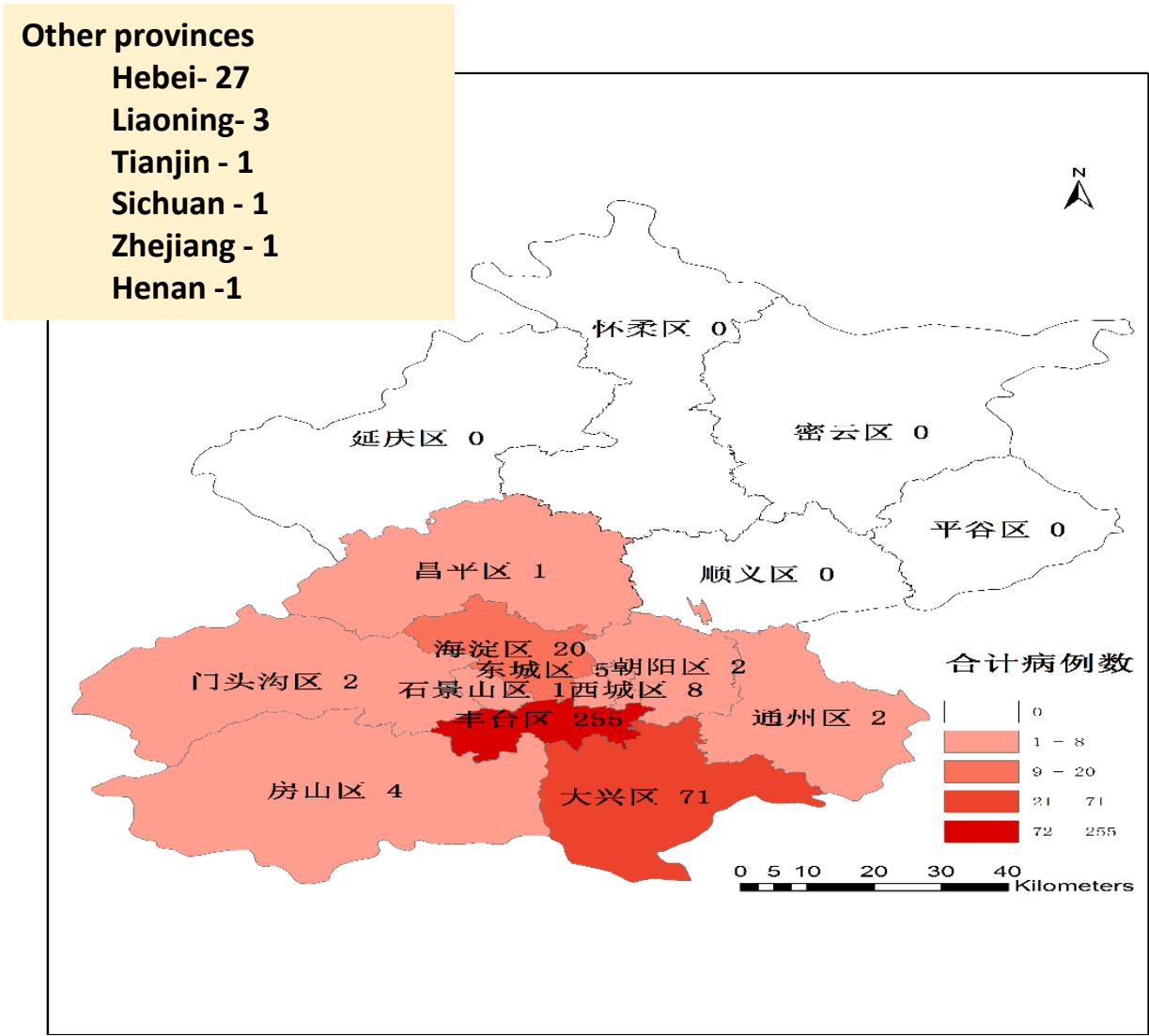


# Outbreak of COVID-19 in Beijing

## June 11-July 13, 2020

**Beijing:** 335 confirmed,  
3 suspected  
33 PCR (+)

- By District:**
- Fengtai- 255
  - Daxing- 71
  - Haidian – 20
  - Xicheng- 8
  - Dongcheng- 5
  - Fangshan-4
  - Chaoyang-2
  - Tongzhou-2
  - Mengtougou-2
  - Changping-1
  - Shijingshan -1



# **Outbreak of COVID-19 in Beijing**

## **June 11-July 13, 2020**

**Place:** Xinfadi Wholesale Market

**Concentration:** Seafood selling area

**Possible source:** Under investigation

# Outbreak of COVID-19 in Beijing

June 11-July 13, 2020

## Beijing Response:

**Timely,**

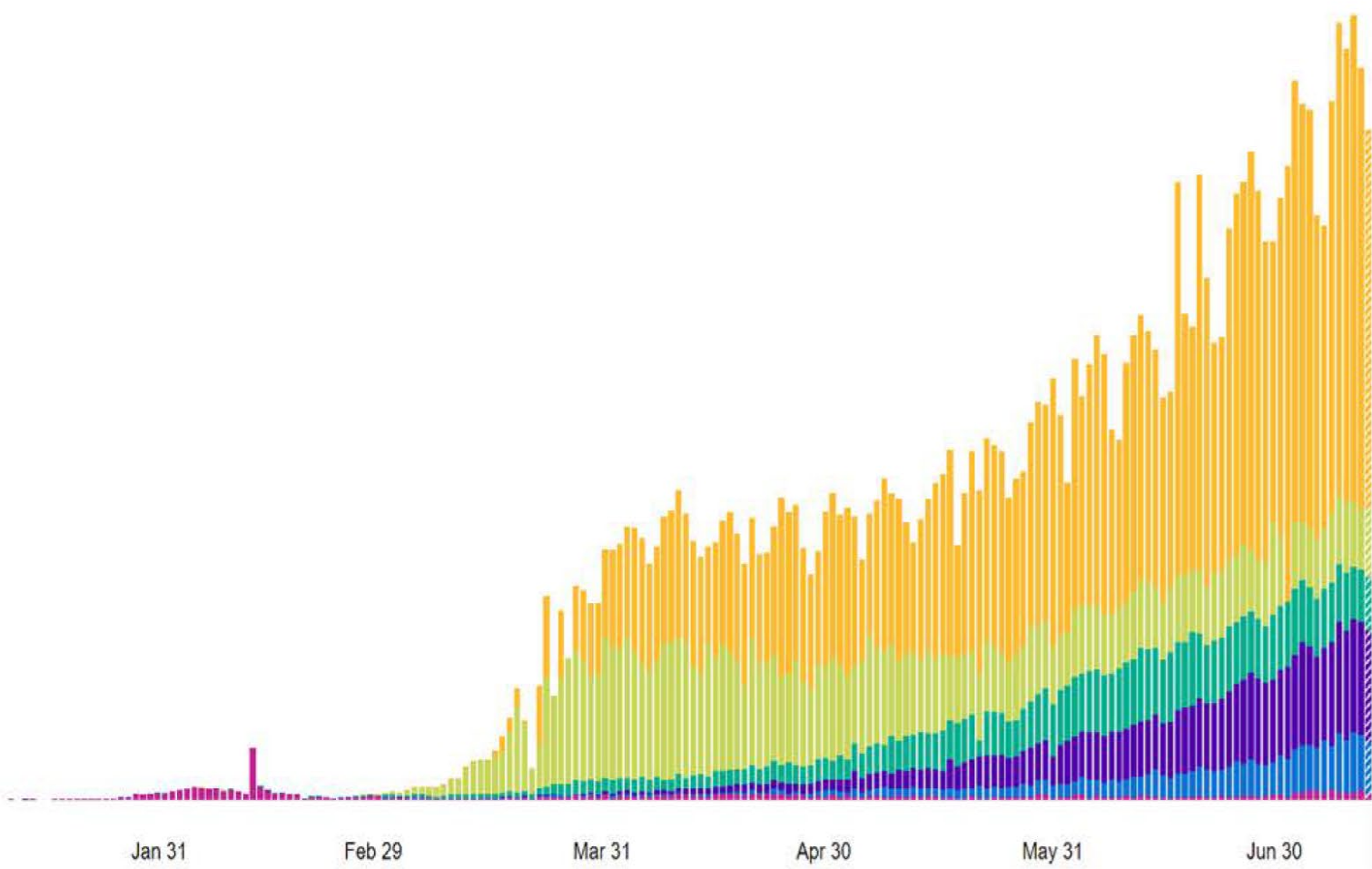
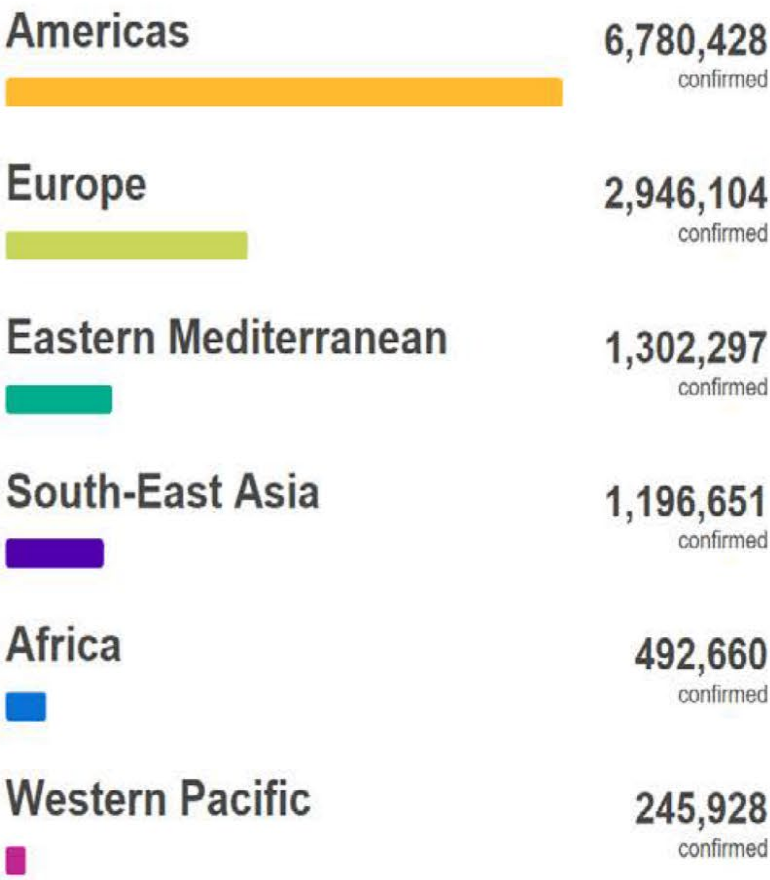
**Fast,**

**Accurate, Precise,**

**Effective**

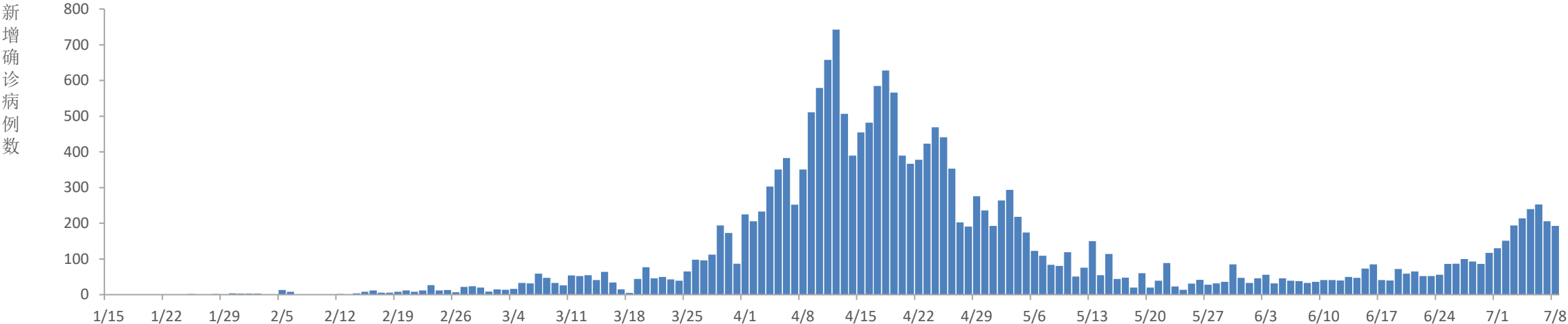


# Global COVID-19

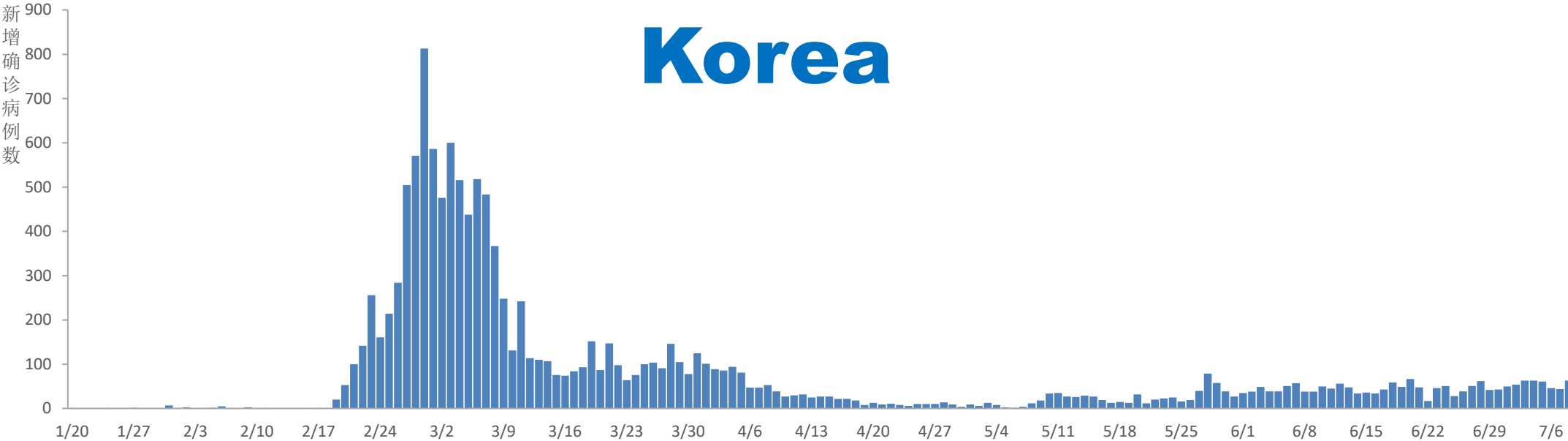


Source: World Health Organization  
Data may be incomplete for the current day or week.

# Japan



# Korea



# Challenge for China

## Marketed related outbreaks:

- Wuhan Seafood Wholesale Market
- Beijing Xinfadi Wholesale Market
- Next?

## Importation and its related outbreaks:

- A few clusters in North China
- On June 11<sup>th</sup>, Southern China Airline – 17 passengers PCR (+);  
June 27<sup>th</sup>, Sichuan Airline had 6 passengers PCR (+)

# Overall Strategies for China

- **Surveillance**
- **Containment strategies**
- **RT-PCR Testing**
- **Vaccinations**
  - ✓ Vaccines for other preventable respiratory diseases, such as pneumonia, flu, etc.
  - ✓ Vaccine for COVID-19

# Control Strategies for Imported Cases

- **No-gap Chain** from border to community to home
- **Entry Screening**
  - Temperature screening + 14-day history and health status reporting
  - **Categorization**: Confirmed, Suspected(e.g. with fever), Close contacts
  - Medical examination for suspected symptoms
  - Transfer
    - ✓ Confirmed/Suspected to designated hospitals
    - ✓ Close contacts to designated hotels for quarantine
- **Quarantine policy for travelers**
  - 2 weeks' quarantine in the designated hotels
  - Regardless of domestic or foreigners

**Thanks**