



國立中興大學  
NATIONAL  
CHUNG HSING UNIVERSITY

# NCHU

## Scientific Strategies and Health Education to Combat COVID-19 Pandemic





## Core of NCHU Scientific Control

1. **Possess** instant national and international information of COVID-19 epidemics
2. **Pre-emptive** actions and standard precautions
3. **Provide** correct public health measures for personal protection
4. **Promote** preventive measures with **CARE** and **EMPATHY**



➤ Decision made on no confirmed local cases for more than 3 weeks

- Decision made by
1. Seasonal Factor (Christmas & New Year)
  2. Community Mobility Risk (Taoyuan Hospital cluster infection)
  3. International Spread of Covid-19 Pandemic

2020

FEB

MAY

DEC

2021



HIGH RISK PERIOD

LOW RISK PERIOD

POTENTIAL RISK PERIOD



# OUTLINE

01

**Scientific Control**

02

**Distance Education**

## NCHU Scientific Control Phase

### Early Self-Detection

#### A. Self-Health Management

#### B. Epidemiological History

\*History of Traveling or  
Contact with Probable or Confirmed Cases

Dry  
Cough &  
Sore  
Throat

Fever

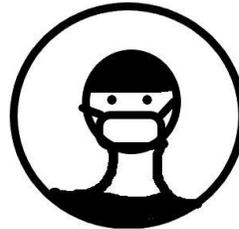
Loss of  
Smell or  
Taste

Headache

Diarrhea

### Self-Protection

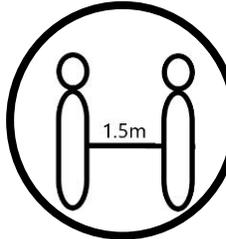
#### C. Scientific Way



Wear a Mask



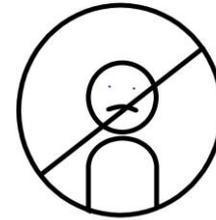
Use Hands Sanitizer  
or Soap



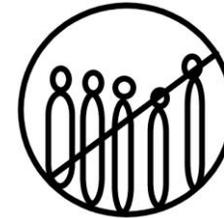
Keep Distance

### Prevention

#### D. Instant Announcement



No Mask; No Entry

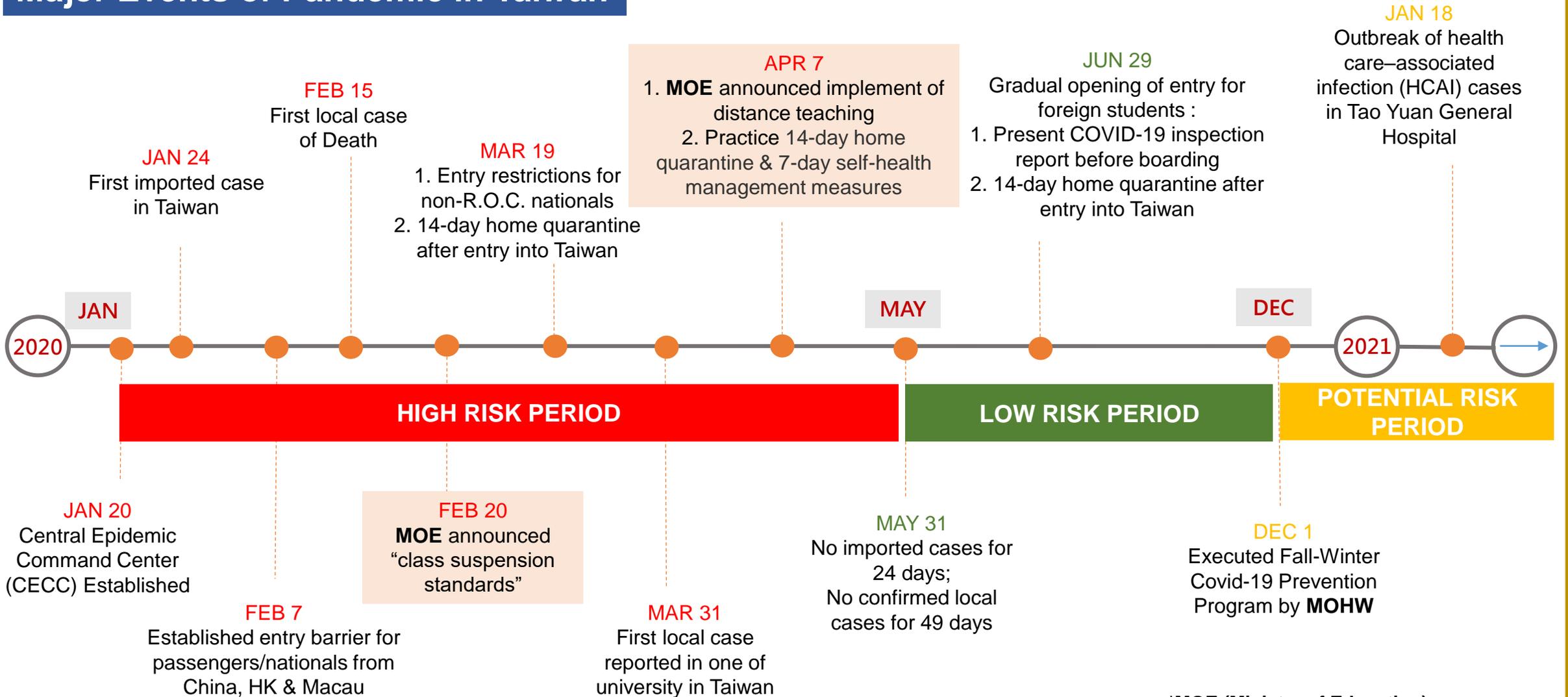


Avoid Crowded Places



Avoid Traveling

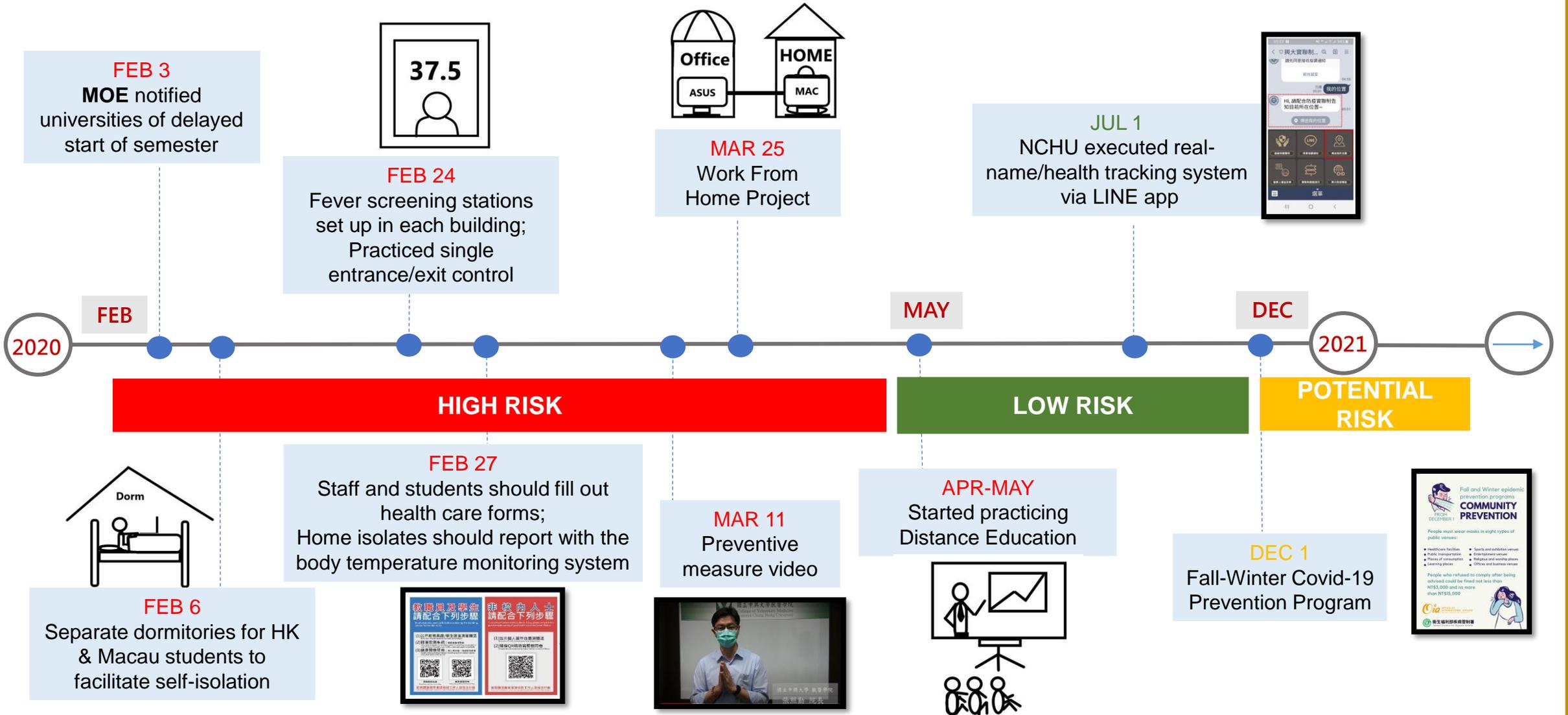
# Major Events of Pandemic in Taiwan



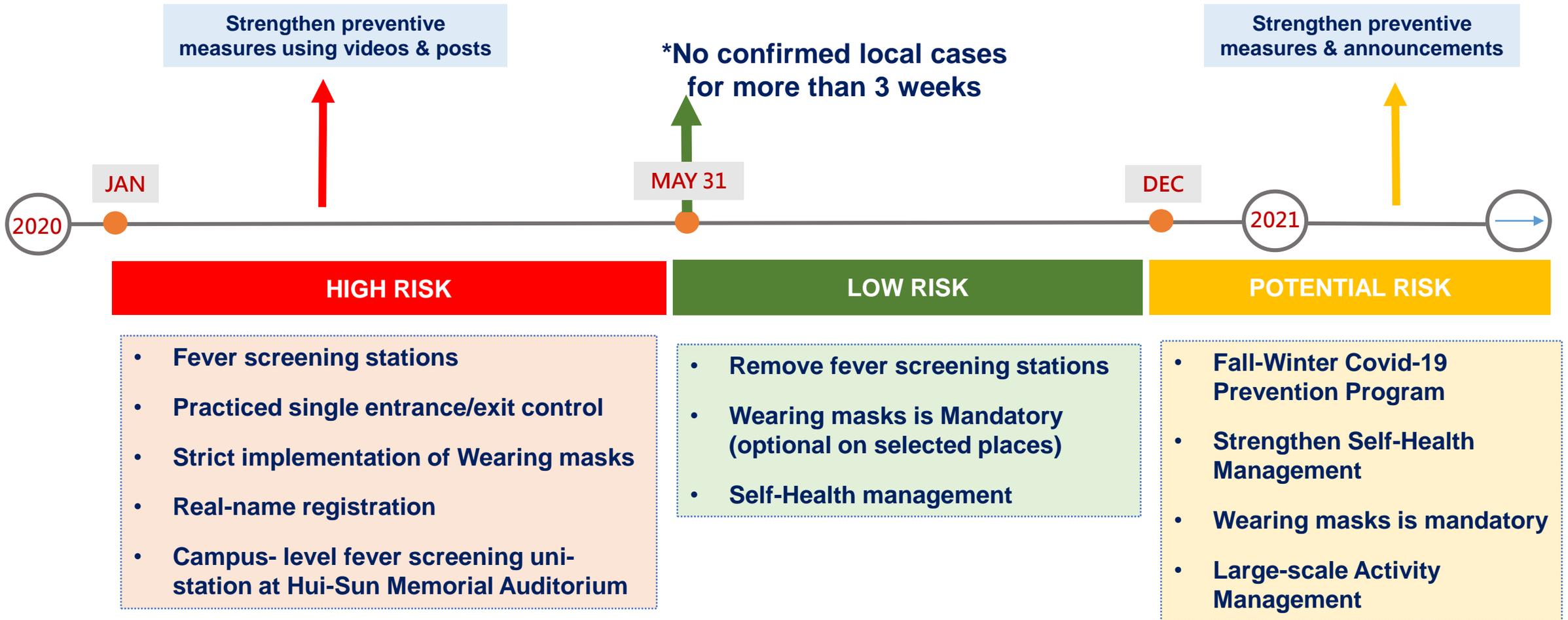
\*MOE (Ministry of Education)

\*MOHW (Ministry of Health and Welfare)

# NCHU Precautionary Measures on COVID-19



# NCHU COVID-19 Prevention Strategies



## NCHU Emergency Response Team (ERT)



## Action Plan

ORDER

President

Convener: Vice President  
Vice Convener: Secretary General

Main Contact :  
Office of Student Affairs

Consultant

Press Release

ACTION

1

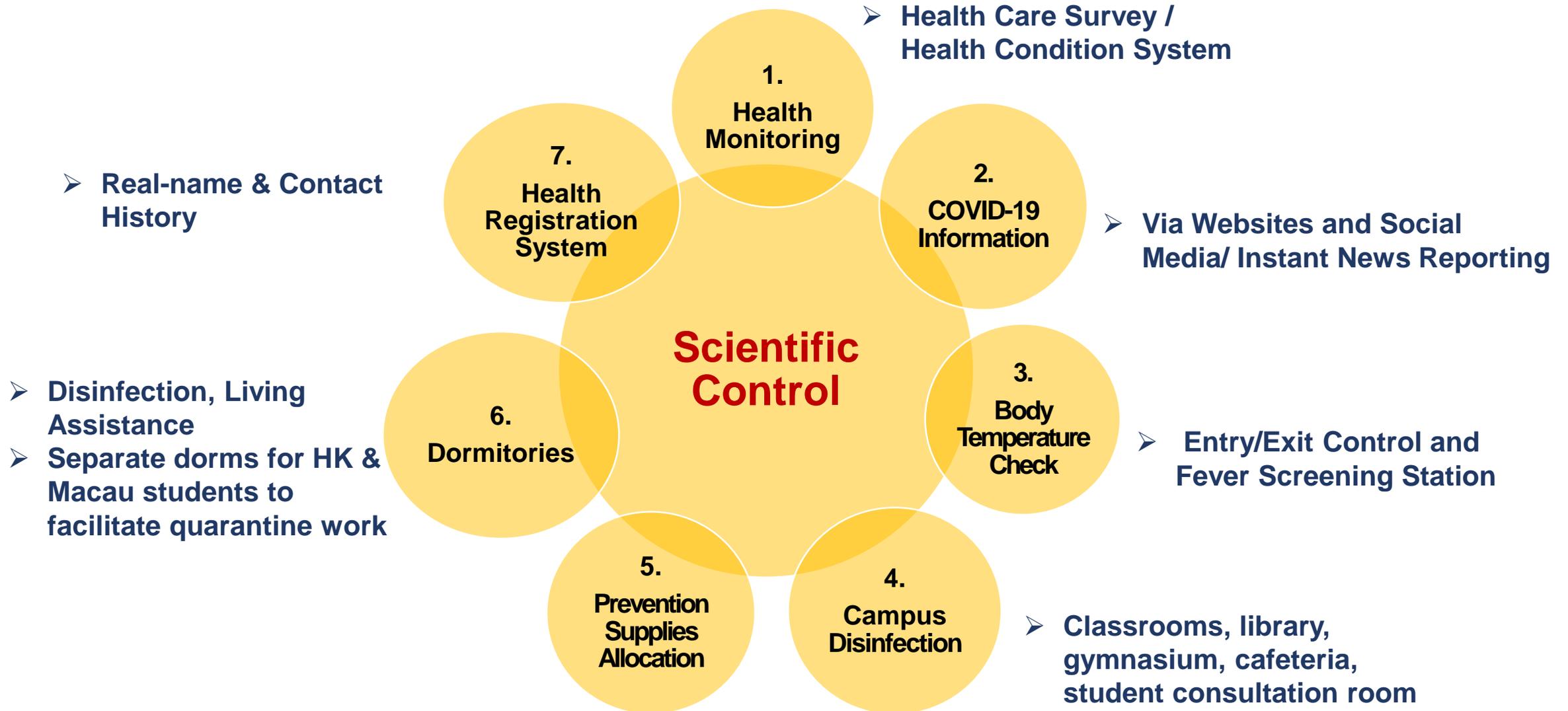
Stay up to date with instant news and latest notification from Central Epidemic Command Center (CECC)

2

Amending current control measures and enabling advanced deployment

# I. Scientific Control

## Scientific Control



1-1.  
Health Monitoring

CH / EN  
Version

Health Care Survey  
\*Faculty & Students

健康關懷問卷 上次填卷日期: 2020-02-11 14:00:36.0

\*請確實填寫並遵守各項自主健康管理規定，違反者可依[傳染病防治法]第49條，依同法第67條可處新台幣6萬至30萬元不等罰鍰  
\*Please complete the form accurately and follow the related rules of self-health management. According to Article 42 of Communicable Disease Control Act, people who obey the rules could be fined NT\$60,000 - \$300,000.

1. 聯絡電話 contact number \*

2. 最近或前學期出境史: History of traveling outside of Taiwan recently or before the semester began \*

3. 最近14天內是否有以下症狀(複選): Any symptom appear in the past 14 days as follows (multiple choices) \*

4. 身體狀況 Health condition \*

5. 自身近期情況調查 Recent self-status survey \*

Health Condition System

中興大學體溫監控系統-自主健康管理

疫情通報狀態  
Epidemic Notification Appearance  
無

姓名 Name

登入時間 Login Time  
20-02-2020 16:40

體溫(°) Temperature(°) 測量地點 Location  
請輸入35.0-41.0 ex:(住家/健諮中心/宿舍 房號/大樓/厝)

症狀說明(\*) Symptom (\*)  
無 有

儲存

Health Care Survey  
\*Visitors

中興大學 健康關懷問卷(訪客用)

個資蒐集告知聲明事項:  
一、本校因執行疾病管理局之「自主健康管理」業務，需蒐集您的個人資料包括姓名與聯絡方式。  
二、利用您的個人資料期間為即日起至109.08.31止，利用地區為台灣地區。  
三、您的個人資料受到本校【隱私權政策聲明】之保護及規範，本校知違反「個人資料保護法」規定或因天災、事變或其他不可抗力所致者，致您的個人資料被竊取、洩漏、竄改、遭其他侵害者，本校將於查明後以電話、信函、電子郵件或網站公告等方法，擇適當方式通知您。  
四、當您勾選「同意」時，即表示您已閱讀、瞭解並同意此聲明項之所有內容。

\*必填

請問您是否同意以上聲明項之所有內容\*

同意  
 不同意

繼續

請勿利用 Google 表單送出密碼。

這份表單是在國立中興大學中建立。 檢舉濫用情形

Google 表單

國立中興大學 (大樓或系館名稱) 發燒初篩站實施流程圖

1-2.  
Health  
Monitoring

CH / EN  
Version

➤ NCHU  
Pandemic Prevention  
Process Chart

**教職員及學生  
請配合下列步驟**  
To all students and staffs before entering the building, please follow the rules.

- (1) 出示教職員證/學生證並測量體溫  
Show your ID card, measure your body temperature.
- (2) 體溫監測系統：發燒者需場登錄  
Daily body temperature recording system: If your body temperature is over 37.5, you will need to login to the system and apply immediately.
- (3) 健康關懷問卷：每人每月第一場登錄及更新  
Health status and travel history recording system: please update every first week of the month.




體溫監測系統  
Daily body temperature recording system

健康關懷問卷  
Health status and travel history recording system

如有體溫異常者請依照工作人員指示行動  
If your body temperature is over 37.5, please follow the staff for the Quarantine Station.

**非校內人士  
請配合下列步驟**  
To all visitors before entering the building, please complete the questionnaire survey of your health status and travel history.

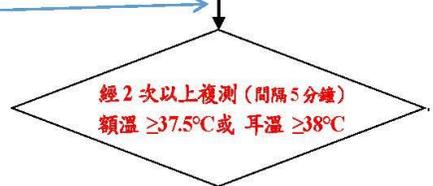
- (1) 出示個人證件並測量體溫  
Show your ID card, measure your body temperature.
- (2) 掃描QR碼填寫關懷問卷  
Complete the questionnaire survey of your health status and travel history.



如有體溫異常者請依照工作人員指示行動  
If your body temperature is over 37.5, please follow the staff for the Quarantine Station.

量測體溫前  
1. 環境佈置  
2. 準備所需防疫用品  
3. 洗手後穿戴相關防護用品

各大樓(系館)人員量測體溫



不得進入各大樓(系館)

本校教職員工生  
發給識別貼紙  
當日可進出全校各大樓系館  
非校內人士(臨時工及訪客)  
不發給識別貼紙  
當次可進出  
確認填寫「健康關懷問卷」

**本校教職員工生**

- ☑ 確認 個案如實上傳資料至「體溫監測系統」
- ☑ 填寫 本校「教職員工生異常體溫紀錄表」
- ☑ 通報 健諮中心 (校內分機 241 轉 11~13)
- ☑ 上班時間 機動人員陪同至惠蓀堂外「發燒複篩站」(週一至五 8-17時)
- ☑ 夜間、假日 詢問是否有旅遊史/接觸史並填寫「異常體溫問卷」(夜間假日版)  
有，請提醒個案通報防疫專線 1922，依指示進行後續處理  
無，請個案自行至本校特約醫療院所就醫

**非校內人士(臨時工及訪客)**

- ☑ 確認 個案填寫「健康關懷問卷」
- ☑ 可提供 本校特約醫院診所名單
- ☑ 建議 發燒個案儘速就醫

結束量測體溫  
時間結束或交接給下一班人員時，整理環境與相關用品

2-1.  
COVID-19  
Information

CH Version

NCHU's Official Website



國立中興大學  
National Chung Hsing University

校園傳染病防治調查網

健康關懷問卷調查 全校教職員工生必填

體溫監控 居家隔離、居家檢疫、健康自主管理者

訪客健康問卷 本校臨時人員及訪客必填

校園傳染病防治調查網

發燒新聞 活動與公告

【公關組】因應新型冠狀病毒肺炎疫情 興大安心就學措施 衛生防疫宣導 Feb. 18, 2020

新學期防疫防疫宣傳 中興大學新學期自2月2日起，相關防疫措施如下：

- 一 開學日延至3月2日
- 二 課程異動：遠端教學課程調整至每週學日延至 3/2 (一)
- 三 網路加選選課：3/2-3/8

NCHU's Official Facebook Page



國立中興大學 National Chung Hsing University

因應新型冠狀病毒肺炎 興大安心就學措施 | 衛生防疫宣導

聯絡窗口 安心就學：22840212轉15  
疾病通報：22840241 或 22870885

安全就學措施：  
提供學生診療權利，自中國大陸(含港澳地區)返臺之學生，如因防疫無法如期返校者，經學社與導師可專案處理，並得彈性延後開學註冊日，受影響之課程將由相關課程教師自行擇期或線上教學等補課方式辦理。

咳嗽戴口罩 肥皂勤洗手 少去傳統市場醫院等人多場所 避免接觸野生動物、禽鳥

COVID-19 Prevention Section



國立中興大學 嚴重特殊傳染性肺炎 防疫專區

正確戴口罩4步驟

經常洗手不可少

防疫專區

- 所有消息 身心健康 課程/註冊 國際事務 住宿服務 學生請假 校園安全 人事室 圖書館

2020-02-19 致本校學生於居家隔離/檢疫者-嚴重特殊傳染性肺炎疫情安心文宣 健康及諮商中心

2020-02-19 致全體教職員工生-嚴重特殊傳染性肺炎疫情安心文宣 健康及諮商中心

2020-02-19 有關泰國留宿臨時無法入台之進臺生安心就學措施申請事宜 學生安全輔導室

2020-02-19 出國前停&看！最新國際旅遊疫情建議(衛生福利部)、旅遊警示(外交部及大陸委員會) 人事室

2020-02-19 中興大學校園傳染病防治調查網(武漢肺炎)全校教職員工生與訪客必填 健康及諮商中心

2020-02-18 有關2月6日前及2月7日至10日開入機之進臺學生注意事項 學生安全輔導室

2020-02-18 請假、防疫訓練、入出境中港澳(含轉機)宣導 人事室

2020-02-18 因應嚴重特殊傳染性肺炎中港澳生暫留來台學生宿舍後處理程序 住宿輔導組

2020-02-18 中央流行疫情指揮中心自109/2/16起全國啟動加強社區監測 人事室

2020-02-18 因應嚴重特殊傳染性肺炎之防疫政策，即日起女宿出入口及傳達室改至誠軒(靠近國光路地下道出口) 住宿輔導組

Please Visit : <http://covid-19.nchu.edu.tw>

2-2.  
COVID-19  
Information

EN Version

OIA's Official Website Info

**Always Mask Up at campus;  
Always take Precautions to join events!**

**Reminder 1:**  
If you decide to hold an event recently, you should refer to the latest public assembly guidelines announced by government.

**Reminder 2:**  
If a complete epidemic preparedness measure is yet to be planned before the event, we strongly recommend that the event be cancelled or postponed under the circumstances.

PS: Develop a complete COVID-19 epidemic preparedness plan and implement medical preparations is necessary!

January 25, 2021



OIA's Prevention information



Fall and Winter epidemic prevention programs  
**COMMUNITY PREVENTION**

People must wear masks in eight types of public venues:

- Healthcare facilities
- Sports and exhibition venues
- Public transportation
- Entertainment venues
- Places of consumption
- Religious and worship places
- Learning places
- Offices and business venues

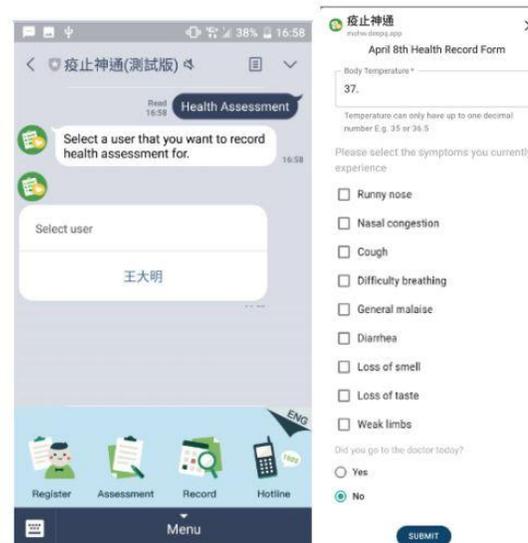
People who refused to comply after being advised could be fined not less than NT\$3,000 and no more than NT\$15,000



Governmental Health Reporting System

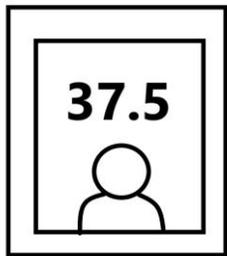


- Click Menu to open or close it
- 「Register」 - Register new user
- 「Assessment」 - Fill out Health record form
- 「Record」 - Health records history
- 「Hotline」 - Call 1922 or Care Center



3.  
Body  
Temperature

- Fever screening station /  
Single entrance & exit
- Hand sanitizers provided
- Temperature  $\geq 37.5^{\circ}\text{C}$   
Seek for medical attention right away



4.  
Campus  
Disinfection

5.  
Prevention  
Supplies  
Allocation



Disinfection of Buildings and Facilities



COVID-19 Prevention Supplies



Auto/ non- auto Hand Sanitizer



一館三樓大教室門口加裝酒精自動噴灑器



一館G17教室門口加裝酒精自動噴灑器



國農432教室門口加裝酒精自動噴灑器

6.  
Dormitories



**Disinfection**

- Regular disinfection of Building and Facilities
- Control dumpsites for waste disposal



**Health Monitoring**

- Measure body temperature
- Take symptoms observation



**Isolated Quarantine Area for Students from HK and Macau, Feb. 2020**

- Male and Female dorms separated
- 24-hour security



**Assistance of Home Quarantine Students**

- Daily Necessities
- Sanitizing Supplies
- Forehead Thermometers

7.  
Health  
Registration  
System



1. Add the chatbot (chatting robot) as friend via LINE



2. Information Security Verification Center collects real connection records and locate your phone



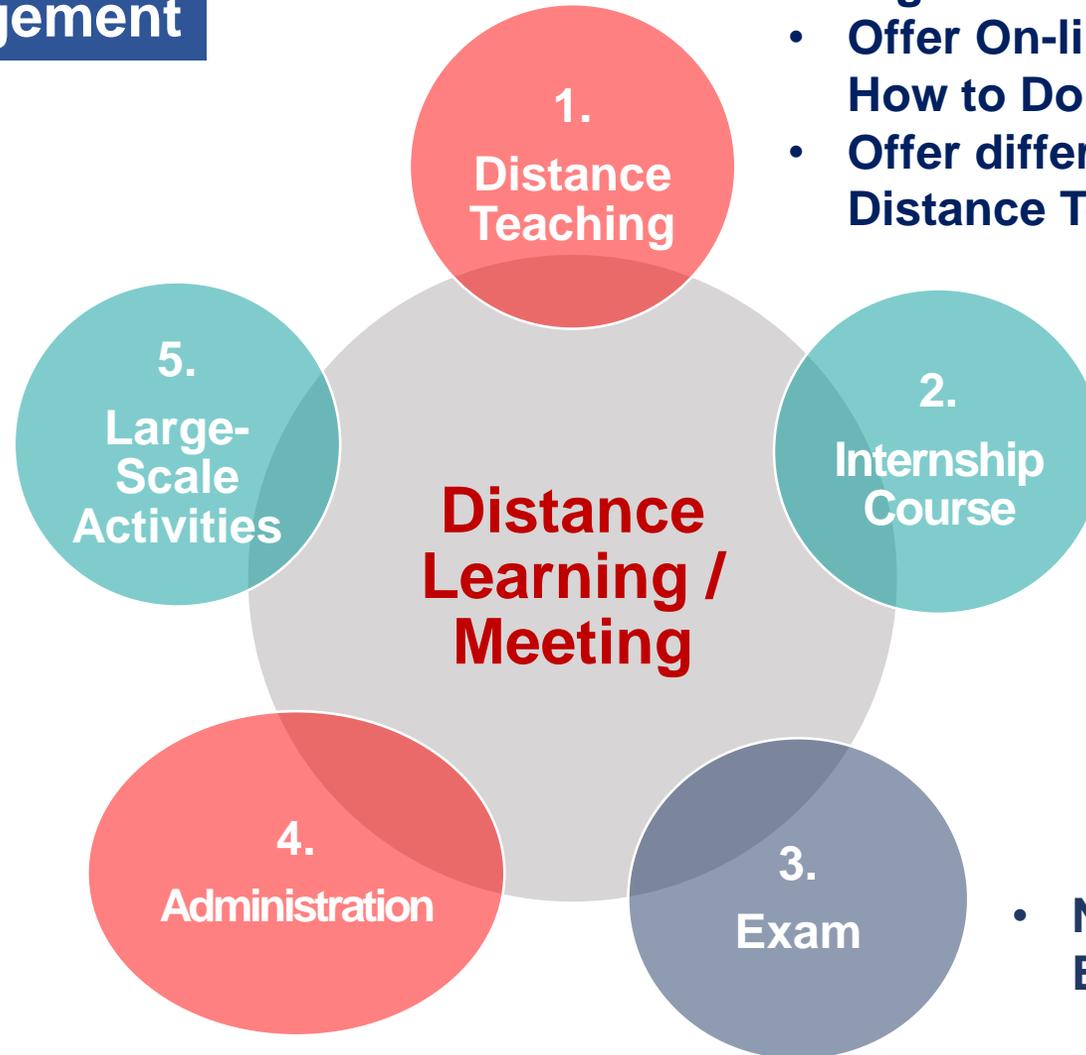
3. In order to trace back your health records, your information will be recorded and saved for 28 days

## II. Distance Education

## Distance Education & Administrative Management

- 2020 Employment Expo

- Work From Home
- Remote Working



- Synchronous Teaching
- Digital Recording Distance Teaching
- Offer On-line Workshops for Guiding How to Do Distance Teaching
- Offer different Online Softwares for Distance Teaching

- Internship in Veterinary Hospital

- National University Entrance Exam

1-1.  
Distance  
Teaching

Phases

Phase 1

- Courses with **100** students and above start distance teaching

Phase 2

- Courses with **70** students above start distance teaching

Phase 3

- All courses will be taught by distance teaching for **a week**

Regular Courses

- Distance Teaching (without or few students in classroom)

- Fill out the study log and health record.

Experiment Courses /  
Internship Courses

- Courses are held as usual.

- Fill out the study log and health record.

1-2.  
Distance  
Teaching

Webinar



Workshop



2.  
Internship  
Course

## Veterinary Medical Teaching Hospital

### Main Spirit

All vets should consistently provide professional knowledge to medical service and save lives

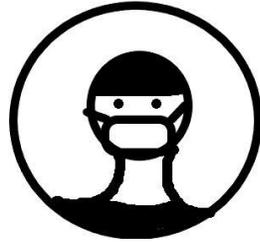
1. Follow control measures
2. Provide necessary sanitation supplies for epidemic prevention
3. Warning posted at the entrance
4. Pet owners with abnormal temperature or foreign travel history are forbidden to enter the hospital
5. All medical personnel must wear masks
6. Washing hands and using sanitizers or soap regularly



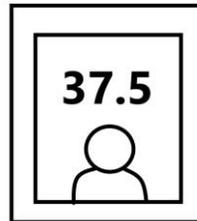
3.  
Exam

• **National University  
Entrance Exam**

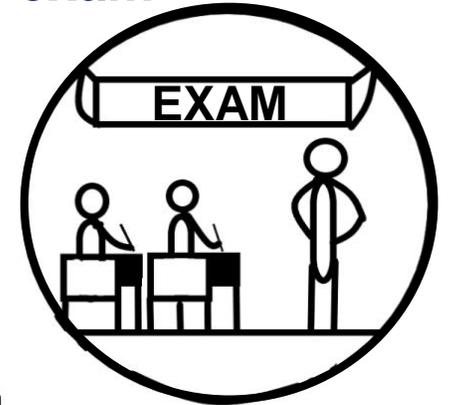
- **Wear Masks in Mandate**



- **Fever Screening Systems**



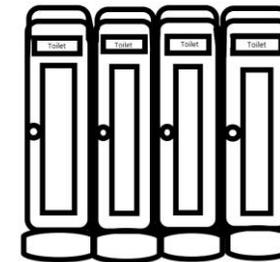
- **Examinees conducting self-health management must take the exam in the special area**



- **Resting Area**



- **Portable Toilet**

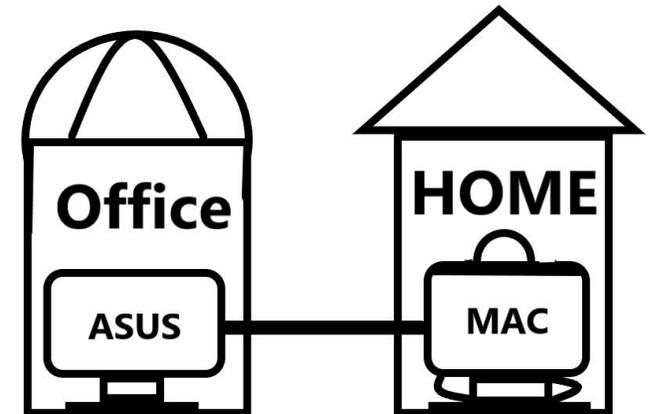


4.  
Administration

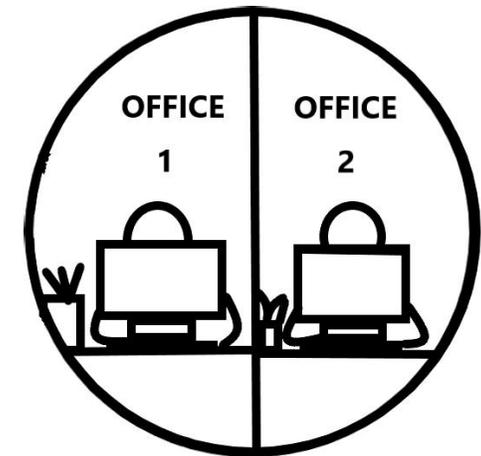
**Pre-emptive Actions Taken Due to:**

- Panshi fleet's new confirmed cases in April
- Ching Ming Holidays returning waves
- Returned students fly back to Taiwan increased dramatically

Work From Home



Remote Working



**\*Work from home / Remote working is thus applied**

5.  
Large-  
Scale  
Activities



*Students having online meetings with enterprises*



*President of NCHU,  
Dr. Fuh-Sheng Shieu and  
Mayor of Taichung City,  
Shioh-Yen Lu*

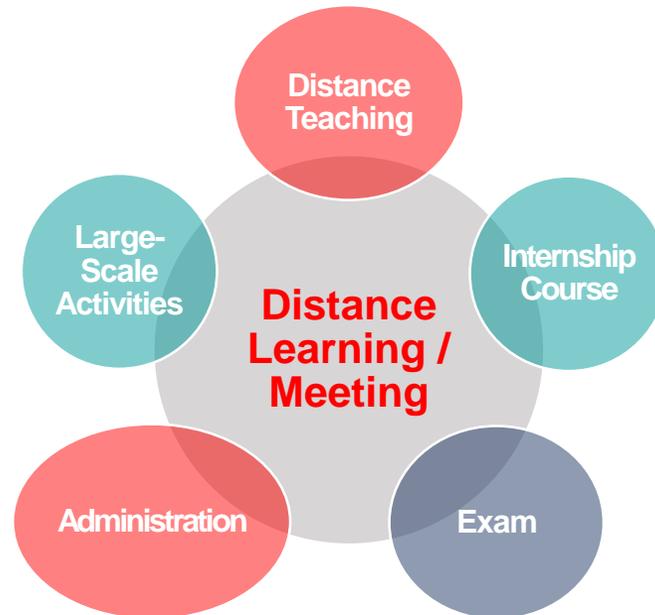
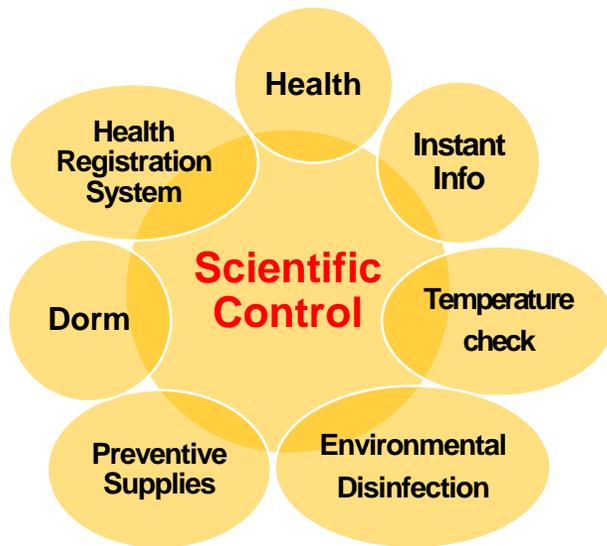
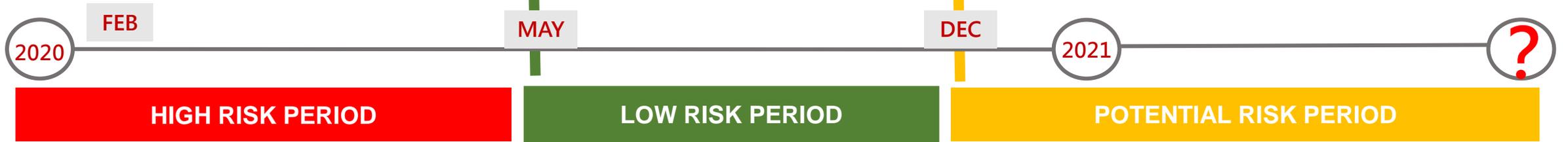


*Employment Expo 2020 at NCHU*

# Conclusions

➤ Decision made on no confirmed local cases for more than 3 weeks

- Decision made by
1. Seasonal Factor (Christmas & New Year)
  2. Community Mobility Risk (Taoyuan Hospital cluster infection)
  3. International Spread of Covid-19 Pandemic



## ♥ Acknowledgement ♥

- **Chair Professor Jyh-Horng Chou, Vice President of National Chung Hsing University**
- **Distinguished Professor Chao-Chin Chang, Graduate Institute of Microbiology and Public Health**
- **Distinguished Professor Chia-Lin Chang, Department of Applied Economics**
- **NCHU Emergency Response Team**
- **Office of International Affairs**
- **Office of Academic Affairs**
- **Office of Student Affairs**
- **Office of General Affairs**
- **Computer and Information Network Center**
- **Office of Secretariat**



國立中興大學  
NATIONAL  
CHUNG HSING UNIVERSITY

# THANK YOU



2021/03/17

**President Dr. Fuh-Sheng Shieu was invited to present at the FICHET conference “2021 Taiwan-Australia Higher Education Network Forum”**

This PPT is made by  
Distinguished Professor Chia-Lin Chang, Vice President for International Affairs, NCHU  
Distinguished Professor Chao-Chin Chang, Graduate Institute of Microbiology and Public Health, NCHU  
Meng-Chen Yang, Chun-Han Shih and Ching-Yang Siang, Office of International Affairs, NCHU