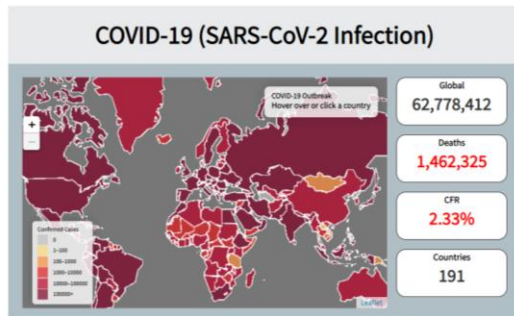


Taiwan's experience in the response to COVID-19

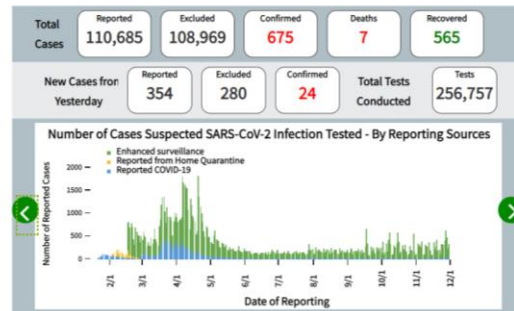
Quarantine System for Entry, Cultural Factors, and Leadership

Yueh-Ying Han, PhD
Research Associate Professor

December 02, 2020



Update time: 2020-11-30 09:20



Update time: 2020-12-01 00:30

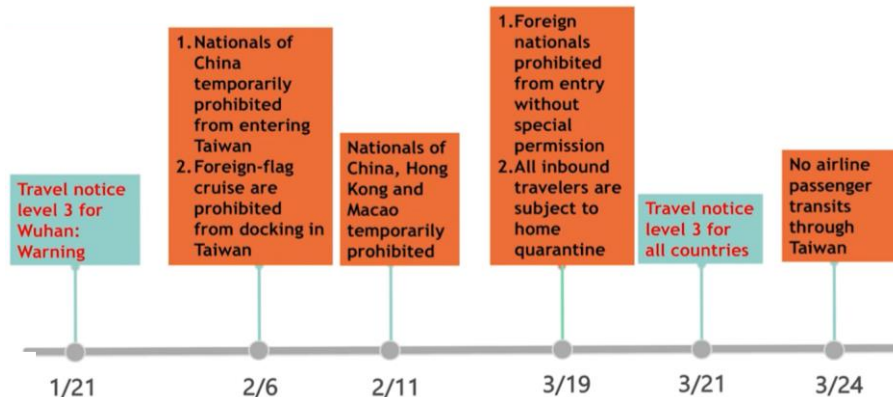
Timely Border Control

- Immediately preventing the spread of COVID-19 from China
- Effectively monitoring the international outbreak situation and adjusting travel notices
- Promptly implementing the **Quarantine System for Entry**



Quarantine System for Entry

- Prior to **March 19**, travelers from countries listed at Level 3 were required a COVID test at the port of entry and the **cases** required quarantine at a designated site.
- Those who tested **negative or were asymptomatic** would be required to undergo a **14-day home quarantine** after entry.



Quarantine System for Entry

CECC Measures for Following Up on Persons at Risk of Infection

09.15.2020

Intervention	Home Isolation	Home Quarantine	Enhanced self-health management	Self-health management
Groups of persons	Persons who had contact with confirmed cases	People with travel history	Short-term business travelers from low- and medium-risk countries/regions who have applied for and been permitted entry	1. Reported cases who have tested negative and met criteria for being released from isolation 2. People reported and tested for COVID-19 under "COVID-19 Community-based Surveillance"
Responsible authorities	Local health authorities	Local civil affairs bureau or borough chief	Local health authorities	Central/Local health authorities
Enforcement	Home isolation for 14 days Active monitoring twice a day	Home quarantine for 14 days Active monitoring once or twice a day	From the end of the shortened home quarantine period to the 14th day after entry into Taiwan Active monitoring once or twice a day	Self-health management for 14 days
Notes concerning respective measures	<ul style="list-style-type: none"> Health authority will issue a "Home (Self) Isolation Notice" Health authority shall check health status of the individual twice a day During the home isolation period, the individual is to stay at home (or designated location) and not go out, and may not leave the country or use public transportation Symptomatic individuals will be sent to the hospital for medical attention Individuals not adhering to the CECC's prevention measures will be penalized under the Communicable Disease Control Act and be forcibly placed After the home isolation period ends, the individual should conduct an additional 7-day period of self-health management 	<ul style="list-style-type: none"> Where the relevant authority has issued a Novel Coronavirus Health Declaration and Home Quarantine Notice, the individual is to wear a surgical mask and return home for home quarantine The local borough chief or borough clerk shall call the individual every day during the 14-day period to ask about the individual's health status, and shall record the information obtained During the quarantine period, the individual is to stay at home (or designated location) and not go out, and may not leave the country or use public transportation Symptomatic individuals will be sent to designated medical facilities for tests; the relevant health authority will also begin active monitoring Individuals not adhering to the CECC's prevention measures will be penalized under the Communicable Disease Control Act and be forcibly placed After the home quarantine period ends, the individual should conduct an additional 7-day period of self-health management 	<ul style="list-style-type: none"> The individual is only allowed to carry out <u>limited business activities</u> and is prohibited from going to crowded places (such as markets, nightclubs, night markets, department stores, restaurants, tourist destinations, etc.). The individual shall postpone all non-essential or non-urgent medical care or examinations; and make sure to inform the physician of travel history when seeking medical attention. The individual must visit leisure facilities in the quarantine hotel at staggered times to avoid crowding. The individual must stay in the quarantine hotel staff to coordinate after leaving those facilities The individual must be picked up by designated person through protective measures are followed A record must be kept of the names of people he or she comes into contact with; individual must not come in contact with persons scheduled to meet; individual must wear a mask and maintain a safe distance all the time. The individual must reply to update on personal health status to the relevant authority. 	<ul style="list-style-type: none"> Asymptomatic individuals are to avoid public places, postpone any non-urgent medical care or examination, always wear a medical mask when going out, wash hands frequently, follow respiratory hygiene and cough etiquette, and take temperature twice a day, once in the morning
Legal basis	§ Article 48, Communicable Disease Control Act § Paragraph 1, Article 15, Special Act for Prevention, Relief and Revitalization Measures for Severe Pneumonia with Novel Pathogens	§ Article 58, Communicable Disease Control Act § Paragraph 2, Article 15, Special Act for Prevention, Relief and Revitalization Measures for Severe Pneumonia with Novel Pathogens		

People in home isolation or quarantine may go out for funerals or visiting relatives

On April 25, the Central Epidemic Command Center (CECC) announced that people subject to home isolation or quarantine would be allowed to leave home or designated location for funerals or visiting relatives. Those under home isolation or quarantine may submit a request to the department of health of their residence for going out to attend a funeral of a deceased first or second degree relative or visit such relative with serious illness.

For details, please refer to CECC press releases at <https://supr.link/KZVu3>

Source: Taiwan Centers for Disease Control

Central Epidemic Command Center



www.cdc.gov.tw

Communicable Disease Report



衛生福利部疾病管制署
Taiwan Centers for Disease Control



中華民國外交部
MINISTRY OF FOREIGN AFFAIRS
REPUBLIC OF CHINA (TAIWAN)

Quarantine System for Entry

⚠ 注意 Attention ⚠

自台灣時間3月19日起，
非本國籍人一律限制入境、
所有入境者須居家檢疫14天。

Starting from March 19, all foreign nationals will be barred from entering Taiwan and all travelers arriving in Taiwan must undergo a mandatory 14-day quarantine.



- Except for Alien Resident or personnel with urgent diplomatic, business or other special missions.
- All entrants are required to undertake **14-day home quarantine**, regardless of nationality.
- Leaving Taiwan before the end of the quarantine period is strictly prohibited.

! Entry measures to be gradually relaxed for foreign nationals, Hong Kong and Macao residents !

The CECC will relax entry measures for foreign nationals and Hong Kong and Macao residents starting June 29, as follows:

- ① Foreign nationals may apply to enter Taiwan for reasons other than tourism and regular social visits.
- ② Hong Kong and Macao residents may apply to enter Taiwan for special humanitarian reasons or emergency situations.



Update: 2020/06/29

Quarantine System for Entry

Regulations of Citizens/Non-Citizens Entering Taiwan (since 00:00 July 16 Taipei Standard Time)

• ARC means R.O.C. (Taiwan) Resident Certificate

Traveler Type	Credential		Eligible to Enter Taiwan?	Requirement
Foreign National	Holder of ARC <small>* migrant worker must also hold re-entry permit</small>		Yes	After entry: home quarantine 14 days <small>*short term business traveler see note 1</small>
	Non-ARC holder	Foreign nationals may apply to enter Taiwan for reasons other than tourism and regular social visits.	Yes	1. Before boarding: certificate of negative COVID-19 RT-PCR test <small>*note 2</small> 2. After entry: home quarantine 14 days <small>*short term business traveler see note 1</small>
		Purpose of entry to be tourism and regular social visits	No	
Hong Kong/ Macao Resident	Holder of Entry Permit to R.O.C.	1. Special humanitarian reasons or emergency situations (e.g. entry for bereavement or family who is in catastrophic illness) 2. To fulfill contractual obligations, or as part of internal transfers within multinational enterprises	Yes	1. Before boarding: certificate of negative COVID-19 RT-PCR test <small>*note 2</small> 2. After entry: home quarantine 14 days <small>*short term business traveler see note 1</small>
	Holder of ARC	1. Spouse or child of Taiwan national <small>*note 3</small> 2. Entry for commercial and trade exchanges (e.g. holder of Employment Gold Card or ARC related to employment/ investment/ entrepreneurship)		After entry: home quarantine 14 days <small>*short term business traveler see note 1</small>
	All others		No	
Mainland Chinese	Holder of ARC	1. Spouse of Taiwan national 2. Child of Taiwan national, who is under age of 2 or younger (born on or after July 7, 2018) <small>*note 4</small>	Yes	After entry: home quarantine 14 days
		All others	No	

Traveler Type	History of Travel	Eligible to Enter Taiwan?	Requirement upon Arrival
Taiwan National	Departure from any international port	Yes	After entry: home quarantine 14 days <small>*short term business traveler see note 1</small>

Note:

- Short-term business travelers can apply for reduced amount of time of home quarantine if such travelers meet all required conditions including obtaining certificate of negative COVID-19 RT-PCR test taken within 3 days. See *Regulations concerning short-term business travelers' applications for shortened quarantine periods in Taiwan* on Taiwan Centers for Disease Control (CDC) website for details.
- Before boarding:** Non-citizens must obtain certificate of negative COVID-19 RT-PCR test taken within 3 days prior to their flight to Taiwan. Use mobile phone to log into the *Quarantine System for Entry* (<https://hdhq.mohw.gov.tw/>) and fill out a health declaration form to acquire confirmation message.
Upon arrival: show confirmation message to quarantine staff. The confirmation message is required for entering Taiwan.
(Visitors of the following categories can be exempted from negative COVID-19 test: personnel on diplomatic or official business, migrant workers, and students (whose entry is managed by the Ministry of Foreign Affairs, Ministry of Labor, and Ministry of Education and who represent manageable risk levels), as well as people coming to Taiwan for emergency situations and crewmembers on vessels arriving in Taiwan (for whom it may be difficult to obtain a certificate of a negative COVID-19 test).)
- Hong Kong/ Macao residents as holders of ARC with the following Residency Code are eligible for entry: HF143 to 152, 155, 162, 163, 171 to 174, 189, 196 to 199.
- Parents who are holders of ARC or Entry Permit for purposes of join-family may accompany their child to enter Taiwan.
- In respond to epidemical changes, adjustment of travel restrictions will be made timely following instructions by Central Epidemic Command Center (CECC).



Taiwan Centers for Disease Control



2020.7.15
National Immigration Agency
Ministry of the Interior

Quarantine System for Entry

! Fall-winter COVID-19 prevention program: Border quarantine !

Starting from 1st Dec., 2020, until 28th Feb., 2021:

- ※ Everyone must wear a face mask before entering airport.
- ※ All travelers coming to Taiwan and transit passengers are required to provide a certificate of a negative COVID-19 RT-PCR test result issued within three days.

In cases where travelers are unable to provide a test result prior to boarding, travelers shall voluntarily make an affidavit when checking in with the airline and shall be seated in a designated area on the flight as arranged by the air line.

Travelers are not subject to penalty if they fail to provide such a test result under the three circumstances:

- 1 Emergency situations
- 2 The traveler arrives from a country where self-paid COVID-19 tests are not available
- 3 Programs managed by relevant ministries and agencies and approved by the CECC

Quarantine System for Entry

The Communicable Disease Control Act: legal basis for 14-days home quarantine:

All inbound travelers are required to undergo home quarantine according to the laws and regulations in Taiwan.

1. In order to conduct electronic tracking for community concern, inbound passengers please act in concert with using our country's telecom number(SIM card can be bought in airport after arriving) and personal cellphone(1 cell per person) for declaration. Nevertheless, special occasions, including, but not limited to children under 12 years old also having the same home quarantine location, is permitted to share the same cellphone for declaration.
2. All inbound travelers are required to stay at a quarantine hotel to undergo home quarantine if you don't have a separate room (including a separate bathroom) or if you live with elderly people 65 years old or older, children 6 years old or under, or persons with chronic diseases (such as cardiovascular disease, diabetes or lung disease, etc.).
3. Moreover, Inbound travelers who enter the main island of Taiwan may not undergo home quarantine on offshore islands.
4. Please log into the system within 48 hours before your flight arrives in Taiwan in order to maintain data correctness.

境外Covid-19確診個案返國應注意事項

Guidelines for Covid-19 confirmed cases returning to Taiwan

防疫旅宿訂房資訊：

<https://taiwan.taiwanstay.net.tw/covhotel/>

Booking information for quarantine hotel

Quarantine System for Entry

1. “Health Declaration form”

- ✓Nationality
- ✓Flight No.
- ✓Departure country
- ✓Travel history during the past 14 days
- ✓A negative COVID-19 test certificate issued within 3 days prior to boarding the flight (for nonnationals).
*Starting from December 1, all have to provide certificate disregard nationality
- ✓Purpose of visiting Taiwan

入境檢疫系統 - 疾病管制署
https://hdhq.mohw.gov.tw

衛生福利部
Ministry of Health and Welfare

入境檢疫系統

Quarantine System for Entry

歡迎您返抵國門 / Welcome To Taiwan

輸入驗證碼： 

提醒您：

- 請詳閱重點聲明事項，並確實填寫旅客入境健康聲明。
- 如無法使用電子系統服務，請填寫紙本「旅客入境健康聲明暨居家檢疫通知書」或「健康聲明卡」。

Please be reminded to:

- Read the declaration items thoroughly and fill in the passenger health declaration.
- Please fill in the “Health Declaration and Home Quarantine Notice” or “Health Declaration Card” in writing if you cannot fill the form through the electronic process.

Quarantine System for Entry

2. “Home Quarantine Notice”

Warning (重點聲明事項)

返國後須居家檢疫

You are required to undergo home quarantine after entry.

依據臺灣法令規定，您為居家檢疫對象，請遵守以下規定：

According to laws and regulations in Taiwan, you are required to take home quarantine after entry and abide by the following requirements:

1. 抵臺後全程佩戴口罩，儘速返家且不得搭乘大眾運輸。搭乘防疫車隊時，請主動出示本通知書收執聯。

After arriving in Taiwan, you must wear a face mask all the time and return home as soon as possible. Do not take public transportation. Please present this notice voluntarily upon getting in a designated transport vehicle.

2. 留在家中不外出，亦不得出境或出國。

Stay at home; do not go outside or go abroad.

3. 與同住家人保持1公尺以上距離；自主詳實記錄體溫及健康狀況及配合必要之關懷追蹤機制(包含以手機門號進行個人活動範圍之電子監督)。

Please keep at least 1 meter away from your family. Please record your body temperature and health status, and cooperate with caring and tracking measures (including using cell phone signals to implement electronic monitoring of your location).

4. 所有入境旅客，若同住者有老年人(≥65歲)、幼童(≤6歲)、慢性病患者(如心血管疾病、糖尿病或肺部疾病等)，或個人無單獨房間(含衛浴)者，應至防疫旅館完成居家檢疫。

All inbound travelers are required to stay at a quarantine hotel to undergo home quarantine if you don't have a separate room (including a separate bathroom) or if you live with elderly people 65 years old or older, children 6 years old or under, or persons with chronic diseases (such as cardiovascular disease, diabetes or lung disease, etc.).

5. 如有發燒、咳嗽、腹瀉、嗅味覺異常或其他任何身體不適，請佩戴口罩，主動與當地衛生局聯繫，或撥1922，依指示儘速就醫，且禁止搭乘大眾運輸工具就醫。

If you have symptoms such as fever, cough or other discomfort, please put on a medical mask, contact with the local health authorities or call the toll-free hotline, 1922, to obtain instructions on seeking medical attention. Do not take public transportation when you go to the hospital.

- 依傳染病防治法第58條規定，入境旅客應詳實填寫並配合居家檢疫措施。
- 拒絕、規避妨礙或填寫不實者，處新臺幣 **1萬至15萬元罰鍰**。違反上述居家檢疫規定者，處新臺幣 **10萬至100萬元罰鍰**。

According to Article 58 of Communicable Disease Control Act, any person who falsifies on this notice will be fined ranging from NT 10,000 to 150,000. Violators of home quarantine requirements will be fined ranging from NT 100,000 to 1,000,000.

- 當事人就其個人資料，得依個人資料保護法規定，行使查詢、請求閱讀、製給複製本、補充或更正、刪除等權利，亦得請求停止蒐集、處理或利用。但主管機關因執行職務或業務所必須者，不在此限。

You shall be able to exercise the right of, based on regulations of the Personal Data Protection Act, making any inquiry of, reviewing, requesting a copy of, supplementing or correcting, erasing, as well as demanding the cessation of the collection, processing or use of your personal data. Unless the processing or use is either necessary for the performance of an official or business duty, or has been agreed to by the data subject in writing.

Quarantine System for Entry

3. Continue to fill out “Home Quarantine Notice”

✓ Passenger Information (Name, Nationality, Seat No, arrival port)

✓ COVID-19 symptoms and/or medication in the past 14 days

If having have any symptoms during the flight/voyage, please actively contact quarantine officers after disembarking

✓ Any contact with any suspected or confirmed COVID-19 case during the past 14 days

✓ Contact information (Telecom service provider, mobile phone no., quarantine address)

✓ Method of transportation from the airport to home/hotel* (quarantine taxi is available)

quarantine hotels receive government aids that provide better rates with \$30-\$40 discount/night (3-star hotel cost \$30-\$50/night)

☐ 本人確認上列所填寫資料內容均屬實，填寫不實或違反居家檢疫規定者，將依「傳染病防治法」第58條、及同法第69條處新臺幣 **1萬至15萬元罰鍰**。
。違反居家檢疫規定者，處新臺幣 **10萬至100萬元罰鍰**。

I hereby confirm the above information is accurate and understand that violators of home quarantine requirements who refuse to take the measures, provide inaccurate records, go outside, or take public transportation without consent will be fined ranging from NT 10,000 to 150,000 according to Article 58 and 69, Communicable Disease Control Act. Violators of home quarantine requirements will be fined ranging from NT 100,000 to NT 1,000,000.

Quarantine System for Entry

Quarantine Measures for Inbound Travelers

Quarantine Hotels Booked



Check
before Boarding



Onboard
Quarantine/
Announcement



Onboard Quarantine

Quarantine System for Entry



Home
Quarantine
Notice



Fever Screening
Symptom Check



Fever Screening



Collecting Specimen

Inbound Travelers are not allowed
to take public transportation



Special Taxis or
Rental Cars



Home
Quarantine for
14 Days



Home Quarantine Package

Quarantine System for Entry

4. Complete 14-day home quarantine



5. Finish 7-day self-health management after quarantine

Quarantine System for Entry

- Guidelines for **confirmed cases** returning to Taiwan
 - Accordance with the Communicable Disease Control Act
 1. Cases who developed symptoms more than two months prior to the flight date and whose symptoms have abated.
 2. Those who developed symptoms at least 10 days earlier and can produce two negative COVID-19 test certificates (issued for specimens taken at least 24 hours apart).
 - If passengers report symptoms when landed, a COVID test would be taken immediately after entry Taiwan.
 - ✓ Two negative results in (24 hours in between) before leaving a designated quarantine center.
 - ✓ Carry out 14 day self-isolation at home or designated quarantine hotel.
 - ✓ **A positive test will mean hospitalization.**



Taiwan Centers for Disease Control
衛生福利部疾病管制署

Taiwan Assures Health
and Safety to Visitors
During Global Novel
Coronavirus Outbreak



Quarantine System for Entry

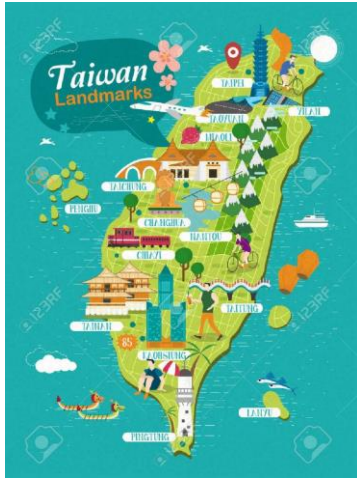
- Compensation for epidemic prevention

- Quarantine/isolation subjects or family members (caregivers that can not go to work) that adhere to the rules.

- ✓Taiwanese citizens and Alien Resident Certificate (ARC) holders
- ✓allowance of NT\$1,000 (US\$33.35) per day
- ✓free Wi-Fi
- ✓care packages including food, surgical masks, and disinfecting supplies
- ✓If individuals live alone, the government can provide services such as food and medicine.







Culture. noun

“The way of life, especially the general customs and beliefs, of a particular group of people at a particular time.”

-Cambridge dictionary-

Values

Norms

Religions

Politics

Economy

Education



Creator: dorian2013 | Credit: Getty Images/iStockphoto, Copyright: Maxim Zarya

Cultural Factors

- First line of defense- face mask



Cultural Factors

- Social norms of face mask wearing before pandemic
 - ✓ Air pollution
 - ✓ Traffic exhaust
 - ✓ Airborne germs/allergens
 - ✓ Courtesy to others when feeling ill
 - ✓ Stay warm in winter



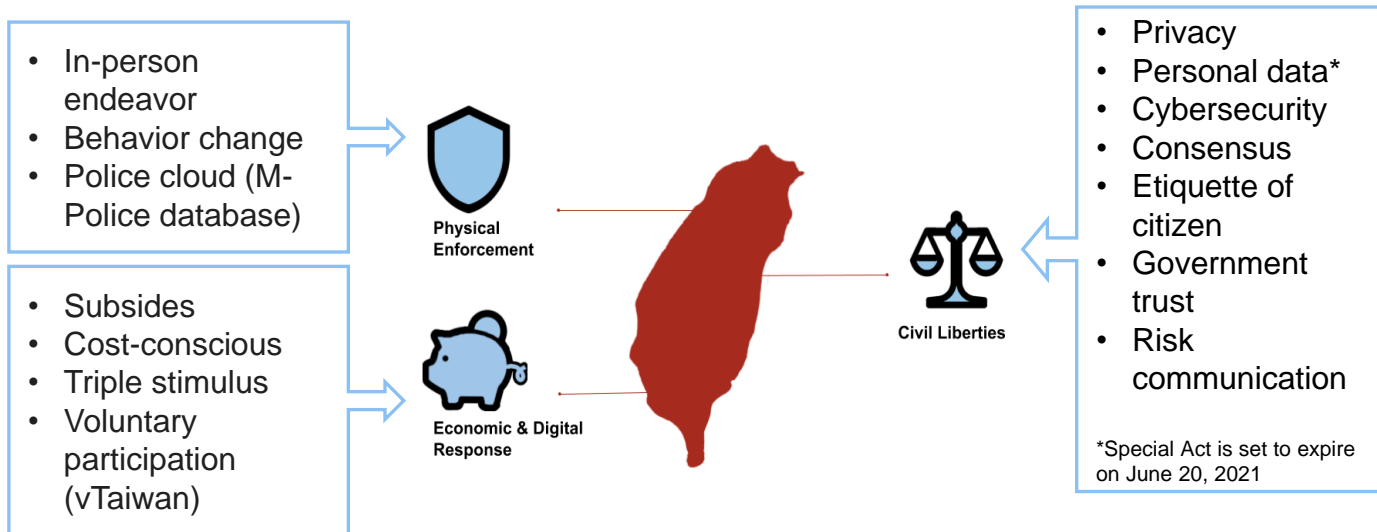
Cultural Factors

- Face mask wearing during COVID-19 pandemic



Cultural Factors

- **Transparency, Openness, Democratic society in Taiwan**



Cultural Factors

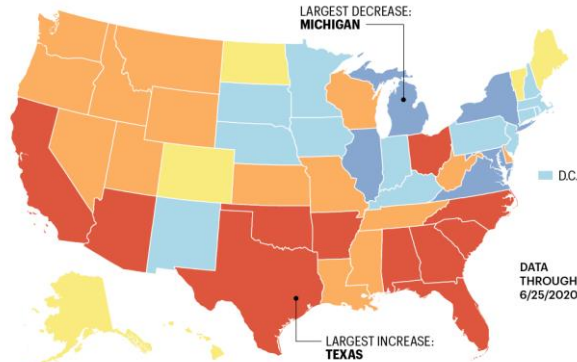


societal philosophy

RIISING AND FALLING NEW CORONAVIRUS CASES

CHANGE IN NUMBER OF NEW CASES COMPARED TO 14 DAYS AGO*

STRONG INCREASE INCREASE FLAT DECREASE STRONG DECREASE



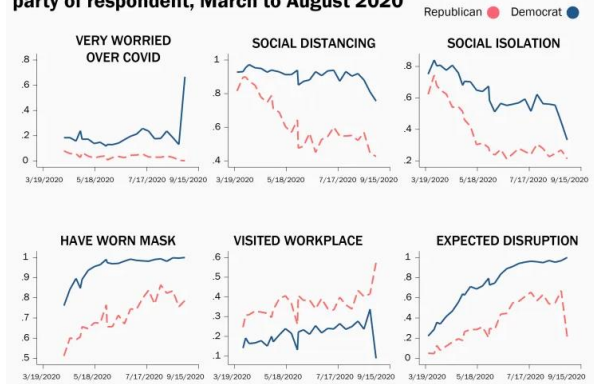
*CHANGE IN SEVEN-DAY AVERAGE OF NEW CASES TWO WEEKS AGO TO 6/25/2020.

*"STRONG" CHANGE: +/-200; "FLAT": +/-10

SOURCE: NY TIMES COMPILATION OF STATE AND LOCAL GOVERNMENTS AND HEALTH DEPARTMENTS DATA

FORTUNE

Figure 1. Attitudes and behaviors regarding COVID-19 by political party of respondent, March to August 2020



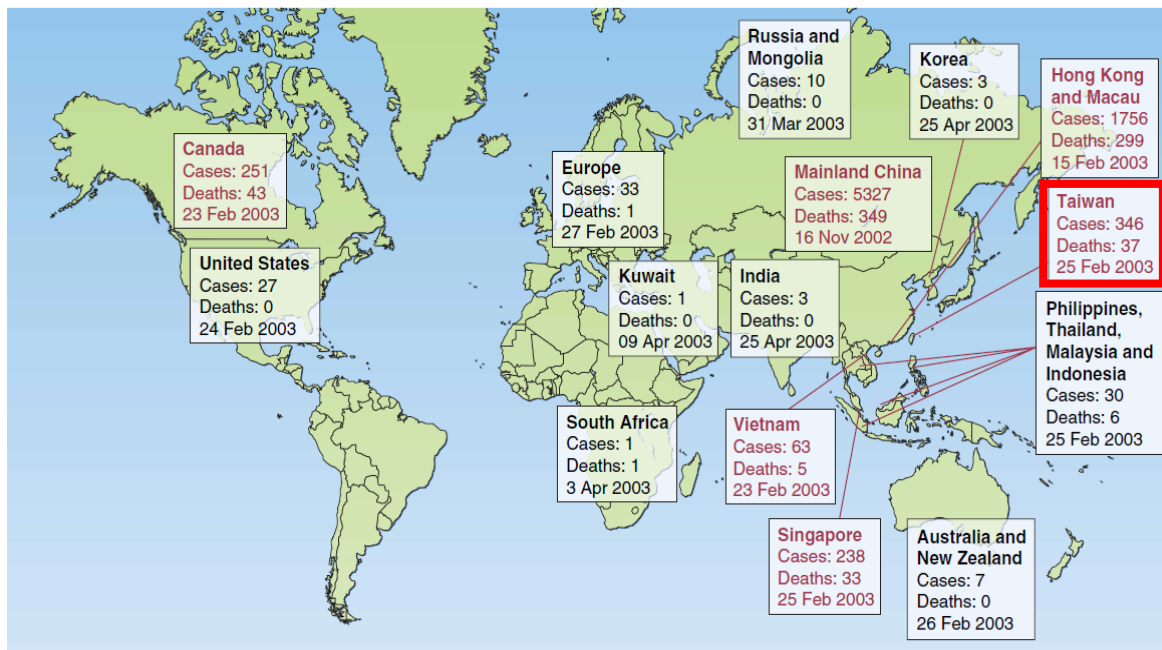
Source: Gallup Panel COVID Tracking Survey.

Note: 117,602 responses from U.S. adults from March 19 to August 30, 2020.

BROOKINGS

Cultural Factors- Learn from SARS

- Experience from severe acute respiratory syndrome (SARS) epidemic in 2003



Cultural Factors- Public Health Policy

- Since SARS epidemic in 2003: epidemic prevention
 - Regulatory Review
 - ✓ Amendment of the Communicable Disease Control Act and relevant regulations
 - Organizational adjustment
 - ✓ the National Health Command Center was established on January 18, 2005, and has a complete epidemic prevention system
 - Practical operations
 - ✓ Mobilization of medical care institutions: 20,000 isolation rooms with 14,000 ventilators. Laboratory development for rapid tests.
 - ✓ Enhancement of hospital infection control: inpatients, outpatients and emergency room patients (conduct outbreak drills regularly.)
 - ✓ Standardization of communicable disease surveillance and reporting

Leadership- Vice president Chen Chien-Jen P

“Taiwan’s weapons against coronavirus: An epidemiologist as vice president”- New York Times



“Decision making is based on evidence, not personal political view”
-Vice President Chien-Jen Chen

Leadership- President Tsai Ing-Wen

“Under Tsai Ing-wen’s leadership (decisiveness), Taiwan has earned global praise for its handling of the crisis and become a model to emulate” - Forbes

“Tsai Ing-Wen of Taiwan have emphasized compassion and patience, rather than war and victory” – Fortune

“Tsai’s warm, authoritative style has won her plaudits, even from political opponents”- The Guardian



“Taiwan is no stranger to hardship, and our resilience stems from our willingness to unite to surmount even the toughest obstacles. This, above all else, is what I hope Taiwan can share with the world: **the human capacity to overcome challenges together is limitless.** Taiwan can help.”

-President Tsai Ing-Wen

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University of
Pittsburgh

Department of Pediatrics
School of Medicine