

# **TOTA and OT Schools Contingency Measures In Response to COVID-19**

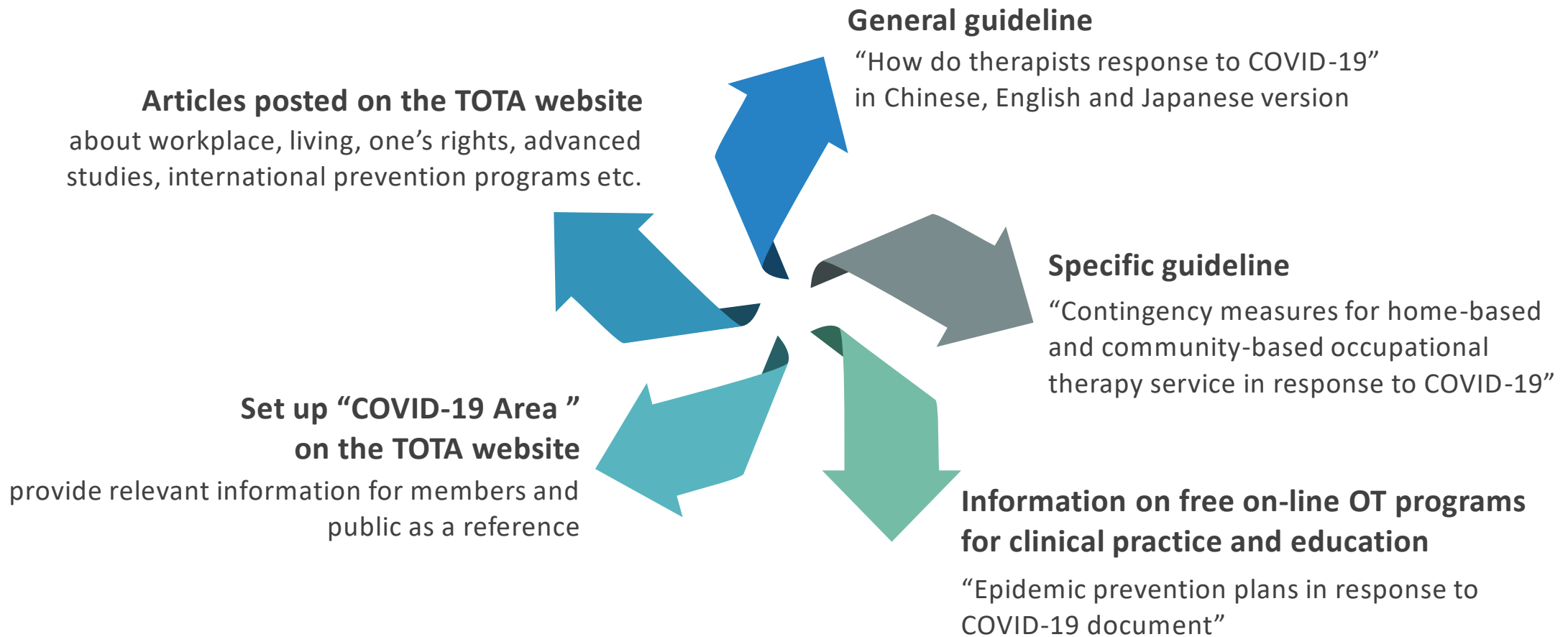
# Content

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# Nationwide Occupational Therapy



# Professional Educatio



- ☒ Survey schools and placement units' opinions about adaptation program's ratio and set up the standard
- ☒ Formulate "Adaptation Program Standard for Fieldwork Level II Occupational Therapy Clinical Training"
- ☒ Held Forum for planning clinical training adaptation program in response to COVID-19" with schools and clinical placements
  - Postpone the schedule of clinical training
  - Integrate clinical practice materials from clinical placements to enrich adaptation teaching contents
  - Provide a sample of affidavit letter for risk of clinical training during COVID-19 pandemic for schools and placement units

# Contingency Measures with Government Agencies



## Promotion

→ Assist National Health Agency to promote epidemic prevention policies and measures



## Adaptation program for fieldwork level II practice

→ Provide Ministry of Education about the contingency mechanism for clinical training and the possible max ratio for the substitutive program



## Compensation, subsidy, and relief packages for OT centers

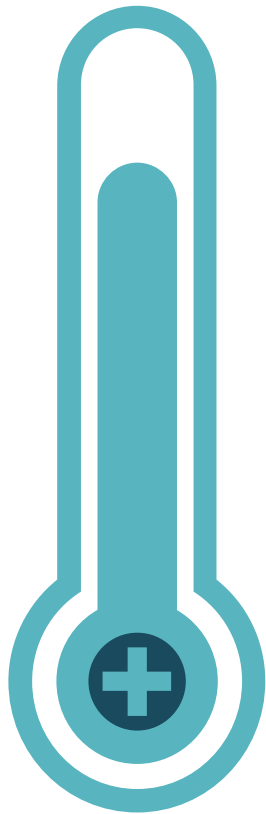
→ Ask Ministry of Health and Welfare for providing compensation and relief package for the closure of occupational therapy centers






## Student vaccination

→ Ask Taiwan Centers for Disease Control to allow students for vaccination before fieldwork level II practice

# International Community Interaction



-  Assist the promotion of WFOT's survey
-  Assist the promotion of WFOT Occupational therapy and rehabilitation of people affected by the COVID-19 pandemic
-  **Webinar:** Taiwan Occupational Therapy Association partners with Association of Caribbean Occupational Therapists to discuss COVID-19

# Contingency Measures for Projects

## After Level 3 Alert

- Taipei City Vocational Assessment Project
- Taipei City Job Accommodation Project
- Taoyuan, Hsinchu and Miaoli Resource Center
- Delay Disability Counseling Network Project
- Taipei City Vocational Assessment Project

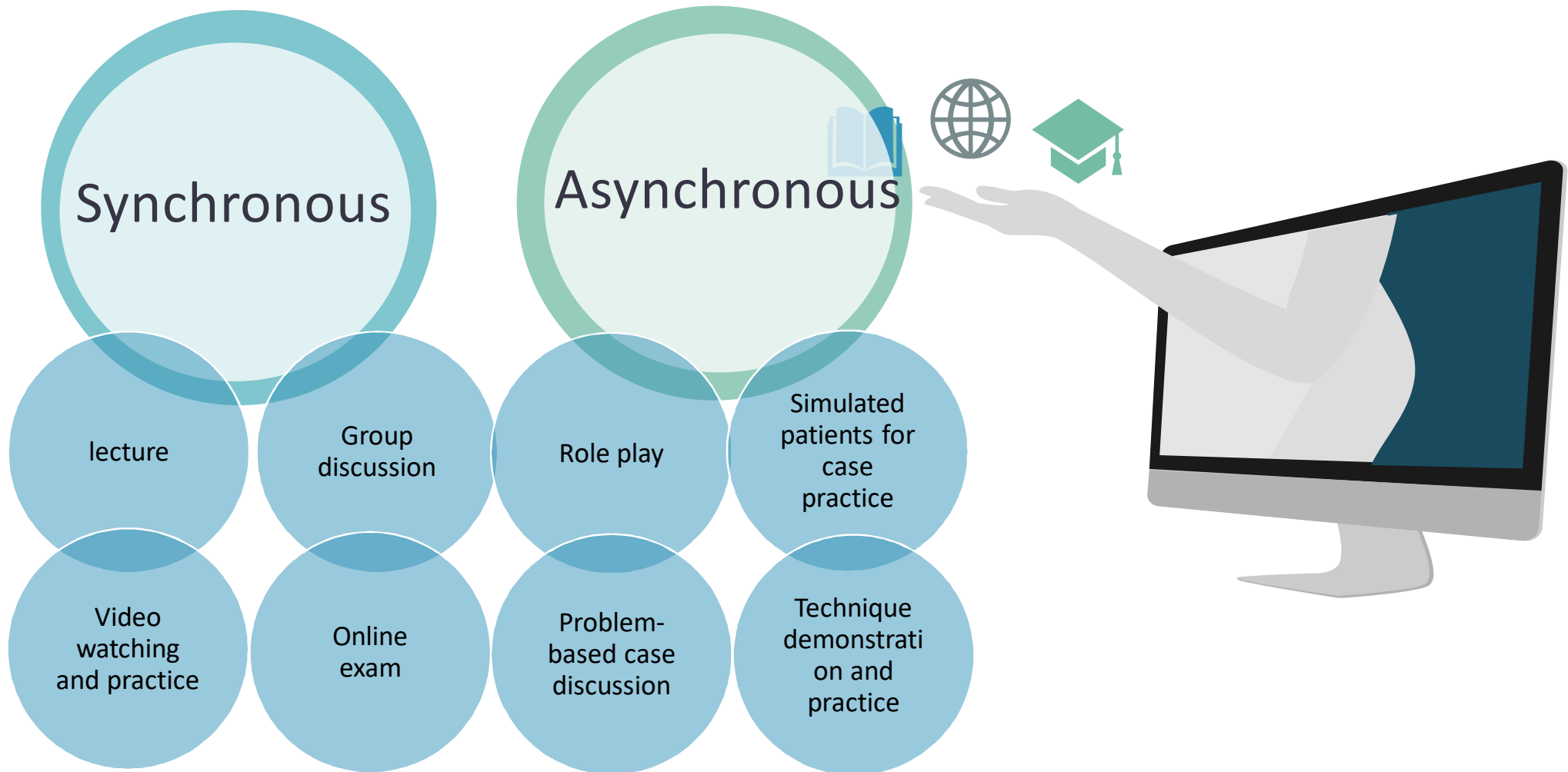


# School Adaptations In Response to COVID-19





# On-line teaching



# International Exchange Programs

## 1 Singapore Institute of Technology

Online forum for undergraduate students at Chang Gung University

## 2 San Jose State University

- Virtual summer program for Chang Gung University
- Undergraduate/graduate students and clinical practitioners

## 3 University of Southern California

Online meeting for Asia University and USC for undergraduate students

## 4 Master Degree Program - UM and CGU

- Two master degrees program between University of Minnesota-Twin cities, Department of Kinesiology and Chang Gung University, Department of OT
- 1 year at CGU + 1~1.5 years at UM



# Singapore Institute of Technology



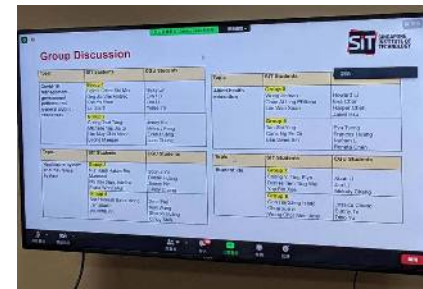
Opening



Student presentation



Group discussion



Agenda

# San Jose State University

## Course topics:

Integrating **mindfulness** practice in clinical practice

A

**Sleep** education and treatment

B

**OT Advocacy, Management and Leadership:** from clinical practice to academics

C



E

**Wellness and Fall Prevention Programs**

F

**OT in the Community:** At Risk Youth & Young Adults

G

**Mental Health** OT in the hospital and community

D

**Occupational Justice:** Occupational Therapy Services for those who are Homeless; community services across the lifespan

Virtual summer program: August 2, 2021~August 13, 2021  
Non Live (Asynchronous)/ Live (Synchronous)

亞洲大學  
Asia University

職能治療學系

Department of  
Occupational Therapy

# International Course Meeting

(Asia University Vs University of Southern California)



Online Meeting  
of  
Asia University & USC

International  
Student Exchange

# Master Degree Program - UM and CGU

**First year:**  
Chang Gung University,  
Department of Occupational  
Therapy,  
Master degree



**Second year:**  
University of Minnesota,  
Department of Kinesiology,  
Master degree

# Study on client behavior under epidemic

## Impact of COVID-19 ‘Stay Home, Stay Healthy’ Orders on Function among Older Adults Participating in a Community-Based, Behavioral Intervention Study

DOI: 10.1177/0898264321991314

Journal of Aging and Health 2021, Vol. 0(0) 1–11

Leah M. Adams, PhD, Nancy M. Gell, PhD, MPH, Elise V. Hoffman, BS, Laura E. Gibbons, PhD, Elizabeth A. Phelan, MD, MS, John A. Sturgeon, PhD, Dennis C. Turk, PhD and Kushang V. Patel, PhD, MPH

Present by 許哲睿 2021.4

**Table 2.** Change in PROMIS-29 Profile T-Scores (v2.1) from the Pre-COVID-19 (baseline) Period to when Stay-At-Home Orders were Implemented.

Domain	Pre-COVID-19 Period Mean (SD)	Stay-At-Home Period Mean (SD)	Mean Difference (95% CI)	p Value
Anxiety	49.1 (7.2)	52.9 (9.5)	3.9 (1.3, 6.6)	.005
Depression	48.3 (8.2)	49.2 (8.4)	.8 (–1.7, 3.2)	.52
Fatigue	50.9 (8.5)	47.6 (10.3)	–3.3 (–5.9, –.6)	.02
Sleep disturbance	48.7 (9.1)	49.3 (9.2)	.6 (–2.7, 3.9)	.70
Satisfaction with participation in social roles	52.4 (8.1)	45.1 (8.7)	–7.3 (–10.5, –4.10)	<.001
Physical function	42.4 (5.7)	43.1 (6.0)	.8 (–.8, 2.4)	.31
Pain interference	56.4 (6.0)	54.6 (7.5)	–1.8 (–4.1, .5)	.12



The background is a solid teal color. Overlaid on this are several elements: a faint world map, a network of white dots connected by thin lines, and a stylized white line-art illustration of a person's head and shoulders wearing a face mask. The person is facing left. A white rectangular box with a fine grid pattern is positioned in the center-left, containing the text.

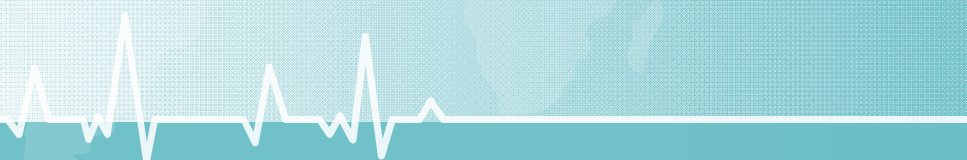
**Thank you for your attention**



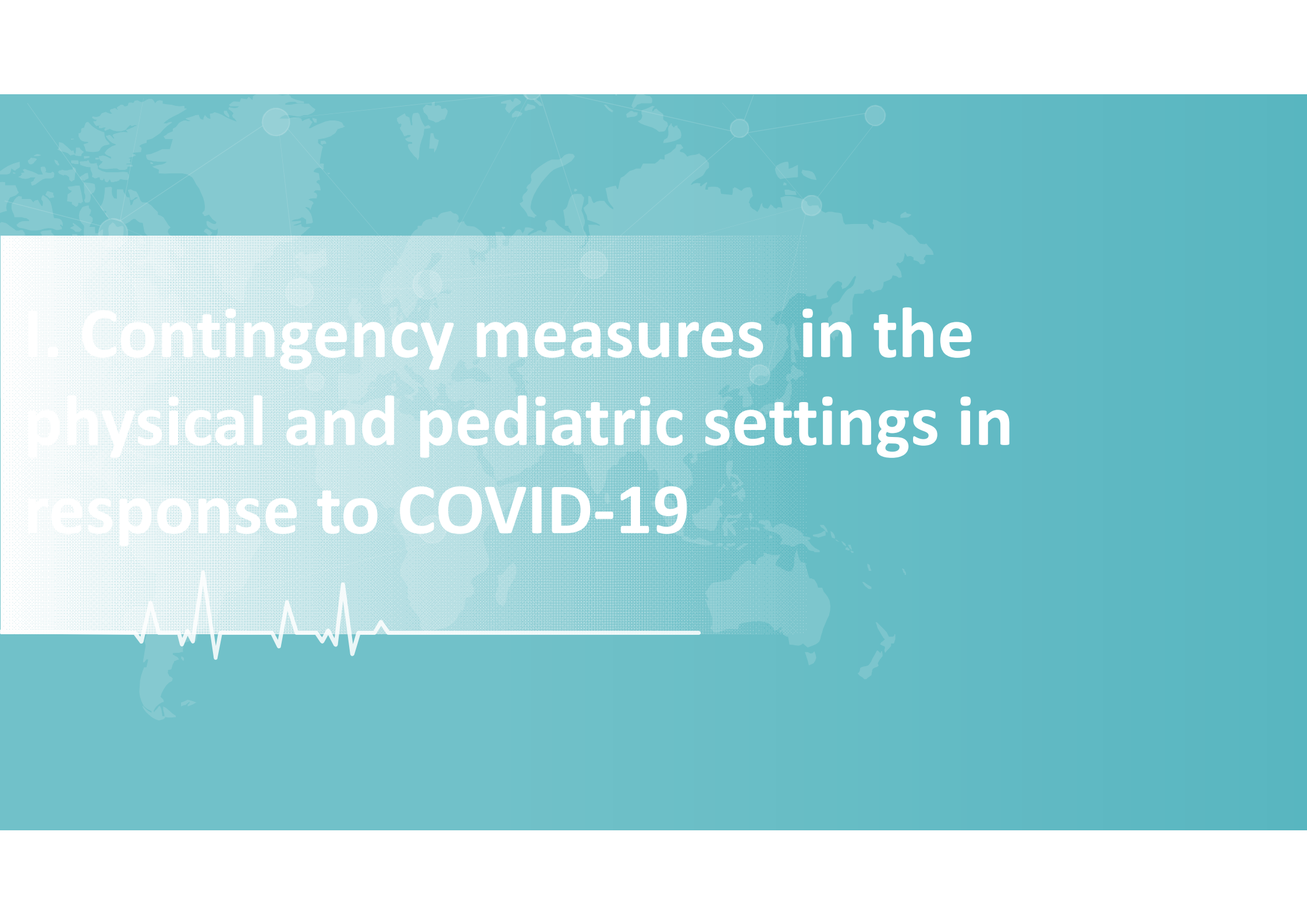




# Contingency measures in the practice settings in response to COVID-19: Physical, Pediatric, and mental health



**President Ching-Yi Wu, ScD, OTR**  
**Taiwan Occupational Therapy Association**



# I. Contingency measures in the physical and pediatric settings in response to COVID-19

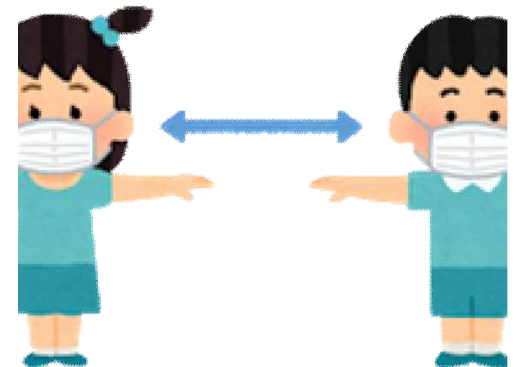


# Infection control for Therapists

- Self-health management
  - measure body temperature every day, report if there is a fever
- Isolation and triage measures
  - arrange different resting areas and treatment rooms for therapists with different duties
- Mask and other personal protective equipment when needed,
  - e.g. goggles, face shield, gloves
- Hand hygiene
  - wash hands before and after every patient contact
- Online education courses
  - Staff required to receive courses related to COVID-19 epidemics

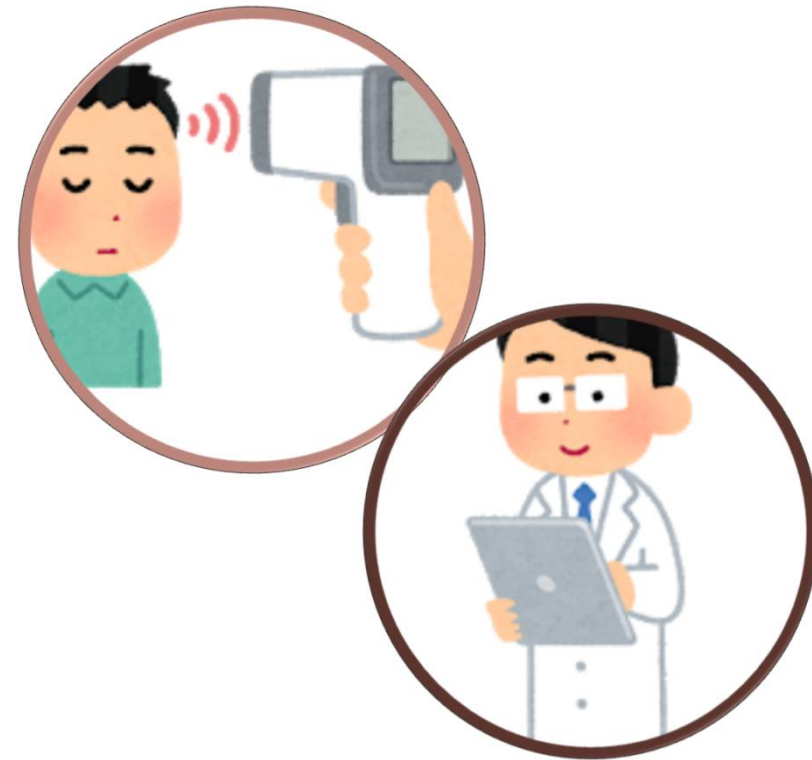
## Infection control of Environment

- Checkerboard seating, install dividers, or reduce group size
  - in the therapeutic room to maintain social distance
- Sterilize therapeutic equipment after use



# Infection control for patients

- Isolate and triage
  - Both for in-patients and out-patients
- Health management
  - Measure body temperature, ask TOCC and wear a mask when entering the therapeutic room
- Only one person to accompany a patient
- Minimize chatting during therapy
- Getting the patient's PCR report or negative antigen test result
  - taken within a week at the first time of therapy or before conducting therapy



# Flow of Therapy

## In-patient

Medical review,  
is the client being  
**quarantined**?

Yes



Conduct **bedside**  
rehabilitation with  
personal protective  
equipment

↓ No

Inform the client to  
rehabilitate in the  
**therapeutic room**



Measure client and  
caregiver's **temperature**,  
is there a fever?

Yes



Stop therapy, inform  
the primary nurse

↓ No

Enter therapeutic room,  
adopt **checkerboard**  
seating

## Out-patient

**Real name**  
**registration system:**  
NHI card or in writing



Measure client and  
caregiver's temperature,  
is there **a fever**?

Yes



Stop therapy

↓ No

Ask **TOCC** for any risk

Yes



Stop therapy

↓ No

Enter therapeutic room,  
adopt **checkerboard**  
seating



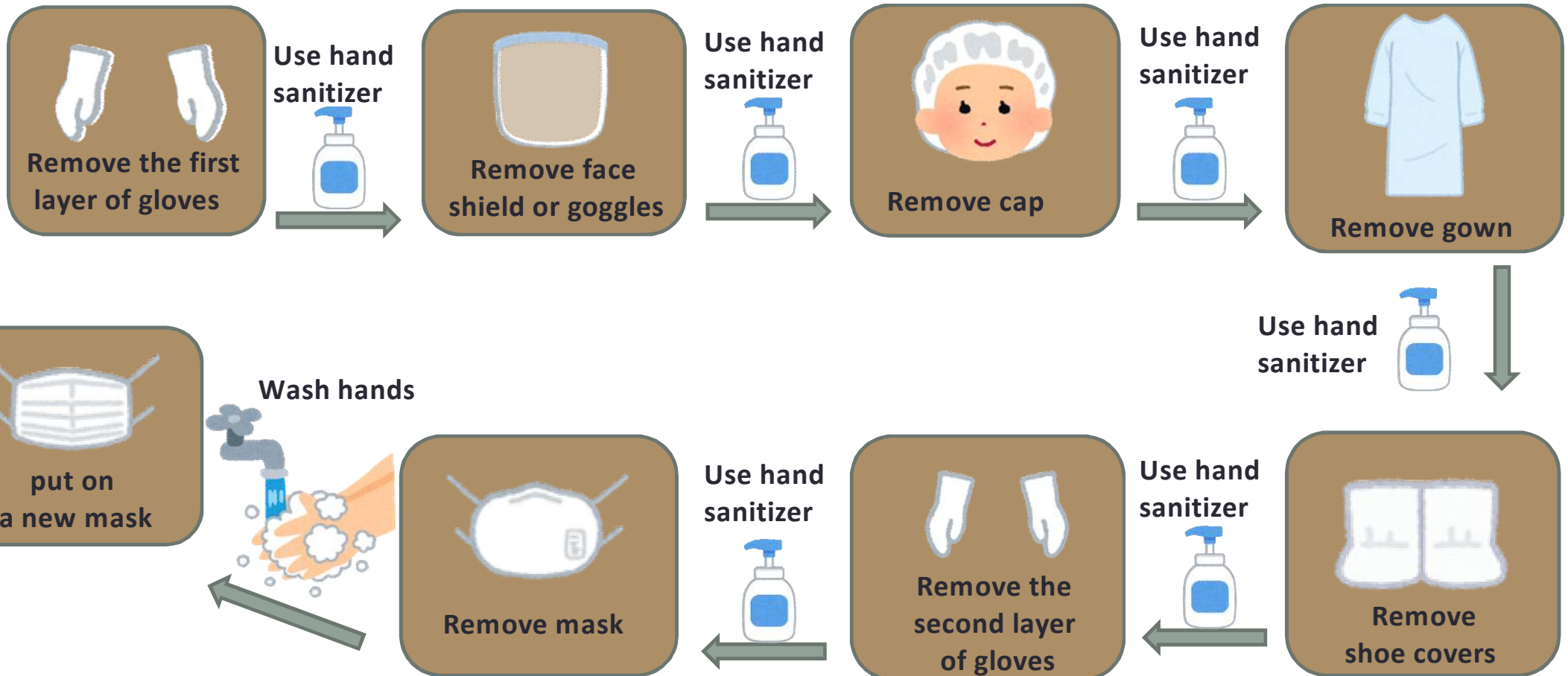
# Personal Protective Equipment - Sequence of donning

The main objective of this sequence is to reduce the risk of self-contamination during doffing personal protective equipment. It can be modified according to the situation and characteristics of the department and equipment donned.

1. Perform hand hygiene
2. Put on the first layer of gloves
3. Put on shoe covers (if needed)
4. Put on gown
5. Put on surgical mask or N95 mask (with fit check)
6. Put on cap
7. Put on the second layer of gloves (make sure it covers the cuffs of the gown)
8. Put on face shield or goggles
9. Check the completeness of equipment



# Personal Protective Equipment - Sequence of doffing



# COVID-19 Patient Risk Assessment Form

Category	Travel history	Occupation	Contact history	Cluster
Question	What is your travel history within the last 14 days?	What is your occupation?	What is your recent contact history, and what places have you been to?	Have you been in large crowds (in clusters) in the past month?
Evaluation Item	<input type="checkbox"/> I have travelled overseas (Countries visited: )	<input type="checkbox"/> Healthcare worker (e.g., medical/non-medical personnel, including outsourced worker, intern, <b>laboratory personnel</b> and healthcare volunteer.) <input type="checkbox"/> Transportation industry (e.g., taxi driver and coach driver.) <input type="checkbox"/> Tourism industry (e.g., tour guide and <b>tour operator</b> .) <input type="checkbox"/> Hotel industry (e.g., housekeeper, receptionist, and <b>quarantine hotel staff</b> .) <input type="checkbox"/> Airline industry(e.g., aircrew.) <input type="checkbox"/> <b>Food and beverage industry or general merchandise industry (e.g., department store/shopping mall, entertainment venue, food delivery service.)</b> <input type="checkbox"/> <b>Diplomat or employee at an international company</b> <input type="checkbox"/> Others:	<input type="checkbox"/> Have been to hospitals, clinics for treatment <input type="checkbox"/> <b>Have come into contact with friends, relatives/family members/colleagues who have travelled abroad or foreign nationals</b> <input type="checkbox"/> Have been to airports, tourist attractions, and other places frequently visited by foreigners <input type="checkbox"/> Have come into contact with wild animals, poultry and birds <input type="checkbox"/> Others:	<input type="checkbox"/> Living with your family, and your family members are currently <input type="checkbox"/> Undergoing isolation at home <input type="checkbox"/> Undergoing quarantine at home <input type="checkbox"/> Managing their own health (until _____ month/date) <input type="checkbox"/> Family members also have a fever or respiratory symptoms <input type="checkbox"/> Friends also have a fever or respiratory symptoms <input type="checkbox"/> Colleagues also have a fever or respiratory symptoms



# COVID-19感染リスク評価表

種類	Travel history 渡航歴	Occupation 職業	Contact history 接触歴	Cluster 集団活動
質問	14日以内の渡航歴をお教え下さい。	ご職業をお教え下さい。	最近の接触歴と出入りした場所をお教え下さい。	一ヶ月以内に参加した集団活動をお教え下さい。
評価項目	<input type="checkbox"/> 海外渡航歴がある。 (渡航先の国： )	<input type="checkbox"/> 医療従事者 (アウトソーシング・実習 生・衛星保健ボランティアなどを含む) <input type="checkbox"/> 運輸業(タクシー・バスのドライバーなど) <input type="checkbox"/> 旅行業(ツアーガイドなど) <input type="checkbox"/> ホテル業(客室清掃作業員・フロントスタッフなど) <input type="checkbox"/> 航空業界 (キャビンクルーなど) <input type="checkbox"/> その他：	<input type="checkbox"/> 病院・診療所に行ったことがある。 <input type="checkbox"/> 海外渡航歴があって、今熱・呼吸器症状のある友人・家族と接触したことがある。 <input type="checkbox"/> 空港・観光スポット・外国人と頻繁に接触するような場所に入ったりしたことがある。 <input type="checkbox"/> 集会に参加したことがある。 <input type="checkbox"/> 宗教・政治・学術・芸術文化イベントに参加したことがある。 <input type="checkbox"/> 始業式・卒業式・結婚式・葬式・スポーツの試合などに参加したことがある。 <input type="checkbox"/> 野生動物と鳥類に接触したことがある。 <input type="checkbox"/> その他：	<input type="checkbox"/> 家族と同居している 尚且つ、家族が現在 <input type="checkbox"/> 在宅隔離中  <input type="checkbox"/> 在宅検疫中  <input type="checkbox"/> 自主健康管理中(期限：月/日まで) <input type="checkbox"/> 家族に熱・呼吸器症状がある。 <input type="checkbox"/> 友人に熱・呼吸器症状がある。 <input type="checkbox"/> 同僚に熱・呼吸器症状がある。

# Modification of Working Model

- Supporting Role
  - Staff support administrative work of PCR screening, vaccination and TOCC, scheduled by the hospital's infection department
- Clinical work
  - All onsite clinical services suspended, staff are encouraged to apply for off site work
  - All regular administrative and clinical meetings held online
  - Provide consultation and support to the clients and families via phones, LINE and other forms of telecommunication

# Self initiation of staff to promote self health

- Virtual casual chatting during lunch breaks
- Regular online meeting mutually sharing lessons learned from online services
- Mutual psychological support through LINE group

# Innovative Service in Pediatrics during the Pandemic

- Team work on FB Fan Page focusing on assisting the families to adjust to new lifestyles
- Online consultation, focusing on
  - re-arrangement of daily routines
  - work with families in creating meaningful home based co-occupations
  - child's participation in school's online courses
  - management of child's challenging emotions and behaviors
  - provide psychological support

# Innovative Service during the Pandemic

- Organizing Online lectures and conferences for caregivers
  - parent skills training
  - preparation for child's school entry
- Reviewing home video clips sent by families who seek for consultation
  - activity grading and adaptation
  - consideration of personal and contextual factors



## II. Contingency Planning for Occupational Therapy Service in Mental Health Units in Response to COVID-19 epidemic



# Objectives

Maintain sufficient treatment capacity

-- for acute and chronic psychiatric patients to receive treatment stably during COVID-19

Ensure the non-stop service during COVID-19

-- provide various type of supportive services for psychiatric patients in community to replace the original service on the basis of a group form

Provide strategies for lifestyle modification and stress coping during COVID-19

-- for the frontline workers and patient's caregiver

# For Hospital – Staff and Activity Space Arrangement

## Control of Staff

- Isolation and triage measures
  - Fixed occupational therapists responsible for fixed wards work in different and fixed offices
- Therapists lead ward groups in wards
  - avoid cross infection between therapists and patients

## Infection Monitoring

- Health management
  - measure body temperature and report symptoms of fever and diarrhea every day
- Separate the office area
  - to avoid excessive face-to-face contact

## Equipment Sterilization

- Use alcohol for sterilization
- Use disposable sheath for the use of equipment



# Hospital – Content of Service

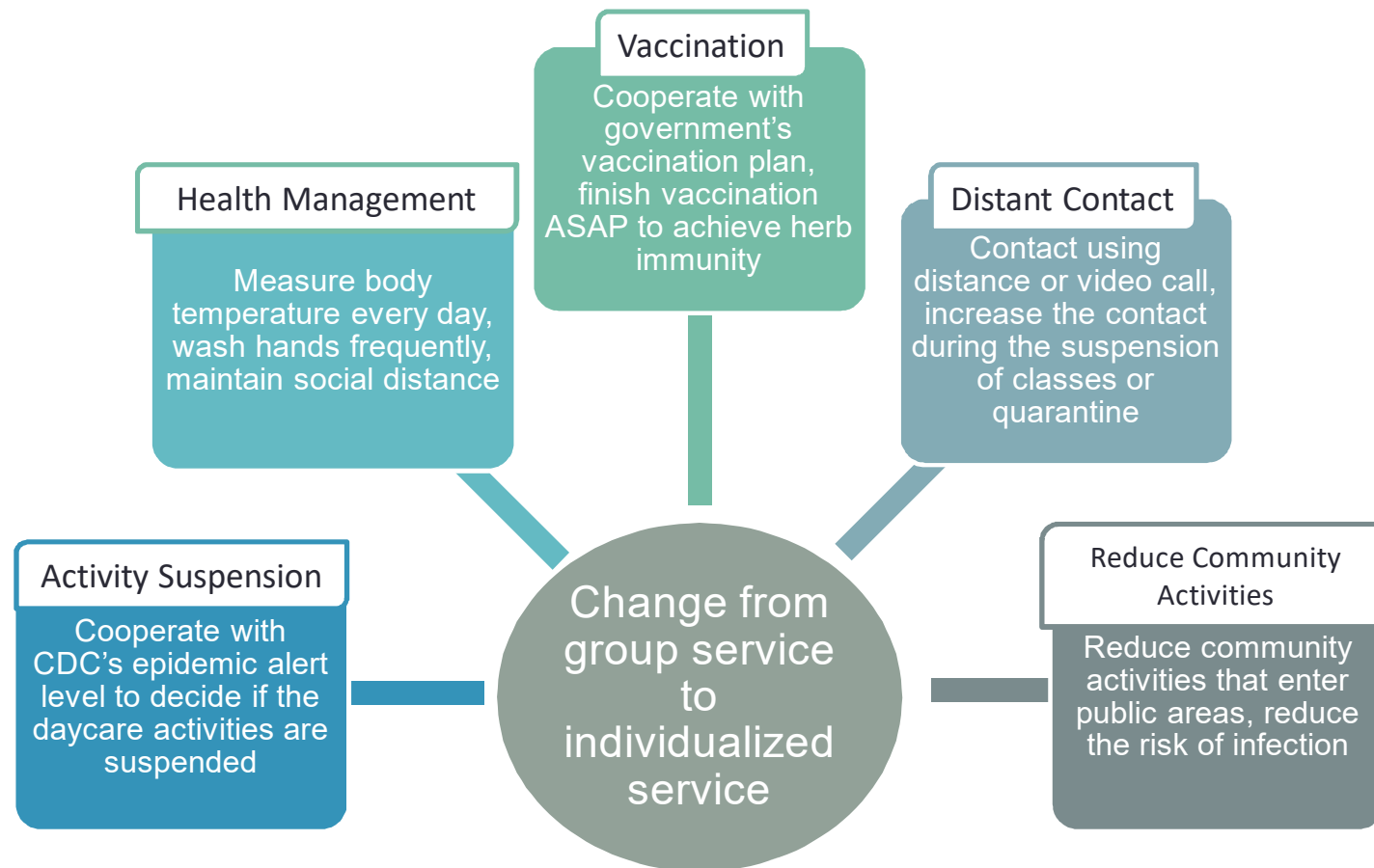
## Modify the Flow of Group Activities

- Require all patients to **wear a mask** during the entire activity
- All patients **wash hands** before the activity starts
- Encourage all patients to **wash hands** after the activity
- Adopt **checkerboard seating** during the activity to maintain suitable social distance

## Redesign Activities

- Mainly design activities that can be **finished by oneself**, reduce excessive contact between patients
- **Integrate information of COVID-19 into activity topics**, raise patients' understanding towards the disease, reduce patients' anxiety

# Community-Based Rehabilitation- Modify Mode of Service In Response to COVID-19



# Community-Based Rehabilitation- In Response to the Modified Mode of Service

## Resources inventory of the Organization

- Is the manpower capacity enough for the modified mode of service
- Is there enough transportation to maintain the modified mode of service
- After the modification of the mode of service, is the resources enough to support the service sustainably

## Client Need Assessment

- Is the client's lifestyle remains stable after the mode of service modification
- Which part of the client's service needs to be modified

## External Environment Evaluation

- Effect of the epidemic changes and government's contingency plans to staff and risk assessment for the service

# Community-Based Rehabilitation-Modification of Service Content



Provide home-based vocational rehabilitation



Provide individualized home-based rehabilitation, care and remind them to maintain home-based lifestyle and provide emotional support via phone calls



Use technology to provide home visit, use Google Map for positioning, report special conditions in Line groups, personnel aid with return visit and short-term hospitalization



Assist psychiatric patients in community to get registration, transportation, and vaccinated, and follow up



AZ vaccine from Japan,  
ありがとうございます！

# Community-Based Rehabilitation- In Response to the Modified Service Content

## Maintain lifestyle

- ADL: Daily life arrangement, leisure recommendation, supervision of personal hygiene, home maintenance, finances management
- Health maintenance: Return visit reminder/help with collecting medicine, organize medicine, take medication regularly, weight and diet control, blood glucose monitoring
- Work: Home-based vocation, workplace epidemic prevention measure reminder
- Family: Family care skills practice and psychological support
- Allocate resources: Help in various subsidies, apply for relief packages

## Emotional Support

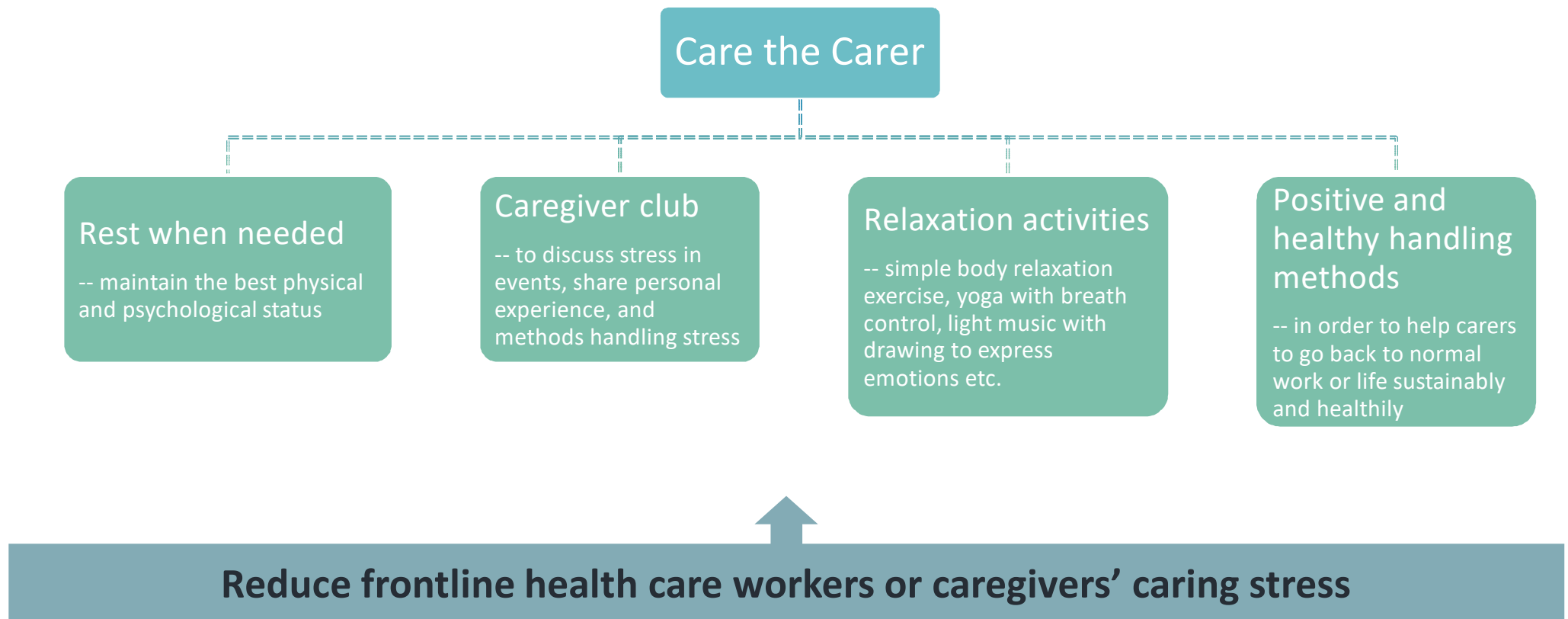
- Supportive Interview
- Out-patient medication adjustment (Video-call/in-person)
- Accompany going out, take a ride

## Crisis Management

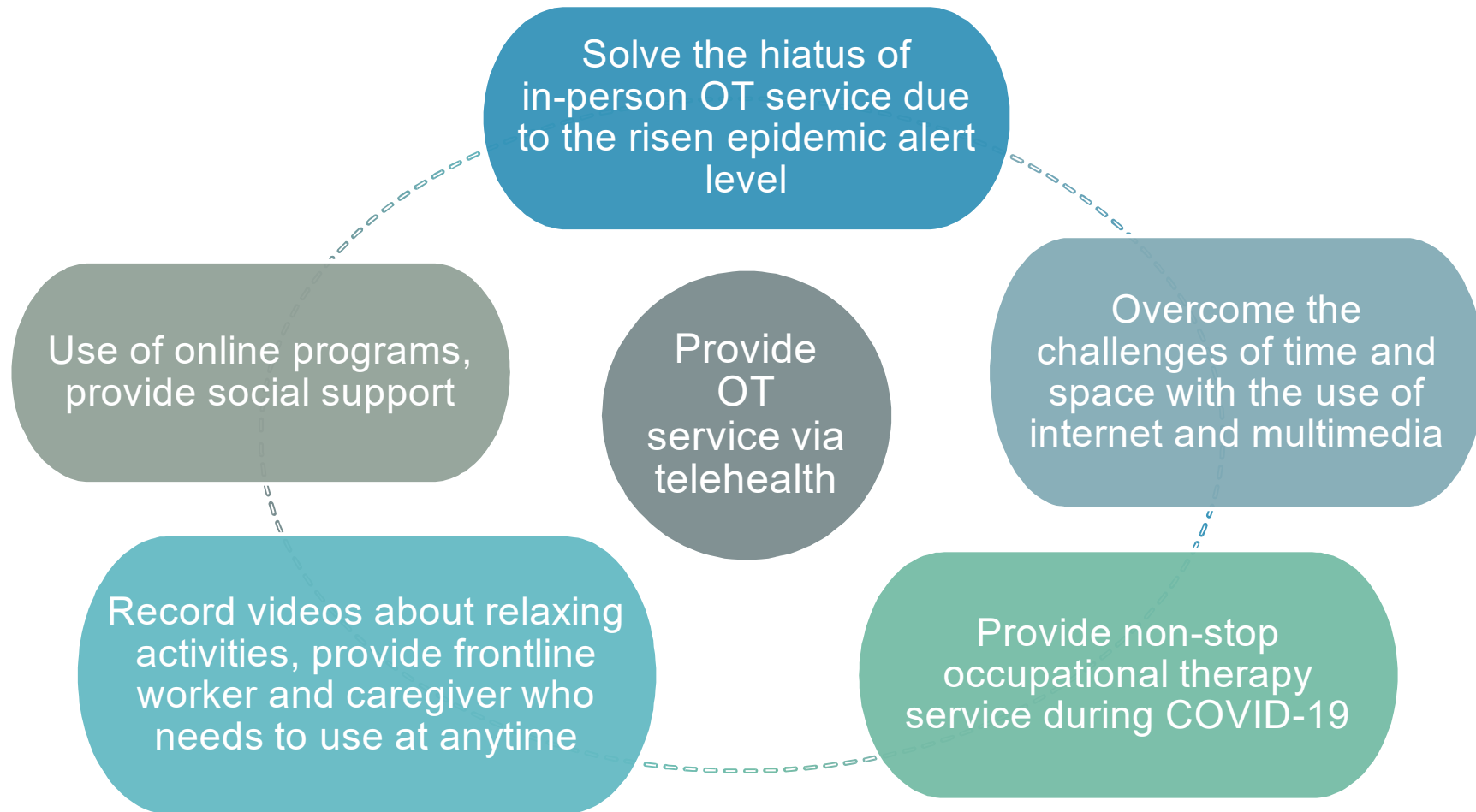
- Short-acting injection
- Arrangement for hospitalization (Contact for bed and PCR test)



# Frontline Workers and Patients' Caregivers



# For Frontline Workers and Patients' Caregivers



## Acknowledgement

- Appreciations to Chia-Chih Lu, Tzyh-Chyang Chang, Wan-Ying Chang, Te-Chun Chen for preparing this powerpoint.

## Reference

- Website of Taiwan Centers for Disease Control  
<https://www.cdc.gov.tw/>