



# **Development of Travel Medicine in Chinese Taipei**

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Trade and Travel Impacts of Infectious Diseases  
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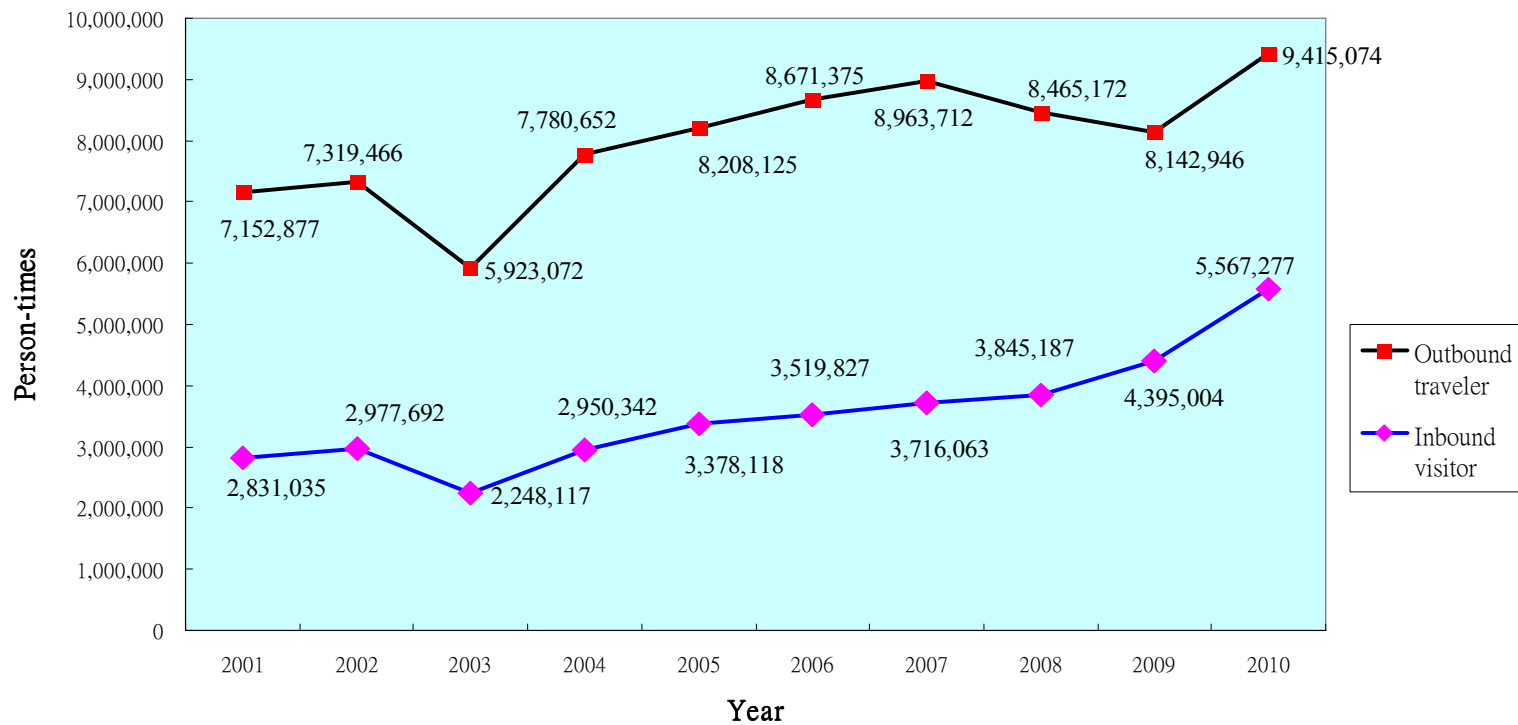


# Outline

- **Background**
  - **Outbound travelers & Inbound visitors**
  - **Imported infectious diseases**
  - **Condition of fever screen**
- **Training Center for Travel Medicine**
- **Travel Medicine Training Programs**
- **The duty of tour guides**
- **Accomplishments**
- **Future prospects**



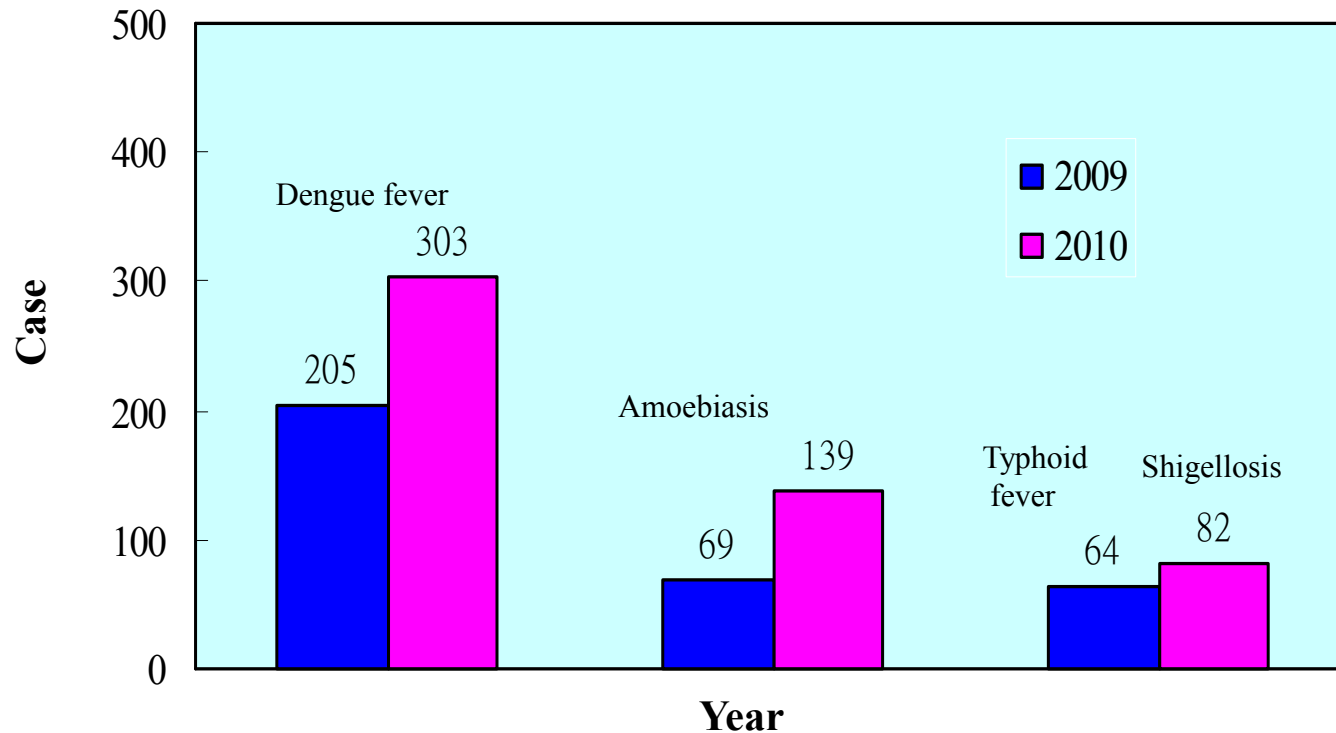
# The annual number of outbound travelers & inbound visitors



\*The main purpose for outbound travel trips – sightseeing, recreation and vacation (61.1%), followed by business (24%), in 2010.



# Imported infectious diseases



1. Cumulative cases: 2009:544  
2010:655

2. Top 3 countries:2009 Indonesia (217), Vietnam (83), China (35)  
2010 Indonesia (271), Vietnam (82), Philippines (58)



## Lessons learnt from the pass

### ■ Pandemic Preparedness Plan (Outline of Strategies )

#### ● Four Major Strategies

#### ● Five Lines of Defense

##### A. First Line of Defense – Containment Abroad

- ✓ Offer health information to travelers
- ✓ Update the international epidemic situations
- ✓ Provide travel alerts

##### B. Second Line of Defense – Border Control

- ✓ Entry screening
  - Reinforcing quarantine inspection at port for inbound traveler
  - Flight deferral, Flight cancellation
- ✓ Onboard quarantine inspection
- ✓ Exit screening
  - Departure Screening
  - Travel restriction

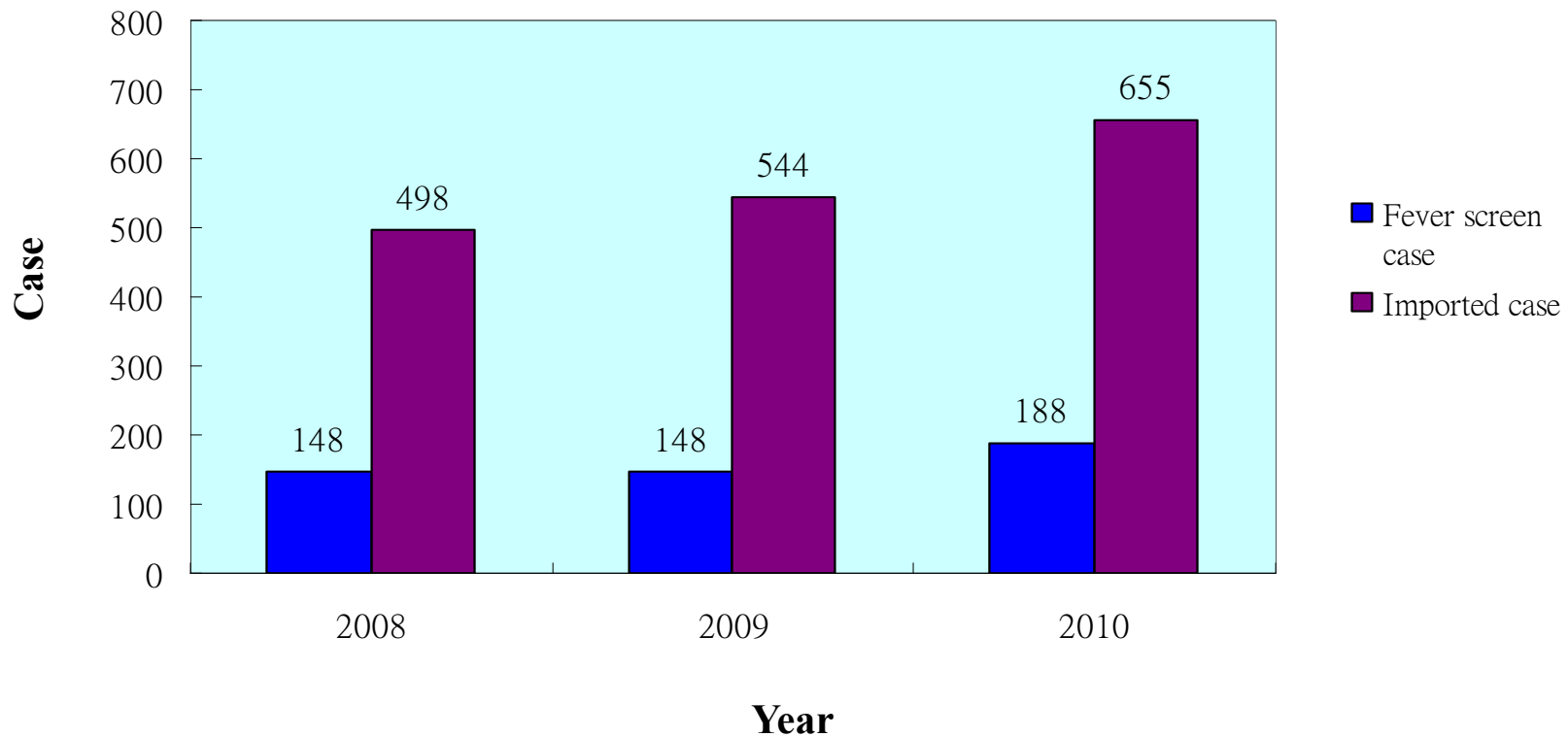
##### C. Third Line of Defense – Community Epidemic Control

##### D. Fourth Line of Defense – Maintaining Medical System Functions

##### E. Fifth Line of Defense – Individual and Family Protection



## Condition of fever screen



\* 2010, the imported infectious cumulative cases were 655  
case detected by fever screen cases were 188



# Training Center for Travel Medicine



- Co-founded by CDC and National Taiwan University Hospital in Chinese Taipei launched on January 25, 2008.



## Services of the Training Center

- Offer geographically-specific information on preventable diseases to travelers
- Provide training in clinical practice and decision-making skills to medical personnel
- The main services are as following
  - **Pre-travel health education**
    - individualized consultation, group travelers
    - the latest information from WHO, US CDC
  - **Recommendations for international preventive vaccinations and prophylaxis**
    - yellow fever, malaria
  - **Pre-travel consultation & health education**
    - offers other travel-related health consultation services
  - **Establishment of a domestic travel medicine outpatient demonstration center**





# Travel Medicine Training Program

- **In order to enforce the Training center function CDC, Tourism Bureau, and the Training Center in Chinese Taipei for Travel Medicine**
  - **had been cooperated in the Travel Medicine Training Program, since 2008**
- **The Training Center for Travel Medicine's goals**
  - Providing integrated international travel health consultation
  - Tracking the health of travelers after return
  - Conducting travel medicine training and research
  - Training travel medicine instructors
  - Providing in-service training in travel medicine to domestic doctors
  - Enlarging the health education for tour guides and group travelers



## The duty of tour guides

- **2009 and 2010, the types of outbound travel arrangement by travel agency- about 88%**

- **Tour guides are urged to**

- 1. Pre-travel**

- remind precaution, risk awareness
- help outbound travelers to receive pre-travel health consultation and medical care

- 2. During-travel**

- keep an eye on the health of their tour group members
- assist a tour group member in seeking medical attention when the member falls sick

- 3. Post-travel**

- report unusual health condition to **the quarantine officer** upon returning to Chinese Taipei
- provide travelers list if necessary



# The “Travelers' Health” webpage set up in 2008



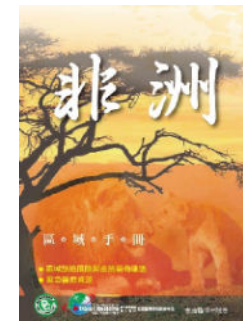
<http://www.cdc.gov.tw>

## Includes :

1. International outbreaks
2. Travel health information, health advices, and information for specific groups
3. Vaccines, vaccination sites, and prophylactic drugs
4. Statistics on imported cases



5. Related links to local and international websites concerning travel health and travel medicine
6. **Online-Learning website course**
7. Health education pamphlets
  - Clinical guide to Travel Medicine, Shelf-Health Pack--

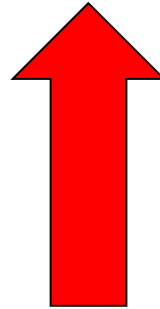


■ **Hotline 1922**

The **toll-free** Communicable Disease Reporting and Consultation Hotline



## Prevent imported infectious diseases



### Outbound travelers

#### CDC

##### 1. Cooperate with

- (1) Tourism Bureau
- (2) Training center
- (3) 12 Hospital

##### 2. Travelers Health webpage

##### 3. 1922

##### 4. Fever screening

#### Travel Medicine

##### 1. Travel clinics

##### 2. Pre-travel consultation

##### 3. Health education

##### 4. Tracking health of travelers after return

##### 5. Symposium

#### Tour Guide

##### 1. Pre-travel

##### 2. During - travel

##### 3. Post-travel

### Inbound visitors



## Accomplishments\_1

- CDC has signed contracts with **12 different hospitals from 2008 to 2011**, which have agreed to offer **outpatient services in travel medicine to the public**
- **To ensure the health of the people**
  - has also adopted a more aggressive and proactive approach to **promote travel health**
  - has been **conducting travel medicine training sessions** for people working in both tourism and health care



## Accomplishments\_2

### ■ Travel medicine training sessions for tour guides and medical care personnel Training, 2008-2010

Year		2008	2009	2010	Total
Medical care personnel	Sessions	6	6	22	34
	No. of attendants	429	1,435	1,369	3,233
Tour guide	Sessions	0	1	7	8
	No. of attendants	0	233	1,148	1,381

- 42 Sessions,
- 4,614 No. of attendants



## Accomplishments\_3

- **2009–2010, before traveling abroad outpatient services in travel medicine**  
**Totally, 17,386 person-times**

<b>Year</b>	<b>Person-times</b>
2009	8,206
2010	9,180





## Future prospects

- **Continue Travel Medicine Training Programs**
  - \*Southeast Asia countries
- **Promoting further development of travel medicine research**
- **Strongly cooperate with the Tourism Bureau , Training center and 12 contracted hospitals**
- **Certification for tour guides**
- **Increasing contracted hospitals offer more services for travel medicine**
- **Closely cooperate with the APEC Asia-Pacific Economics**



**Thanks for your attention**