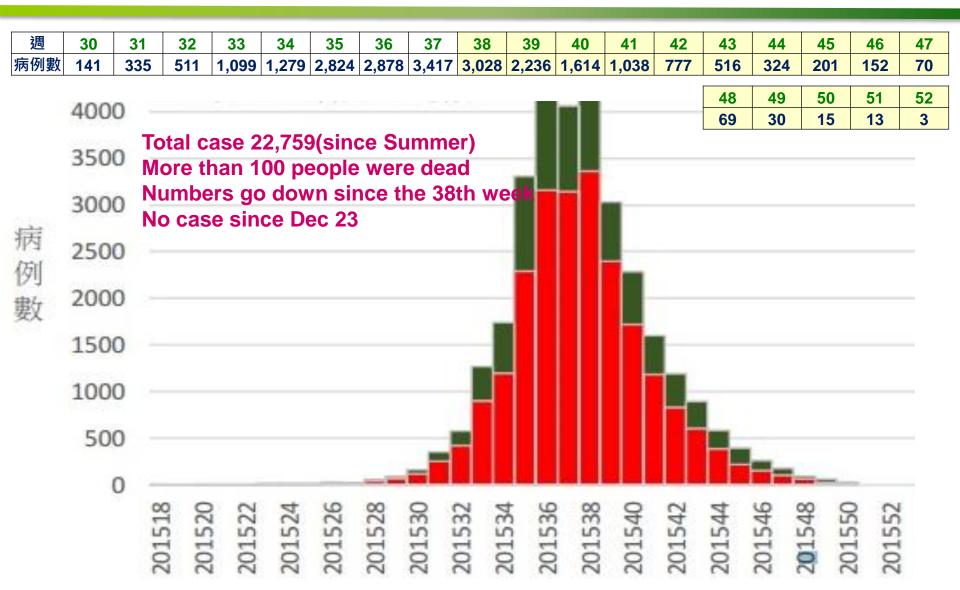


Turning A Nearly Mission Impossible into a Resilient Campaign: Tainan City's Fight Against Dengue

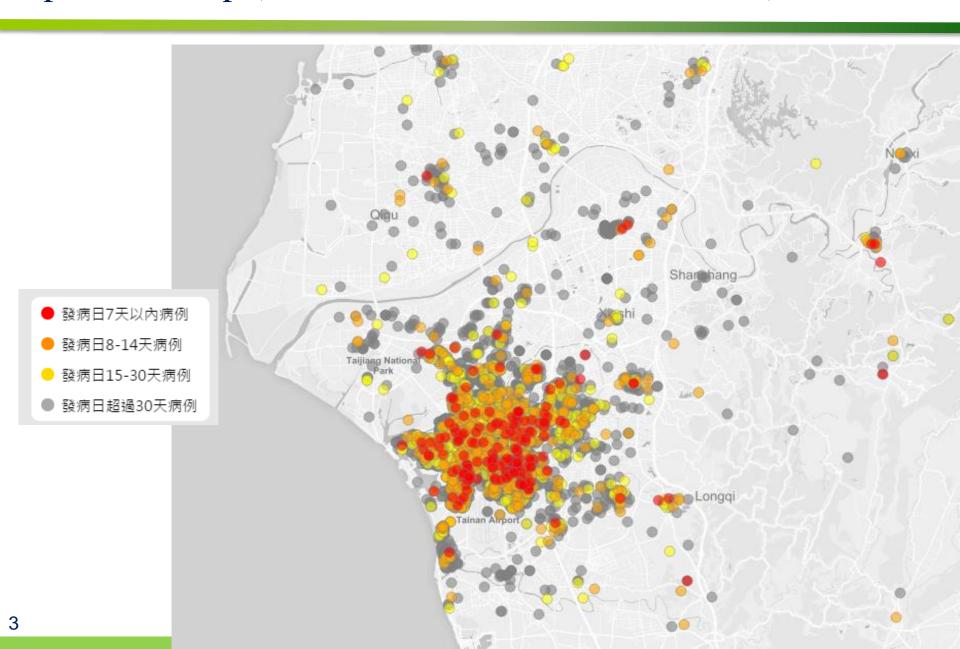


How Serious was the Dengue Epidemics in Tainan in 2015?





Epidemic Map (hot zones, warm zone, alert zones)

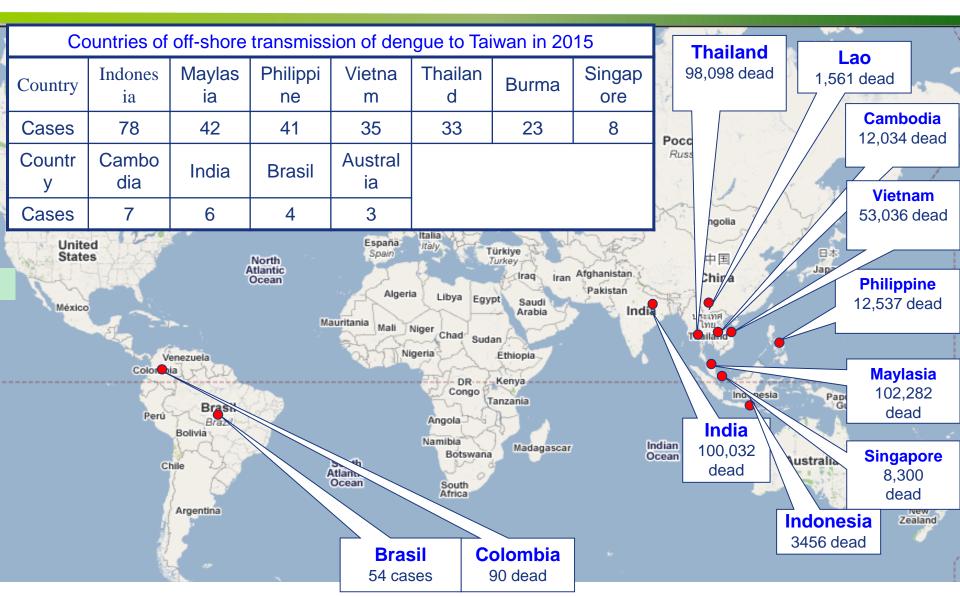


What causes the outbreak of dengue in Tainan?

- El Nino and global warming (the strongest in the last 18 years)
- Draught in Spring (save too much still water)
- Rain seasons in Summer
- 2 major typhoons in August and September
- Off-shore transmission of a new type of mosquito virus
- Underestimation of the effect (no major outbreak from 2011 to 2014)



An Epidemic spreads beyond national boundry





Preparatory stage: inter-agency meetings, community mobilization, drain and open land investigations and environment cleaning

Open land





Market corners



Wasted military compound









Education, training and reminder











District-by-district evaluation





Mayor Lai Ching-te held town-hall meetings in 37 districts

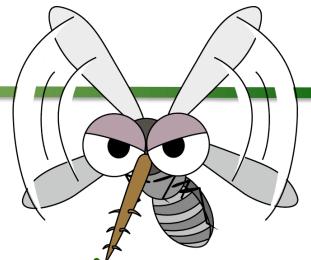












After the outbreak became more serious, additional works have been done.





Chemical prevention and bug spray

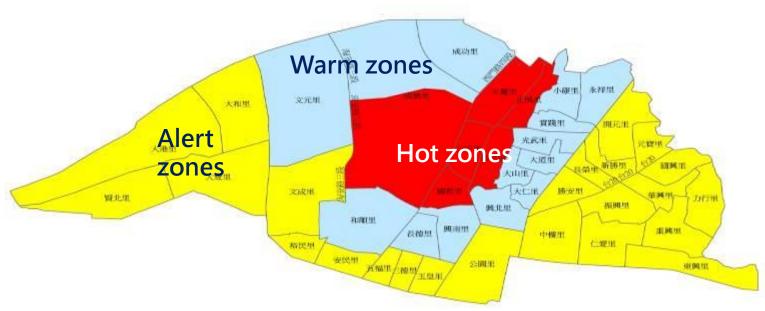








Building the "fire walls" and blocking the contagion









Command Center established by the Cabinet in mid-Sep

- Inter-agency coordination led by Vice Premier
- More resources, equipments and professionals are allocated to
 Tainan
- Cooperation with Tainan CityCommand Center
- A successful central-local governments cooperation to tackle dengue fever





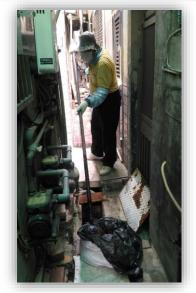


Community mobilized for a "Bug-buster" campaign







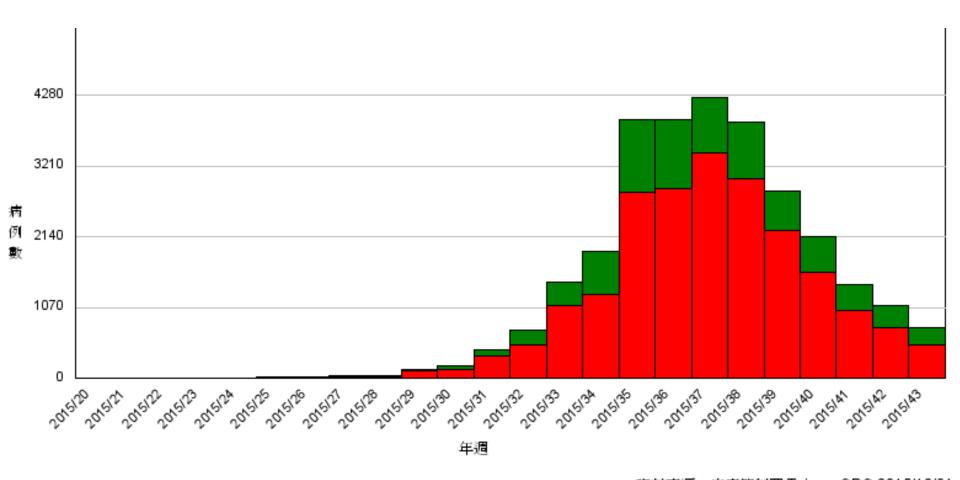






After the crisis management, the number went down sharply since October (the 40th week)

週	30	31	32	33	34	35	36	37	38	39	40	41	42	43
病例數	141	335	511	1,099	1,279	2,824	2,878	3,417	3,028	2,236	1,614	1,038	777	516



資料來源:疾病管制署 Taiwan CDC 2015/12/01



Relentless and resilient efforts to eliminate mosquito larvae

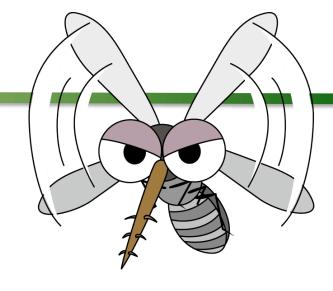
A bottom-up mobilization led by village heads and volunteers



By Dist	By village	Houshold
East Dist	36	60,450
North Dist	20	28,681
South Dist	16	24,173
Yonkan Dist	15	39,967
Midwest	12	11,289
Anpin Dist	6	12,180
Annan Dist	6	7,762
Total	111	184,502







Incorporation of Big Data and Open Data





Open Government and Open Data



最新消息

讀取更多...

臺南市各區里防災地圖

提供臺南市各區里防災疏散路線、地點及緊急聯絡資訊 (http://data.tainan.gov...

登革熱資料專區

有關本市104年登革熱疫情相關資料可至本平台登革熱專區擷取使 用。(登革執疫情專區...

臺南市政府資料開放平台 統計資訊

473 1882 27

個資料集 筆資料 個組織

10 15

個群組 個創新應用

最新資料集

104年登革熱病媒蚊密度調查

本資料集提供本市各區登革執病媒致密度調查明細

CSV

熱門資料集

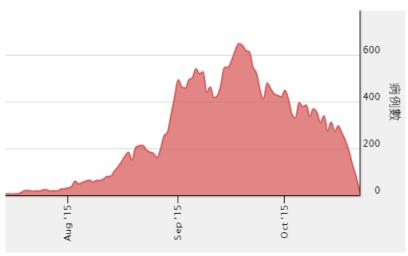
臺南市104年登革熱噴藥場次

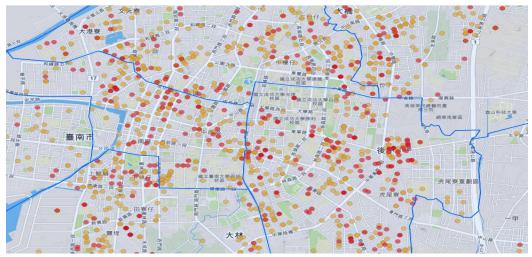
本資料集提供事南市各區登革執暗藥防治紀錄

CSV

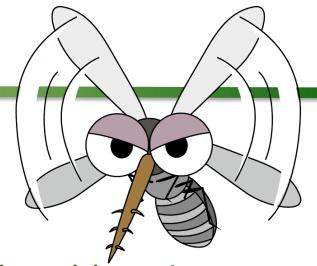


Scientific analyses for strategy adjustment









For the sake of saving lives and protecting citizens' health:

- 1. Promulgation, rapid detention test and medical diversification
- 2. CDC provided free test for elder people
- 3. Tainan City worked with regional hospitals for medical diversification and transfer arrangements
- 4. Special medical team for dengue patients



Medical diversification system in the great Tainan area



Policy communication and persuasion





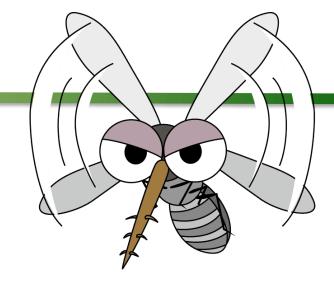
Zero tolerance for environment that breeds mosquito











Lessons learned and policy goals for 2016

- 1. lower the number of cases
- 2. combination of top-down policy instruction and bottom-up community works
- 3. enforcing neighborhood watch and household cleaning
- 4. compulsory cleaning and chemical prevention
- 5. Systemic establishment of command centers
- 6. immediate hospitalization, diagnosis and reporting
- 7. medical and hospital diversification
- 8. the use of open data as monitoring and supporting system

