# Vpon

# ee through Big Data

The user behavior change under Covid-19 big incidents

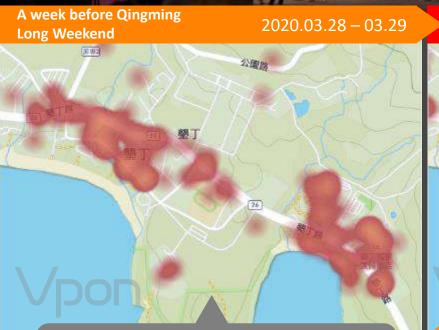
# Tourists Are Back at 11 Tourist Districts during Qingming Long Weekend?!

Unveiling Digital Footprints and Traffic Changes at Kenting Street and Hualien Night Market

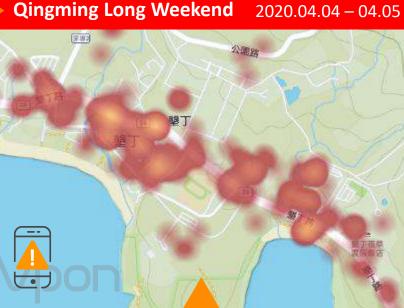
警訊通知 (疫情警示]清明達假至 人溜擴雲觀光景點, 空內至少保持1.5公尺 及室外1公尺以上距 雜,否則調戴口罩, 並勤洗手。身體不透 請戴口罩立即就整; 如有任何問題請打 1022,疫情振躍由外

based on online popularity, including discussions and relevant news reports

## Kenting Street Heatmap on Travellers' Footprints



There was considerable number of travellers before Qingming long weekend



Travellers boosts during Qingming long weekend. There was an increase of 70 thousand travellers at Kenting in just three days. The heatmap shows a boost in visitor traffic while the National Health Command Center has issued a national warning A great decrease in number of travellers after the national warning was issued

A week after Qingming Long

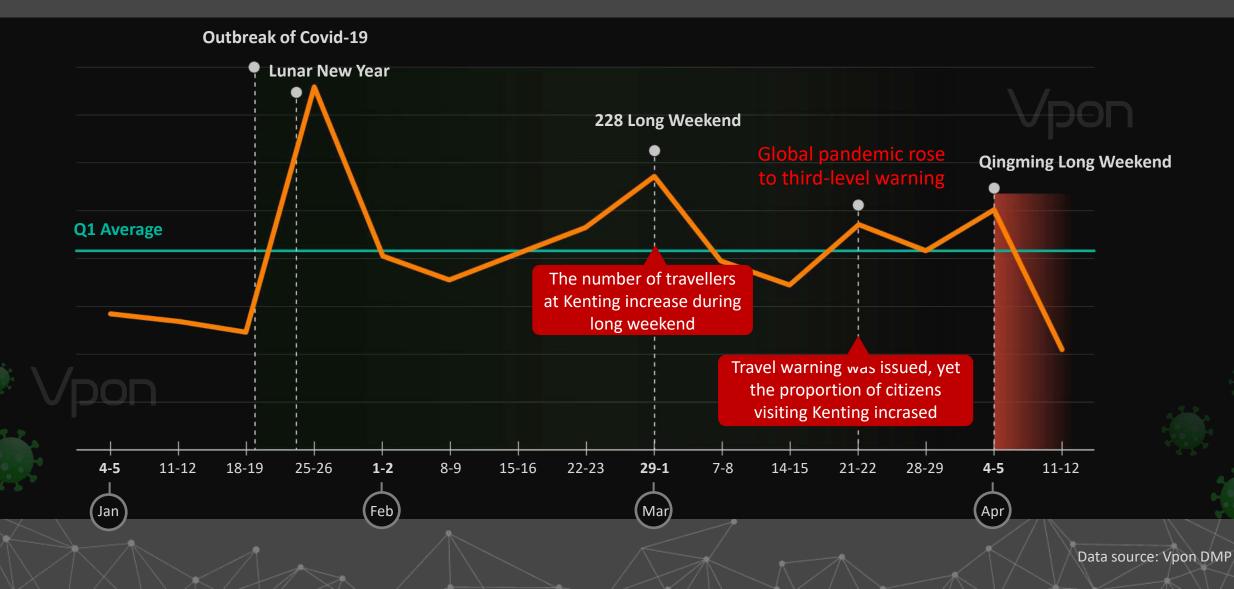
医毒素

Data source: Vpon DMP

### **Kenting Street**



#### Trend of Weekend Traffic since the Outbreak of Covid-19



### **Kenting Street**

## Which Province did Travellers Come From during Qingming Long Weekend?

(Digital Footprints)

Travellers' Ranking by Province

- 1<sup>st</sup> Taipei city
- 2<sup>nd</sup> Kaohsiung city
- 3<sup>rd</sup> Taichung city
- 4<sup>th</sup> Tainan city
- 5<sup>th</sup> Xinbei city

 Taipei **21**% Xinbei **10**% Taichung **15**%  $m{4}$  Tainan  $m{13}_{\%}$ Kaohsiung **20**%

Kenting

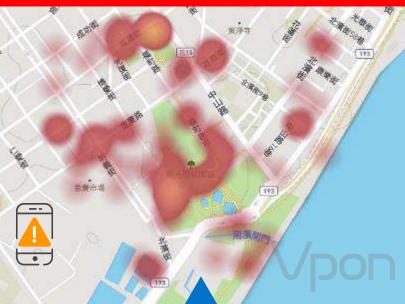


/DON

## Hualien Dongdamen Night Market Heatmap on Travellers' Footprints



There was considerable number of travellers before Qingming long weekend



2020.04.04 - 04.05

**Qingming Long Weekend** 

The growth of the number of travellers remains steady compared to previous week

A week after Qingming Long Weekend

2020.04.11 - 04.12

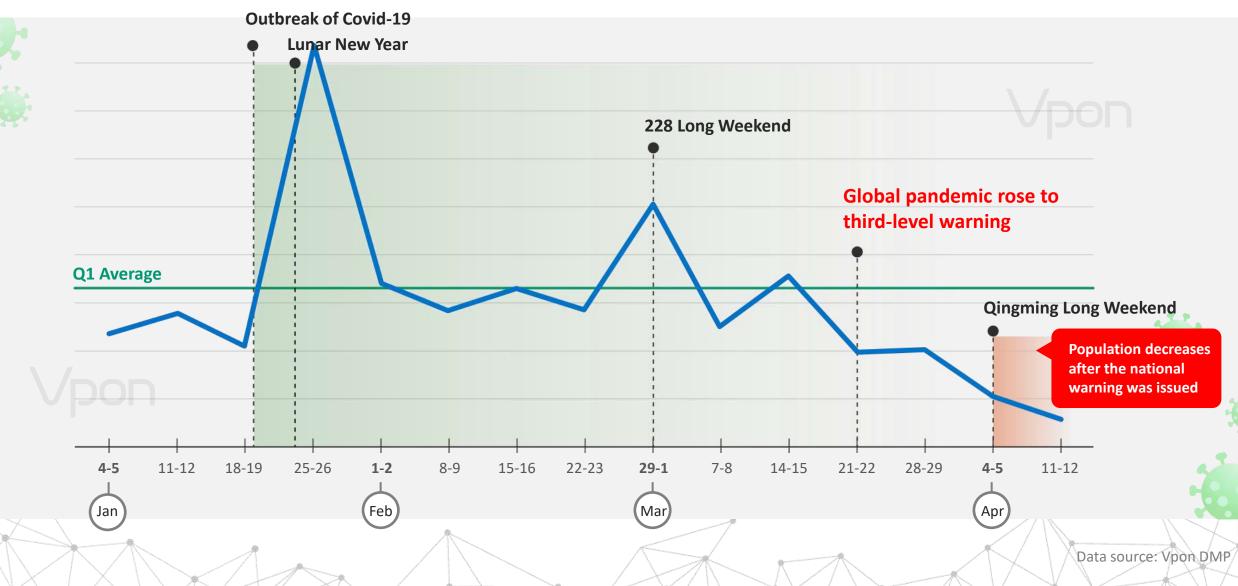


Businesses at Night Market was severely affected by the pandemic

Data source: Vpon DMP

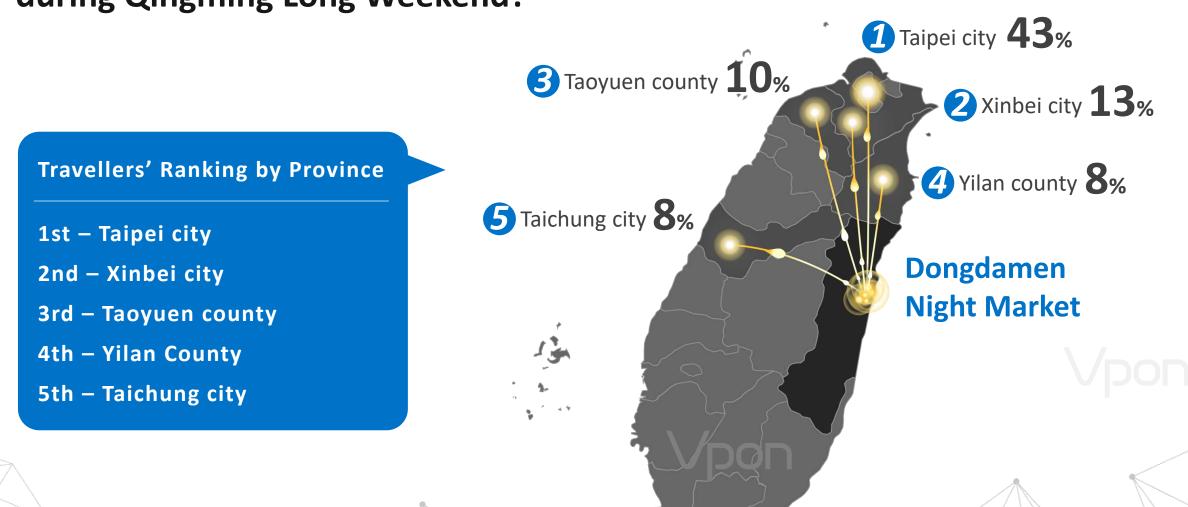
#### Hualien Dongdamen Night Market

#### Trend of Weekend Traffic since the Outbreak of Covid-19



Hualien Dongdamen Night Market

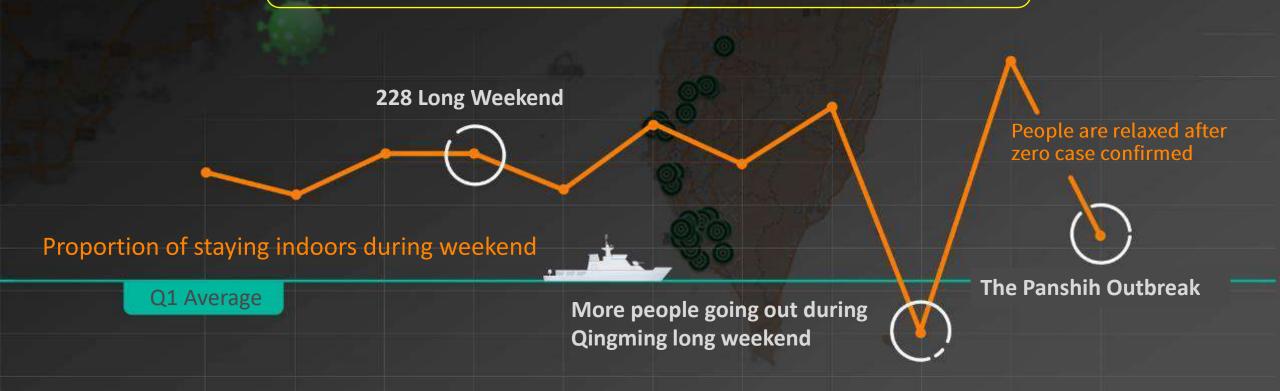
# Which Province did Travellers Come From during Qingming Long Weekend?





# With Zero Confirmed Case, Can We Lift the Coronavirus Pandemic Restrictions?

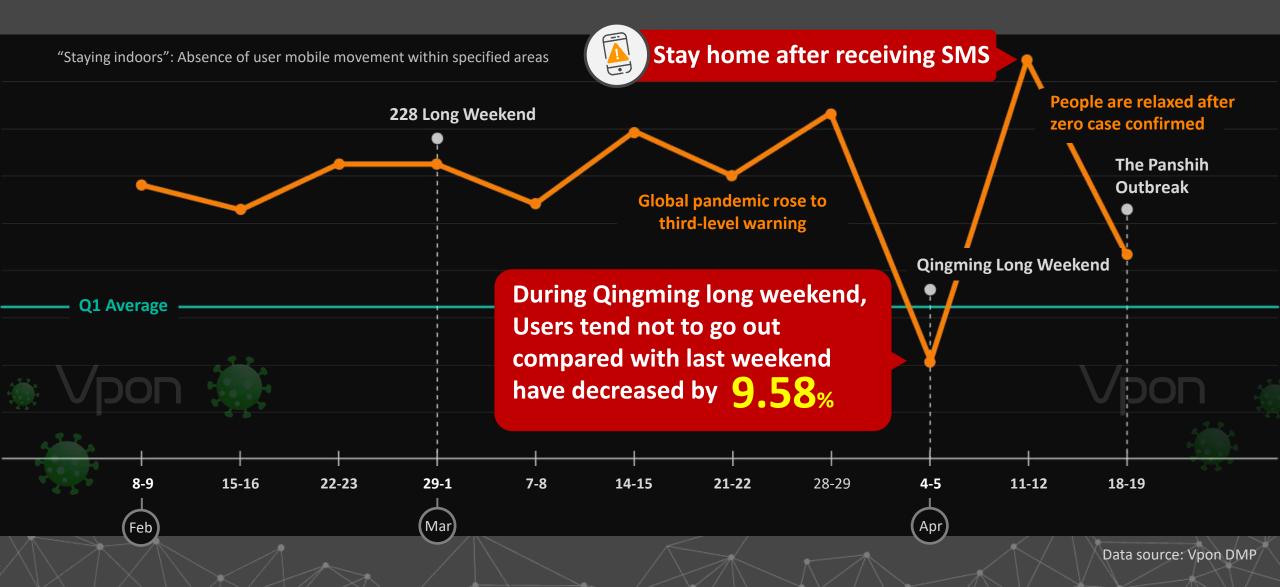
Data Insight on Kaohsiung under the Panshih outbreak



Has the restrictions been lifted?

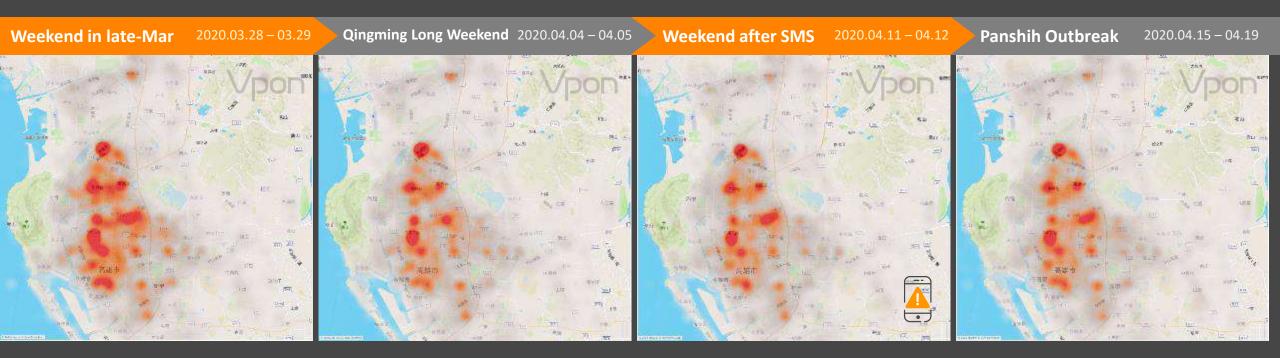


#### Taiwan - Graph of Users Staying Indoors during Weekends





### Kaohsiung- Heatmap on Digital Footprint Variation during Weekend



Kaohsiung weekend in March The footprints show a stable crowd concentration Footprints start moving outward at Qingming long weekend Crowds are less concentrated Crowds are further less concentrated after receiving the SMS warning 9 confirmed cases at Panshih Kaohsiung traffic is less crowded **Under the Panshih Outbreak** 

## Kaohsiung - Where did the Travellers come from? (Digital footprints at 4/15-18)

Kaohsiung had 9 new confirmed cases during this period, whereas travellers from Taipei and Xinbei had the highest percentage in mobility. It is advised that northern part should do a better job in self-preventive measures

3 Tainan 7%

Kaohsiung

**4** Taichung **6**%

<u>1</u> Taipei **36**%

5 Pingtung 4%

**Travellers Ranking by Province** 

2 Xinbei 36%

1<sup>st</sup> - Taipei 2<sup>nd</sup> – Xinbei 3<sup>rd</sup> - Tainan 4<sup>th</sup> - Taichung 5<sup>th</sup> - Pingtung DOL

# Vpon Big Data Data Source (Taiwan)



\*Reachable unique devices per day

MAU 23M

\*Reachable unique device per month





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