

# CITIES on the FRONTLINE

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## Coronavirus Speaker Series:

Sharing Knowledge to Respond with Resilience



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## #7: Learning from Singapore

Thursday, 23 April, 2020

08.30 AM EST – 08.30 PM Singapore time

## “Singapore: Strategies, Successes and Struggles”

Assoc Professor Jeremy LIM

Co-Director, Global Health

Saw Swee Hock School of Public Health

National University of Singapore

[ephlfyj@nus.edu.sg](mailto:ephlfyj@nus.edu.sg)

Member, Panel of Experts, Centre for Liveable Cities, Singapore



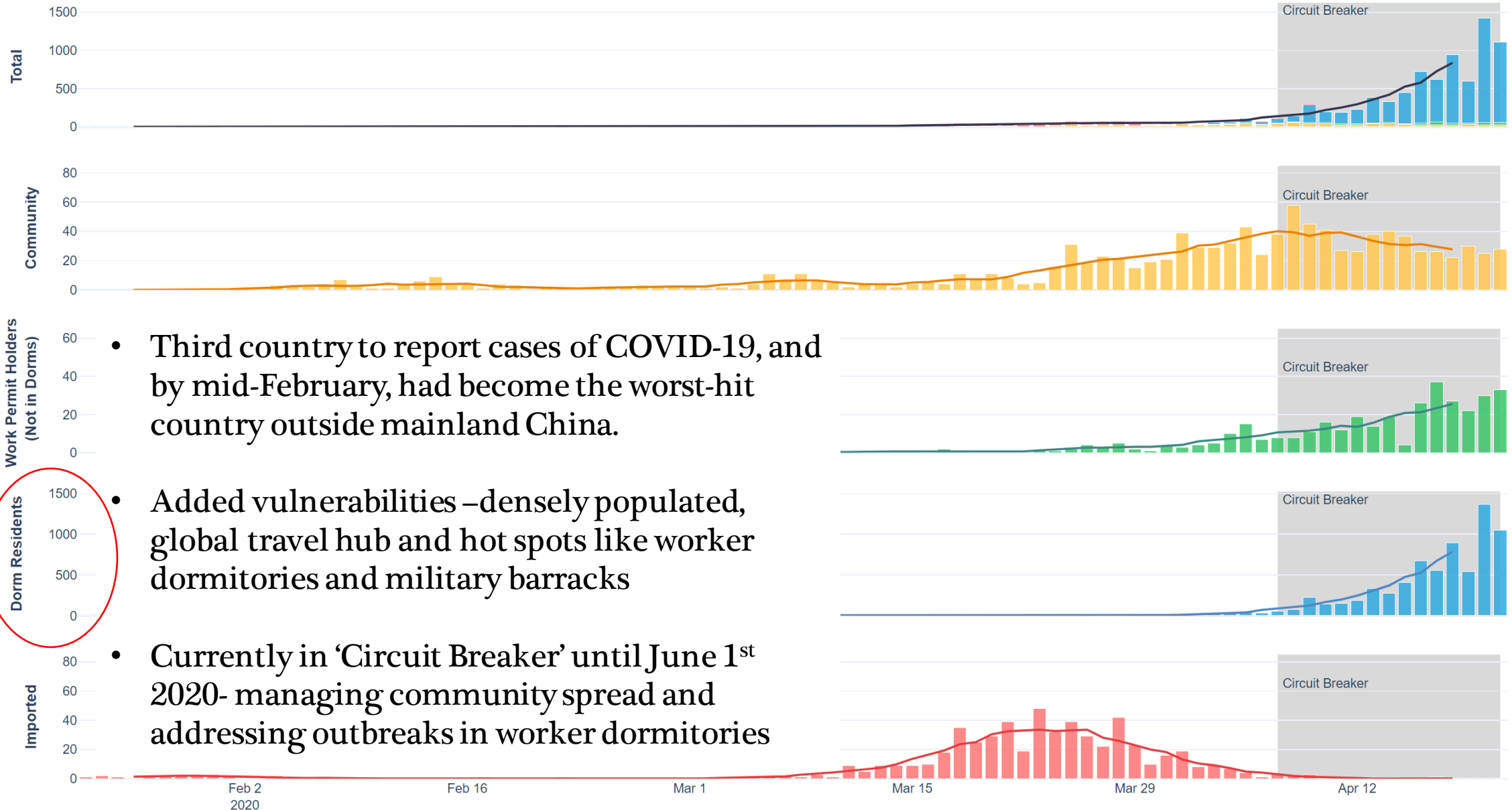
## Singapore: quick stats

- City-state in Southeast Asia, 5.6 million population, 719.9 sq km land area
- Population Density 7,804 per sq km; 90% live in high-rise buildings (80% public, 10% private)
- Ruled by the same political party since 1959
- Digital hub: high degree of technological sophistication and e-commerce in Singapore
- Severely affected by the 2003 SARS epidemic



## Daily New Cases

Broken down into Community, Dorm Residents, Work Permit holders not residing in Dorms, Imported Cases





# Singapore's approach to COVID-19

*Enable essential services to continue; as normal/ tolerable lifestyle as much as possible for as long as possible*

- Calibrated series of social distancing and control measures that could be progressively ramped up; Accompanied by social 'nudges', public pressure and appeals; enforcement including changes to legislative framework
- Ramp up healthcare capacity progressively
- Change of clinical management and public health strategy as new knowledge emerges and new realities recognized





## 'First Wave' of cases

Keeping life as 'normal' as possible

- Services and amenities open as long as possible
- Maintaining relationships and emotional contact

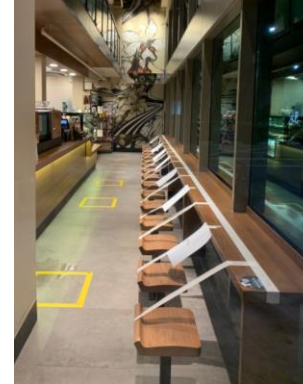


CHANNELNEWSASIA.COM

COVID-19: Family members with loved ones in nursing homes endure time apart



# Circuit Breaker Period (Until June 1<sup>st</sup> 2020)



Break the chain of transmission

Offices- Work from Home  
Schools- Home-Based Learning

Financial support for individuals and businesses

BUT still very tough for everyone economically and emotionally; risk of lockdown fatigue





## Ramping up healthcare capacity progressively

- Primary treatment center: NCID, but limited capacity
- Recovering patients are transferred to private hospitals/ repurposed accommodation facilities
- Isolating returning Singaporeans in designated hotels



# Foreign Worker Dormitory Outbreak

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## COVID-19: CASES AT DORMITORIES, CONSTRUCTION SITES AND OTHER LINKED CLUSTERS

Confirmed cases: 5,894  
Total cases in Singapore: 9,125

Isolation area

As of Apr 21

Latest news: [cna.asia/covid19](https://cna.asia/covid19)

**Tuas View Dormitory**  
519 confirmed cases ▲ 59

**Tech Park Crescent Dormitory**  
51 confirmed cases

**Tuas South dormitory**  
72 confirmed cases ▲ 24

**CDPL Tuas Dormitory**  
39 confirmed cases ▲ 14

**10 Kian Teck Crescent Dormitory**  
6 confirmed cases

**Jurong Apartments**  
8 confirmed cases ▲ 5

**Westlite Toh Guan Dormitory**  
152 confirmed cases ▲ 6

**Kian Teck Dormitory**  
10 confirmed cases ▲ 1

**Cassia @ Penjuru**  
29 confirmed cases

**Jurong Penjuru dormitory**  
121 confirmed cases ▲ 47

**Acacia Lodge**  
90 confirmed cases ▲ 2

**Toh Guan Dormitory**  
104 confirmed cases ▲ 4

**Avery Lodge dormitory**  
25 confirmed cases

**NUH renovation site**  
28 confirmed cases

**Mustafa Centre\***  
97 confirmed cases

**Kenyon/UBS construction site**  
37 confirmed cases

**Project Glory construction site**  
77 confirmed cases

**Shaw Lodge**  
59 confirmed cases ▲ 2

**The Leo dormitory**  
24 confirmed cases

**Homestay Lodge**  
45 confirmed cases ▲ 8

**Citiwall**  
17 confirmed cases ▲ 3

**Tampines Dormitory**  
82 confirmed cases ▲ 4

**The Jovell construction site**  
13 confirmed cases ● NEW

**PPT Lodge 1A**  
88 confirmed cases

**S11 Dormitory @ Punggol**  
2,143 confirmed cases ▲ 166

**Woodlands Lodge II**  
15 confirmed cases ▲ 4

**36 Woodlands Industrial Park E1**  
32 confirmed cases

**Westlite Woodlands**  
19 confirmed cases ▲ 1

**SJ Dormitory**  
46 confirmed cases ▲ 16

**Kranji Lodge I**  
150 confirmed cases ▲ 29

**Kranji Dormitory**  
20 confirmed cases

**Westlite Mandai**  
92 confirmed cases ▲ 18

**Mandai Lodge I**  
204 confirmed cases ▲ 15

**31 Sungei Kadut Avenue**  
175 confirmed cases ▲ 1

**55 Sungei Kadut Loop**  
7 confirmed cases

**Sungei Tengah Lodge**  
629 confirmed cases ▲ 89

**Cochrane Lodge II**  
112 confirmed cases ▲ 23

**Changi L**  
182 confi



Data: Ministry of Health. Map © OpenStreetMap contributors, © MapTiler, © CARTO



## Coronavirus: Healthy workers to be moved to army camps, floating hotels



About 1,300 workers will move into two Singapore Armed Forces camps from this week, said the Ministry of Defence on Facebook last night. PHOTO: MINDEF

🕒 PUBLISHED APR 10, 2020, 5:00 AM SGT



Lim Min Zhang



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By Chew Hui Min

11 Apr 2020 03:48PM  
(Updated: 11 Apr 2020 05:17PM)



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## HDB contractors to temporarily house migrant workers at unused car parks, void decks



Screenshots from a video showing migrant workers living at a car park.

## Mobilizing additional housing at short notice

- Government-led effort
- Minimal infrastructure work as far as possible for speed and costs
- Use of all government resources
- Commercially viable terms as far as possible



## Concluding remarks

- The struggle against COVID-19 is a collective societal effort; SARS provided some relevant experience
- Multi-pronged approach balancing public health interventions with economic rescue packages and societal functioning
- Surge capacity critical to plan for; creativity needed to solve problems as they arise
- COVID-19 is a ‘new war’ and new solutions are being discovered in real-time by experience and learning from others
- ‘Third battlefield’- worker dormitories “cognitive blind spot”





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