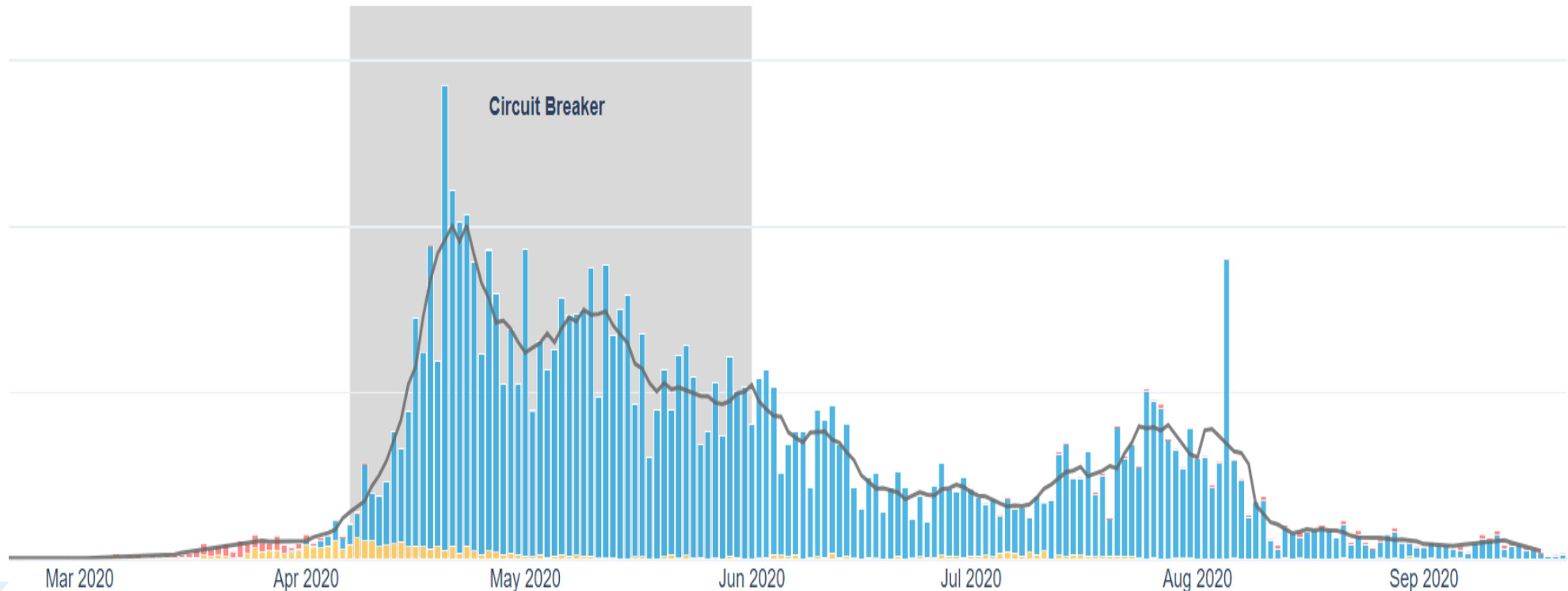# Managing COVID-19 in Singapore

Prepared by the Civil Aviation Authority of Singapore

For ARISE Plus: 5th Passenger Protection Workshop on Health Protection

22 September 2020

Public health measures to mitigate risk of transmission

- Not to pose risk to travelling public, and the local and global community

- Repeated waves of infection will dampen recovery efforts

Circuit Breaker

Mar 2020   Apr 2020   May 2020   Jun 2020   Jul 2020   Aug 2020   Sep 2020

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Working with the public health agencies

Aircraft
Mask?
Segregation?

Air Crew
Quarantine?
Testing?

Airport
Temperature screening?
Post-arrival testing?

Air Travel
Lift border controls?
With testing?
With quarantine?

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Making decisions based on facts

- COVID-19 transmission is mainly through respiratory droplets or fomite

- Incubation period; infectious period; asymptomatic infection
  - Temperature screening and testing alone not adequate

- Low risk of in-flight transmission

- Adopt risk-based approach
  - Multi-layered strategy
  - Measures calibrated based on risk differential
  - Recovered persons

- Managing risk not at individual but at system level ("Risk Budget")

Protection Measures Logic Matrix (Example)

Measures	Protect crew	Protect passenger	Protect airport worker
Crew wears mask, face covering	≈	✓	✓
Crew wears face shield	✓	-	-
Crew wears gloves during food prep and serving	-	✓	-
Crew wears gloves during cleaning, collection of service items	-	-	-
Crew wears coverall/suit (when handling symptomatic passengers)	✓	-	-
Passenger wears mask, face covering	✓	≈	✓
Passenger wears face shield (not practical)	-	✓	-
Airport worker wears mask, face covering	✓	✓	≈
Airport worker wears face shield	-	-	✓
Airport worker wears gloves	-	-	-
Hand hygiene, Respiratory hygiene	✓	✓	✓
Physical distancing (ex-cabin in flight)	✓	✓	✓
Sanitation of high-touch surface	✓	✓	✓

Supporting international efforts

- ICAO Council Aviation Recovery Task Force (CART)

- APAC COVID-19 Contingency Recovery Planning Group (ACCRPG)

- Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA)

- Regional forums (e.g. ARISE Plus)

Working together to revive air travel

- Nexus between testing, quarantine and risk

- Managing recovered travellers (more than 20m now and growing)
  - Current evidence shows that people who have recovered from COVID-19 continue to shed viral fragments despite no longer being infectious.
  - Big problem if this segment of travellers cannot fly

- Ensuring safe recovery of air travel
  - Rusty crew, rusty aircraft

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Thank you