

Lessons Learned: A Global Perspective



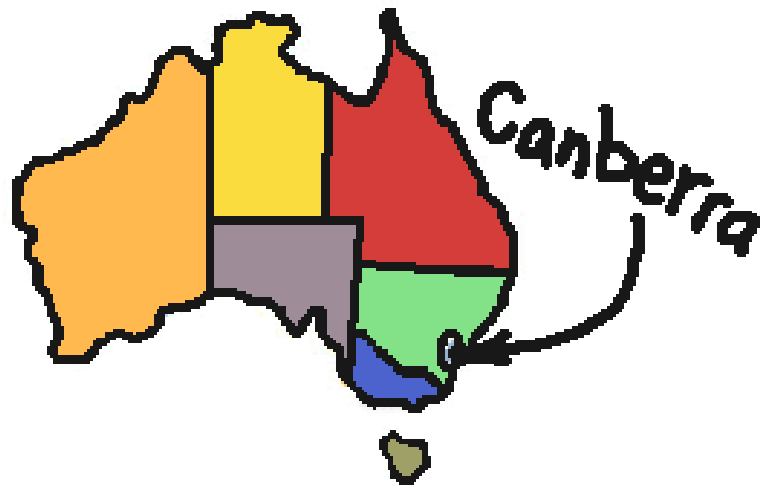
The Australian Experience

Professor Imogen Mitchell, Clinical Director, ACT COVID-19 Response

Intensive Care Specialist, Canberra Health Services; ANU Medical School

Outline

- Australian context
- “Timeline” of events
- Governance of COVID-19 pandemic
- Breaches
 - hotel quarantine
 - aged care
- Vaccinations
- Lessons learned



LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

Australian Healthcare System

Federal Government: Department of Health

- Major role in national policy making
- Funds:
 - ✓ Medicare (National health insurance scheme)
 - ✓ Pharmaceutical benefits
 - ✓ Public hospitals
 - ✓ Population health schemes
 - ✓ Aged Care
 - ✓ Indigenous Health
 - ✓ GP Immunisation Scheme
 - ✓ Rural Retention Program

State Governments: State/Territory Health Departments

- Administer public hospitals
- Deliver public health services

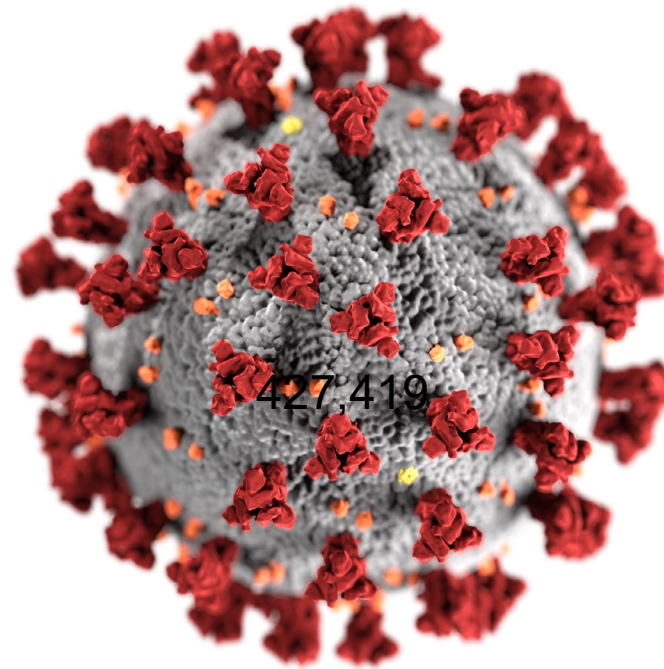
Primary Health Care

- General Practice Surgeries
 - Vary in size, 8% GPs employed under contract with private agencies
 - Operate as a private business
 - Fee for Service (bulk bill charging Medicare benefits schedule/charge over MBS)
- Rural Health Clinics/Community Health Clinics
- 44 600 GPs (112 FTE/100 000 population but areas of significant need)

Hospital Based Care

	Public	Private
Hospitals	753	657
Beds	58 420	34 339
Separations	6.7 M	4.5 M
Resourced companies	Fed/States/Private	Independent/International
Specialists	Salaried/Contracted	Contracted
Type of Care	42% emergency	94% planned

Public health system relies on the private health system to ensure adequate delivery of health care



427,419

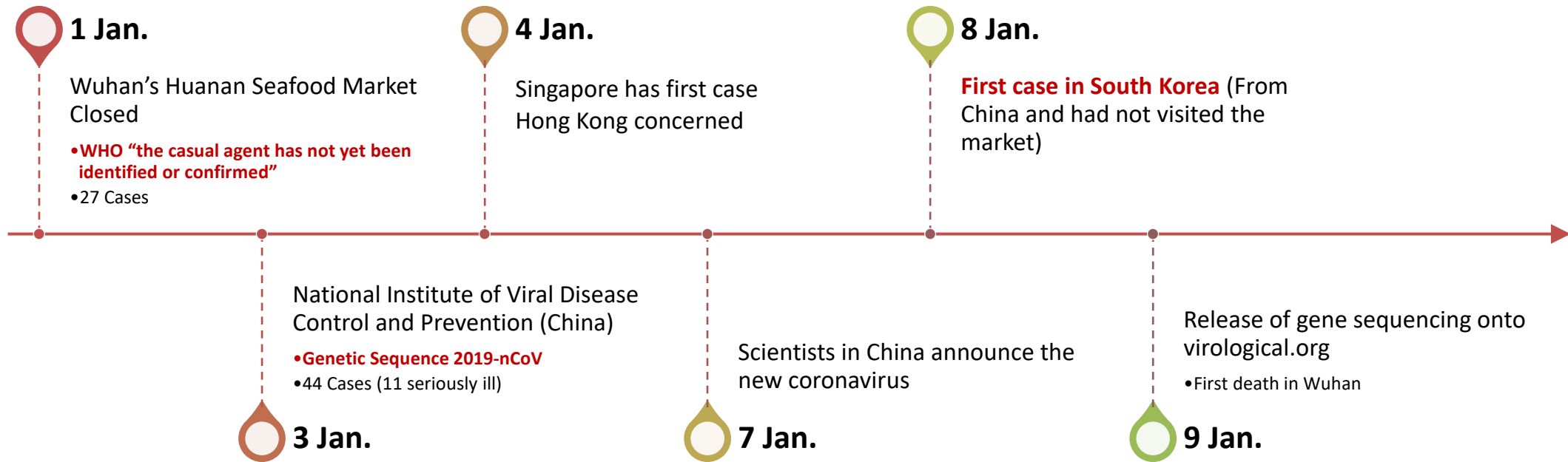
25,713,700

LESSONS LEARNED: A GLOBAL PERSPECTIVE

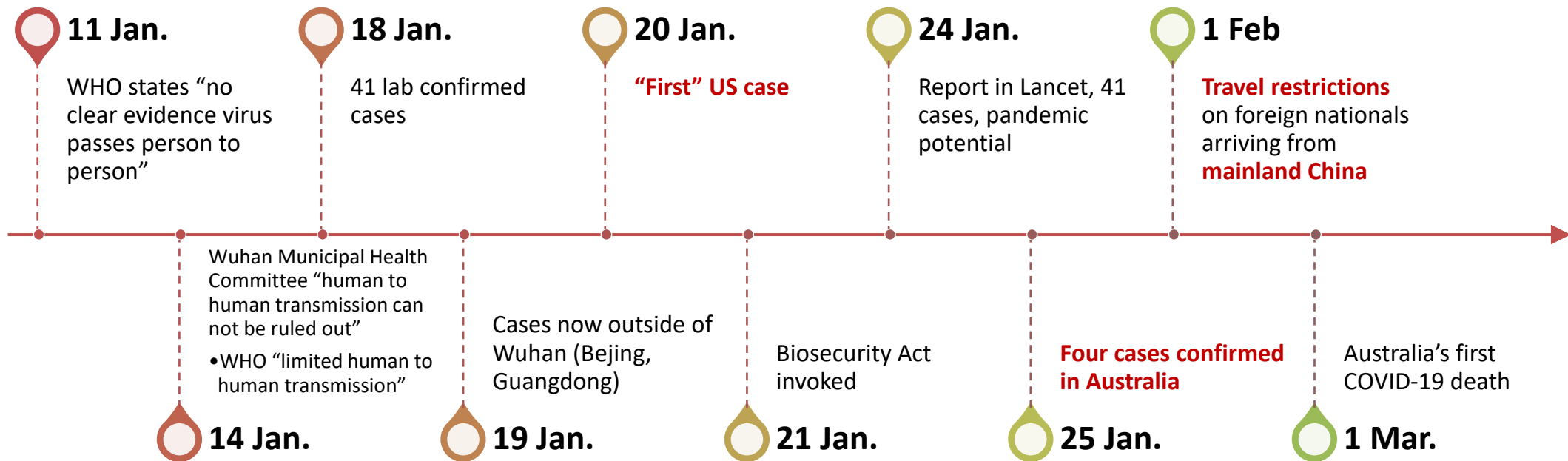
COVID-19

Timeline

“Timeline” of Events

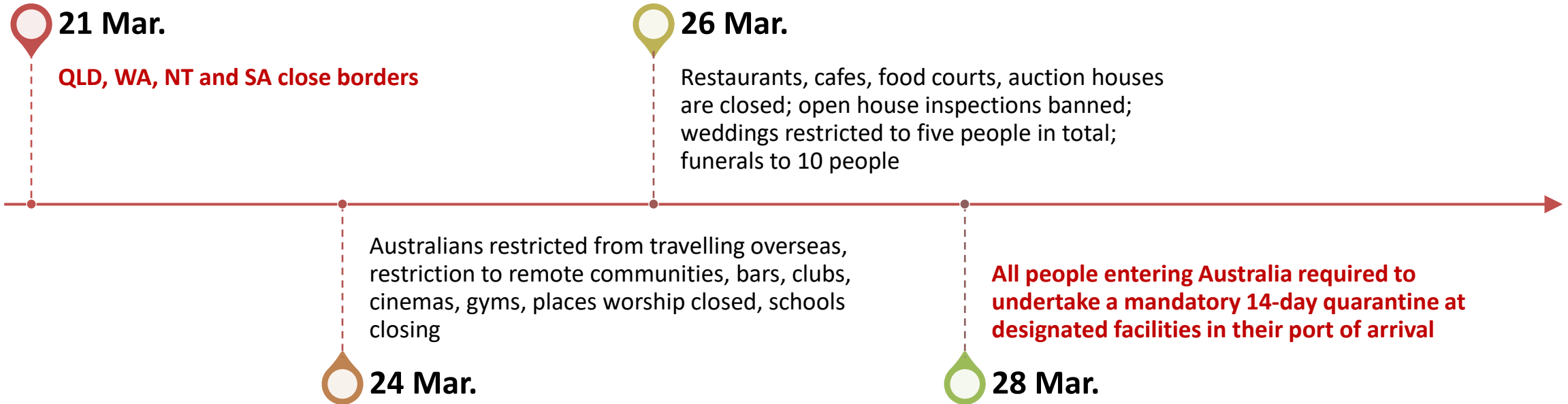


Timeline of Events

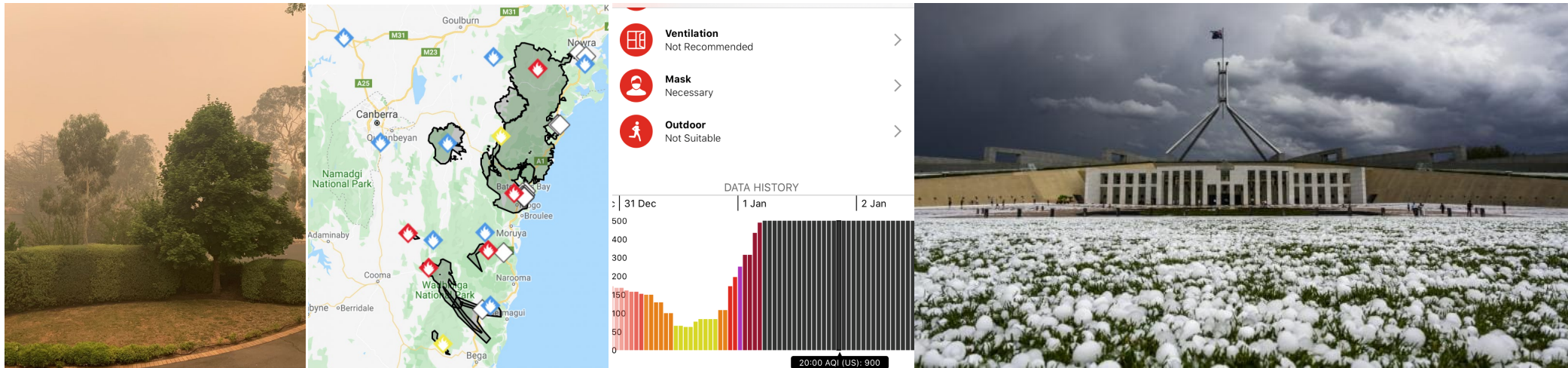


Timeline of Events





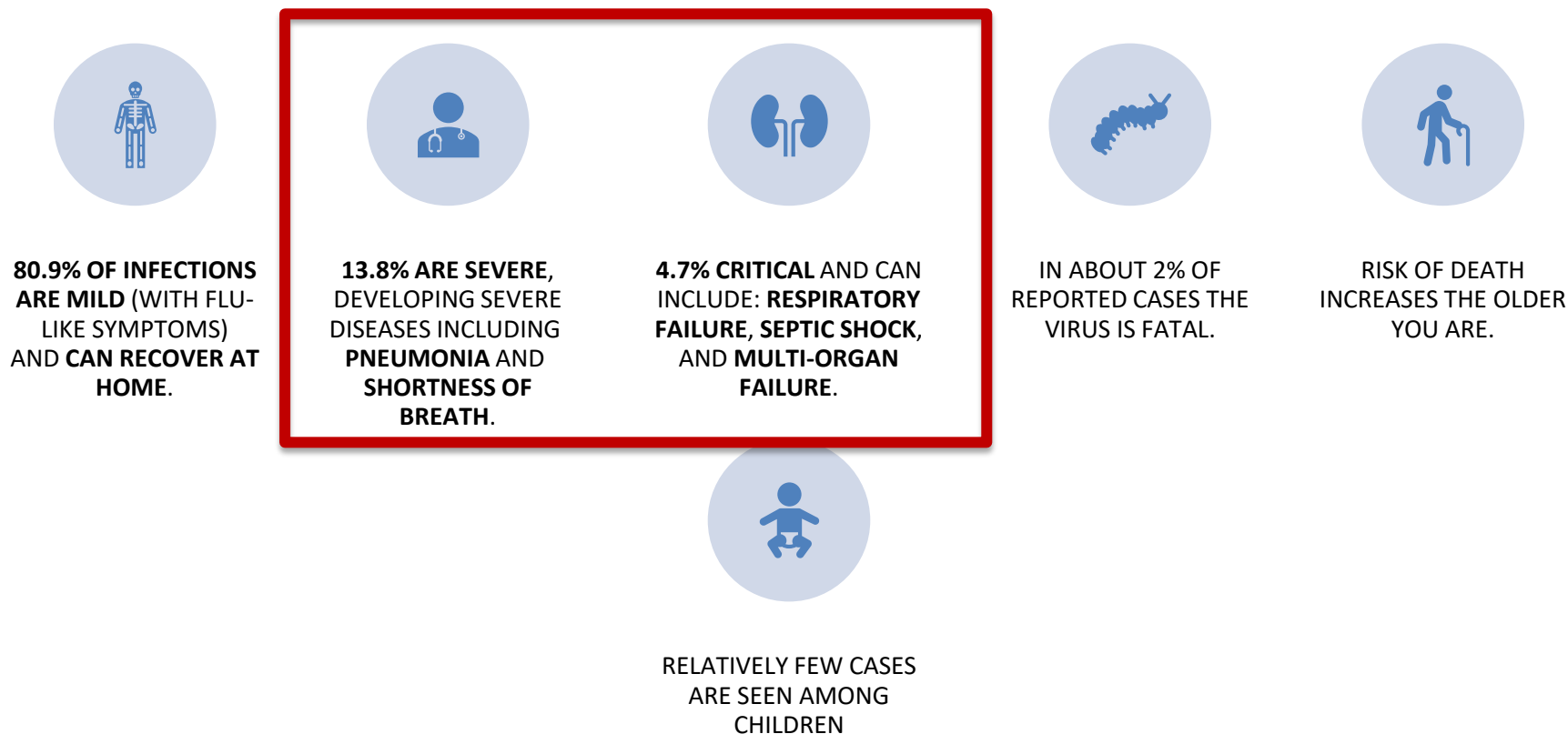
Bush Fires and Smoke, Canberra



LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

COVID-19 Outcomes



Coronavirus (COVID-19) in Australia

Data verified with reports from state and federal health departments. Each chart is timestamped at last update. [Support this site.](#)

Daily briefing



<https://www.covid19data.com.au/>

Governance

- **National Management**

- Formation of National Cabinet

- Advised by Australian Health Principal Protection Committee (AHPCC)

- Chair: Chief Medical Officer

- Members: 3 DCMOs, Jurisdictional Chief Health Officers

- COVID funding shared between Federal and Jurisdictional Governments

- **Jurisdictional Management**

- Declaration of health emergencies

- Health Emergency Coordination Centres (Public Health/Clinical)

- Public health units guided by AHPCC

- Acute care facilities planned for surge in patients

Jurisdictional Plans

- Public health strategies
 - Community movement/Aged care/Hotel quarantine/Home quarantine
- Guiding principles developed for hospitals
- Capacity plans for hospitals (infrastructure/logistics, workforce, financial support)
- Communication to staff/community



LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19



CURRENT STATUS OF CONFIRMED CASES

7,834

Total cases

104

Total deaths

7,037

Cases recovered

1

CURRENT CASES
INTENSIVE CARE UNITS (ICU)

ACT	NSW	NT	QLD	SA	TAS	VIC	WA
0	0	0	0	0	0	1	0

14

CURRENT CASES
ADMITTED TO HOSPITALS

ACT	NSW	NT	QLD	SA	TAS	VIC	WA
0	4	0	1	0	0	9	0

2,455,982

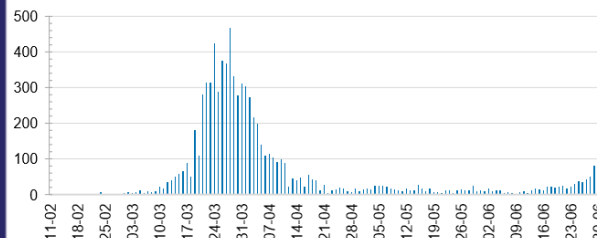
0.3% POSITIVE

TOTAL TESTS
CONDUCTED

ACT	NSW	NT	QLD
29,593	855,324	13,307	364,981
POSITIVE	POSITIVE	POSITIVE	POSITIVE
0.4%	0.4%	0.2%	0.3%
SA	TAS	VIC	WA
151,285	49,390	809,589	182,513
POSITIVE	POSITIVE	POSITIVE	POSITIVE
0.3%	0.5%	0.3%	0.3%

Last updated 30 June 2020

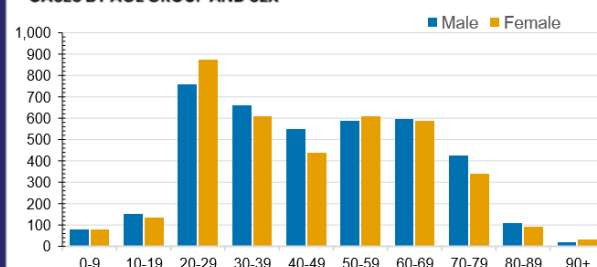
DAILY NUMBER OF REPORTED CASES



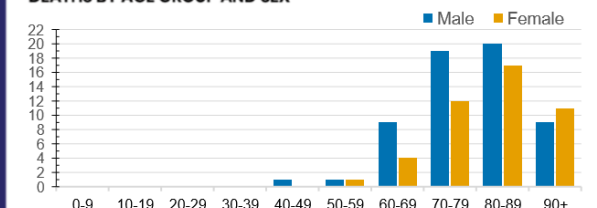
CASES IN AGED CARE SERVICES

Confirmed Cases	Australia	ACT	NSW	NT	QLD	SA	TAS	VIC	WA
Residential Care Recipients	71 [39] (30)	0	61 [33] (28)	0	1 (1)	0	1 (1)	8 [6]	0
In Home Care Recipients	31 [28] (3)	0	13 [13]	0	8 [8]	1 [1]	5 [3] (2)	3 [3]	1 (1)
Cases in care recipients [recovered] (deaths)									

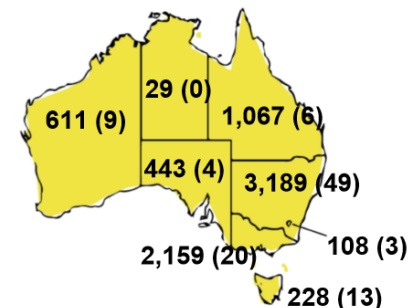
CASES BY AGE GROUP AND SEX



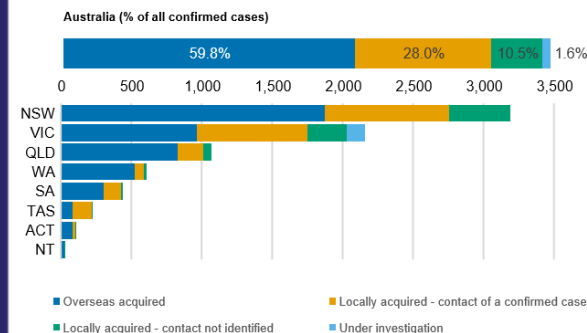
DEATHS BY AGE GROUP AND SEX



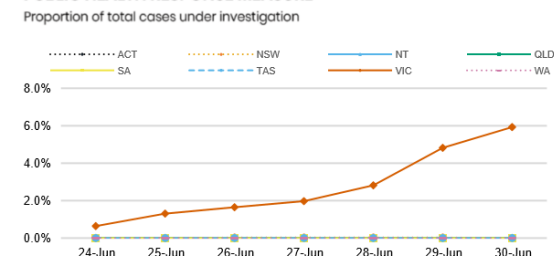
CASES (DEATHS) BY STATE AND TERRITORIES



CASES BY SOURCE OF INFECTION



PUBLIC HEALTH RESPONSE MEASURE



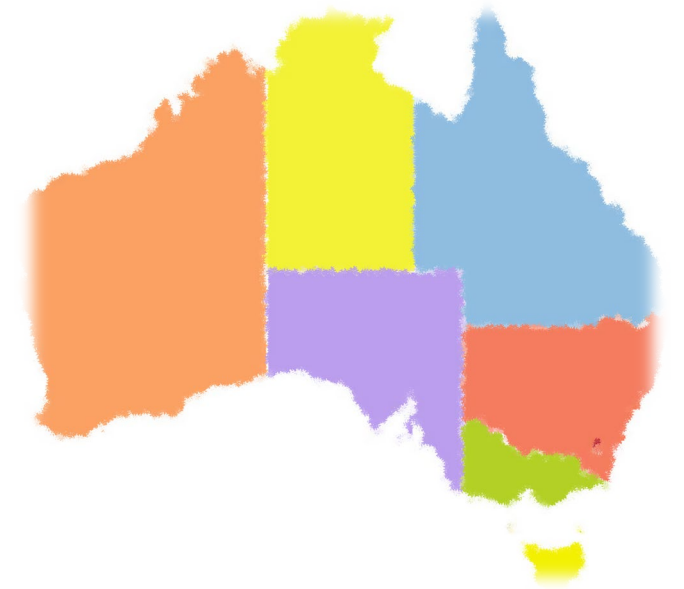
This infographic is updated every afternoon based on the data we receive by 3.00pm from states and territories

LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19



Breaches



LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

Quarantine

Quarantine

- Any returning traveller has to quarantine for 14 days
 - hotel/home
 - can not leave place of residence unless exempted to leave by public health
- Vast majority (over 0.5M) have returned through hotel quarantine
 - Sydney/Melbourne/Brisbane/Perth
- COVID testing
 - Residents: day 1 and 13
 - Staff: daily
- Limitations of movement of staff
- Continued variations in practice across Australia
 - Medi hotels/specific quarantine sites

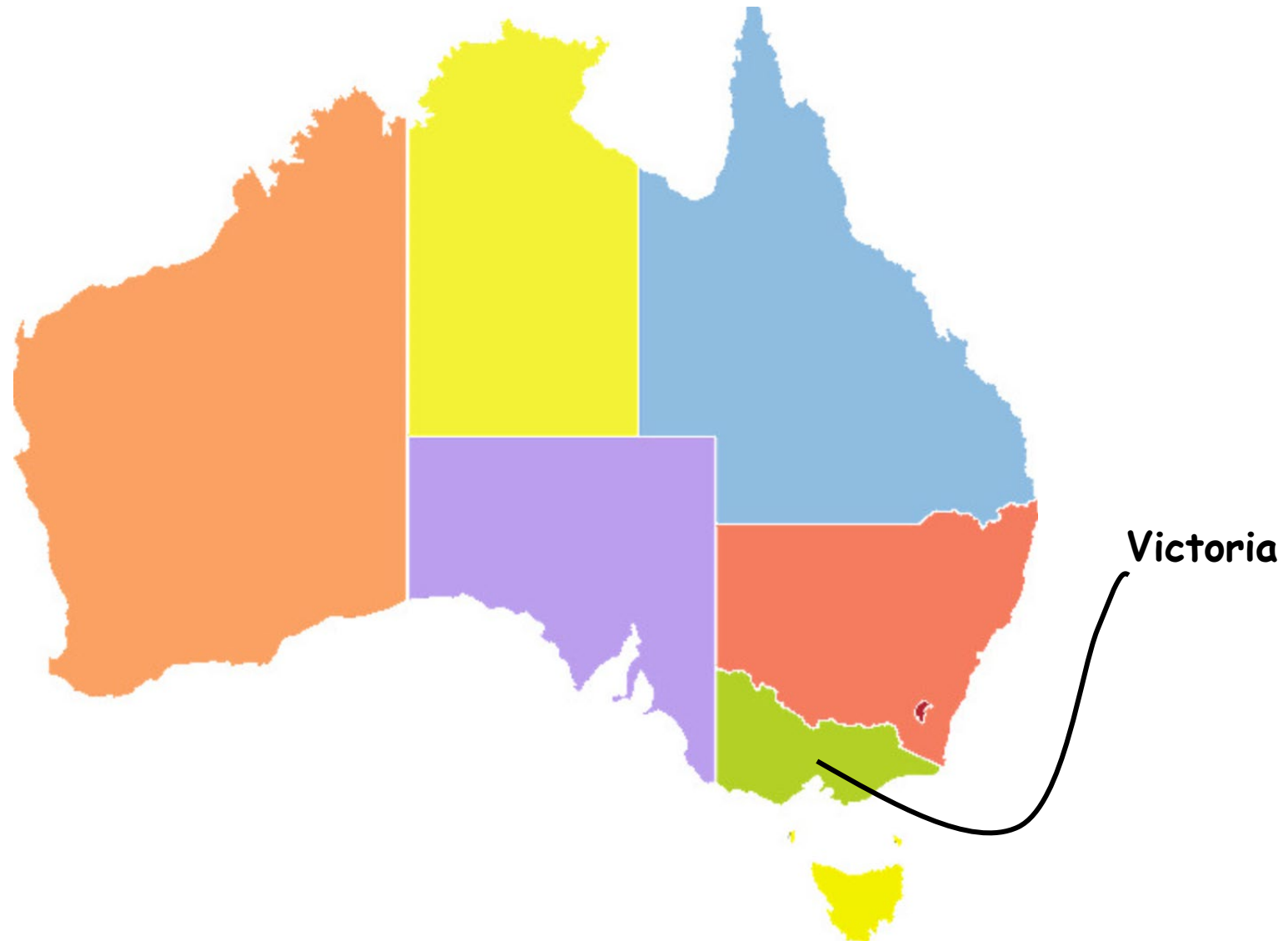
National Review of Hotel Quarantine

Recommendations

- Embed end to end assurance mechanisms
- Easy access to information for travellers to psychologically prepare themselves
- Timely access to decision making and pathways for escalation
- Options for new models of quarantine
 - consider a national facility for quarantine
- Consider exempting low risk travellers

National Review of
Hotel Quarantine





LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

Victoria: Timelines





LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

Aged Care

Residential Aged Care Facilities

- Not of profit, profit, government
- Regulated through Federal Aged Care Quality and Safety Commission
- 2 672 residential aged care facilities
- 200 000 Australians



Newmarch House
COVID-19 Outbreak
[April-June 2020]

Independent Review

Final Report

Key Learnings

Emergency response
and interagency
operations **lacked
clarity in relationships
and hierarchy**

Leadership and
management generally
invisible

Communication for
families major issue

**Staffing severely
depleted** and exceeded
contingencies

**Infection prevention
and control had
significant short
comings**

Medical care through
HITH but inadequate
staffing and support

Family concerns over
poor quality of care



Royal
Commission
into Aged
Care Quality
and Safety

Aged care and COVID-19: a special report

- The Australian Government report to Parliament no later than 1st December 2020 on implementation of recommendations
- Australian Government fund providers that apply for funding to ensure there are ***adequate staff to allow continued visits to people living in RACFs by family/friends***
- Australian Government create MBS item to ***increase allied health*** services to aged care in pandemic
- Australian Government establish a national aged care plan
- All RACFs have ***one or more IPC officers as condition of accreditation***
- Australian Government should arrange to deploy accredited IPC experts to RACFs to provide training and preparation for OMPs



CURRENT STATUS OF CONFIRMED CASES

30,137

Total cases

910

Total deaths

123

Active cases

0

CURRENT CASES
INTENSIVE CARE UNITS (ICU)

ACT	NSW	NT	QLD	SA	TAS	VIC	WA
0	0	0	0	0	0	0	0

20

CURRENT CASES
ADMITTED TO HOSPITALS

ACT	NSW	NT	QLD	SA	TAS	VIC	WA
0	3	2	12	0	0	3	0

18,643,613

0.2% POSITIVE

TOTAL TESTS
CONDUCTED

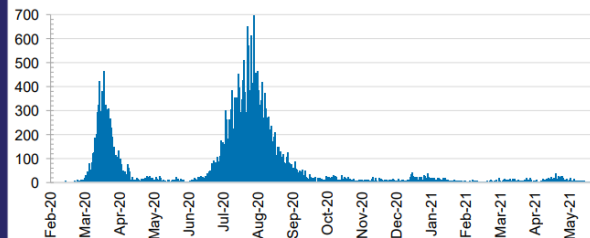
ACT	NSW	NT	QLD
216,006	6,122,545	211,026	2,623,951

POSITIVE	POSITIVE	POSITIVE	POSITIVE
0.1%	0.1%	0.1%	0.1%

SA	TAS	VIC	WA
1,405,415	235,435	6,623,872	1,205,363

POSITIVE	POSITIVE	POSITIVE	POSITIVE
0.1%	0.1%	0.3%	0.1%

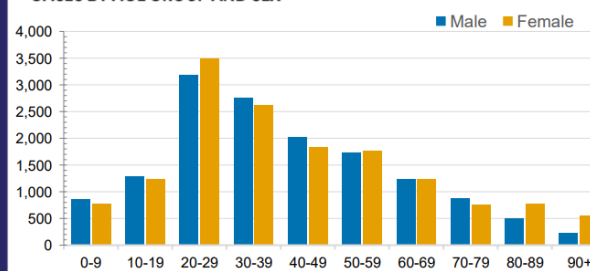
DAILY NUMBER OF REPORTED CASES



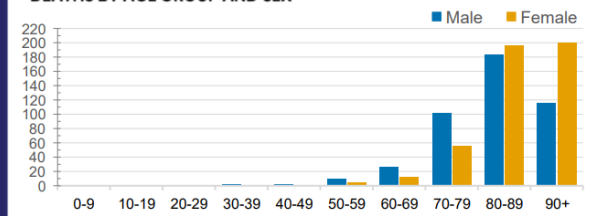
CASES IN AGED CARE SERVICES

Confirmed Cases	Australia	ACT	NSW	NT	QLD	SA	TAS	VIC	WA
Residential Care Recipients	2053 [1366] (685)	0	61 [33] (28)	0	1 (1)	0	1 (1)	1990 [1333] (655)	0
In Home Care Recipients	81 [73] (8)	0	13 [13] (0)	0	8 [8] (0)	1 [1] (0)	5 [3] (2)	53 [48] (5)	1 (1)
Cases in care recipients [recovered] (deaths)									

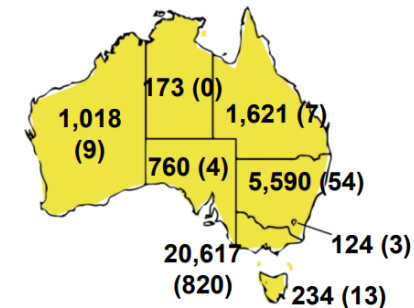
CASES BY AGE GROUP AND SEX



DEATHS BY AGE GROUP AND SEX

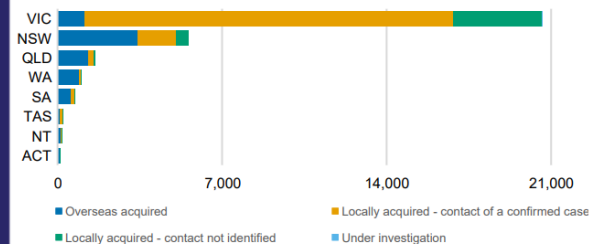


CASES (DEATHS) BY STATE AND TERRITORIES



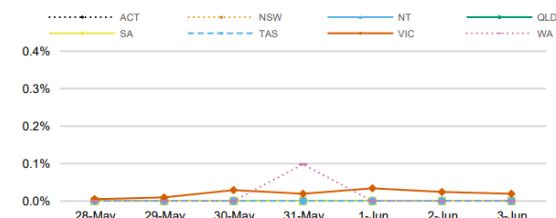
CASES BY SOURCE OF INFECTION

Australia (% of all confirmed cases)



PUBLIC HEALTH RESPONSE MEASURE

Proportion of total cases under investigation



Vaccinations

Data as at:
03 Jun 2021

Total vaccine doses



4,786,362

Total vaccine doses
administered as at 03 June

+143,659

Past 24 hours



Commonwealth vaccine doses

3,030,828

(+86,406 last 24 hours)



Commonwealth vaccine doses
in primary care

2,660,233

(+81,255 last 24 hours)



Commonwealth vaccine doses in
aged and disability facilities

370,595

(+5,151 last 24 hours)



1,755,534 (+57,253 past 24 hours)

Total vaccine doses administered in
State and Territory clinics as at 03 June

NSW

477,265

(+15,410 last
24 hours)

VIC

557,794

(+21,475 last
24 hours)

QLD

255,946

(+10,091 last
24 hours)

WA

183,397

(+3,962 last
24 hours)

TAS

71,622

(+0 last
24 hours)

SA

119,292

(+3,411 last
24 hours)

ACT

52,596

(+1,242 last
24 hours)

NT

37,622

(+1,662 last
24 hours)

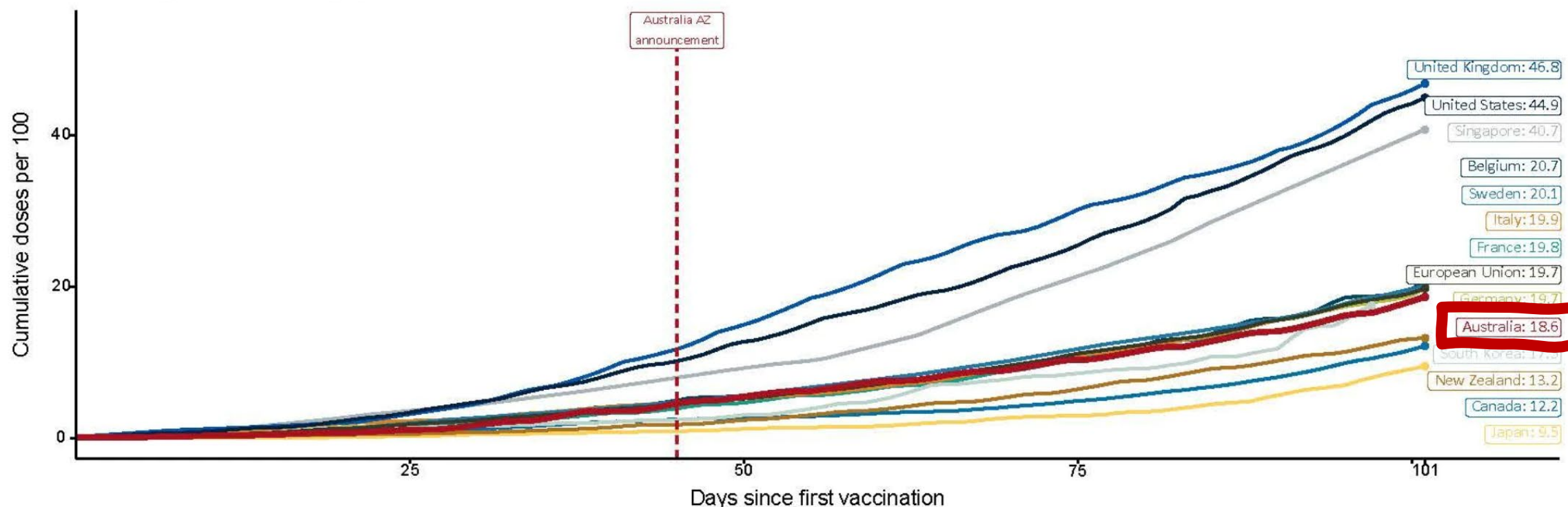
International comparisons at equivalent stages of rollout (Day 101)

Data as at:
03 Jun 2021

Australia's COVID-19
Vaccine Roadmap

Cumulative doses administered (03 Jun): 4,786,362

The x-axis is truncated at the length of Australia's vaccination program. Countries with intermittent reporting have had their doses per 100 imputed to Australia's current stage of rollout. Israel excluded as it is beyond scale of the graph.



Source: Department of Health (Australia), Our World in Data (international)
Latest data: 03 June

LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

Vaccinations

- No immediate burning platform
- Shared responsibility between federal and jurisdictional governments
 - Federal: Aged care/disability
 - Jurisdictional: Rest of population with guide for various phases
- Limited supply
 - On shore Astra Zeneca vaccine production
- Vaccine hesitancy
 - Vaccine induced immune thrombosis thrombocytopenia

Key Lessons

- Strong leadership
 - No tolerance for COVID surges/deaths
- Listening to the science
- Strong Public Health teams
 - decentralised, effective, adequately staffed
- Public health strategies demonstrated to work
 - closing the international borders, reducing indoor gatherings, COVID safe activities part of life (Apps for contact tracing)
- A sense of fear watching the rest of the world
- Data to support a hard and fast lock down was better for the economy



LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19



Questions