COVID-19 : the public health response

PROF JANAKI AMIN

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The WHO-endorsed WFPHA Charter for the Public's Health.
Information

NOT JUST NUMBERS – BUT NUMBERS MATTER

- $R_0$
- $R_E$
Advocacy

WHO’S MOST IN NEED
Capacity

WE CAN DO THIS!

• Impact on the health system
  – Flattening the curve
  – Long COVID
    – Delayed access to routine health
      ▪ Eg breast screen NSW suspended
      ▪ (working to resume services!!!)
      ▪ Excess all cause mortality
  – Incidental positives
    ▪ Other infectious diseases
    ▪ Systems changes
      • Taking health to the people
      • Home testing
      • Tele health
CURRENT STATUS OF CONFIRMED CASES

100,912 1,256 20,284
Total cases  Total deaths  Active cases

DAILY NUMBER OF REPORTED CASES

CASAS IN AGED CARE SERVICES

297
CURRENT CASES INTENSIVE CARE UNITS (ICU)
ACT NSW NT QLD SA TAS VIC WA
3 213 0 0 0 0 81 0

1,551
CURRENT CASES ADMITTED TO HOSPITALS

37,421,014
TOTAL TESTS CONDUCTED

0.3%

CASAS BY AGE GROUP AND SEX

DEATHS BY AGE GROUP AND SEX

PUBLIC HEALTH RESPONSE MEASURE

This infographic is updated every afternoon based on the data we receive by 3:00pm from states and territories.
The number of **people** that **one sick person** will infect (on average) is called $R_0$. Here are the maximum $R_0$ values for a few viruses.

![Diagram showing $R_0$ values for various diseases](https://www.npr.org/sections/goatsandsoda/2021/08/11/1026190062/covid-delta-variant-transmission-cdc-chickenpox)
NSW COVID-19
27 September 2021

Cases (5 day average)

Reff = 1

www.covid19data.com.au | Chart credit: Prof Adrian Esterman @profesterman
NSW Government Directory by department

There are 9 NSW Government departments. Each department houses individual agencies, offices and entities.

- Customer Service, NSW Department of
- Education, NSW Department of
- Communities and Justice, NSW Department of
- Health, NSW Ministry of
- Planning, Industry and Environment, NSW Department of
- Premier and Cabinet, NSW Department of
- The Treasury
- Transport for NSW
- Regional NSW, Department of
Modelled measures to flatten the curve*

*Not based on Australian case data.
All cause deaths

Figure 4.Notifications of laboratory-confirmed influenza, Australia, 01 January 2016 to 12 September 2021, by month and week of diagnosis.*

Source: NNDSS