

# COVID-19

18 August 2020

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HNE Population Health





### Global Cases

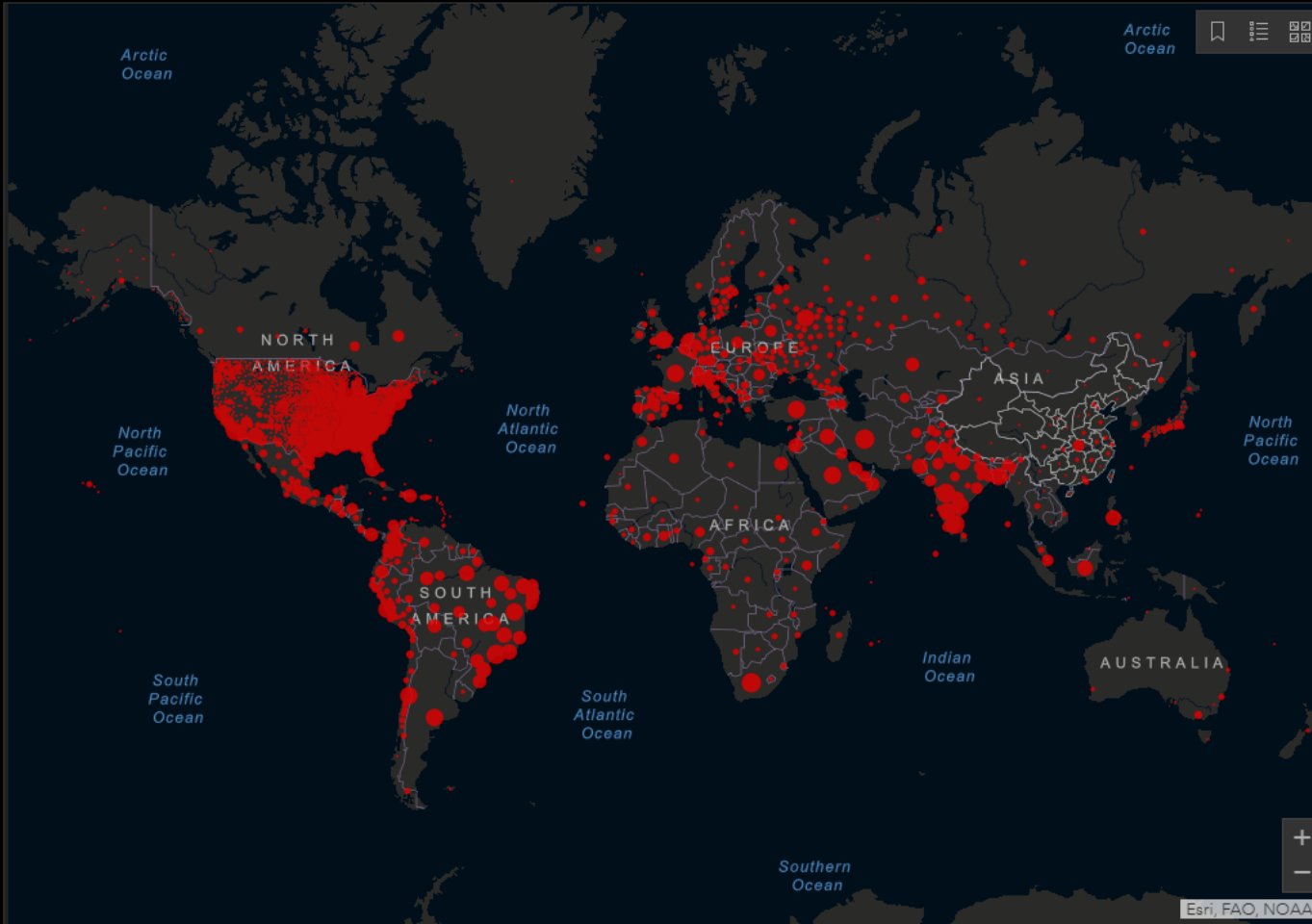
# 21,672,186

#### Cases by Country/Region/Sovereignty

- 5,403,213 US
- 3,340,197 Brazil
- 2,647,663 India
- 920,719 Russia
- 587,345 South Africa
- 525,803 Peru
- 522,162 Mexico
- 468,332 Colombia
- 385,946 Chile
- 343,203 Iran
- 342,813 Spain
- 320,343 United Kingdom
- 298,542 Saudi Arabia
- 294,569 Argentina
- 289,215 Pakistan
- 276,549 Bangladesh
- 253,915 Italy
- 252,965 France
- 249,309 Turkey

Admin0 Admin1 Admin2

Last Updated at (M/D/YYYY)  
8/17/2020 2:27:20 p.m.



[Cumulative Cases](#)
[Active Cases](#)
[Incidence Rate](#)
[Case-Fatality Ratio](#)
[Testing Rate](#)
[Hospitalization Rate](#)

# 188

countries/regions

Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Data sources: [Full list](#). Downloadable database: [GitHub](#), [Feature Layer](#).  
 Lead by JHU CSSE. Technical Support: [Esri Living Atlas team](#) and [JHU APL](#). Financial Support: [JHU](#), [NSF](#), [Bloomberg Philanthropies](#) and [Stavros Niarchos Foundation](#). Resource support: [Slack](#), [Github](#) and [AWS](#). Click [here](#) to **donate** to the CSSE dashboard team, and other JHU COVID-19 Research Efforts. [FAQ](#). Read more in this [blog](#). [Contact US](#).

Cases and Death counts include confirmed and probable (where reported).

### Global Deaths

# 775,244

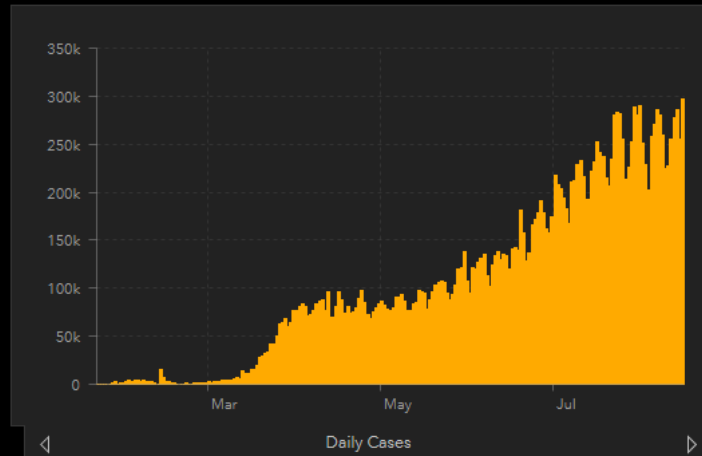
- 170,052 deaths US
- 107,852 deaths Brazil
- 56,757 deaths Mexico
- 50,921 deaths India
- 46,791 deaths United Kingdom
- 35,396 deaths Italy
- 30,410 deaths France
- 28,617 deaths Spain

Global Deaths Global Recovered

### US State Level Deaths, Recovered

- 32,840 deaths, 74,154 recovered New York US
- 15,912 deaths, 33,320 recovered New Jersey US
- 11,243 deaths, recovered California US
- 10,396 deaths, 399,572 recovered Texas US
- 9,452 deaths, recovered Florida US
- 8,838 deaths, 100,486 recovered Massachusetts US
- 7,955 deaths, recovered Illinois US
- 7,453 deaths, 98,323 recovered Pennsylvania US

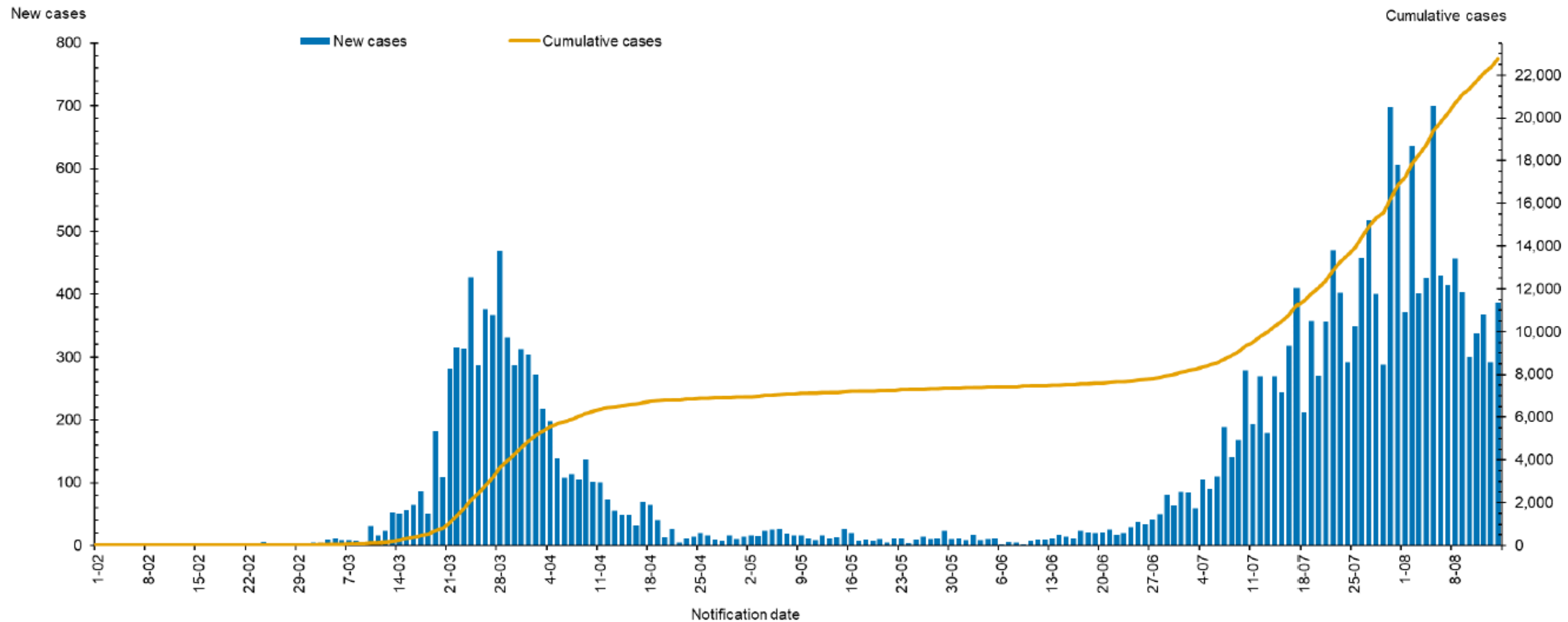
US Deaths, Recovered



Daily Cases

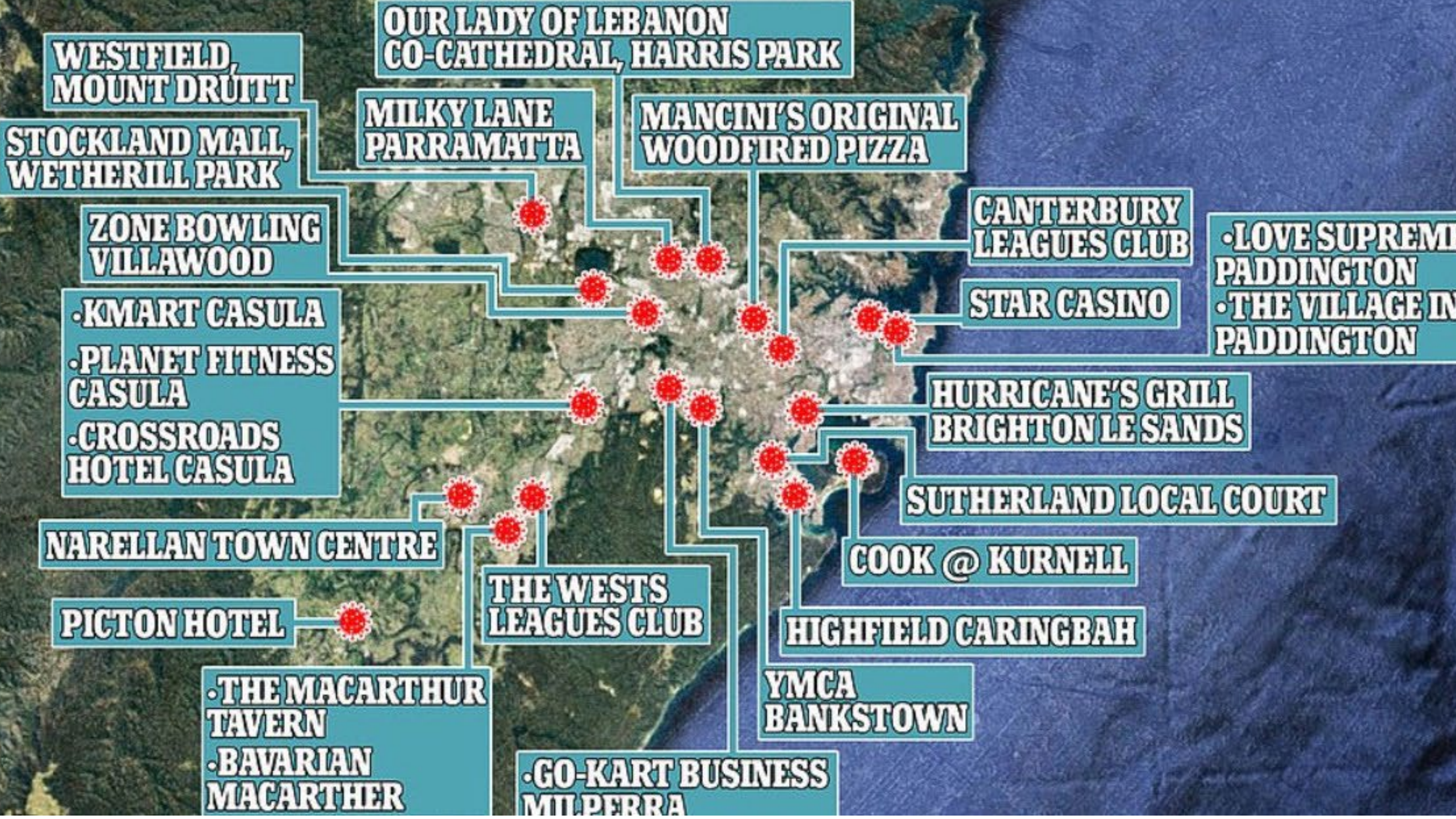
**Figure 1. Number of new and cumulative confirmed cases, by date of notification, Australia, as at 14 August 2020**

Data source: State and Territory daily reporting to the Department of Health



# COVID-19 in Australia - at the Crossroads





**OUR LADY OF LEBANON  
CO-CATHEDRAL, HARRIS PARK**

**WESTFIELD,  
MOUNT DRUITT**

**MILKY LANE  
PARRAMATTA**

**MANCINI'S ORIGINAL  
WOODFIRED PIZZA**

**STOCKLAND MALL,  
WETHERILL PARK**

**ZONE BOWLING  
VILLAWOOD**

**CANTERBURY  
LEAGUES CLUB**

**• LOVE SUPREME  
PADDINGTON  
• THE VILLAGE IN  
PADDINGTON**

**• KMART CASULA  
• PLANET FITNESS  
CASULA**

**• CROSSROADS  
HOTEL CASULA**

**STAR CASINO**

**HURRICANE'S GRILL  
BRIGHTON LE SANDS**

**NARELLAN TOWN CENTRE**

**SUTHERLAND LOCAL COURT**

**PICTON HOTEL**

**THE WESTS  
LEAGUES CLUB**

**COOK @ KURNELL**

**HIGHFIELD CARINGBAH**

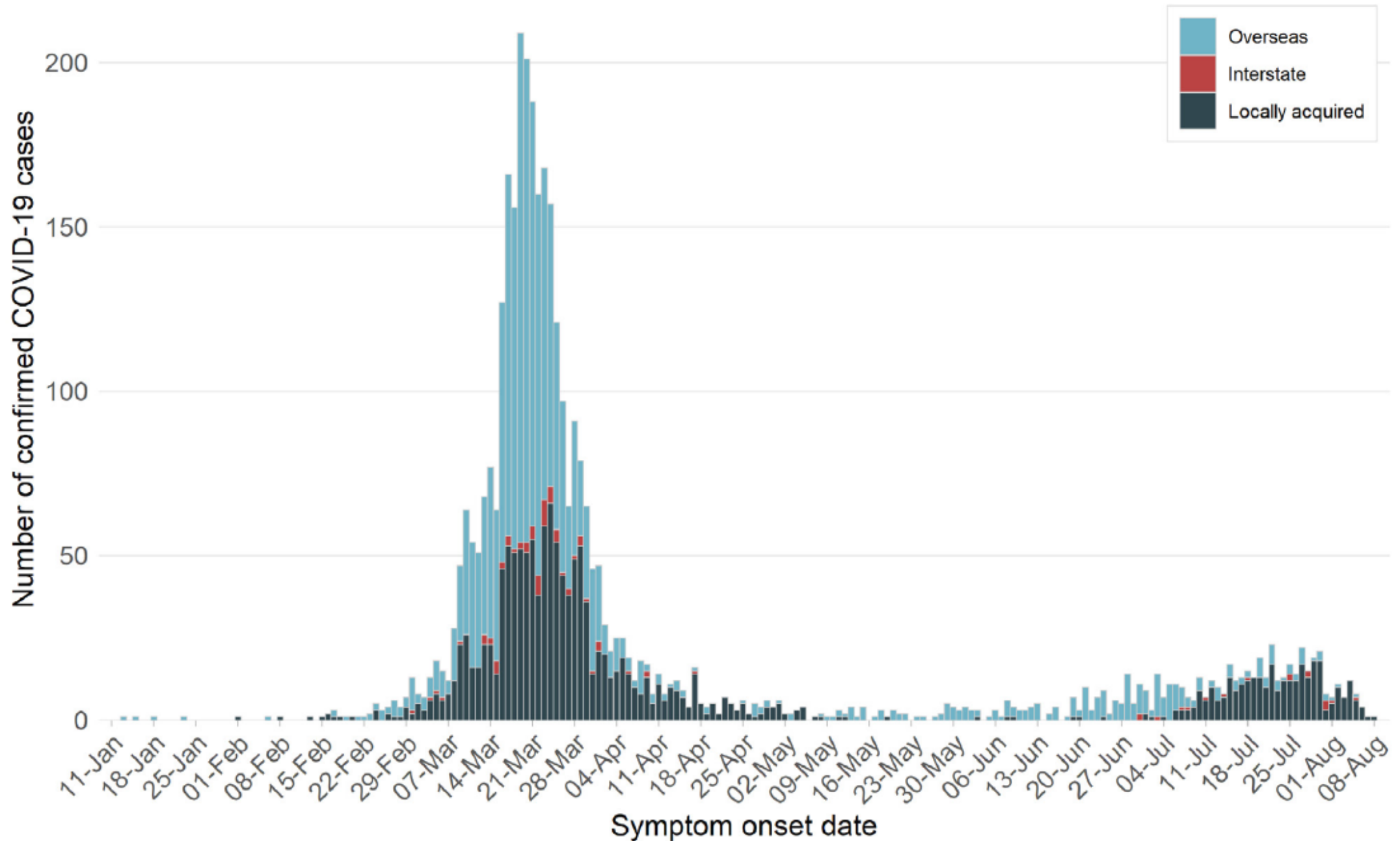
**• THE MACARTHUR  
TAVERN**

**YMCA  
BANKSTOWN**

**• BAVARIAN  
MACARTHER**

**• GO-KART BUSINESS  
MILPERRA**

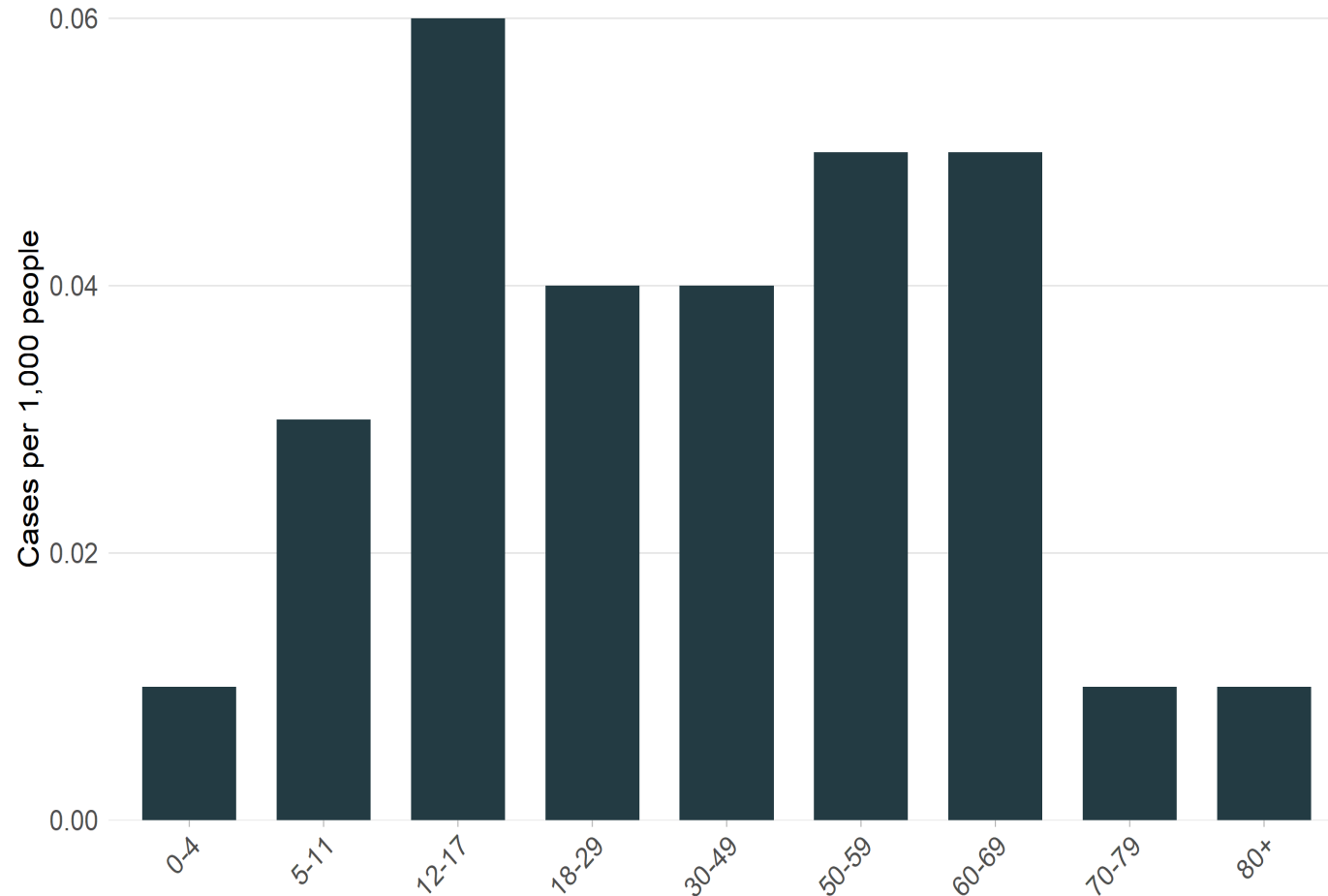
Figure 1. COVID-19 cases by likely infection source and illness onset, NSW, 2020



The date of the first positive test is used for cases who did not report symptoms.

# Very different demographic to first phase

Rates of locally acquired COVID-19 cases by age group - 28 June 2020 to 08 August 2020, NSW

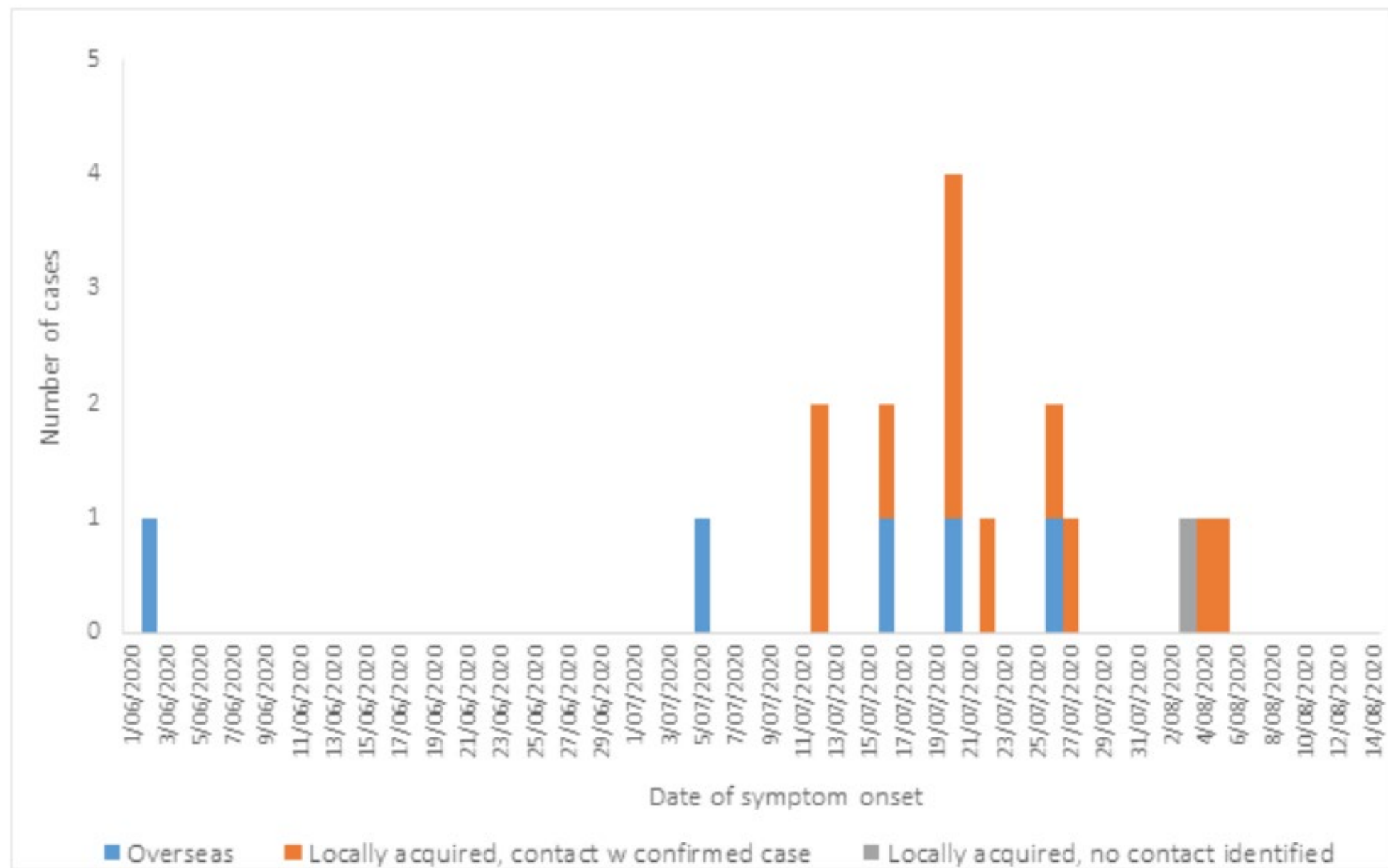


Our risk!





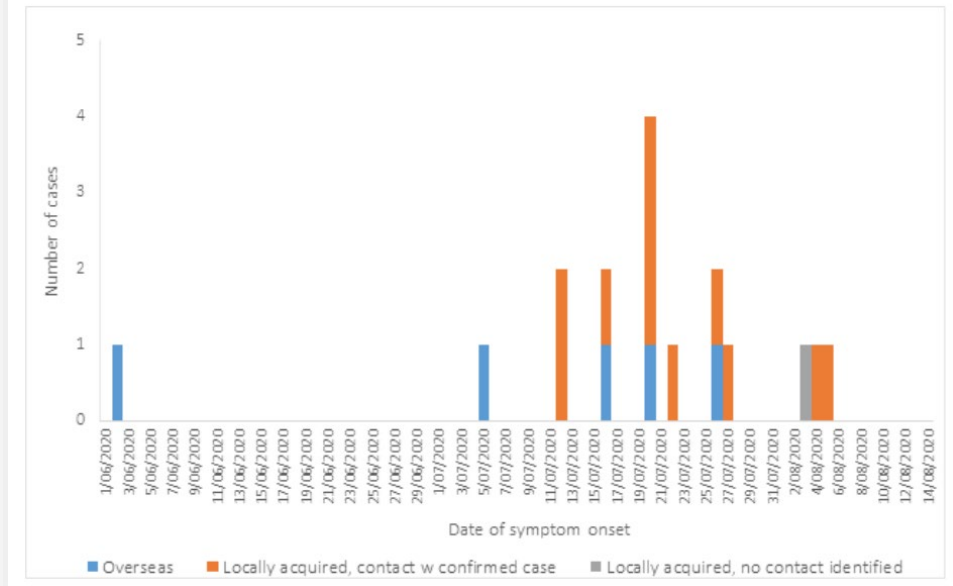
Figure 2: HNELHD confirmed COVID-19 cases, by exposure source. 1 June-14 August 2020<sup>1,2</sup>



# HNE – 2<sup>nd</sup> phase

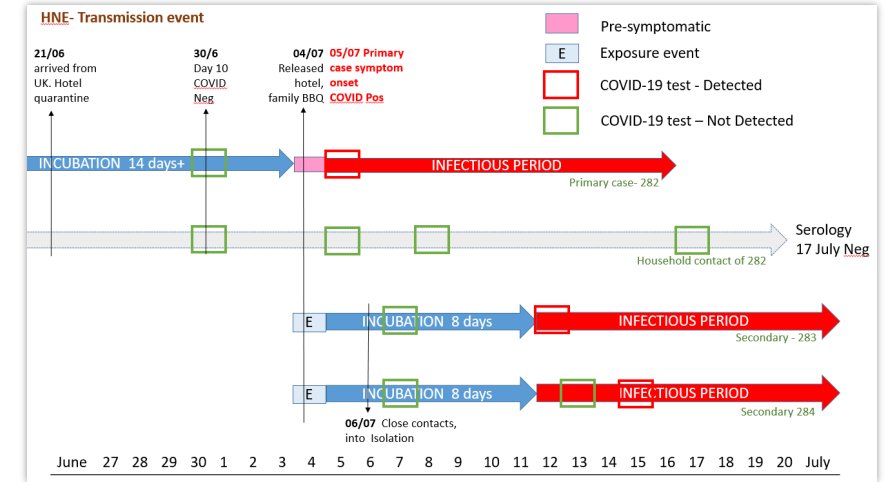
- N=17 since beginning of June
- 4 = international quarantine hotels
- Charlestown family cluster (3) – imported from UK
- Port Stephens family cluster (7) – linked to Thai Rock, Sydney
- Newcastle family cluster (3) – source remains unknown (Sydney WGS)

Figure 2: HNELHD confirmed COVID-19 cases, by exposure source. 1 June-14 August 2020<sup>1,2</sup>



# Key learnings

- Incubation period variable – 2 to 14 days
- Infectious when asymptomatic / pre-symptomatic
- Transmission common in households. High quality isolation or alternate accommodation
- Early negative COVID PCR tests not predictive of future illness
- False negative PCRs. If COVID is highly suspected – maintain isolation and repeat test



# COVID-19 traces found at Newcastle sewage treatment plant

ABC Newcastle / By Madeline Lewis

Posted 1d ago, updated 1d ago



# Sewage testing for COVID-19

- Sites across NSW from mid July, multiple sites in HNE
- RNA fragments shed in stool for median 28 days (well after infectious period)
- Known cases in the sewage catchment during this period
- Perisher sewage positive with no recognised cases
- Still evaluating utility
- COVID-19 killed by usual sewage treatment processes, including ultraviolet (UV) disinfection used at the Burwood Beach plant

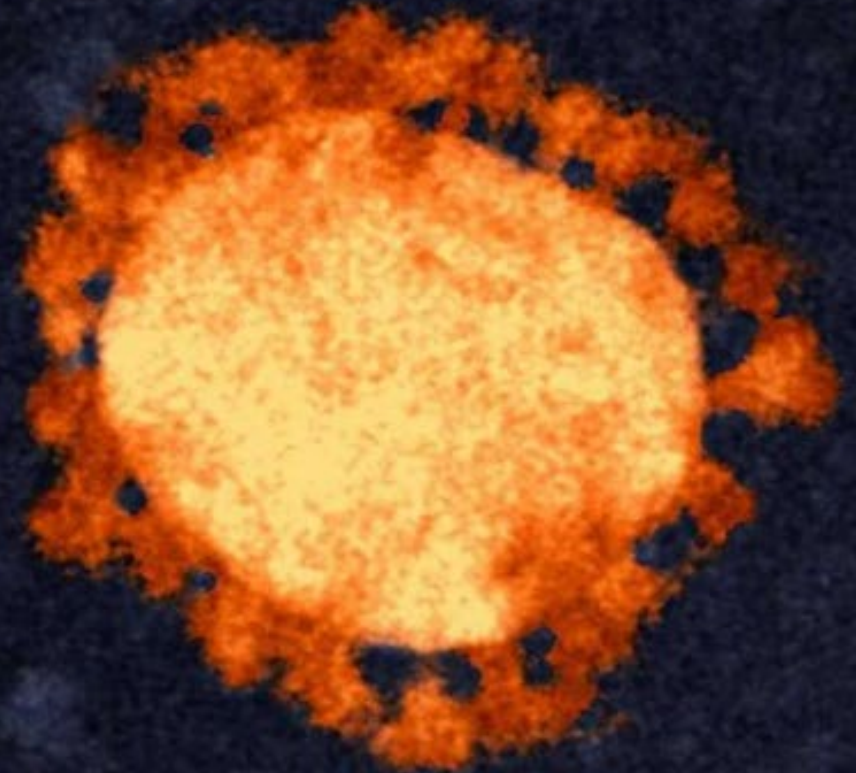
# ACF staff and visitor restrictions (CHO advice)

**Ongoing restrictions** still apply. Exclude staff and visitors who:

- Are symptomatic
- Close contact of confirmed COVID case (in isolation 14 days)
- Have been to Victoria or overseas in the last 14 days
- Have been to a listed venue at the dates and time listed on <https://www.nsw.gov.au/covid-19/latest-news-and-updates> (exclude for 14 days from visit)
- Not been vaccinated against influenza (after 1 May 2020) unless exempted re medical C/I

**For listed LGAs (time limited, based on local transmission risk) eg Newcastle LGA at present**

- All ACFs in the LGA closed to visitors (capacity to consider compassionate exemptions)
- Staff to wear medical masks at work
- Staff who **live** in listed LGA must wear a mask at work regardless of where the RACF is located.
- Visitors who **live in or have been in** the listed LGA in the previous 14 days are excluded regardless of where the RACF is located.



Images courtesy of Jason Roberts / VIDRL - Doherty Institute (with technical assistance from Andrew Leis / Bio21 Institute), Sandy Crameri / CSIRO and NIAID-RML.