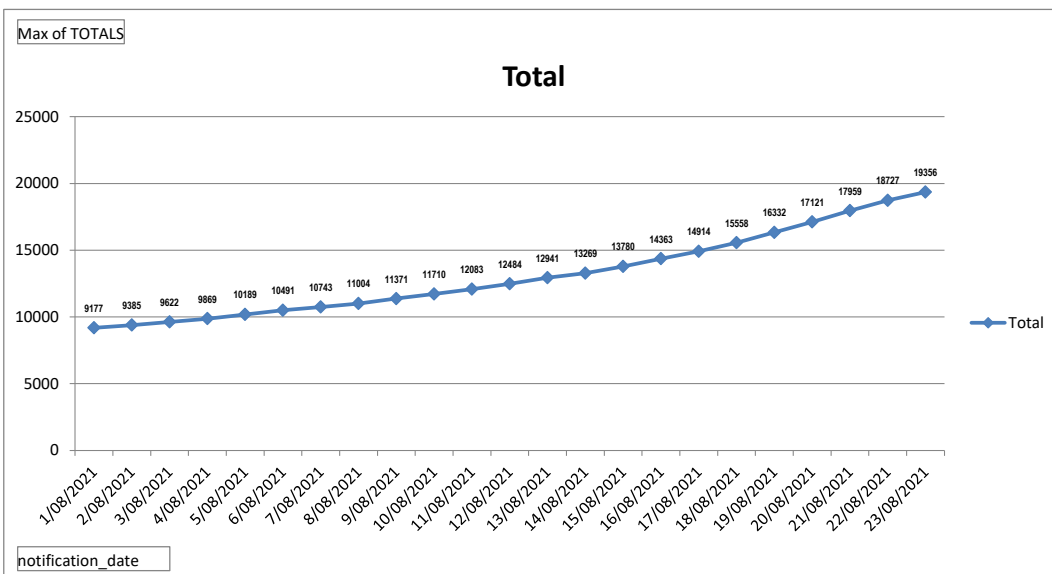


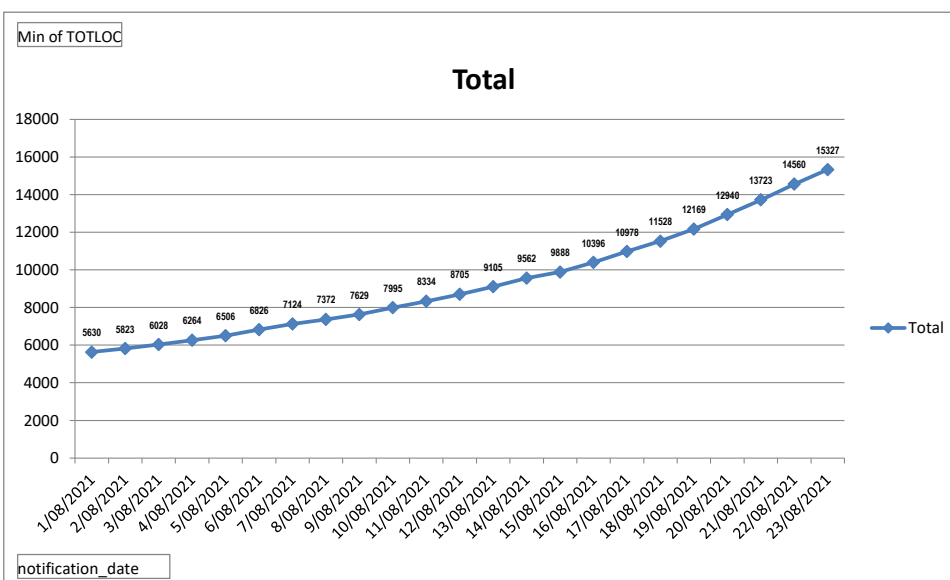
| NSW COVID-19 | Total | Locally | Overseas | Deaths |
|-------------------------|-------|---------|----------|--------|
| Total (from 25-Jan-20) | 19356 | 15860 | 3496 | 130 |
| Outbreak from 16-Jun-21 | 13924 | 13765 | 159 | 74 |

NSW Total Cases



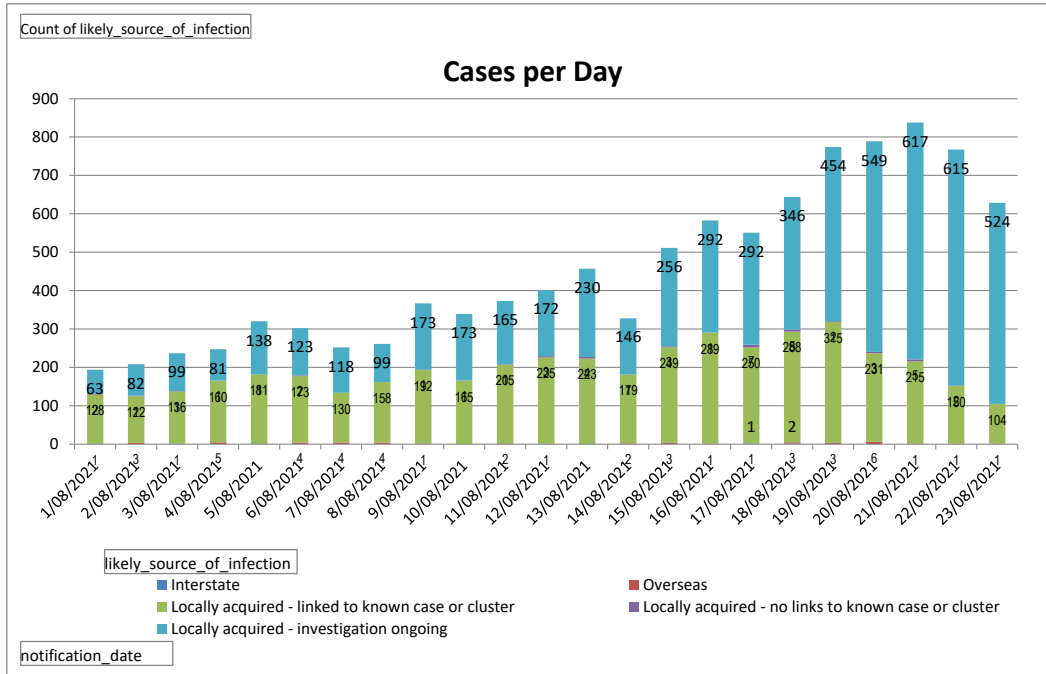
- NSW cases continue to climb, mostly locally transmitted
- Reports updated to show data from 1st August to the present**

NSW Totals of Locally Acquired Cases ONLY



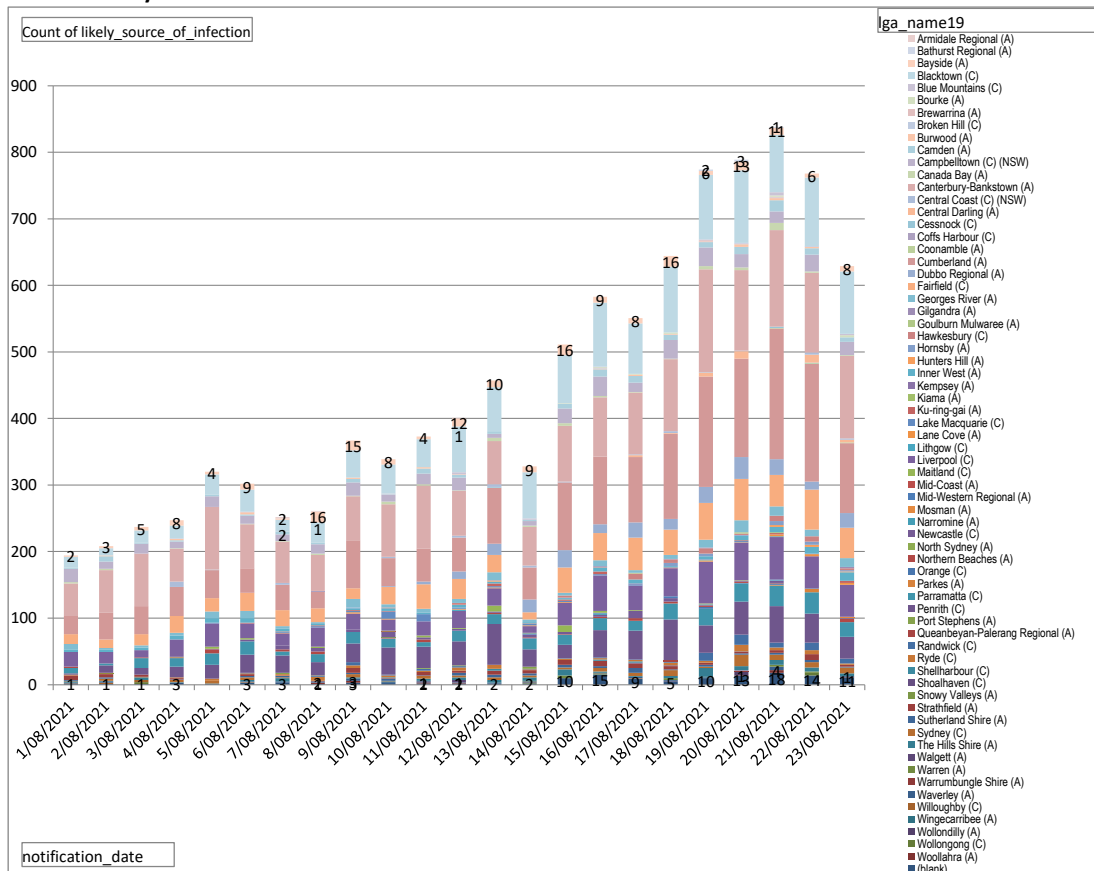
- The current outbreak started on 16th June and has increased daily, and so far continues to grow
- Total number of cases reported yesterday was 755 but only 629 of those were included in the NSW Health data file.**

NSW Cases by Day



- A total of 3024 new cases in the last 4 days.
- From the 3024, only 9 cases overseas acquired with 3015 locally acquired (100%) - 2305 from unknown sources (investigated)
- 2305 Number of cases with unknown sources is too high now**

NSW Cases by Area



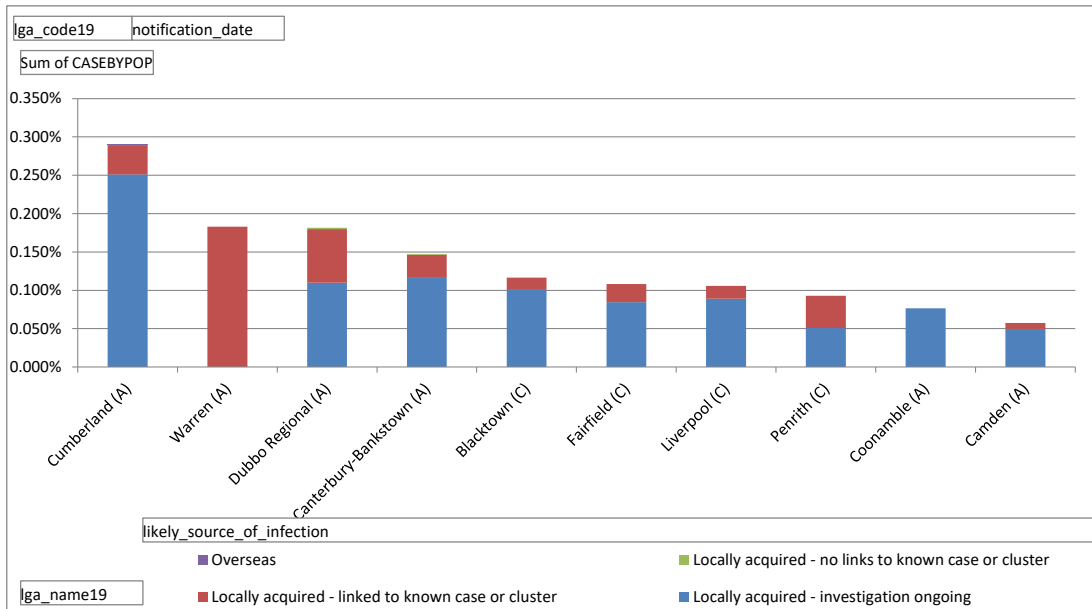
- A total of 28 LGAs got new cases after 1st August (no cases in this outbreak before 1st August)
They are: Armidale Regional (A), Bourke (A), Brewarrina (A), Broken Hill (C), Central Darling (A), Cessnock (C), Coffs Harbour (C), Coonamble (A), Dubbo Regional (A), Gilgandra (A), Kempsey (A), Kiama (A), Lithgow (C), Maitland (C), Mid-Western Regional (A), Mosman (A), Narramine (A), Newcastle (C), Orange (C), Parkes (A), Port Stephens (A), Queanbeyan-Palerang Regional (A), Shellharbour (C), Shoalhaven (C), Snowy Valleys (A), Walgett (A), Warren (A), Warrumbungle Shire (A) .
- 3 LGAs with new cases in the last 3 days: Coonamble (A), Mosman (A), Parkes (A)**

[illegible]

NSW Trends of the TOP-10 "Hotspot" LGAs (the areas to avoid!)

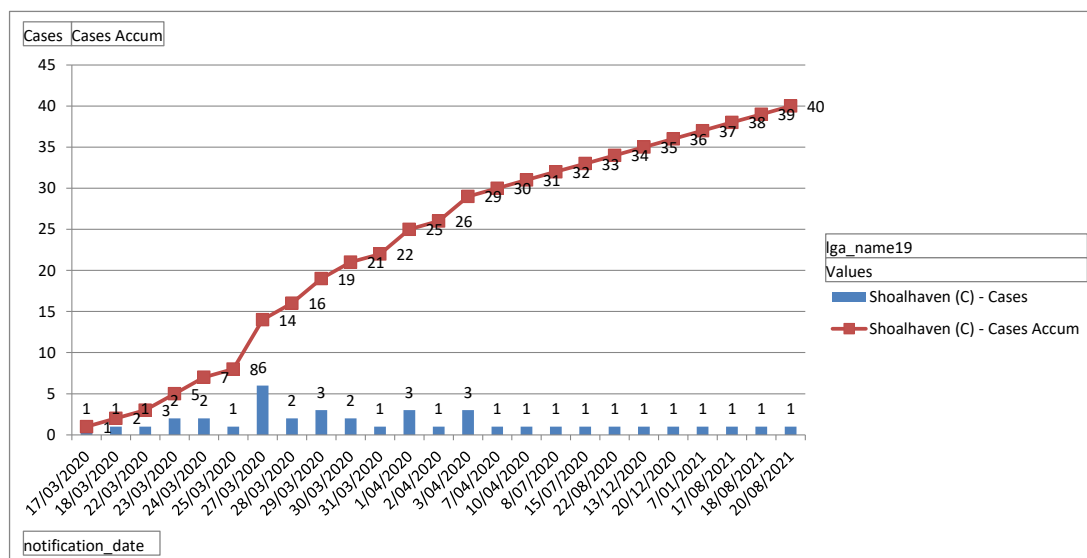
- **Canterbury-Bankstown and Cumberland are increasing caseload at the same rate (more than 25% than Blacktown)**

TOP-10 NSW LGAs with highest new cases proportional to their population for last 4 days



- Warren's new cases are ALL linked to known clusters - no mystery cases which is great progress !!

SHOALHAVEN Cases

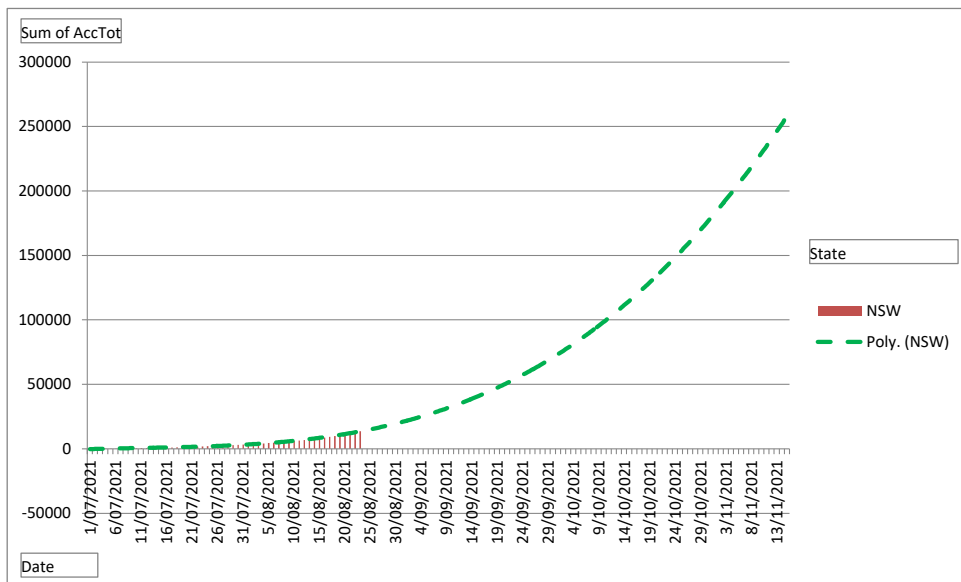


- 2 new cases reported in the Shoalhaven LGA (17th and 18th Aug) - Both cases are Overseas Acquired (not local)
- 1 new case reported in the Shoalhaven LGA yesterday (20th Aug) - Locally acquired !!! ALARMS ON GUYS !!
- During the last 4 days, new cases were reported in: Wollongong, Kiama.

| lga_name19 | Shoalhaven (C) |
|------------|----------------|
|------------|----------------|

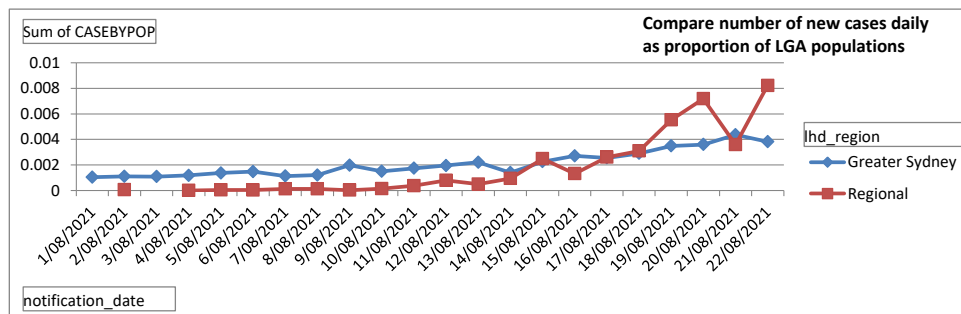
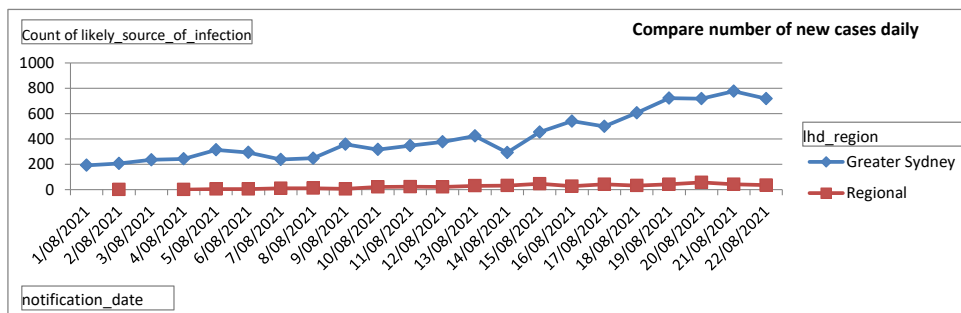
| Count of likely_source_of_infection | | | |
|-------------------------------------|------|--|----------|
| | | Locally acquired - linked to known case or cluster | Overseas |
| 17/08/2021 | 2541 | | 1 |
| 18/08/2021 | 2541 | | 1 |
| 20/08/2021 | 2540 | 1 | |

PROJECTIONS of Cases using current Trend to 15th Nov (target Herd Immunity from Vaccination)



- If the trend of new cases continue, we could end up around 25 times the number of current cases by 15th November - That is then we target to achieve Herd Immunity from Vaccination in NSW
- It is critical that we contain the outbreak and reduce the daily number of new cases immediately to avoid this, 25 times the ICU beds is a lot more than the ICU bed capacity in NSW -- that could cause 25 times the number of deaths as well
- If the number of new cases start to lower later this week, it is still possible that they could gradually reduce to a manageable volume (<30 daily) by 2nd week in Oct - THIS LOCKDOWN MUST WORK!

Comparison of impact to Greater Sydney vs. Regional/Rural NSW



- First chart shows the case number comparison of daily new cases in Greater Sydney vs. Regional/Rural NSW - The second chart shows the same daily case numbers but expressed as a percentage of the population of the LGAs in that region
- Reg/Rural NSW passed Greater Sydney as case numbers proportional to pop - No sign of reducing trend

Vaccination Progress in NSW - Target Weeks to achieve 70% & 80% based on trend

| | | | |
|---------|-----------|----------|------------|
| NSW Pop | 8,166,000 | | |
| 70% | 5,716,200 | - fully: | 11,432,400 |
| 80% | 6,532,800 | - fully: | 13,065,600 |

| Week Ending | Estimated | Actual | Diffs | 70% | 80% |
|-------------|------------|-----------|---------|-----|-----|
| 2-Aug-21 | 3,932,108 | 3,932,108 | | | |
| 9-Aug-21 | 4,449,056 | 4,449,056 | 516,948 | | |
| 16-Aug-21 | 4,966,004 | 5,069,640 | 620,584 | | |
| 23-Aug-21 | 5,848,250 | 5,951,886 | 882,246 | | |
| 30-Aug-21 | 6,730,496 | | | | |
| 6-Sep-21 | 7,612,742 | | | | |
| 13-Sep-21 | 8,494,988 | | | | |
| 20-Sep-21 | 9,377,234 | | | | |
| 27-Sep-21 | 10,259,480 | | | | |
| 4-Oct-21 | 11,141,726 | | | | |
| 11-Oct-21 | 12,023,972 | | | 70% | |
| 18-Oct-21 | 12,906,218 | | | | |
| 25-Oct-21 | 13,788,464 | | | | 80% |
| 1-Nov-21 | 14,670,710 | | | | |
| 8-Nov-21 | 15,552,956 | | | | |
| 15-Nov-21 | 16,435,202 | | | | |
| 22-Nov-21 | 17,317,448 | | | | |

- Great progress made in NSW last week - if we are able to keep these high vaccination numbers for the weeks ahead then we will achieve 70% and 80% full vaccination targets a lot sooner !!