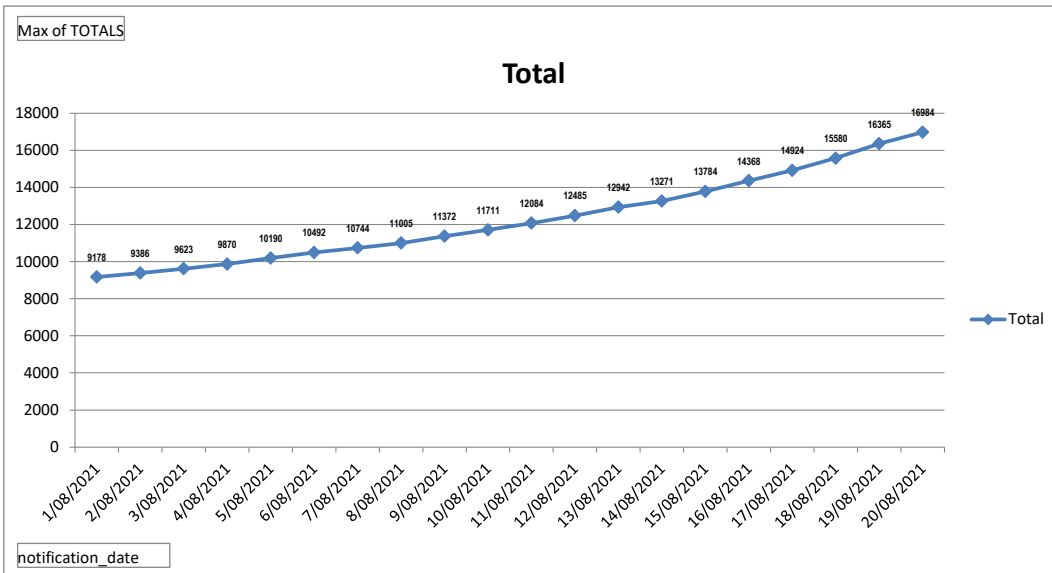


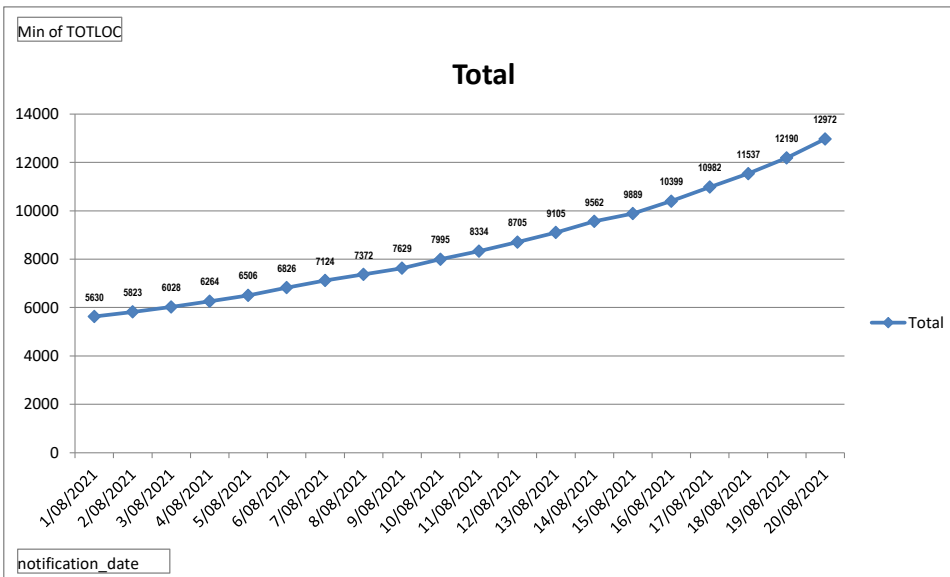
NSW COVID-19	Total	Locally	Overseas	Deaths
Total (from 25-Jan-20)	16984	13490	3494	124
Outbreak from 16-Jun-21	11552	11395	157	68

NSW Total Cases



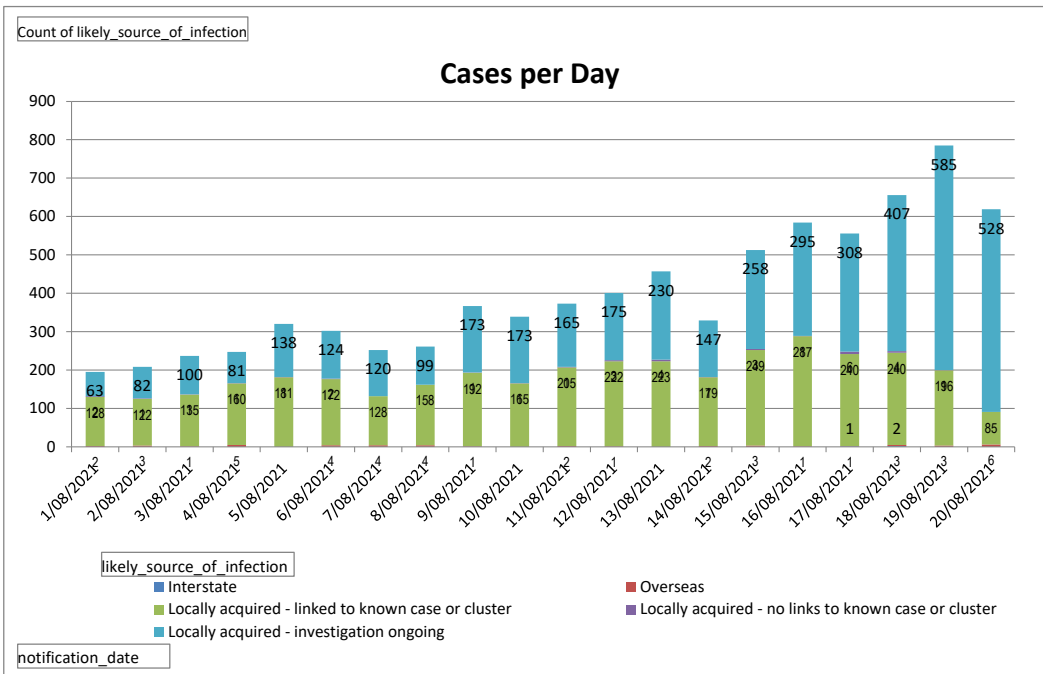
- NSW cases continue to climb, mostly locally transmitted
- **Reports updated to show data from 1st August to the present**

NSW Totals of Locally Acquired Cases ONLY



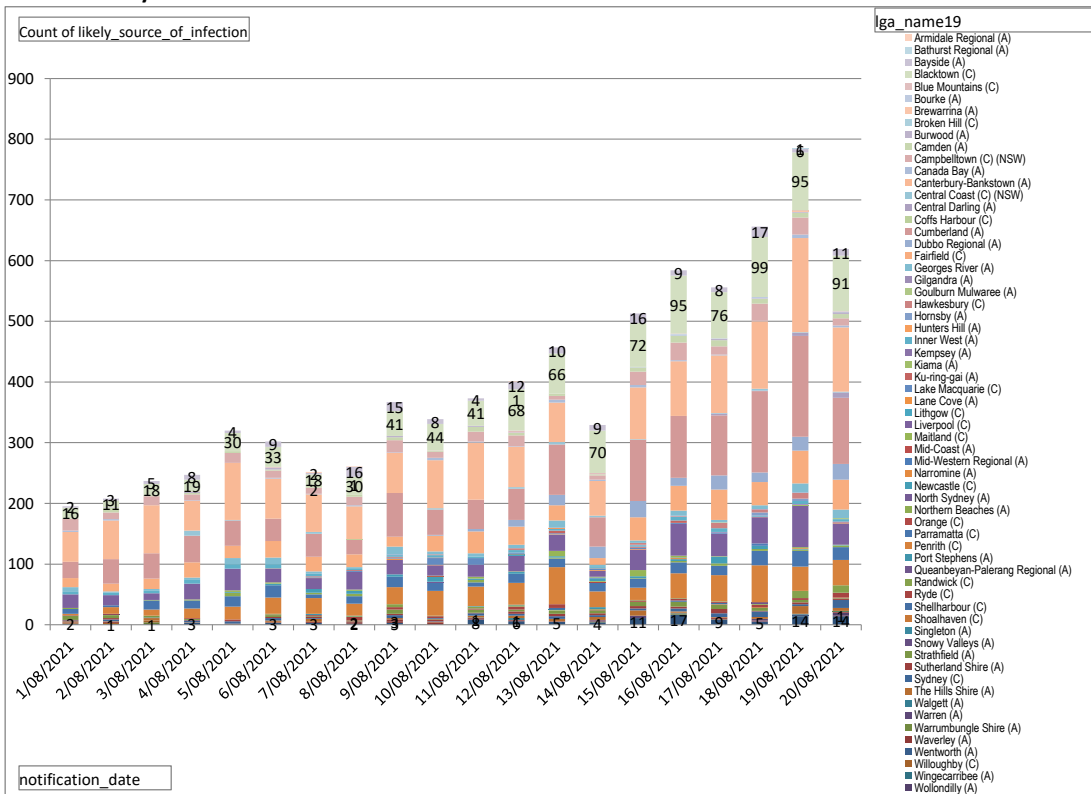
- The current outbreak started on 16th June and has increased daily, and so far continues to grow
- **Total number of cases reported yesterday was 832 but only 619 of those were included in the NSW Health data file.**

NSW Cases by Day



- A total of 2616 new cases in the last 4 days.
- From the 2616, only 16 cases overseas acquired with 2600 locally acquired (99%) - 1828 from unknown sources (investigated)
- 1828 Number of cases with unknown sources is too high now**

NSW Cases by Area

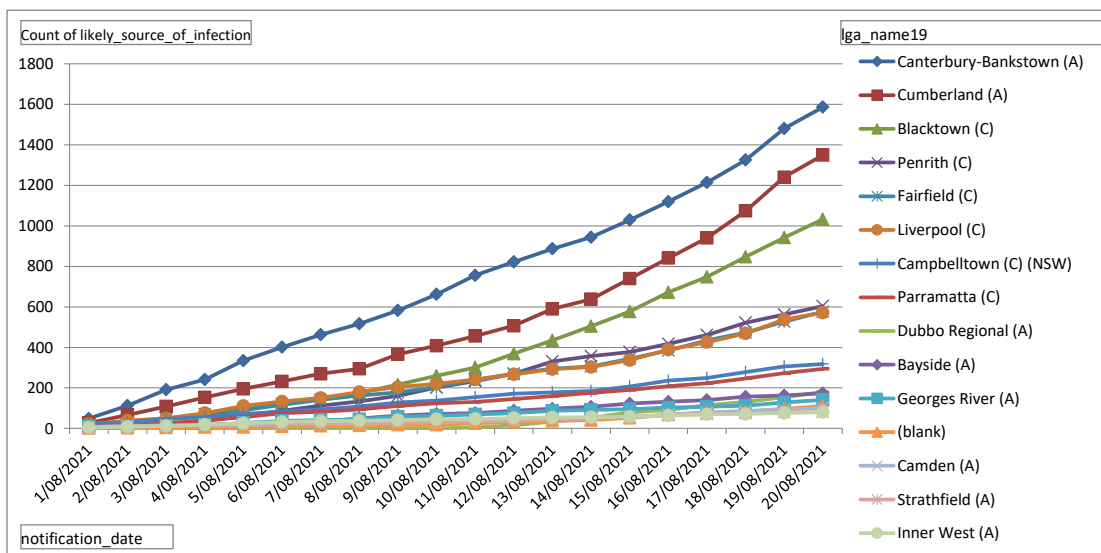


- A total of 26 LGAs got new cases after 1st August (no cases in this outbreak before 1st August)
They are: Armidale Regional (A), Bourke (A), Brewarrina (A), Broken Hill (C), Central Darling (A), Coffs Harbour (C), Dubbo Regional (A), Gilgandra (A), Kempsey (A), Kiama (A), Lithgow (C), Maitland (C), Mid-Western Regional (A), Narramine (A), Newcastle (C), Orange (C), Port Stephens (A), Queanbeyan-Palerang Regional (A), Shellharbour (C), Shoalhaven (C), Singleton (A), Snowy Valleys (A), Walgett (A), Warren (A), Warrumbungle Shire (A), Wentworth (A) .
- 5 LGAs with new cases in the last 3 days: Brewarrina (A), Kiama (A), Queanbeyan-Palerang Regional (A), Warrumbungle Shire (A), Wentworth (A)**

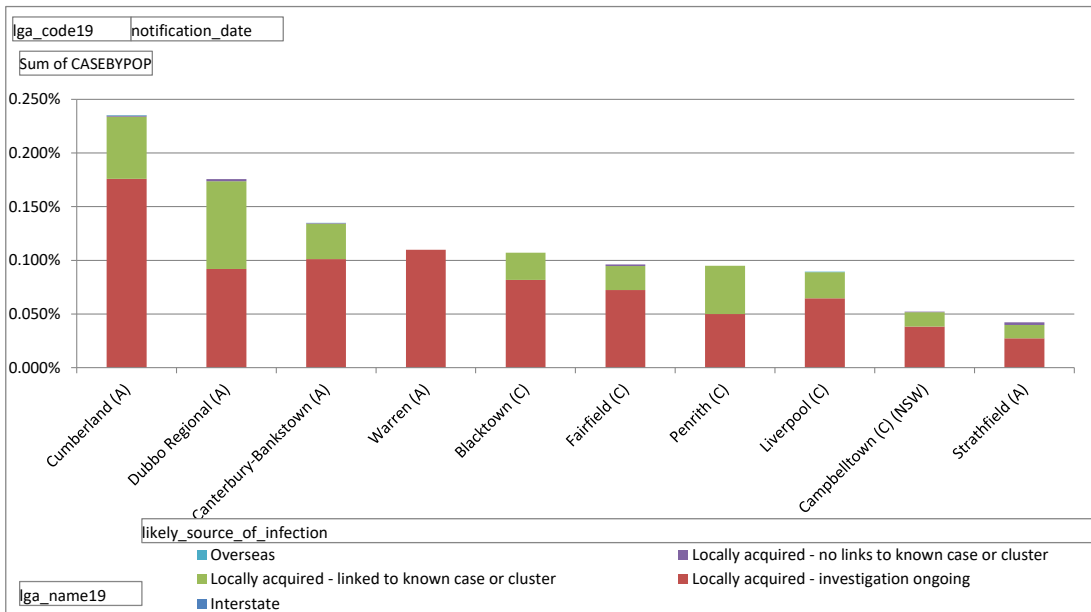
Row Labels	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Armidale Regional (A)							2	1																								4
Bathurst Regional (A)																																1
Bayside (A)	2	3	5	8	4	9	2	16	15	8	4	12	10	9	16	9	8	17	6	11												174
Blacktown (C)	16	11	18	19	30	33	18	30	41	44	41	68	66	70	72	95	76	99	95	91												1033
Blue Mountains (C)				1		1						3		2		1	1	1	2	1	1											11
Bourke (A)																																5
Brewarrina (A)																			2													2
Broken Hill (C)																	1			1												2
Burwood (A)		1		2		3			2		2	1					1	2	1	1	3											19
Cabonne (A)																																1
Camden (A)	2	8	2	2	3	2	4	3	5	1	8	4	4	2	7	11	10	8	8	7												101
Campbelltown (C) (NSW)	20	11	15	10	16	12	10	14	20	10	16	18	6	7	22	29	14	28	28	12												318
Canada Bay (A)	2	2		1		1	1	2	1	4	2	1	5	2	4	2	1	1	6	3												41
Canterbury-Bankstown (A)	49	64	79	49	94	66	62	54	66	79	94	66	65	57	85	90	95	111	155	106												1586
Central Coast (C) (NSW)				8	1		3			2		3	4	3	1			3	1	1												31
Central Darling (A)																		3	1	5	9											18
Coffs Harbour (C)								1																								1
Cumberland (A)	27	40	42	44	42	37	38	24	72	42	48	51	83	48	101	102	99	134	166	109												1349
Dubbo Regional (A)																																180
Fairfield (C)	15	13	17	25	20	27	24	21	16	26	36	30	25	11	38	41	50	38	54	49												576
Georges River (A)	8	2	3	4	10	11	4	3	13	5	6	6	12	4	4	8	4	6	15	14												142
Gilgandra (A)																																3
Glen Innes Severn (A)																																3
Goulburn Mulwaree (A)																																3
Gunnedah (A)																																3
Hawkesbury (C)										1		3	1		3	1	9	5	9													32
Hornsby (A)										1																						11
Hunters Hill (A)																																1
Inner West (A)	4	4	4	6	7	7	4	2	3	4	2	4	3	2	2	6	6	2	5	4												81
Inverell (A)																																1
Kempsey (A)																																3
Kiama (A)																																1
Ku-ring-gai (A)						1	1	1	1	1			4	1	2	4			1	1												18
Lake Macquarie (C)					1		2	2	11	11	2		2	2	2	2																40
Lane Cove (A)							1	2	1			1	1	1	1					1	1											10
Lithgow (C)																																2
Liverpool (C)	22	17	11	26	35	22	18	29	24	17	20	26	10	34	52	37	43	68	35													572
Maitland (C)				1	3	2		2		1	3	1	9	1	10	3	1		2	1												40
Mid-Coast (A)																																1
Mid-Western Regional (A)														2		1		4														7
Narramine (A)																																3
Newcastle (C)						1	3	6	5	4	8	2	3	2	4	3	3	11	5	1	1											62
North Sydney (A)																																1
Northern Beaches (A)	2		1	1	6		3	4		1	4		2	1	1	2	4	3	2	2												39
Orange (C)																																1
Parramatta (C)	8	3	15	13	17	20	6	12	17	13	7	15	14	15	15	18	15	24	26	21												294
Penrith (C)	2	11	10	16	21	27	26	20	28	41	32	36	61	26	20	41	43	61	40	42												604
Port Stephens (A)																																8
Queanbeyan-Palerang Regional																																2
Randwick (C)						1		1	5	1	3	2		1	1	1	1	2	12	12												43
Ryde (C)	1	1		1	3	1	2	6	4	3	2	5	6	1	2	3	2	4	3	8												58
Shellharbour (C)																																8
Shoalhaven (C)																																3
Singleton (A)																																1
Snowy Valleys (A)		1																														1
Strathfield (A)	7	5	3	2		3	1	1	7	1	5	3	6	5	7	8	7	5	4	1												81
Sutherland Shire (A)	1	2		1		2	2	1	2	3	1	4	4	3	4	3	7	1	3	2												46
Sydney (C)	1	3	1	3	4	4	1		5	1	4	3	4	3	3	5	6	9	3	13												76
The Hills Shire (A)	2	1	4	1	1	2	5		2	1	3	4	4	5	9	2	1	3	13	5												68
Walgett (A)																																6
Warren (A)																																8
Warrumbungle Shire (A)																																1
Waverley (A)	1	2			1	1	2	1	3	4	1	1	1	1																		24
Wentworth (A)																																1
Willoughby (C)	1	2	3			1																										9
Wingecarribee (A)																																2
Wollondilly (A)																																8
Wollongong (C)			3																													5
Woolahra (A)																																8
(blank)	2	1	1	3		3	3	2	3		1	1	8	6	5	4	11	17	9	5	14	14										111

- Cases reported last 4 days from: Cumberland 508, Canterbury-Bankstown 467, Blacktown 361, Fairfield 191, Penrith 186, Liverpool 183, Dubbo Regional 88, Parramatta 86, Campbelltown 82, Bayside 42, Overseas 42, Georges River 39, Camden 33, Sydney 31, Randwick 27, Hawkesbury 23, The Hills Shire 22, Central Darling 18, Newcastle 18, Ryde 17, Strathfield 17, Inner West 17, Sutherland Shire 13, Canada Bay 11, Northern Beaches 11, Hornsby 9, Burwood 7, Wollondilly 6, Central Coast 6, Waverley 5, Maitland 4, Mid-Western Regional 4, Kempsey 3, Goulburn Mulwaree 3, Bourke 3, Shoalhaven 3, Warren 3, Brewarrina 2, Walgett 2, Shellharbour 2, Gilgandra 2, Lake Macquarie 2, Ku-ring-gai 2, Blue Mountains 2, Lane Cove 2, Queanbeyan-Palerang Regional 2, Broken Hill 1, Willoughby 1, Bathurst Regional 1, Woolahra 1, Wingecarribee 1, Kiama 1, Wentworth 1, Warrumbungle Shire 1, Narramine 1.
- "(blank)" in the area is used to identify "Overseas" cases, and/or local cases with "Unknown" LGA

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

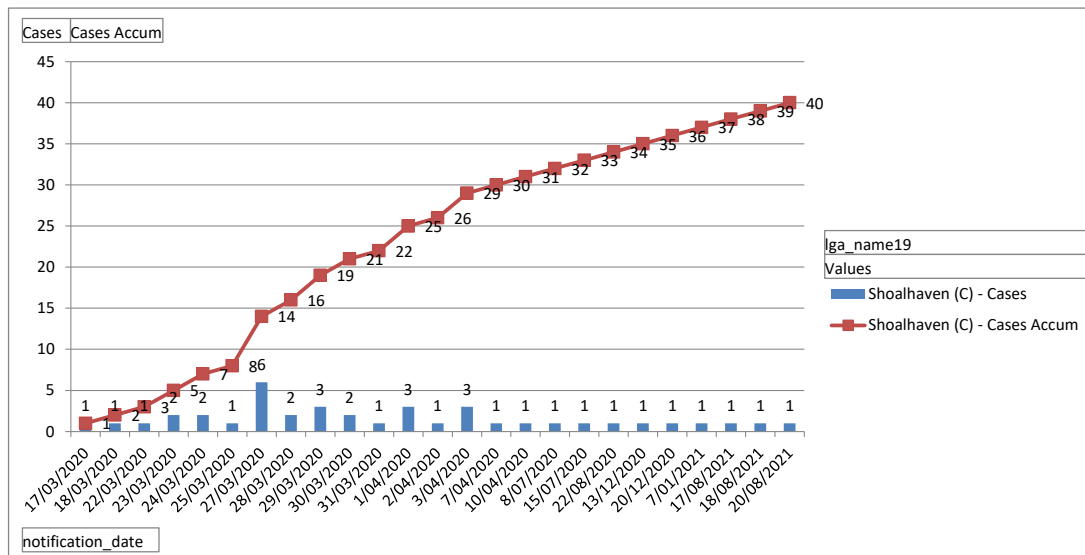


TOP-10 NSW LGAs with highest new cases proportional to their population for last 4 days



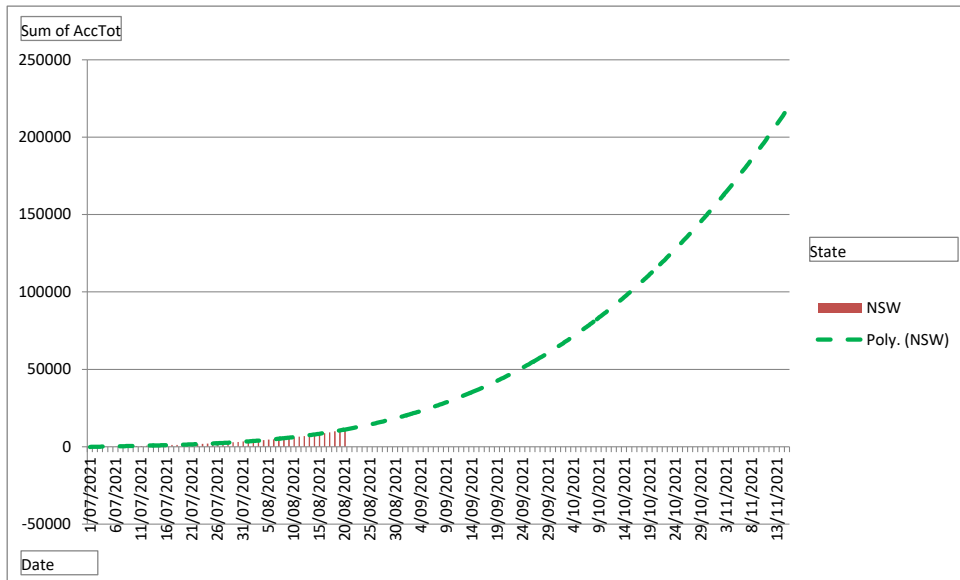
- Cumberland and Dubbo Regional have the highest numbers of new cases per population last 4 days

SHOALHAVEN Cases



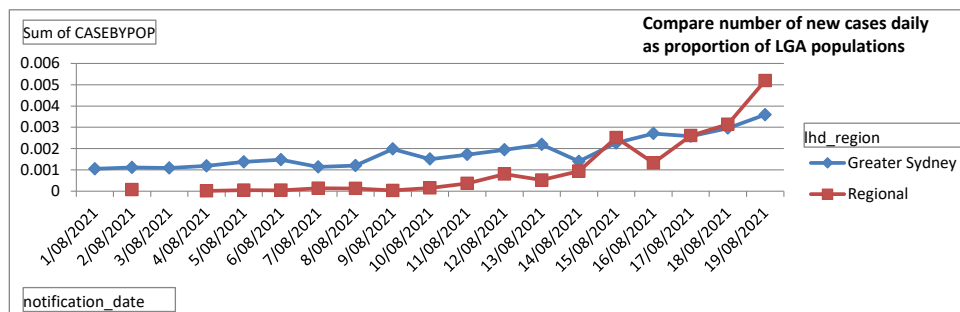
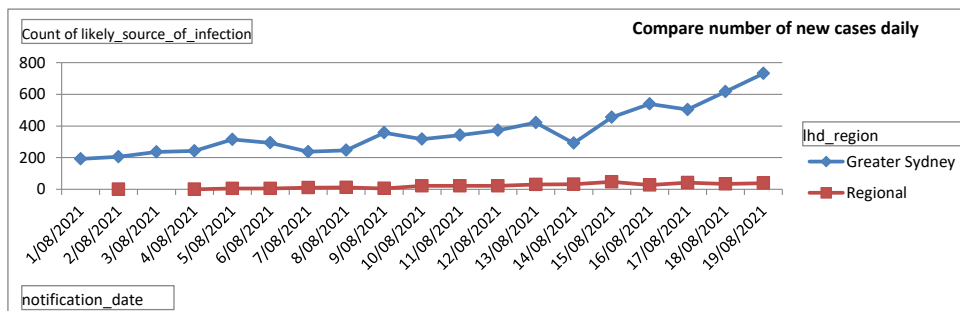
- 2 new cases reported in the Shoalhaven LGA (17th and 18th Aug) - Both cases are Overseas Acquired (not local)
- 1 new case reported in the Shoalhaven LGA yesterday (20th Aug) - Locally acquired !!! ALARMS ON GUYS !!
- During the last 4 days, new cases were reported in: Shellharbour, Wingecarribee,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

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 20 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, 20 times the ICU beds is a lot more than the ICU bed capacity in NSW -- that could cause 20 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 1st 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 - The impact of this outbreak to Regional/Rural NSW is now much higher than to Greater Sydney (population = resources / infrastructure / capabilities / etc)

