NSW Total Cases

NSW COVID-19	Total	Locally	Overseas	Deaths
Total (from 25-Jan-20)	24607	21095	3512	163
Outbreak from 16-Jun-21	19176	19001	175	107

Max of TOTALS

Total

notification_date
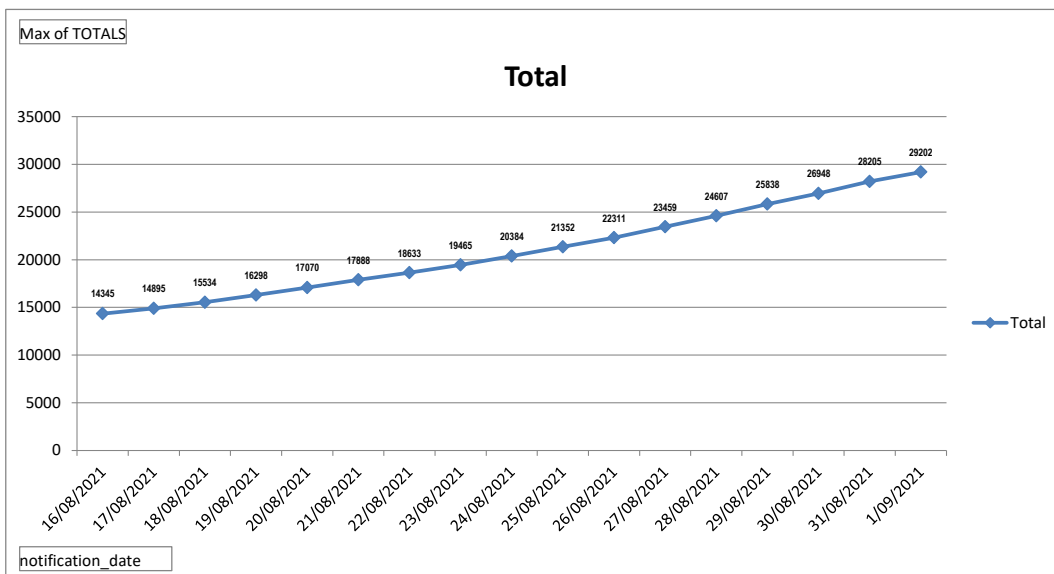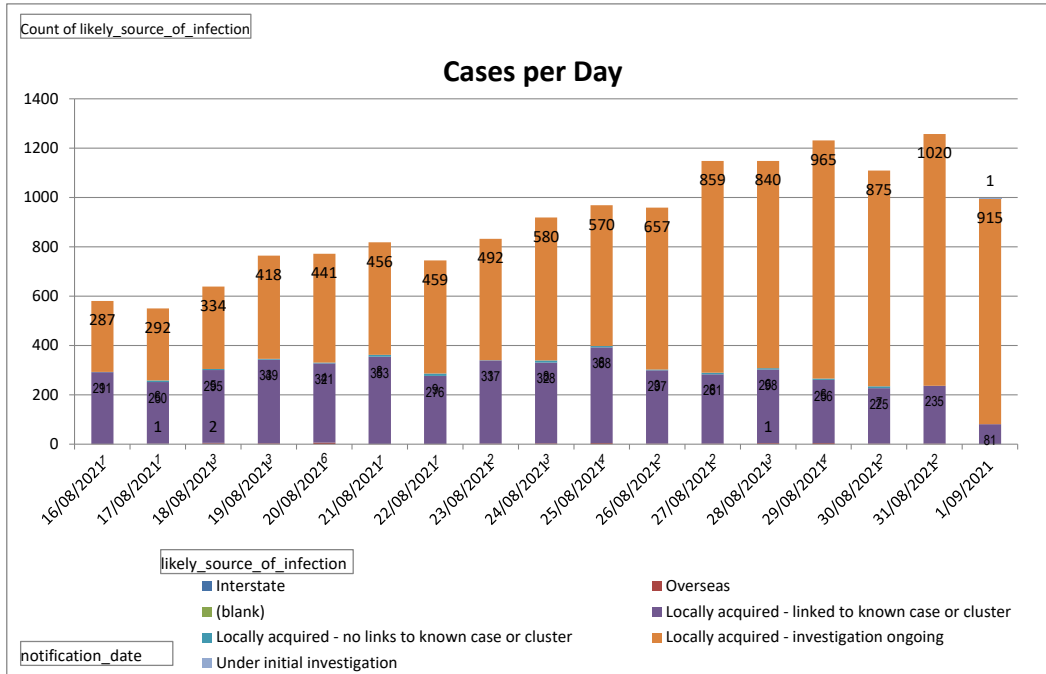
- NSW cases continue to climb, mostly locally transmitted
- *Reports updated to show data from 16th August to the present*

NSW Totals of Locally Acquired Cases ONLY

Min of TOTLOC
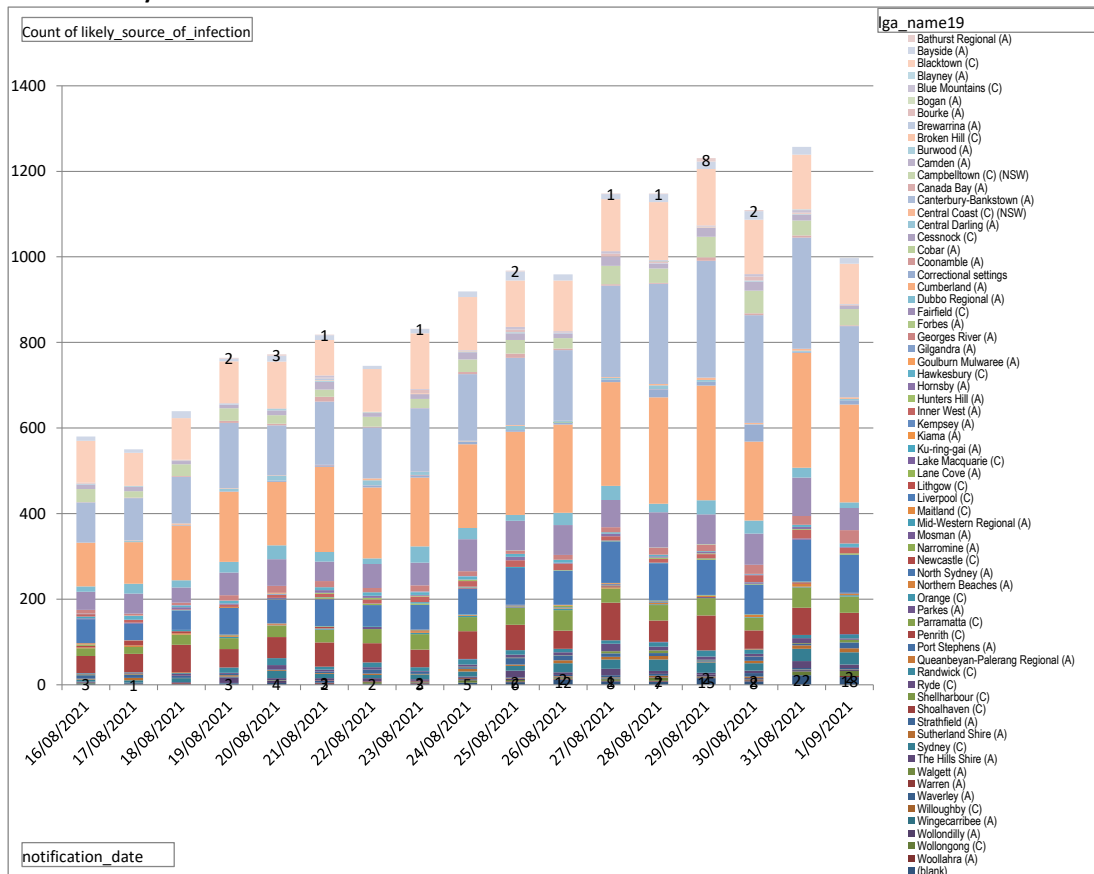
Total

notification_date
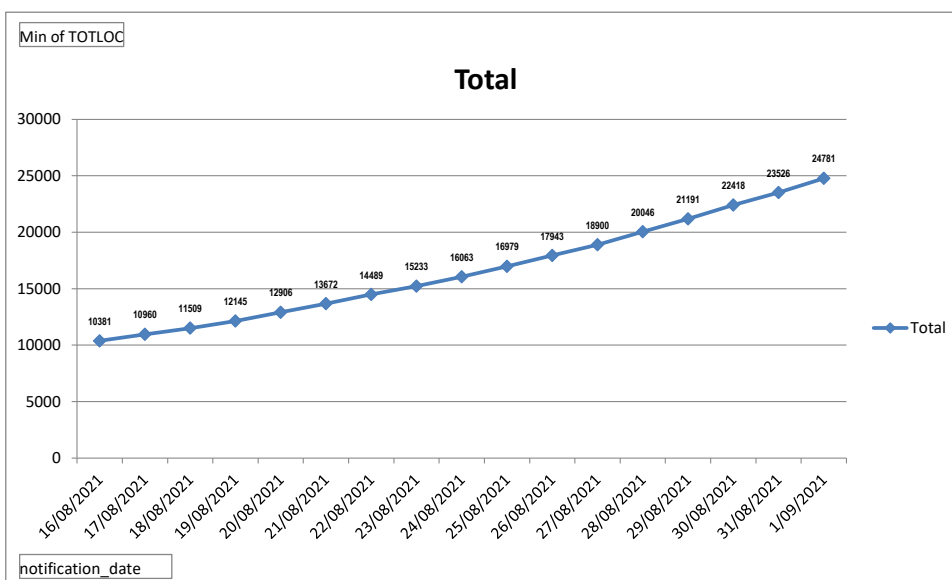
- *Total number of cases reported yesterday was 1288 but only 997 of those were included in the NSW Health data file.*

NSW Cases by Day

- A total of 4594 new cases in the last 4 days.
- From the 4594, only 9 cases overseas acquired with 4585 locally acquired (100%) - 3775 from unknown sources (investigated)
- *3775 Number of cases with unknown sources is too high now*

NSW Cases by Area

- A total of 18 LGAs got new cases after 16th August (no cases in this outbreak before 16th August)
  They are: Blayney (A), Bogan (A), Bourke (A), Brewarrina (A), Broken Hill (C), Central Darling (A), Cobar (A), Coonamble (A), Forbes (A), Gilgandra (A), Kempsey (A), Kiama (A), Mosman (A), Narromine (A), Orange (C), Parkes (A), Queanbeyan-Palerang Regional (A), Shoalhaven (C) .

- *No new LGAs identified - It does not seem to be showing spread outside of the current affected LGAs*

| Row Labels	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01
Bathurst Regional (A)			2	3	1		1		2		1	1	8	2			
Bayside (A)	10	8	16	6	14	11	7	10	13	21	14	12	19	18	20	18	13
Blacktown (C)	98	77	97	98	108	83	100	130	124	109	119	122	135	131	127	128	94
Blayney (A)															2		
Blue Mountains (C)	1			1	1	5		2	1	6	3	5	3	1	6	5	1
Bogan (A)														1			
Bourke (A)	1	1	2			2		8	1	6	1	7	3	2	9	3	
Brewarrina (A)			2		4					2		1	1	1		1	
Broken Hill (C)	1			1	1	1	2	1				1		1	1		
Burwood (A)	1	2	1	1	4	3	2		2	3			1	2	1		
Camden (A)	11	10	8	8	11	18	9	11	17	15	10	22	11	21	21	14	9
Campbelltown (C) (NSW)	30	15	27	29	20	17	23	21	29	32	24	43	34	48	53	35	38
Canada Bay (A)	1	1	2	5	4	11	2	1	5	10	4	3	2	8	4	5	2
Canterbury-Bankstown (A)	94	99	109	153	117	148	119	148	156	157	165	214	234	273	252	260	166
Central Coast (C) (NSW)		1	3	1	1		4	1	1	2	1	2	3	6	3	4	4
Central Darling (A)		3	1	6	11		12	7	1	10	3	4	9	4	1	3	3
Cessnock (C)						2	1	1				1	1				
Cobar (A)											1						
Coonamble (A)					1		1										
Correctional settings			1	1	3	2	4	4	6	4	4	5	18	9	40	2	10
Cumberland (A)	102	97	128	164	148	199	166	161	196	194	206	242	249	268	184	269	229
Dubbo Regional (A)	13	23	17	25	33	22	13	38	26	14	29	33	20	33	31	23	13
Fairfield (C)	42	47	35	53	62	46	56	53	75	69	70	64	82	70	73	90	52
Forbes (A)									1					1	1		
Georges River (A)	9	4	6	12	16	14	10	14	11	7	11	12	16	15	21	20	31
Gilgandra (A)	1		1	1				2	1								
Goulburn Mulwaree (A)		1			2												
Hawkesbury (C)		9	4	6	2	7	8	6	7	7	7	3	4	2	1	5	8
Hornsby (A)		1	5	3	1	6	5	2	1	8	2	6	3	3	2	5	2
Hunters Hill (A)				3	4	2	3		1		3	2		2			
Inner West (A)	6	6	2	5	7	7	9	13	13	16	14	10	9	9	16	20	13
Kempsey (A)		1		1													
Kiama (A)				1													
Ku-ring-gai (A)	4		1		1	1		3	1	2	1	1	1		1		
Lake Macquarie (C)	2	2			2		1		1				1	3	3		
Lane Cove (A)				1	1	3	3	3	1		1		3	2		3	
Lithgow (C)						1			1								
Liverpool (C)	56	38	45	62	56	63	49	58	61	86	79	97	87	82	70	97	89
Maitland (C)	3	1		1	1				1	2	2						
Mid-Western Regional (A)	1		3				1			1		1		1			
Mosman (A)						1				3				1			
Narromine (A)	2			1		1		1			4	1	2	1	1	1	
New castle (C)	4	11	5	1	1	3		2				2	1		3	1	
North Sydney (A)									1	1	1	2				1	
Northern Beaches (A)	2	4	3	2	2	1		4	2	2	2	3	4	3	5	7	4
Orange (C)			3	1	2	2	3	3	2	4		2		1	1	3	
Parkes (A)				1	5			1				3		1			
Parramatta (C)	18	16	24	26	27	29	33	36	33	40	48	33	36	40	30	47	38
Penrith (C)	40	43	64	43	49	57	45	41	65	59	42	88	50	82	43	64	50
Port Stephens (A)							1				2		1		2		
Queanbeyan-Palerang Regi		2												1			
Randwick (C)	1	1	2	12	16	7	11	9	12	11	8	8	9	14	10	7	8
Ryde (C)	2	2	4	3	10	4	6	2	5	7	7	18	9	8	6	12	3
Shellharbour (C)	2	2				1	1	1	5	6	1	1	2	6			
Shoalhaven (C)		1	1														
Strathfield (A)	8	7	4	3	2	4	9	5	4	15	11	8	7	3	9	3	14
Sutherland Shire (A)	2	6	1	3	2	2	3	1	6	3	7	6	8	2	6	8	9
Sydney (C)	5	5	9	2	17	10	8	11	12	11	21	22	27	24	17	29	29
The Hills Shire (A)	2	1	2	13	5	5	7	4	3	16	6	15	7	4	6	16	8
Walgett (A)				1				1									
Warren (A)			2			1	2	2	2								
Waverley (A)		2	1	1		4		1	2	2	3	5	4		8	3	3
Willoughby (C)	1	1						1	1	2	4		3	1	1		
Wingecarribee (A)														1	1		
Wollondilly (A)			1		5			1	3	2	1	1	5	3	3	3	
Wollongong (C)	1					4	1	5	3	3	4	7	2	2	9	12	
Woollahra (A)				3		2		2	2	1	2	2	2		2		
(blank)	3	1		3	4	2	2	3	5	6	12	8	7	15	8	22	18
Total	580	550	639	764	772	818	745	832	919	968	959	1148	1148	1231	1109	1257	997

- Cases reported last 4 days from: Canterbury-Bankstown 951, Cumberland 950, Blacktown 480, Liverpool 338, Fairfield 285, Penrith 239, Campbelltown 174, Parramatta 155, Dubbo Regional 100, Sydney 99, Georges River 87, Bayside 69, Camden 65, Overseas 63, Correctional settings 61, Inner West 58, Randwick 39, The Hills Shire 34, Ryde 29, Strathfield 29, Wollongong 25, Sutherland Shire 25, Canada Bay 19, Northern Beaches 19, Central Coast 17, Hawkesbury 16, Bourke 14, Waverley 14, Wollondilly 14, Blue Mountains 13, Hornsby 12, Central Darling 11, Shellharbour 10, Bathurst Regional 10, Lane Cove 8, Lake Macquarie 7, Woollahra 6, Orange 5, Willoughby 5, Parkes 4, Hunters Hill 4, Burwood 4, Newcastle 4, Narromine 3, Brewarrina 3, Port Stephens 3, Broken Hill 3, Wingecarribee 2, Blayney 2, Mid-Western Regional 2, Forbes 1, North Sydney 1, Ku-ring-gai 1, Queanbeyan-Palerang Regional 1, Mosman 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!)
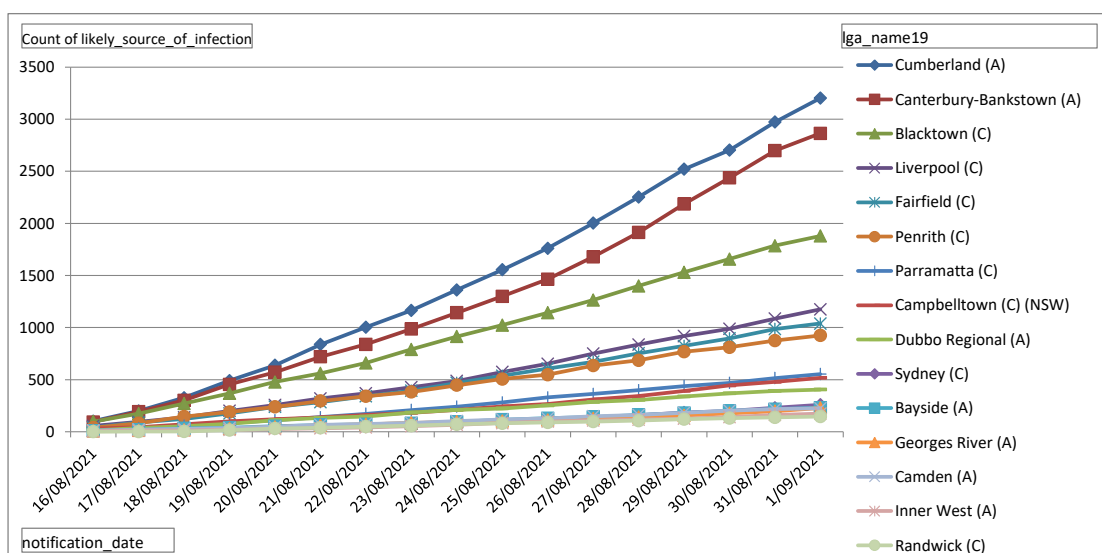
- *Cumberland and Canterbury-Bankstown are increasing caseload at the same rate (more than 50% than Blacktown)*

TOP-10 NSW LGAs with highest new cases proportional to their population for last 4 days
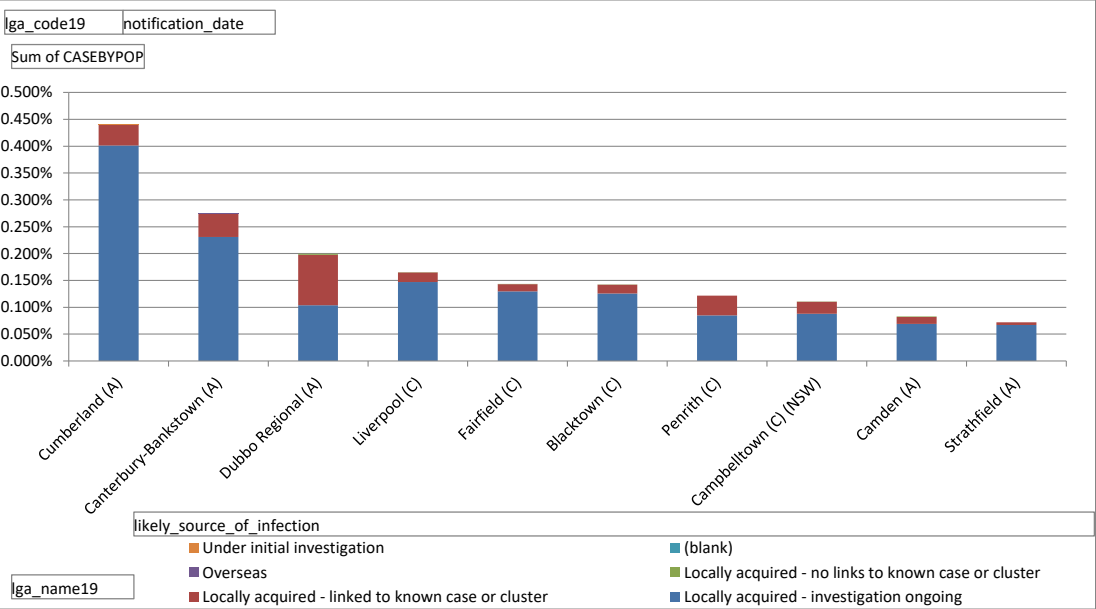
- Cumberland again has the highest volume of new cases proportional to their population; also the highest number of cases

SHOALHAVEN Cases
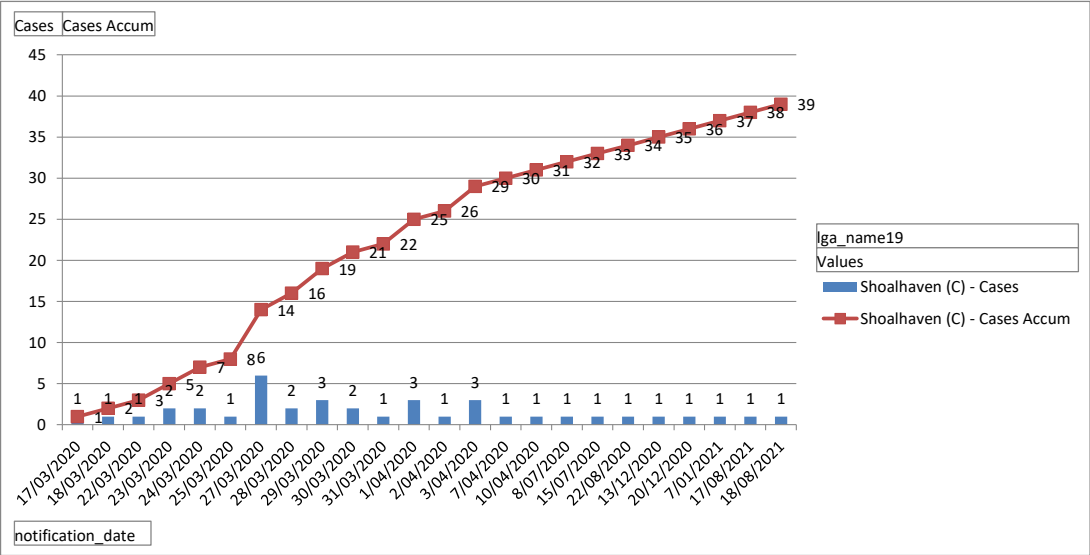
- 2 new cases reported in the Shoalhaven LGA (17th and 18th Aug) - Both cases are Overseas Acquired (not local)
- *During the last 4 days, new cases were reported in: Wollongong, Shellharbour, Wingecarribee.*

Cases last 4 days by Date, Post Code and Source of Infection in Shoalhaven or near LGAs

Count of likely_source_of_infection			Locally acquired - investigation ongoing	Locally acquired - linked to known case or cluster	Grand Total
Shellharbour (C)	29/08/2021	2528		1	1
	30/08/2021	2528		1	1
	31/08/2021	2527	1		1
		2528	1		1
	1/09/2021	2528	3	1	4
		2529	1	1	2
Shellharbour (C) Total			6	4	10
Wingecarribee (A)	30/08/2021	2576	1		1
	31/08/2021	2575		1	1
Wingecarribee (A) Total			1	1	2
Wollongong (C)	29/08/2021	2500		1	1
		2518	1		1
	30/08/2021	2518	1		1
		2526	1		1
	31/08/2021	2500	2	3	5
		2502		2	2
		2517	1		1
		2518		1	1
	1/09/2021	2500	1		1
		2502	2	2	4

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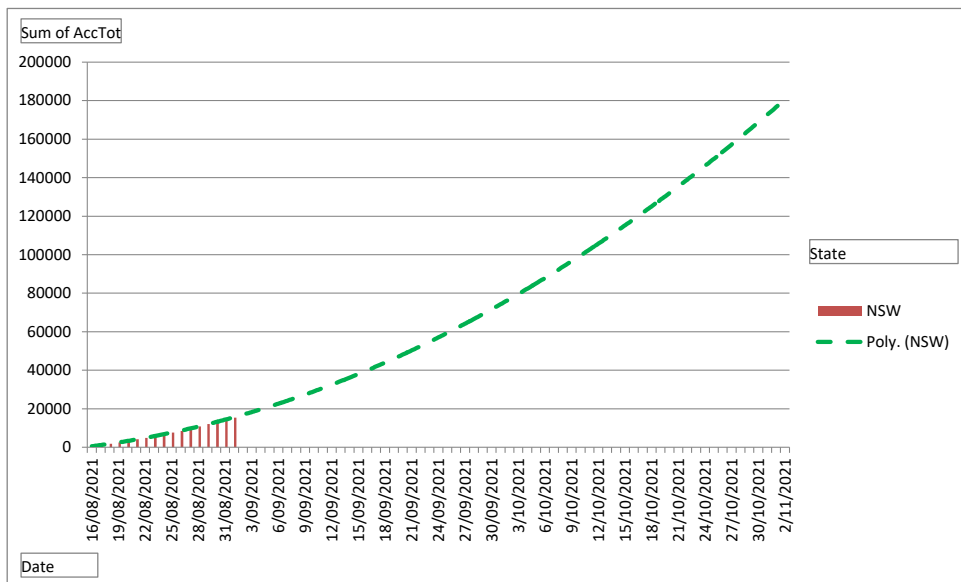

- *If the trend of new cases continue, we could end up around 12 times the number of current cases by 31st October - About 2 weeks before we achieve Herd Immunity from Vaccination in NSW (80%)*
- *It is critical that we contain the outbreak and reduce the daily number of new cases immediately to avoid this, 12 times the ICU beds is a lot more than the ICU bed capacity in NSW -- that could cause 12 times the number of deaths as well*

Comparison of impact to Greater Sydney vs. Regional/Rural NSW - Daily Case Volumes
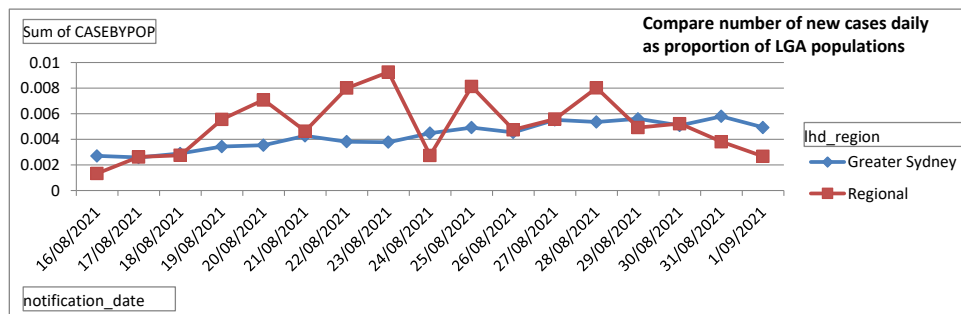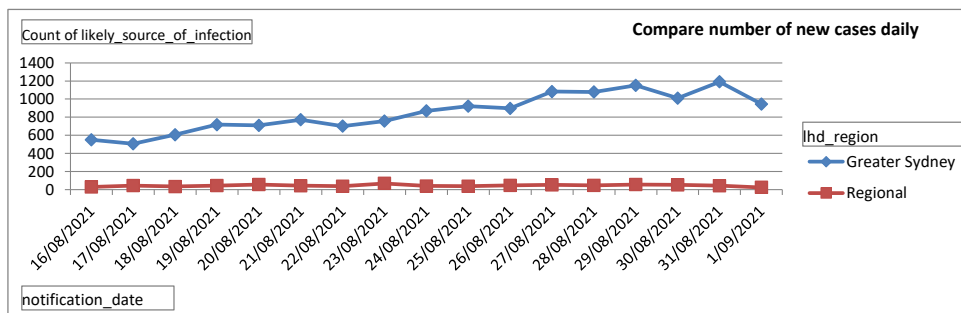
- *First chart shows the case number comparison of daily new cases in Greater Sydney vs. Regional/Rural NSW - The second chart shows the same daily case numbers but expressed as a percentage of the population of the LGAs in that region*
- *Looks as if Reg/Rural NSW is lowern cases per population - this could be a good sign*

Comparison of impact to Greater Sydney vs. Regional/Rural NSW - Accum Case Volume
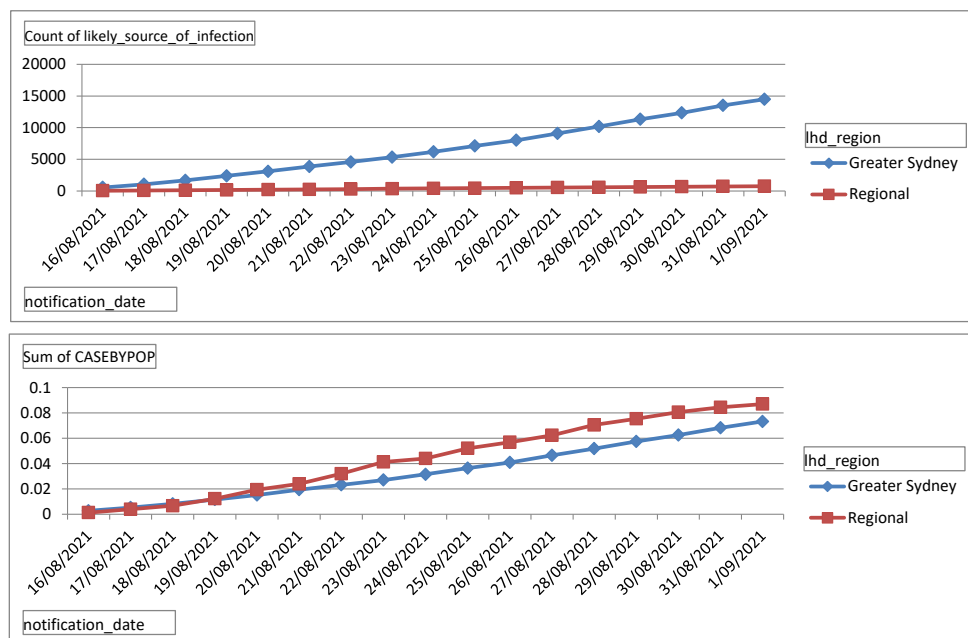
- *First chart shows the accummulated total number of cases comparing Greater Sydney vs. Regional/Rural NSW.*
  The second chart shows the same accummulated totals but as a percentage of the population of the LGAs in that region
- *Reg/Rural NSW has a higher number of cases proportional to their population than Greater Sydney from 16th Aug*
  however Greater Sydney is on arithmetic growth pattern (line) while Reg/Rural NSW could be flattening the curve

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

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

Week Ending	Estimated	Est %	Actual	Act %	Diffs	70%	80%
2-Aug-21	3,932,108	24%	3,932,108	24%			
9-Aug-21	4,449,056	27%	4,449,056	27%	516,948		
16-Aug-21	5,069,640	31%	5,069,640	31%	620,584		
23-Aug-21	5,951,886	36%	5,951,886	36%	882,246		
30-Aug-21	6,794,474	42%	6,794,474	42%	842,588		
6-Sep-21	7,510,066	46%					
13-Sep-21	8,225,657	50%					
20-Sep-21	8,941,249	55%					
27-Sep-21	9,656,840	59%					
4-Oct-21	10,372,432	64%					
11-Oct-21	11,088,023	68%					
18-Oct-21	11,803,615	72%				70%	
25-Oct-21	12,519,206	77%					
1-Nov-21	13,234,798	81%					80%
8-Nov-21	13,950,389	85%					
15-Nov-21	14,665,981	90%					
22-Nov-21	15,381,572	94%					

- *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 !!