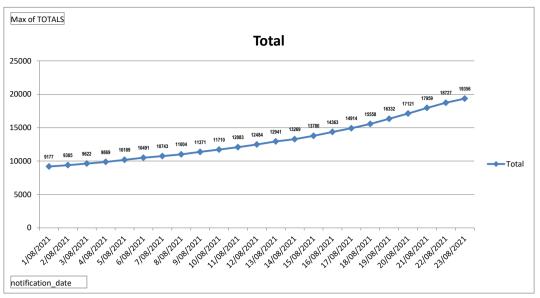
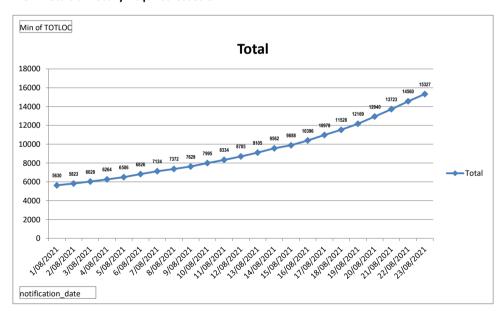
# NSW COVID-19 Total Locally Overseas Deaths Total (from 25-Jan-20) 19356 15860 3496 130 Outbreak from 16-Jun-21 13924 13765 159 74

## **NSW Total Cases**



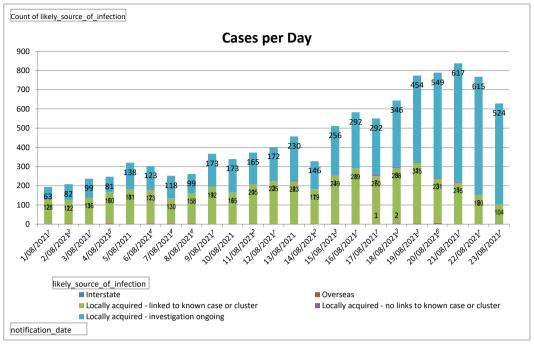
- NSW cases continue to climb, mostly locally transmitted
- · Reports updated to show data from 1st August to the present

## **NSW Totals of Locally Acquired Cases ONLY**



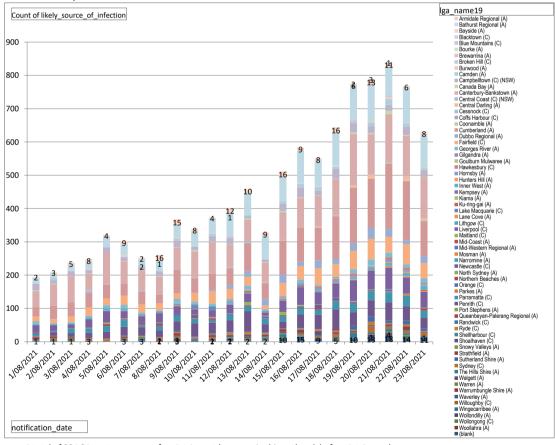
- The current outbreak started on 16th June and has increased daily, and so far continues to grow
- Total number of cases reported yesterday was 755 but only 629 of those were included in the NSW Health data file.

### **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**

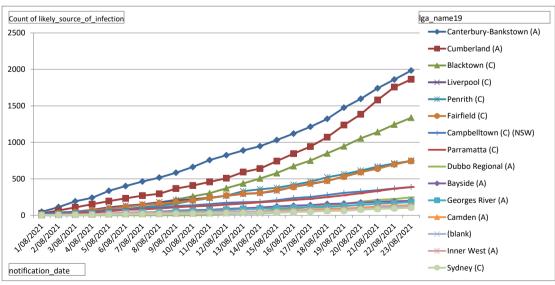


- A total of 28 LGAs got new cases after 1st August (no cases in this outbreak before 1st August)
   They are: Armidale Regional (A), Bourke (A), Brewarrina (A), Broken Hill (C), Central Darling (A), Cessnock (C), Coffs Harbour (C),
   Coonamble (A), Dubbo Regional (A), Gilgandra (A), Kempsey (A), Kiama (A), Lithgow (C), Maitland (C), Mid-Western Regional (A),
   Mosman (A), Narromine (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)

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Armidale Regional (A) Balranald (A)							2				_	_	-				-			1							_		_	_	_	1
Bathurst Regional (A)					1		_		_		_	_	$\vdash$	_			$\vdash$	_	2	3	1					_	_		-	_	_	6
Bay side (A)	2	3	5	8	4	9	2	16	15	8	4	12	10	9	16	9	8	16	6	13	11	6										192
Blacktown (C)	16		18		30		18	30		44			66	69	72	95	76			112	87											1228
Blue Mountains (C)				1	-	1		-		1		3	-00	2		1		00	1	1	5	-00										16
Bourke (A)				·		_				_		Ť		-	1	1	1	2	_	_	2											7
Brewarrina (A)																_	Ė	_	2		2	-										4
Broken Hill (C)																1			-	1	1	1										4
Burwood (A)		1		2		3			2		2	1				1	2	1	1	4	3	2										25
Camden (A)	2	8	2	2	3	2	4	3	5	1	8	4	4	2	7	11	10	8	8	11	17	9										131
Campbelltown (C) (NSW)	20	11	15	10		12			20	10	16	19	6	7	22	29	14	28	28	21	18	22										368
Canada Bay (A)	2	2	10	1	10	1	1	2	1	4	2	1	5	2	4	2	1	1	5	4	11	2										54
Canterbury -Bankstow n (A)	49	64	79	49	94	66	62	54	66	79	95	67	65	58	85	89	93	109	153		146					_	_		-	_	_	1854
Central Coast (C) (NSW)	73	07	13	8	1	00	3	54	00	2	33	3	4	3	1	03	1	3	1	1	140	2										33
Central Darling (A)					H-		,			-		,	_	,	_		3	1	5	10		-				_		_		_	_	19
Cessnock (C)					1		_						1				3	_	3	10	2	1				_		_		_	_	4
Cobar (A)													-				-			-	1	_					_				_	1
Coffs Harbour (C)								-1					-				-			-	1						_				_	2
		_	-	-	-	_	-		$\vdash$	_	_	_	$\vdash$	$\vdash$			$\vdash$	$\vdash$		-	1	4				-	-	-	-	-	-	2
Coonamble (A)	27	40	42	44	40	27	20	25	70	40	40	E4	0.4	40	101	102	00	120	100	140		146				-	-	-	-	-	-	172
Cumberland (A)	27	40	42	44	42	37	38	25	72	42	49	51	84	48	101	103	98	129	166		193	146			_	_	<b>—</b>	$\vdash$	Η-	<u> </u>	⊢	
Dubbo Regional (A)	15	42	47	25	200	27	~	24	10			11	17	19	26	13	23	16	24	33	24	9			_	_	<b>—</b>	$\vdash$	Η-	<u> </u>	⊢	220
Fairfield (C)	15	13	17	25	20	27	24	21	16	26	37	30	26	11	38	41	49	38	54	61	49	49				_	<u> </u>	$\vdash$	Ь—	<u> </u>	<u> </u>	687
Georges River (A)	8	2	3	4	10	11	4	3	13	5	6	6	12	4	4	9	4	6	12	18	13	12				_	<u> </u>	$\vdash$	Ь—	<u> </u>	<u> </u>	169
Gilgandra (A)																1		1	1													3
Goulburn Mulwaree (A)		_	_	_	<b>└</b>	_	<u> </u>		Щ	Ļ	<u> </u>	L_	L,	Щ	ابيا		1	Щ	اب	2	_	Щ	ш			_	<u> </u>	ш	$\vdash$	<u> </u>	<u> </u>	3
Hawkesbury (C)					_				Щ.	1		3	1		3	1	9	5	8	2	8	7										48
Hornsby (A)									1						1			5	4	1	6	4										22
Hunters Hill (A)													1								3	3										7
Inner West (A)	4	4	4	6	7	7	4	2	3	4	2	4	3	2	2	6	6	2	5	7	8	4										96
Kempsey (A)																	1		1													2
Kiama (A)																			1		1											2
Ku-ring-gai (A)						1	1	1	1	1			4	1	2	4		1		1	2											20
Lake Macquarie (C)					1		1	2	2	11	11	2	2	2	2	2	2			2		1										43
Lane Cove (A)							1		2	1		1	1	1	1				1	1	3	3										16
Lithgow (C)												2									1											3
Liverpool (C)	22	17	11	26	35	22	18	29	24	17	21	26	26	10	34	52	37	42	64	55	64	38										690
Maitland (C)				1	3	2		2		1	3	1	9	1	10	3	1		1	1												39
Mid-Coast (A)										1																						1
Mid-Western Regional (A)														2		1		4														7
Narromine (A)														_		2			1		1	-										4
New castle (C)					1	3	6	5	4	8	3	3	2	4	3	3	11	5	1	1	3	-										66
North Sydney (A)					i i	_	Ť	_	·	1	Ť	Ť	_	_	_			_	_	_												1
Northern Beaches (A)	2		1	1	6		3	4		1	4		2	1	1	2	4	3	2	2	1											40
Orange (C)			_	_	-		,	7	_	_	_	_	_	1	_		_	,	3	1	2	1				_	_		-	_	_	8
Parkes (A)														_					J	_	1	_										1
Parramatta (C)	8	3	15	13	17	20	6	12	17	13	7	16	15	16	15	18	15	24	25	27	32	23				-	-	-	-	-	-	357
Penrith (C)	2	11	10	16	21	27	26	20	28	41	32	36	61	26	20	41	43	61	40	49	56	43				_		_		_	_	710
		- 11	10	10	21	21	20	1	20	41	1	1	01	3	20	41	43	01	40	43	50	43				_	_	_		_	_	8
Port Stephens (A)		_	-	-	-	_	-		$\vdash$	_	_	_	$\vdash$	٦			$\vdash$	•		-		-				-	-	-	-	_	-	2
Queanbey an-Palerang Region		_	-	-	<del>                                     </del>	1	<del>                                     </del>	1	5	1	3	2	$\vdash$	1	1	1	1	2	12	15	7	9	$\vdash$	$\vdash$	-	_	<u> </u>	$\vdash$	$\vdash$	<del>                                     </del>	<del>                                     </del>	62
Randwick (C)	1	1	-	1	3	1	_	6	4		2	5	-	1	2			4	3	10	4	6			_	_	<b>—</b>		Η-	<u> </u>	⊢	69
Ryde (C)			-	_	3			0	4	3		5	6	щ		2	2	4	3	10	4	О	$\vdash$	$\vdash$	-	_	<u> </u>	$\vdash$	$\vdash$	<del>                                     </del>	<del>                                     </del>	8
Shellharbour (C)		_	_	_	-	_	<u> </u>	_	$\vdash$	1	<u> </u>	<u> </u>	3	$\vdash$		2		Ь,		Ļ		$\vdash$				_	<u> </u>	$\vdash$	Ь—	<u> </u>	<u> </u>	
Shoalhaven (C)		٠,	_	_	-	_	<u> </u>	_	$\vdash$		<u> </u>	<u> </u>	$\vdash$	$\vdash$			1	1		1		$\vdash$				_	<u> </u>	$\vdash$	Ь—	<u> </u>	<u> </u>	3
Snowy Valleys (A)		1	_	<u> </u>	<b>⊢</b>	L_	L.	٠.	Щ	Ļ	L_	L_	닏	Щ		_	Щ	Щ	ابيا	ليا	_	ليا	ш			_	<u> </u>	ш	$\vdash$	<u> </u>	<u> </u>	1
Strathfield (A)	7	5	3	2	<u> </u>	3	1	1	7	1	5	3	6	5	7	8	7	5	3	2	4	9				_	<u> </u>	ш	Ь	<u> </u>	<u> </u>	94
Sutherland Shire (A)	1	2		1		2	2	1	2	3	1	4	4	3	4	3	7	1	3	2	3	2										51
Sydney (C)	1	3	1	3	4	4	1		5	1	4	3	4	3	3	5	5	9	2	17	8	6										92
The Hills Shire (A)	2	1	4	1	1	2	5		2	1	3	4	4	5	9	2	1	3	13	6	7	6										82
Walgett (A)											1	3								1												5
Warren (A)														1	4			3			3	2										13
Warrumbungle Shire (A)																				1												1
Naverley (A)	1	2			1	1	2	1	3	4	1	1	1	1			2	1	1	1	5											29
Wentworth (A)																			1			2										3
Willoughby (C)	1	2	3			1										1	1					$\vdash$										9
Wingecarribee (A)		_	Ť		1	Ė	<u> </u>		$\vdash$		<b>—</b>	<b>—</b>	$\vdash$	$\vdash$		1	m	$\vdash$	1			т					<b>—</b>			<u> </u>	<b>—</b>	2
Wollondilly (A)					t						1		$\vdash$	1		Ė	$\vdash$	1		5		$\vdash$									<b>—</b>	8
Wollongong (C)			3	_	<del>                                     </del>		Ι		$\vdash$		H-	<b>—</b>	$\vdash$	H		1	$\vdash$	Η-		Ĭ		1				_	<b>—</b>		-	Ι	<b>—</b>	6
Woollahra (A)			J	_	<del>                                     </del>		Ι	2	3		1	1	$\vdash$	Η-			$\vdash$	$\vdash$		1	4	$\vdash$				_	<b>—</b>		-	Ι	<b>—</b>	12
(blank)	1	1	1	3	<del>                                     </del>	3	3	1	3		2	3	2	2	11	17	9	5	14	14	18	10				_	<b>—</b>		-	<del>                                     </del>	<b>—</b>	123
Total		208	237		320			261		339		401		328			551		775	791			$\vdash$	$\vdash$	-	_	<u> </u>	$\vdash$	$\vdash$	<del>                                     </del>	<b>—</b>	962
																																1902

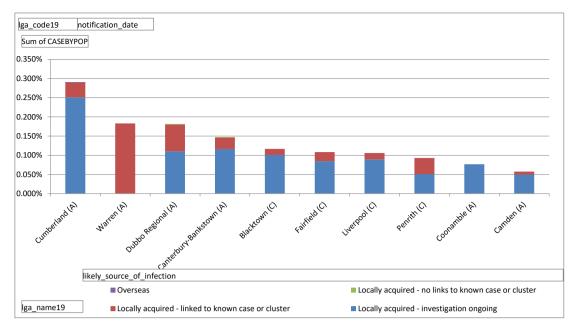
- Cases reported last 4 days from: Cumberland 626, Canterbury-Bankstown 510, Blacktown 392, Liverpool 216, Fairfield 215, Penrith 182, Parramatta 112, Dubbo Regional 91, Campbelltown 82, Overseas 56, Georges River 55, Camden 45, Sydney 42, Randwick 40, Inner West 38, Bayside 38, Central Darling 27, The Hills Shire 23, Ryde 22, Hawkesbury 21, Strathfield 18, Canada Bay 18, Hornsby 14, Lane Cove 10, Burwood 9, Sutherland Shire 9, Northern Beaches 8, Blue Mountains 8, Waverley 7, Hunters Hill 7, Woollahra 6, Ku-ring-gai 6, Central Coast 6, Parkes 6, Wollondilly 5, Bourke 5, Newcastle 5, Warren 5, Orange 4, Wollongong 4, Bathurst Regional 4, Lake Macquarie 3, Broken Hill 3, Cessnock 3, Coonamble 3, Goulburn Mulwaree 2, Gilgandra 2, Narromine 2, Shoalhaven 1, Walgett 1, Warrumbungle Shire 1, Brewarrina 1, Mosman 1, Kiama 1, Lithgow 1, Maitland 1, Mid-Western Regional 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!)



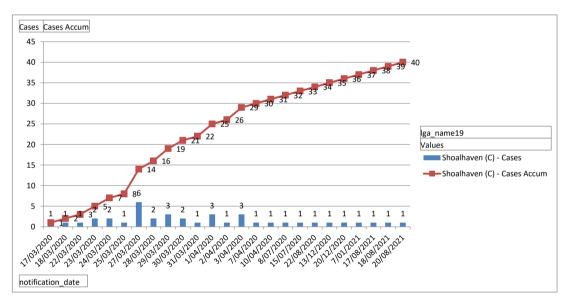
• Canterbury-Bankstown and Cumberland are increasing caseload at the same rate (more than 25% than Blacktown)

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 !!

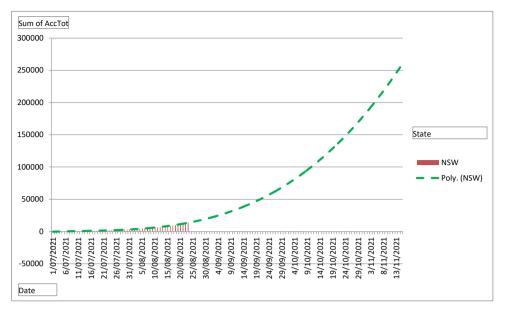
Shoalhaven (C)

During the last 4 days, new cases were reported in: Wollongong, Kiama.

lga\_name19

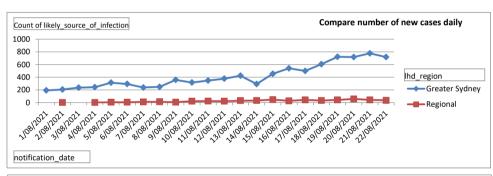
Count of likely_source_of_infection			
		Locally acquired - linked to known case or cluster	Overseas
17/08/2021	2541		1
18/08/2021	2541		1
20/08/2021	2540	1	

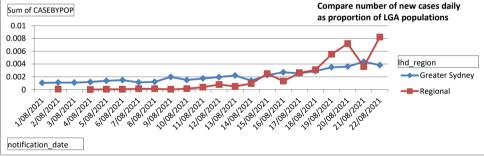
### PROJECTIONS of Cases using current Trend to 15th Nov (target Herd Immunity from Vaccination)



- 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!</li>

## 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				

<sup>•</sup> 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!!