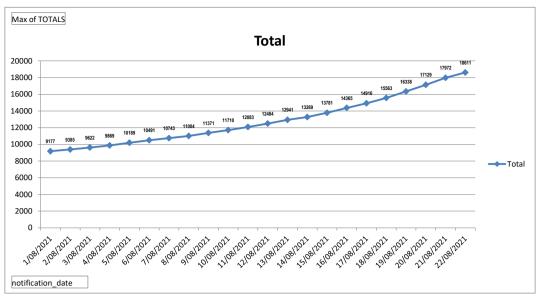
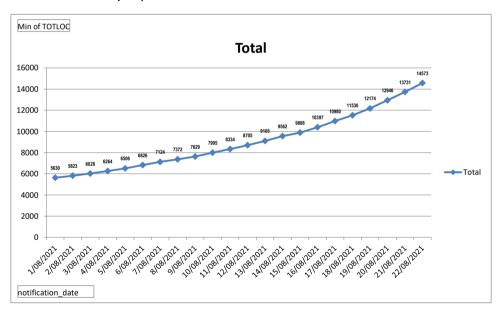
# NSW COVID-19 Total Locally Overseas Deaths Total (from 25-Jan-20) 18611 15117 3494 130 Outbreak from 16-Jun-21 13179 13022 157 74

## **NSW Total Cases**



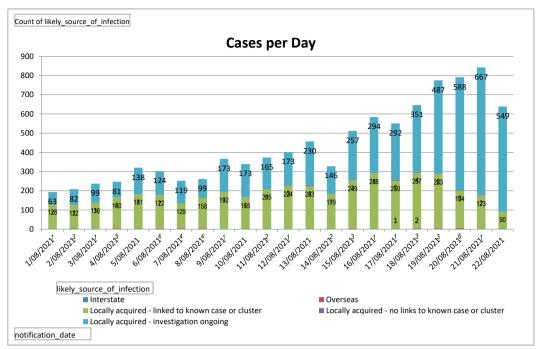
- NSW cases continue to climb, mostly locally transmitted
- · Reports updated to show data from 1st August to the present

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



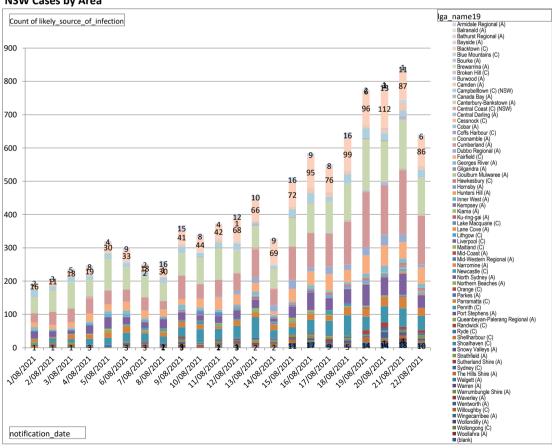
- The current outbreak started on 16th June and has increased daily, and so far continues to grow
- Total number of cases reported yesterday was 818 but only 639 of those were included in the NSW Health data file.

#### **NSW Cases by Day**



- A total of 3048 new cases in the last 4 days.
- From the 3048, only 10 cases overseas acquired with 3038 locally acquired (100%) 2291 from unknown sources (investigated)
- 2291 Number of cases with unknown sources is too high now

#### **NSW Cases by Area**

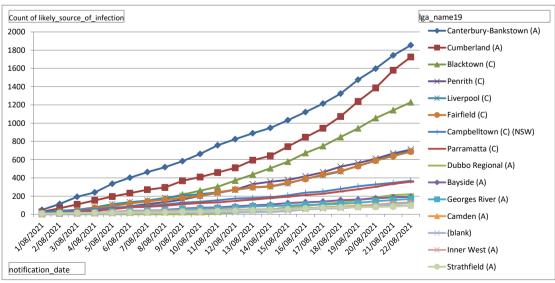


- A total of 27 LGAs got new cases after 1st August (no cases in this outbreak before 1st August)
   They are: Armidale Regional (A), Balranald (A), Bourke (A), Brewarrina (A), Broken Hill (C), Central Darling (A), Cessnock (C), Cobar (A), Coffs Harbour (C), Coonamble (A), Dubbo Regional (A), Gilgandra (A), Kempsey (A), Kiama (A), Lithgow (C), Maitland (C), Mid-Western Regional (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), Wentworth (A).
- 4 LGAs with new cases in the last 3 days: Balranald (A), Cobar (A), Coonamble (A), Parkes (A), Warrumbungle Shire (A)

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Balranald (A)															ш					1								Щ.			<u> </u>	1
Bathurst Regional (A)	_	_	<u> </u>	L_	<u> </u>	_	_		٠.	_				Ļ	$\sqcup$	_	_		2	3	1	_				_		Ь—	ш	ш	Ь—	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						╙	ሥ	ш	⊢	192
Blacktown (C)	16	11	18		30	33	18	30	41		42	68	66	69	72		76	99		112	87	86				_		₩	₩	ሥ	₩	1228
Blue Mountains (C)	_		_	1		1		_	_	1		3	_	2	1	1	1	2	1	1	5					_		₩	₩	ሥ	₩	16 7
Bourke (A) Brewarrina (A)	_		_	-				_	_	_		_	-	_	-	_	_		2	_	2			_		_		_	$\vdash$	$\vdash$	_	4
Broken Hill (C)				1						_			_		$\vdash$	1	_			1	1	1						<del>                                     </del>	$\vdash$	$\vdash$	┢	4
Burwood (A)	_	1	_	2	1	3		_	2	_	2	1	-	_	$\vdash$	1	2	1	1	4	3	2		$\vdash$		_		<del></del>	$\vdash$	$\vdash$	<del></del>	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						_	$\vdash$	-	-	131
Campbelltown (C) (NSW)	20	11	15	10		12	10	14	20	10	16	19	6	7	22	29	14	28	28	21	18	22						_	$\vdash$	$\vdash$	<b>—</b>	368
Canada Bay (A)	2	2		1		1	1	2	1	4	2	1	5	2	4	2	1	1	5	4	11	2								т		54
Canterbury -Bankstown (A)		64	79	49	94	66	62	54	66	79		67	65	58	85	89	93	109	153		146									т		1854
Central Coast (C) (NSW)				8	1		3			2		3	4	3	1		1	3	1	1		2										33
Central Darling (A)																	3	1	5	10												19
Cessnock (C)	777775								777775				1								2	1										4
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Coffs Harbour (C)								1							ш						1							Ш.			Ш.	2
Coonamble (A)															ш						1	1						<u> </u>			<u> </u>	2
Cumberland (A)	27	40	42	44	42	37	38	25	72	42	49	51	84	48		103	98	129			193	146				_		Ь—	لسا	┷	Ь—	1725
Dubbo Regional (A)	45	40		0.5	00	0-	0.4		40	1	4	11	17	19	26	13	23	16	24	33	24	9		$\vdash$		_		⊢	ሥ	₩.	⊢	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		$\vdash$		_		⊢	ሥ	₩.	⊢	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		$\vdash$	_	_			ሥ	₩	⊢	169 3
Gilgandra (A) Goulburn Mulwaree (A)	-		_	₩	₩	_	_	-	-	<u> </u>	_	-	Н	щ	$\vdash$	1	1	1	1	2	-	Н		$\vdash$	_	_			ሥ	₩	⊢	3
Hawkesbury (C)	_		_		-			_	_	1		3	1	_	3	1	9	5	8	2	8	7		_		_		_	$\vdash$	$\vdash$	_	48
Hornsby (A)	_		_		-			_	1	_		3	_	_	1	_	9	5	4	1	6	4		_		_		_	$\vdash$	$\vdash$	_	22
Hunters Hill (A)	_		-					_	_	_		_	1		$\vdash$		_	3	-	_	3	3				-		$\vdash$	$\vdash$	$\vdash$	$\vdash$	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				-		$\vdash$	$\vdash$	$\vdash$	$\vdash$	96
Kempsey (A)	7	7	7		<u> </u>	-	7		,	_	-	7	,	-	ائا	0	1	-	1	_		7						<del>                                     </del>	$\vdash$	Н	┢	2
Kiama (A)																	Ė		1		1							_	$\vdash$	$\vdash$	<b>—</b>	2
Ku-ring-gai (A)						1	1	1	1	1			4	1	2	4		1	Ė	1	2							_	$\vdash$	$\vdash$	<b>—</b>	20
Lake Macquarie (C)					1		1	2	2	11	11	2	2	2	2	2	2			2		1								т		43
Lane Cove (A)							1		2	1		1	1	1	1				1	1	3	3								т		16
Lithgow (C)												2									1											3
Liverpool (C)	22	17	11	26	35	22	18	29	24	17	21	26	26	10		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	ш	1		4										<u> </u>			<u> </u>	7
Narromine (A)					L.					_	_		_			2			1		1							Ь	ш	_	Ь	4
New castle (C)					1	3	6	5	4	8	3	3	2	4	3	3	11	5	1	1	3							Ь	ш	_	Ь	66
North Sydney (A)	_			٠.	_		_	_	_	1		_	_	Щ.	$\vdash$	_	_	_	_	_	_							╙	ሥ	ш	⊢	1
Northern Beaches (A)	2		1	1	6	_	3	4	_	1	4	_	2	1	1	2	4	3	2	2	1	_				_		₩	₩	ሥ	₩	40
Orange (C)	_		_		-			_	_	_		_	-	1	$\vdash$		_	_	3	1	1	1		_		_		_	$\vdash$	$\vdash$	_	8 1
Parkes (A) Parramatta (C)	8	3	15	13	17	20	6	12	17	13	7	16	15	16	15	18	15	24	25	27	32	23		_		-		├	$\vdash$	$\vdash$	├	357
Penrith (C)	2	11	10			27	26	20	28	41	32	36	61	26		41	43	61	40	49	56	43				-		$\vdash$	$\vdash$	$\vdash$	$\vdash$	710
Port Stephens (A)			10	10	21	21	2	1	20	7.	1	1	0.	3	20	71	70	01	70	73	30	70						-	$\vdash$	-	-	8
Queanbey an-Palerang Regi	_			1	1		_	Ė	_	_	·	Ė		_	-			2			_							$\vdash$	$\vdash$	-	$\vdash$	2
Randwick (C)						1		1	5	1	3	2		1	1	1	1	2	12	15	7	9								$\vdash$		62
Ryde (C)	1	1		1	3	1	2	6	4	3	2	5	6	1	2	2	2	4	3	10	4	6								$\vdash$		69
Shellharbour (C)										1			3			2	2															8
Shoalhav en (C)																	1	1		1												3
Snowy Valleys (A)	777775	1							777775												777775											1
Strathfield (A)	7	5	3	2		3	1	1	7	1	5	3	6	5	7	8	7	5	3	2	4	9										94
Sutherland Shire (A)	1	2		1		2	2	1	2	3	1	4	4	3	4	3	7	1	3	2	3	2						Ш.			Ш.	51
Sydney (C)	1	3	1	3	4	4	1		5	1	4	3	4	3	3	5	5	9	2	17	8	6						Щ.			<u> </u>	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						<u> </u>			<u> </u>	82
Walgett (A)											1	3						_		1	_							Ь	ш	_	Ь	5
Warren (A)	_			<b>!</b>	<b>!</b>				_	_			ш	1	4			3		_	3	2						⊢	ሥ	₩.	⊢	13
Warrumbungle Shire (A)	-	-	_	₩	1	4	_	Ι,	-	Η.	-	Ι,	H	4	$\vdash$	$\vdash$	-	-	4	1	<u> </u>	Н		$\vdash$	_	_			ሥ	₩	⊢	1
Waverley (A)	1	2	_	₩	1	1	2	1	3	4	1	1	1	1	$\vdash$	$\vdash$	2	1	1	1	5	_		$\vdash$	_	_			ሥ	₩	⊢	29
Wentworth (A)	1	2	2	+	$\vdash$	1	_	-	<b>—</b>	<b>—</b>	_	-	$\vdash$	$\vdash$	$\vdash$	1	1	$\vdash$	1	$\vdash$	<b>—</b>	2	-	$\vdash$		$\vdash$		$\vdash$	₩	-	$\vdash$	3 9
Willoughby (C)	1	2	3	₩	₩	1	_	-	-	Ь—	_	-	Н	щ	$\vdash$	1	1	$\vdash$	1	$\vdash$	-	Н		$\vdash$	_	_			ሥ	₩	⊢	2
Wingecarribee (A) Wollondilly (A)	<del>                                     </del>	_	1	<del>                                     </del>	<del>                                     </del>	-	_	<u> </u>	<del>                                     </del>	$\vdash$	-1	<u> </u>	$\vdash$	1	$\vdash$	-	$\vdash$	-1		5	<del>                                     </del>	$\vdash$		$\vdash$	-	1	_	$\vdash$	$\vdash$	$\vdash$	$\vdash$	8
Wollongong (C)			3	t	H					$\vdash$	_		$\vdash$	÷	$\vdash$	1	$\vdash$	<del>-</del>		٦		1		$\vdash$				╁	$\vdash$	$\vdash$	⊢	6
			J	t	H			2	3	$\vdash$	1	1	$\vdash$	H	$\vdash$	-	$\vdash$			1	4	-		$\vdash$				╁	$\vdash$	$\vdash$	⊢	12
Woollahra (A)							_	-		-	-	_	_				_	_		٠.			_				_				_	
Woollahra (A) (blank)	1	1	1	3		3	3	1	- 3		- '	- 3	2	2	11	17	9	5				10				ı				_		
Woollahra (A) (blank) Total		1 208		3 247	320	302		1 261	3 367	339	373	3 401	2 457	2 328	11 512	17 584	9 551	5 647	14 775	14 791	18 843	10 639						_		H	<del>                                     </del>	123 9628

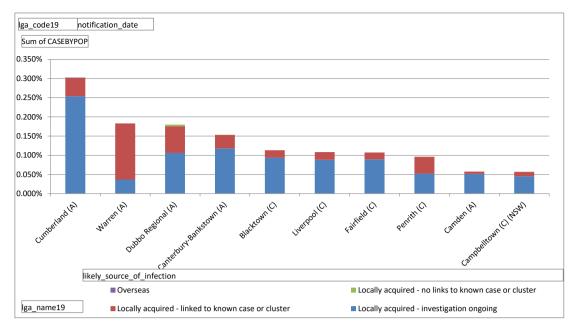
- Cases reported last 4 days from: Cumberland 653, Canterbury-Bankstown 531, Blacktown 381, Liverpool 221, Fairfield 213, Penrith 188, Parramatta 107, Dubbo Regional 90, Campbelltown 89, Overseas 56, Georges River 55, Camden 45, Randwick 43, Bayside 36, Sydney 33, The Hills Shire 32, Hawkesbury 25, Inner West 24, Ryde 23, Canada Bay 22, Strathfield 18, Hornsby 15, Central Darling 15, Burwood 10, Sutherland Shire 10, Lane Cove 8, Waverley 7, Orange 7, Blue Mountains 7, Bathurst Regional 6, Hunters Hill 6, Wollondilly 5, Warren 5, Woollahra 5, Newcastle 5, Northern Beaches 5, Brewarrina 4, Central Coast 4, Broken Hill 3, Cessnock 3, Wentworth 3, Ku-ring-gai 3, Lake Macquarie 3, Maitland 2, Kiama 2, Goulburn Mulwaree 2, Coonamble 2, Bourke 2, Narromine 2, Gilgandra 1, Cobar 1, Kempsey 1, Lithgow 1, Coffs Harbour 1, Parkes 1, Wingecarribee 1, Shoalhaven 1, Balranald 1, Walgett 1, Wollongong 1, Warrumbungle Shire 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!)



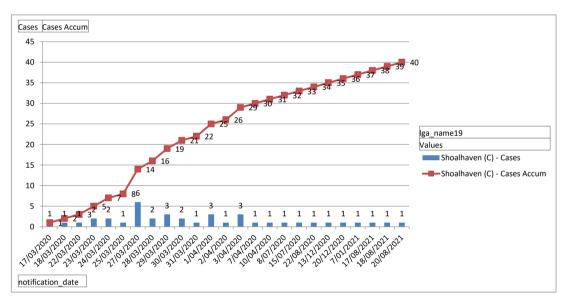
Canterbury-Bankstown, Cumberland, Blacktown, Penrith, Liverpool and Fairfield continue to grow their caseloads

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



• Cumberland, Warren and Dubbo Regional continue to have the highest numbers of new cases per population last 4 days

#### **SHOALHAVEN Cases**

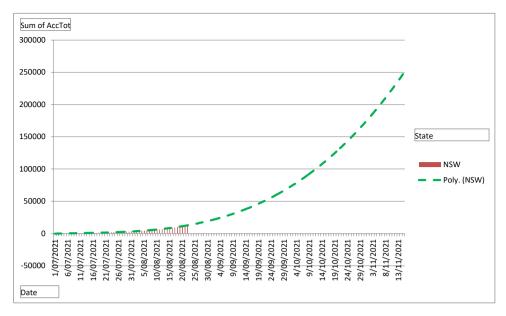


- 2 new cases reported in the Shoalhaven LGA (17th and 18th Aug) Both cases are Overseas Acquired (not local)
- 1 new case reported in the Shoalhaven LGA yesterday (20th Aug) Locally acquired !!! ALARMS ON GUYS !!
- During the last 4 days, new cases were reported in: Wollongong, Wingecarribee, Kiama.

Shoalhaven (C)

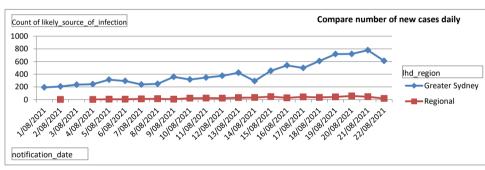
Count of likely_source_of_infection			
		Locally acquired - linked to known case or cluster	Overseas
17/08/2021	2541		1
18/08/2021	2541		1
20/08/2021	2540	1	

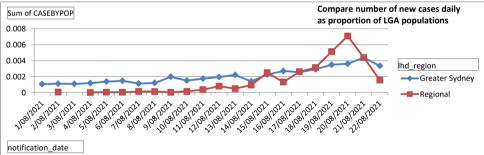
#### PROJECTIONS of Cases using current Trend to 15th Nov (target Herd Immunity from Vaccination)



- 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!</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
- There is a small decrease trend already 2 days in a row in Regional/Rural NSW It's a great sign !!!

## 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!!