

Informing public health service delivery COVID-19 and Influenza case and vaccination linkage

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Maternal Pertussis Vaccination, Infant Immunization, and Risk of Pertussis

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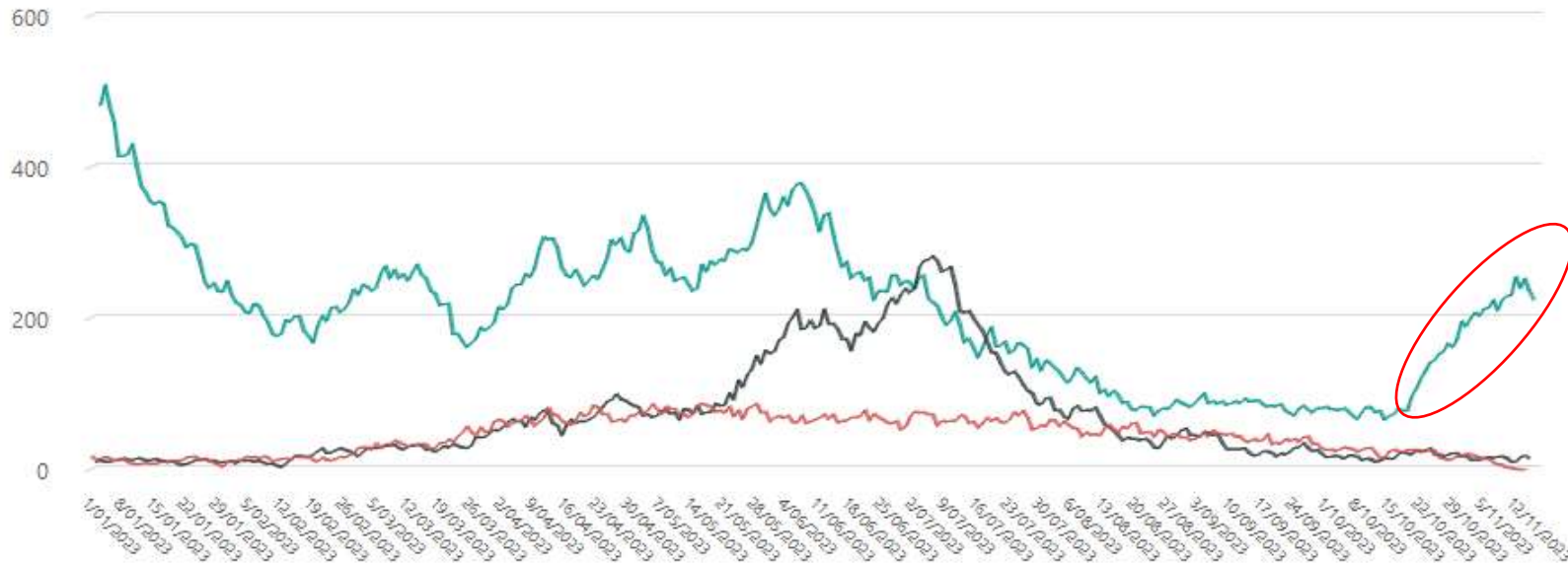
- ❖ vaccination in pregnancy prevents pertussis in early infancy
 - VE 76% (64%,84%) against pertussis in first 6 months of life in Queensland
 - 297K births: most (194K) were in Qld from aug2014 - end 2017; 75K births in WA; 10K in NT
 - 124 infants had pertussis in the first 6 months of life



ARI bed occupancy rapid risk assessment executed at 15nov2023 6:30:10 AM

Total Trend

Covid Patient Count Influenza Patient Count RSV Patient Count



Combined Trend ePADT with NoCS Covid-19 / Influenza / RSV Notifications



Daily influenza cases

Data extracted at 1 September 2023

1. The peak influenza season, including influenza B, has ended. However, influenza continues to circulate in the community
2. 21,457 people have been diagnosed with influenza since 1 July 2023 across Queensland, including 121 infants under 6 months
3. Getting an influenza vaccine in pregnancy is the best protection for infants under 6 months
4. Influenza vaccines are well matched to the influenza strains currently circulating in Queensland
5. 30% of Queenslanders have been vaccinated against influenza with over 141,000 doses given in Queensland to Queenslanders since 17 July (last update 29 August)

Table 1: Rolling 7-day summary of influenza among Queensland residents by age group since 1 July 2023

Age group	Influenza B		Influenza Total		Summary since 1 July 2023				Current hosp. bed occupancy
	Recent Week	Previous Week	Recent Week	Previous Week	Notifications	% cases vaccd.	Hospitalised	ICU admission	
<6mths	3	2	4	4	121	0%	34	not shown	0
6mths-4yrs	61	102	83	139	2230	3%	218	not shown	4
5-17yrs	337	425	402	501	6956	3%	251	not shown	9
18-49yrs	331	412	463	560	8712	6%	484	not shown	7
50-64yrs	46	29	100	91	1908	13%	217	not shown	5
65+yrs	24	22	105	86	1530	23%	411	not shown	18
Total	802	992	1157	1381	21457	7%	1615	23	43

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