

Childhood Immunisation Coverage South Eastern Sydney Local Health District, Third Quarter 2023

1. Introduction

This report provides an overview of the latest childhood immunisation coverage for children living within the boundaries of South Eastern Sydney Local Health District (SESLHD), based on immunisation encounters for children reported by providers to the Australian Immunisation Register (AIR).

It summarises the percentage of children reported as 'fully immunised' for age in the three age cohorts routinely used to monitor childhood vaccinations across the Australian population: 12 to less than 15 months of age; 24 to less than 27 months of age; and 60 to less than 63 months of age. Information is provided for South Eastern Sydney residents by age group, local government area (LGA) and quarter. We continue reporting based on pre-amalgamation LGA boundaries (prior to 2016) as these smaller areas allow for easier identification of any long-term low vaccination coverage.

The data in this report comes from the AIR, a national register administered by Australian Department of Human Services that records vaccinations given to people of all ages in Australia. People who are enrolled in Medicare are automatically included on the Register and are thereby included in this report, even if they have never been vaccinated or their vaccinations have never been reported to the Register. People who are not eligible for Medicare can nonetheless be added to the Register when details of a vaccination are received from an immunisation provider.

It is important to note that coverage data reported by the AIR may underestimate immunisation rates.¹ This is because it relies on reports from immunisation providers, and this data may not be recorded or transmitted correctly, or on time, for various reasons. The report includes records of vaccination reported to the AIR as of 30 September 2023.

In addition, quarterly cohorts at LGA level vary in size from approximately 100 to over 700 children, so that random effects in small populations may lead to wide fluctuations in calculated coverage rates from one quarter to the next. These factors should be taken into account when interpreting the information in this report, especially in relation to short term trends.

Other sources of coverage data:

- Trends for individual LHDs can be found on the NSW Ministry of Health website at <https://www.health.nsw.gov.au/immunisation/Pages/coverage-by-lhd.aspx>
- Coverage data by Primary Health Network is available on the Australian Institute of Health and Welfare website at <https://www.aihw.gov.au/reports-data/indicators/healthy-community-indicators>

Summary:

As at 30 September 2023:

- 92.6% of SESLHD children were considered fully vaccinated at 12 months
- 91.3% of SESLHD children were considered fully vaccinated at 2 years
- 92.7% of SESLHD children were considered fully vaccinated at 5 years

Decreases in childhood immunisation coverage rates have been noted recently across a number of cohorts in states and territories nationally, thought to be related to disruptions related to the pandemic.

1. Law C, McGuire R, Ferson MJ, et al on behalf of the NSW Public Health Network AIR Study Group. Children overdue for immunisation: a question of coverage or reporting? An audit of the Australian Immunisation Register. Aust NZ J Public Health 2019; Online; doi:10.1111/1753-6405.12891

2. Immunisation coverage at one year (12 to less than 15 months of age)

In the third quarter of 2023, 92.6% of the 2,338 District residents in this age cohort were considered fully vaccinated. The coverage among children of this age group is lower than the last quarter (92.9%) and the NSW coverage level (93.2%).

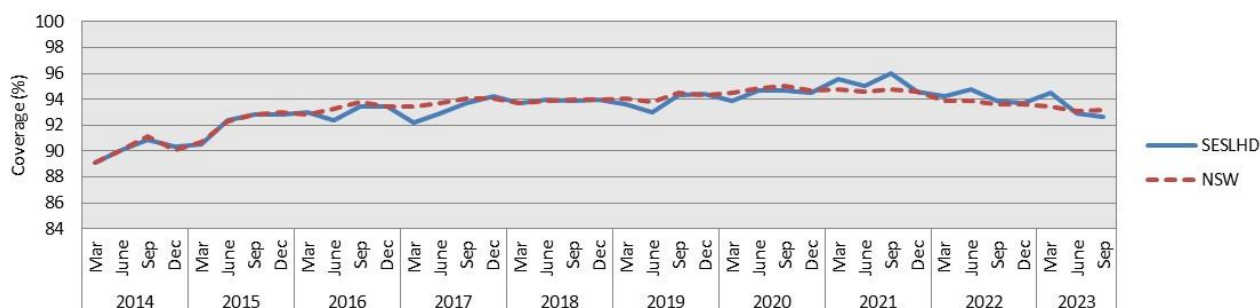
In the latest quarter, the lowest coverage was reported in Botany Bay LGA, with 87.0% of 177 registered children recorded as having received all recommended vaccines, whilst the highest coverage was reported in Hurstville LGA with 95.9% of 193 children fully vaccinated.

AIR based coverage at 12 to less than 15 months of age, by quarter and LGA, SESLHD

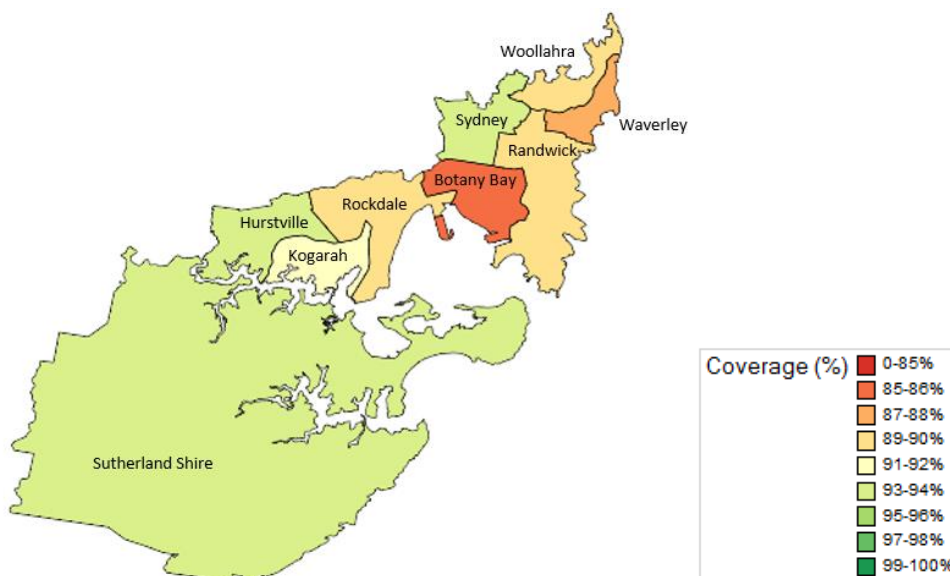
Local Government Area (LGA)	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Botany Bay ²	96.5	96.8	93.5	98.1	93.2	92.9	96.4	96.9	95.2	93.7	94.6	96.3	87.0
Hurstville ³	96.6	94.7	94.3	95.1	96.2	95.3	93.1	93.2	94.0	92.8	95.7	91.0	95.9
Kogarah ³	94.2	96.5	95.1	93.9	93.6	95.5	95.9	94.3	92.4	92.6	93.9	92.5	94.1
Randwick	95.4	93.1	97.6	95.7	96.9	95.4	93.5	96.1	93.6	93.9	93.3	94.8	90.8
Rockdale ²	93.3	92.3	94.6	92.7	96.4	94.5	92.9	95.8	93.5	92.7	95.2	91.9	92.4
Sutherland Shire	95.8	96.1	96.5	95.1	97.2	95.7	94.5	94.9	95.1	94.9	95.7	92.8	94.7
Sydney ¹	95.4	93.9	94.0	95.2	96.9	95.0	96.0	94.7	93.3	95.2	92.9	94.8	95.7
Waverley	91.7	93.3	96.1	94.2	91.6	89.4	95.4	92.1	94.2	90.1	92.0	90.7	88.7
Woollahra	90.3	92.5	94.0	97.7	97.0	93.7	90.7	93.1	89.2	96.5	94.6	92.7	90.9
SESLHD total	94.7	94.5	95.6	95.0	96.0	94.6	94.2	94.8	93.9	93.7	94.5	92.9	92.6
NSW total	95.0	94.7	94.8	94.6	94.8	94.6	93.9	93.9	93.6	93.6	93.4	93.1	93.2

¹Sydney LGA is split between South Eastern Sydney LHD and Sydney LHD 33% and 67% respectively; ²Botany Bay and Rockdale councils merged in 2016 and are now known as Bayside Council; ³Hurstville and Kogarah councils merged in 2016 and are now known as Georges River Council.

AIR based coverage at 12 to less than 15 months of age, SESLHD compared to NSW, 2014 – 30 Sept. 2023



AIR based coverage at 12 to less than 15 months of age, by LGA, SESLHD, Quarter 3 2023



3. Immunisation coverage at two years (24 to less than 27 months)

In the third quarter of 2023, 91.3% of the 2,551 District residents in this age group were considered fully vaccinated. The coverage among children of this age group is similar to last quarter (91.5%) and slightly lower than the NSW coverage level (91.6%).

In the latest quarter, the lowest coverage was reported in Rockdale LGA with 89.5% of 333 registered children recorded as having received all recommended vaccines. The highest coverage was reported in Botany Bay LGA with 94.4% of 180 children recorded as fully vaccinated.

AIR based coverage at 24 to less than 27 months of age, by quarter and LGA, SESLHD

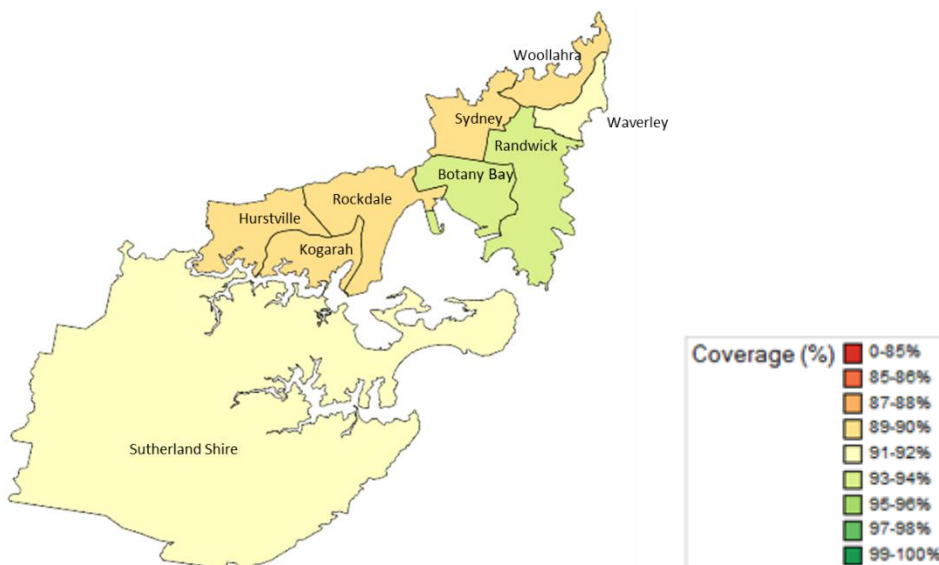
Local Government Area (LGA)	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Botany Bay ²	91.5	93.8	92.9	94.3	92.3	95.7	91.7	94.0	91.0	92.6	91.5	93.3	94.4
Hurstville ³	92.0	88.0	87.2	94.7	95.3	94.7	93.8	91.4	92.3	92.5	88.5	91.0	90.3
Kogarah ³	93.6	92.8	91.7	93.4	90.5	93.3	94.2	90.8	92.0	95.5	85.9	94.3	90.7
Randwick	91.6	91.2	89.6	92.8	91.1	91.3	94.5	92.2	92.7	89.7	89.9	91.8	92.2
Rockdale ²	92.6	88.4	89.5	89.5	90.0	89.9	91.8	89.4	91.8	87.0	87.9	90.2	89.5
Sutherland Shire	94.6	93.8	93.4	95.8	95.3	93.2	93.6	94.3	95.7	92.9	92.3	93.5	92.1
Sydney ¹	90.3	90.6	89.3	89.0	91.1	91.4	92.3	89.5	95.0	92.2	92.5	90.9	89.5
Waverley	91.5	91.4	91.0	89.3	92.3	91.5	93.3	89.2	86.3	88.8	89.3	82.9	90.7
Woollahra	88.6	89.8	91.6	93.9	87.0	92.1	88.6	92.4	90.0	90.0	91.0	93.2	89.6
SESLHD total	92.5	91.3	91.0	93.2	92.4	92.5	93.0	92.1	92.7	91.2	90.2	91.5	91.3
NSW total	92.9	92.6	91.7	92.9	92.7	92.7	92.5	92.0	92.0	91.4	91.0	91.0	91.6

¹Sydney LGA is split between South Eastern Sydney LHD and Sydney LHD 33% and 67% respectively; ²Botany Bay and Rockdale councils merged in 2016 and are now known as Bayside Council; ³Hurstville and Kogarah councils merged in 2016 and are now known as Georges River Council.

AIR based coverage at 24 to less than 27 months of age, SESLHD compared to NSW, 2014 – 30 Sept. 2023



AIR based coverage at 24 to less than 27 months of age, by LGA, SESLHD, Quarter 3 2023



4. Immunisation coverage at five years (60 to less than 63 months)

In the third quarter of 2023, 92.7% of the 2,253 District children in this age group were considered fully vaccinated. The coverage among children of this age group is higher than last quarter (92.3%) but remains below the average NSW coverage level in this age group (94.2%).

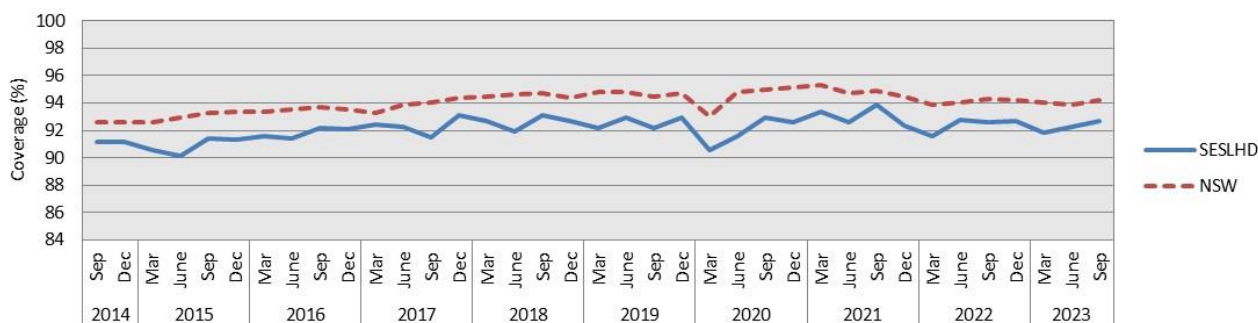
In the latest quarter, the lowest coverage was reported in Waverley LGA, with 85.3% of 190 registered children recorded as having received all recommended vaccines. The highest coverage was reported in the Sutherland Shire LGA with 96.6% of 672 registered children recorded as fully vaccinated.

AIR based coverage at 60 to less than 63 months of age, by quarter and LGA, SESLHD

Local Government Area (LGA)	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	
Botany Bay ²	90.1	90.7	92.1	93.0	93.6	91.5	90.9	90.0	95.1	95.5	94.3	95.8	91.9	92.5
Hurstville ³	96.6	93.3	93.4	93.2	96.3	92.9	92.3	95.1	95.0	95.0	94.0	91.8	93.3	91.3
Kogarah ³	91.9	95.2	95.0	88.8	95.5	91.3	95.0	92.9	89.5	89.4	90.6	89.9	93.4	95.2
Randwick	90.8	90.6	89.9	88.6	90.9	91.2	88.6	90.2	92.2	92.0	89.7	89.4	92.6	90.1
Rockdale ²	94.4	92.7	93.5	92.6	93.4	93.2	92.3	94.3	92.1	92.0	91.2	93.4	92.5	93.5
Sutherland Shire	96.4	95.2	96.0	95.9	95.5	94.3	95.0	95.8	95.7	95.9	95.6	93.7	94.6	96.6
Sydney ¹	88.4	89.4	89.7	88.1	91.6	87.5	82.3	86.2	89.6	89.0	87.1	89.4	88.2	88.4
Waverley	86.4	88.8	92.7	94.2	92.6	89.4	87.8	90.3	86.0	85.8	90.1	89.6	87.3	85.3
Woollahra	88.9	90.3	91.9	90.2	92.2	93.0	89.0	89.3	87.9	87.9	94.2	88.3	85.2	92.0
SESLHD total	92.9	92.6	93.4	92.6	93.9	92.3	91.6	92.8	92.6	92.6	92.7	91.8	92.3	92.7
NSW total	95.0	95.1	95.3	94.7	94.9	94.5	93.9	94.0	94.3	94.2	94.2	94.0	93.9	94.2

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AIR based coverage at 60 to less than 63 months of age, by LGA, SESLHD, Quarter 3 2023

