



Alaska Vaccination Coverage Report

Quarter 4, 2023

To decrease the risk of acquiring potentially serious vaccine-preventable diseases, Alaskans are recommended to stay up-to-date with all Advisory Committee on Immunization Practices (ACIP)-recommended vaccines.

Methods: VacTrAK data is assessed quarterly to examine vaccination coverage rates among. This report includes data from December 31, 2023. Vaccines were selected based on commonly used metrics for vaccine compliance as recommended by the ACIP. During Q4, a data quality improvement project within VacTrAK may have impacted this increase in coverage by reducing the denominator in VacTrAK. Adult vaccination coverage is most impacted by this data quality improvement project.

Figure 1: Vaccine series coverage rate (%), 2018-2023

During 2023, childhood vaccination coverage rates increased by 4%, and increased 8% from the lowest point in December 2021. Adult vaccinations for Tdap and Zoster have consistently increased over the last 5 years, with smaller gains for pneumococcal vaccination among adults.

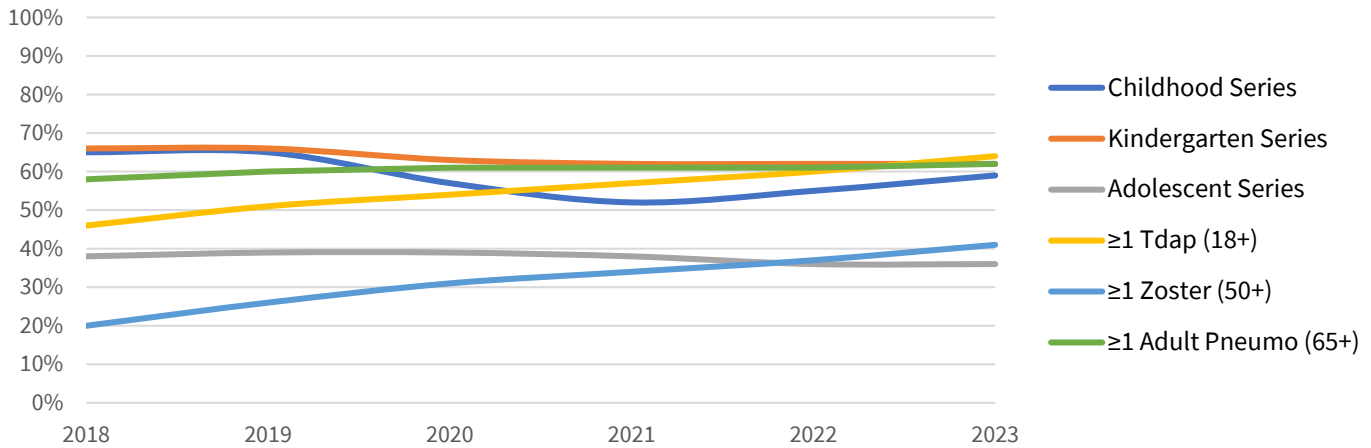


Figure 2: Vaccine series coverage rate (%), 2023

Kindergarten vaccination rates among 5-6 year olds increased during quarter 3 of 2023, followed by a dip back to 62% in quarter 4. Adolescent vaccinations remained relatively flat with HPV vaccine continuing to be the vaccine with lowest uptake.

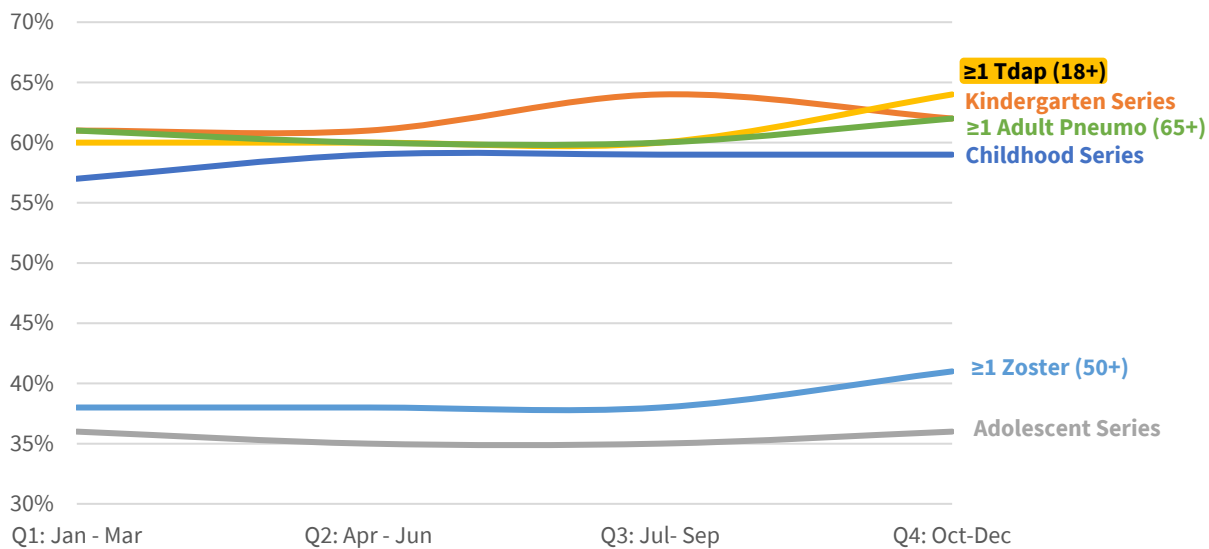


Figure 3: Vaccine series coverage rate (%) by Alaska region, 2023 Q4

Rates vary regionally and by age group. During 2023 Q4, the northern region had overall highest rates among kindergarten ages while Anchorage had the highest rates among childhood vaccinations. Public messaging and health care provider engagement can help raise coverage rates.

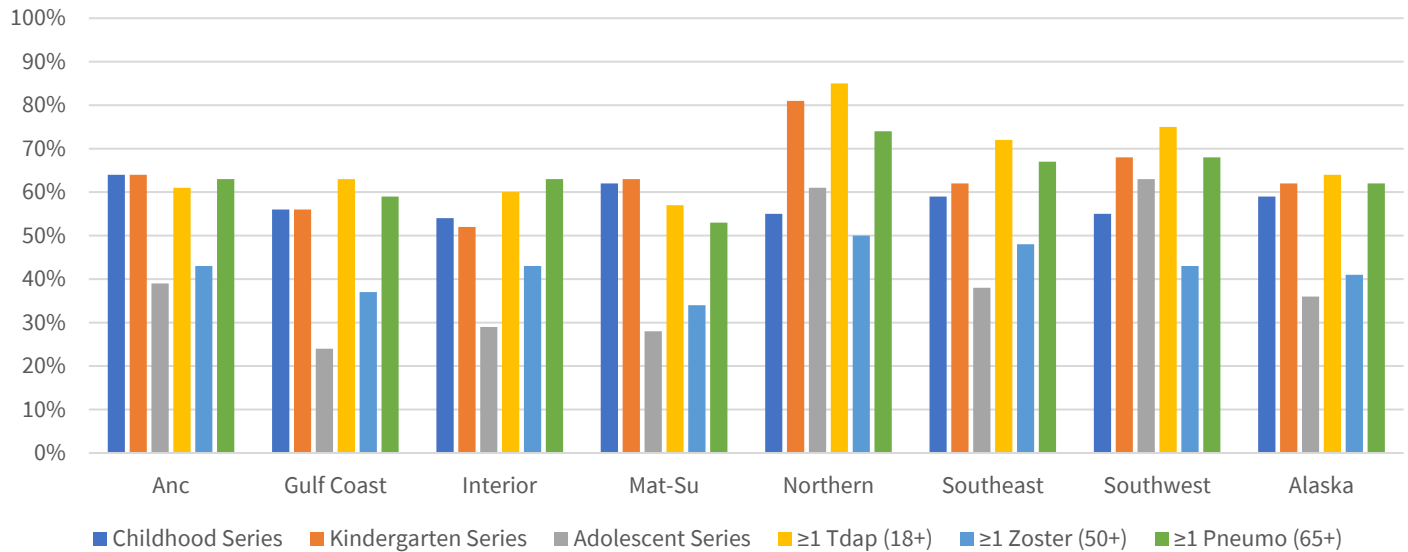


Table 1: Vaccine coverage rate (%) by region, Childhood Series

Childhood Series: 4 DTaP/DT/Td, 3 HIB, 3 Polio, 3 Hep B, 1 MMR, 1 Varicella, 4 PCV

Childhood rates remained stable during Q4, with slight improvement for polio, pneumococcal, and HepB vaccinations.

| | Anc | Gulf Coast | Interior | Mat-Su | Northern | Southeast | Southwest | 2023 Q1 | 2023 Q2 | 2023 Q3 | 2023 Q4 |
|---------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Childhood Series, 19-35 Months | 64 | 56 | 54 | 62 | 55 | 59 | 55 | 57 | 59 | 59 | 59 |
| 4 DTaP/DT/Td | 66 | 60 | 57 | 65 | 58 | 64 | 59 | 61 | 63 | 63 | 63 |
| 3 HIB | 79 | 73 | 69 | 78 | 79 | 76 | 87 | 75 | 77 | 77 | 77 |
| 3 Polio | 81 | 80 | 73 | 80 | 80 | 83 | 84 | 77 | 79 | 79 | 80 |
| 3 HepB | 85 | 82 | 79 | 84 | 89 | 86 | 92 | 82 | 84 | 84 | 85 |
| 1 MMR | 80 | 73 | 72 | 78 | 79 | 78 | 86 | 75 | 77 | 77 | 77 |
| 1 Varicella | 75 | 70 | 70 | 74 | 76 | 76 | 81 | 71 | 73 | 74 | 74 |
| 4 PCV | 77 | 71 | 69 | 76 | 75 | 74 | 82 | 72 | 74 | 74 | 75 |

Table 2: Vaccine coverage rate (%) by region, Kindergarten Series*Kindergarten Series: 5 DTaP/DT/Td, 3 Polio, 3 Hep-B, 2 MMR, 2 Varicella, 2 Hep A*

Kindergarten rates among 5-6 year olds decreased overall during Q4.

| | Anc | Gulf Coast | Interior | Mat-Su | Northern | Southeast | Southwest | 2023 Q1 | 2023 Q2 | 2023 Q3 | 2023 Q4 |
|---------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Kindergarten Series, 5-6 years | 64 | 56 | 52 | 63 | 81 | 62 | 68 | 61 | 61 | 64 | 62 |
| 5 DTaP/DT/Td UTD | 68 | 61 | 56 | 66 | 84 | 65 | 79 | 67 | 65 | 68 | 66 |
| 3 HepB | 86 | 86 | 76 | 85 | 96 | 90 | 94 | 88 | 88 | 88 | 86 |
| 2 MMR | 70 | 62 | 57 | 68 | 87 | 67 | 80 | 68 | 67 | 70 | 68 |
| 3 Polio | 87 | 86 | 77 | 86 | 97 | 90 | 96 | 88 | 88 | 87 | 85 |
| 2 Varicella | 68 | 60 | 56 | 66 | 84 | 65 | 72 | 66 | 65 | 67 | 65 |
| 2 Hep A | 77 | 73 | 65 | 76 | 90 | 80 | 89 | 78 | 77 | 78 | 76 |

Table 3: Vaccine coverage rate (%) by region, Adolescent Series*Adolescent Series: 1 Tdap, 2 HPV, 1 MenACWY*

Adolescent rates increased overall during Q4 for all vaccines.

| | Anc | Gulf Coast | Interior | Mat-Su | Northern | Southeast | Southwest | 2023 Q1 | 2023 Q2 | 2023 Q3 | 2023 Q4 |
|---------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Adolescent Series, 13-17 Years | 39 | 24 | 29 | 28 | 61 | 38 | 63 | 36 | 35 | 35 | 37 |
| ≥1 Tdap/Td | 69 | 68 | 62 | 67 | 88 | 73 | 87 | 67 | 66 | 66 | 70 |
| ≥2 HPV | 40 | 25 | 30 | 30 | 62 | 40 | 63 | 37 | 36 | 36 | 38 |
| ≥1 MenACWY | 60 | 49 | 52 | 51 | 83 | 63 | 83 | 57 | 56 | 56 | 59 |

Table 4: Vaccine coverage rate (%) by region, Adult Vaccines

Adult rates increased overall during Q4.

| Adults, 18 Years and Older | Anc | Gulf Coast | Interior | Mat-Su | Northern | Southeast | Southwest | 2023 Q1 | 2023 Q2 | 2023 Q3 | 2023 Q4 |
|-----------------------------------|-----|------------|----------|--------|----------|-----------|-----------|---------|---------|---------|---------|
| ≥1 Tdap (18+) | 61 | 63 | 60 | 57 | 85 | 72 | 75 | 60 | 60 | 60 | 64 |
| ≥1 Pneumo (65+) | 63 | 59 | 63 | 53 | 74 | 67 | 68 | 61 | 60 | 60 | 62 |
| ≥1 Zoster (50+) | 43 | 37 | 43 | 34 | 50 | 48 | 43 | 38 | 38 | 38 | 41 |