

Pandemic Immunization Reporting Description and Summary Processed 2021-05-11

PA SIIS Jurisdiction

The Pennsylvania Statewide Immunization Information System (PA SIIS) jurisdiction is Pennsylvania excluding Philadelphia County. Immunization reporting to PA SIIS is non-mandatory.

Patient (Denominator) Description

Patients included have active status and must have a valid zip code within the PA SIIS jurisdiction. Patient ages are calculated as of 01JAN21 (and analogous dates for prior years). Patients are assigned to age groups described in attached Excel file - 2021-05-11_Relevant_Vacs_ByAgeGroup.xlsx.

Immunization Description

Immunizations included for each age group are listed in attached Excel file Full Year 2020_Relevant_Vacs_ByAgeGroup.xlsx, are recommended for the age group, and were administered during the pandemic period defined as 01JAN20 through 31DEC20 (and analogous dates for prior years). Such immunizations are referred to as relevant. For weekly analyses in attachment Full Year 2020_Pandemic_AnnualChangeMetrics.xlsx, only complete weeks are included. This means that the sum of any weekly analyses may not equal total administration counts in non-weekly analyses.

Metric 1 - Patients Served Rate

Percent of unique patients served. Served is defined as having received a relevant immunization during the pandemic period. The patient served count is divided by the associated age group denominator with result multiplied by 100 to yield the percent.

Below this metric is averaged over the prior 3 years with analogous measurement dates and compared to the metric for the current pandemic period for each age group.

| Age Group | Patients Served Rate Prior | Patients Served Rate Pandemic | Percent Change |
|---------------|----------------------------|-------------------------------|----------------|
| 0 - 11 Months | 87.9606 | 87.5593 | -0.4563 |
| 1 - 3 Years | 58.8599 | 59.1902 | 0.5612 |
| 4 - 6 Years | 45.6428 | 45.1252 | -1.1340 |
| 7 - 10 Years | 27.1367 | 30.2135 | 11.3384 |
| 11 - 18 Years | 33.3574 | 35.3098 | 5.8527 |
| 19 - 49 Years | 16.2905 | 18.2110 | 11.7890 |
| 50 - 64 Years | 24.3161 | 29.0762 | 19.5760 |
| 65+ Years | 32.9521 | 26.7992 | -18.6725 |

Metric 2 - Immunization Administration Rate

Immunizations administered per 100,000 patients. Immunizations administered are defined as a relevant immunization during the pandemic period. The immunizations administered count is divided by the associated age group denominator with result multiplied by 100,000 to yield the rate of immunization per 100,000 patients.

Below this metric is averaged over the prior 3 years with analogous measurement dates and compared to the metric for the current pandemic period for each age group.

| Age Group | Administration Rate Prior | Administration Rate Pandemic | Percent Change |
|------------------|----------------------------------|-------------------------------------|-----------------------|
| 0 - 11 Months | 625247.50 | 622330.72 | -0.4665 |
| 1 - 3 Years | 287361.05 | 283999.11 | -1.1699 |
| 4 - 6 Years | 96969.89 | 87983.45 | -9.2673 |
| 7 - 10 Years | 31610.98 | 33438.22 | 5.7804 |
| 11 - 18 Years | 65129.49 | 66975.19 | 2.8339 |
| 19 - 49 Years | 19498.03 | 21362.22 | 9.5609 |
| 50 - 64 Years | 29814.61 | 39783.01 | 33.4346 |
| 65+ Years | 46092.56 | 39118.04 | -15.1316 |