

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 First Quarter 2021_Relevant_Vacs_ByAgeGroup.xlsx, are recommended for the age group, and were administered during the pandemic period defined as 01JAN21 through 30APR21 (and analogous dates for prior years). Such immunizations are referred to as relevant. For weekly analyses in attachment First Quarter 2021_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 4 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	60.1531	60.2098	0.0942
1 - 3 Years	20.7842	21.1429	1.7256
4 - 6 Years	8.7294	7.3334	-15.9918
7 - 10 Years	4.6849	3.7267	-20.4517
11 - 18 Years	7.5477	8.0287	6.3722
19 - 49 Years	2.8904	2.4568	-15.0022
50 - 64 Years	3.6970	4.6656	26.1984
65+ Years	5.0641	3.4285	-32.2983

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 4 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	272365.06	264810.24	-2.7738
1 - 3 Years	45114.87	45461.38	0.7681
4 - 6 Years	16319.29	13534.77	-17.0628
7 - 10 Years	5392.72	4171.43	-22.6470
11 - 18 Years	12149.93	13279.42	9.2963
19 - 49 Years	3182.78	2674.24	-15.9779
50 - 64 Years	4050.69	5173.21	27.7118
65+ Years	5827.72	3793.51	-34.9058