

Pandemic Immunization Reporting Description and Summary Processed 2020-05-07

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 01JAN20 (and analogous dates for prior years). Patients are assigned to age groups described in attached Excel file - 2020-05-07_Relevant_Vacs_ByAgeGroup.xlsx.

Immunization Description

Immunizations included for each age group are listed in attached Excel file - 2020-05-07_Relevant_Vacs_ByAgeGroup.xlsx, are recommended for the age group, and were administered during the pandemic period defined as 15MAR20 through 06MAY20 (and analogous dates for prior years). Such immunizations are referred to as relevant. For weekly analyses, only complete weeks are included.

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	33.2959	28.4960	-14.4159
1 - 3 Years	8.3856	4.4206	-47.2830
4 - 6 Years	3.0838	0.7322	-76.2566
7 - 10 Years	1.2765	0.4018	-68.5223
11 - 18 Years	3.3557	0.9297	-72.2937
19 - 49 Years	1.2052	0.6877	-42.9405
50 - 64 Years	1.5697	0.9678	-38.3462
65+ Years	2.6819	0.8306	-69.0303

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	92398.71	80697.58	-12.6637
1 - 3 Years	16364.88	8329.54	-49.1011
4 - 6 Years	6276.52	1294.61	-79.3738
7 - 10 Years	1532.03	439.54	-71.3098
11 - 18 Years	5240.52	1370.76	-73.8430
19 - 49 Years	1276.50	717.80	-43.7679
50 - 64 Years	1644.66	1009.72	-38.6063
65+ Years	2903.64	898.27	-69.0639