

Pandemic Immunization Reporting Description and Summary Processed 2021-11-03

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 - 2021-11-03_Relevant_Vacs_ByAgeGroup.xlsx.

Immunization Description

Immunizations included for each age group are listed in attached Excel file - 2021-11-03_Relevant_Vacs_ByAgeGroup.xlsx, are recommended for the age group, and were administered during the pandemic period defined as 01JAN21 through 30SEP21 (and analogous dates for prior years). Such immunizations are referred to as relevant. For weekly analyses in attachment 2021-11-03_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	69.6008	71.7454	3.0813
1 - 3 Years	34.8812	35.3285	1.2824
4 - 6 Years	19.1506	17.0897	-10.7612
7 - 10 Years	11.9573	12.5464	4.9266
11 - 18 Years	17.1633	16.7820	-2.2215
19 - 49 Years	6.6480	6.6670	0.2857
50 - 64 Years	9.8201	11.9608	21.7989
65+ Years	14.2759	14.0113	-1.8536

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	407443.54	394825.08	-3.0970
1 - 3 Years	83017.44	80955.92	-2.4832
4 - 6 Years	35175.28	29191.41	-17.0116
7 - 10 Years	14322.72	14330.97	0.0576
11 - 18 Years	29435.58	27759.07	-5.6955
19 - 49 Years	7628.73	7373.94	-3.3399
50 - 64 Years	12016.46	14638.14	21.8174
65+ Years	18624.32	16696.99	-10.3484