Kansas COVID-19 Vaccine Coverage

About the Data

Data Source: This dashboard includes doses administered in KSWebIZ, the statewide Immunization Information System (IIS). As providers in Kansas administer immunizations, including COVID-19 immunizations, they are required by law (K.S.A. 65-2886a) to submit vaccination information to KSWebIZ. KSWebIZ data are constantly updated to ensure data quality and completeness. Doses administered to Kansas residents in the Missouri, Oklahoma, Arkansas, Connecticut, New Mexico, and Nevada IIS are also included via IZ Gateway connections. Vaccine reporting requirements vary by state, but during the COVID-19 Public Health Emergency from January 2020 to May 11, 2023 reporting of all COVID-19 vaccines was required. Doses administered in states other than those listed and through federal partnerships are not captured in KSWebIZ or connected data exchanges.

Vaccine Type: During the COVID-19 Response, there has been multiple versions of the vaccine and recommended scheduling. For this dashboard, Pandemic Monovalent, Bivalent, 2023-2024 Updated, and 2024-2025 Updated are the vaccine types.

Pandemic Monovalent formulation includes all mRNA doses given using the original strain available from December 14, 2020 to April 18, 2023, all doses of Novavax given before October 3, 2023, and all doses of Janssen (Johnson and Johnson). This type was the only vaccine available for use in primary series and boosters until September 2, 2022 for those 12 years and older. Multi-dose primary series were recommended along with booster doses 6 months following primary series and additional recommendations for high risk groups.

Bivalent formulation contained two strains of COVID-19 to increase protection against circulating strains at the time. It first became available as a booster to those 12 and older on September 2, 2022. It was approved as a booster for those 5 and older on October 13, 2022 and for those 6 months and older on December 9, 2022. On April 24, 2023, bivalent vaccine became the only approved mRNA vaccine for use in primary series or booster doses. On September 11, 2023, vaccine recommendations and authorizations were updated to better reflect the circulating strains and the bivalent vaccine was no longer approved for use.

2023-2024 Updated formulation contains components of the Omicron variant XBB1.5 to better prepare immune systems for the circulating variant. From September 11, 2023 to August 22, 2024, these were the only vaccines approved for usage.

2024-2025 Updated formulation contains components of the Omicron variant JN.1-lineage to better prepare immune systems for the circulating variant. Starting August 22, 2024, these are the only vaccines approved for usage. The current vaccine schedule has been simplified for those 5 years of age and older.

For data displayed on this dashboard, only doses given within their approved period are included. Doses with vaccination codes that do not match the approval period are not included due to a high likelihood of a data quality error.

Residency Status: County and State of residency are determined by the address field in KSWebIZ. Patients with Kansas or a null value in the state portion of their address are included in this dashboard display.

Persons Vaccinated: Represents the number of individuals within a population group, i.e. Kansans or county residents, who have received at least one dose in the respective vaccine type.

Doses Administered: Represents the number of documented vaccinations in KSWebIZ of that type given to individuals in that population group. Since each vaccine type has scenarios where a person should receive multiple doses, this number will be higher than persons vaccinated.

Population Estimate Totals: All population files for from the U.S. Census Bureau Annual County Resident Population Estimate: April 1, 2020 to July 1, 2022 by Age, Sex, Race and Hispanic origin and by Selected Age Groups and Sex.

Age: Patient age is calculated based on their age on the date of last dose received of a vaccine type. For this dashboard, the age groups of Under 18 includes anyone who is under 18 years of age at vaccination receipt, 18 to 64 including anyone 18 years of age through 64 years of age, and 65+ which includes everyone 65 years of age and older. While those 18 years of age may still receive doses through VFC programs, the vaccine recommendations and ability to consent for vaccination follow these age groupings.

Race/Ethnicity Information: Race and ethnicity data is reported into the Kansas Immunization Registry (KSWebIZ) by vaccine providers using patient self-identified race and ethnicity. Multiple races are available for selection with the primary race listed first followed by other selected races. In instances where multiple races are selected, the individual is reported as '2 or More Races.' Race is reported into the demographics section of a patient record and can be updated as needed; updated race information will apply to all previous and future vaccine administered to that individual.

Additional Dashboards: To review surveillance data available for COVID-19 illness, please see the KDHE Syndromic Surveillance dashboard.