

Estimated COVID-19 vaccines administered by race/ethnicity



Race/Ethnicity	Total 1 st doses	% of 1st doses (% as of prior week)	% 1 st dose population coverage	Population Coverage (1 st dose)
Latinx	25,571	19.9% (17% as of prior week)	3.3%	1 in 30 (1 in 45 prior week)
Black, Non-Latinx	24,586	19.0% (15% as of prior week)	3.2%	1 in 31 (1 in 53 prior week)
White, Non-Latinx	64,312	49.7% (53% as of prior week)	7.1%	1 in 14 (1 in 18 prior week)
Asian, Non-Latinx	14,363	11.1% (14% as of prior week)	7.8%	1 in 13 (1 in 18 prior week)
Unknown	19,679	13.2%		
Chicago	149,079	100%	5.5%	1 in 18

As of January 30, 2021, 79% of all vaccination records received by the Chicago Department of Public Health (CDPH) were missing race/ethnicity. CDPH in collaboration with DePaul University Center for Data Science utilized a validated statistical methodology, known as the Bayesian Improved Surname Geocoding Method (BISG), to impute (predict) the race/ethnicity among those missing, based on the zipcode of residence and the surname (last name) of individuals whose COVID-19 vaccination records were missing race/ethnicity. This method was able to predict over 83% of missing data. More information about the methodology can be found [here](#). The numbers in the above table reflect estimated percentages based on cumulative doses administered to Chicago residents as of 1/30/21. Race-ethnicity derived from data imputation inherently have a level of uncertainty and are not intended to substitute for an individual's self-reported identification. Imputation is intended as an activity to help the health department and stakeholders better understand and enhance the progress in COVID-19 vaccination efforts citywide. All activities were classified as health surveillance and all procedures for performing BISG data imputation underwent institutional review and approval.

Data represents COVID-19 vaccinations administered to Chicago residents based on home address, as reported by medical providers in Illinois Comprehensive Automated Immunization Registry Exchange (I-CARE). The site of vaccination may not be in the City of Chicago. Percentages reported exclude those still unknown after BISG imputation. All data are provisional and subject to change.

Data Source: Illinois Comprehensive Automated Immunization Registry Exchange (I-CARE), U.S. Census Bureau American Community Survey.