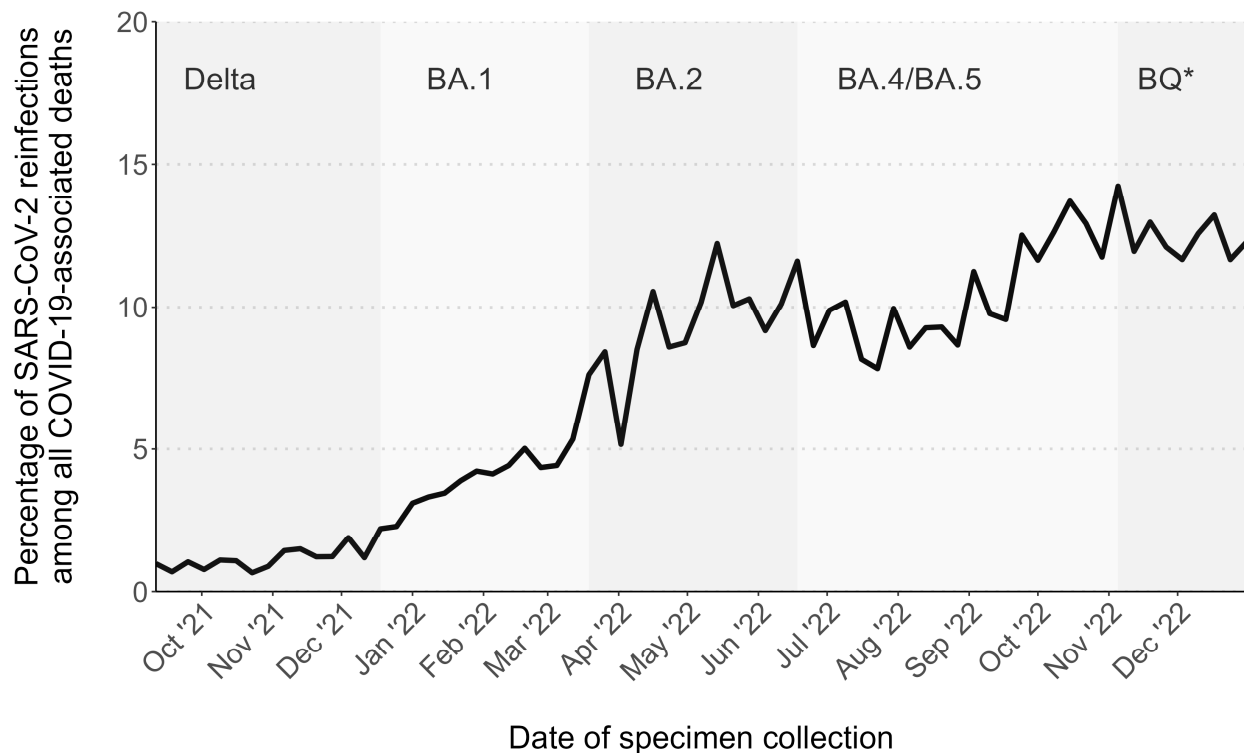


SUPPLEMENTARY FIGURE. Percentages of SARS-CoV-2 reinfections* among all COVID-19–associated deaths† by week of positive specimen collection date and variant period§ — 17 U.S. jurisdictions¶, September 5, 2021–December 31, 2022.



Abbreviation: BQ* = BQ.1/BQ.1.1

* A SARS-CoV-2 reinfection was defined as a SARS-CoV-2 RNA or antigen detection (based on confirmatory or presumptive laboratory evidence, as defined by the Council of State and Territorial Epidemiologists) on a respiratory specimen collected >90 days after a previous confirmed or probable COVID-19 case in the same person (<https://ndc.services.cdc.gov/case-definitions/coronavirus-disease-2019-2021/>).

† To ascertain COVID-19–associated deaths, 10 jurisdictions relied upon vital records and seven relied upon both vital records and provider reporting/case investigations. Six jurisdictions provided only deaths with COVID-19 as a listed underlying or probable cause. The remaining 11 jurisdictions additionally provided deaths from natural causes or without other evident causes that occurred within 30 days of a positive specimen collection (n = 8) or other specified time windows (42 days, 45 days, or 60 days).

§ Periods were defined using ≥50% SARS-CoV-2 variant proportions from national genomic surveillance: ancestral strain (April 3, 2021 and earlier); Alpha (April 4–June 19, 2021); Delta (June 20–December 18, 2021); BA.1 comprising Omicron B.1.1.529 and BA.1.1 (December 19, 2021–March 19, 2022); BA.2 comprising BA.2 and BA.2.12.1 (March 20–June 18, 2022); and

BA.4/BA.5 comprising BA.4, BA.4.6, and BA.5 (June 19–November 5, 2022). The BQ.1/BQ.1.1 period (November 6–December 31, 2022; abbreviated as BQ*) also included other lineages with similar spike protein substitutions and was defined based on when BA.4/BA.4.6/BA.5 reached <50%, as these other lineages increased. Data source: <https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

[¶] Data were included from 17 jurisdictions: California, Colorado, District of Columbia, Georgia, Indiana, Kentucky, Louisiana, Massachusetts, Minnesota, Nebraska, New Jersey, New York City, North Carolina, Oregon, Philadelphia, Tennessee, and Washington.