

Pfizer-BioNTech COVID-19 BNT162b2 Vaccine Effectiveness Study - Kaiser Permanente Southern California

Warning: The safety and scientific validity of this study is the responsibility of the sponsor and investigators. ClinicalTrials.gov Identifier: NCT04848584 Recruitment Status: Active, not recruiting

Sponsor: Pfizer Information provided by (Responsible Party): Pfizer

Study Details Tabular View No Results Posted Disclaimer How to Read a Study Record

Study Description Go to

Brief Summary: The primary objective of this study is to determine the vaccine effectiveness of 2 doses of Pfizer-BioNTech BNT162b2 vaccine against COVID-19-associated hospitalization.

Table with 2 columns: Condition or disease, Intervention/treatment. Row 1: COVID-19, Biological: Primary Exposure Status of Pfizer-BioNTech COVID-19 Vaccine

Detailed Description: The primary objective of this study is to determine the vaccine effectiveness (VE) of 2-doses of Pfizer's BNT162b2 vaccine against COVID-19-associated hospitalization.

Study Design Go to

Study Type: Observational Estimated Enrollment: 999 participants Observational Model: Case-Control Time Perspective: Retrospective

Groups and Cohorts Go to

Table with 2 columns: Group/Cohort, Intervention/treatment. Rows include Fully vaccinated, Partially vaccinated, Ever vaccinated, Never vaccinated.

Outcome Measures Go to

Primary Outcome Measures: 1. The effectiveness of 2 doses of BNT162b2 (i.e., fully vaccinated) against hospitalization for ARI due to SARS-CoV-2 infection

Secondary Outcome Measures: 1. The effectiveness of 2 doses of BNT162b2 (i.e., fully vaccinated) against ED admission (without subsequent hospitalization) for ARI due to SARS-CoV-2 infection

2. The effectiveness of only 1 dose of BNT162b2 (i.e., partially vaccinated) against hospitalization for ARI due to SARS-CoV-2 infection

3. The effectiveness of only 1 dose of BNT162b2 (i.e., partially vaccinated) against ED admission (without subsequent hospitalization) for ARI due to SARS-CoV-2 infection

4. The effectiveness of ≥1 dose of BNT162b2 (i.e., ever vaccinated) against hospitalization for ARI due to SARS-CoV-2 infection

5. The effectiveness of ≥1 dose of BNT162b2 (i.e., ever vaccinated) against ED admission (without subsequent hospitalization) for ARI due to SARS-CoV-2 infection

6. The effectiveness of BNT162b2 against hospitalization and ED admission stratified by prevalent or important viral strains

7. The effectiveness of BNT162b2 against severe hospitalization-related outcomes (e.g., ICU admission, mechanical ventilation, and death)

Eligibility Criteria Go to

Information from the National Library of Medicine Choosing to participate in a study is an important personal decision. Talk with your doctor and family members or friends about deciding to join a study.

Ages Eligible for Study: 16 Years and older (Child, Adult, Older Adult) Sexes Eligible for Study: All Accepts Healthy Volunteers: No

Study Population: All members of KPSC aged greater or equal to 16 years of age.

Criteria

- Inclusion Criteria Test Negative Design: KPSC patients 16 years or older who are admitted to the hospital (primary objective) with acute respiratory infection (ARI) after 14 December 2020

Exclusion Criteria Test Negative Design: Patients who receive any other newly licensed or investigational SARS-CoV-2 vaccine or COVID-19 prophylactic agent other than Pfizer's COVID-19 vaccine

Exclusion Criteria Cohort Design: There will be no exclusion criteria for the cohort design, however patients will be censored for receiving any other newly licensed or investigational SARS-CoV-2 vaccine

Contacts and Locations Go to

Information from the National Library of Medicine To learn more about this study, you or your doctor may contact the study research staff using the contact information provided by the sponsor.

Locations: United States, California Pfizer Inc San Diego, California, United States, 92121

Sponsors and Collaborators: Pfizer

Investigators: Study Director: Pfizer CT.gov Call Center Pfizer

More Information Go to

Additional Information: To obtain contact information for a study center near you, click here.

Publications automatically indexed to this study by ClinicalTrials.gov Identifier (NCT Number): Tartof SY, Slezak JM, Fischer H, Hong V, Ackerson BK, Ranasinghe ON, Frankland TB, Ogun OA, Zamparo JM, Gray S, Valluri SR, Pan K, Angulo FJ, Jodar L, McLaughlin JM. Effectiveness of mRNA BNT162b2 COVID-19 vaccine up to 6 months in a large integrated health system in the USA: a retrospective cohort study. Lancet. 2021 Oct 16;398(10309):1407-1416.

Responsible Party: Pfizer ClinicalTrials.gov Identifier: NCT04848584 History of Changes Other Study ID Numbers: C4591014 First Posted: April 19, 2021 Key Record Dates Last Update Posted: August 11, 2021 Last Verified: August 2021

Individual Participant Data (IPD) Sharing Statement: Plan to Share IPD: No Plan Description: Pfizer will provide access to individual de-identified participant data and related study documents (e.g. protocol, Statistical Analysis Plan (SAP), Clinical Study Report (CSR)) upon request from qualified researchers, and subject to certain criteria, conditions, and exceptions.

Studies a U.S. FDA-regulated Drug Product: Yes Studies a U.S. FDA-regulated Device Product: No Product Manufactured in and Exported from the U.S.: No

Additional relevant MeSH terms: COVID-19, Respiratory Tract Infections, Infections, Pneumonia, Viral, Virus Diseases, Coronaviridae Infections, Nidovirales Infections, RNA Virus Infections, Lung Diseases, Respiratory Tract Diseases, Vaccines, Immunologic Factors, Physiological Effects of Drugs