



CONSENSUS STUDY DIGITAL RESOURCE | APRIL 2024

Evidence Review of the Adverse Effects of COVID-19 Vaccination

A committee of experts reviewed hundreds of scientific research papers to make conclusions about the causal relationships between COVID-19 vaccines and specific serious health conditions.

The report was requested by the federal Health Resources and Services Administration Division of Injury Compensation Programs (DICP), which houses the Vaccine Injury Compensation Program and the Countermeasures Injury Compensation Program. DICP uses reports from the National Academies as an important scientific contribution to its compensation decisions. This report includes research published before mid-October 2023; future research will bring more clarity to the conclusions as researchers continue to study these important vaccines.

The National Academies committee also investigated the causal relationships between intramuscular vaccine administration and shoulder injuries.

LEARN MORE ABOUT SHOULDER INJURIES FROM
INTRAMUSCULAR ADMINISTRATION OF VACCINES [↗](#)

Categories of Causation

These definitions of causation describe the degrees of certainty that a condition has a causal relationship to a vaccine. The committee adopted the categories and definitions of causation used by previous National Academies committees. The conclusions are asymmetric. A conclusion that there is no causal relationship can never be as certain as a conclusion that there is a causal relationship.

READ MORE ABOUT HOW THE COMMITTEE ASSESSED CAUSALITY IN CHAPTER 1 [↗](#)

Evidence **establishes** a causal relationship

Evidence **favors acceptance** of a causal relationship

Evidence is **inadequate to accept or reject** a causal relations

Evidence **favors rejection** of a causal relationship

Conclusions by Adverse Effect, Vaccine, or Causal Category

Select a vaccine, and/or an adverse effect, and/or a causal category to view conclusions on evidence linking each of the four COVID vaccines to each of the adverse effects and their level of causation.

[LEARN MORE ABOUT THE VACCINES](#)

FILTER BY VACCINE:

All

FILTER BY ADVERSE EFFECT:

All

FILTER BY CAUSAL CATEGORY:

All

Viewing All Effects



Cardiac and Vascular Events

- [Deep Vein Thrombosis](#)
- [Hemorrhagic Stroke](#)
- [Ischemic Stroke](#)
- [Myocardial Infarction](#)
- [Myocarditis](#)
- [Pericarditis](#)
- [Pulmonary Embolism](#)
- [Venous Thromboembolism](#)



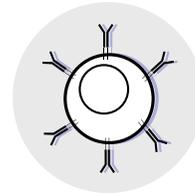
Female Infertility

- [Female Infertility](#)



Hearing Conditions

- Sensorineural Hearing Loss
- Tinnitus



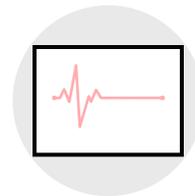
Immune-Mediated Events

- Capillary Leak Syndrome
- Immune Thrombocytopenic Purpura
- Thrombosis with Thrombocytopenia Syndrome



Neurologic Events

- Bell's Palsy
- Chronic Headaches
- Chronic Inflammatory Demyelinating Polyneuropathy



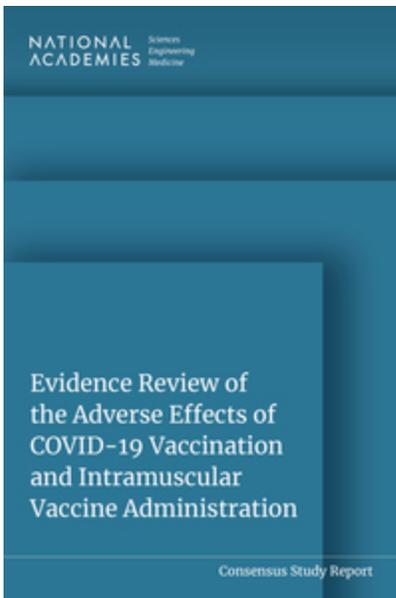
Sudden Death

- Sudden Death

- [Guillain-Barré Syndrome](#)
- [Postural Orthostatic Tachycardia Syndrome](#)
- [Transverse Myelitis](#)



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