

COVID-19 VACCINE UPDATE

STEERING & RULES COMMITTEE

APRIL 19, 2021



JOHNSON & JOHNSON COVID-19 VACCINE

OVERVIEW

- Adenovirus vector
- Spike protein
- Antibody response
- Cannot give COVID-19
- Does not alter DNA

How Viral Vector COVID-19 Vaccines Work

Understanding the virus that causes COVID-19.

Coronaviruses, like the one that causes COVID-19, are named for the crown-like spikes on their surface, called **spike proteins**. These **spike proteins** are ideal targets for vaccines.

What is a viral vector vaccine?

A viral vector vaccine uses a harmless version of a different virus, called a "vector," to deliver information to the body that helps it protect you.

How does the vaccine work?

The vaccine teaches your body how to make copies of the **spike proteins**. If you are exposed to the real virus later, your body will recognize it and know how to fight it off.

The vaccine **DOES NOT** contain the virus that causes COVID-19 and cannot give you COVID-19. It also cannot make you sick from the virus that is used as the vector. It cannot change your DNA in any way.

When your body responds to the vaccine, it can sometimes cause tiredness, headache, muscle pain, nausea, or mild fever. These are normal signs the vaccine is working.

GETTING VACCINATED?

For information about COVID-19 vaccine, visit [cdc.gov/coronavirus/vaccines](https://www.cdc.gov/coronavirus/vaccines)



TIMELINE OF EVENTS

- 2/27 – FDA emergency use authorization
- 3/2 – Vaccination started
- 3/19-4/12 – 6 episodes of cerebral venous sinus thrombosis (CVST) reported, out of 6.8 million doses administered
- 4/13 – CDC and FDA issue joint statement
- 4/14 – Emergency meeting of ACIP
- NOW – Continued pause, awaiting further recommendations



SYMPTOMS & INCIDENCE

CVST

- Headache
- Abdominal pain
- Leg pain
- Shortness of breath

- 2-15 per million
- Median age 37yrs
- Female > male 3:1

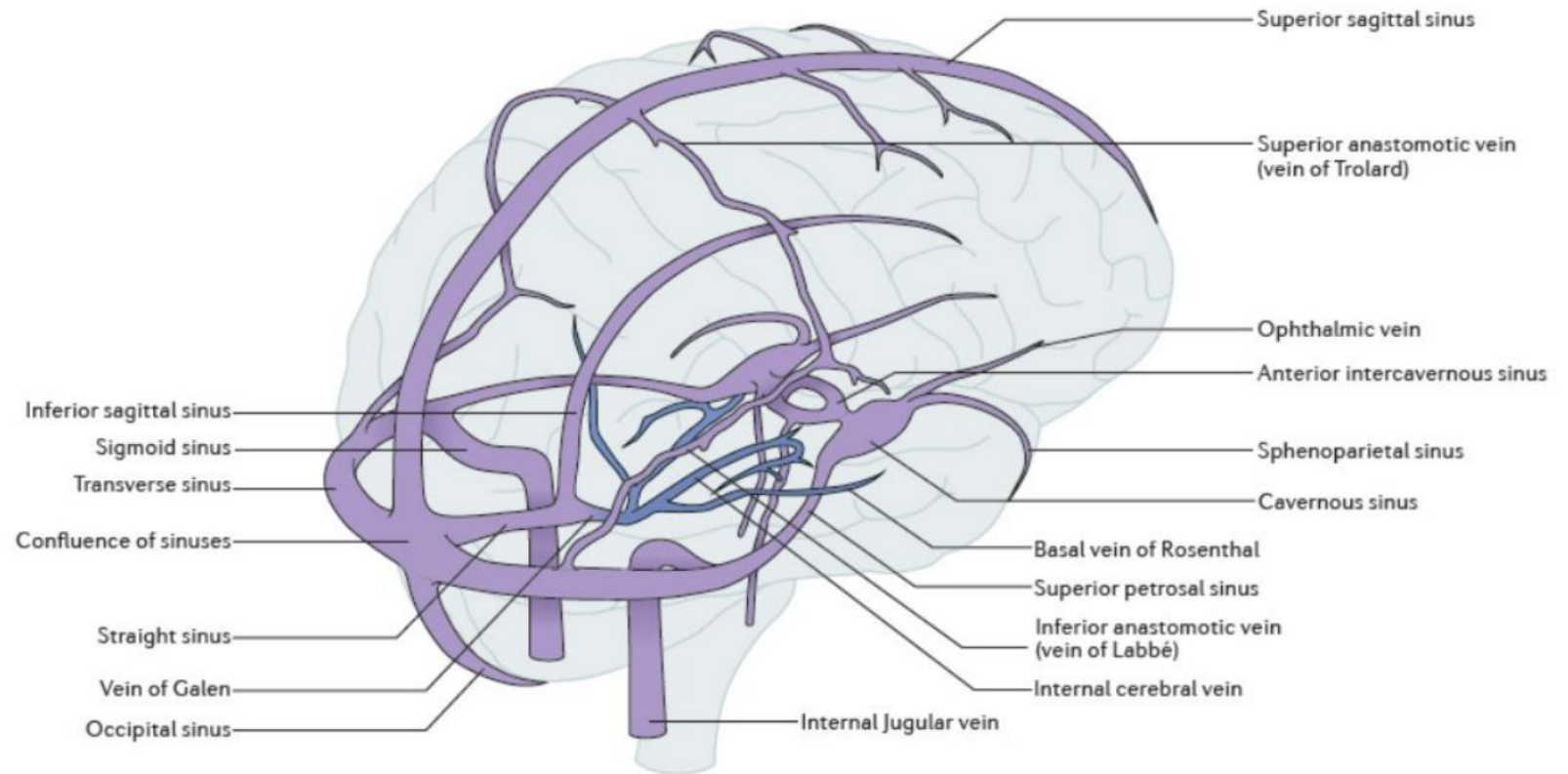


Figure 1 | **Anatomy of the cerebral venous system.** Diagram showing the main components of the cerebral venous system. Blue vessels represent the deep venous system.

SUMMARY

- 6 women (18-48 yrs old), no obvious risk pattern
- CVST with low platelets
- Within 2 weeks of vaccination with J&J vaccine
- Rare but serious event
- Requires clinical suspicion and specialized management
- Continued monitoring and reporting of events



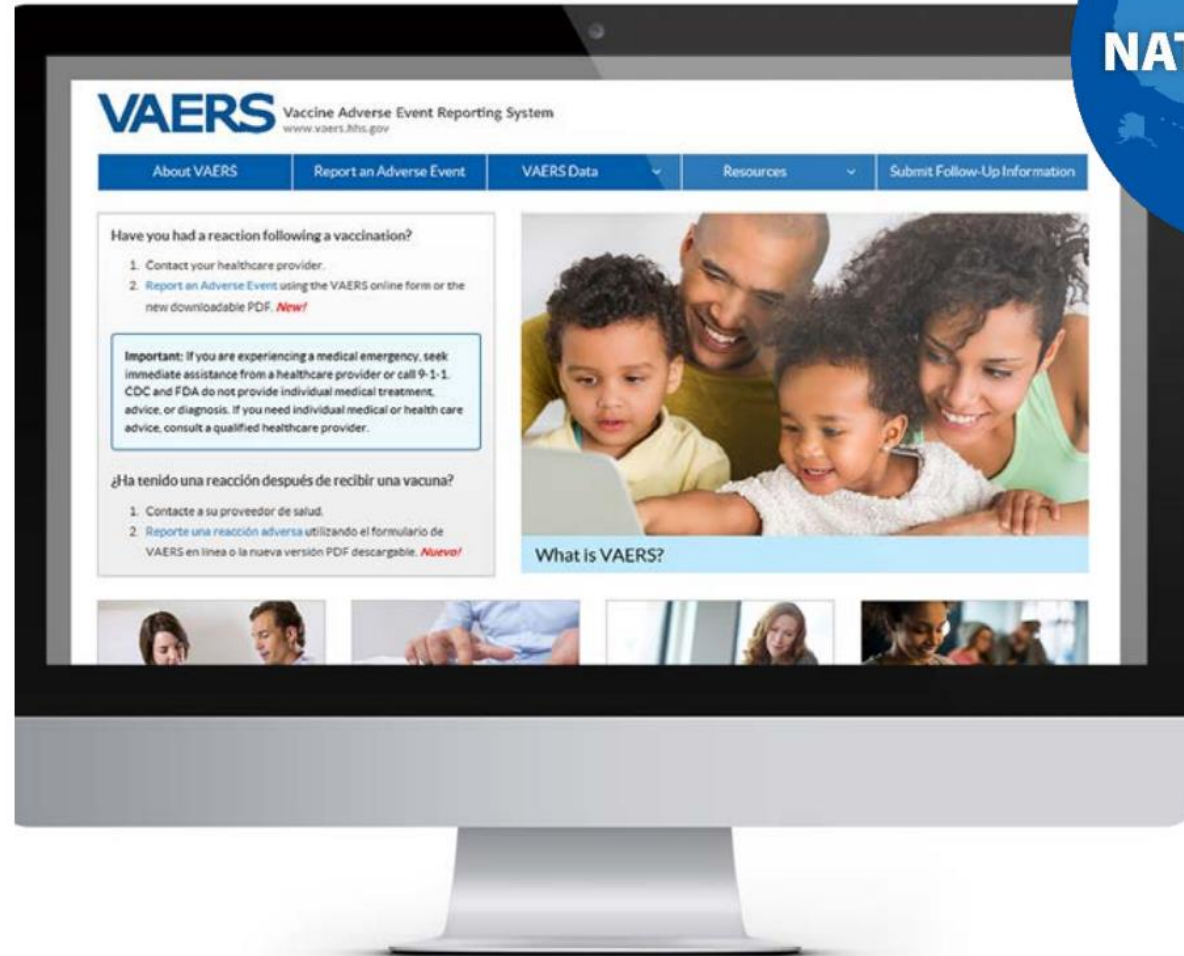
VAERS is the nation's early warning system for vaccine safety



VAERS

Vaccine Adverse Event Reporting System

<http://vaers.hhs.gov>



MHD J&J DISTRIBUTION

Site Name	Doses Administered
All Saints Catholic Church	43
Homebound	26
Greater New Birth Church	770
Super 8	10
American Family Field	97
Salvation Army Rescue Lodge	70
Pathfinders	17
Guest House of Milwaukee	68
Repairers of the Breech	38
Next Door	18
Milwaukee Rescue Mission	5
Women's Care Center	8
Friendship House	7
Wisconsin Center	15
North Division High School	88
South Division High School	142
Ambassador Inn Hotel	15
Mexican Consulate	38
Autumn West Community Advocate	10
Hillside Terrace	33
Convent Hill	20
Pathways	4
Total	1542



QUESTIONS?