

VAERS DATA: COVID-19 VACCINE MANUFACTURER COMPARISON ANALYSIS FOR BLOOD CLOTS, GUILLAIN-BARRE, AND TOTAL ADVERSE EVENTS REPORTED IN THE U.S.

All Covid-19 Vaccine-Associated U.S. Events Compared With U.S. Events Citing The Following Symptoms: Thrombosis, Thrombocytopenia, Thrombolytic, Thrombotic, Thrombus, Thrombophlebitis, Embolism, Carditis, Myocarditis, Pericarditis, Guillain-Barre - Through 8/20/2021

Report Run Date: 8/30/2021 (data captured through 8/20/2021)



	Vaccine Manufacturer	PFIZER\BIONTECH	MODERNA	JANSSEN	UNKNOWN MANUFACTURER	TOTAL INSTANCES <sup>1</sup>	TOTAL EVENTS <sup>1</sup>
	<b>Proportion of Vaccines Administered to U.S. Residents</b>	<b>54.1%</b>	<b>37.7%</b>	<b>8.1%</b>	<b>0.06%</b>		
<b>All Adverse Events</b>	Manufacturer Reported Deaths	3,159	3,063	610	28	6,860	6,128
	Manufacturer Adverse Events - Recovered	220,539	229,125	47,549	1,058	498,271	482,190
	Total Manufacturer Adverse Events Reported	223,698	232,188	48,159	1,086	505,131	488,318
	% Deaths (Deaths / Adverse Events)	1.4%	1.3%	1.3%	2.6%	1.4%	1.3%
	% Total Deaths Attributed to Manufacturer	46.0%	44.7%	8.9%	0.4%		
	% Total Adverse Events Attributed to Manufacturer	44.3%	46.0%	9.5%	0.2%		
	<b>Manufacturer Overall Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	<b>8.1%</b>	<b>-7.0%</b>	<b>-0.7%</b>	<b>-0.4%</b>		
	<b>Manufacturer Overall Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	<b>9.8%</b>	<b>-8.3%</b>	<b>-1.4%</b>	<b>-0.2%</b>		
<b>Blood Clots</b>	Manufacturer Blood Clot Deaths	185	163	93	4	445	392
	Manufacturer Blood Clot Events - Recovered	3,404	2,847	1,689	45	7,985	7,327
	Total Manufacturer Blood Clot Events Reported	3,589	3,010	1,782	49	8,430	7,719
	% Blood Clot Deaths (Deaths / Adverse Events)	5.2%	5.4%	5.2%	8.2%	5.3%	5.1%
	% Total Blood Clot Deaths Attributed to Manufacturer	41.6%	36.6%	20.9%	0.9%		
	% Total Blood Clot Adverse Events Attributed to Manufacturer	42.6%	35.7%	21.1%	0.6%		
	<b>Manufacturer Blood Clot Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	<b>12.5%</b>	<b>1.0%</b>	<b>-12.8%</b>	<b>-0.8%</b>		
	<b>Manufacturer Blood Clot Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	<b>11.5%</b>	<b>2.0%</b>	<b>-13.0%</b>	<b>-0.5%</b>		
<b>Guillain - Barre</b>	Manufacturer Guillain-Barre Deaths	5	2	1	-	8	8
	Manufacturer Guillain-Barre Events - Recovered	223	201	136	7	567	522
	Total Manufacturer Guillain-Barre Events Reported	228	203	137	7	575	530
	% Guillain-Barre Deaths (Deaths / Adverse Events)	2.2%	1.0%	0.7%	0.0%	1.4%	1.5%
	% Total Guillain-Barre Deaths Attributed to Manufacturer	62.5%	25.0%	12.5%	0.0%		
	% Total Guillain-Barre Adverse Events Attributed to Manufacturer	39.7%	35.3%	23.8%	1.2%		
	<b>Manufacturer Guillain-Barre Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	<b>-8.4%</b>	<b>12.7%</b>	<b>-4.4%</b>	<b>0.1%</b>		
	<b>Manufacturer Guillain-Barre Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	<b>14.5%</b>	<b>2.4%</b>	<b>-15.7%</b>	<b>-1.2%</b>		
<b>Carditis</b>	Manufacturer Carditis Deaths	13	12	5	1	31	27
	Manufacturer Carditis Events - Recovered	1,528	795	78	6	2,407	2,200
	Total Manufacturer Carditis Events Reported	1,541	807	83	7	2,438	2,227
	% Carditis Deaths (Deaths / Adverse Events)	0.8%	1.5%	6.0%	14.3%	1.3%	1.2%
	% Total Carditis Deaths Attributed to Manufacturer	41.9%	38.7%	16.1%	3.2%		
	% Total Carditis Adverse Events Attributed to Manufacturer	63.2%	33.1%	3.4%	0.3%		
	<b>Manufacturer Carditis Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	<b>12.2%</b>	<b>-1.0%</b>	<b>-8.0%</b>	<b>-3.2%</b>		
	<b>Manufacturer Carditis Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	<b>-9.1%</b>	<b>4.6%</b>	<b>4.7%</b>	<b>-0.2%</b>		

Sources: <https://wonder.cdc.gov/vaers.html>  
<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

NOTE 1: There are 488,318 distinct U.S. adverse events following Covid-19 vaccinations, including 530 distinct U.S. Guillain-Barre events, 7,719 distinct U.S. blood clot events, and 2,227 distinct U.S. carditis events reported to VAERS through 8/20/2021. Numerous patients met multiple criteria; therefore there are 505,131 total reported medical diagnoses following Covid-19 vaccinations, which include 8,430 instances of blood clots, 575 instances of Guillain-Barre, and 2,438 instances of carditis meeting the report criteria outlined above. But each value displayed on this report includes only distinct patient records (no duplicates) and percentages are calculated as a percent of total patient reports received. For instance, if a patient received a first dose of Pfizer vaccine and a second dose of Moderna vaccine, that patient's record would populate two instances in two categories.

NOTE 2: The "Index" values displayed in this report represent the proportion of fully vaccinated U.S. residents who received that manufacturer's vaccine, less the proportion of reported adverse events attributed to recipients of that manufacturer's product. For instance, to date, 8.1% of fully vaccinated U.S. residents received the Janssen vaccine. As of 8/20/2021, 8.9% of Covid-19 vaccine-associated deaths reported to VAERS were patients who received Janssen vaccines. So the Overall Mortality Index for the Janssen vaccine is 8.1% — 8.9% = -0.8%. The Overall Safety Index for the Janssen vaccine is the proportion of fully vaccinated U.S. residents who got the Janssen vaccine less the proportion of ALL adverse events reported for recipients of the Janssen vaccine, or 8.1% — 9.5% = -1.4%. (Figures are rounded for display; this note may display rounding errors.)