

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, Thrombophlebitis, Embolism, Carditis, Myocarditis, Pericarditis, Guillain-Barre - Through 7/16/2021

Report Run Date: 7/23/2021 (data captured through 7/16/2021)



	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>	53.2%	38.7%	8.0%	0.05%		
<b>All Adverse Events</b>	Manufacturer Reported Deaths	2,696	2,772	522	26	6,016	5,467
	Manufacturer Adverse Events - Recovered	196,776	192,632	43,479	982	433,869	420,483
	Total Manufacturer Adverse Events Reported	199,472	195,404	44,001	1,008	439,885	425,950
	% Deaths (Deaths / Adverse Events)	1.4%	1.4%	1.2%	2.6%	1.4%	1.3%
	% Total Deaths Attributed to Manufacturer	44.8%	46.1%	8.7%	0.4%		
	% Total Adverse Events Attributed to Manufacturer	45.3%	44.4%	10.0%	0.2%		
	<b>Manufacturer Overall Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	8.4%	-7.4%	-0.7%	-0.4%		
	<b>Manufacturer Overall Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	7.9%	-5.7%	-2.0%	-0.2%		
<b>Blood Clots</b>	Manufacturer Blood Clot Deaths	148	143	81	4	376	338
	Manufacturer Blood Clot Events - Recovered	3,009	2,521	1,550	41	7,121	6,562
	Total Manufacturer Blood Clot Events Reported	3,157	2,664	1,631	45	7,497	6,900
	% Blood Clot Deaths (Deaths / Adverse Events)	4.7%	5.4%	5.0%	8.9%	5.0%	4.9%
	% Total Blood Clot Deaths Attributed to Manufacturer	39.4%	38.0%	21.5%	1.1%		
	% Total Blood Clot Adverse Events Attributed to Manufacturer	42.1%	35.5%	21.8%	0.6%		
	<b>Manufacturer Blood Clot Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	13.9%	0.7%	-13.6%	-1.0%		
	<b>Manufacturer Blood Clot Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	11.1%	3.2%	-13.8%	-0.6%		
<b>Guillain - Barre</b>	Manufacturer Guillain-Barre Deaths	4	2	1	-	7	7
	Manufacturer Guillain-Barre Events - Recovered	186	171	94	5	456	422
	Total Manufacturer Guillain-Barre Events Reported	190	173	95	5	463	429
	% Guillain-Barre Deaths (Deaths / Adverse Events)	2.1%	1.2%	1.1%	0.0%	1.5%	1.6%
	% Total Guillain-Barre Deaths Attributed to Manufacturer	57.1%	28.6%	14.3%	0.0%		
	% Total Guillain-Barre Adverse Events Attributed to Manufacturer	41.0%	37.4%	20.5%	1.1%		
	<b>Manufacturer Guillain-Barre Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	-3.9%	10.2%	-6.3%	0.1%		
	<b>Manufacturer Guillain-Barre Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	12.2%	1.4%	-12.5%	-1.0%		
<b>Carditis</b>	Manufacturer Carditis Deaths	10	9	2	1	22	19
	Manufacturer Carditis Events - Recovered	1,315	665	65	4	2,049	1,880
	Total Manufacturer Carditis Events Reported	1,325	674	67	5	2,071	1,899
	% Carditis Deaths (Deaths / Adverse Events)	0.8%	1.3%	3.0%	20.0%	1.1%	1.0%
	% Total Carditis Deaths Attributed to Manufacturer	45.5%	40.9%	9.1%	4.5%		
	% Total Carditis Adverse Events Attributed to Manufacturer	64.0%	32.5%	3.2%	0.2%		
	<b>Manufacturer Carditis Mortality Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Deaths Attributed to Manufacturer</b>	7.8%	-2.2%	-1.1%	-4.5%		
	<b>Manufacturer Carditis Safety Index<sup>2</sup>: Proportion of Vaccines Administered Minus % Adverse Events Attributed to Manufacturer</b>	-10.7%	6.2%	4.8%	-0.2%		

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

NOTE 1: There are 425,950 distinct U.S. adverse events following Covid-19 vaccinations, including 429 distinct U.S. Guillain-Barre events, 6,900 distinct U.S. blood clot events, and 1,899 distinct U.S. carditis events reported to VAERS through 7/16/2021. Numerous patients met multiple criteria; therefore there are 439,885 total reported medical diagnoses following Covid-19 vaccinations, which include 7,497 instances of blood clots, 463 instances of Guillain-Barre, and 2,071 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, 8.0% of fully vaccinated U.S. residents received the Janssen vaccine. As of 7/16/2021, 8.7% 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 8.0% - 8.7% = -0.7%. 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 8.0% - 10.0% = -2.0%. (Figures are rounded for display; this note may display rounding errors.)