

THE HEART SHOT

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Data source for blue tables : [here](#)

Data source for red tables : [here](#)

Background : [here](#)

Myocarditis

The incidence of myocarditis with mRNA vaccines such as Comirnaty, Tozinameran, Moderna and Spikevax is much higher than the incidence with adenovirus vector vaccines such as Vaxzevria / Astrazeneca. The risk is 10 x greater with mRNA vaccines.

Reporting Incidence is 0.3% with mRNA, and 0.03% with adenovirus vector vaccines. The Proportional Reporting Ratio for myocarditis with Comirnaty is 3.65 meaning that the incidence is 3.65 times higher than the average for all other drugs. Viral-vector jabs are highlighted in yellow.

DRUG	myocarditis	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
COMIRNATY	9623	3373553	0.2852	11614111	8044	0.07	4.12
TOZINAMERAN	1733	534703	0.3241	14452961	15934	0.11	2.94
SPIKEVAX	3247	1308687	0.2481	13678977	14420	0.11	2.35
MODERNA	109	48233	0.226	14939431	17558	0.12	1.92
JCOVDEN	1	1763	0.0567	14985901	17666	0.12	0.48
VAXZEVRIA	278	746718	0.0372	14240946	17389	0.12	0.3
ASTRAZENECA	463	1410636	0.0328	13577028	17204	0.13	0.26

These are the lower confidence limits of the PRR scores for myocarditis. Notice that Comirnaty, Spikevax and Tozinameran are all mRNA jabs.

IPILIMUMAB	6.13
BAVENCIO	6.11
TISLELIZUMAB	5.93
LIBTAYO	4.4
POTELIGEO	4.39
OPDIVO	4.38
AVELUMAB	4.36
KEYTRUDA	4.01
COMIRNATY	4
PEMBROLIZUMAB	3.87
TOZINAMERAN	2.8
SPIKEVAX	2.27
NIVOLUMAB	2.08

Viral-Vector jabs such as Vaxzevria / Astrazeneca are completely absent, and therefore do not generate any safety signal for myocarditis.

Pericarditis

The incidence of pericarditis with mRNA vaccines such as Comirnaty, Tozinameran, Moderna and Spikevax is much higher than the incidence with adenovirus vector vaccines such as Vaxzevria / Astrazeneca. The risk is 10 x greater with mRNA vaccines.

Reporting Incidence is 0.3% with mRNA, and 0.03% with adenovirus vector vaccines.

DRUG	pericarditis	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
COMIRNATY	9447	3373553	0.28	11614111	6371	0.05	5.1
TOZINAMERAN	1321	534703	0.2471	14452961	14497	0.1	2.46
MODERNA	114	48233	0.2364	14939431	15704	0.11	2.25
SPIKEVAX	2220	1308687	0.1696	13678977	13598	0.1	1.71
JCOVDEN	2	1763	0.1134	14985901	15816	0.11	1.07
ELASOMERAN	1	1033	0.0968	14986631	15817	0.11	0.92
VAXZEVRIA	245	746718	0.0328	14240946	15573	0.11	0.3
ASTRAZENECA	401	1410636	0.0284	13577028	15417	0.11	0.25

These are the lower confidence limits of the PRR scores for pericarditis. Notice that Comirnaty, Tozinameran, Moderna and Spikevax are all mRNA jabs. Viral-vector jabs such as Vaxzevria are completely absent.

Select Symptom:

Show entries Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
COMIRNATY	4.95
ARAVA	3.5
ERELZI	3.26
ADALIMUMAB	2.87
TOZINAMERAN	2.33
MODERNA	1.87
NILOTINIB	1.79
SPIKEVAX	1.63
BENLYSTA	1.15
ILARIS	1.09
ABATACEPT	1.04

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Viral-Vector jabs such as Vaxzevria / Astrazeneca are completely absent, and therefore do not generate any safety signal for myocarditis or pericarditis.

Myopericarditis

DRUG	myopericarditi	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
MODERNA	54	48233	0.112	14939431	3186	0.02	5.25
TOZINAMERAN	427	534703	0.0799	14452961	2813	0.02	4.1
SPIKEVAX	850	1308687	0.065	13678977	2390	0.02	3.72
COMIRNATY	1669	3373553	0.0495	11614111	1571	0.01	3.66
VAXZEVRIA	43	746718	0.0058	14240946	3197	0.02	0.26
ASTRAZENECA	42	1410636	0.003	13577028	3198	0.02	0.13

For some reason, mRNA Covid shots were attacking the heart BUT adenovirus Covid shots were not.

If mRNA Covid jabs have 10x the incidence of cardiac issues compared to adenovirus vector jabs, then they will account for about 90 % of the cases of myocarditis, pericarditis and myopericarditis.

These are the lower confidence limits of the PRR scores for pericarditis. Notice that Comirnaty, Tozinameran, Moderna and Spikevax are all mRNA jabs.

Viral-vector jabs such as Vaxzevria \ Astrazeneca are completely absent and therefore do not generate a safety signal for myopericarditis.

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
MODERNA	4.01
TOZINAMERAN	3.71
SPIKEVAX	3.44
COMIRNATY	3.41

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Chest Pain

DRUG	chest pain	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
TOZINAMERAN	6024	534703	1.1266	14452961	66509	0.46	2.45
COMIRNATY	24653	3373553	0.7308	11614111	47880	0.41	1.77
MODERNA	388	48233	0.8044	14939431	72145	0.48	1.67
SPIKEVAX	9437	1308687	0.7211	13678977	63096	0.46	1.56
ELASOMERAN	7	1033	0.6776	14986631	72526	0.48	1.4
ASTRAZENECA	7650	1410636	0.5423	13577028	64883	0.48	1.13
VAXZEVRIA	2976	746718	0.3985	14240946	69557	0.49	0.82
JCOVDEN	6	1763	0.3403	14985901	72527	0.48	0.7

The only vaccine generating a safety signal (where PRR > 2) is Tozinameran (the brand name for Comirnaty batches that were shipped abroad)

Notice that the reported incidence rate is 1.18% which is double that for the viral-vector vaccine Vaxzevria.

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
EXUBERA	<u>3.41</u>
RANOLAZINE	<u>3.11</u>
ACCOFIL	<u>2.94</u>
PALYNZIQ	<u>2.91</u>
FLEBOGAMMA	<u>2.59</u>
AVANDAMET	<u>2.55</u>
VISUDYNE	<u>2.49</u>
EPTIFIBATIDE	<u>2.39</u>
TOZINAMERAN	<u>2.38</u>
ONBREZ	<u>2.37</u>
BONVIVA	<u>2.14</u>
ZARZIO	<u>2.01</u>

Only Tozinameran (an mRNA vaccine) has a safety signal for chest pain.

Cardiac Discomfort

DRUG	cardiac discomfort	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
JCOVDEN	5	1763	0.2836	14985901	2580	0.02	16.47
COMIRNATY	1451	3373553	0.043	11614111	1134	0.01	4.41
SPIKEVAX	530	1308687	0.0405	13678977	2055	0.02	2.7
VAXZEVRIA	134	746718	0.0179	14240946	2451	0.02	1.04
TOZINAMERAN	63	534703	0.0118	14452961	2522	0.02	0.68
MODERNA	2	48233	0.0041	14939431	2583	0.02	0.24
ASTRAZENECA	61	1410636	0.0043	13577028	2524	0.02	0.23

When we look at the lower confidence limits for these PRR scores, JCOVDEN drops out because of its small sample size.

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
COMIRNATY	4.08
SPIKEVAX	2.45

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Comirnaty and Spikevax (both mRNA vaccines) are the only two that generate a safety signal for "cardiac discomfort". JCOVDEN drops out because in the pint tables (online search engine) the minimum number of symptom records must be ≥ 10 .

Palpitations

DRUG	palpitation	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
TOZINAMERAN	4422	534703	0.827	14452961	53784	0.37	2.22
COMIRNATY	22551	3373553	0.6685	11614111	35655	0.31	2.18
JCOVDEN	13	1763	0.7374	14985901	58193	0.39	1.9
SPIKEVAX	7420	1308687	0.567	13678977	50786	0.37	1.53
ELASOMERAN	6	1033	0.5808	14986631	58200	0.39	1.5
ASTRAZENECA	7484	1410636	0.5305	13577028	50722	0.37	1.42
MODERNA	223	48233	0.4623	14939431	57983	0.39	1.19
VAXZEVRIA	2863	746718	0.3834	14240946	55343	0.39	0.99

Only Tozinameran and Comirnaty generate a safety signal (where PRR > 2). Notice that the reported incidence rate for Tozinameran is 0.827 % (1 in 120)

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
BETMIGA	<u>5.26</u>
MIRABEGRON	<u>4.94</u>
TRIXEO	<u>3.73</u>
RELVAR	<u>3.63</u>
EKLIRA	<u>3.49</u>
XAGRID	<u>3.31</u>
TRIMBOW	<u>3.17</u>
PREOTACT	<u>2.76</u>
RESOLOR	<u>2.7</u>
TELBIVUDINE	<u>2.66</u>
SUNOSI	<u>2.63</u>
CIRCADIN	<u>2.54</u>
TERROSA	<u>2.43</u>
DESLORATADINE	<u>2.27</u>
MOVYmia	<u>2.18</u>
TOZINAMERAN	<u>2.16</u>
ONBREZ	<u>2.15</u>
COMIRNATY	<u>2.14</u>
AERIUS	<u>2.12</u>
IVABRADINE	<u>2.08</u>
DUORESP	<u>2.05</u>

Arrhythmia

DRUG	arrhythmia	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
JCOVDEN	21	1763	1.1912	14985901	22908	0.15	7.79
COMIRNATY	10675	3373553	0.3164	11614111	12254	0.11	3
SPIKEVAX	2958	1308687	0.226	13678977	19971	0.15	1.55
VAXZEVRIA	1080	746718	0.1446	14240946	21849	0.15	0.94
ELASOMERAN	1	1033	0.0968	14986631	22928	0.15	0.63
TOZINAMERAN	496	534703	0.0928	14452961	22433	0.16	0.6
MODERNA	43	48233	0.0892	14939431	22886	0.15	0.58
ASTRAZENECA	544	1410636	0.0386	13577028	22385	0.16	0.23

Only JCOVDEN and Comirnaty generate a safety signal (where PRR > 2)

Select Symptom:

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Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
JCOVDEN	<u>5.09</u>
MULTAQ	<u>4.9</u>
TRAVATAN	<u>4.73</u>
BETMIGA	<u>4.69</u>
RELVAR	<u>4.16</u>
TIKOSYN	<u>3.95</u>
AVANDIA	<u>3.18</u>
PEGFILGRASTIM	<u>3.1</u>
METALYSE	<u>3.01</u>
COMIRNATY	<u>2.92</u>

Tachycardia

DRUG	tachycardia	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
JCOVDEN	25	1763	1.418	14985901	49433	0.33	4.3
ELASOMERAN	10	1033	0.9681	14986631	49448	0.33	2.93
COMIRNATY	19916	3373553	0.5904	11614111	29542	0.25	2.32
VAXZEVRIA	3695	746718	0.4948	14240946	45763	0.32	1.54
SPIKEVAX	6211	1308687	0.4746	13678977	43247	0.32	1.5
MODERNA	232	48233	0.481	14939431	49226	0.33	1.46
TOZINAMERAN	2423	534703	0.4531	14452961	47035	0.33	1.39
ASTRAZENECA	3153	1410636	0.2235	13577028	46305	0.34	0.66

Only JCOVDEN and Comirnaty generate a safety signal (where PRR > 2)

JCOVDEN	2.91
AERIUS	2.88
ZIAGEN	2.81
SONOVUE	2.78
XEVUDY	2.61
BRIDION	2.52
MIDAZOLAM	2.5
ABECMA	2.42
RELVAR	2.4
CASIRIVIMAB	2.34
COMIRNATY	2.28

Cardiac Flutter

DRUG	cardiac flutter	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
TOZINAMERAN	695	534703	0.13	14452961	1829	0.01	10.27
SPIKEVAX	342	1308687	0.0261	13678977	2182	0.02	1.64
ASTRAZENECA	292	1410636	0.0207	13577028	2232	0.02	1.26
COMIRNATY	577	3373553	0.0171	11614111	1947	0.02	1.02
VAXZEVRIA	38	746718	0.0051	14240946	2486	0.02	0.29

Only Tozinameran generates a safety signal (where PRR > 2)

Select Symptom:

Show entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
TOZINAMERAN	9.41
MULTAQ	2.7
ELIQUIS	1.61
SPIKEVAX	1.46
AVANDIA	1.12
ASTRAZENECA	1.11

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There are a number of tests used as biomarkers for myocarditis. These include -

1. Troponin
2. Echocardiogram
3. Electrocardiogram with ST Segment Elevation
4. Magnetic Resonance Imaging of the Heart

Troponin

The score here is for all symptoms that include the word "troponin"

DRUG	troponin	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
CELSENTRI	1	626	0.1597	14987038	128	0	187.04
EXVIERA	1	4368	0.0229	14983296	128	0	26.8
BEXTRA	1	4636	0.0216	14983028	128	0	25.25
GANCICLOVIR	1	4799	0.0208	14982865	128	0	24.39
ESOMEPRAZOLE	1	5434	0.0184	14982230	128	0	21.54
SPIKEVAX	63	1308687	0.0048	13678977	66	0	9.98
PREVENAR	1	12728	0.0079	14974936	128	0	9.19
HUMAN	1	12962	0.0077	14974702	128	0	9.03
OPSUMIT	1	45278	0.0022	14942386	128	0	2.58
PANDEMRIX	1	50551	0.002	14937113	128	0	2.31
COMIRNATY	44	3373553	0.0013	11614111	85	0	1.78
ZOSTAVAX	1	73453	0.0014	14914211	128	0	1.59
KEYTRUDA	1	107405	0.0009	14880259	128	0	1.08
ASTRAZENECA	8	1410636	0.0006	13577028	121	0	0.64
TOZINAMERAN	2	534703	0.0004	14452961	127	0	0.43
VAXZEVRIA	1	746718	0.0001	14240946	128	0	0.15

The only vaccine generating a safety signal (where PRR > 2) is Spikevax

Select Symptom:

Show entries Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
SPIKEVAX	7.06
COMIRNATY	1.24

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Troponin Abnormal

DRUG	troponin abnormal	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
RYDAPT	1	1071	0.0934	14986593	108	0	129.57
EVUSHELD	1	1353	0.0739	14986311	108	0	102.56
LIBTAYO	1	2192	0.0456	14985472	108	0	63.3
ALDURAZYME	1	3342	0.0299	14984322	108	0	41.52
CARFILZOMIB	1	4944	0.0202	14982720	108	0	28.06
APIXABAN	2	11914	0.0168	14975750	107	0	23.5
PEMBROLIZUMAB	2	18920	0.0106	14968744	107	0	14.79
TICAGRELOR	1	9470	0.0106	14978194	108	0	14.64
MEKINIST	1	16257	0.0062	14971407	108	0	8.53
JANUMET	1	17505	0.0057	14970159	108	0	7.92
INLYTA	1	24400	0.0041	14963264	108	0	5.68
COMIRNATY	67	3373553	0.002	11614111	42	0	5.49
KEYTRUDA	4	107405	0.0037	14880259	105	0	5.28
GARDASIL9	1	41282	0.0024	14946382	108	0	3.35
OLANZAPINE	1	44801	0.0022	14942863	108	0	3.09
ZOSTAVAX	1	73453	0.0014	14914211	108	0	1.88
TOZINAMERAN	6	534703	0.0011	14452961	103	0	1.57
IBRANCE	1	102454	0.001	14885210	108	0	1.35
ASTRAZENECA	10	1410636	0.0007	13577028	99	0	0.97
SPIKEVAX	5	1308687	0.0004	13678977	104	0	0.5

Select Symptom:

Show entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
COMIRNATY	3.73

Showing 1 to 1 of 1 entries

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Only Comirnaty (an mRNA vaccine) generates a safety signal for "troponin abnormal"

Troponin Increased

DRUG	troponin increased	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
COMIRNATY	933	3373553	0.0277	11614111	1496	0.01	2.15
TOZINAMERAN	146	534703	0.0273	14452961	2283	0.02	1.73
SPIKEVAX	250	1308687	0.0191	13678977	2179	0.02	1.2
ASTRAZENECA	93	1410636	0.0066	13577028	2336	0.02	0.38
MODERNA	3	48233	0.0062	14939431	2426	0.02	0.38
VAXZEVRIA	38	746718	0.0051	14240946	2391	0.02	0.3

Select Symptom:

Show entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
ZOLGENSMA	28.7
KEYTRUDA	4.16
ARIPIRAZOLE	4.04
OLANZAPINE	2.57
PEMBROLIZUMAB	2.23
OPDIVO	2.19
PRIVIGEN	2.14
COMIRNATY	1.98
JARDIANCE	1.53
CLOPIDOGREL	1.47
TOZINAMERAN	1.46

Even though the lower confidence limit of the PRR is less than 2 for Comirnaty (an mRNA vaccine), it is a very close call.

Troponin i

DRUG	troponin	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
FLUTICASONE	1	1227	0.0815	14986437	15	0	814.26
KEPPRA	1	38907	0.0026	14948757	15	0	25.61
SPIKEVAX	10	1308687	0.0008	13678977	6	0	17.42
VAXZEVRIA	1	746718	0.0001	14240946	15	0	1.27
COMIRNATY	3	3373553	0.0001	11614111	13	0	0.79

Spikevax (an mRNA vaccine) has a strong safety signal for "troponin i"

Select Symptom:

Show entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
SPIKEVAX	6.33

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Troponin t

DRUG	troponin t increased	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
COMIRNATY	153	3373553	0.0045	11614111	214	0	2.46
LEVOFLOXACIN	2	33985	0.0059	14953679	365	0	2.41
DEXAMETHASONE	2	34771	0.0058	14952893	365	0	2.36
VIAGRA	1	17564	0.0057	14970100	366	0	2.33
LATUDA	1	18492	0.0054	14969172	366	0	2.21
LEMTRADA	1	18784	0.0053	14968880	366	0	2.18
PRIVIGEN	1	19700	0.0051	14967964	366	0	2.08
CHAMPIX	2	41627	0.0048	14946037	365	0	1.97
INSULIN	1	22161	0.0045	14965503	366	0	1.85
VOTRIENT	1	22719	0.0044	14964945	366	0	1.8
AFINITOR	2	48182	0.0042	14939482	365	0	1.7
SPRYCEL	1	26888	0.0037	14960776	366	0	1.52
TASIGNA	1	32960	0.003	14954704	366	0	1.24
CIMZIA	2	68318	0.0029	14919346	365	0	1.2
TRACLEER	1	34525	0.0029	14953139	366	0	1.18
ENBREL	1	38127	0.0026	14949537	366	0	1.07
EXJADE	1	44635	0.0022	14943029	366	0	0.91
PANDEMRIX	1	50551	0.002	14937113	366	0	0.81
BEXSERO	1	52110	0.0019	14935554	366	0	0.78
XTANDI	1	57975	0.0017	14929689	366	0	0.7
XOLAIR	1	62383	0.0016	14925281	366	0	0.65
PLAVIX	1	75113	0.0013	14912551	366	0	0.54
SPIKEVAX	15	1308687	0.0011	13678977	352	0	0.45
VAXZEVRIA	8	746718	0.0011	14240946	359	0	0.42
TOZINAMERAN	4	534703	0.0007	14452961	363	0	0.3
ASTRAZENECA	2	1410636	0.0001	13577028	365	0	0.05

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
ZOLGENSMA	160.22
KEYTRUDA	3.52
COMIRNATY	2

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Comirnaty (an mRNA vaccine) has a strong safety signal for "troponin t increased"

Echocardiogram

DRUG	echocardiogram	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
GARDASIL9	11	41282	0.0266	14946382	149	0	26.73
SPIKEVAX	104	1308687	0.0079	13678977	56	0	19.41
MABTHERA	1	7925	0.0126	14979739	159	0	11.89
OFEV	1	21677	0.0046	14965987	159	0	4.34
TRACLEER	1	34525	0.0029	14953139	159	0	2.72
HUMALOG	2	73075	0.0027	14914589	158	0	2.58
OPSUMIT	1	45278	0.0022	14942386	159	0	2.08
CLOPIDOGREL	1	61029	0.0016	14926635	159	0	1.54
ZOSTAVAX	1	73453	0.0014	14914211	159	0	1.28
GARDASIL	1	95990	0.001	14891674	159	0	0.98
ASTRAZENECA	11	1410636	0.0008	13577028	149	0	0.71
COMIRNATY	23	3373553	0.0007	11614111	137	0	0.58
VAXZEVRIA	1	746718	0.0001	14240946	159	0	0.12

Select Symptom:

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Drug	Lower Confidence Limit of Proportional Reporting Ratio
GARDASIL9	14.49
SPIKEVAX	14.03

Showing 1 to 2 of 2 entries

Echocardiogram Abnormal

DRUG	echocardiogram abnormal	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
SPIKEVAX	81	1308687	0.0062	13678977	229	0	3.7
COMIRNATY	77	3373553	0.0023	11614111	233	0	1.14
TOZINAMERAN	5	534703	0.0009	14452961	305	0	0.44
ASTRAZENECA	3	1410636	0.0002	13577028	307	0	0.09

Select Symptom: echocardiogram abnormal

Show 50 entries

Search:

Drug Lower Confidence Limit of Proportional Reporting Ratio

SPIKEVAX	2.87
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Showing 1 to 1 of 1 entries

Previous 1 Next

Electrocardiogram ST Segment Elevation

DRUG	electrocardiogram st segment elevatio	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
COMIRNATY	294	3373553	0.0087	11614111	528	0	1.92
TOZINAMERAN	28	534703	0.0052	14452961	794	0.01	0.95
SPIKEVAX	64	1308687	0.0049	13678977	758	0.01	0.88
VAXZEVRIA	7	746718	0.0009	14240946	815	0.01	0.16
ASTRAZENECA	10	1410636	0.0007	13577028	812	0.01	0.12

Select Symptom:

Show entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
METALYSE	202.44
SONOVUE	28.4
FENTANYL	8.97
CLOPIDOGREL	6.96
IBUPROFEN	4.6
PLAVIX	2.03
COMIRNATY	1.66

Showing 1 to 7 of 7 entries

Previous 1 Next

Only Comirnaty, an mRNA Covid jab, generates a significant increase in this symptom.

Magnetic Resonance Imaging Heart

DRUG	magnetic resonance imaging hear	DRUG-TOTAL	%	OTHER-TOT	OTHER-SYM	% OTHER	PRR
MEPOLIZUMAB	2	12478	0.016	14975186	29	0	82.77
SPIKEVAX	17	1308687	0.0013	13678977	14	0	12.69
COMIRNATY	11	3373553	0.0003	11614111	20	0	1.89
ASTRAZENECA	1	1410636	0.0001	13577028	30	0	0.32

Select Symptom: magnetic resonance imaging heart

Show 10 entries

Search:

Drug	Lower Confidence Limit of Proportional Reporting Ratio
SPIKEVAX	7.06
COMIRNATY	1.24

Showing 1 to 2 of 2 entries

Previous 1 Next

So, with the exception of cardiac rhythm effects produced by JCOVden, the great majority of cardiac adverse reactions are generated following mRNA jabs. Astrazeneca, and Vaxzevria are completely absent of these effects.

What are the Most Common Symptoms of Cardiac Disorder?

Chest pain, Tachycardia and Palpitations are the most common symptoms occurring in 0.5 - 1% of **reported cases** for **mRNA vaccines** depending upon brand.

Myocarditis or pericarditis develop in about a third of these cases.

Cardiac and Neurological Complications Post COVID-19 Vaccination: A Systematic Review of Case Reports and Case Series

<https://www.mdpi.com/2076-393X/12/6/575>

by Kai Wei Lee, Sook Fan Yap, Syafinaz Amin-Nordin and Yun Fong Ngeow

Vaccines 2024, 12(6), 575;

<https://doi.org/10.3390/vaccines12060575>

Published: 24 May 2024

"Abstract

Following mass vaccinations for the control of the COVID-19 epidemic, a spectrum of cardiac and neurological disorders was reported among vaccinated individuals. This study examined the range of complications documented and factors related to their occurrence. Three electronic databases were searched for case reports and case series with descriptions of cardiac and/or neurological complications in COVID-19 vaccine recipients. A total of 698 vaccinees were included in this review, of which 259 (37.1%) had cardiac and 439 (62.9%) had neurological complications. Inflammatory conditions were the commonest among the cardiac complications; while polyneuropathy, demyelinating diseases and cerebrovascular disorders were the more common neurological complications. The mean age of those with cardiac complications (33.8 years) was much younger than those with neurological complications (49.7 years). There was no notable difference in the gender distribution between these two groups of vaccine recipients. **mRNA vaccines (all brands) were associated with almost 90.0% of the cardiac complications**, whereas viral vector vaccines were associated with slightly over half (52.6%) of the neurological complications. With regard to the dose, **cardiac complications were more common after the second (69.1%)**, whereas neurological complications were more common after the first dose (63.6%). The majority of the cases had an uncomplicated clinical course. Nevertheless, 5.9% of cases with neurological complications and **2.5% of those with cardiac complications were fatal**, underscoring the significance of the consistent surveillance and vigilant monitoring of vaccinated individuals to mitigate these occurrences."

This paper shows that mRNA Covid jabs were associated with almost 90% of the cardiac complications.

Complications following the administration of approved vaccines have been reported worldwide [1]. These complications affected different organ systems, two of the most widely recognized being the **cardiovascular and nervous systems**. The most common cardiac complication reported was **myocarditis** [2], while the neurological complications most often reported included **Guillain-Barré syndrome (GBS)** [3], **transverse myelitis** [4] and **Bell palsy** [5].

Types of Cardiac Injury

- Inflammation of the heart 85.3% or 221 cases
- Acute myocardial infarction 5.8%
- Cardiomyopathy 4.2%
- Myocardial injury 3.5%
- Arrhythmia 1.2%

Sub-categories for Inflammation of the Heart

- myocarditis 68.77 % or 152/221 cases
- myopericarditis 17.19 % or 38/221 cases
- pericarditis 9.95 % or 22/221 cases
- kounis syndrome 1.3% or 3/221 cases
- non-specific inflammation 2.7% or 6/221 cases

% of Cases of Cardiac injury caused by each type of vaccine

- mRNA 90% of the cases of cardiac injury
- Viral vector vaccines 8.55 % of the cases of cardiac injury
- Inactivated vaccines 1.5% of the cases of vaccine injury

% of Cases of Cardiac injury associated with each brand of mRNA vaccine

- Pfizer 62.2%
- Moderna 25.5%
- Other mRNA vaccines 2.3%

Neurological Disorders

Regarding the cases of neurological disorder -

Slightly more than half (53.6%) received viral vector vaccines, 42.1% received mRNA vaccines, and a small number (4.4%) received inactivated vaccines.

Once again, inactivated vaccines were associated with the least number of cases.