

# Vaccine Safety Ratings

which vaccines cause heart damage ?

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## Data Source

The VAERS data from 1990 to 2008, a period of 18 years, was used.

This database contained the frequency of each symptom for each vaccine. I looked at 300,000 adverse reaction reports covering 3110 different symptoms and 66 different vaccines.

All of the data files can be found here - [VAERS Nov 11th Downloadable files \(vaersaware.com\)](http://vaersaware.com)

## Method

The number of reports with a particular symptom was expressed as a percentage of the total number of reports for that vaccine. This enabled me to make a comparison between different vaccines for any symptom.

I was curious to see which vaccines are associated with heart damage. To assess this, I looked at the frequency of symptoms for -

1. chest pain,
2. chest discomfort,
3. cardiac arrest
4. cardiac failure
5. myocardial infarction
6. myocarditis
7. tachycardia
8. arrhythmia
9. pericarditis
10. pericardial effusion
11. troponin increase

## Results

The full results are available as a csv file – <https://howbad.info/heart-damage.csv>.

This number is the % of all the reports for the vaccine where the symptom is cardiac arrest

VAX_TYPE	Chest pain
SMALL	5.463134114
JEV	2.032520325
ANTH	1.362207475
YF	1.310861423
RAB	1.118053272
TYP	1.099656357
FLU3	1.062479302
FLUX	1.047054371
FLUN3	1.030927835
HPVX	0.952380952
MEN	0.890207715
CHOL	0.826446281
TD	0.77454586
MU	0.724637681
HEP	0.691624365
MEA	0.654664484
HEPAB	0.636435959
UNK	0.628272251
DT	0.57660626
TTOX	0.54328142
MNQ	0.51159618
PPV	0.462962963
TDAP	0.450395618
HEPA	0.440624097

VAX_TYPE	Cardiac arrest
MU	0.724637681
HBPV	0.348432056
JEV	0.203252033
HBHEPB	0.172830971
DTAPHEPBIP	0.157977883
PNC	0.106475656
HEPAB	0.079554495
HIBV	0.079465989
DTP	0.079456167
FLUX	0.075690677
FLU3	0.068992162
IPV	0.06116208
OPV	0.060370524
VARZOS	0.057186428
FLUN3	0.051546392
DTAP	0.046435521
DTPHIB	0.044124136
RV5	0.043802015
PPV	0.033068783
HEP	0.029610829
LYME	0.028710881
TYP	0.022909507
HEPA	0.021670038
HPV4	0.02114761
SMALL	0.020538098

VAX_TYPE	Chest discomfort
SMALL	1.23228589
JEV	1.219512195
YF	0.889513109
HEPAB	0.715990453
MEN	0.712166172
FLUN3	0.670103093
FLU3	0.640247268
MER	0.531914894
TDAP	0.450395618
TYP	0.412371134
ANTH	0.395855164
FLUX	0.365838274
TTOX	0.362187613
RAB	0.361723117
HBPV	0.348432056
MNQ	0.34106412
HEPA	0.317827218
HPV4	0.260820527
VARZOS	0.209683568
TD	0.206174078
RUB	0.205338809
PPV	0.174792139
HEP	0.16285956
UNK	0.157068063
MMR	0.066247729

VAX_TYPE	Cardiac failure
SMALL	0.15910899
JEV	0.093632959
ANTH	0.037845339
YF	0.029416091
RAB	0.023285598
TYP	0.022077492
FLU3	0.021150592
FLUX	0.020538098
FLUN3	0.011319473
HPVX	0.009679605
MEN	0.007946599
CHOL	0.007049203
TD	0.006633646
MU	0.005678377
HEP	0.004724112
MEA	0.003219057
HEPAB	0.002392688
UNK	0
DT	0
TTOX	0
MNQ	0
PPV	0
TDAP	0
HEPA	0
LYME	0

VAX_TYPE	Acute myocardial infarction
ANTH	0.023285598
SMALL	0.020538098
HEPAB	0
YF	0
FLUX	0
DTPHIB	0
FLU3	0
HEP	0
OPV	0
PNC	0
HIBV	0
HPV4	0
DTAP	0
MMR	0
PPV	0
IPV	0
VARCEL	0
MU	0
HBPV	0
JEV	0
HBHEPB	0
DTAPHEPBIP	0
DTP	0
VARZOS	0
FLUN3	0

VAX_TYPE	Myocarditis
SMALL	0.349147669
TYP	0.09163803
MEN	0.059347181
FLUX	0.050460452
ANTH	0.034928397
HBHEPB	0.017283097
TD	0.011144545
HEP	0.008460237
FLU3	0.008279059
HEPA	0.007223346
PNC	0.004839803
DTP	0.004414231
OPV	0.003773158
IPV	0.003219057
HIBV	0.002648866
VARCEL	0.002392688
DTAP	0.002211215
FLUN3	0
YF	0
PPV	0
MMR	0
HEPAB	0
DTPHIB	0
HPV4	0
MU	0

VAX_TYPE	Myocardial infarction
SMALL	0.164304785
FLUX	0.126151129
MEN	0.059347181
ANTH	0.058213995
FLUN3	0.051546392
YF	0.046816479
FLU3	0.041395297
HEP	0.010575296
HEPA	0.007223346
PPV	0.004724112
DTP	0.004414231
MMR	0.003785584
OPV	0.003773158
HIBV	0.002648866
HEPAB	0
DTPHIB	0
PNC	0
HPV4	0
DTAP	0
IPV	0
VARCEL	0
MU	0
HBPV	0
JEV	0
HBHEPB	0

VAX_TYPE	Tachycardia
TYP	0.229095074
YF	0.187265918
UNK	0.157068063
TD	0.156023626
FLUX	0.151381355
HEP	0.13536379
SMALL	0.123228589
FLU3	0.121426206
MEN	0.118694362
DTPHIB	0.117664362
OPV	0.098102102
MMR	0.090854028
PPV	0.085034014
DT	0.082372323
ANTH	0.081499593
HEPAB	0.079554495
DTP	0.075041935
HIBV	0.074168256
TTOX	0.072437523
RAB	0.06576784
FLUN3	0.051546392
HEPA	0.050563421
DTAP	0.035379445
HBHEPB	0.034566194
MMR	0.024106412

VAX_TYPE	Arrhythmia
CHOL	0.826446281
MER	0.531914894
SMALL	0.143766687
FLUX	0.113536016
TTOX	0.108656284
ANTH	0.10478519
LYME	0.086132644
FLU3	0.082790595
HEP	0.071912014
PPV	0.056689342
TD	0.055722724
HEPA	0.050563421
HPV4	0.049344424
YF	0.046816479
TYP	0.045819015
DTP	0.044142315
DT	0.041186161
TDAP	0.036518564
HIBV	0.034435262
RAB	0.03288392
MMR	0.032177468
OPV	0.030185262
RV5	0.021901007
IPV	0.019314341
DTAP	0.015478507

VAX_TYPE	Myopericarditis
SMALL	0.061614295
CHOL	0
MER	0
FLUX	0
TTOX	0
ANTH	0
LYME	0
FLU3	0
HEP	0
PPV	0
TD	0
HEPA	0
HPV4	0
YF	0
TYP	0
DTP	0
DT	0
TDAP	0
HIBV	0
RAB	0
MMR	0
OPV	0
RV5	0
IPV	0
DTAP	0

VAX_TYPE	Pericardial effusion
SMALL	0.061614295
MEN	0.059347181
ANTH	0.023285598
HPV4	0.007049203
DTAP	0.006633646
MMR	0.005678377
FLU3	0.005519373
HIBV	0.005297733
PPV	0.004724112
HEP	0.004230118
IPV	0.003219057
VARCEL	0.002392688
CHOL	0
MER	0
FLUX	0
TTOX	0
LYME	0
TD	0
HEPA	0
YF	0
TYP	0
DTP	0
DT	0
TDAP	0
RAB	0

VAX_TYPE	Pericarditis
SMALL	0.349147669
RUB	0.102669405
FLUN3	0.051546392
FLUX	0.050460452
ANTH	0.046571196
TYP	0.045819015
LYME	0.028710881
FLU3	0.011038746
HEP	0.008460237
HEPA	0.007223346
VARCEL	0.002392688
MMR	0.001892792
MEN	0
HPV4	0
DTAP	0
HIBV	0
PPV	0
IPV	0
CHOL	0
MER	0
TTOX	0
TD	0
YF	0
DTP	0
DT	0

VAX_TYPE	Troponin I
SMALL	0.061614295
FLUN3	0.051546392
TYP	0.045819015
ANTH	0.011642799
TD	0.005572272
HEP	0.002115059
RUB	0
FLUX	0
LYME	0
FLU3	0
HEPA	0
VARCEL	0
MMR	0
MEN	0
HPV4	0
DTAP	0
HIBV	0
PPV	0
IPV	0
CHOL	0
MER	0
TTOX	0
YF	0
DTP	0
DT	0

Notice how the same vaccines show the highest percentages across all of the symptoms relating to heart damage. This is conclusive that these vaccines cause a degree of heart damage, and you can see how that degree varies from one vaccine to the next.

SMALLPOX vaccine is prominent, consistently having the highest rating across multiple symptoms.

The FLU vaccines are also prominent. FLUN3 has been observed to increase troponin, and FLUN3 and FLUX were the 3<sup>rd</sup> and 4<sup>th</sup> ranked for Pericarditis. FLUX is the 4<sup>th</sup> ranked for myopericarditis, the 4<sup>th</sup> ranked for arrhythmia, the 5<sup>th</sup> ranked for Tachycardia, and the 2<sup>nd</sup> ranked for Myocardial infarction.

What is remarkable is the efficiency by which this method can spot safety signals. The signal is not just YES or NO – it provides a gradation, so you can see the levels of toxicity in other vaccines !

## Assessing the Risks

When deciding whether to take a vaccine we must weigh the risks – either choosing natural immunity or a vaccine with its side effects. In order to help you do this, I am producing frequent analyses of side effects similar to this one.

I have also uploaded the entire file for the 1990-2008 period, so you can carry out your own searches. It is available here – <https://howbad.info/vax-safety.csv>

## Further Studies

This analysis is only for vaccines from 1990 to 2008, so it does not include the COVID-19 vaccine. The reason for the limited time period was the memory capacity of the software I am using. I hope to improve the software so I can extend the amount of data being processed.

This analysis only focused on heart damage. I intend to carry out additional analyses for symptoms related to clotting, bleeding, cancer, immune deficiency, reproductive disorder and many more.

With children in America being given so many vaccines during the first years of life, it is important for parents to know which vaccines are safer, and which are more dangerous. I hope studies like this help.

## Code

The python code I used for this analysis can be viewed here – <https://howbad.info/vaccine-safety.html>