Asthenia: age distribution, VAERS data* (U.S. and foreign), 1990.07−2024.08.30[†]

Draft v32.5

n per manufacturer

Janssen	4218
Moderna	20654
Novavax	17
Pfizer	39232
Unknown	193

Age = unknown[‡‡]

COVID-19	3988
All other	1119

n symptoms

COVID-19	1
All other	1

Onset date[‡]

Date range	n IDs
2024, 07−08	10
05−06	50
03−04	42
2024, 01−02	68
11−12	259
09−10	433
07−08	93
05−06	142
03−04	274
2023, 01−02	428
11−12	804
09−10	923
07−08	815
05−06	1003
03−04	925
2022, 01−02	3407
11−12	5482
09−10	5062
07−08	6848
05−06	8265
03−04	13389
2021, 01−02	10908
2020, 11−12	902
Unknown	3782

Onset interval[‡]

n days	n IDs
≤ 3	38033
5	1702
10	2672
20	2451
30	1795
60	1817
90	988
120	693
150	681
180	894
210	707
≥ 211	3698
Unk.	8183

	All COVID-19 2020.12.14−2024.08.30	All non-COVID-19 1990.07−2020.12.13
n VAERS IDs	64314	23603
μ, Mean[‡‡]	54.4	41.0
$\hat{x}$, Median[‡‡]	55.0	41.0
σ, Standard deviation[‡‡]	19.8	23.9
γ, Skewness[‡‡]	−0.1	0.0
n Hospitalized	14956	4268
n Life threatening	3819	1119
n Recovered	17333	10429
n Not recovered	33582	6789
n Died	2055	205

[†]Terms queried in SYMPTOM fields 1−5 include: asthenia. Terms excluded: myasthenia gravis, myasthenia gravis crisis, and ocular myasthenia.

[‡‡]Natural language processing was used to extract age values from SYMPTOM TEXT & fill in missing data. Remaining reports with unknown age are neither plotted, nor included in calculations, but are included in subtotals (n VAERS IDs etc).

[‡]Onset of symptoms post vaccine. n IDs are all COVID-19.

*VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'. If a safety signal is found ..., further studies can be done in safety systems such as the CDC's [VSD & CISA]." "Note that the inclusion of events in VAERS data does not infer causality." vaers.hhs.gov