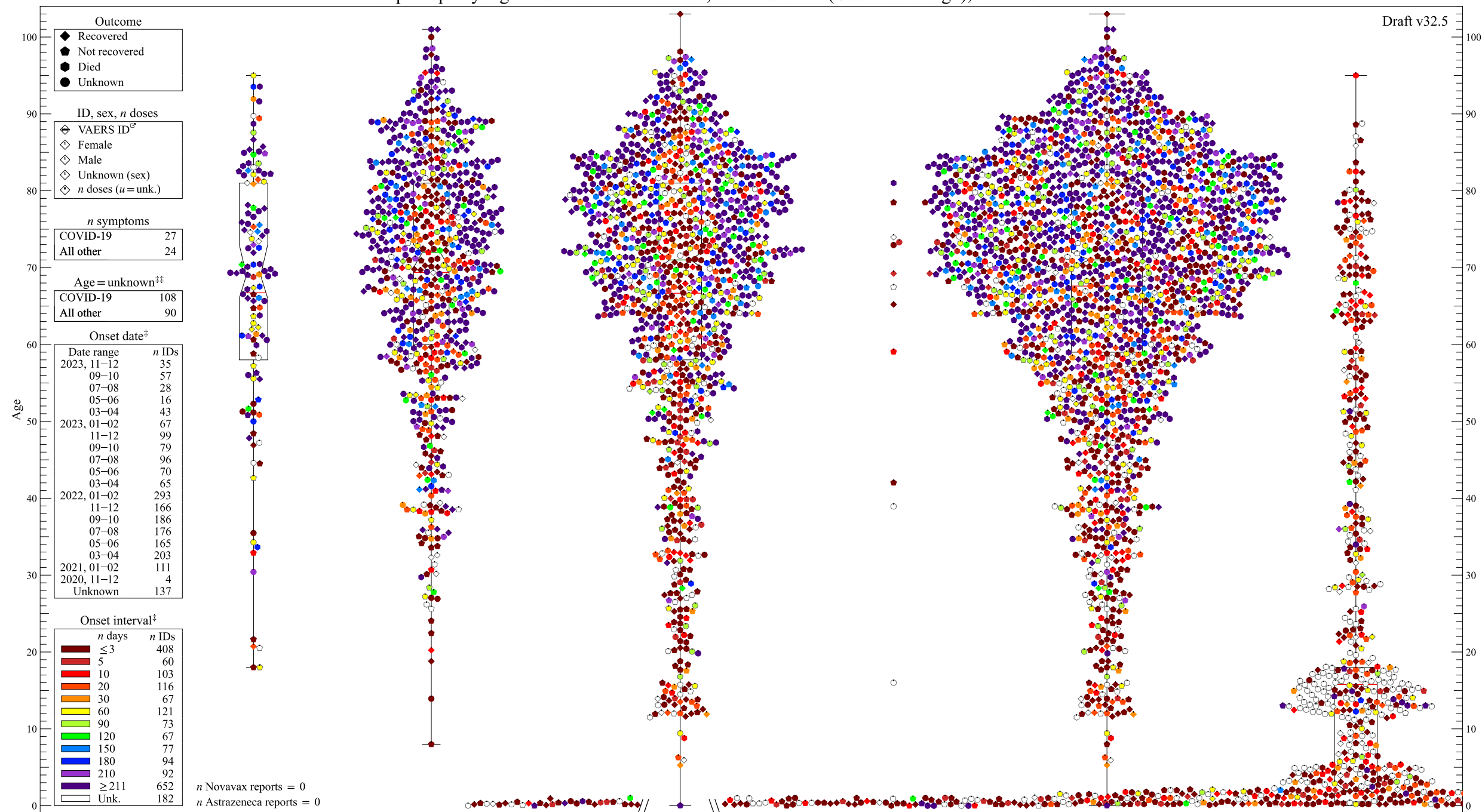


Encephalopathy: age and vaccine distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30[†]

Draft v32.5



	Janssen COVID-19	Moderna COVID-19	Pfizer/BioNTech COVID-19	Unknown manufacturer COVID-19	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	125	722	1221	44	2112	1033
μ , Mean ^{‡‡} —	66.7	69.4	66.7	61.5	67.6	15.8
\hat{x} , Median ^{‡‡} —	69.0	72.0	71.0	68.0	71.0	2.0
σ , Standard deviation ^{‡‡}	17.2	16.1	19.8	19.5	18.5	23.6
γ , Skewness ^{‡‡}	-0.9	-0.8	-1.1	-1.4	-1.0	-1.0
<i>n</i> Hospitalized	109	601	994	7	1711	595
<i>n</i> Life threatening	41	232	397	6	676	273
<i>n</i> Recovered	31	159	211	3	404	204
<i>n</i> Not recovered	54	260	580	6	900	518
<i>n</i> Died	34	176	286	1	497	136

[†]Terms queried in SYMPTOM fields 1–5 include: encephalopathy (all types), encephalomyopathy, and leukoencephalopathy

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

^{‡‡}Natural language processing was used to extract age values from SYMPTOM TEXT and fill in missing data. Remaining reports with unknown age are neither plotted, nor included in calculations, but are included in subtotals. Symbols have a random adjustment within $\sim \pm 0.5$ yr. ^{‡‡‡}Symbols link to OpenVAERS.

*VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also referred to as 'safety signals'. If a possible safety signal is found ..., further analysis is performed with other safety systems, such as [CDC's VSD & CISA, or FDA BEST]." vaers.hhs.gov