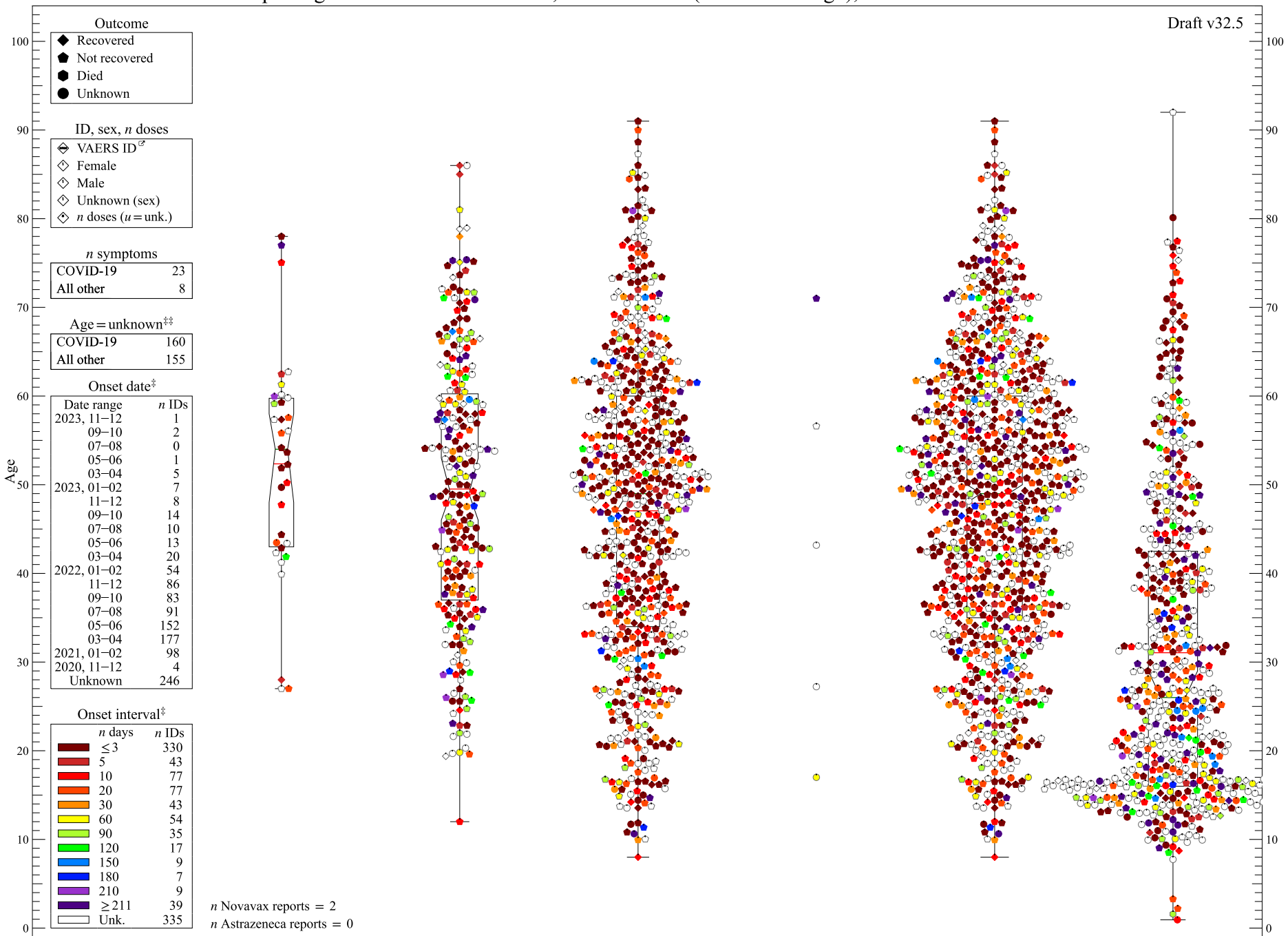
Lupus: age and vaccine distribution, VAERS data* (U.S. and foreign), 1990.07−2024.08.30†



	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
n VAERS IDs	43	262	762	6	1075	726
μ, Mean‡‡	52.4	49.5	47.1	43.0	47.9	31.1
$\hat{x}$, Median‡‡	54.0	49.0	49.0	43.0	49.0	26.0
σ, Standard deviation‡‡	12.5	15.6	17.5	21.9	17.0	17.3
γ, Skewness‡‡	−0.1	0.0	−0.0	0.1	−0.0	−0.0
n Hospitalized	5	54	200	4	264	220
n Life threatening	3	21	51	0	75	74
n Recovered	2	35	70	0	107	64
n Not recovered	30	170	535	3	740	336
n Died	0	3	4	0	7	13

†Terms queried in SYMPTOM fields 1−5 include: systemic lupus erythematosus, central nervous system lupus, cutaneous lupus, drug-induced lupus, neuropsychiatric lupus, and lupus (endocarditis, myositis, nephritis, pneumonitis, ..)

‡‡NLP 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 link to OpenVAERS.

*VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'." "The inclusion of events in VAERS data does not infer causality." vaers.hhs.gov