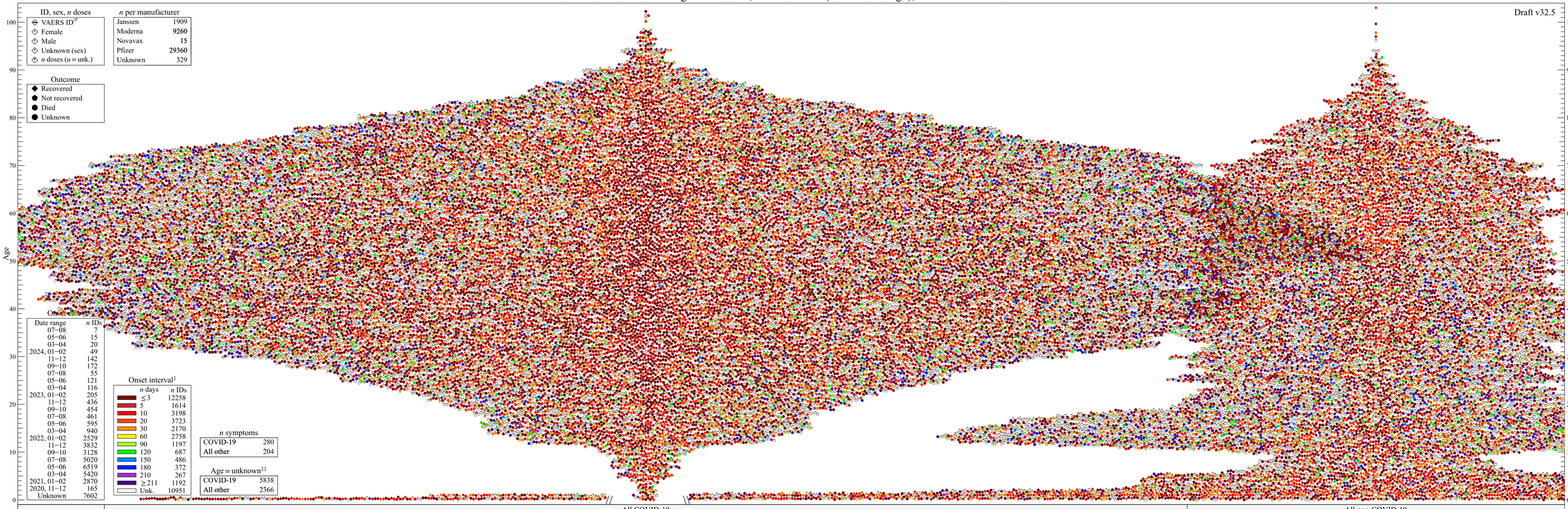
Autoimmune disorders: age distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30†



	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
n VAERS IDs	40873	19951
μ, Mean‡‡	51.3	32.8
$\hat{x}$, Median‡‡	52.0	29.0
σ, Standard deviation‡‡	18.1	24.2
γ, Skewness‡‡	−0.1	0.4
n Hospitalized	12842	9144
n Life threatening	2910	2312
n Recovered	4508	3994
n Not recovered	29397	8554
n Died	533	347

†Terms queried in SYMPTOMS 1–5 include: Acute disseminated encephalomyelitis, autoimmune (encephalitis, thrombocytopenia), (autoimmune demyelinating, Addison's, Basedow, coeliac, Crohn's, Ménière's, & Vogt–Koyanagi–Harada) disease, (antiphospholipid, Behçet's, Dressler's, Evans, Goodpasture's, Guillain-Barré, Miller Fisher, POEMS, Raynaud, sicca, Sjögren's, & Susac's) syndrome, CIDP, granulomatosis w/ polyangiitis, IgA nephropathy, lupus, MS, myasthenia gravis, myositis, NMOSD, and sarcoidosis. ‡*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 (*n* VAERS IDs etc.). All plotted age values have a random adjustment within ≃ ±0.5 yr. Selected COVID-19 missing onset interval values (especially children less than 10 years old) were manually edited using SYMPTOM TEXT. All other data are plotted 'as is'. ↗Symbols link to respective reports at OpenVAERS.
*VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'. If a possible ... signal is found in VAERS data, further analysis is performed with other safety systems, such as the CDC's [VSD & CISA, or FDA BEST]." "VAERS reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable." "The number of reports alone cannot be interpreted as evidence of a causal association between a vaccine & an adverse event." vaers.hhs.gov