Death: age distribution, VAERS data* (U.S. and foreign), 1990.07−2024.08.30†
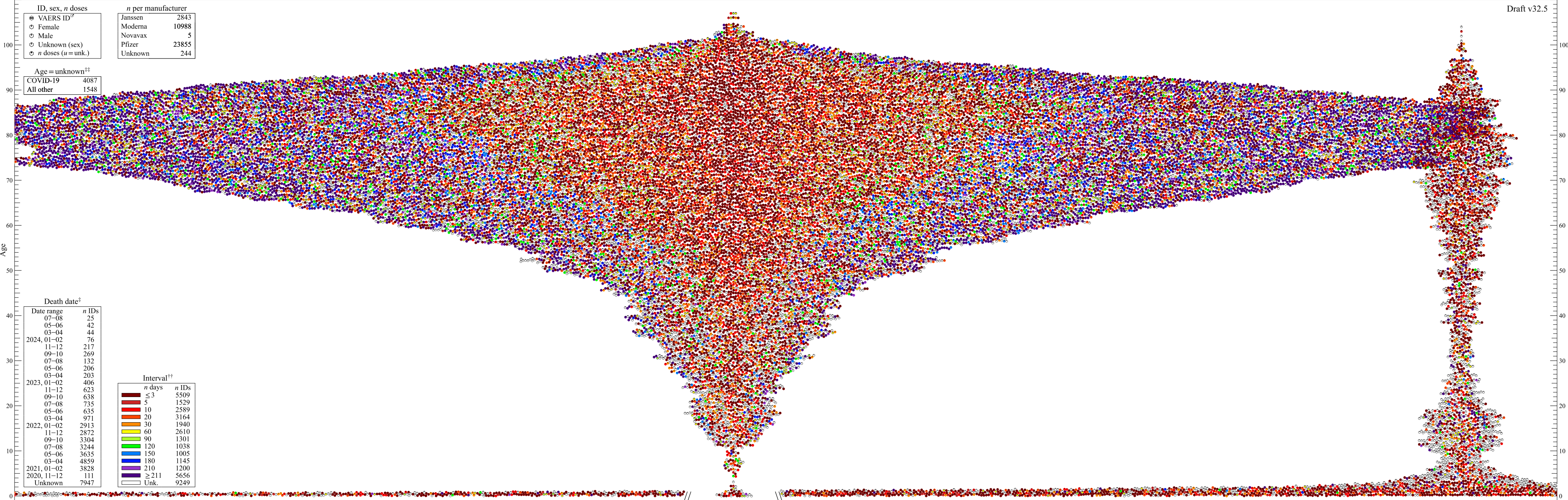
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ID, sex, n doses
- ⊖ VAERS ID⧉
- ☿ Female
- ♂ Male
- ☿ Unknown (sex)
- ☿ n doses (u = unk.)

n per manufacturer

Janssen	2843
Moderna	10988
Novavax	5
Pfizer	23855
Unknown	244

Age = unknown‡‡

COVID-19	4087
All other	1548

Death date‡

Date range	n IDs
2024, 07−08	25
05−06	42
03−04	44
01−02	76
2023, 11−12	217
09−10	269
07−08	132
05−06	206
03−04	203
01−02	406
2022, 11−12	623
09−10	638
07−08	735
05−06	635
03−04	971
01−02	2913
2021, 11−12	2872
09−10	3304
07−08	3244
05−06	3635
03−04	4859
01−02	3828
2020, 11−12	111
Unknown	7947

Interval††

n days	n IDs
≤ 3	5509
5	1529
10	2589
20	3164
30	1940
60	2610
90	1301
120	1038
150	1005
180	1145
210	1200
≥ 211	5656
Unk.	9249

Age (y-axis)

	All COVID-19 2020.12.14−2024.08.30	All non-COVID-19 1990.07−2020.12.13
n VAERS IDs†††	37935	8719
μ, Mean‡‡	72.3	21.5
x̂, Median‡‡	76.0	1.0
σ, Standard deviation‡‡	17.3	31.3
γ, Skewness‡‡	−1.1	1.1
n Hospitalized	11583	1785
n Life threatening	37912	8661
n Recovered	—	—
n Not recovered	—	—
n Died	37910	8655

†Terms queried in SYMPTOM fields 1−5 include: death (neonatal/maternal death during childbirth/perinatal/sudden infant death syndrome). Terms excluded: (brain/cardiac/clinical) death (excluded because outcome included coma and/or recovery). †††n VAERS IDs is the sum of: the DIED field (37,910 COVID-19 reports) + 25 SYMPTOM = Death† reports where the DIED field is empty (manually confirmed). 4224 reports of miscarriage and fetal death are not included here. ⧉Symbols link to respective reports at OpenVAERS.

‡‡Natural language processing (NLP) 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). All plotted age values have a random adjustment within ∽ ±0.5 year. ‡NLP was used to extract date of death from SYMPTOM TEXT & fill in missing COVID-19 data. ††Date of death minus final administration date (VAX_DATE field). 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 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