Death, miscarriage, and stillbirth: age distribution, VAERS data* (U.S. and foreign), 1990.07−2022.10.21[†]
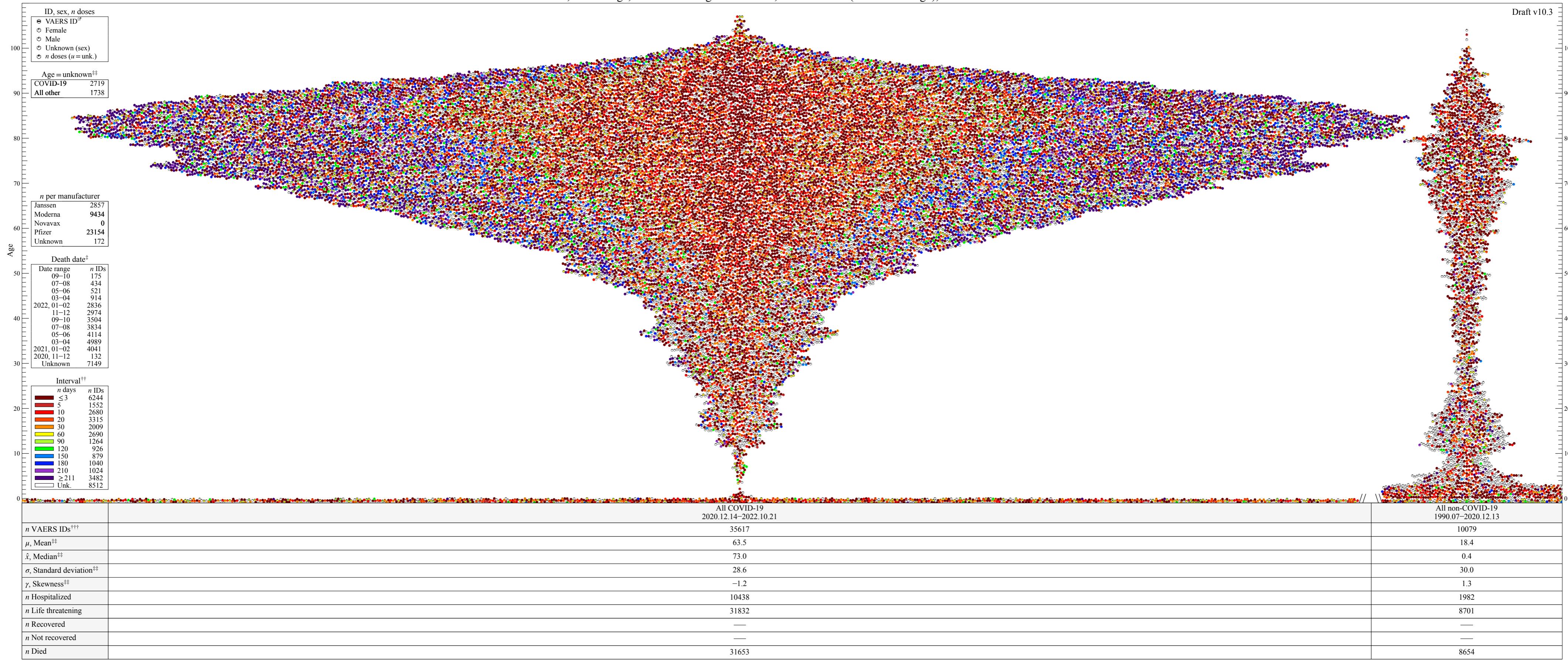
Draft v10.3

ID, sex, *n* doses
- ⊕ VAERS ID[⌐]
- ☿ Female
- ☿ Male
- ☿ Unknown (sex)
- ☿ *n* doses (*u* = unk.)

Age = unknown[‡‡]

COVID-19	2719
All other	1738

n per manufacturer

Janssen	2857
Moderna	**9434**
Novavax	0
Pfizer	**23154**
Unknown	172

Death date[‡]

Date range	*n* IDs
09−10	175
07−08	434
05−06	521
03−04	914
2022, 01−02	2836
11−12	2974
09−10	3504
07−08	3834
05−06	4114
03−04	4989
2021, 01−02	4041
2020, 11−12	132
Unknown	7149

Interval[††]

n days	*n* IDs
≤ 3	6244
5	1552
10	2680
20	3315
30	2009
60	2690
90	1264
120	926
150	879
180	1040
210	1024
≥ 211	3482
Unk.	8512

	All COVID-19 2020.12.14−2022.10.21	All non-COVID-19 1990.07−2020.12.13
n VAERS IDs[†††]	35617	10079
μ, Mean[‡‡]	63.5	18.4
x̂, Median[‡‡]	73.0	0.4
σ, Standard deviation[‡‡]	28.6	30.0
γ, Skewness[‡‡]	−1.2	1.3
n Hospitalized	10438	1982
n Life threatening	31832	8701
n Recovered	—	—
n Not recovered	—	—
n Died	31653	8654

[†]Terms queried in SYMPTOMS 1−5: death (neonatal/maternal d. during childbirth/perinatal/sudden infant d. syndrome), abortion spontaneous, anembryonic gestation, blighted ovum, fetal death, intra-uterine death, miscarriage, stillbirth, & sudden antenatal death syndrome. Terms excluded: (brain/cardiac/clinical) death (excluded because outcome included coma &/or recovery). [†††]*n* VAERS IDs is the sum of: the DIED field (31,653 CV19) + 3,915 reports of miscarriage and stillbirth + 49 SYMPTOM = Death[†] reports where the DIED field is empty. [‡‡]Regular expression (regex) routines were 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. Miscarriage & stillbirth reports were tentatively given random age values between −0.7 and 0 yr. [‡]Regex was used to extract death date & fill in missing CV19 reports (regex routines, including age, are incomplete). [††]Date of death minus final administration date (VAX_DATE field). [⌐]Symbols link to OpenVAERS. *VAERS disclaimer, data limitations, and underreporting (excerpts): "...VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'." | "The reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable." | "Note that the inclusion of events in VAERS data does not infer causality." | "Establishing causal relationships between vaccines and adverse events requires additional scientific investigation."   vaers.hhs.gov/data.html | wonder.cdc.gov/wonder/help/vaers.html