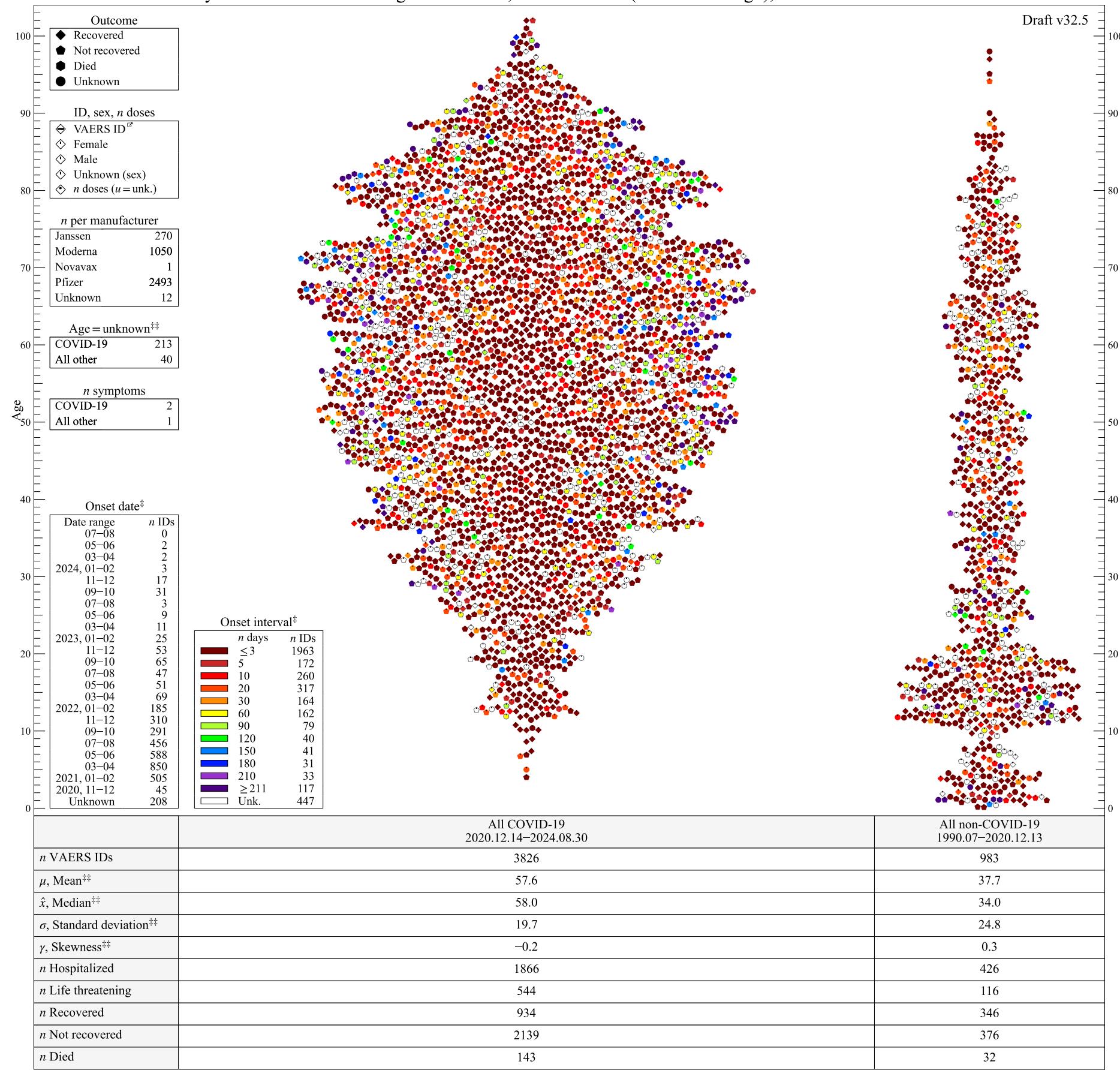# Dysarthria and anarthria: age distribution, VAERS data* (U.S. and foreign), 1990.07−2024.08.30[†]

Draft v32.5

Outcome
- ◆ Recovered
- ⬠ Not recovered
- ⬡ Died
- ● Unknown

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

n per manufacturer

Janssen	270
Moderna	1050
Novavax	1
Pfizer	2493
Unknown	12

Age = unknown[‡‡]

COVID-19	213
All other	40

n symptoms

COVID-19	2
All other	1

Onset date[‡]

Date range	*n* IDs
07−08	0
05−06	2
03−04	2
2024, 01−02	3
11−12	17
09−10	31
07−08	3
05−06	9
03−04	11
2023, 01−02	25
11−12	53
09−10	65
07−08	47
05−06	51
03−04	69
2022, 01−02	185
11−12	310
09−10	291
07−08	456
05−06	588
03−04	850
2021, 01−02	505
2020, 11−12	45
Unknown	208

Onset interval[‡]

n days	*n* IDs
≤ 3	1963
5	172
10	260
20	317
30	164
60	162
90	79
120	40
150	41
180	31
210	33
≥ 211	117
Unk.	447

	All COVID-19 2020.12.14−2024.08.30	All non-COVID-19 1990.07−2020.12.13
n VAERS IDs	3826	983
μ, Mean[‡‡]	57.6	37.7
$\hat{x}$, Median[‡‡]	58.0	34.0
σ, Standard deviation[‡‡]	19.7	24.8
γ, Skewness[‡‡]	−0.2	0.3
n Hospitalized	1866	426
n Life threatening	544	116
n Recovered	934	346
n Not recovered	2139	376
n Died	143	32

[†]Terms queried in SYMPTOM fields 1−5 include: dysarthria and anarthria.   [‡]Onset of symptoms post vaccine. *n* IDs are all COVID-19.

[‡‡]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 ... does not infer causality."   vaers.hhs.gov/data.html