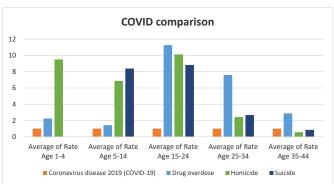
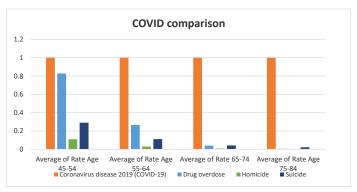
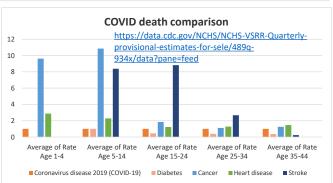
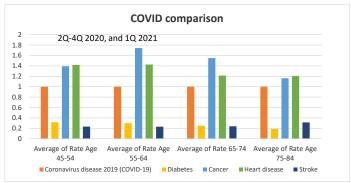


Relative effect of COVID on various age groups, and compared to cause of death. These are all relative to COVID, which is 1.0 on each of four charts

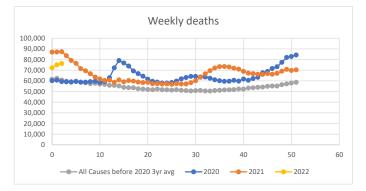






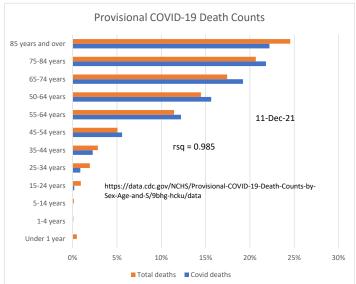


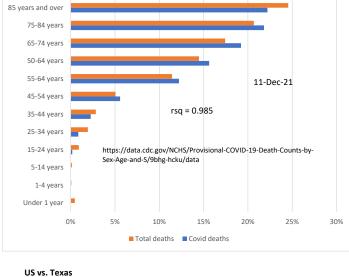




Z-score = 1 based on 2017 - 2019 one standard deviation.

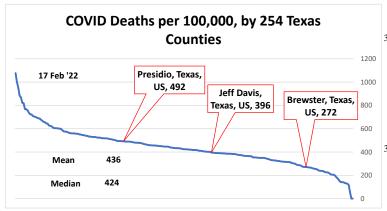
Data in recent weeks are incomplete. Only 60% of death records are submitted to NCHS within 10 days of the date of death, and completeness varies by jurisdiction. Data are not weighted and counts are likely underreported.

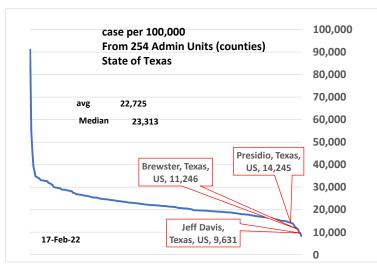


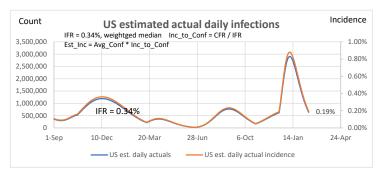


0.45% 0.40% confirmed cases 0.35% 0.30% 0.25% 0.20% per 0.15% 21-Mar 29-Jun daily US daily per capita ♦ Texas daily per capita

Tri-Counties in Texas:







False Positives Demonstration

Use 0.19% as estimated daily incidence

Prevalence estimated as avg. infected period of 2 weeks X incidence

	95%	accuracy o	test	0.19%	
		Positive	Negative		Sensitivity
test pos		2.527%	4.867%	7.39%	Probability
test neg		0.133%	92.473%	92.61%	where con

2.660% 97.340%

False pos. is more than half of total positives TRUE + 2.527%/7.39% 34.2% FALSE + 4.867%/7.39% 65.8% Total

100.00%

< 14 = 2.660%</p>

y of detection where condition exists

True + / (True + & False -) 95%

Probability of not detecting where condition doesn't exist

True - / (True - & False +) 95%

Example only; sensitivity and specifity not necessarily equal.

USA Excess Deaths, 2020 (from CDC data):

Annualized on 52 weeks All Cause, excl. CV19 CV19

3	yr average before 2020	859:100,000	859:100,000	-
	2020	1016:100,000	905:100,000	-
	Diff.	157:100,000	46:100,000	111:100,000

3 yr average 859:100,000

29% of All-Cause excess deaths are non-CV19

100.00%

https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data

USA Excess Deaths to date (2021, from CDC data):

52 weeks	All Cause	All Cause, excl. CV19	CV19
3 yr average before 2020	859:100,000	859:100,000	-
2021	1048:100,000	905:100,000	-
Diff.	189:100,000	47:100,000	142:100,000
3 yr average			Linear Year Projection
859:100,000	25% of All-Caus	142:100,000	

USA Excess Deaths to date (2022, from CDC data):

6 weeks	All Cause	All Cause, excl. CV19	CV19
3 yr average before 2020	110:100,000	110:100,000	-
2022	128:100,000	101:100,000	27:100,000
Diff.	18:100,000	-10:100,000	27:100,000

Linear Year Projection 3 yr average 859:100.000 -55% of All-Cause excess deaths not CV19 276:100.000

