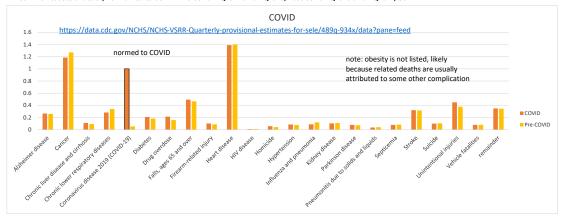
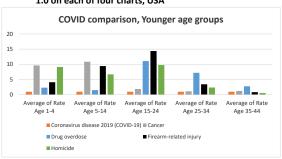
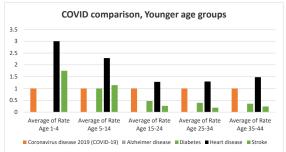
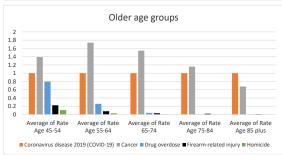
Common causes of death, normalized to COVID. Pre-Covid: 1Q2017 thru 1Q2020, Post-Covid 2Q2020 thru 1Q2021, USA

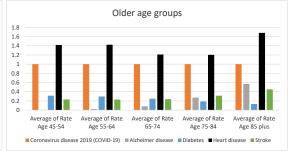


Relative effect of COVID on various age groups, and compared to cause of death. These are all relative to COVID, which is 1.0 on each of four charts, USA

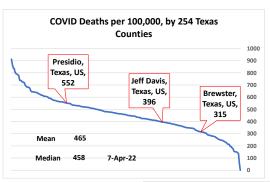


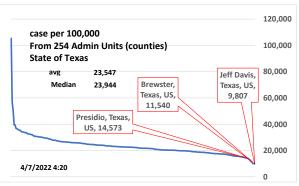


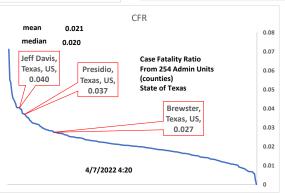


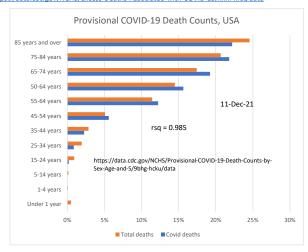


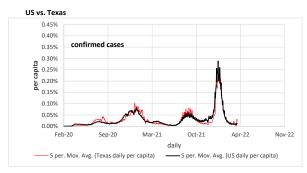
Texas and Tri-county comparisons



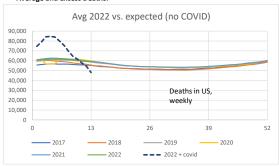


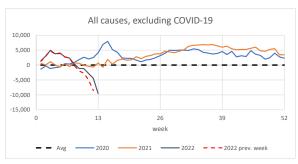


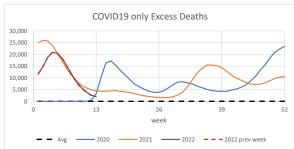


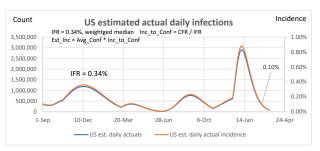


Average and Excess Deaths:









False Positives Demonstration

Use 0.19% as estimated daily incidence

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

95%			
	Positive	Negative	
test pos	2.527%	4.867%	7.39%
test neg	0.133%	92.473%	92.61%
	2.660%	97.340%	100.00%

0.19% X 14 = 2.660%

Sensitivity
Probability of detection
where condition exists

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

Specificity
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	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

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

USA Excess Deaths, 2021 (from CDC data):

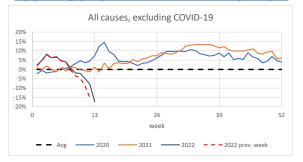
Annualized on 52 weeks			
	All Cause	All Cause, excl. CV19	CV19
3 yr average before 2020	859:100,000	859:100,000	-
2021	1052:100,000	909:100,000	-
Diff.	193:100,000	51:100,000	143:100,000

26% of All-Cause excess deaths are non-CV19

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

	Con Energy Deuting to date (2022) from CDC data).			
	Week 13	All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	232:100,000	232:100,000	-
	2022	278:100,000	232:100,000	-
	Diff	46:100.000	-0.4:100.000	46:100 000

3 yr average	Li	near Year Projection
859:100,000	-1% of All-Cause excess deaths not CV19	186:100,000
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data		





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. The previous week's data is shown as dashed, to give an idea of the effect of the gradual update.

Recent exponential growth examples:

