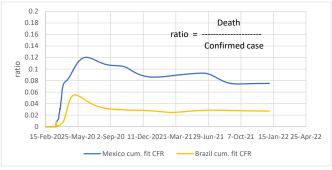
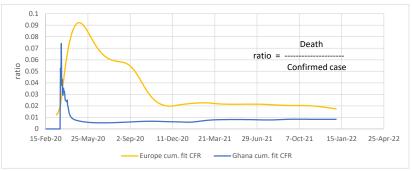
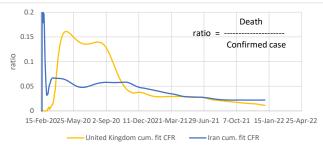
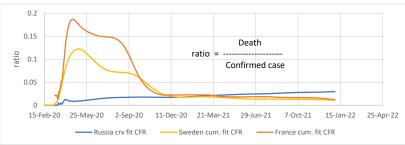
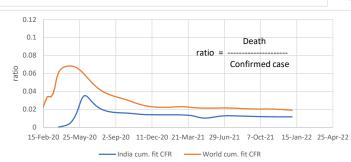
Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

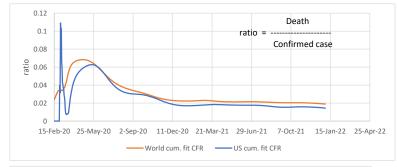




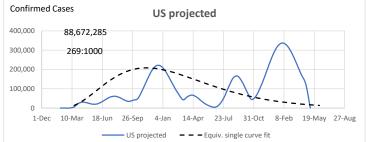


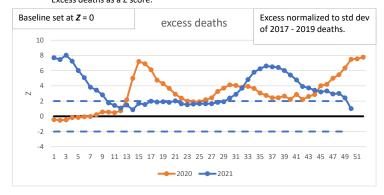


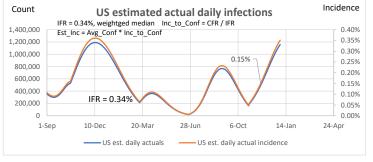




Excess deaths as a Z score:



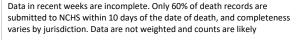




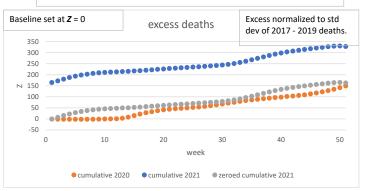
Above based on Z score of two standard deviation from 2017-2019. What follows is cumulative plot of same.

False Positives Demonstration

Use 0.15% as estimated daily incidence



Prevalence estimated as avg. infected period of 2 weeks X incidence 0.15% X 14 = 2.100%



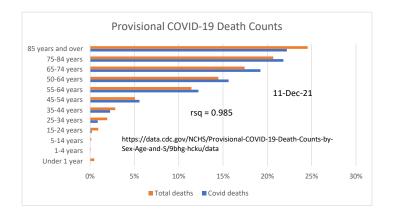
	Positive	Negative	
test pos	1.995%	4.895%	6.89%
test neg	0.105%	93.005%	93.11%
	2.100%	97.900%	100.00%

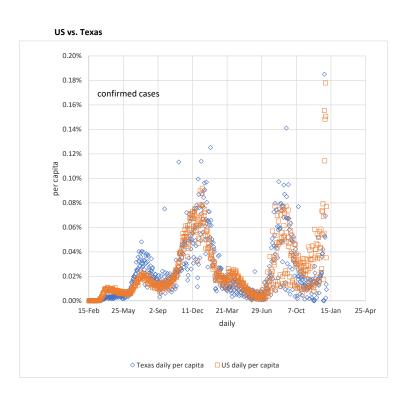
95% accuracy of test

False pos. is more than half of total positives. TRUE + 1.995%/6.89% 29.0% FALSE + 4.895%/6.89% 71.0% Total 100.00%

0.13/0 X 14 - 2.100/0	
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%	







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

3 yr average			
859:100,000	29% of All-Cause excess deaths are non-CV19		
ottps://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data			

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

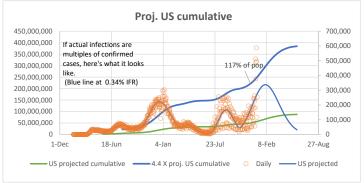
	51 weeks	All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	842:100,000	842:100,000	-
	2021	1012:100,000	875:100,000	-
	Diff.	170:100,000	33:100,000	137:100,000

3 yr average			
859:100,000	19% of All-Cause excess deaths are non-CV19		
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data			

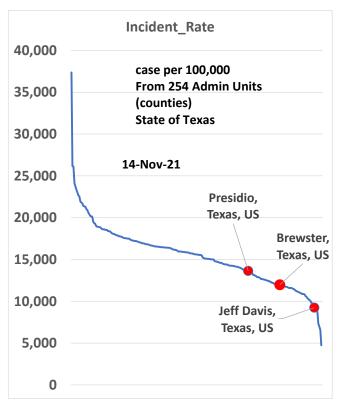
K = 0.318 R_o : R:

gamma = 0.171 $R_o = \exp(K/\text{gamma}) = 6.42$ 84%
gamma = 0.286 $R > 1 - 1/R_o = 3.04$ 67%

R is recovered variable.



Tri-Counties in Texas:





 $\underline{https://data.cdc.gov/NCHS/Weekly-Counts-of-Deaths-by-State-and-Select-Causes/muzy-jte6/data}$