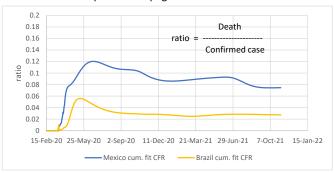
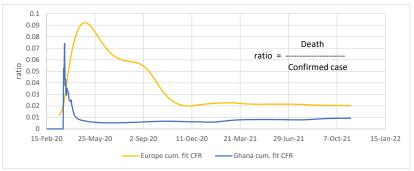
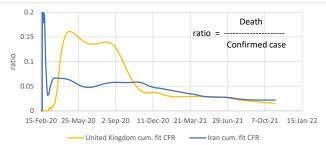
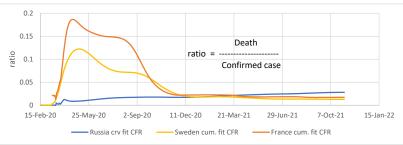
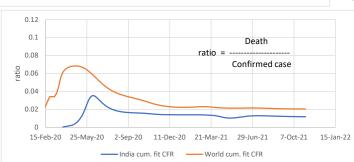
# Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

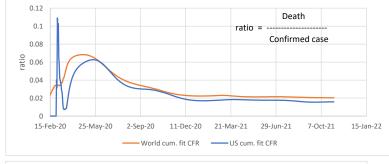




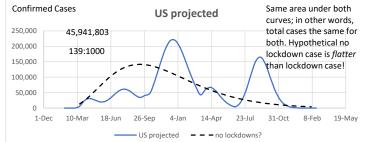


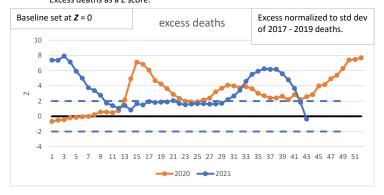


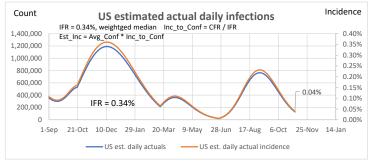




# Excess deaths as a Z score:

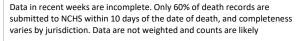




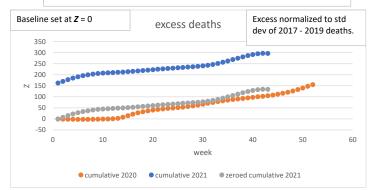


Above based on  $\,{\rm Z}$  score of two standard deviation from 2017-2019. What follows is cumulative plot of same.

### False Positives Demonstration



Use 0.04% as estimated daily incidence Prevalence estimated as avg. infected period of 2 weeks X incidence

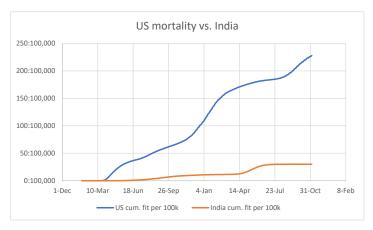


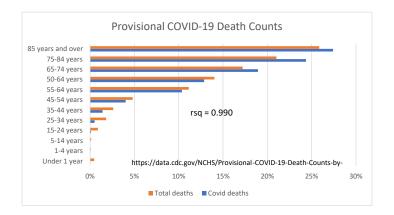
_		Positive	Negative	
	test pos	1.463%	4.923%	6.39%
	test neg	0.077%	93.537%	93.61%
		1.540%	98.460%	100.00%

95% accuracy of test

<u>Sensitivity</u>		
Probability of detection		
where condition exists		
True + / (True + & False -)		
95%		
Specificity		
Probability of not detecting where		
condition doesn't exist		
True - / (True - & False +)		
95%		

0.04% X 14 = 0.560%





# 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

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

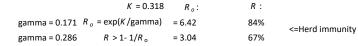
#### USA Excess Deaths to date (2021, from CDC data):

	43 weeks	All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	708:100,000	708:100,000	-
	2021	850:100,000	731:100,000	-
	Diff.	142:100,000	24:100,000	118:100,000

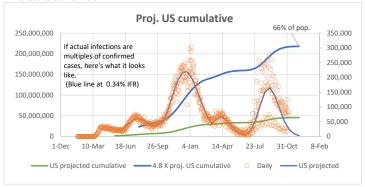
3 yr average	
859:100,000	

17% of All-Cause excess deaths are non-CV19

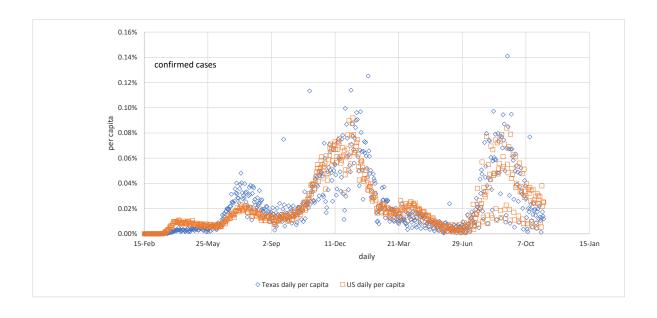
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data



#### R is recovered variable.



US vs. Texas





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