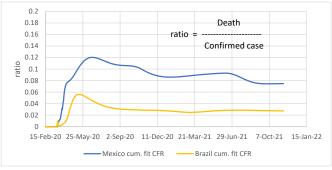
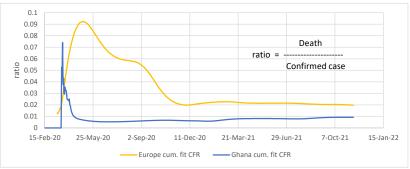
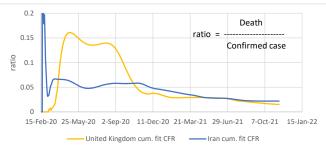
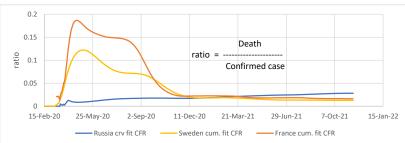
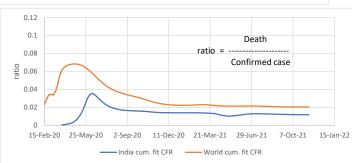
# Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

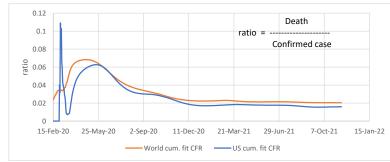




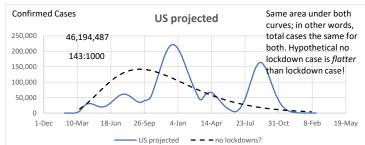


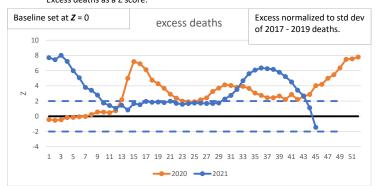


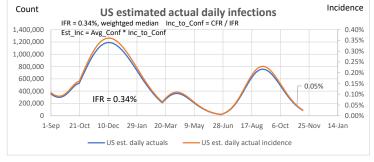




# Excess deaths as a Z score:







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

### False Positives Demonstration

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

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

Baseline set at **Z** = 0 Excess normalized to std excess deaths dev of 2017 - 2019 deaths. 350 300 250 200 N 150 100 50 ..... ••••••• 0 -50 10 30 40 50 cumulative 2020
 cumulative 2021
 zeroed cumulative 2021

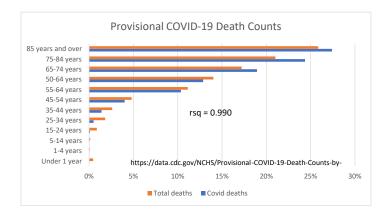
	Positive	Negative	
test pos	0.532%	4.972%	5.50%
test neg	0.028%	94.468%	94.50%
	0.560%	99.440%	100.00%

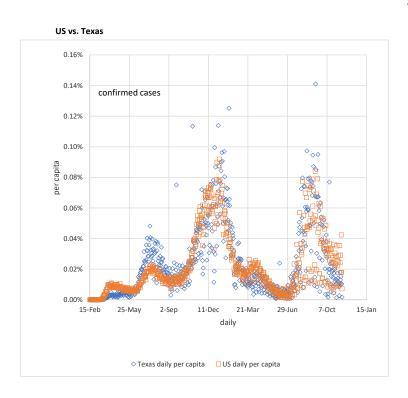
95% accuracy of test

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%		

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

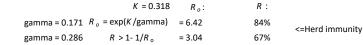
#### USA Excess Deaths to date (2021, from CDC data):

	45 weeks	All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	741:100,000	741:100,000	-
	2021	889:100,000	766:100,000	-
	Diff.	148:100,000	25:100,000	123:100,000

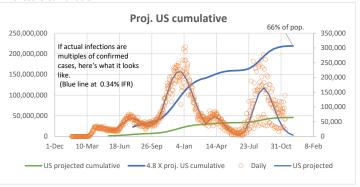
3 yr average	
859:100,000	

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

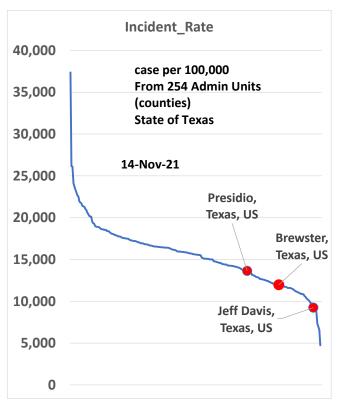
tps://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data



## R is recovered variable.



# Tri-Counties in Texas:





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