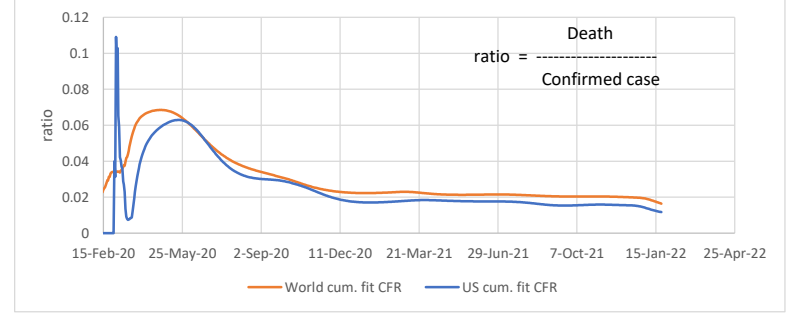
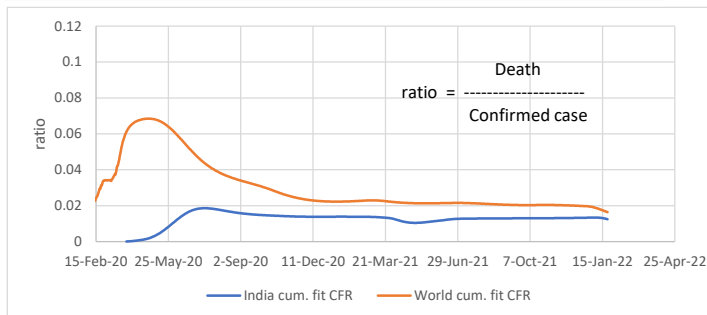
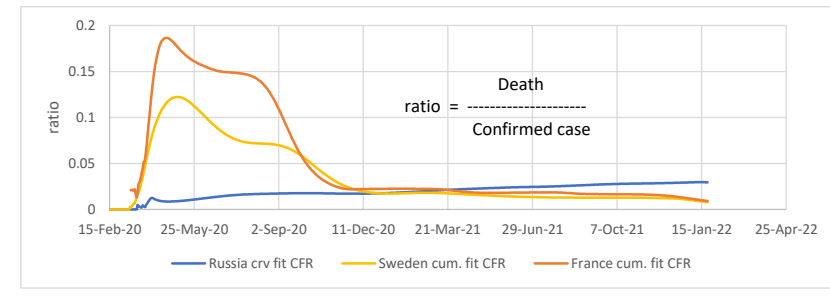
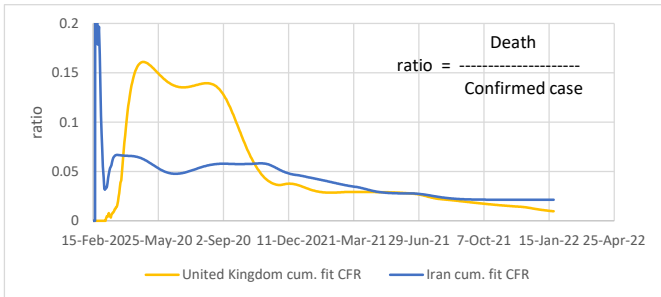
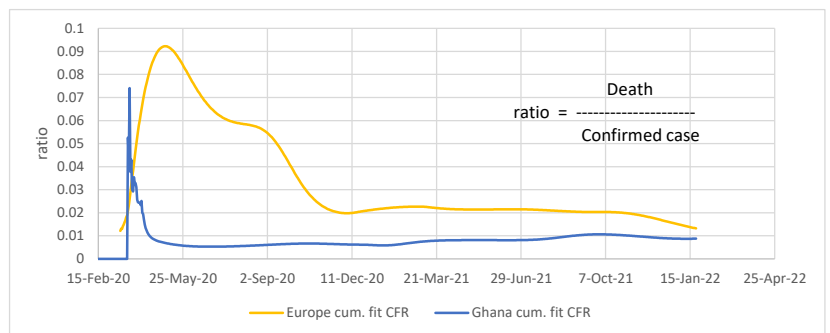
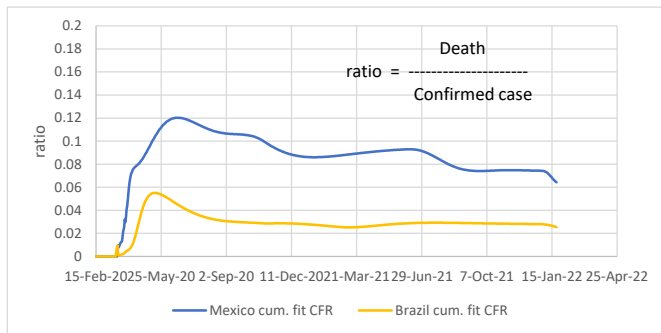
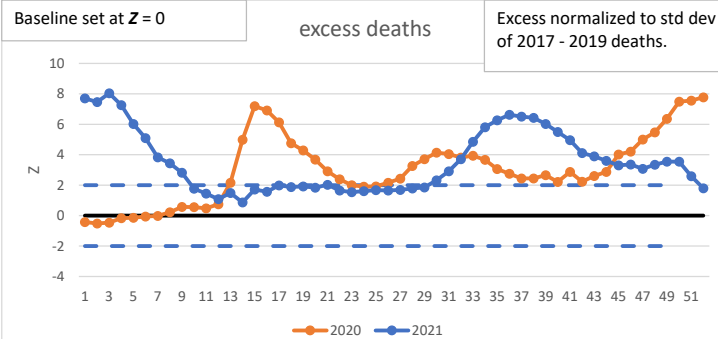


## Experimental page : ratios of curve fit deaths to curve fit confirmed cases (CFR)

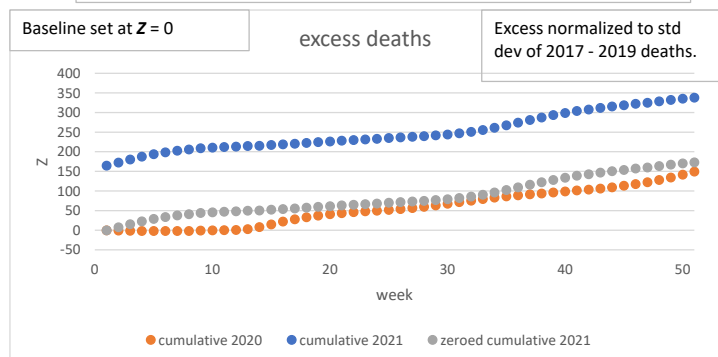


### Excess deaths as a Z score:



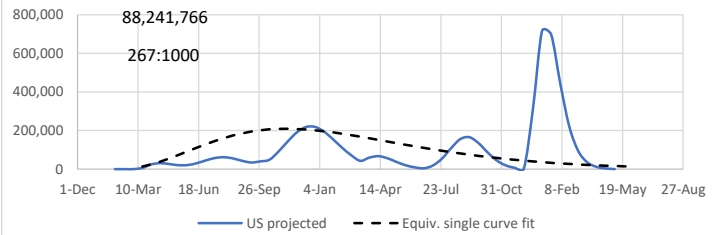
Above based on Z score of two standard deviation from 2017-2019. What follows is cumulative plot of same.

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



### Confirmed Cases

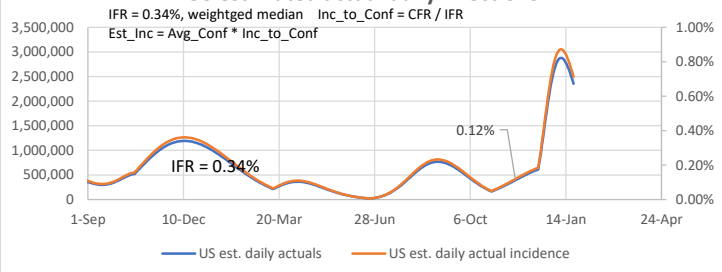
### US projected



### Count

### US estimated actual daily infections

### Incidence



### False Positives Demonstration

Use 0.15% as estimated daily incidence

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

95% accuracy of test

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

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%

0.15% X 14 = 2.100%

### 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

<https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkxf-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	1042:100,000	900:100,000	-
Diff.	183:100,000	41:100,000	142:100,000

3 yr average
859:100,000

23% of All-Cause excess deaths not CV19

Linear Year Projection  
142:100,000

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

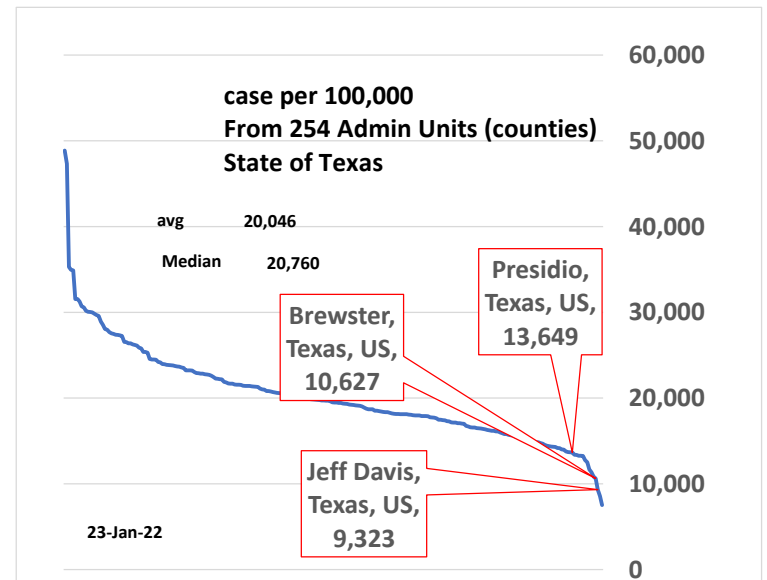
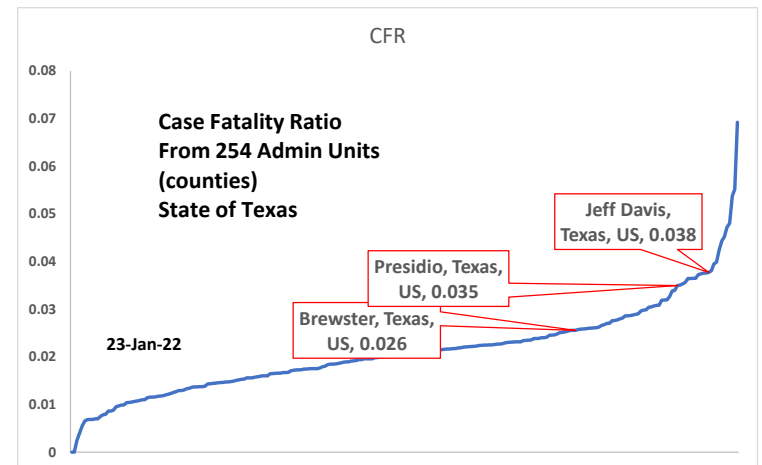
2 weeks	All Cause	All Cause, excl. CV19	CV19
3 yr average before 2020	17:100,000	17:100,000	-
2022	36:100,000	30:100,000	-
Diff.	19:100,000	13:100,000	6:100,000

3 yr average
859:100,000

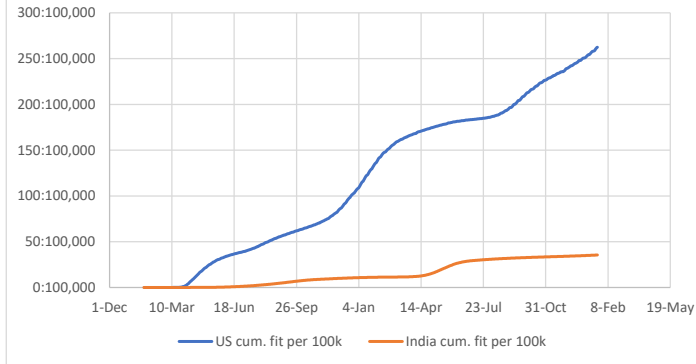
68% of All-Cause excess deaths not CV19

Linear Year Projection  
311:100,000

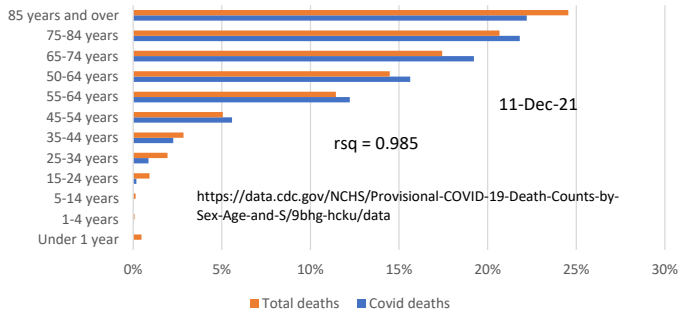
#### Tri-Counties in Texas:



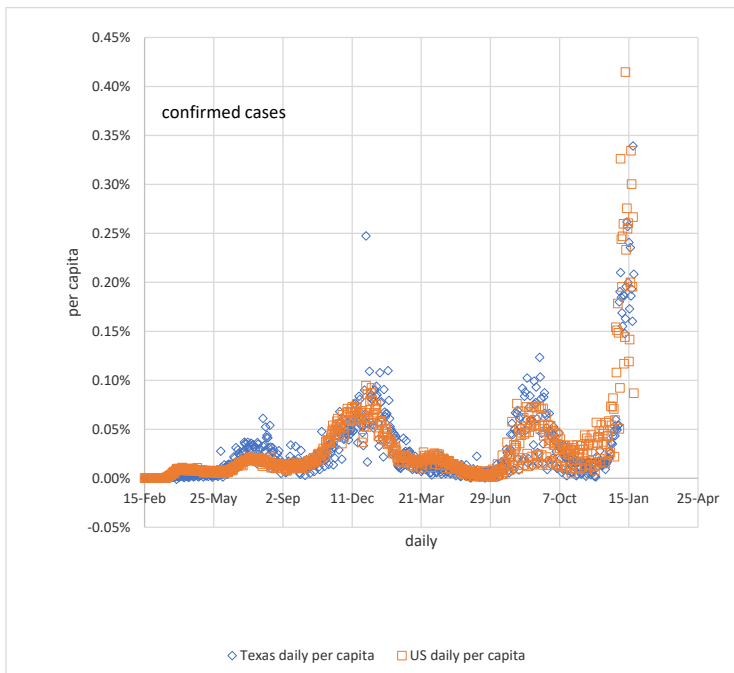
#### US mortality vs. India



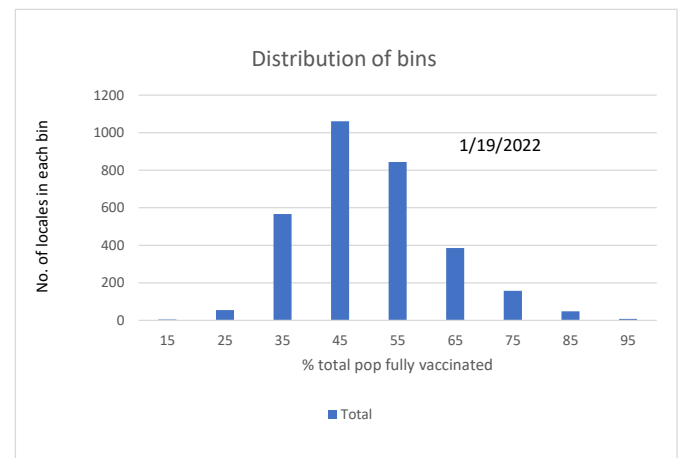
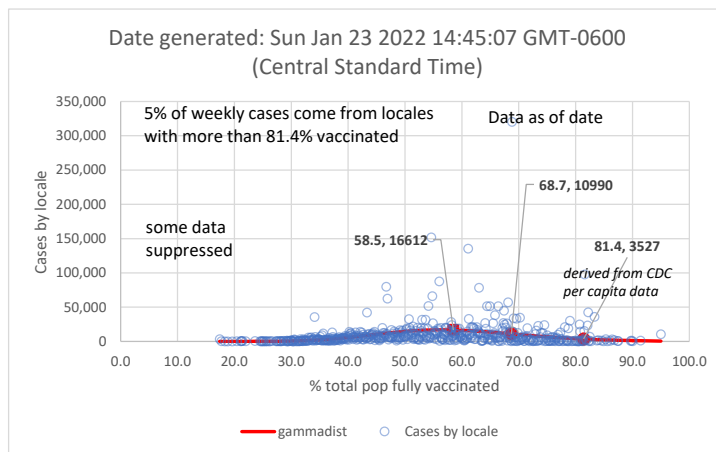
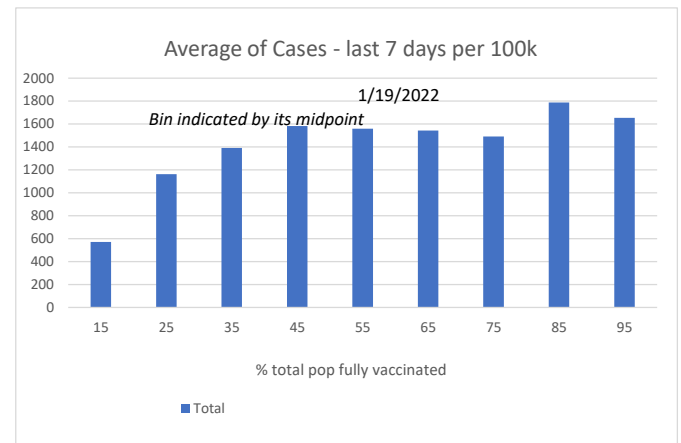
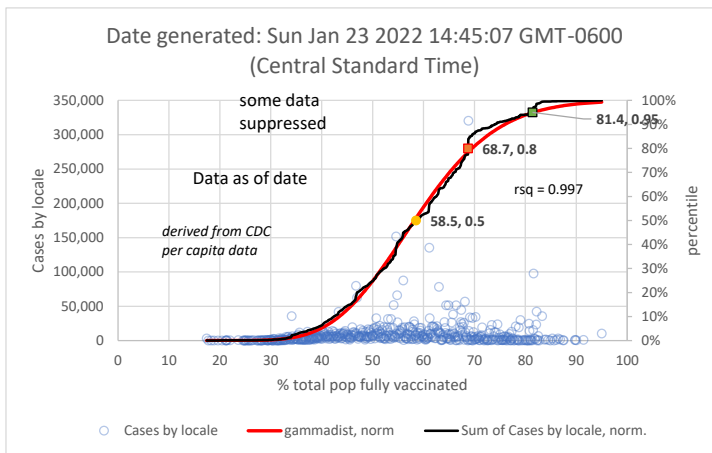
#### Provisional COVID-19 Death Counts



#### US vs. Texas



# Vaccination, % total pop vaccinated, and cases per 100k, USA



<https://covid.cdc.gov/covid-data-tracker/#vaccination-case-rate>