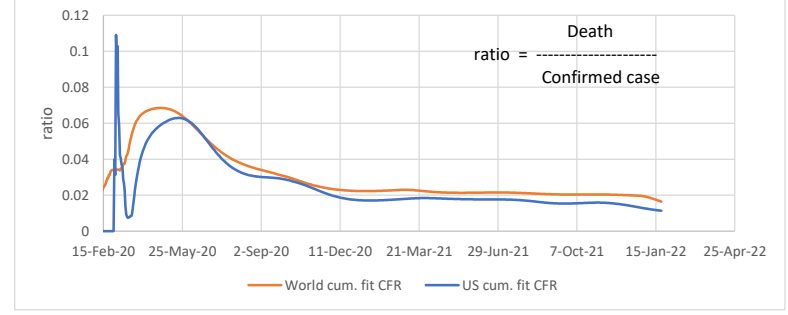
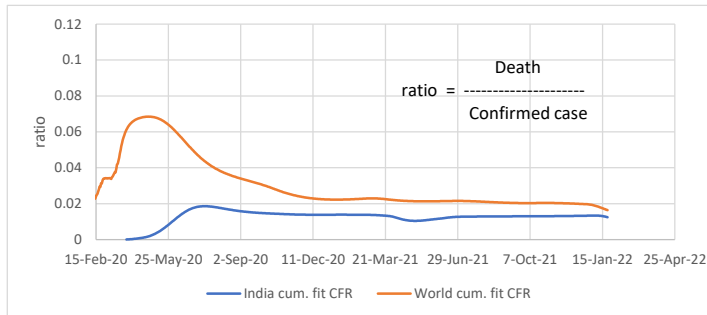
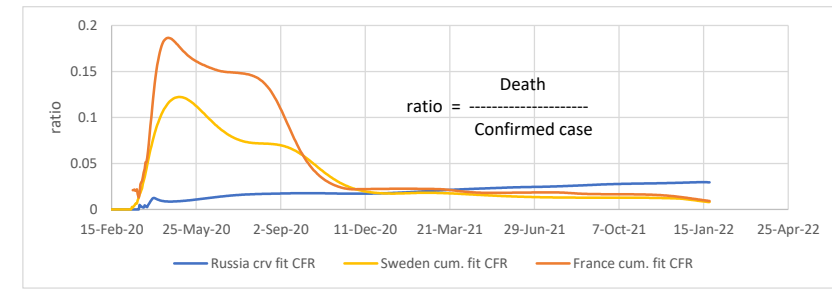
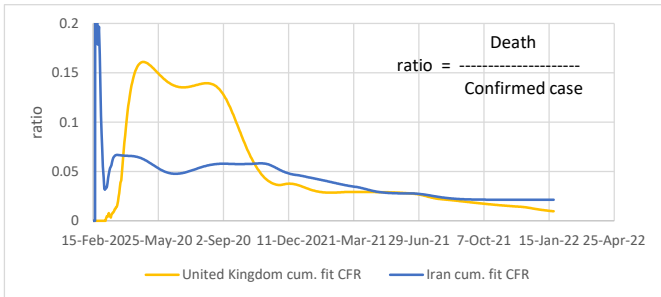
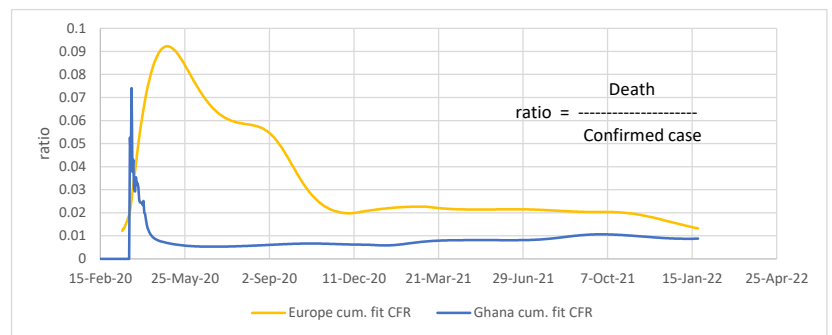
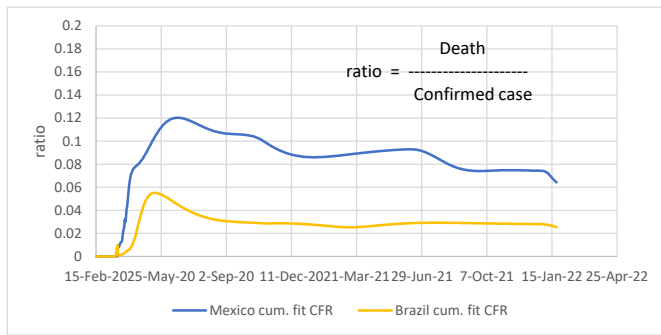
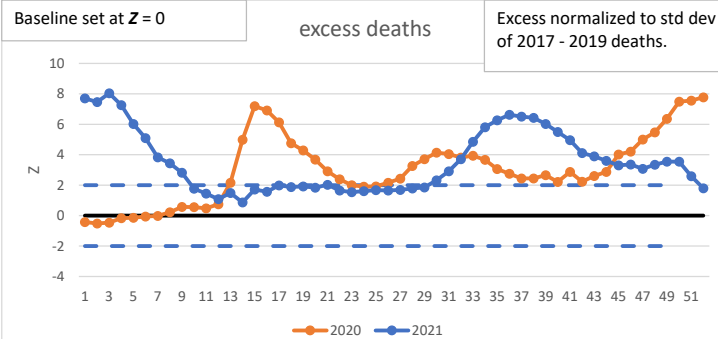


Experimental page : ratios of curve fit deaths to curve fit confirmed cases (CFR)

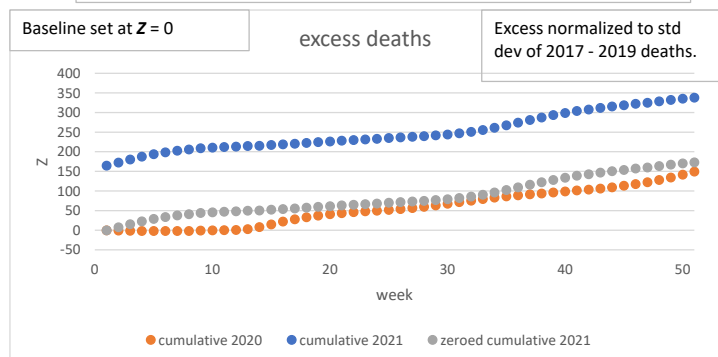


Excess deaths as a Z score:



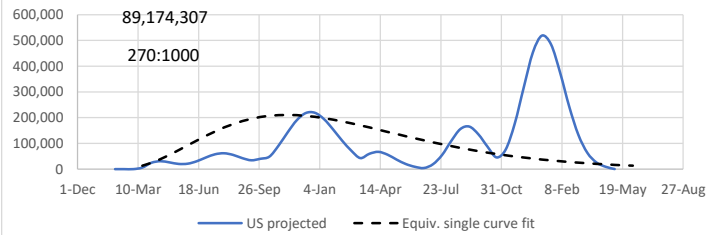
Above based on Z score of two standard deviation from 2017-2019. What follows is cumulative plot of same.

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

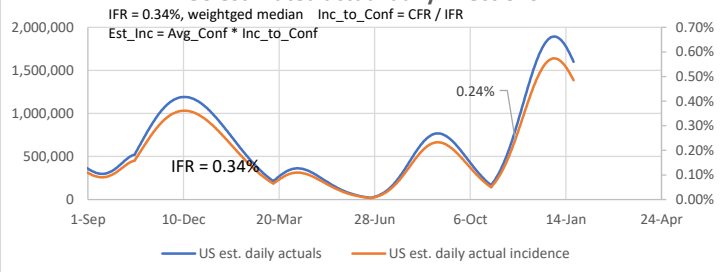
US projected



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%

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%

False pos. is more than half of total positives.

TRUE + 1.995%/6.89%

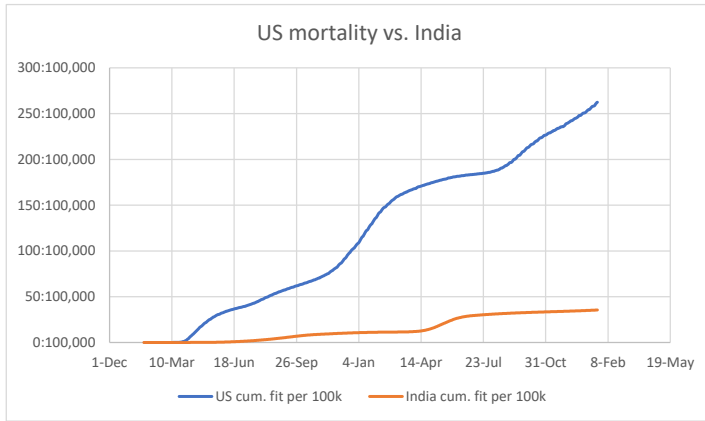
FALSE + 4.895%/6.89%

Total 2.100%

29.0%

71.0%

100.00%



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):

| 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 |

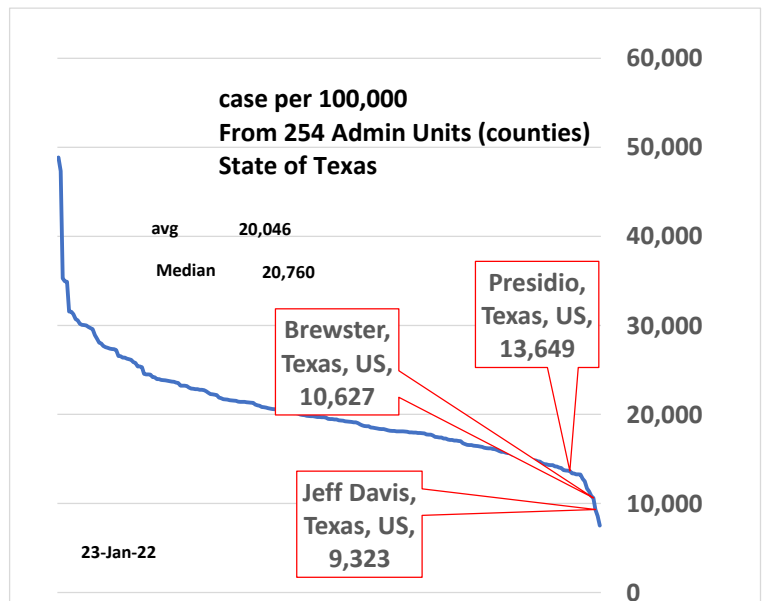
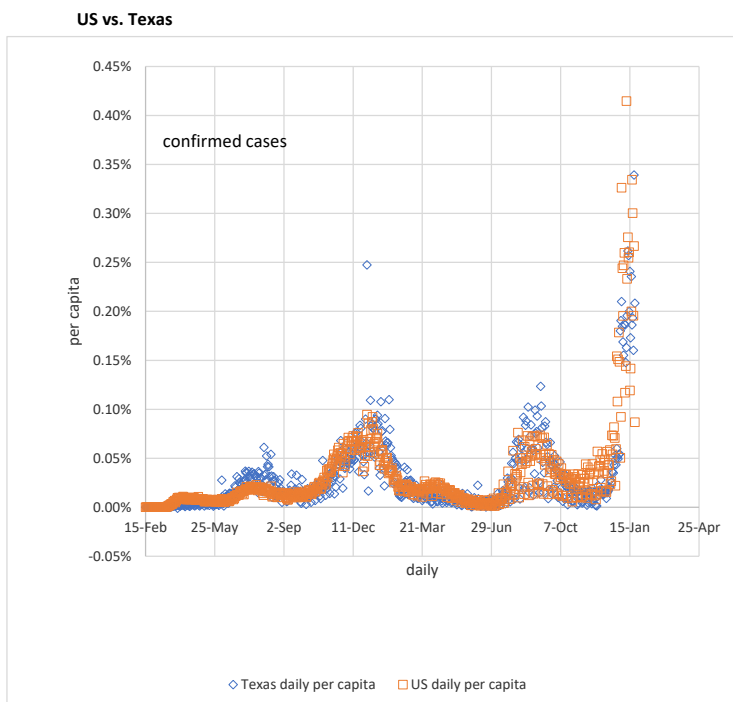
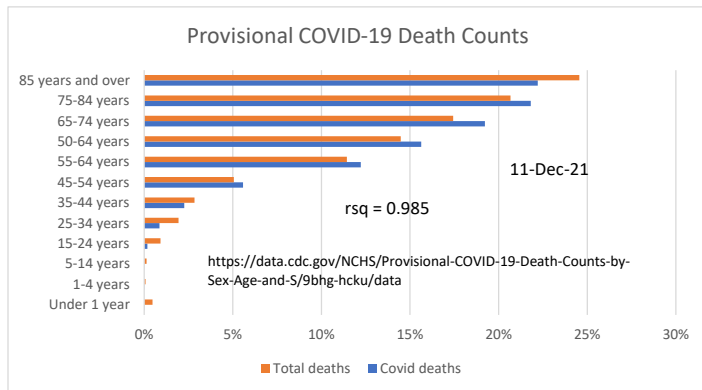
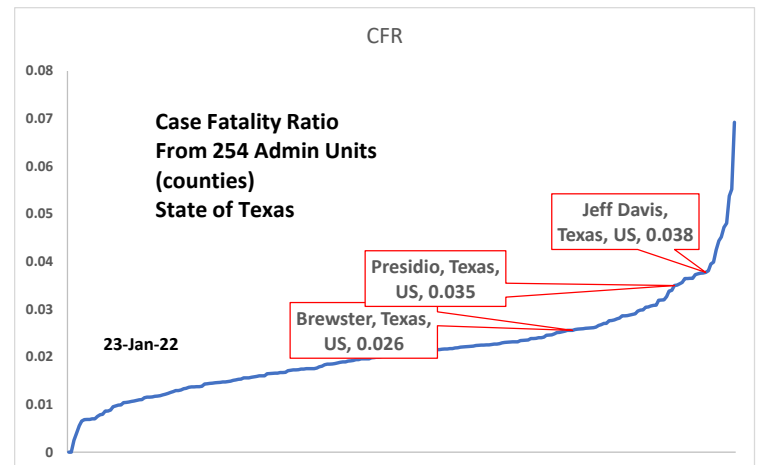
| 3 yr average | 859:100,000 |
|---|-------------|
| 23% of All-Cause excess deaths not CV19 | |
| Linear Year Projection 142:100,000 | |

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 |

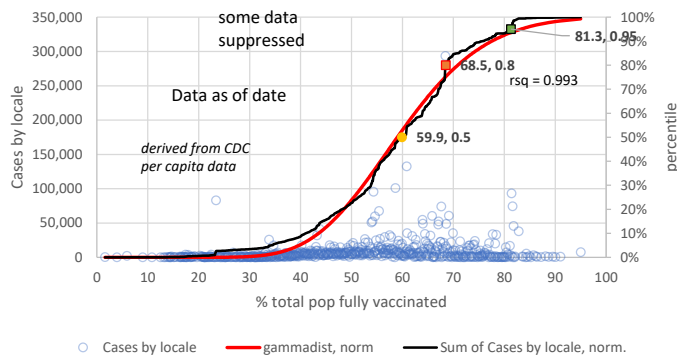
| 3 yr average | 859:100,000 |
|---|-------------|
| 68% of All-Cause excess deaths not CV19 | |
| Linear Year Projection 311:100,000 | |

Tri-Counties in Texas:

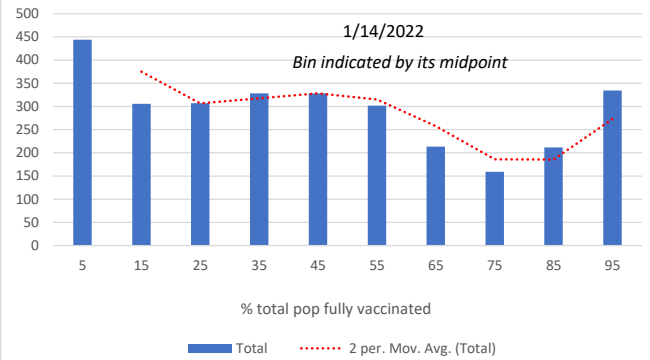


Vaccination, % total pop vaccinated, and cases per 100k, USA

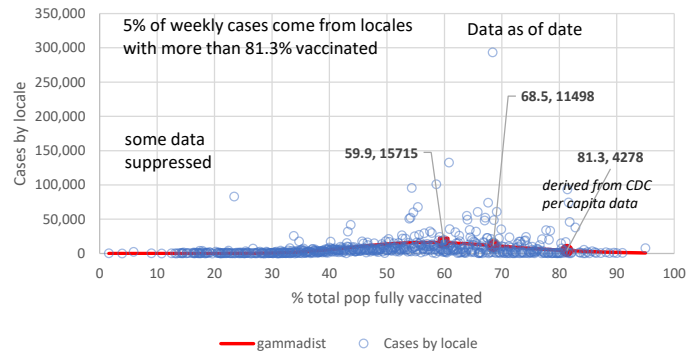
Date generated: Sun Jan 16 2022 10:18:31 GMT-0600
(Central Standard Time)



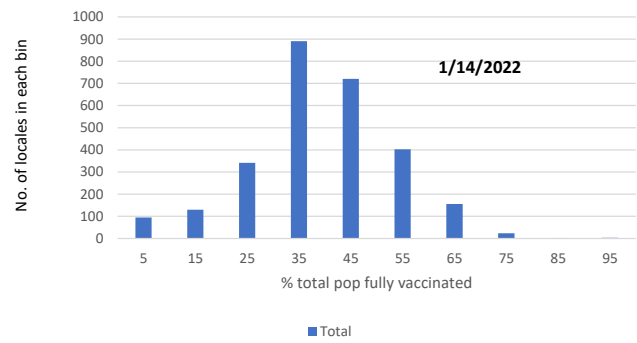
Average of Cases - last 7 days per 100k



Date generated: Sun Jan 16 2022 10:18:31 GMT-0600
(Central Standard Time)



Distribution of bins



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