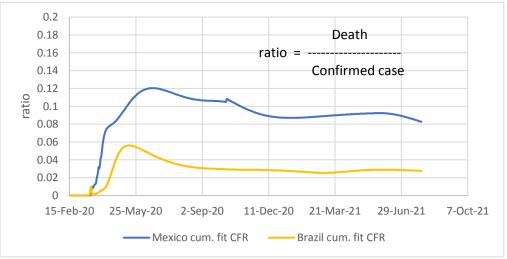
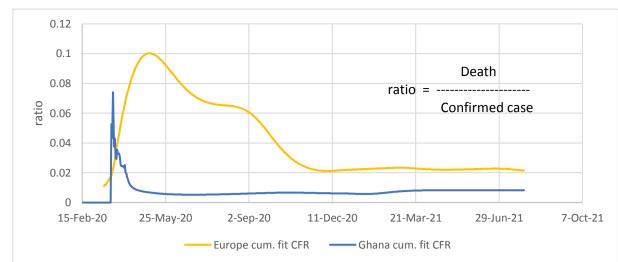
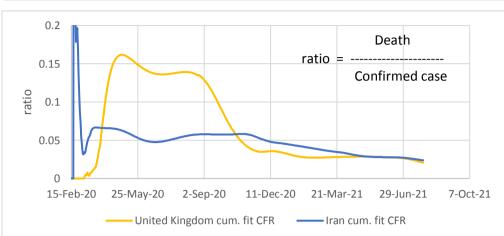
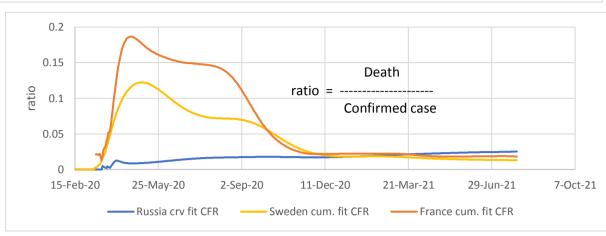
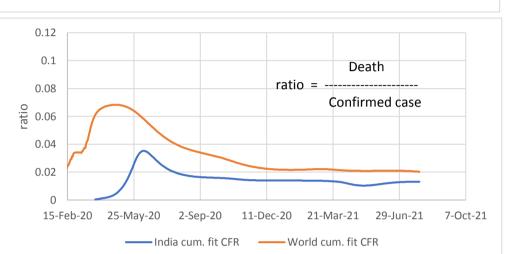
Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

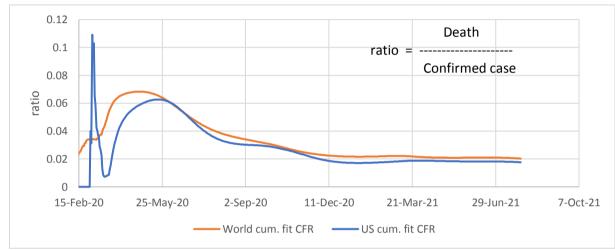






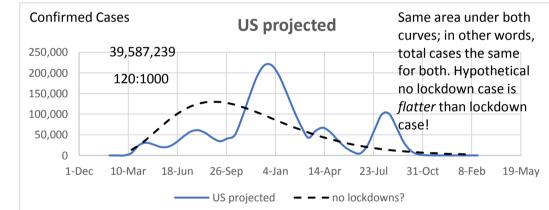




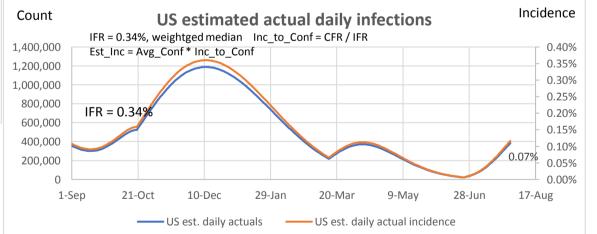


Excess deaths as a Z score:

Baseline set at Z = 0







0.07% X 14 = 0.980%

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

Excess normalized to std

Use 0.07% as estimated daily incidence

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

excess deaths

excess deaths

excess deaths

Lxcess normalized to stude of 2017 - 2019 deaths.

150

N 100

50

0 10 20 30 40 50 60

week

cumulative 2020cumulative 2021

	Positive	Negative	
test pos	0.970%	0.990%	1.96%
test neg	0.010%	98.030%	<u>98.04%</u>
	0.980%	99.020%	100.00%

99% accuracy of test

False pos. is more than half of total positives.

TRUE + 0.97%/1.96%

FALSE + 0.99%/1.96% <u>50.5%</u> Total ------ 100.00%

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

Counter-act this tendency by increasing test sensitivity. However this may increase false negatives, the recipients of which may be positive, think they're negative, and go spread it around some more.

49.5%

US mortality vs. India 200:100,000 180:100,000 160:100,000 140:100,000 120:100,000 100:100,000 80:100,000 60:100,000 40:100,000 20:100,000 0:100,000 10-Mar 18-Jun 26-Sep 4-Jan 14-Apr 23-Jul 31-Oct 1-Dec —— US cum. fit per 100k —— India cum. fit per 100k

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

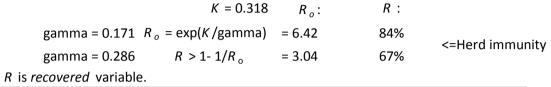
USA Excess Deaths to date (from CDC data):

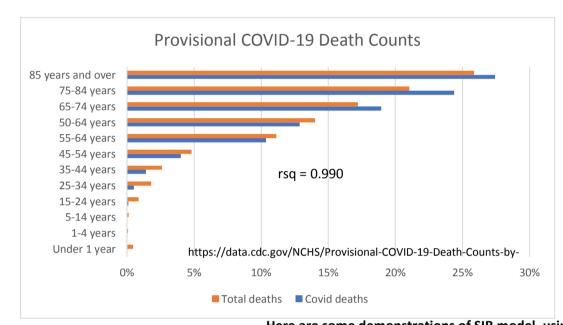
	29 weeks	All Cause	All C	ause, excl. CV19	CV19
3	yr average before 2020	472:10	00,000	472:100,000	-
	2021	557:10	00,000	485:100,000	-
	Diff.	86:10	0,000	13:100,000	73:100,000

3 yr average	
859:100,000	

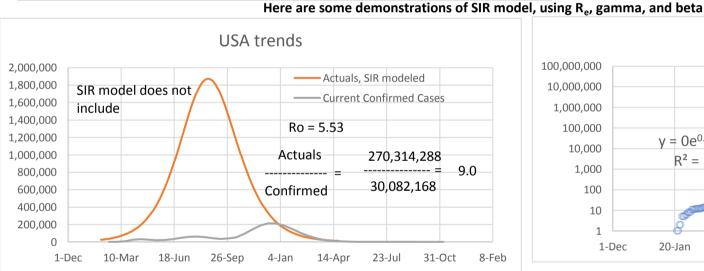
15% of All-Cause excess deaths are non-CV19

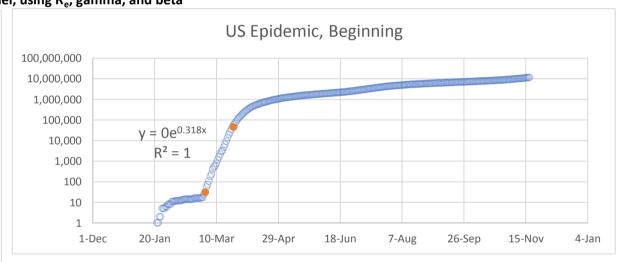
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data

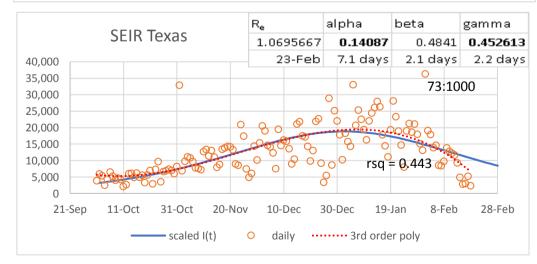


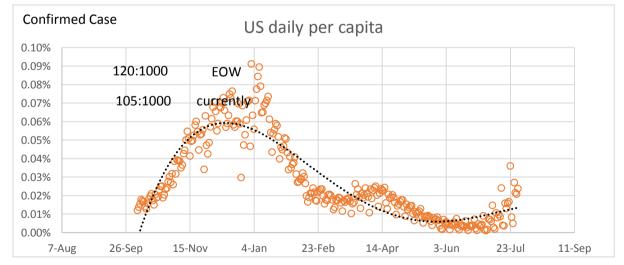


Proj. US cumulative 96% of pop. 350,000 350,000,000 If actual infections are 300,000,000 300,000 multiples of confirmed 62% of pop. 250,000,000 250,000 cases, here's what it looks like. CDC est. X 8. (Blue 200,000,000 200,000 line at 0.34% IFR) 150,000,000 150,000 100,000,000 100,000 50,000,000 50,000 1-Dec 10-Mar 18-Jun 26-Sep 4-Jan 14-Apr 23-Jul 31-Oct 8-Feb -8 X proj. US cumulative —— US projected cumulative —— 5.2 X proj. US cumulative Daily ----- US projected

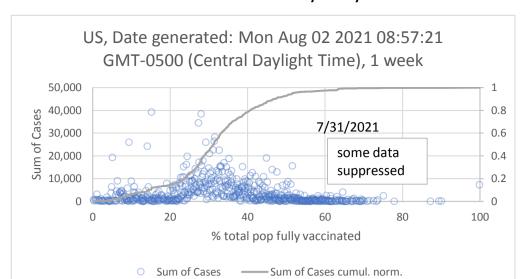




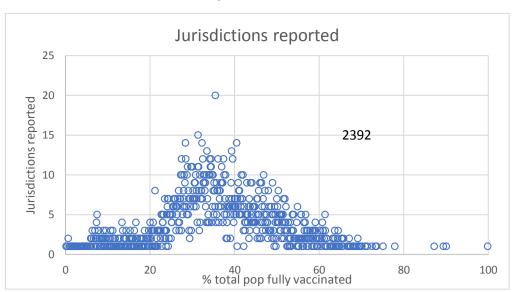




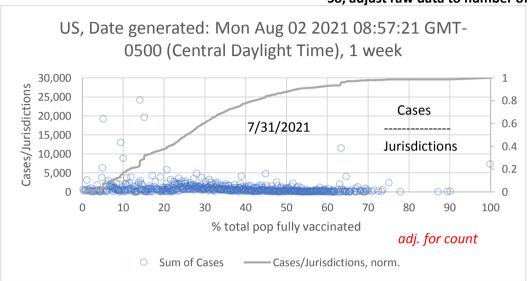
CDC data on week indicated new cases by % fully vaccinated.

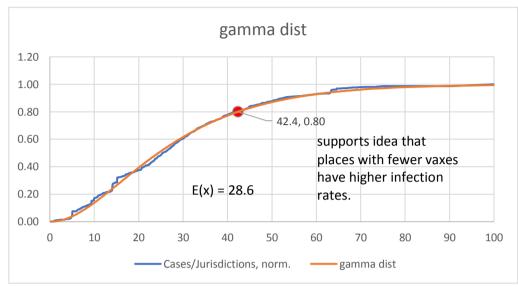


However, Jurisdictions not evenly distributed:

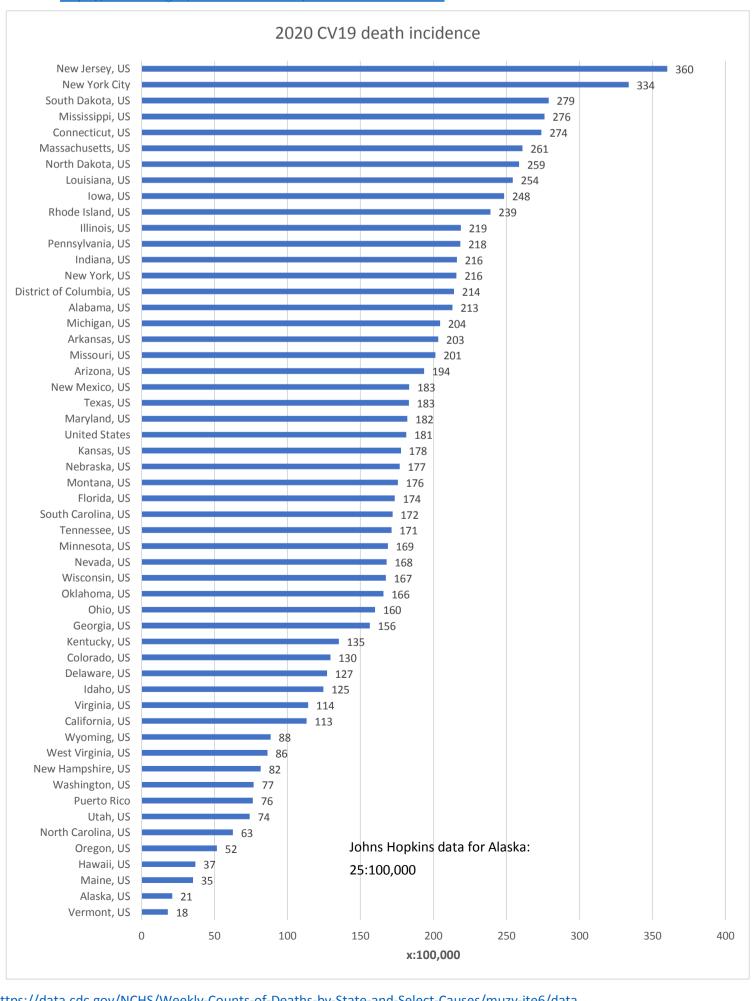


So, adjust raw data to number of jurisdictions in each count:





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



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