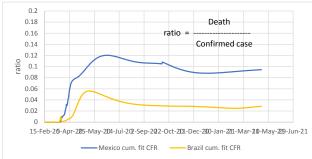
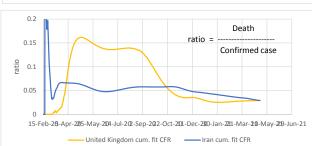
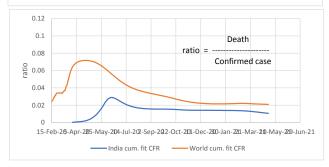
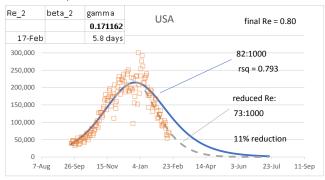
Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)



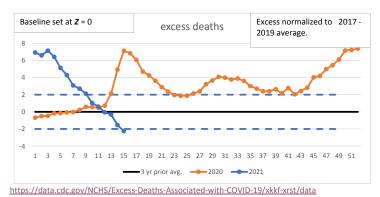


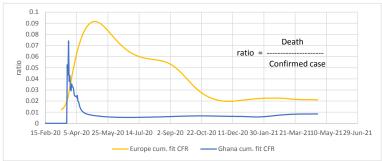


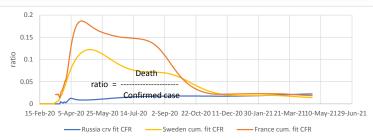
Demonstration of SIR model where R $_{e}$ is linearly reduced to 0.80 at the end of the sequence:

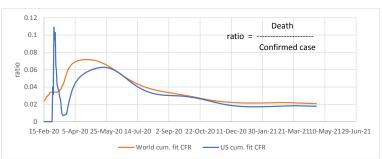


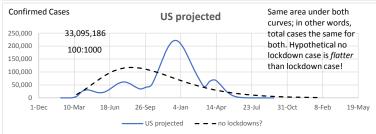
Reducing the $R_{\it e}$ while keeping gamma constant is the same as reducing contact rate. Contact rate is reduced through isolation, lockdowns, and vaccinations. Seems to indicate timing of start of measures is a big factor. The orange data taken as without measures, but we know certain measures were taken. Hard to determine effect, without a basis of comparison.

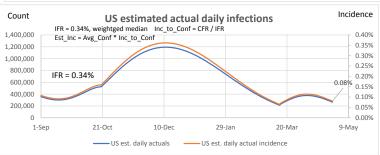












False Positives Demonstration

Use 0.08% from US est. incidence above as estimated daily incidence

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

99% accuracy of test

0.08% X 14 = 1.120%

	99%	accuracy of test			
		Positive	Negative		
test pos		1.109%	0.989%	2.10%	
test neg		0.011%	97.891%	97.90%	
		1 120%	00 000%	100 00%	

False pos. is less than half of total positives.

TRUE + 1.109%/2.1% 52.9% FALSE + 0.989%/2.1% 47.1% 100.00% 100.00%

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.

Provisional COVID-19 Death Counts 85 years and over 75-84 years 65-74 years 50-64 years 55-64 years 45-54 years rsq = 0.990 35-44 years 25-34 years 15-24 years 5-14 years https://data.cdc.gov/NCHS/Provisional-COVID-19-Death-Counts-by-Sex-Age-and-S/9bhg-hcku/data 1-4 years Under 1 year 0% 10% 15% 25% 30% ■ Total deaths ■ Covid deaths

USA Excess Deaths (from CDC data):

Annualized on 52 weeks

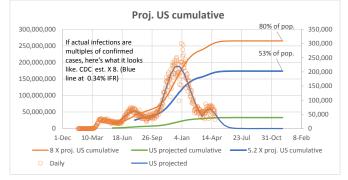
	All Cause	All Cause, excl. CV19	CV19
3 yr average before 2020	859:100,000	859:100,000	-
2020	1015:100,000	904:100,000	-
Diff.	156:100,000	45:100,000	111:100.000

3 yr average 859:100,000

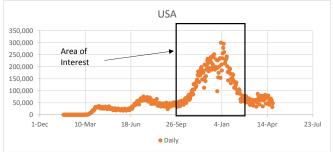
29% of All-Cause excess deaths are non-CV19

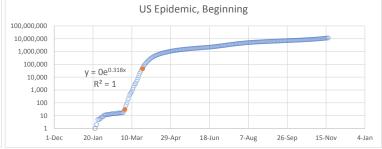
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data

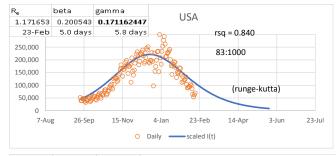
R is recovered variable.

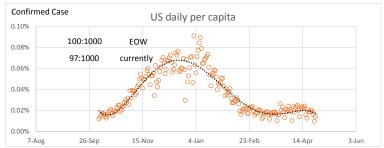


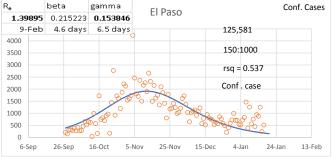
Here are some demonstrations of SIR model, using Re, gamma, and beta

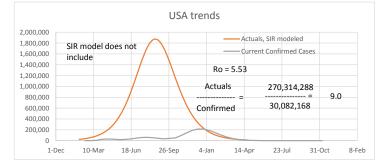


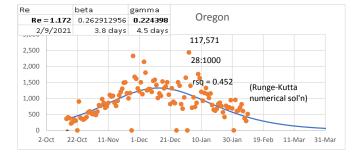


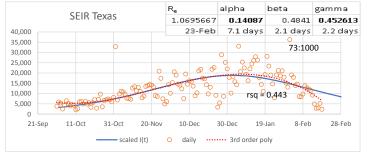


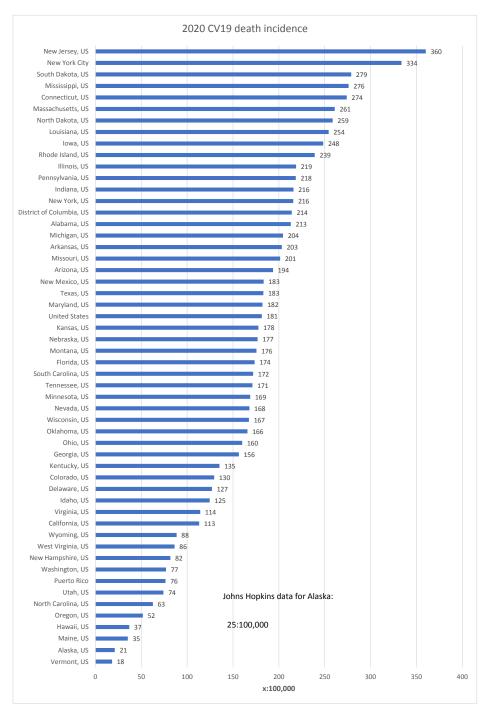












 $\underline{https://data.cdc.gov/NCHS/Weekly-Counts-of-Deaths-by-State-and-Select-Causes/muzy-jte6/data}$