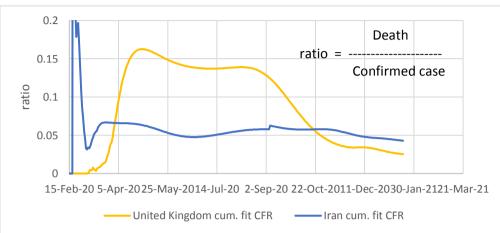
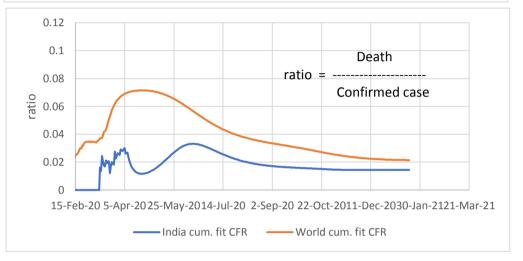
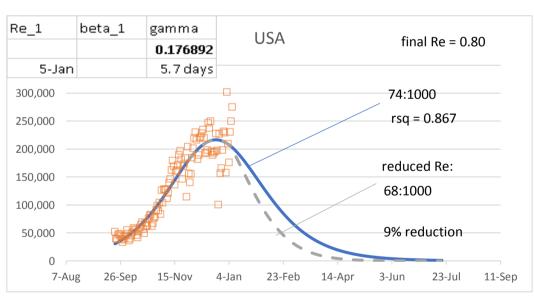
## Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

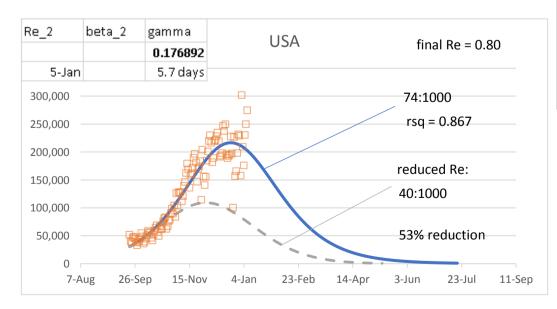




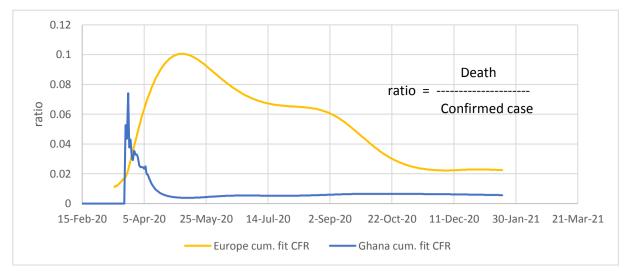


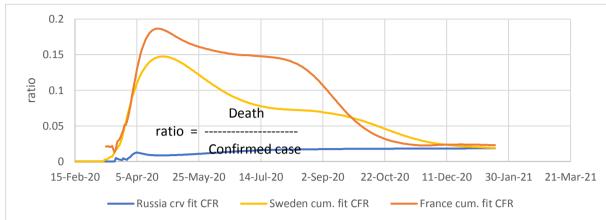
Demonstration of SIR model where  $R_{\,e}\,$  is linearly reduced to 0.80 at the end of the sequence:

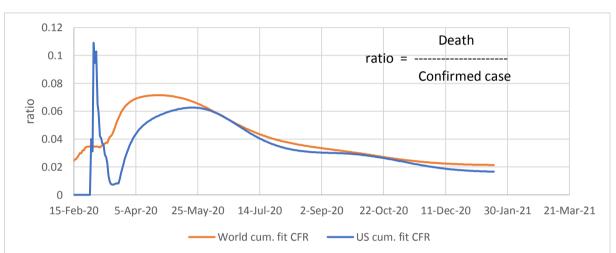


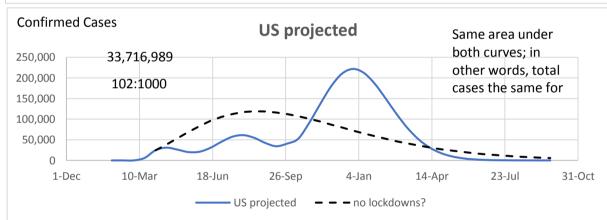


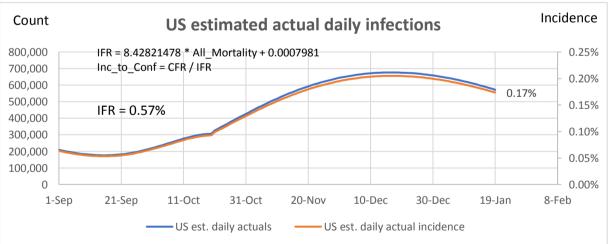
Reducing the  $R_{\,e}\,$  while keeping gamma constant is the same as reducing contact rate. Contact rate is reduced through isolation, lockdowns, and vaccinations. Seems to indicate timing of start of measures is a big factor. The orange data taken as without measures, but we know certain measures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









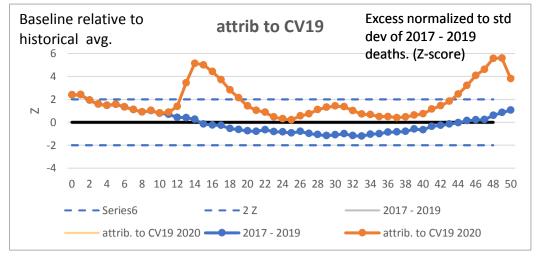


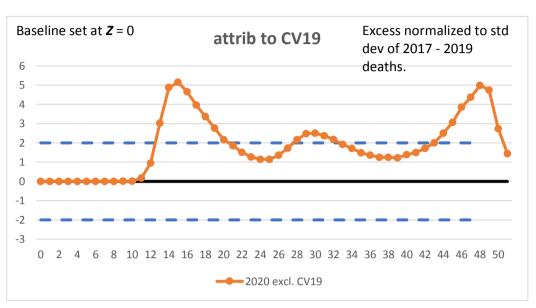
## False Positives Demonstration

Use 0.17% from US est. incidence above as estimated daily incidence *Prevalence* estimated as avg. infected period of 2 weeks X incidence

99%	accuracy o	f test		0.17% X 14 = 2.380%
	Positive	Negative		
test pos	2.356%	0.976%	3.33%	
test neg	0.024%	96.644%	<u>96.67%</u>	
	2.380%	97.620%	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.





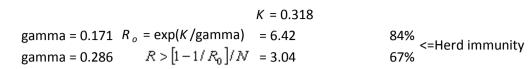
## **USA Excess Deaths (from CDC data):**

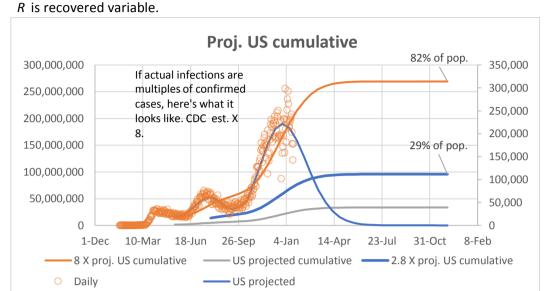
	Annualized on 52 weeks		Weeks are labelled 0 thru 51		
		All Cause	All Cause, excl. CV19	CV19	
3	yr average before 2020	859:100,000	876:100,000	-	
	2020	1009:100,000	909:100,000	-	
	Diff.	133:100,000	34:100,000	99:100,000	

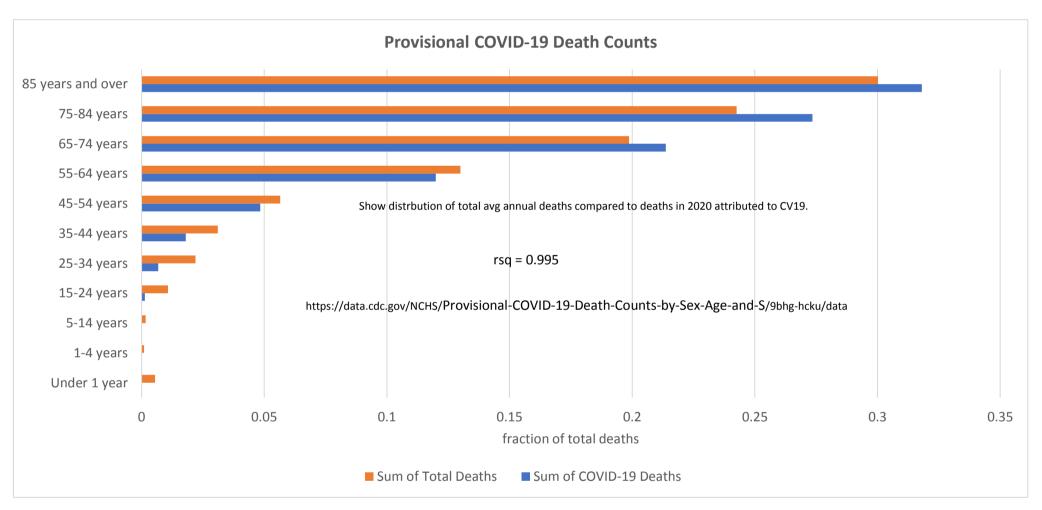
3 yr average 859:100.000

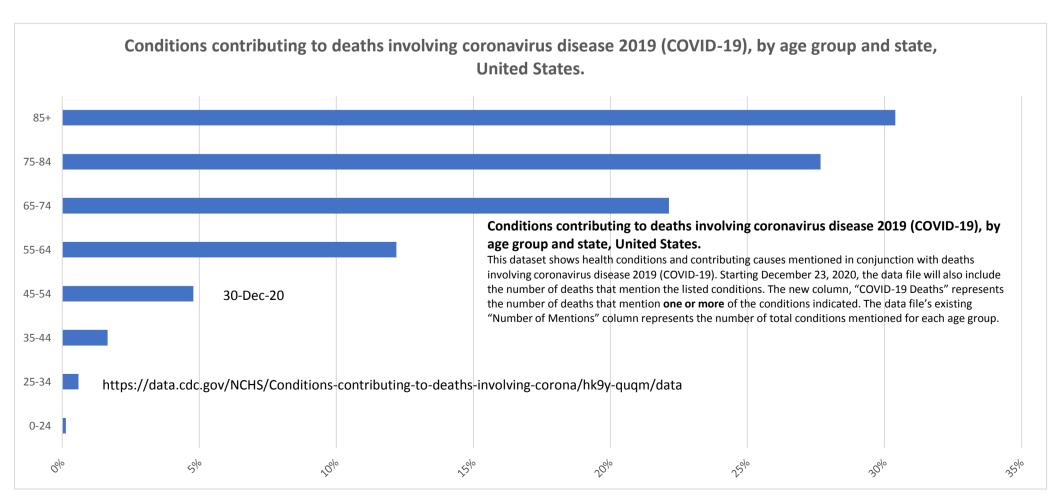
26% of All-Cause excess deaths are non-CV19

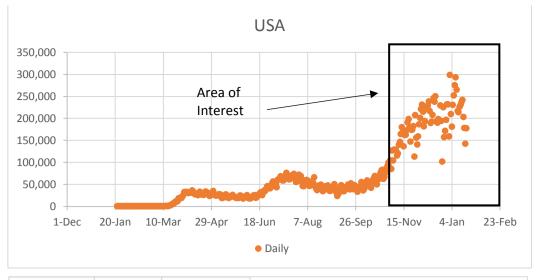
https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data

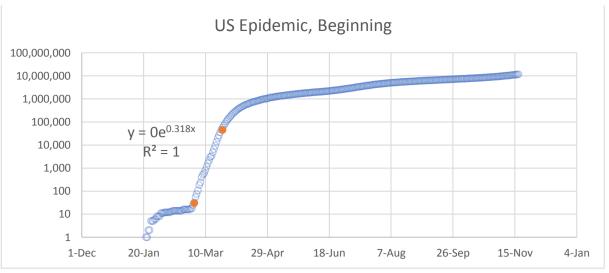


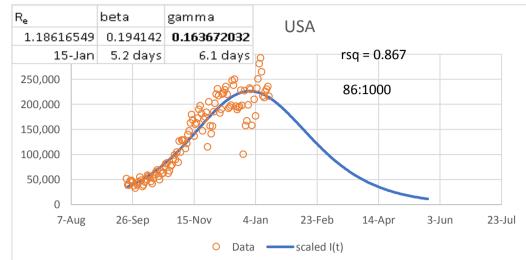


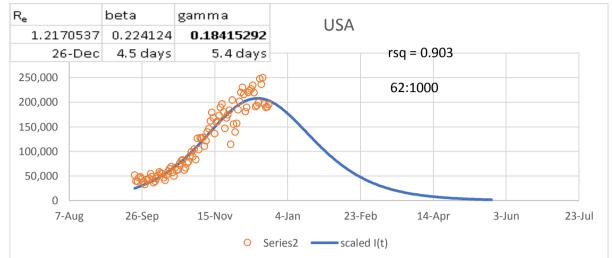


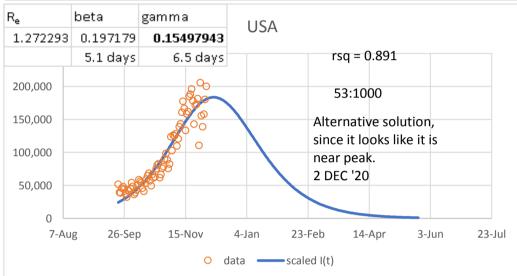


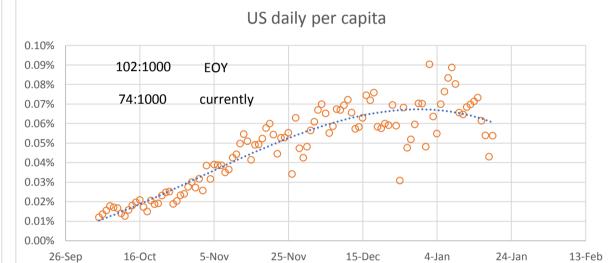


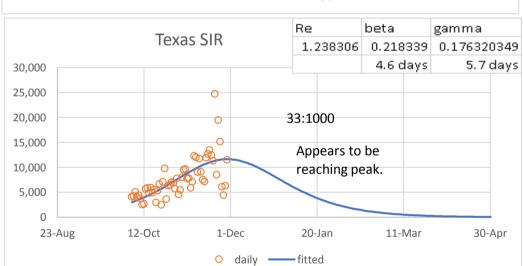


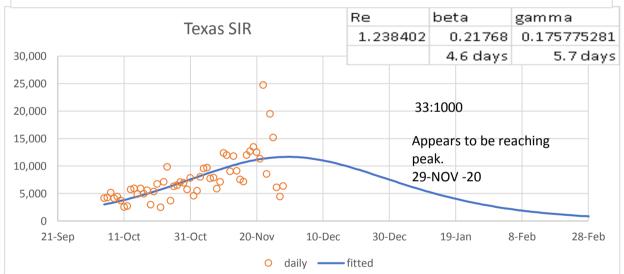


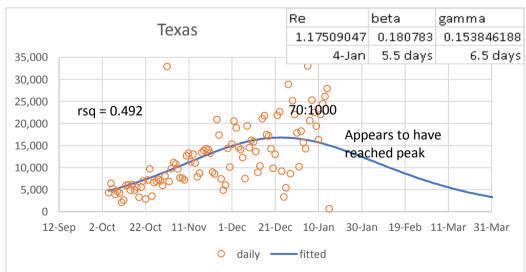


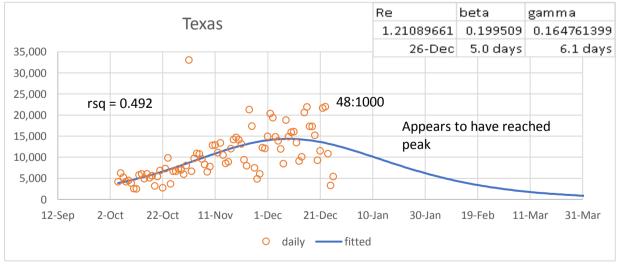


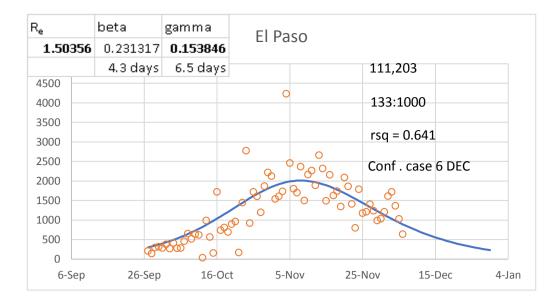


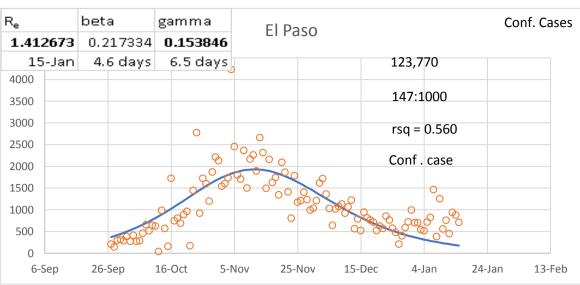


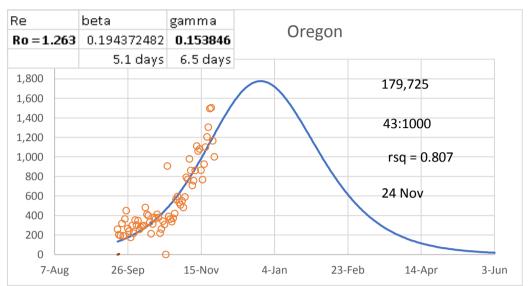


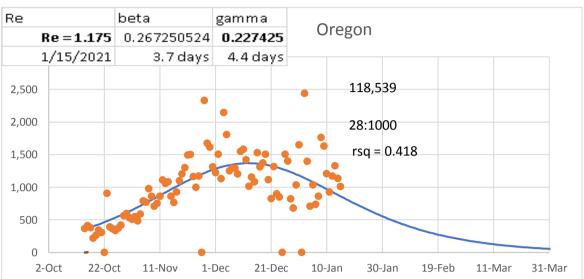


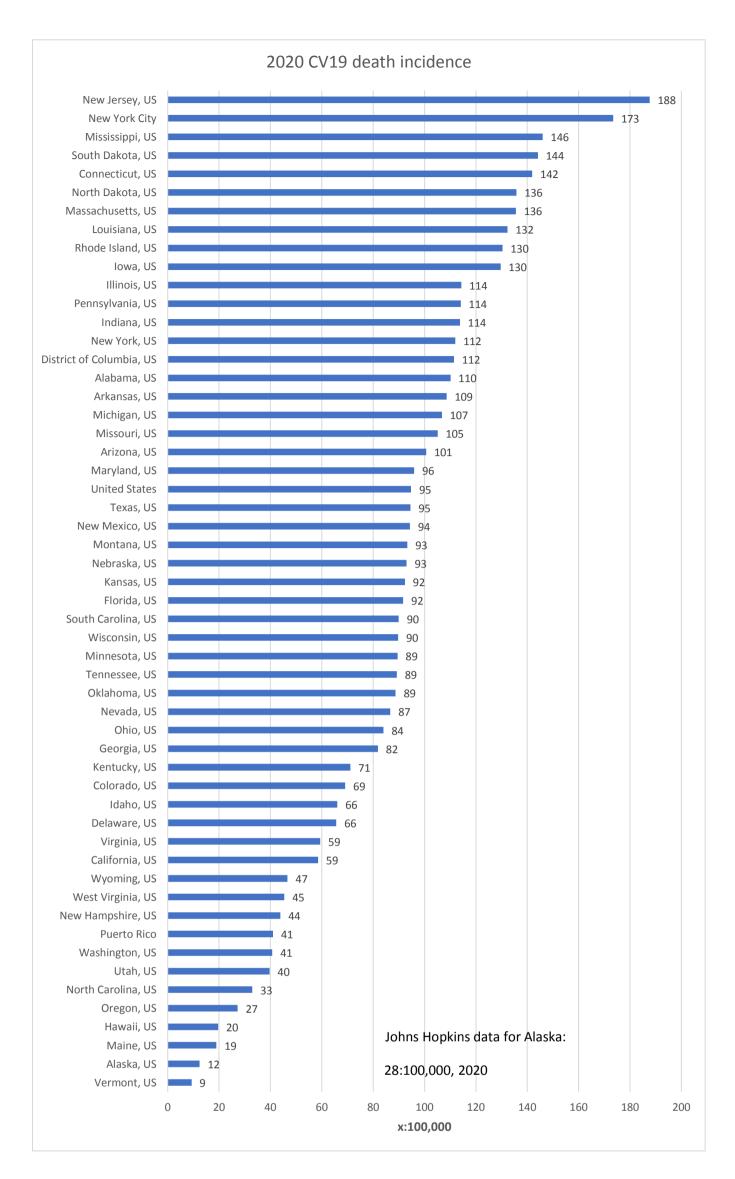












https://data.cdc.gov/NCHS/Weekly-Counts-of-Deaths-by-State-and-Select-Causes/muzy-jte6/data