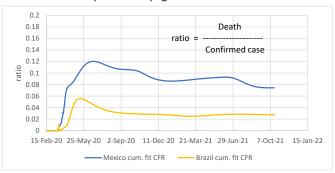
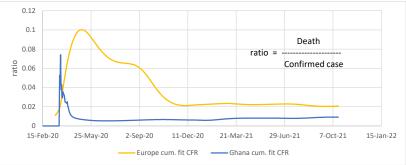
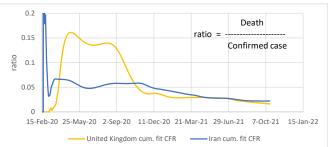
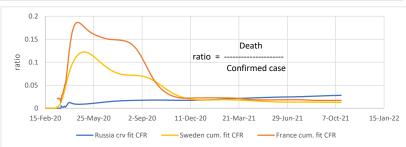
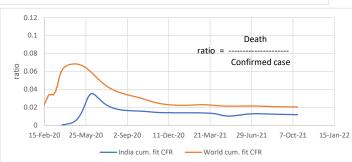
Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

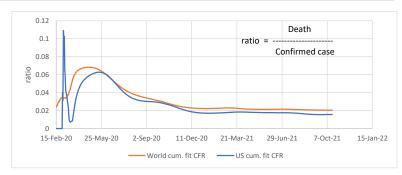




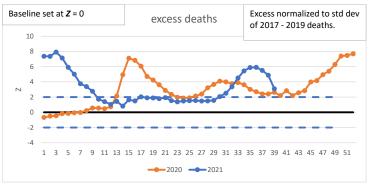


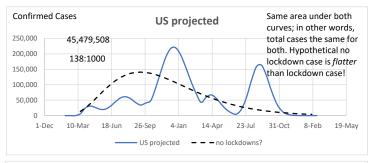






Excess deaths as a Z score:





Above based on $\,{\rm Z}$ score of two standard deviation from 2017-2019. What follows is cumulative plot of same.



Est_Inc = Avg_Conf * Inc_to_Conf

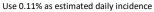
US estimated actual daily infections
IFR = 0.34%, weightged median Inc_to_Conf = CFR / IFR

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

False Positives Demonstration

Count

1,500,000



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

Baseline set at Z = 0		excess death		Excess normalized to std dev of 2017 - 2019 deaths.			
300 - 250 - 200 -							
150 100 5050							
-50 -	10	20	30 week	40	50	60	
	cumulative 202	20 • cumula	ative 2021 • 76	eroed cumulati	ve 2021		

	Positive	Negative		
test pos	1.463%	4.923%	6.39%	
test neg	0.077%	93.537%	93.61%	
	1.540%	98.460%	100.00%	

95% accuracy of test

0.11% X 14 = 1.540%		
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%		

Incidence

0.40%

0.20%

0.10%

0.00%

US mortality vs. India 250:100,000 200:100.000 150:100,000 100:100.000 50:100.000 0:100.000 18-Jun 23-Jul 1-Dec 10-Mar 26-Sep 14-Apr 31-Oct 8-Feb US 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
Diff.	

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

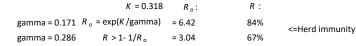
USA Excess Deaths to date (2021, from CDC data):

	40 weeks	All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	657:100,000	657:100,000	-
	2021	785:100,000	677:100,000	-
	Diff.	128:100,000	20:100,000	108:100,000

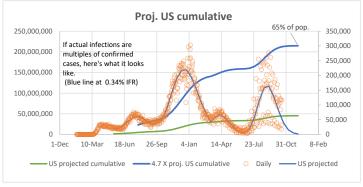
3 yr average 859:100,000

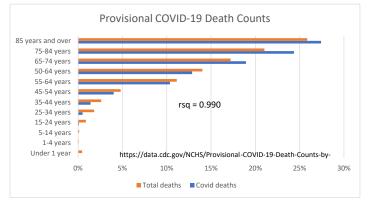
16% of All-Cause excess deaths are non-CV19

Diff.

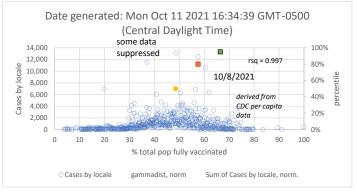


R is recovered variable.



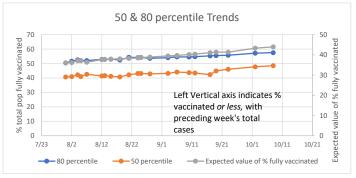


CDC county data on week indicated new cases, by % fully vaccinated.

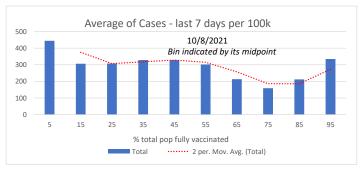


Date generated: Mon Oct 11 2021 16:34:39 GMT-0500 (Central Daylight Time) Only 5% of weekly cases come from 14.000 locales with more than 66.4% 12,000 locale 10,000 10/8/2021 8.000 Cases by some data 6,000 4,000 suppressed derived from 2.000 CDC per capita Ω data 0 10 20 30 40 50 60 70 80 90 100 % total pop fully vaccinated gammadist OCases by locale

reporting jurisdictions not uniformly distributed; some data suppressed, for example, Texas



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



Estimates of Cases per 100k



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