

Flu Vaccine Strongly Implicated in Incidence of Coronavirus SARS-COV-2 (Covid-19)

Introduction

This document provides the latest available vaccination coverage data for the 65+ age group from all countries where this data is readily available from trustworthy sources. The 65+ age group is used because more data is available and this age group is by far the hardest hit by this illness.

Most of the data is from the European Centre for Disease Control, CDC in the United States or equivalent sources. There are some outliers in the data as you would expect with so many factors involved in how people become ill. For this reason, the data is combined into groups from low-use to high-use (percentage vaccinated per million of the population).

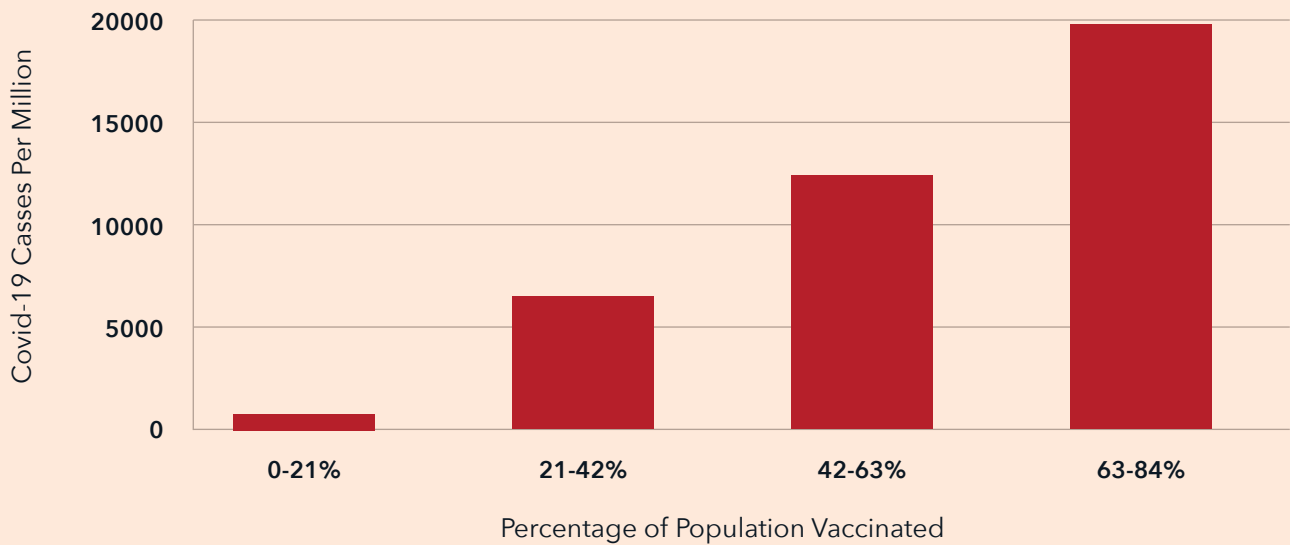
Part 1:
Flu Vaccine Associated
With 29X Likelihood of
SARS-Cov-2 Positive

Flu vaccine usage across countries with available data vs covid-19 cases per million

High Use Flu Vaccine Countries Have 29X More Covid-19 'Cases' Than Low Use Countries

% Influenza Vaccine Coverage vs Covid-19 Cases Per Million

All Countries with available data - 39 Countries - 3.2 Billion Total Population Size.



0-21% Vaccination	Vaccine Coverage %	Population (millions)	Total Cases	Cases Per Million
Estonia	4.8	1.3	5333	4019
Poland	6.9	37.8	439536	11618
China	7.0	1393	86087	60
Turkey	7.0	84.3	384509	4542
Latvia	7.7	1.9	6752	3594
Serbia	11.0	8.7	53495	6131
Slovenia	11.8	2.1	39408	18955
Thailand	12.0	69.5	3804	54
Slovakia	13.0	5.5	66772	12228
Lithuania	13.4	2.7	18092	6679
Total:		1,607	1103788	687
% Vaccinated Weighted Average for Group:				7.3
Weighted Average Cases Per Million for Group:				687

21-42% Vaccination	Vaccine Coverage %	Population (millions)	Latest Cases	Cases Per Million
Czech Republic	20.3	31.7	37028	34555
Iran	25.0	117.4	646164	7660
Hungary	26.8	58.8	90988	6427
Belgium	31.0	11.6	453310	39055
Norway	34.4	5.4	22282	4099
Germany	34.8	83.8	597359	7122
Luxembourg	37.6	0.6	20344	32321
Switzerland	38.0	8.7	192376	22173
Total:		318	2059851	6479
% Vaccinated Weighted Average for Group:				28.2
Weighted Average Cases Per Million for Group:				6479

42-63% Vaccination	Vaccine Coverage %	Population (millions)	Latest Cases	Cases Per Million
Iceland	45.0	0.3	4989	14588
Finland	48.4	5.5	16930	3054
Sweden	49.4	10.1	137730	13608
France	49.7	65.3	1543321	23626
Japan	50.0	126.5	102900	814
Denmark	52.0	5.8	50530	8713
Italy	52.7	60.5	790377	13079
Spain	53.7	46.8	1356798	29016
Ireland	57.6	4.9	63483	12808
Israel	58.2	8.7	317332	34502
Portugal	60.8	10.2	156940	15407
Canada	61.1	37.7	247368	6535
Total:		382	4788698	12527
% Vaccinated Weighted Average for Group:				52.5
Weighted Average Cases Per Million for Group:				12527

63-84% Vaccination	Vaccine Coverage %	Population (millions)	Latest Cases	Cases Per Million
The Netherlands	64.1	17.1	383523	22366
Chile	64.7	19.1	515042	26864
New Zealand	65.0	4.8	1971	394
USA	67.5	331.0	9778958	29484
UK	71.0	53.0	1099059	16161
Brazil	71.8	212.5	5590025	26235
Australia	73.0	25.0	27620	1079
South Korea	82.7	51.3	26925	525
Mexico	82.3	126.2	938405	7252
Total:		816	16253315	19921
% Vaccinated Weighted Average for Group:				59.8
Weighted Average Cases Per Million for Group:				19921

	Average Vaccination	Cases Per Million
0-21%	7.3	687
21-42%	28.2	6479
42-63%	52.5	12527
63-84%	59.8	19921
Total Population:		3157 million
Correlation Coefficient:		0.967

Part 2:
Flu Vaccine Associated
With 14X Likelihood of
Death Involving Covid-19

a) All Countries With Available
Vaccination Data

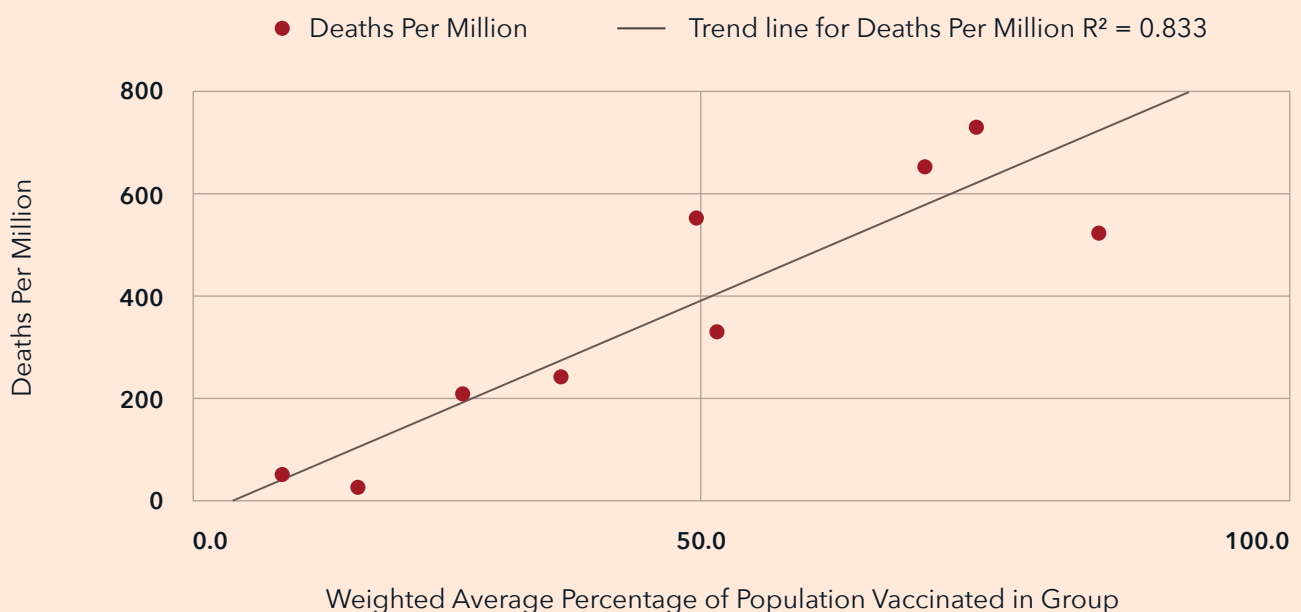
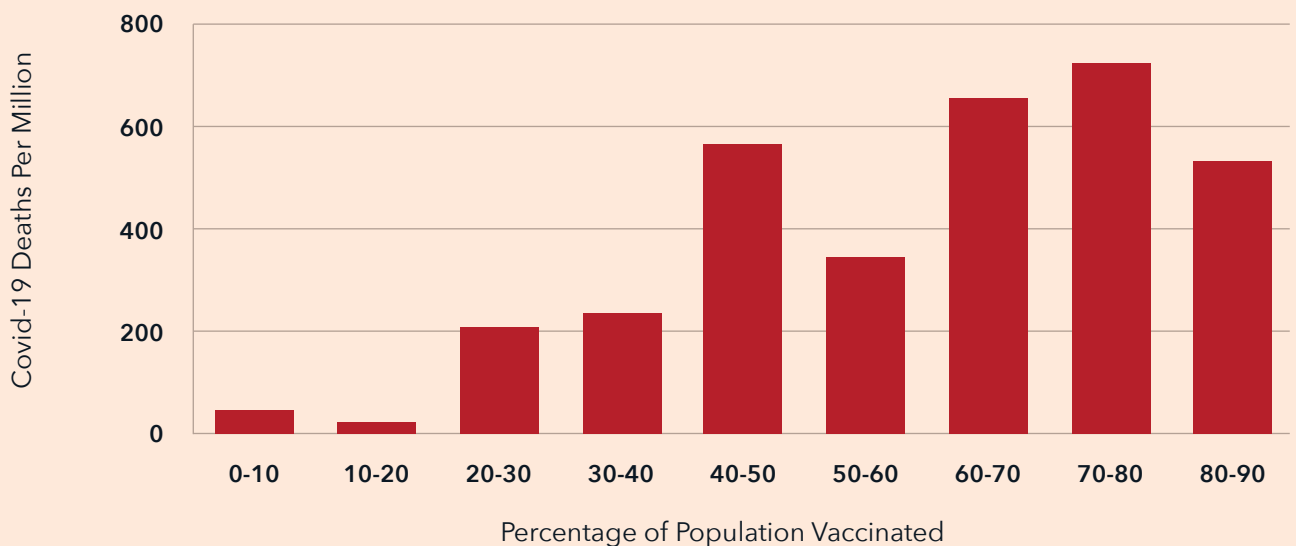
Flu vaccine usage across countries with available data vs covid-19 deaths per million

High Use Flu Vaccine Countries Have 14X the Number of Covid-19 Deaths Than Low Use Countries

For all countries, the association is very clear, however, countries in the eastern hemisphere such as Japan, South Korea, Australia and New Zealand show much lower rates of SARS-Cov-2 positive cases and Covid-19 mortality. This appears to be a regional variation possibly due to exposure to similar viruses in the past such as SARS.

% Influenza Vaccine Coverage vs Covid-19 Mortality

All Countries With Available Data - 39 Countries - 3.2 Billion Total Population Size



0-10% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Estonia	4.8	1.3	73	55.0
Poland	6.9	37.8	6475	171.1
China	7.0	1,393.0	4634	3.3
Turkey	7.0	84.3	10558	125.2
Latvia	7.7	1.9	85	45.1
Total:		1,518.4	21825	399.72
% Vaccinated Weighted Average for Group:				7.7
Weighted Average Cases Per Million for Group:				45

10-20% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Serbia	11.0	8.7	850	97.3
Slovenia	11.8	2.1	441	212.2
Thailand	12.0	69.5	59	0.8
Slovakia	13.0	5.5	261	47.8
Lithuania	13.4	2.7	182	66.9
		88.5	1793	
% Vaccinated Weighted Average for Group:				13.0
Weighted Average Cases Per Million for Group:				20

20-30% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Czech Republic	20.3	31.7	4089	129.2
Iran	25.0	117.4	36579	311.5
Hungary	26.8	58.8	2063	35.1
		207.9	42731	
% Vaccinated Weighted Average for Group:				24.8
Weighted Average Cases Per Million for Group:				206

30-40% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Belgium	31.0	11.6	12126	1,049.0
Norway	34.4	5.4	282	52.0
Germany	34.8	83.8	11028	131.6
Luxembourg	37.6	0.6	171	273.2
Switzerland	38.0	8.7	2555	295.2
Total:		110.0	26162	
% Vaccinated Weighted Average for Group:				34.6
Weighted Average Cases Per Million for Group:				238

40-50% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Iceland	45.0	0.3	17	49.7
Finland	48.4	5.5	361	65.2
Sweden	49.4	10.1	5997	593.8
France	49.7	65.3	38674	592.5
Total:		81.3	45049	
% Vaccinated Weighted Average for Group:				49.6
Weighted Average Cases Per Million for Group:				554

50-60% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Japan	50.0	126.5	1786	14.1
Denmark	52.0	5.8	729	125.9
Italy	52.7	60.5	39764	657.7
Spain	53.7	46.8	38118	815.4
Ireland	57.6	4.9	1930	390.8
Israel	58.2	8.7	2597	300.0
Total:		253.1	84924	
% Vaccinated Weighted Average for Group:				51.8
Weighted Average Cases Per Million for Group:				336

60-70% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Portugal	60.8	10.2	2694	264.2
Canada	61.1	37.7	10330	273.7
The Netherlands	64.1	17.1	7682	448.3
Chile	64.7	19.1	14340	750.0
New Zealand	65.0	4.8	25	5.2
USA	67.5	331.0	239611	723.9
Total:		420.0	274682	
% Vaccinated Weighted Average for Group:				66.5
Weighted Average Cases Per Million for Group:				654

70-80% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
UK	71.0	53.0	47742	900.8
Brazil	71.8	212.5	161106	758.1
Australia	73.0	25.0	907	36.3
Total:		290.5	209755	
% Vaccinated Weighted Average for Group:				71.8
Weighted Average Cases Per Million for Group:				722

80-90% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
South Korea	82.7	51.3	474	9.2
Mexico	82.3	126.2	92593	733.7
Total:		177.5	93067	
% Vaccinated Weighted Average for Group:				82.4
Weighted Average Cases Per Million for Group:				524

Groups	Weighted Average Vaccination	Deaths Per Million
0-10	7.7	45
10-20	13.0	20
20-30	24.8	206
30-40	34.6	238
40-50	49.6	554
50-60	51.8	336
60-70	66.5	654
70-80	71.8	722
80-90	82.4	524
Total Population:		3.17 billion
Correlation Coefficient:		0.962

b) All Countries With Available
Vaccination Data (Western Hemisphere)

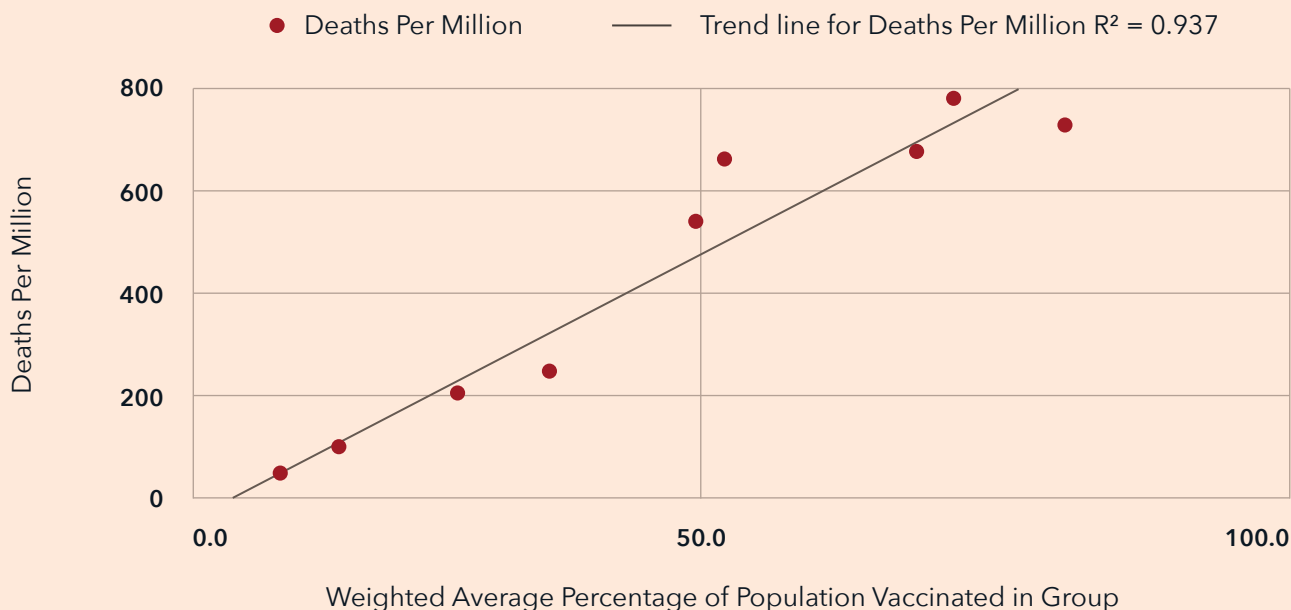
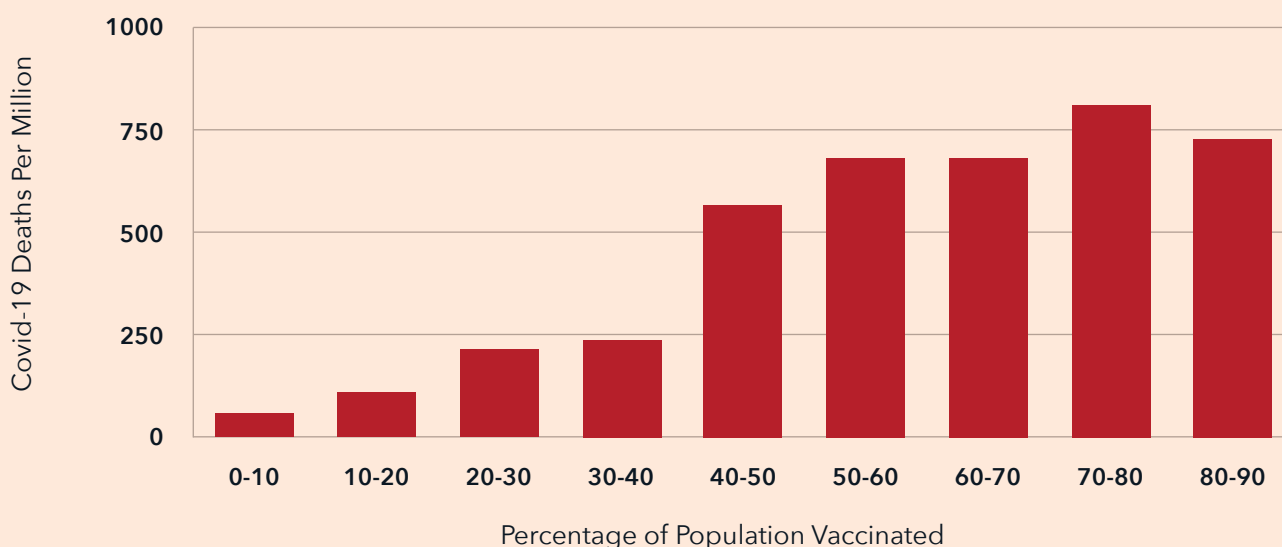
Flu vaccine usage across countries with available data vs covid-19 deaths per million (asia pacific region not included)

High Use Flu Vaccine Countries Have 14X the Number of Covid-19 Deaths Than Low Use Countries

The data here is for countries in the western hemisphere with Japan, South Korea, Australia, Thailand and New Zealand removed.

% Influenza Vaccine Coverage vs Covid-19 Deaths Per Million

All Non-Asia Pacific Countries With Available Data - 32 Countries - 3.2 Billion Total Population Size



0-10% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Estonia	4.8	1.3	73	55.0
Poland	6.9	37.8	6475	171.1
Turkey	7.0	84.3	10558	125.2
Latvia	7.7	1.9	85	45.1
Total:		125.4	17191	396.4
% Vaccinated Weighted Average for Group:				7.70
Weighted Average Cases Per Million for Group:				45

10-20% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Serbia	11.0	8.7	850	97.3
Slovenia	11.8	2.1	441	212.2
Slovakia	13.0	5.5	261	47.8
Lithuania	13.4	2.7	182	66.9
Total:		19.0	1734	
% Vaccinated Weighted Average for Group:				13.00
Weighted Average Cases Per Million for Group:				91

20-30% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Czech Republic	20.3	31.7	4089	129.2
Iran	25.0	117.4	36579	311.5
Hungary	26.8	58.8	2063	35.1
Total:		207.9	42731	
% Vaccinated Weighted Average for Group:				24.79
Weighted Average Cases Per Million for Group:				206

30-40% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Belgium	31.0	11.6	12126	1,049.0
Norway	34.4	5.4	282	52.0
Germany	34.8	83.8	11028	131.6
Luxembourg	37.6	0.6	171	273.2
Switzerland	38.0	8.7	2555	295.2
Total:		110.0	26162	
% Vaccinated Weighted Average for Group:				34.6
Weighted Average Cases Per Million for Group:				238

40-50% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Iceland	45.0	0.3	17	49.7
Finland	48.4	5.5	361	65.2
Sweden	49.4	10.1	5997	593.8
France	49.7	65.3	38674	592.5
Total:		81.3	45049	
% Vaccinated Weighted Average for Group:				49.60
Weighted Average Cases Per Million for Group:				554

50-60% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Denmark	52.0	5.8	729	125.9
Italy	52.7	60.5	39764	657.7
Spain	53.7	46.8	38118	815.4
Ireland	57.6	4.9	1930	390.8
Israel	58.2	8.7	2597	300.0
Total:		126.6	83138	
% Vaccinated Weighted Average for Group:				53.6
Weighted Average Cases Per Million for Group:				657

60-70% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Portugal	60.8	10.2	2694	264.2
Canada	61.1	37.7	10330	273.7
The Netherlands	64.1	17.1	7682	448.3
Chile	64.7	19.1	14340	750.0
USA	67.5	331.0	239611	723.9
Total:		415.2	274657	
% Vaccinated Weighted Average for Group:				66.5
Weighted Average Cases Per Million for Group:				662

70-80% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
UK	71.0	53.0	47742	900.8
Brazil	71.8	212.5	161106	758.1
Total:		265.5	208848	
% Vaccinated Weighted Average for Group:				71.6
Weighted Average Cases Per Million for Group:				787

80-90% Vaccination	Vaccine Coverage %	Population (millions)	Deaths	Deaths Per Million
Mexico	82.3	126.2	92593	733.7
Total:		126.2	92593	
% Vaccinated Weighted Average for Group:				82.3
Weighted Average Cases Per Million for Group:				734

Groups	Weighted Average Vaccination	Deaths Per Million
0-10	7.7	45
10-20	13.0	91
20-30	24.8	206
30-40	34.6	238
40-50	49.6	554
50-60	53.6	657
60-70	66.5	662
70-80	71.6	787
80-90	82.3	734
Total Population:		3.17 billion
Correlation Coefficient:		0.979

Notes

1. Data is combined into percentage groups with at least 80,000,000 people in each group to adjust for the following:

- Accuracy of diagnosis & financial incentives for innacurate diagnosis
- Protective factors such as diet, sun exposure (vitamin D), genetic differences
- Quality of healthcare
- General health of 65+ age group
- Population density
- Throughput of overseas visitors
- Extent of lockdown
- Average age of population
- Availability of effective treatments such as hydroxychloroquine / AZT / Zinc
- Differences in the ratio of 65+ age group compared to the rest of the population

2. Vaccination rate of group is based on combined population number and percentage vaccinated in each country

3. Mortality data source: Worldofmeters.info

4. Vaccination Data:

- Correlation of Influenza Vaccination and Influenza Incidence on Covid-19 Severity, MC Arokiaraj
- https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3572814
- <https://www.statista.com/chart/16575/global-flu-immunization-rates-vary/>
- UK Office of National Statistics

5. Vaccination Data is the most recent available

6. Population Data Google

7. Uses 65+ Age Group as a proxy for vaccination across each country

Conclusion

Although (for obvious reasons) many “Fact-Check” websites and non-peer-reviewed studies attempt to debunk this association, the very high correlation between the number of people vaccinated in a population group and the incidence of covid-19 cases or deaths, and the 30x and 14x likelihood of either a case or mortality, strongly suggests a causal link between the two.

The correlation coefficient is a statistical measure of the strength of the relationship between the relative movements of two variables. The values range between -1.0 and 1.0 where 1.0 is perfect correlation.

Correlation of flu vaccination coverage vs SAR-Cov-2 positives = 0.969

Correlation of flu vaccination coverage vs Covid-19 mortality = 0.962

Correlation of flu vaccination coverage vs Covid-19 mortality (western hemisphere) = 0.979

The data covers a total population size of 3.2 billion people (approximately 40% of the world population).

If anyone can add to this, including confirmed vaccination coverage of other countries, particularly those with large populations, or details of the types of vaccines used in different locations, please forward this to fluvaccine@protonmail.com.

Find this online at: tiny.cc/flushot.