

Appendices to “Estimates of the excess mortality associated with the COVID-19 pandemic from the World Health Organization”

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Contents

A	Plots of annual estimates of excess mortality associated with the COVID-19 pandemic (2020 and 2021)	2
B	Tables of annual estimates of excess mortality associated with the COVID-19 pandemic (2020, 2021 and both years combined)	6
C	Tables of annual estimates of excess mortality associated with the COVID-19 pandemic per 100,000 population (2020, 2021 and both years combined)	24

A Plots of annual estimates of excess mortality associated with the COVID-19 pandemic (2020 and 2021)

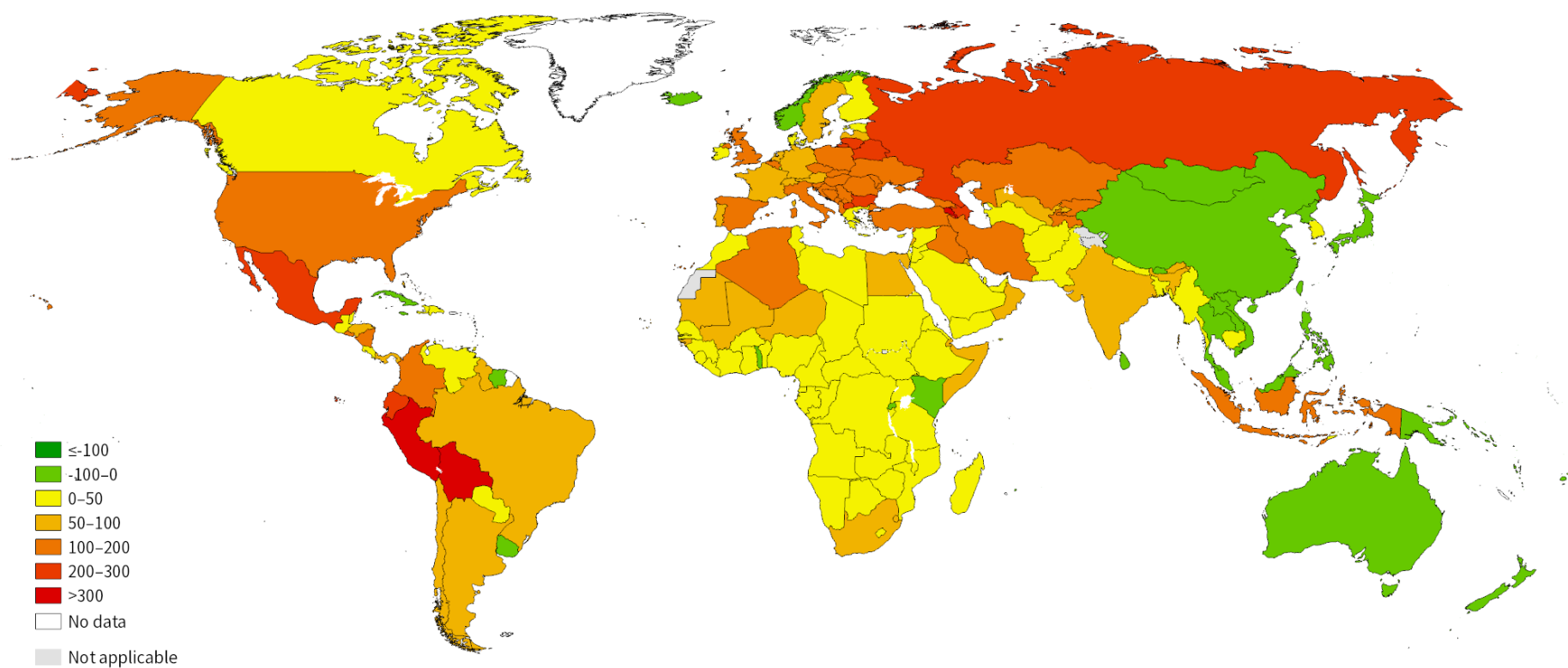


Figure 1: Cumulative estimates of excess mortality per 100,000 population, January 2020 to December 2020

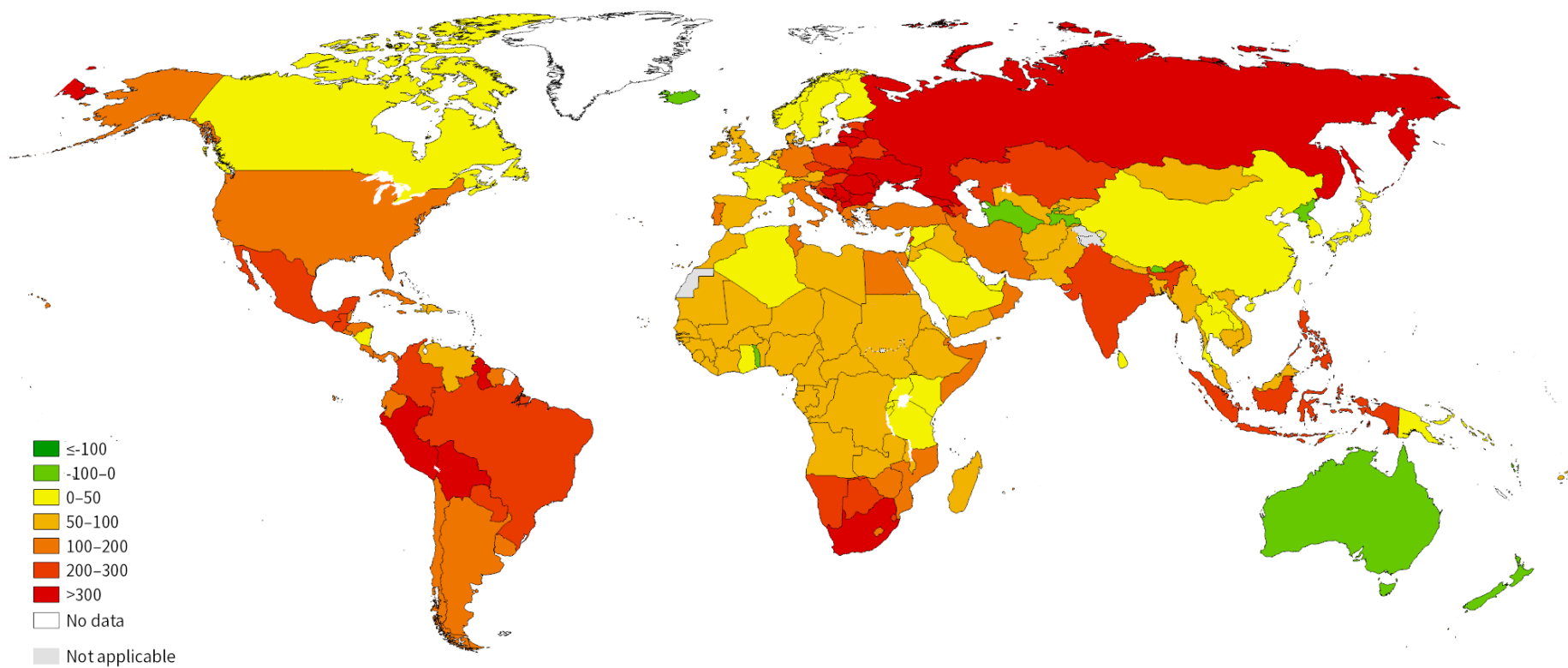
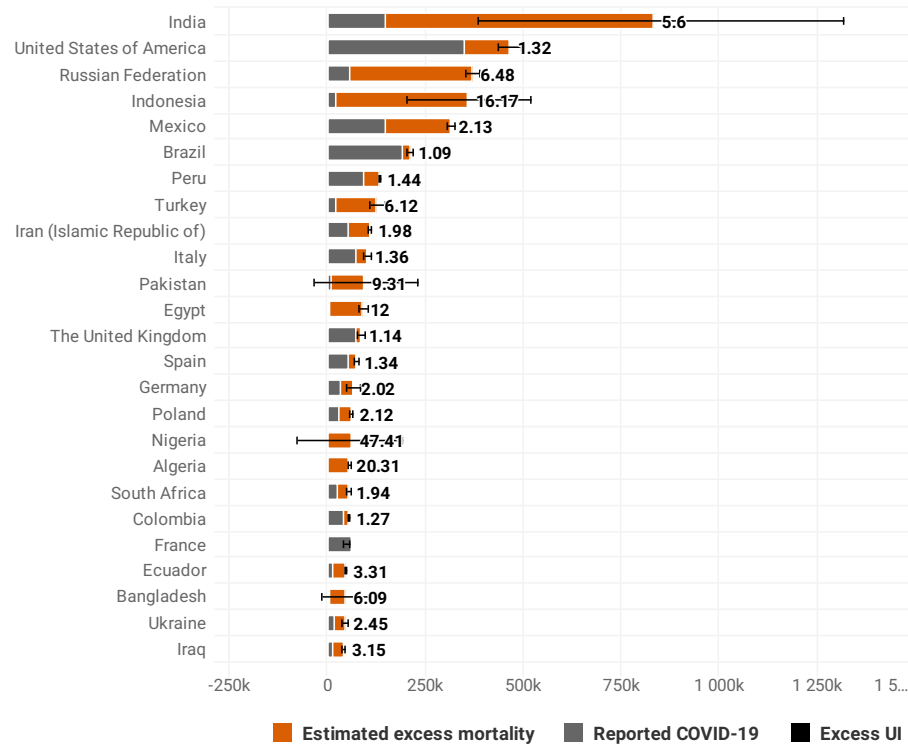


Figure 2: Cumulative estimates of excess mortality per 100,000 population, January 2021 to December 2021

Cumulative reported COVID-19 and estimated excess deaths, 2020

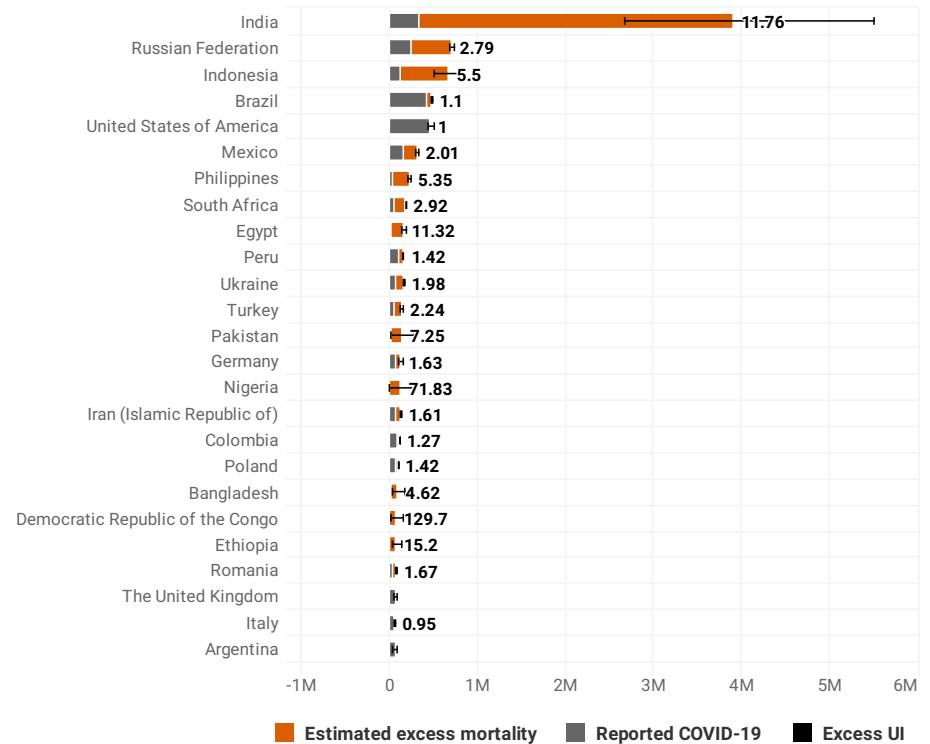
Ranking according to excess deaths, countries 1 to 25. Ratio of excess mortality to reported COVID-19 is annotated.



Source: <https://covid19.who.int/> and WHO estimates of excess mortality associated with COVID-19

Cumulative reported COVID-19 and estimated excess deaths, 2021

Ranking according to excess deaths, countries 1 to 25. Ratio of excess mortality to reported COVID-19 is annotated.

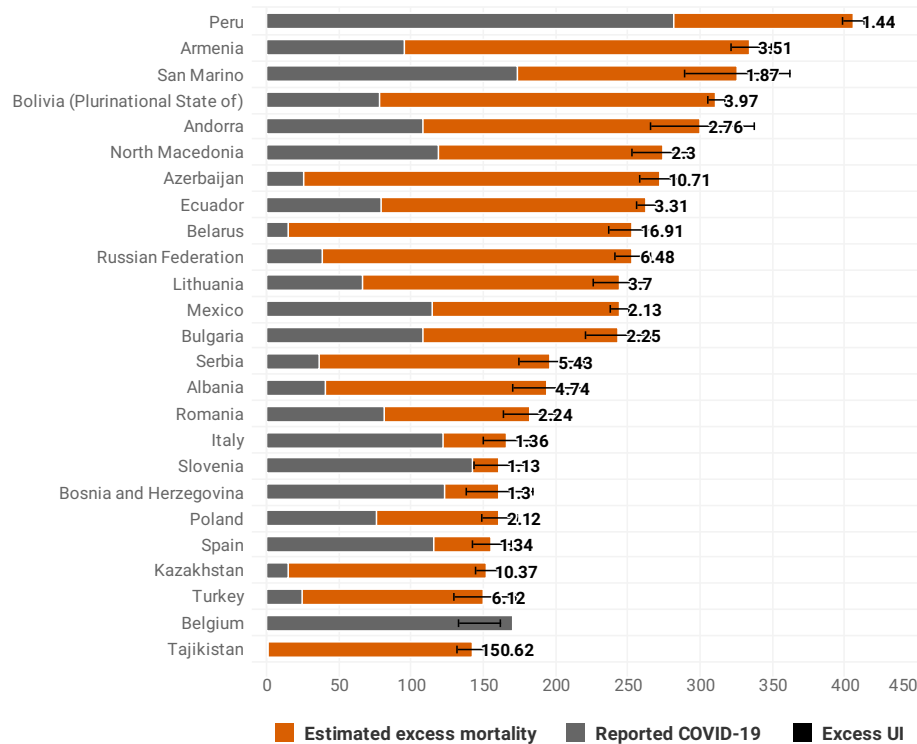


Source: <https://covid19.who.int/> and WHO estimates of excess mortality associated with COVID-19

Figure 3: Top 25 cumulative estimates of excess mortality, January 2020 to December 2020 and January 2021 to December 2021. The numbers on the right are the ratio of the excess deaths to the reported COVID-19 deaths.

Cumulative reported COVID-19 and estimated excess death rates, 2020

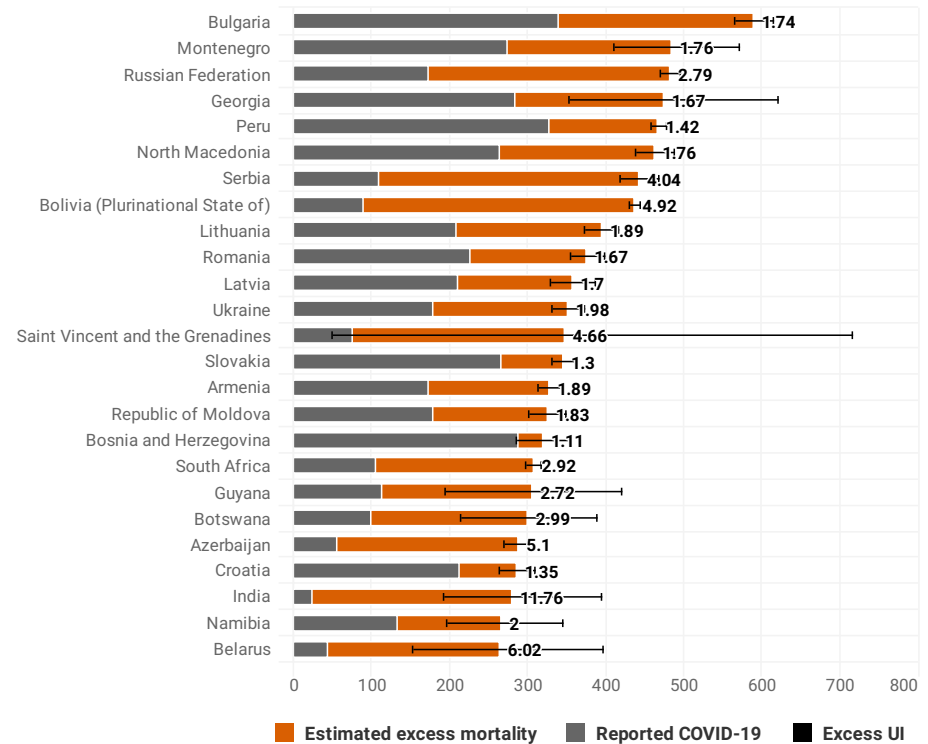
Ranking according to excess deaths per 100,000, countries 1 to 25. Ratio of excess mortality to reported COVID-19 is annotated.



Source: <https://covid19.who.int/> and WHO estimates of excess mortality associated with COVID-19

Cumulative reported COVID-19 and estimated excess death rates, 2021

Ranking according to excess deaths per 100,000, countries 1 to 25. Ratio of excess mortality to reported COVID-19 is annotated.



Source: <https://covid19.who.int/> and WHO estimates of excess mortality associated with COVID-19

Figure 4: Top 25 cumulative estimates of excess mortality per 100,000 population, January 2020 to December 2020 and January 2021 to December 2021. The numbers on the right are the ratio of the excess deaths to the reported COVID-19 deaths.

B Tables of annual estimates of excess mortality associated with the COVID-19 pandemic (2020, 2021 and both years combined)

Table 1: For year 2020. Showing location name, ISO3C code, period, data type, total reported COVID-19 deaths, total estimated excess deaths (mean and uncertainty interval), ratio of total excess deaths to reported COVID-19 (mean and uncertainty interval)

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Afghanistan	AFG	Year 2020	No observed data	2189.00	19392.00	-1297.00	40224.00	8.86	-0.59	18.38
Angola	AGO	Year 2020	No observed data	405.00	5339.00	-11074.00	23141.00	13.18	-27.34	57.14
Albania	ALB	Year 2020	Full national	1174.00	5568.00	4877.00	6295.00	4.74	4.15	5.36
Andorra	AND	Year 2020	Partial national	84.00	232.00	205.00	261.00	2.76	2.44	3.10
United Arab Emirates	ARE	Year 2020	No observed data	665.00	929.00	-729.00	2736.00	1.40	-1.10	4.11
Argentina	ARG	Year 2020	Sub-national/Annual	43018.00	31692.00	23826.00	38985.00	0.74	0.55	0.91
Armenia	ARM	Year 2020	Full national	2823.00	9918.00	9515.00	10340.00	3.51	3.37	3.66
Antigua and Barbuda	ATG	Year 2020	Partial national	5.00	-57.00	-81.00	-33.00	-11.39	-16.29	-6.64
Australia	AUS	Year 2020	Full national	909.00	-7655.00	-9814.00	-5701.00	-8.42	-10.80	-6.27
Austria	AUT	Year 2020	Full national	6307.00	6535.00	5347.00	7680.00	1.04	0.85	1.22
Azerbaijan	AZE	Year 2020	Full national	2575.00	27578.00	26076.00	29113.00	10.71	10.13	11.31
Burundi	BDI	Year 2020	No observed data	2.00	4096.00	-2477.00	11037.00	2047.94	-1238.75	5518.59
Belgium	BEL	Year 2020	Full national	19758.00	16968.00	15300.00	18633.00	0.86	0.77	0.94
Benin	BEN	Year 2020	No observed data	44.00	3933.00	-3354.00	11319.00	89.39	-76.23	257.25
Burkina Faso	BFA	Year 2020	No observed data	82.00	7173.00	-4654.00	18648.00	87.47	-56.76	227.42
Bangladesh	BGD	Year 2020	No observed data	7559.00	46041.00	-15763.00	111410.00	6.09	-2.09	14.74
Bulgaria	BGR	Year 2020	Full national	7515.00	16879.00	15272.00	18407.00	2.25	2.03	2.45
Bahrain	BHR	Year 2020	No observed data	352.00	246.00	-146.00	676.00	0.70	-0.42	1.92
Bahamas	BHS	Year 2020	No observed data	170.00	335.00	62.00	616.00	1.97	0.36	3.63
Bosnia and Herzegovina	BIH	Year 2020	Full national	4050.00	5268.00	4512.00	6030.00	1.30	1.11	1.49
Belarus	BLR	Year 2020	Partial national	1414.00	23915.00	22372.00	25504.00	16.91	15.82	18.04
Belize	BLZ	Year 2020	Partial national	241.00	122.00	88.00	156.00	0.51	0.37	0.65
Bolivia (Plurinational State of)	BOL	Year 2020	Full national	9135.00	36298.00	35630.00	36992.00	3.97	3.90	4.05
Brazil	BRA	Year 2020	Full national	192681.00	210811.00	202118.00	218739.00	1.09	1.05	1.14
Barbados	BRB	Year 2020	Partial national	7.00	-260.00	-352.00	-167.00	-37.13	-50.29	-23.87
Brunei Darussalam	BRN	Year 2020	Partial national	3.00	-123.00	-174.00	-72.00	-40.96	-58.07	-24.12
Bhutan	BTN	Year 2020	No observed data	0.00	-212.00	-596.00	151.00	-Inf	-Inf	Inf
Botswana	BWA	Year 2020	No observed data	40.00	229.00	-1436.00	1859.00	5.72	-35.90	46.46
Central African Republic	CAF	Year 2020	No observed data	63.00	2363.00	-2047.00	6801.00	37.51	-32.48	107.95
Canada	CAN	Year 2020	Partial national	15274.00	16809.00	13859.00	19962.00	1.10	0.91	1.31
Switzerland	CHE	Year 2020	Full national	7517.00	7540.00	6686.00	8441.00	1.00	0.89	1.12
Chile	CHL	Year 2020	Full national	16499.00	14575.00	13608.00	15515.00	0.88	0.82	0.94

... Table 1 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
China	CHN	Year 2020	Sub-national/Annual	4788.00	-75525.00	-85734.00	-66110.00	-15.77	-17.91	-13.81
Côte d'Ivoire	CIV	Year 2020	No observed data	137.00	7902.00	-6886.00	23418.00	57.68	-50.26	170.93
Cameroon	CMR	Year 2020	No observed data	448.00	12115.00	-3374.00	27534.00	27.04	-7.53	61.46
Democratic Republic of the Congo	COD	Year 2020	No observed data	584.00	37211.00	-15942.00	93901.00	63.72	-27.30	160.79
Congo	COG	Year 2020	No observed data	100.00	1343.00	-1214.00	4061.00	13.43	-12.14	40.61
Cook Islands	COK	Year 2020	No observed data	0.00	-19.00	-45.00	11.00	-Inf	-Inf	Inf
Colombia	COL	Year 2020	Full national	42620.00	54060.00	52591.00	55387.00	1.27	1.23	1.30
Comoros	COM	Year 2020	No observed data	9.00	156.00	-242.00	562.00	17.39	-26.89	62.45
Cabo Verde	CPV	Year 2020	No observed data	112.00	328.00	58.00	623.00	2.93	0.51	5.57
Costa Rica	CRI	Year 2020	Partial national	2156.00	1357.00	967.00	1754.00	0.63	0.45	0.81
Cuba	CUB	Year 2020	Partial national	145.00	-234.00	-1685.00	1135.00	-1.61	-11.62	7.83
Cyprus	CYP	Year 2020	Full national	122.00	193.00	51.00	336.00	1.58	0.42	2.76
Czechia	CZE	Year 2020	Full national	11887.00	13448.00	11910.00	14960.00	1.13	1.00	1.26
Germany	DEU	Year 2020	Full national	33071.00	66794.00	47549.00	85009.00	2.02	1.44	2.57
Djibouti	DJI	Year 2020	No observed data	61.00	703.00	118.00	1361.00	11.53	1.94	22.30
Dominica	DMA	Year 2020	No observed data	0.00	-55.00	-130.00	22.00	-Inf	-Inf	Inf
Denmark	DNK	Year 2020	Full national	1319.00	449.00	-175.00	1059.00	0.34	-0.13	0.80
Dominican Republic	DOM	Year 2020	Partial national	2409.00	1075.00	-2024.00	4626.00	0.45	-0.84	1.92
Algeria	DZA	Year 2020	Partial national	2751.00	55861.00	53091.00	58723.00	20.31	19.30	21.35
Ecuador	ECU	Year 2020	Full national	14023.00	46402.00	45173.00	47541.00	3.31	3.22	3.39
Egypt	EGY	Year 2020	Partial national	7576.00	90949.00	78345.00	102751.00	12.00	10.34	13.56
Eritrea	ERI	Year 2020	No observed data	1.00	295.00	-1775.00	2317.00	295.03	-1774.83	2316.53
Spain	ESP	Year 2020	Full national	54055.00	72576.00	66238.00	78990.00	1.34	1.23	1.46
Estonia	EST	Year 2020	Full national	229.00	300.00	73.00	520.00	1.31	0.32	2.27
Ethiopia	ETH	Year 2020	No observed data	1918.00	27373.00	-23353.00	77334.00	14.27	-12.18	40.32
Finland	FIN	Year 2020	Full national	592.00	747.00	190.00	1345.00	1.26	0.32	2.27
Fiji	FJI	Year 2020	No observed data	2.00	-781.00	-1306.00	-227.00	-390.31	-653.04	-113.61
France	FRA	Year 2020	Full national	64004.00	49179.00	41818.00	56173.00	0.77	0.65	0.88
Micronesia (Federated States of)	FSM	Year 2020	No observed data	0.00	-63.00	-159.00	44.00	-Inf	-Inf	Inf
Gabon	GAB	Year 2020	No observed data	64.00	278.00	-851.00	1469.00	4.34	-13.29	22.95
The United Kingdom	GBR	Year 2020	Full national	75112.00	85504.00	76127.00	94916.00	1.14	1.01	1.26
Georgia	GEO	Year 2020	Partial national	2505.00	5571.00	4765.00	6358.00	2.22	1.90	2.54
Ghana	GHA	Year 2020	No observed data	335.00	6461.00	-8606.00	21248.00	19.29	-25.69	63.43
Guinea	GIN	Year 2020	No observed data	80.00	3931.00	-4604.00	12868.00	49.14	-57.55	160.85
Gambia	GMB	Year 2020	No observed data	124.00	1001.00	-151.00	2272.00	8.07	-1.21	18.32
Guinea-Bissau	GNB	Year 2020	No observed data	45.00	1098.00	-191.00	2522.00	24.40	-4.25	56.03
Equatorial Guinea	GNQ	Year 2020	No observed data	86.00	695.00	-155.00	1631.00	8.09	-1.80	18.96
Greece	GRC	Year 2020	Full national	4788.00	4043.00	2183.00	5862.00	0.84	0.46	1.22
Grenada	GRD	Year 2020	Sub-national/Annual	1.00	-253.00	-276.00	-233.00	-253.35	-276.33	-232.79

... Table 1 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Guatemala	GTM	Year 2020	Full national	4803.00	8749.00	7988.00	9560.00	1.82	1.66	1.99
Guyana	GUY	Year 2020	No observed data	164.00	396.00	-257.00	1080.00	2.41	-1.57	6.59
Honduras	HND	Year 2020	No observed data	3111.00	7285.00	2355.00	12168.00	2.34	0.76	3.91
Croatia	HRV	Year 2020	Full national	3860.00	5503.00	4615.00	6320.00	1.43	1.20	1.64
Haiti	HTI	Year 2020	No observed data	236.00	2865.00	-14992.00	20057.00	12.14	-63.53	84.99
Hungary	HUN	Year 2020	Full national	9537.00	11071.00	9157.00	13133.00	1.16	0.96	1.38
Indonesia	IDN	Year 2020	Sub-national/Annual	22138.00	357988.00	201047.00	518749.00	16.17	9.08	23.43
India	IND	Year 2020	Sub-national/Annual	148738.00	832531.00	384866.00	1315712.00	5.60	2.59	8.85
Ireland	IRL	Year 2020	Full national	2276.00	422.00	-26.00	847.00	0.19	-0.01	0.37
Iran (Islamic Republic of)	IRN	Year 2020	Full national	55095.00	108919.00	103977.00	113418.00	1.98	1.89	2.06
Iraq	IRQ	Year 2020	Partial national	12808.00	40400.00	37410.00	43198.00	3.15	2.92	3.37
Iceland	ISL	Year 2020	Full national	29.00	-3.00	-38.00	32.00	-0.09	-1.31	1.11
Israel	ISR	Year 2020	Full national	3337.00	2432.00	1824.00	2992.00	0.73	0.55	0.90
Italy	ITA	Year 2020	Full national	73604.00	100431.00	90655.00	110827.00	1.36	1.23	1.51
Jamaica	JAM	Year 2020	Partial national	302.00	-902.00	-1353.00	-341.00	-2.99	-4.48	-1.13
Jordan	JOR	Year 2020	Partial national	3815.00	3640.00	3057.00	4187.00	0.95	0.80	1.10
Japan	JPN	Year 2020	Full national	3414.00	-30139.00	-40682.00	-19991.00	-8.83	-11.92	-5.86
Kazakhstan	KAZ	Year 2020	Full national	2749.00	28494.00	26982.00	30003.00	10.37	9.82	10.91
Kenya	KEN	Year 2020	Full national	1667.00	-12514.00	-13048.00	-11966.00	-7.51	-7.83	-7.18
Kyrgyzstan	KGZ	Year 2020	Full national	1355.00	6647.00	6171.00	7137.00	4.91	4.55	5.27
Cambodia	KHM	Year 2020	No observed data	0.00	638.00	-7008.00	8347.00	Inf	-Inf	Inf
Kiribati	KIR	Year 2020	No observed data	0.00	-31.00	-156.00	101.00	-Inf	-Inf	Inf
Saint Kitts and Nevis	KNA	Year 2020	Sub-national/Annual	0.00	-131.00	-152.00	-110.00	-Inf	-Inf	-Inf
Republic of Korea	KOR	Year 2020	Full national	900.00	248.00	-3049.00	3393.00	0.28	-3.39	3.77
Kuwait	KWT	Year 2020	Partial national	933.00	3177.00	3048.00	3299.00	3.41	3.27	3.54
Lao People's Democratic Republic	LAO	Year 2020	No observed data	0.00	-274.00	-3314.00	3119.00	-Inf	-Inf	Inf
Lebanon	LBN	Year 2020	Full national	1443.00	3413.00	2602.00	4228.00	2.37	1.80	2.93
Liberia	LBR	Year 2020	No observed data	83.00	1354.00	-1821.00	4492.00	16.31	-21.93	54.12
Libya	LBY	Year 2020	No observed data	1459.00	1863.00	-385.00	4346.00	1.28	-0.26	2.98
Saint Lucia	LCA	Year 2020	No observed data	5.00	-110.00	-254.00	28.00	-22.00	-50.90	5.53
Sri Lanka	LKA	Year 2020	Sub-national/Annual	204.00	-17358.00	-20470.00	-14028.00	-85.09	-100.34	-68.76
Lesotho	LSO	Year 2020	No observed data	50.00	201.00	-2347.00	2932.00	4.03	-46.93	58.64
Lithuania	LTU	Year 2020	Full national	1800.00	6651.00	6140.00	7197.00	3.70	3.41	4.00
Luxembourg	LUX	Year 2020	Full national	489.00	152.00	74.00	227.00	0.31	0.15	0.46
Latvia	LVA	Year 2020	Full national	626.00	986.00	551.00	1395.00	1.58	0.88	2.23
Morocco	MAR	Year 2020	No observed data	7355.00	15114.00	-5979.00	36558.00	2.05	-0.81	4.97
Monaco	MCO	Year 2020	Full national	3.00	10.00	-15.00	34.00	3.41	-4.90	11.44
Republic of Moldova	MDA	Year 2020	Full national	3110.00	5068.00	4295.00	5888.00	1.63	1.38	1.89
Madagascar	MDG	Year 2020	No observed data	261.00	7974.00	-5885.00	23643.00	30.55	-22.55	90.58

... Table 1 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Maldives	MDV	Year 2020	Partial national	48.00	3.00	-30.00	34.00	0.06	-0.63	0.71
Mexico	MEX	Year 2020	Full national	147623.00	314540.00	305940.00	323110.00	2.13	2.07	2.19
Marshall Islands	MHL	Year 2020	No observed data	0.00	-43.00	-88.00	7.00	-Inf	-Inf	Inf
North Macedonia	MKD	Year 2020	Full national	2488.00	5713.00	5248.00	6145.00	2.30	2.11	2.47
Mali	MLI	Year 2020	No observed data	269.00	12468.00	-482.00	26218.00	46.35	-1.79	97.47
Malta	MLT	Year 2020	Full national	223.00	263.00	184.00	349.00	1.18	0.83	1.57
Myanmar	MMR	Year 2020	No observed data	2682.00	750.00	-26849.00	30587.00	0.28	-10.01	11.40
Montenegro	MNE	Year 2020	Partial national	677.00	870.00	706.00	1038.00	1.29	1.04	1.53
Mongolia	MNG	Year 2020	Full national	1.00	-2383.00	-2640.00	-2145.00	-2383.39	-2640.13	-2145.31
Mozambique	MOZ	Year 2020	No observed data	163.00	5717.00	-13901.00	28061.00	35.07	-85.28	172.15
Mauritania	MRT	Year 2020	No observed data	324.00	2992.00	766.00	5456.00	9.24	2.36	16.84
Mauritius	MUS	Year 2020	Full national	10.00	-472.00	-627.00	-316.00	-47.18	-62.66	-31.64
Malawi	MWI	Year 2020	No observed data	189.00	3090.00	-4848.00	11593.00	16.35	-25.65	61.34
Malaysia	MYS	Year 2020	Partial national	463.00	-15091.00	-16535.00	-13654.00	-32.59	-35.71	-29.49
Namibia	NAM	Year 2020	No observed data	196.00	896.00	-463.00	2355.00	4.57	-2.36	12.01
Niger	NER	Year 2020	No observed data	96.00	15938.00	272.00	31332.00	166.02	2.84	326.38
Nigeria	NGA	Year 2020	No observed data	1278.00	60584.00	-76898.00	192137.00	47.41	-60.17	150.34
Nicaragua	NIC	Year 2020	Partial national	165.00	9166.00	7488.00	11165.00	55.55	45.38	67.66
Niue	NIU	Year 2020	No observed data	0.00	-3.00	-10.00	6.00	-Inf	-Inf	Inf
Netherlands	NLD	Year 2020	Full national	11298.00	14481.00	12589.00	16225.00	1.28	1.11	1.44
Norway	NOR	Year 2020	Full national	433.00	-595.00	-1002.00	-231.00	-1.37	-2.31	-0.53
Nepal	NPL	Year 2020	No observed data	2758.00	7972.00	-4481.00	21756.00	2.89	-1.62	7.89
Nauru	NRU	Year 2020	No observed data	0.00	-1.00	-16.00	17.00	-Inf	-Inf	Inf
New Zealand	NZL	Year 2020	Full national	25.00	-2065.00	-2411.00	-1733.00	-82.59	-96.43	-69.34
Oman	OMN	Year 2020	Full national	1497.00	4115.00	3800.00	4426.00	2.75	2.54	2.96
Pakistan	PAK	Year 2020	No observed data	10047.00	93544.00	-36047.00	231765.00	9.31	-3.59	23.07
Panama	PAN	Year 2020	Partial national	3933.00	2997.00	2775.00	3210.00	0.76	0.71	0.82
Peru	PER	Year 2020	Full national	93066.00	133816.00	131321.00	136189.00	1.44	1.41	1.46
Philippines	PHL	Year 2020	Partial national	9230.00	-40147.00	-45475.00	-35073.00	-4.35	-4.93	-3.80
Palau	PLW	Year 2020	No observed data	0.00	-20.00	-50.00	12.00	-Inf	-Inf	Inf
Papua New Guinea	PNG	Year 2020	No observed data	9.00	-1810.00	-6276.00	2769.00	-201.12	-697.31	307.69
Poland	POL	Year 2020	Full national	28641.00	60687.00	56012.00	65634.00	2.12	1.96	2.29
Democratic People's Republic of Korea	PRK	Year 2020	No observed data	0.00	-5611.00	-23663.00	13876.00	-Inf	-Inf	Inf
Portugal	PRT	Year 2020	Full national	6830.00	9908.00	7680.00	12078.00	1.45	1.12	1.77
Paraguay	PRY	Year 2020	Full national	2220.00	2410.00	1845.00	2997.00	1.09	0.83	1.35
Qatar	QAT	Year 2020	Full national	245.00	717.00	655.00	780.00	2.93	2.68	3.18
Romania	ROU	Year 2020	Full national	15596.00	34996.00	31447.00	38424.00	2.24	2.02	2.46
Russian Federation	RUS	Year 2020	Full national	57019.00	369306.00	351737.00	386424.00	6.48	6.17	6.78
Rwanda	RWA	Year 2020	No observed data	86.00	-370.00	-5205.00	4627.00	-4.30	-60.53	53.80

... Table 1 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Saudi Arabia	SAU	Year 2020	No observed data	6214.00	12626.00	-190.00	25080.00	2.03	-0.03	4.04
Sudan	SDN	Year 2020	No observed data	1561.00	14225.00	-5833.00	34610.00	9.11	-3.74	22.17
Senegal	SEN	Year 2020	No observed data	402.00	4845.00	-1499.00	11886.00	12.05	-3.73	29.57
Singapore	SGP	Year 2020	Full national	29.00	-30.00	-312.00	254.00	-1.05	-10.76	8.75
Solomon Islands	SLB	Year 2020	No observed data	0.00	-70.00	-469.00	319.00	-Inf	-Inf	Inf
Sierra Leone	SLE	Year 2020	No observed data	76.00	3566.00	-1668.00	9353.00	46.92	-21.94	123.07
El Salvador	SLV	Year 2020	Partial national	1327.00	7507.00	4793.00	10649.00	5.66	3.61	8.02
San Marino	SMR	Year 2020	Full national	59.00	110.00	98.00	123.00	1.87	1.66	2.08
Somalia	SOM	Year 2020	No observed data	130.00	12918.00	-608.00	28515.00	99.37	-4.68	219.34
Serbia	SRB	Year 2020	Full national	3163.00	17172.00	15216.00	19100.00	5.43	4.81	6.04
South Sudan	SSD	Year 2020	No observed data	63.00	2798.00	-4321.00	9817.00	44.42	-68.59	155.83
Sao Tome and Principe	STP	Year 2020	No observed data	17.00	71.00	-31.00	172.00	4.16	-1.85	10.10
Suriname	SUR	Year 2020	Full national	120.00	-287.00	-341.00	-231.00	-2.39	-2.84	-1.93
Slovakia	SVK	Year 2020	Full national	2138.00	5462.00	4720.00	6203.00	2.55	2.21	2.90
Slovenia	SVN	Year 2020	Full national	2955.00	3346.00	2975.00	3705.00	1.13	1.01	1.25
Sweden	SWE	Year 2020	Full national	9650.00	8502.00	7589.00	9317.00	0.88	0.79	0.97
Eswatini	SWZ	Year 2020	No observed data	185.00	917.00	-78.00	1893.00	4.96	-0.42	10.23
Seychelles	SYC	Year 2020	Partial national	0.00	-173.00	-193.00	-153.00	-Inf	-Inf	-Inf
Syrian Arab Republic	SYR	Year 2020	No observed data	704.00	1635.00	-7106.00	10813.00	2.32	-10.09	15.36
Chad	TCD	Year 2020	No observed data	104.00	6989.00	-4950.00	18967.00	67.20	-47.59	182.37
Togo	TGO	Year 2020	Full national	68.00	-5218.00	-5435.00	-4976.00	-76.73	-79.93	-73.17
Thailand	THA	Year 2020	Full national	61.00	-15606.00	-23521.00	-7761.00	-255.84	-385.60	-127.22
Tajikistan	TJK	Year 2020	Partial national	90.00	13555.00	12490.00	14598.00	150.62	138.77	162.20
Turkmenistan	TKM	Year 2020	No observed data	0.00	785.00	-2129.00	3816.00	Inf	-Inf	Inf
Timor-Leste	TLS	Year 2020	No observed data	0.00	43.00	-546.00	704.00	Inf	-Inf	Inf
Tonga	TON	Year 2020	No observed data	0.00	-23.00	-89.00	45.00	-Inf	-Inf	Inf
Trinidad and Tobago	TTO	Year 2020	No observed data	126.00	92.00	-739.00	913.00	0.73	-5.87	7.25
Tunisia	TUN	Year 2020	Partial national	4620.00	3143.00	1942.00	4352.00	0.68	0.42	0.94
Turkey	TUR	Year 2020	Sub-national/Annual	20642.00	126391.00	108578.00	145361.00	6.12	5.26	7.04
Tuvalu	TUV	Year 2020	No observed data	0.00	-6.00	-25.00	15.00	-Inf	-Inf	Inf
United Republic of Tanzania	TZA	Year 2020	No observed data	21.00	14728.00	-10680.00	39814.00	701.32	-508.56	1895.89
Uganda	UGA	Year 2020	No observed data	303.00	2829.00	-13677.00	20183.00	9.34	-45.14	66.61
Ukraine	UKR	Year 2020	Full national	18533.00	45367.00	36996.00	53464.00	2.45	2.00	2.88
Uruguay	URY	Year 2020	Full national	168.00	-2246.00	-2695.00	-1784.00	-13.37	-16.04	-10.62
United States of America	USA	Year 2020	Full national	351839.00	465706.00	436049.00	493570.00	1.32	1.24	1.40
Uzbekistan	UZB	Year 2020	Full national	614.00	22813.00	17784.00	27727.00	37.15	28.96	45.16
Saint Vincent and the Grenadines	VCT	Year 2020	Sub-national/Annual	0.00	106.00	88.00	123.00	Inf	Inf	Inf
Venezuela (Bolivarian Republic of)	VEN	Year 2020	No observed data	1021.00	3642.00	-11403.00	19077.00	3.57	-11.17	18.68
Viet Nam	VNM	Year 2020	Sub-national/Annual	35.00	-58679.00	-59602.00	-57772.00	-1676.55	-1702.91	-1650.64

... Table 1 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Vanuatu	VUT	Year 2020	No observed data	0.00	-72.00	-265.00	125.00	-Inf	-Inf	Inf
Samoa	WSM	Year 2020	No observed data	0.00	-56.00	-169.00	60.00	-Inf	-Inf	Inf
Yemen	YEM	Year 2020	No observed data	611.00	14408.00	34.00	30836.00	23.58	0.06	50.47
South Africa	ZAF	Year 2020	Full national	28033.00	54402.00	49157.00	59475.00	1.94	1.75	2.12
Zambia	ZMB	Year 2020	No observed data	386.00	5294.00	-4225.00	15074.00	13.71	-10.95	39.05
Zimbabwe	ZWE	Year 2020	No observed data	361.00	1476.00	-6905.00	10642.00	4.09	-19.13	29.48
Global	NA	Year 2020	NA	1898835.00	4482440.00	3934749.00	5067754.00	2.36	2.07	2.67
AFRO	NA	Year 2020	NA	42121.00	369562.00	164952.00	563481.00	8.77	3.92	13.38
AMRO	NA	Year 2020	NA	948613.00	1368281.00	1328149.00	1410420.00	1.44	1.40	1.49
EMRO	NA	Year 2020	NA	119380.00	446076.00	297920.00	595261.00	3.74	2.50	4.99
EURO	NA	Year 2020	NA	584725.00	1326203.00	1289282.00	1363188.00	2.27	2.20	2.33
SEARO	NA	Year 2020	NA	184188.00	1206541.00	728442.00	1705799.00	6.55	3.95	9.26
WPRO	NA	Year 2020	NA	19808.00	-234223.00	-253569.00	-215395.00	-11.82	-12.80	-10.87
LIC	NA	Year 2020	NA	9855.00	198642.00	78724.00	315459.00	20.16	7.99	32.01
LMIC	NA	Year 2020	NA	321947.00	1760834.00	1248709.00	2311754.00	5.47	3.88	7.18
UMIC	NA	Year 2020	NA	730105.00	1488316.00	1455978.00	1521992.00	2.04	1.99	2.08
HIC	NA	Year 2020	NA	836928.00	1034647.00	991441.00	1078221.00	1.24	1.18	1.29

Table 2: For year 2021. Showing location name, ISO3C code, period, data type, total reported COVID-19 deaths, total estimated excess deaths (mean and uncertainty interval), ratio of total excess deaths to reported COVID-19 (mean and uncertainty interval)

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Afghanistan	AFG	Year 2021	No observed data	5167.00	25140.00	3443.00	47994.00	4.87	0.67	9.29
Angola	AGO	Year 2021	No observed data	1352.00	17346.00	-536.00	37258.00	12.83	-0.40	27.56
Albania	ALB	Year 2021	Full national	2041.00	7121.00	6224.00	7937.00	3.49	3.05	3.89
Andorra	AND	Year 2021	Partial national	56.00	143.00	-17.00	321.00	2.55	-0.30	5.74
United Arab Emirates	ARE	Year 2021	No observed data	1497.00	1401.00	-568.00	3457.00	0.94	-0.38	2.31
Argentina	ARG	Year 2021	Sub-national/Annual	74093.00	58190.00	31804.00	85450.00	0.79	0.43	1.15
Armenia	ARM	Year 2021	Full national	5149.00	9745.00	9252.00	10209.00	1.89	1.80	1.98
Antigua and Barbuda	ATG	Year 2021	Partial national	113.00	27.00	-126.00	189.00	0.24	-1.11	1.67
Australia	AUS	Year 2021	Full national	1317.00	-6599.00	-9834.00	-3594.00	-5.01	-7.47	-2.73
Austria	AUT	Year 2021	Full national	7063.00	5404.00	3931.00	6826.00	0.77	0.56	0.97
Azerbaijan	AZE	Year 2021	Full national	5771.00	29431.00	27413.00	31378.00	5.10	4.75	5.44
Burundi	BDI	Year 2021	No observed data	12.00	5242.00	-1609.00	12744.00	436.80	-134.05	1061.96
Belgium	BEL	Year 2021	Full national	8629.00	950.00	-926.00	2841.00	0.11	-0.11	0.33
Benin	BEN	Year 2021	No observed data	117.00	7920.00	199.00	16867.00	67.69	1.70	144.16
Burkina Faso	BFA	Year 2021	No observed data	236.00	14987.00	2328.00	28392.00	63.50	9.86	120.30
Bangladesh	BGD	Year 2021	No observed data	20513.00	94723.00	27299.00	170506.00	4.62	1.33	8.31
Bulgaria	BGR	Year 2021	Full national	23375.00	40615.00	38934.00	42357.00	1.74	1.67	1.81
Bahrain	BHR	Year 2021	No observed data	1042.00	420.00	-73.00	924.00	0.40	-0.07	0.89
Bahamas	BHS	Year 2021	No observed data	546.00	667.00	367.00	1003.00	1.22	0.67	1.84
Bosnia and Herzegovina	BIH	Year 2021	Full national	9378.00	10448.00	9297.00	11533.00	1.11	0.99	1.23
Belarus	BLR	Year 2021	Partial national	4147.00	24978.00	14372.00	37384.00	6.02	3.47	9.01
Belize	BLZ	Year 2021	Partial national	356.00	575.00	209.00	981.00	1.62	0.59	2.76
Bolivia (Plurinational State of)	BOL	Year 2021	Full national	10515.00	51732.00	50971.00	52546.00	4.92	4.85	5.00
Brazil	BRA	Year 2021	Full national	426136.00	470456.00	460272.00	481068.00	1.10	1.08	1.13
Barbados	BRB	Year 2021	Partial national	253.00	-96.00	-345.00	216.00	-0.38	-1.36	0.85
Brunei Darussalam	BRN	Year 2021	Partial national	54.00	13.00	-380.00	420.00	0.24	-7.03	7.78
Bhutan	BTN	Year 2021	No observed data	3.00	-185.00	-555.00	226.00	-61.71	-185.13	75.30
Botswana	BWA	Year 2021	No observed data	2399.00	7184.00	5111.00	9321.00	2.99	2.13	3.89
Central African Republic	CAF	Year 2021	No observed data	38.00	3883.00	-578.00	8865.00	102.19	-15.20	233.28
Canada	CAN	Year 2021	Partial national	14684.00	5210.00	-8088.00	19998.00	0.35	-0.55	1.36
Switzerland	CHE	Year 2021	Full national	4385.00	707.00	-310.00	1801.00	0.16	-0.07	0.41
Chile	CHL	Year 2021	Full national	22597.00	24120.00	22968.00	25190.00	1.07	1.02	1.11
China	CHN	Year 2021	Sub-national/Annual	911.00	23462.00	11165.00	36448.00	25.75	12.26	40.01
Côte d'Ivoire	CIV	Year 2021	No observed data	575.00	17532.00	1330.00	33607.00	30.49	2.31	58.45
Cameroon	CMR	Year 2021	No observed data	1403.00	23207.00	6760.00	39475.00	16.54	4.82	28.14
Democratic Republic of the Congo	COD	Year 2021	No observed data	621.00	80547.00	20073.00	144379.00	129.70	32.32	232.49
Congo	COG	Year 2021	No observed data	267.00	3186.00	208.00	6522.00	11.93	0.78	24.43

... Table 2 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Cook Islands	COK	Year 2021	No observed data	0.00	-17.00	-45.00	13.00	-Inf	-Inf	Inf
Colombia	COL	Year 2021	Full national	87246.00	110684.00	109196.00	112256.00	1.27	1.25	1.29
Comoros	COM	Year 2021	No observed data	149.00	567.00	132.00	1050.00	3.81	0.89	7.05
Cabo Verde	CPV	Year 2021	No observed data	240.00	599.00	284.00	915.00	2.50	1.18	3.81
Costa Rica	CRI	Year 2021	Partial national	5198.00	8290.00	4949.00	11939.00	1.59	0.95	2.30
Cuba	CUB	Year 2021	Partial national	8177.00	18394.00	6007.00	31904.00	2.25	0.73	3.90
Cyprus	CYP	Year 2021	Full national	524.00	816.00	617.00	1003.00	1.56	1.18	1.91
Czechia	CZE	Year 2021	Full national	24398.00	23591.00	21738.00	25592.00	0.97	0.89	1.05
Germany	DEU	Year 2021	Full national	78854.00	128194.00	101074.00	155361.00	1.63	1.28	1.97
Djibouti	DJI	Year 2021	No observed data	128.00	1064.00	441.00	1758.00	8.31	3.45	13.73
Dominica	DMA	Year 2021	No observed data	45.00	70.00	-19.00	157.00	1.55	-0.42	3.50
Denmark	DNK	Year 2021	Full national	1938.00	3267.00	2374.00	4170.00	1.69	1.23	2.15
Dominican Republic	DOM	Year 2021	Partial national	1837.00	10798.00	3696.00	18625.00	5.88	2.01	10.14
Algeria	DZA	Year 2021	Partial national	3520.00	13726.00	-5840.00	34372.00	3.90	-1.66	9.76
Ecuador	ECU	Year 2021	Full national	19646.00	34466.00	32783.00	36272.00	1.75	1.67	1.85
Egypt	EGY	Year 2021	Partial national	14151.00	160153.00	135305.00	187606.00	11.32	9.56	13.26
Eritrea	ERI	Year 2021	No observed data	74.00	2118.00	-187.00	4380.00	28.62	-2.52	59.19
Spain	ESP	Year 2021	Full national	36950.00	31361.00	24286.00	39166.00	0.85	0.66	1.06
Estonia	EST	Year 2021	Full national	1703.00	3075.00	2787.00	3369.00	1.81	1.64	1.98
Ethiopia	ETH	Year 2021	No observed data	5008.00	76123.00	22947.00	126436.00	15.20	4.58	25.25
Finland	FIN	Year 2021	Full national	1135.00	2110.00	1441.00	2722.00	1.86	1.27	2.40
Fiji	FJI	Year 2021	No observed data	696.00	664.00	-30.00	1392.00	0.95	-0.04	2.00
France	FRA	Year 2021	Full national	56958.00	32671.00	24099.00	41500.00	0.57	0.42	0.73
Micronesia (Federated States of)	FSM	Year 2021	No observed data	0.00	-48.00	-151.00	58.00	-Inf	-Inf	Inf
Gabon	GAB	Year 2021	No observed data	224.00	1324.00	149.00	2539.00	5.91	0.66	11.34
The United Kingdom	GBR	Year 2021	Full national	74492.00	63392.00	53119.00	74605.00	0.85	0.71	1.00
Georgia	GEO	Year 2021	Partial national	11295.00	18894.00	14010.00	24700.00	1.67	1.24	2.19
Ghana	GHA	Year 2021	No observed data	952.00	14446.00	-686.00	29502.00	15.17	-0.72	30.99
Guinea	GIN	Year 2021	No observed data	311.00	8599.00	-276.00	17696.00	27.65	-0.89	56.90
Gambia	GMB	Year 2021	No observed data	219.00	1904.00	655.00	3261.00	8.69	2.99	14.89
Guinea-Bissau	GNB	Year 2021	No observed data	104.00	1743.00	400.00	3081.00	16.76	3.85	29.62
Equatorial Guinea	GNQ	Year 2021	No observed data	89.00	1024.00	147.00	1927.00	11.51	1.66	21.66
Greece	GRC	Year 2021	Full national	15920.00	15351.00	13324.00	17519.00	0.96	0.84	1.10
Grenada	GRD	Year 2021	Sub-national/Annual	199.00	-14.00	-271.00	293.00	-0.07	-1.36	1.47
Guatemala	GTM	Year 2021	Full national	11299.00	40647.00	39641.00	41596.00	3.60	3.51	3.68
Guyana	GUY	Year 2021	No observed data	887.00	2416.00	1529.00	3321.00	2.72	1.72	3.74
Honduras	HND	Year 2021	No observed data	7323.00	15377.00	9271.00	21527.00	2.10	1.27	2.94
Croatia	HRV	Year 2021	Full national	8633.00	11673.00	10719.00	12618.00	1.35	1.24	1.46
Haiti	HTI	Year 2021	No observed data	530.00	6744.00	-13735.00	27689.00	12.72	-25.92	52.24

... Table 2 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Hungary	HUN	Year 2021	Full national	29649.00	25425.00	23151.00	27522.00	0.86	0.78	0.93
Indonesia	IDN	Year 2021	Sub-national/Annual	121956.00	670577.00	506118.00	838433.00	5.50	4.15	6.87
India	IND	Year 2021	Sub-national/Annual	332342.00	3908362.00	2672404.00	5501912.00	11.76	8.04	16.55
Ireland	IRL	Year 2021	Full national	3798.00	2500.00	2004.00	3011.00	0.66	0.53	0.79
Iran (Islamic Republic of)	IRN	Year 2021	Full national	76477.00	123235.00	116247.00	129566.00	1.61	1.52	1.69
Iraq	IRQ	Year 2021	Partial national	11346.00	26335.00	8607.00	47117.00	2.32	0.76	4.15
Iceland	ISL	Year 2021	Full national	8.00	-8.00	-50.00	36.00	-1.01	-6.24	4.54
Israel	ISR	Year 2021	Full national	4920.00	3745.00	2993.00	4496.00	0.76	0.61	0.91
Italy	ITA	Year 2021	Full national	63643.00	60370.00	48931.00	72362.00	0.95	0.77	1.14
Jamaica	JAM	Year 2021	Partial national	2168.00	4495.00	2129.00	7155.00	2.07	0.98	3.30
Jordan	JOR	Year 2021	Partial national	8805.00	8289.00	4514.00	12288.00	0.94	0.51	1.40
Japan	JPN	Year 2021	Full national	14979.00	10668.00	-1652.00	22690.00	0.71	-0.11	1.51
Kazakhstan	KAZ	Year 2021	Full national	15478.00	47720.00	45759.00	49570.00	3.08	2.96	3.20
Kenya	KEN	Year 2021	Full national	3709.00	24865.00	23986.00	25754.00	6.70	6.47	6.94
Kyrgyzstan	KGZ	Year 2021	Full national	1447.00	5666.00	4940.00	6383.00	3.92	3.41	4.41
Cambodia	KHM	Year 2021	No observed data	3012.00	11880.00	3541.00	20753.00	3.94	1.18	6.89
Kiribati	KIR	Year 2021	No observed data	0.00	-14.00	-139.00	116.00	-Inf	-Inf	Inf
Saint Kitts and Nevis	KNA	Year 2021	Sub-national/Annual	28.00	-76.00	-246.00	158.00	-2.73	-8.79	5.64
Republic of Korea	KOR	Year 2021	Full national	4663.00	6040.00	2149.00	9782.00	1.30	0.46	2.10
Kuwait	KWT	Year 2021	Partial national	1535.00	1062.00	-66.00	2241.00	0.69	-0.04	1.46
Lao People's Democratic Republic	LAO	Year 2021	No observed data	360.00	2031.00	-1197.00	5707.00	5.64	-3.33	15.85
Lebanon	LBN	Year 2021	Full national	7659.00	15107.00	14044.00	16067.00	1.97	1.83	2.10
Liberia	LBR	Year 2021	No observed data	204.00	2689.00	-502.00	6374.00	13.18	-2.46	31.24
Libya	LBY	Year 2021	No observed data	4237.00	5998.00	3044.00	8868.00	1.42	0.72	2.09
Saint Lucia	LCA	Year 2021	No observed data	290.00	480.00	292.00	668.00	1.65	1.01	2.30
Sri Lanka	LKA	Year 2021	Sub-national/Annual	14775.00	8527.00	-5502.00	23659.00	0.58	-0.37	1.60
Lesotho	LSO	Year 2021	No observed data	615.00	3781.00	760.00	7026.00	6.15	1.24	11.42
Lithuania	LTU	Year 2021	Full national	5597.00	10603.00	10021.00	11189.00	1.89	1.79	2.00
Luxembourg	LUX	Year 2021	Full national	426.00	-82.00	-180.00	6.00	-0.19	-0.42	0.01
Latvia	LVA	Year 2021	Full national	3935.00	6682.00	6142.00	7214.00	1.70	1.56	1.83
Morocco	MAR	Year 2021	No observed data	7489.00	19635.00	-1460.00	40976.00	2.62	-0.20	5.47
Monaco	MCO	Year 2021	Full national	35.00	54.00	12.00	92.00	1.53	0.35	2.62
Republic of Moldova	MDA	Year 2021	Full national	7159.00	13090.00	12107.00	13994.00	1.83	1.69	1.95
Madagascar	MDG	Year 2021	No observed data	766.00	17608.00	2600.00	33470.00	22.99	3.39	43.69
Maldives	MDV	Year 2021	Partial national	214.00	243.00	96.00	414.00	1.13	0.45	1.93
Mexico	MEX	Year 2021	Full national	155119.00	311676.00	300349.00	323209.00	2.01	1.94	2.08
Marshall Islands	MHL	Year 2021	No observed data	0.00	-37.00	-84.00	15.00	-Inf	-Inf	Inf
North Macedonia	MKD	Year 2021	Full national	5478.00	9645.00	9108.00	10165.00	1.76	1.66	1.86
Mali	MLI	Year 2021	No observed data	389.00	14843.00	2339.00	28124.00	38.16	6.01	72.30

... Table 2 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Malta	MLT	Year 2021	Full national	253.00	213.00	114.00	309.00	0.84	0.45	1.22
Myanmar	MMR	Year 2021	No observed data	16586.00	43439.00	9401.00	79888.00	2.62	0.57	4.82
Montenegro	MNE	Year 2021	Partial national	1724.00	3039.00	2573.00	3583.00	1.76	1.49	2.08
Mongolia	MNG	Year 2021	Full national	1985.00	2387.00	2073.00	2722.00	1.20	1.04	1.37
Mozambique	MOZ	Year 2021	No observed data	1813.00	37014.00	11650.00	62000.00	20.42	6.43	34.20
Mauritania	MRT	Year 2021	No observed data	539.00	3955.00	1537.00	6419.00	7.34	2.85	11.91
Mauritius	MUS	Year 2021	Full national	776.00	1414.00	1234.00	1591.00	1.82	1.59	2.05
Malawi	MWI	Year 2021	No observed data	2166.00	14023.00	5647.00	23360.00	6.47	2.61	10.79
Malaysia	MYS	Year 2021	Partial national	30999.00	22624.00	12799.00	33141.00	0.73	0.41	1.07
Namibia	NAM	Year 2021	No observed data	3420.00	6857.00	5059.00	8888.00	2.00	1.48	2.60
Niger	NER	Year 2021	No observed data	178.00	18400.00	3635.00	34390.00	103.37	20.42	193.20
Nigeria	NGA	Year 2021	No observed data	1752.00	125850.00	-13147.00	270017.00	71.83	-7.50	154.12
Nicaragua	NIC	Year 2021	Partial national	52.00	2929.00	-509.00	6591.00	56.33	-9.80	126.76
Niue	NIU	Year 2021	No observed data	0.00	-2.00	-10.00	5.00	-Inf	-Inf	Inf
Netherlands	NLD	Year 2021	Full national	9589.00	14731.00	12482.00	16892.00	1.54	1.30	1.76
Norway	NOR	Year 2021	Full national	947.00	493.00	24.00	953.00	0.52	0.03	1.01
Nepal	NPL	Year 2021	No observed data	8836.00	24540.00	9077.00	41100.00	2.78	1.03	4.65
Nauru	NRU	Year 2021	No observed data	0.00	-1.00	-17.00	17.00	-Inf	-Inf	Inf
New Zealand	NZL	Year 2021	Full national	26.00	-612.00	-983.00	-253.00	-23.56	-37.79	-9.72
Oman	OMN	Year 2021	Full national	2619.00	7384.00	6956.00	7804.00	2.82	2.66	2.98
Pakistan	PAK	Year 2021	No observed data	18874.00	136897.00	7013.00	277768.00	7.25	0.37	14.72
Panama	PAN	Year 2021	Partial national	3492.00	4645.00	3898.00	5463.00	1.33	1.12	1.56
Peru	PER	Year 2021	Full national	109518.00	155851.00	152540.00	159146.00	1.42	1.39	1.45
Philippines	PHL	Year 2021	Partial national	42143.00	225400.00	205555.00	247794.00	5.35	4.88	5.88
Palau	PLW	Year 2021	No observed data	0.00	-21.00	-53.00	11.00	-Inf	-Inf	Inf
Papua New Guinea	PNG	Year 2021	No observed data	581.00	2571.00	-1924.00	7567.00	4.43	-3.31	13.02
Poland	POL	Year 2021	Full national	68416.00	96844.00	91197.00	102531.00	1.42	1.33	1.50
Democratic People's Republic of Korea	PRK	Year 2021	No observed data	0.00	-1487.00	-22079.00	20639.00	-Inf	-Inf	Inf
Portugal	PRT	Year 2021	Full national	12107.00	10539.00	8229.00	12883.00	0.87	0.68	1.06
Paraguay	PRY	Year 2021	Full national	14404.00	17407.00	16613.00	18191.00	1.21	1.15	1.26
Qatar	QAT	Year 2021	Full national	372.00	822.00	746.00	894.00	2.21	2.00	2.40
Romania	ROU	Year 2021	Full national	43118.00	71916.00	67748.00	76142.00	1.67	1.57	1.77
Russian Federation	RUS	Year 2021	Full national	251841.00	703019.00	683876.00	723962.00	2.79	2.72	2.87
Rwanda	RWA	Year 2021	No observed data	1263.00	5771.00	403.00	11666.00	4.57	0.32	9.24
Saudi Arabia	SAU	Year 2021	No observed data	2661.00	4924.00	-7086.00	17039.00	1.85	-2.66	6.40
Sudan	SDN	Year 2021	No observed data	1776.00	23774.00	2989.00	45312.00	13.39	1.68	25.51
Senegal	SEN	Year 2021	No observed data	1488.00	11659.00	4437.00	19046.00	7.84	2.98	12.80
Singapore	SGP	Year 2021	Full national	798.00	1505.00	1129.00	1906.00	1.89	1.42	2.39
Solomon Islands	SLB	Year 2021	No observed data	0.00	10.00	-398.00	426.00	Inf	-Inf	Inf

... Table 2 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Sierra Leone	SLE	Year 2021	No observed data	47.00	4319.00	-1048.00	10276.00	91.88	-22.30	218.65
El Salvador	SLV	Year 2021	Partial national	2496.00	9529.00	3655.00	16447.00	3.82	1.46	6.59
San Marino	SMR	Year 2021	Full national	40.00	60.00	44.00	76.00	1.50	1.10	1.90
Somalia	SOM	Year 2021	No observed data	1203.00	22542.00	7909.00	37420.00	18.74	6.57	31.11
Serbia	SRB	Year 2021	Full national	9525.00	38472.00	36372.00	40721.00	4.04	3.82	4.28
South Sudan	SSD	Year 2021	No observed data	72.00	6368.00	-596.00	14129.00	88.44	-8.28	196.24
Sao Tome and Principe	STP	Year 2021	No observed data	40.00	120.00	13.00	235.00	3.00	0.32	5.86
Suriname	SUR	Year 2021	Full national	1069.00	1013.00	859.00	1190.00	0.95	0.80	1.11
Slovakia	SVK	Year 2021	Full national	14497.00	18858.00	17998.00	19701.00	1.30	1.24	1.36
Slovenia	SVN	Year 2021	Full national	3164.00	2236.00	1733.00	2748.00	0.71	0.55	0.87
Sweden	SWE	Year 2021	Full national	5715.00	2753.00	1695.00	3847.00	0.48	0.30	0.67
Eswatini	SWZ	Year 2021	No observed data	1114.00	2903.00	1803.00	4105.00	2.61	1.62	3.69
Seychelles	SYC	Year 2021	Partial national	126.00	180.00	58.00	314.00	1.43	0.46	2.49
Syrian Arab Republic	SYR	Year 2021	No observed data	2189.00	5679.00	-3966.00	15999.00	2.59	-1.81	7.31
Chad	TCD	Year 2021	No observed data	77.00	12261.00	-1008.00	26606.00	159.23	-13.09	345.53
Togo	TGO	Year 2021	Full national	180.00	-1771.00	-2079.00	-1466.00	-9.84	-11.55	-8.15
Thailand	THA	Year 2021	Full national	21637.00	30908.00	18296.00	43275.00	1.43	0.85	2.00
Tajikistan	TJK	Year 2021	Partial national	35.00	-547.00	-5856.00	4958.00	-15.62	-167.30	141.64
Turkmenistan	TKM	Year 2021	No observed data	0.00	-134.00	-3033.00	3257.00	-Inf	-Inf	Inf
Timor-Leste	TLS	Year 2021	No observed data	122.00	640.00	-64.00	1367.00	5.24	-0.53	11.20
Tonga	TON	Year 2021	No observed data	0.00	-14.00	-78.00	59.00	-Inf	-Inf	Inf
Trinidad and Tobago	TTO	Year 2021	No observed data	2699.00	1939.00	951.00	2958.00	0.72	0.35	1.10
Tunisia	TUN	Year 2021	Partial national	20944.00	20679.00	12536.00	29053.00	0.99	0.60	1.39
Turkey	TUR	Year 2021	Sub-national/Annual	61556.00	137650.00	119504.00	158698.00	2.24	1.94	2.58
Tuvalu	TUV	Year 2021	No observed data	0.00	-5.00	-26.00	18.00	-Inf	-Inf	Inf
United Republic of Tanzania	TZA	Year 2021	No observed data	716.00	25302.00	-4519.00	54287.00	35.34	-6.31	75.82
Uganda	UGA	Year 2021	No observed data	2992.00	17690.00	-959.00	37556.00	5.91	-0.32	12.55
Ukraine	UKR	Year 2021	Full national	77366.00	152860.00	143822.00	162129.00	1.98	1.86	2.10
Uruguay	URY	Year 2021	Full national	6000.00	5352.00	4789.00	5909.00	0.89	0.80	0.98
United States of America	USA	Year 2021	Full national	466624.00	466752.00	430261.00	502454.00	1.00	0.92	1.08
Uzbekistan	UZB	Year 2021	Full national	871.00	22074.00	15875.00	28337.00	25.34	18.23	32.53
Saint Vincent and the Grenadines	VCT	Year 2021	Sub-national/Annual	83.00	387.00	54.00	796.00	4.66	0.65	9.59
Venezuela (Bolivarian Republic of)	VEN	Year 2021	No observed data	4300.00	18684.00	3786.00	33943.00	4.35	0.88	7.89
Viet Nam	VNM	Year 2021	Sub-national/Annual	32133.00	52468.00	-135388.00	281578.00	1.63	-4.21	8.76
Vanuatu	VUT	Year 2021	No observed data	0.00	-4.00	-196.00	201.00	-Inf	-Inf	Inf
Samoa	WSM	Year 2021	No observed data	0.00	-32.00	-139.00	89.00	-Inf	-Inf	Inf
Yemen	YEM	Year 2021	No observed data	1373.00	19385.00	3552.00	35760.00	14.12	2.59	26.05
South Africa	ZAF	Year 2021	Full national	63028.00	184269.00	178559.00	189659.00	2.92	2.83	3.01
Zambia	ZMB	Year 2021	No observed data	3344.00	18259.00	7382.00	28835.00	5.46	2.21	8.62

... Table 2 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Zimbabwe	ZWE	Year 2021	No observed data	4637.00	17156.00	7984.00	27427.00	3.70	1.72	5.91
Global	NA	Year 2021	NA	3521699.00	10427755.00	9131690.00	12082431.00	2.96	2.59	3.43
AFRO	NA	Year 2021	NA	113361.00	878990.00	660186.00	1091459.00	7.75	5.82	9.63
AMRO	NA	Year 2021	NA	1460022.00	1859815.00	1802951.00	1921896.00	1.27	1.23	1.32
EMRO	NA	Year 2021	NA	191544.00	629924.00	476125.00	789005.00	3.29	2.49	4.12
EURO	NA	Year 2021	NA	1085131.00	1924423.00	1875611.00	1972999.00	1.77	1.73	1.82
SEARO	NA	Year 2021	NA	536984.00	4780286.00	3522152.00	6386170.00	8.90	6.56	11.89
WPRO	NA	Year 2021	NA	134657.00	354317.00	169215.00	580052.00	2.63	1.26	4.31
LIC	NA	Year 2021	NA	28478.00	439392.00	302531.00	581685.00	15.43	10.62	20.43
LMIC	NA	Year 2021	NA	860930.00	6108251.00	4798973.00	7733713.00	7.09	5.57	8.98
UMIC	NA	Year 2021	NA	1534381.00	2751625.00	2692517.00	2813938.00	1.79	1.75	1.83
HIC	NA	Year 2021	NA	1097910.00	1128486.00	1070756.00	1186183.00	1.03	0.98	1.08

Table 3: For both years 2020 and 2021. Showing location name, ISO3C code, period, data type, total reported COVID-19 deaths, total estimated excess deaths (mean and uncertainty interval), ratio of total excess deaths to reported COVID-19 (mean and uncertainty interval)

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Afghanistan	AFG	2020 and 2021	No observed data	7356.00	44533.00	14283.00	75667.00	6.05	1.94	10.2
Angola	AGO	2020 and 2021	No observed data	1757.00	22685.00	-2695.00	49818.00	12.91	-1.53	28.3
Albania	ALB	2020 and 2021	Full national	3215.00	12689.00	11575.00	13710.00	3.95	3.60	4.2
Andorra	AND	2020 and 2021	Partial national	140.00	375.00	212.00	552.00	2.68	1.52	3.9
United Arab Emirates	ARE	2020 and 2021	No observed data	2162.00	2330.00	-363.00	5142.00	1.08	-0.17	2.3
Argentina	ARG	2020 and 2021	Sub-national/Annual	117111.00	89882.00	62441.00	119254.00	0.77	0.53	1.0
Armenia	ARM	2020 and 2021	Full national	7972.00	19663.00	19052.00	20301.00	2.47	2.39	2.5
Antigua and Barbuda	ATG	2020 and 2021	Partial national	118.00	-30.00	-184.00	137.00	-0.25	-1.56	1.1
Australia	AUS	2020 and 2021	Full national	2226.00	-14255.00	-18123.00	-10510.00	-6.40	-8.14	-4.7
Austria	AUT	2020 and 2021	Full national	13370.00	11938.00	10079.00	13725.00	0.89	0.75	1.0
Azerbaijan	AZE	2020 and 2021	Full national	8346.00	57008.00	54369.00	59551.00	6.83	6.51	7.1
Burundi	BDI	2020 and 2021	No observed data	14.00	9337.00	-811.00	19113.00	666.96	-57.90	1365.2
Belgium	BEL	2020 and 2021	Full national	28387.00	17918.00	15368.00	20384.00	0.63	0.54	0.7
Benin	BEN	2020 and 2021	No observed data	161.00	11853.00	944.00	23856.00	73.62	5.86	148.1
Burkina Faso	BFA	2020 and 2021	No observed data	318.00	22160.00	4867.00	40068.00	69.68	15.31	126.0
Bangladesh	BGD	2020 and 2021	No observed data	28072.00	140764.00	49648.00	237705.00	5.01	1.77	8.4
Bulgaria	BGR	2020 and 2021	Full national	30890.00	57494.00	55188.00	59781.00	1.86	1.79	1.9
Bahrain	BHR	2020 and 2021	No observed data	1394.00	666.00	5.00	1346.00	0.48	0.00	0.9
Bahamas	BHS	2020 and 2021	No observed data	716.00	1003.00	574.00	1425.00	1.40	0.80	1.9
Bosnia and Herzegovina	BIH	2020 and 2021	Full national	13428.00	15716.00	14324.00	17014.00	1.17	1.07	1.2
Belarus	BLR	2020 and 2021	Partial national	5561.00	48893.00	37783.00	61499.00	8.79	6.79	11.0
Belize	BLZ	2020 and 2021	Partial national	597.00	697.00	329.00	1103.00	1.17	0.55	1.8
Bolivia (Plurinational State of)	BOL	2020 and 2021	Full national	19650.00	88030.00	86965.00	89097.00	4.48	4.43	4.5
Brazil	BRA	2020 and 2021	Full national	618817.00	681267.00	668621.00	694325.00	1.10	1.08	1.1
Barbados	BRB	2020 and 2021	Partial national	260.00	-356.00	-628.00	-38.00	-1.37	-2.41	-0.1
Brunei Darussalam	BRN	2020 and 2021	Partial national	57.00	-110.00	-522.00	296.00	-1.93	-9.16	5.1
Bhutan	BTN	2020 and 2021	No observed data	3.00	-397.00	-942.00	156.00	-132.33	-313.98	51.8
Botswana	BWA	2020 and 2021	No observed data	2439.00	7413.00	4742.00	10081.00	3.04	1.94	4.1
Central African Republic	CAF	2020 and 2021	No observed data	101.00	6246.00	-278.00	13123.00	61.85	-2.76	129.9
Canada	CAN	2020 and 2021	Partial national	29958.00	22019.00	8618.00	36437.00	0.74	0.29	1.2
Switzerland	CHE	2020 and 2021	Full national	11902.00	8247.00	6923.00	9649.00	0.69	0.58	0.8
Chile	CHL	2020 and 2021	Full national	39096.00	38695.00	37328.00	40170.00	0.99	0.95	1.0
China	CHN	2020 and 2021	Sub-national/Annual	5699.00	-52063.00	-68658.00	-35996.00	-9.14	-12.05	-6.3
Côte d'Ivoire	CIV	2020 and 2021	No observed data	712.00	25434.00	3993.00	48365.00	35.72	5.61	67.9
Cameroon	CMR	2020 and 2021	No observed data	1851.00	35322.00	11957.00	59230.00	19.08	6.46	32.0
Democratic Republic of the Congo	COD	2020 and 2021	No observed data	1205.00	117758.00	29475.00	204303.00	97.72	24.46	169.5
Congo	COG	2020 and 2021	No observed data	367.00	4529.00	552.00	8915.00	12.34	1.50	24.2

... Table 3 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Cook Islands	COK	2020 and 2021	No observed data	0.00	-36.00	-75.00	2.00	-Inf	-Inf	Inf
Colombia	COL	2020 and 2021	Full national	129866.00	164744.00	162386.00	166874.00	1.27	1.25	1.29
Comoros	COM	2020 and 2021	No observed data	158.00	723.00	136.00	1333.00	4.58	0.86	8.44
Cabo Verde	CPV	2020 and 2021	No observed data	352.00	927.00	485.00	1346.00	2.63	1.38	3.88
Costa Rica	CRI	2020 and 2021	Partial national	7354.00	9647.00	6244.00	13356.00	1.31	0.85	1.87
Cuba	CUB	2020 and 2021	Partial national	8322.00	18160.00	5674.00	31831.00	2.18	0.68	3.88
Cyprus	CYP	2020 and 2021	Full national	646.00	1009.00	762.00	1230.00	1.56	1.18	1.94
Czechia	CZE	2020 and 2021	Full national	36285.00	37039.00	34575.00	39565.00	1.02	0.95	1.09
Germany	DEU	2020 and 2021	Full national	111925.00	194988.00	161477.00	229006.00	1.74	1.44	2.04
Djibouti	DJI	2020 and 2021	No observed data	189.00	1767.00	867.00	2700.00	9.35	4.59	14.21
Dominica	DMA	2020 and 2021	No observed data	45.00	15.00	-98.00	135.00	0.33	-2.17	3.00
Denmark	DNK	2020 and 2021	Full national	3257.00	3716.00	2601.00	4796.00	1.14	0.80	1.49
Dominican Republic	DOM	2020 and 2021	Partial national	4246.00	11873.00	3713.00	20401.00	2.80	0.87	4.87
Algeria	DZA	2020 and 2021	Partial national	6271.00	69587.00	50065.00	90681.00	11.10	7.98	14.42
Ecuador	ECU	2020 and 2021	Full national	33669.00	80868.00	78832.00	83005.00	2.40	2.34	2.46
Egypt	EGY	2020 and 2021	Partial national	21727.00	251102.00	223533.00	281172.00	11.56	10.29	12.93
Eritrea	ERI	2020 and 2021	No observed data	75.00	2413.00	-630.00	5411.00	32.17	-8.40	72.17
Spain	ESP	2020 and 2021	Full national	91005.00	103937.00	94023.00	113590.00	1.14	1.03	1.25
Estonia	EST	2020 and 2021	Full national	1932.00	3374.00	3018.00	3730.00	1.75	1.56	1.94
Ethiopia	ETH	2020 and 2021	No observed data	6926.00	103496.00	27378.00	177991.00	14.94	3.95	25.77
Finland	FIN	2020 and 2021	Full national	1727.00	2857.00	2025.00	3690.00	1.65	1.17	2.13
Fiji	FJI	2020 and 2021	No observed data	698.00	-117.00	-998.00	807.00	-0.17	-1.43	1.11
France	FRA	2020 and 2021	Full national	120962.00	81850.00	69781.00	92987.00	0.68	0.58	0.78
Micronesia (Federated States of)	FSM	2020 and 2021	No observed data	0.00	-111.00	-255.00	45.00	-Inf	-Inf	Inf
Gabon	GAB	2020 and 2021	No observed data	288.00	1602.00	18.00	3215.00	5.56	0.06	11.10
The United Kingdom	GBR	2020 and 2021	Full national	149604.00	148897.00	133688.00	164445.00	1.00	0.89	1.11
Georgia	GEO	2020 and 2021	Partial national	13800.00	24465.00	19575.00	30287.00	1.77	1.42	2.13
Ghana	GHA	2020 and 2021	No observed data	1287.00	20907.00	-302.00	41605.00	16.24	-0.23	32.37
Guinea	GIN	2020 and 2021	No observed data	391.00	12530.00	-38.00	25814.00	32.05	-0.10	66.05
Gambia	GMB	2020 and 2021	No observed data	343.00	2904.00	1127.00	4748.00	8.47	3.28	13.88
Guinea-Bissau	GNB	2020 and 2021	No observed data	149.00	2841.00	777.00	4781.00	19.07	5.21	32.07
Equatorial Guinea	GNQ	2020 and 2021	No observed data	175.00	1719.00	454.00	3014.00	9.83	2.60	17.21
Greece	GRC	2020 and 2021	Full national	20708.00	19394.00	16705.00	22133.00	0.94	0.81	1.07
Grenada	GRD	2020 and 2021	Sub-national/Annual	200.00	-267.00	-530.00	50.00	-1.34	-2.65	0.22
Guatemala	GTM	2020 and 2021	Full national	16102.00	49396.00	48115.00	50660.00	3.07	2.99	3.15
Guyana	GUY	2020 and 2021	No observed data	1051.00	2811.00	1702.00	3956.00	2.67	1.62	3.72
Honduras	HND	2020 and 2021	No observed data	10434.00	22662.00	14852.00	30653.00	2.17	1.42	2.92
Croatia	HRV	2020 and 2021	Full national	12493.00	17176.00	15889.00	18367.00	1.37	1.27	1.47
Haiti	HTI	2020 and 2021	No observed data	766.00	9609.00	-18429.00	36409.00	12.54	-24.06	47.54

... Table 3 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Hungary	HUN	2020 and 2021	Full national	39186.00	36497.00	33558.00	39439.00	0.93	0.86	1.00
Indonesia	IDN	2020 and 2021	Sub-national/Annual	144094.00	1028565.00	750749.00	1286532.00	7.14	5.21	8.90
India	IND	2020 and 2021	Sub-national/Annual	481080.00	4740894.00	3308100.00	6479698.00	9.85	6.88	13.40
Ireland	IRL	2020 and 2021	Full national	6074.00	2922.00	2243.00	3576.00	0.48	0.37	0.59
Iran (Islamic Republic of)	IRN	2020 and 2021	Full national	131572.00	232153.00	224035.00	240107.00	1.76	1.70	1.82
Iraq	IRQ	2020 and 2021	Partial national	24154.00	66735.00	49069.00	86434.00	2.76	2.03	3.50
Iceland	ISL	2020 and 2021	Full national	37.00	-11.00	-64.00	46.00	-0.29	-1.72	1.12
Israel	ISR	2020 and 2021	Full national	8257.00	6177.00	5246.00	7030.00	0.75	0.64	0.86
Italy	ITA	2020 and 2021	Full national	137247.00	160801.00	146161.00	176141.00	1.17	1.06	1.28
Jamaica	JAM	2020 and 2021	Partial national	2470.00	3592.00	1111.00	6402.00	1.45	0.45	2.50
Jordan	JOR	2020 and 2021	Partial national	12620.00	11929.00	8143.00	15950.00	0.95	0.65	1.25
Japan	JPN	2020 and 2021	Full national	18393.00	-19471.00	-35732.00	-4245.00	-1.06	-1.94	-0.18
Kazakhstan	KAZ	2020 and 2021	Full national	18227.00	76215.00	73727.00	78692.00	4.18	4.04	4.32
Kenya	KEN	2020 and 2021	Full national	5376.00	12351.00	11300.00	13366.00	2.30	2.10	2.40
Kyrgyzstan	KGZ	2020 and 2021	Full national	2802.00	12313.00	11468.00	13147.00	4.39	4.09	4.69
Cambodia	KHM	2020 and 2021	No observed data	3012.00	12518.00	1069.00	23845.00	4.16	0.35	7.90
Kiribati	KIR	2020 and 2021	No observed data	0.00	-45.00	-230.00	153.00	-Inf	-Inf	Inf
Saint Kitts and Nevis	KNA	2020 and 2021	Sub-national/Annual	28.00	-207.00	-376.00	25.00	-7.41	-13.45	0.80
Republic of Korea	KOR	2020 and 2021	Full national	5563.00	6288.00	1440.00	11254.00	1.13	0.26	2.00
Kuwait	KWT	2020 and 2021	Partial national	2468.00	4240.00	3124.00	5425.00	1.72	1.27	2.20
Lao People's Democratic Republic	LAO	2020 and 2021	No observed data	360.00	1756.00	-2956.00	6850.00	4.88	-8.21	19.00
Lebanon	LBN	2020 and 2021	Full national	9102.00	18520.00	17323.00	19815.00	2.03	1.90	2.16
Liberia	LBR	2020 and 2021	No observed data	287.00	4043.00	-381.00	8887.00	14.09	-1.33	30.90
Libya	LBY	2020 and 2021	No observed data	5696.00	7861.00	4251.00	11453.00	1.38	0.75	2.00
Saint Lucia	LCA	2020 and 2021	No observed data	295.00	370.00	134.00	607.00	1.25	0.45	2.00
Sri Lanka	LKA	2020 and 2021	Sub-national/Annual	14979.00	-8831.00	-23896.00	6461.00	-0.59	-1.60	0.40
Lesotho	LSO	2020 and 2021	No observed data	665.00	3982.00	-15.00	8088.00	5.99	-0.02	12.10
Lithuania	LTU	2020 and 2021	Full national	7397.00	17255.00	16461.00	18104.00	2.33	2.23	2.43
Luxembourg	LUX	2020 and 2021	Full national	915.00	69.00	-56.00	191.00	0.08	-0.06	0.20
Latvia	LVA	2020 and 2021	Full national	4561.00	7668.00	6968.00	8365.00	1.68	1.53	1.83
Morocco	MAR	2020 and 2021	No observed data	14844.00	34748.00	4261.00	65080.00	2.34	0.29	4.30
Monaco	MCO	2020 and 2021	Full national	38.00	64.00	18.00	109.00	1.68	0.49	2.80
Republic of Moldova	MDA	2020 and 2021	Full national	10269.00	18158.00	16975.00	19386.00	1.77	1.65	1.89
Madagascar	MDG	2020 and 2021	No observed data	1027.00	25582.00	3442.00	50242.00	24.91	3.35	48.90
Maldives	MDV	2020 and 2021	Partial national	262.00	246.00	96.00	414.00	0.94	0.37	1.50
Mexico	MEX	2020 and 2021	Full national	302742.00	626217.00	611254.00	640660.00	2.07	2.02	2.12
Marshall Islands	MHL	2020 and 2021	No observed data	0.00	-79.00	-145.00	-5.00	-Inf	-Inf	-Inf
North Macedonia	MKD	2020 and 2021	Full national	7966.00	15357.00	14611.00	16029.00	1.93	1.83	2.03
Mali	MLI	2020 and 2021	No observed data	658.00	27311.00	9523.00	45868.00	41.51	14.47	69.70

... Table 3 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Malta	MLT	2020 and 2021	Full national	476.00	477.00	349.00	598.00	1.00	0.73	1.27
Myanmar	MMR	2020 and 2021	No observed data	19268.00	44188.00	200.00	87815.00	2.29	0.01	4.50
Montenegro	MNE	2020 and 2021	Partial national	2401.00	3910.00	3384.00	4472.00	1.63	1.41	1.85
Mongolia	MNG	2020 and 2021	Full national	1986.00	4.00	-419.00	414.00	0.00	-0.21	0.21
Mozambique	MOZ	2020 and 2021	No observed data	1976.00	42731.00	12131.00	78197.00	21.62	6.14	39.50
Mauritania	MRT	2020 and 2021	No observed data	863.00	6948.00	3623.00	10616.00	8.05	4.20	12.30
Mauritius	MUS	2020 and 2021	Full national	786.00	942.00	708.00	1176.00	1.20	0.90	1.50
Malawi	MWI	2020 and 2021	No observed data	2355.00	17113.00	4730.00	29700.00	7.27	2.01	12.60
Malaysia	MYS	2020 and 2021	Partial national	31462.00	7533.00	-2537.00	18220.00	0.24	-0.08	0.56
Namibia	NAM	2020 and 2021	No observed data	3616.00	7753.00	5338.00	10417.00	2.14	1.48	2.82
Niger	NER	2020 and 2021	No observed data	274.00	34339.00	10303.00	57594.00	125.32	37.60	210.20
Nigeria	NGA	2020 and 2021	No observed data	3030.00	186434.00	-10317.00	393877.00	61.53	-3.40	129.90
Nicaragua	NIC	2020 and 2021	Partial national	217.00	12095.00	8128.00	16517.00	55.74	37.46	76.10
Niue	NIU	2020 and 2021	No observed data	0.00	-5.00	-15.00	7.00	-Inf	-Inf	Inf
Netherlands	NLD	2020 and 2021	Full national	20887.00	29212.00	26398.00	31842.00	1.40	1.26	1.54
Norway	NOR	2020 and 2021	Full national	1380.00	-101.00	-685.00	541.00	-0.07	-0.50	0.36
Nepal	NPL	2020 and 2021	No observed data	11594.00	32513.00	12547.00	54054.00	2.80	1.08	4.60
Nauru	NRU	2020 and 2021	No observed data	0.00	-1.00	-25.00	21.00	-Inf	-Inf	Inf
New Zealand	NZL	2020 and 2021	Full national	51.00	-2677.00	-3178.00	-2206.00	-52.49	-62.32	-43.20
Oman	OMN	2020 and 2021	Full national	4116.00	11500.00	10959.00	12011.00	2.79	2.66	2.92
Pakistan	PAK	2020 and 2021	No observed data	28921.00	230440.00	43557.00	427299.00	7.97	1.51	14.70
Panama	PAN	2020 and 2021	Partial national	7425.00	7643.00	6883.00	8527.00	1.03	0.93	1.13
Peru	PER	2020 and 2021	Full national	202584.00	289668.00	285558.00	293376.00	1.43	1.41	1.44
Philippines	PHL	2020 and 2021	Partial national	51373.00	185253.00	165274.00	208241.00	3.61	3.22	4.00
Palau	PLW	2020 and 2021	No observed data	0.00	-40.00	-84.00	6.00	-Inf	-Inf	Inf
Papua New Guinea	PNG	2020 and 2021	No observed data	590.00	761.00	-5854.00	7957.00	1.29	-9.92	13.40
Poland	POL	2020 and 2021	Full national	97057.00	157531.00	150086.00	164201.00	1.62	1.55	1.69
Democratic People's Republic of Korea	PRK	2020 and 2021	No observed data	0.00	-7098.00	-35415.00	22791.00	-Inf	-Inf	Inf
Portugal	PRT	2020 and 2021	Full national	18937.00	20447.00	17204.00	23625.00	1.08	0.91	1.25
Paraguay	PRY	2020 and 2021	Full national	16624.00	19817.00	18875.00	20735.00	1.19	1.14	1.24
Qatar	QAT	2020 and 2021	Full national	617.00	1539.00	1441.00	1636.00	2.49	2.34	2.64
Romania	ROU	2020 and 2021	Full national	58714.00	106912.00	101439.00	112212.00	1.82	1.73	1.91
Russian Federation	RUS	2020 and 2021	Full national	308860.00	1072326.00	1046329.00	1099058.00	3.47	3.39	3.55
Rwanda	RWA	2020 and 2021	No observed data	1349.00	5401.00	-1552.00	13151.00	4.00	-1.15	9.70
Saudi Arabia	SAU	2020 and 2021	No observed data	8875.00	17550.00	-717.00	35740.00	1.98	-0.08	4.00
Sudan	SDN	2020 and 2021	No observed data	3337.00	37999.00	9413.00	66518.00	11.39	2.82	19.90
Senegal	SEN	2020 and 2021	No observed data	1890.00	16504.00	6858.00	26765.00	8.73	3.63	14.10
Singapore	SGP	2020 and 2021	Full national	827.00	1475.00	1028.00	1927.00	1.78	1.24	2.32
Solomon Islands	SLB	2020 and 2021	No observed data	0.00	-60.00	-636.00	519.00	-Inf	-Inf	Inf

... Table 3 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Sierra Leone	SLE	2020 and 2021	No observed data	123.00	7885.00	481.00	15747.00	64.10	3.91	128.00
El Salvador	SLV	2020 and 2021	Partial national	3823.00	17036.00	9805.00	25291.00	4.46	2.56	6.00
San Marino	SMR	2020 and 2021	Full national	99.00	171.00	150.00	190.00	1.72	1.52	1.90
Somalia	SOM	2020 and 2021	No observed data	1333.00	35461.00	15131.00	56343.00	26.60	11.35	42.20
Serbia	SRB	2020 and 2021	Full national	12688.00	55643.00	52601.00	58526.00	4.39	4.15	4.60
South Sudan	SSD	2020 and 2021	No observed data	135.00	9166.00	-556.00	19355.00	67.90	-4.12	143.30
Sao Tome and Principe	STP	2020 and 2021	No observed data	57.00	191.00	44.00	344.00	3.35	0.77	6.00
Suriname	SUR	2020 and 2021	Full national	1189.00	727.00	568.00	915.00	0.61	0.48	0.70
Slovakia	SVK	2020 and 2021	Full national	16635.00	24320.00	23175.00	25433.00	1.46	1.39	1.50
Slovenia	SVN	2020 and 2021	Full national	6119.00	5582.00	4936.00	6216.00	0.91	0.81	1.00
Sweden	SWE	2020 and 2021	Full national	15365.00	11255.00	9870.00	12667.00	0.73	0.64	0.80
Eswatini	SWZ	2020 and 2021	No observed data	1299.00	3820.00	2275.00	5392.00	2.94	1.75	4.10
Seychelles	SYC	2020 and 2021	Partial national	126.00	7.00	-115.00	139.00	0.06	-0.91	1.10
Syrian Arab Republic	SYR	2020 and 2021	No observed data	2893.00	7314.00	-6124.00	20038.00	2.53	-2.12	6.90
Chad	TCD	2020 and 2021	No observed data	181.00	19249.00	1784.00	37552.00	106.35	9.86	207.40
Togo	TGO	2020 and 2021	Full national	248.00	-6989.00	-7368.00	-6599.00	-28.18	-29.71	-26.00
Thailand	THA	2020 and 2021	Full national	21698.00	15301.00	929.00	29983.00	0.71	0.04	1.30
Tajikistan	TJK	2020 and 2021	Partial national	125.00	13009.00	7932.00	18708.00	104.07	63.45	149.00
Turkmenistan	TKM	2020 and 2021	No observed data	0.00	652.00	-3800.00	5091.00	Inf	-Inf	Inf
Timor-Leste	TLS	2020 and 2021	No observed data	122.00	683.00	-292.00	1643.00	5.60	-2.39	13.40
Tonga	TON	2020 and 2021	No observed data	0.00	-37.00	-129.00	60.00	-Inf	-Inf	Inf
Trinidad and Tobago	TTO	2020 and 2021	No observed data	2825.00	2031.00	812.00	3344.00	0.72	0.29	1.10
Tunisia	TUN	2020 and 2021	Partial national	25564.00	23821.00	15647.00	32072.00	0.93	0.61	1.20
Turkey	TUR	2020 and 2021	Sub-national/Annual	82198.00	264041.00	236728.00	295918.00	3.21	2.88	3.60
Tuvalu	TUV	2020 and 2021	No observed data	0.00	-11.00	-40.00	19.00	-Inf	-Inf	Inf
United Republic of Tanzania	TZA	2020 and 2021	No observed data	737.00	40030.00	1070.00	79956.00	54.31	1.45	108.40
Uganda	UGA	2020 and 2021	No observed data	3295.00	20519.00	-4810.00	47132.00	6.23	-1.46	14.30
Ukraine	UKR	2020 and 2021	Full national	95899.00	198226.00	186080.00	210076.00	2.07	1.94	2.10
Uruguay	URY	2020 and 2021	Full national	6168.00	3106.00	2373.00	3833.00	0.50	0.38	0.60
United States of America	USA	2020 and 2021	Full national	818463.00	932458.00	886917.00	978225.00	1.14	1.08	1.20
Uzbekistan	UZB	2020 and 2021	Full national	1485.00	44886.00	36289.00	53101.00	30.23	24.44	35.70
Saint Vincent and the Grenadines	VCT	2020 and 2021	Sub-national/Annual	83.00	493.00	158.00	901.00	5.93	1.90	10.80
Venezuela (Bolivarian Republic of)	VEN	2020 and 2021	No observed data	5321.00	22325.00	541.00	44628.00	4.20	0.10	8.30
Viet Nam	VNM	2020 and 2021	Sub-national/Annual	32168.00	-6211.00	-193814.00	222426.00	-0.19	-6.03	6.90
Vanuatu	VUT	2020 and 2021	No observed data	0.00	-76.00	-348.00	202.00	-Inf	-Inf	Inf
Samoa	WSM	2020 and 2021	No observed data	0.00	-89.00	-247.00	73.00	-Inf	-Inf	Inf
Yemen	YEM	2020 and 2021	No observed data	1984.00	33792.00	11717.00	59726.00	17.03	5.91	30.10
South Africa	ZAF	2020 and 2021	Full national	91061.00	238671.00	231293.00	246109.00	2.62	2.54	2.70
Zambia	ZMB	2020 and 2021	No observed data	3730.00	23553.00	9492.00	38536.00	6.31	2.54	10.30

... Table 3 continued

location	ISO3C	period	data.type	reported.covid	excess.mean	excess.lwr	excess.uppr	ratio.mean	ratio.lwr	ratio.uppr
Zimbabwe	ZWE	2020 and 2021	No observed data	4998.00	18632.00	5503.00	32637.00	3.73	1.10	6.5
Global	NA	2020 and 2021	NA	5420534.00	14910195.00	13322273.00	16645702.00	2.75	2.46	3.0
AFRO	NA	2020 and 2021	NA	155482.00	1248553.00	909942.00	1578048.00	8.03	5.85	10.1
AMRO	NA	2020 and 2021	NA	2408635.00	3228097.00	3155918.00	3299336.00	1.34	1.31	1.3
EMRO	NA	2020 and 2021	NA	310924.00	1075999.00	867866.00	1302531.00	3.46	2.79	4.1
EURO	NA	2020 and 2021	NA	1669856.00	3250625.00	3183391.00	3320525.00	1.95	1.91	1.9
SEARO	NA	2020 and 2021	NA	721172.00	5986827.00	4498035.00	7715192.00	8.30	6.24	10.7
WPRO	NA	2020 and 2021	NA	154465.00	120094.00	-65712.00	351717.00	0.78	-0.43	2.2
LIC	NA	2020 and 2021	NA	38333.00	638035.00	434314.00	845622.00	16.64	11.33	22.0
LMIC	NA	2020 and 2021	NA	1182877.00	7869085.00	6297712.00	9604119.00	6.65	5.32	8.1
UMIC	NA	2020 and 2021	NA	2264486.00	4239941.00	4175042.00	4309161.00	1.87	1.84	1.9
HIC	NA	2020 and 2021	NA	1934838.00	2163134.00	2093096.00	2235497.00	1.12	1.08	1.1

C Tables of annual estimates of excess mortality associated with the COVID-19 pandemic per 100,000 population (2020, 2021 and both years combined)

Table 4: For year 2020. Showing location name, ISO3C code, period, data type, person-years in thousands, total reported COVID-19 deaths per 100,000 population, total estimated excess deaths per 100,000 population (mean and uncertainty interval).

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Afghanistan	AFG	Year 2020	No observed data	38928.00	5.62	49.82	-3.33	103.33
Angola	AGO	Year 2020	No observed data	32866.00	1.23	16.25	-33.70	70.41
Albania	ALB	Year 2020	Full national	2878.00	40.80	193.48	169.46	218.75
Andorra	AND	Year 2020	Partial national	77.00	108.72	299.75	264.74	337.21
United Arab Emirates	ARE	Year 2020	No observed data	9890.00	6.72	9.39	-7.37	27.66
Argentina	ARG	Year 2020	Sub-national/Annual	45196.00	95.18	70.12	52.72	86.26
Armenia	ARM	Year 2020	Full national	2963.00	95.27	334.72	321.10	348.95
Antigua and Barbuda	ATG	Year 2020	Partial national	98.00	5.11	-58.18	-83.18	-33.91
Australia	AUS	Year 2020	Full national	25500.00	3.56	-30.02	-38.49	-22.36
Austria	AUT	Year 2020	Full national	9006.00	70.03	72.55	59.37	85.28
Azerbaijan	AZE	Year 2020	Full national	10139.00	25.40	271.99	257.18	287.13
Burundi	BDI	Year 2020	No observed data	11891.00	0.02	34.45	-20.84	92.82
Belgium	BEL	Year 2020	Full national	11590.00	170.48	146.41	132.02	160.77
Benin	BEN	Year 2020	No observed data	12123.00	0.36	32.44	-27.67	93.37
Burkina Faso	BFA	Year 2020	No observed data	20903.00	0.39	34.31	-22.27	89.21
Bangladesh	BGD	Year 2020	No observed data	164689.00	4.59	27.96	-9.57	67.65
Bulgaria	BGR	Year 2020	Full national	6948.00	108.15	242.92	219.79	264.90
Bahrain	BHR	Year 2020	No observed data	1702.00	20.69	14.47	-8.59	39.72
Bahamas	BHS	Year 2020	No observed data	393.00	43.23	85.24	15.68	156.75
Bosnia and Herzegovina	BIH	Year 2020	Full national	3281.00	123.44	160.58	137.53	183.81
Belarus	BLR	Year 2020	Partial national	9449.00	14.96	253.08	236.76	269.90
Belize	BLZ	Year 2020	Partial national	398.00	60.61	30.72	22.23	39.24
Bolivia (Plurinational State of)	BOL	Year 2020	Full national	11673.00	78.26	310.96	305.23	316.91
Brazil	BRA	Year 2020	Full national	212559.00	90.65	99.18	95.09	102.91
Barbados	BRB	Year 2020	Partial national	287.00	2.44	-90.45	-122.50	-58.13
Brunei Darussalam	BRN	Year 2020	Partial national	437.00	0.69	-28.09	-39.82	-16.54
Bhutan	BTN	Year 2020	No observed data	772.00	0.00	-27.46	-77.22	19.57
Botswana	BWA	Year 2020	No observed data	2352.00	1.70	9.73	-61.07	79.03
Central African Republic	CAF	Year 2020	No observed data	4830.00	1.30	48.93	-42.37	140.81
Canada	CAN	Year 2020	Partial national	37742.00	40.47	44.54	36.72	52.89
Switzerland	CHE	Year 2020	Full national	8655.00	86.86	87.12	77.25	97.53
Chile	CHL	Year 2020	Full national	19116.00	86.31	76.25	71.19	81.16

... Table 4 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
China	CHN	Year 2020	Sub-national/Annual	1447470.00	0.33	-5.22	-5.92	-4.57
Côte d'Ivoire	CIV	Year 2020	No observed data	26378.00	0.52	29.96	-26.10	88.78
Cameroon	CMR	Year 2020	No observed data	26546.00	1.69	45.64	-12.71	103.72
Democratic Republic of the Congo	COD	Year 2020	No observed data	89561.00	0.65	41.55	-17.80	104.85
Congo	COG	Year 2020	No observed data	5518.00	1.81	24.34	-22.00	73.60
Cook Islands	COK	Year 2020	No observed data	18.00	0.00	-107.67	-257.33	61.96
Colombia	COL	Year 2020	Full national	50883.00	83.76	106.24	103.36	108.85
Comoros	COM	Year 2020	No observed data	870.00	1.03	17.99	-27.83	64.64
Cabo Verde	CPV	Year 2020	No observed data	556.00	20.14	58.96	10.35	112.13
Costa Rica	CRI	Year 2020	Partial national	5094.00	42.32	26.64	18.98	34.43
Cuba	CUB	Year 2020	Partial national	11327.00	1.28	-2.06	-14.88	10.02
Cyprus	CYP	Year 2020	Full national	1207.00	10.10	15.96	4.20	27.87
Czechia	CZE	Year 2020	Full national	10709.00	111.00	125.58	111.21	139.70
Germany	DEU	Year 2020	Full national	83784.00	39.47	79.72	56.75	101.46
Djibouti	DJI	Year 2020	No observed data	988.00	6.17	71.19	11.97	137.71
Dominica	DMA	Year 2020	No observed data	72.00	0.00	-75.83	-180.63	30.40
Denmark	DNK	Year 2020	Full national	5792.00	22.77	7.76	-3.01	18.28
Dominican Republic	DOM	Year 2020	Partial national	10848.00	22.21	9.91	-18.66	42.64
Algeria	DZA	Year 2020	Partial national	43851.00	6.27	127.39	121.07	133.92
Ecuador	ECU	Year 2020	Full national	17643.00	79.48	263.01	256.04	269.46
Egypt	EGY	Year 2020	Partial national	102334.00	7.40	88.87	76.56	100.41
Eritrea	ERI	Year 2020	No observed data	3546.00	0.03	8.32	-50.05	65.32
Spain	ESP	Year 2020	Full national	46755.00	115.61	155.23	141.67	168.94
Estonia	EST	Year 2020	Full national	1327.00	17.26	22.59	5.48	39.22
Ethiopia	ETH	Year 2020	No observed data	114964.00	1.67	23.81	-20.31	67.27
Finland	FIN	Year 2020	Full national	5541.00	10.68	13.48	3.43	24.27
Fiji	FJI	Year 2020	No observed data	896.00	0.22	-87.08	-145.69	-25.35
France	FRA	Year 2020	Full national	65274.00	98.06	75.34	64.07	86.06
Micronesia (Federated States of)	FSM	Year 2020	No observed data	115.00	0.00	-54.65	-138.11	38.61
Gabon	GAB	Year 2020	No observed data	2226.00	2.88	12.49	-38.22	65.98
The United Kingdom	GBR	Year 2020	Full national	67886.00	110.64	125.95	112.14	139.82
Georgia	GEO	Year 2020	Partial national	3989.00	62.79	139.65	119.45	159.38
Ghana	GHA	Year 2020	No observed data	31073.00	1.08	20.79	-27.70	68.38
Guinea	GIN	Year 2020	No observed data	13133.00	0.61	29.93	-35.06	97.98
Gambia	GMB	Year 2020	No observed data	2417.00	5.13	41.40	-6.23	94.00
Guinea-Bissau	GNB	Year 2020	No observed data	1968.00	2.29	55.79	-9.71	128.13
Equatorial Guinea	GNQ	Year 2020	No observed data	1403.00	6.13	49.56	-11.04	116.25
Greece	GRC	Year 2020	Full national	10423.00	45.94	38.79	20.94	56.24
Grenada	GRD	Year 2020	Sub-national/Annual	113.00	0.89	-225.16	-245.58	-206.89

... Table 4 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Guatemala	GTM	Year 2020	Full national	17916.00	26.81	48.83	44.59	53.36
Guyana	GUY	Year 2020	No observed data	787.00	20.85	50.31	-32.67	137.31
Honduras	HND	Year 2020	No observed data	9905.00	31.41	73.55	23.77	122.85
Croatia	HRV	Year 2020	Full national	4105.00	94.03	134.05	112.41	153.94
Haiti	HTI	Year 2020	No observed data	11403.00	2.07	25.13	-131.48	175.90
Hungary	HUN	Year 2020	Full national	9660.00	98.72	114.61	94.79	135.95
Indonesia	IDN	Year 2020	Sub-national/Annual	273524.00	8.09	130.88	73.50	189.65
India	IND	Year 2020	Sub-national/Annual	1380004.00	10.78	60.33	27.89	95.34
Ireland	IRL	Year 2020	Full national	4938.00	46.09	8.54	-0.53	17.15
Iran (Islamic Republic of)	IRN	Year 2020	Full national	83993.00	65.59	129.68	123.79	135.03
Iraq	IRQ	Year 2020	Partial national	40223.00	31.84	100.44	93.01	107.40
Iceland	ISL	Year 2020	Full national	341.00	8.50	-0.75	-11.09	9.40
Israel	ISR	Year 2020	Full national	8656.00	38.55	28.09	21.07	34.57
Italy	ITA	Year 2020	Full national	60462.00	121.74	166.11	149.94	183.30
Jamaica	JAM	Year 2020	Partial national	2961.00	10.20	-30.47	-45.71	-11.50
Jordan	JOR	Year 2020	Partial national	10203.00	37.39	35.68	29.96	41.03
Japan	JPN	Year 2020	Full national	126476.00	2.70	-23.83	-32.17	-15.81
Kazakhstan	KAZ	Year 2020	Full national	18777.00	14.64	151.75	143.70	159.79
Kenya	KEN	Year 2020	Full national	53771.00	3.10	-23.27	-24.27	-22.25
Kyrgyzstan	KGZ	Year 2020	Full national	6524.00	20.77	101.88	94.59	109.40
Cambodia	KHM	Year 2020	No observed data	16719.00	0.00	3.81	-41.91	49.92
Kiribati	KIR	Year 2020	No observed data	119.00	0.00	-25.88	-130.83	84.65
Saint Kitts and Nevis	KNA	Year 2020	Sub-national/Annual	53.00	0.00	-246.32	-285.45	-206.36
Republic of Korea	KOR	Year 2020	Full national	51269.00	1.76	0.48	-5.95	6.62
Kuwait	KWT	Year 2020	Partial national	4271.00	21.85	74.40	71.37	77.24
Lao People's Democratic Republic	LAO	Year 2020	No observed data	7276.00	0.00	-3.77	-45.55	42.86
Lebanon	LBN	Year 2020	Full national	6825.00	21.14	50.00	38.11	61.95
Liberia	LBR	Year 2020	No observed data	5058.00	1.64	26.77	-36.00	88.82
Libya	LBY	Year 2020	No observed data	6871.00	21.23	27.12	-5.60	63.24
Saint Lucia	LCA	Year 2020	No observed data	184.00	2.72	-59.90	-138.59	15.07
Sri Lanka	LKA	Year 2020	Sub-national/Annual	21413.00	0.95	-81.06	-95.59	-65.51
Lesotho	LSO	Year 2020	No observed data	2142.00	2.33	9.39	-109.55	136.87
Lithuania	LTU	Year 2020	Full national	2722.00	66.12	244.33	225.55	264.37
Luxembourg	LUX	Year 2020	Full national	626.00	78.12	24.26	11.75	36.31
Latvia	LVA	Year 2020	Full national	1886.00	33.19	52.28	29.23	73.94
Morocco	MAR	Year 2020	No observed data	36911.00	19.93	40.95	-16.20	99.05
Monaco	MCO	Year 2020	Full national	39.00	7.64	26.04	-37.49	87.47
Republic of Moldova	MDA	Year 2020	Full national	4034.00	77.10	125.63	106.47	145.95
Madagascar	MDG	Year 2020	No observed data	27691.00	0.94	28.80	-21.25	85.38

... Table 4 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Maldives	MDV	Year 2020	Partial national	541.00	8.88	0.55	-5.59	6.33
Mexico	MEX	Year 2020	Full national	128933.00	114.50	243.96	237.29	250.60
Marshall Islands	MHL	Year 2020	No observed data	59.00	0.00	-72.10	-149.10	12.57
North Macedonia	MKD	Year 2020	Full national	2083.00	119.42	274.20	251.91	294.93
Mali	MLI	Year 2020	No observed data	20251.00	1.33	61.57	-2.38	129.47
Malta	MLT	Year 2020	Full national	442.00	50.51	59.64	41.77	79.14
Myanmar	MMR	Year 2020	No observed data	54410.00	4.93	1.38	-49.35	56.22
Montenegro	MNE	Year 2020	Partial national	628.00	107.79	138.58	112.42	165.33
Mongolia	MNG	Year 2020	Full national	3278.00	0.03	-72.70	-80.53	-65.44
Mozambique	MOZ	Year 2020	No observed data	31255.00	0.52	18.29	-44.47	89.78
Mauritania	MRT	Year 2020	No observed data	4650.00	6.97	64.35	16.48	117.34
Mauritius	MUS	Year 2020	Full national	1272.00	0.79	-37.09	-49.27	-24.88
Malawi	MWI	Year 2020	No observed data	19130.00	0.99	16.15	-25.34	60.60
Malaysia	MYS	Year 2020	Partial national	32366.00	1.43	-46.63	-51.09	-42.18
Namibia	NAM	Year 2020	No observed data	2541.00	7.71	35.26	-18.23	92.67
Niger	NER	Year 2020	No observed data	24207.00	0.40	65.84	1.13	129.44
Nigeria	NGA	Year 2020	No observed data	206140.00	0.62	29.39	-37.30	93.21
Nicaragua	NIC	Year 2020	Partial national	6625.00	2.49	138.37	113.03	168.53
Niue	NIU	Year 2020	No observed data	2.00	0.00	-154.76	-603.25	353.32
Netherlands	NLD	Year 2020	Full national	17135.00	65.94	84.51	73.47	94.69
Norway	NOR	Year 2020	Full national	5421.00	7.99	-10.97	-18.48	-4.27
Nepal	NPL	Year 2020	No observed data	29137.00	9.47	27.36	-15.38	74.67
Nauru	NRU	Year 2020	No observed data	11.00	0.00	-7.21	-147.57	152.35
New Zealand	NZL	Year 2020	Full national	4822.00	0.52	-42.82	-49.99	-35.95
Oman	OMN	Year 2020	Full national	5107.00	29.31	80.58	74.41	86.68
Pakistan	PAK	Year 2020	No observed data	220892.00	4.55	42.35	-16.32	104.92
Panama	PAN	Year 2020	Partial national	4315.00	91.15	69.47	64.31	74.39
Peru	PER	Year 2020	Full national	32972.00	282.26	405.85	398.28	413.05
Philippines	PHL	Year 2020	Partial national	109581.00	8.42	-36.64	-41.50	-32.01
Palau	PLW	Year 2020	No observed data	18.00	0.00	-108.68	-274.21	68.67
Papua New Guinea	PNG	Year 2020	No observed data	8947.00	0.10	-20.23	-70.14	30.95
Poland	POL	Year 2020	Full national	37847.00	75.68	160.35	148.00	173.42
Democratic People's Republic of Korea	PRK	Year 2020	No observed data	25779.00	0.00	-21.77	-91.79	53.83
Portugal	PRT	Year 2020	Full national	10197.00	66.98	97.17	75.32	118.45
Paraguay	PRY	Year 2020	Full national	7133.00	31.13	33.80	25.86	42.02
Qatar	QAT	Year 2020	Full national	2881.00	8.50	24.88	22.75	27.06
Romania	ROU	Year 2020	Full national	19238.00	81.07	181.91	163.47	199.73
Russian Federation	RUS	Year 2020	Full national	145934.00	39.07	253.06	241.02	264.79
Rwanda	RWA	Year 2020	No observed data	12952.00	0.66	-2.85	-40.19	35.72

... Table 4 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Saudi Arabia	SAU	Year 2020	No observed data	34814.00	17.85	36.27	-0.55	72.04
Sudan	SDN	Year 2020	No observed data	43849.00	3.56	32.44	-13.30	78.93
Senegal	SEN	Year 2020	No observed data	16744.00	2.40	28.94	-8.95	70.99
Singapore	SGP	Year 2020	Full national	5850.00	0.50	-0.52	-5.33	4.34
Solomon Islands	SLB	Year 2020	No observed data	687.00	0.00	-10.14	-68.22	46.42
Sierra Leone	SLE	Year 2020	No observed data	7977.00	0.95	44.71	-20.91	117.25
El Salvador	SLV	Year 2020	Partial national	6486.00	20.46	115.73	73.90	164.17
San Marino	SMR	Year 2020	Full national	34.00	173.85	325.53	288.25	362.03
Somalia	SOM	Year 2020	No observed data	15893.00	0.82	81.28	-3.83	179.41
Serbia	SRB	Year 2020	Full national	8737.00	36.20	196.53	174.14	218.60
South Sudan	SSD	Year 2020	No observed data	11194.00	0.56	25.00	-38.60	87.70
Sao Tome and Principe	STP	Year 2020	No observed data	219.00	7.76	32.30	-14.33	78.38
Suriname	SUR	Year 2020	Full national	587.00	20.46	-48.88	-58.11	-39.40
Slovakia	SVK	Year 2020	Full national	5460.00	39.16	100.05	86.46	113.61
Slovenia	SVN	Year 2020	Full national	2079.00	142.14	160.93	143.12	178.20
Sweden	SWE	Year 2020	Full national	10099.00	95.55	84.18	75.14	92.26
Eswatini	SWZ	Year 2020	No observed data	1160.00	15.95	79.06	-6.72	163.20
Seychelles	SYC	Year 2020	Partial national	98.00	0.00	-175.74	-196.45	-155.19
Syrian Arab Republic	SYR	Year 2020	No observed data	17501.00	4.02	9.34	-40.60	61.79
Chad	TCD	Year 2020	No observed data	16426.00	0.63	42.55	-30.13	115.47
Togo	TGO	Year 2020	Full national	8279.00	0.82	-63.03	-65.65	-60.10
Thailand	THA	Year 2020	Full national	69800.00	0.09	-22.36	-33.70	-11.12
Tajikistan	TJK	Year 2020	Partial national	9538.00	0.94	142.13	130.95	153.06
Turkmenistan	TKM	Year 2020	No observed data	6031.00	0.00	13.02	-35.30	63.27
Timor-Leste	TLS	Year 2020	No observed data	1318.00	0.00	3.30	-41.39	53.37
Tonga	TON	Year 2020	No observed data	106.00	0.00	-21.96	-84.65	42.65
Trinidad and Tobago	TTO	Year 2020	No observed data	1399.00	9.00	6.58	-52.83	65.27
Tunisia	TUN	Year 2020	Partial national	11819.00	39.09	26.59	16.43	36.83
Turkey	TUR	Year 2020	Sub-national/Annual	84339.00	24.48	149.86	128.74	172.35
Tuvalu	TUV	Year 2020	No observed data	12.00	0.00	-50.44	-212.37	124.11
United Republic of Tanzania	TZA	Year 2020	No observed data	59734.00	0.04	24.66	-17.88	66.65
Uganda	UGA	Year 2020	No observed data	45741.00	0.66	6.18	-29.90	44.12
Ukraine	UKR	Year 2020	Full national	43734.00	42.38	103.73	84.59	122.25
Uruguay	URY	Year 2020	Full national	3474.00	4.84	-64.64	-77.58	-51.36
United States of America	USA	Year 2020	Full national	331003.00	106.29	140.70	131.74	149.11
Uzbekistan	UZB	Year 2020	Full national	33469.00	1.83	68.16	53.14	82.84
Saint Vincent and the Grenadines	VCT	Year 2020	Sub-national/Annual	111.00	0.00	95.56	79.61	110.89
Venezuela (Bolivarian Republic of)	VEN	Year 2020	No observed data	28436.00	3.59	12.81	-40.10	67.09
Viet Nam	VNM	Year 2020	Sub-national/Annual	97339.00	0.04	-60.28	-61.23	-59.35

... Table 4 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Vanuatu	VUT	Year 2020	No observed data	307.00	0.00	-23.59	-86.27	40.71
Samoa	WSM	Year 2020	No observed data	198.00	0.00	-28.37	-85.11	30.24
Yemen	YEM	Year 2020	No observed data	29826.00	2.05	48.31	0.11	103.39
South Africa	ZAF	Year 2020	Full national	59309.00	47.27	91.73	82.88	100.28
Zambia	ZMB	Year 2020	No observed data	18384.00	2.10	28.80	-22.98	82.00
Zimbabwe	ZWE	Year 2020	No observed data	14863.00	2.43	9.93	-46.46	71.60
Global	NA	Year 2020	NA	7758157.00	24.48	57.78	50.72	65.32
AFRO	NA	Year 2020	NA	1120161.00	3.76	32.99	14.73	50.30
AMRO	NA	Year 2020	NA	1018121.00	93.17	134.39	130.45	138.53
EMRO	NA	Year 2020	NA	725721.00	16.45	61.47	41.05	82.02
EURO	NA	Year 2020	NA	932888.00	62.68	142.16	138.20	146.13
SEARO	NA	Year 2020	NA	2021387.00	9.11	59.69	36.04	84.39
WPRO	NA	Year 2020	NA	1939879.00	1.02	-12.07	-13.07	-11.10
LIC	NA	Year 2020	NA	665149.00	1.48	29.86	11.84	47.43
LMIC	NA	Year 2020	NA	3324112.00	9.69	52.97	37.57	69.55
UMIC	NA	Year 2020	NA	2563574.00	28.48	58.06	56.79	59.37
HIC	NA	Year 2020	NA	1205322.00	69.44	85.84	82.26	89.45

Table 5: For year 2021. Showing location name, ISO3C code, period, data type, person-years in thousands, total reported COVID-19 deaths per 100,000 population, total estimated excess deaths per 100,000 population (mean and uncertainty interval).

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Afghanistan	AFG	Year 2021	No observed data	39835.00	12.97	63.11	8.64	120.48
Angola	AGO	Year 2021	No observed data	33934.00	3.98	51.12	-1.58	109.80
Albania	ALB	Year 2021	Full national	2873.00	71.04	247.85	216.64	276.28
Andorra	AND	Year 2021	Partial national	77.00	72.39	184.86	-21.59	415.58
United Arab Emirates	ARE	Year 2021	No observed data	9991.00	14.98	14.02	-5.68	34.60
Argentina	ARG	Year 2021	Sub-national/Annual	45606.00	162.46	127.59	69.74	187.37
Armenia	ARM	Year 2021	Full national	2968.00	173.48	328.32	311.72	343.97
Antigua and Barbuda	ATG	Year 2021	Partial national	99.00	114.46	27.42	-127.52	191.51
Australia	AUS	Year 2021	Full national	25788.00	5.11	-25.59	-38.13	-13.94
Austria	AUT	Year 2021	Full national	9043.00	78.10	59.76	43.47	75.49
Azerbaijan	AZE	Year 2021	Full national	10223.00	56.45	287.88	268.14	306.93
Burundi	BDI	Year 2021	No observed data	12255.00	0.10	42.77	-13.13	103.98
Belgium	BEL	Year 2021	Full national	11632.00	74.18	8.17	-7.96	24.42
Benin	BEN	Year 2021	No observed data	12451.00	0.94	63.61	1.60	135.46
Burkina Faso	BFA	Year 2021	No observed data	21497.00	1.10	69.71	10.83	132.07
Bangladesh	BGD	Year 2021	No observed data	166303.00	12.33	56.96	16.42	102.53
Bulgaria	BGR	Year 2021	Full national	6897.00	338.93	588.91	564.54	614.17
Bahrain	BHR	Year 2021	No observed data	1748.00	59.60	24.01	-4.16	52.86
Bahamas	BHS	Year 2021	No observed data	397.00	137.56	168.16	92.55	252.76
Bosnia and Herzegovina	BIH	Year 2021	Full national	3263.00	287.36	320.14	284.88	353.38
Belarus	BLR	Year 2021	Partial national	9443.00	43.92	264.52	152.20	395.90
Belize	BLZ	Year 2021	Partial national	405.00	87.92	142.00	51.64	242.25
Bolivia (Plurinational State of)	BOL	Year 2021	Full national	11833.00	88.86	437.19	430.76	444.06
Brazil	BRA	Year 2021	Full national	213993.00	199.14	219.85	215.09	224.81
Barbados	BRB	Year 2021	Partial national	288.00	87.94	-33.35	-119.99	75.16
Brunei Darussalam	BRN	Year 2021	Partial national	442.00	12.23	2.90	-86.02	95.12
Bhutan	BTN	Year 2021	No observed data	780.00	0.38	-23.74	-71.21	28.97
Botswana	BWA	Year 2021	No observed data	2397.00	100.07	299.67	213.20	388.83
Central African Republic	CAF	Year 2021	No observed data	4920.00	0.77	78.93	-11.74	180.18
Canada	CAN	Year 2021	Partial national	38068.00	38.57	13.69	-21.25	52.53
Switzerland	CHE	Year 2021	Full national	8715.00	50.31	8.11	-3.56	20.67
Chile	CHL	Year 2021	Full national	19212.00	117.62	125.54	119.55	131.12
China	CHN	Year 2021	Sub-national/Annual	1452427.00	0.06	1.62	0.77	2.51
Côte d'Ivoire	CIV	Year 2021	No observed data	27054.00	2.13	64.80	4.91	124.22
Cameroon	CMR	Year 2021	No observed data	27224.00	5.15	85.24	24.83	145.00
Democratic Republic of the Congo	COD	Year 2021	No observed data	92378.00	0.67	87.19	21.73	156.29
Congo	COG	Year 2021	No observed data	5657.00	4.72	56.32	3.68	115.28

... Table 5 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Cook Islands	COK	Year 2021	No observed data	18.00	0.00	-96.00	-254.93	71.99
Colombia	COL	Year 2021	Full national	51266.00	170.18	215.90	213.00	218.97
Comoros	COM	Year 2021	No observed data	888.00	16.77	63.82	14.89	118.16
Cabo Verde	CPV	Year 2021	No observed data	562.00	42.71	106.57	50.54	162.93
Costa Rica	CRI	Year 2021	Partial national	5139.00	101.15	161.31	96.30	232.32
Cuba	CUB	Year 2021	Partial national	11317.00	72.25	162.52	53.08	281.90
Cyprus	CYP	Year 2021	Full national	1216.00	43.11	67.13	50.75	82.48
Czechia	CZE	Year 2021	Full national	10725.00	227.50	219.97	202.69	238.63
Germany	DEU	Year 2021	Full national	83900.00	93.99	152.79	120.47	185.17
Djibouti	DJI	Year 2021	No observed data	1002.00	12.77	106.16	44.05	175.37
Dominica	DMA	Year 2021	No observed data	72.00	62.35	96.49	-26.31	218.21
Denmark	DNK	Year 2021	Full national	5813.00	33.34	56.20	40.85	71.73
Dominican Republic	DOM	Year 2021	Partial national	10954.00	16.77	98.58	33.75	170.03
Algeria	DZA	Year 2021	Partial national	44617.00	7.89	30.76	-13.09	77.04
Ecuador	ECU	Year 2021	Full national	17888.00	109.82	192.67	183.26	202.77
Egypt	EGY	Year 2021	Partial national	104258.00	13.57	153.61	129.78	179.94
Eritrea	ERI	Year 2021	No observed data	3601.00	2.05	58.80	-5.18	121.61
Spain	ESP	Year 2021	Full national	46745.00	79.05	67.09	51.95	83.79
Estonia	EST	Year 2021	Full national	1325.00	128.51	232.02	210.29	254.25
Ethiopia	ETH	Year 2021	No observed data	117876.00	4.25	64.58	19.47	107.26
Finland	FIN	Year 2021	Full national	5548.00	20.46	38.03	25.98	49.06
Fiji	FJI	Year 2021	No observed data	903.00	77.09	73.51	-3.36	154.21
France	FRA	Year 2021	Full national	65426.00	87.06	49.94	36.83	63.43
Micronesia (Federated States of)	FSM	Year 2021	No observed data	116.00	0.00	-41.17	-130.22	50.12
Gabon	GAB	Year 2021	No observed data	2279.00	9.83	58.10	6.53	111.42
The United Kingdom	GBR	Year 2021	Full national	68207.00	109.21	92.94	77.88	109.38
Georgia	GEO	Year 2021	Partial national	3980.00	283.81	474.75	352.03	620.63
Ghana	GHA	Year 2021	No observed data	31732.00	3.00	45.53	-2.16	92.97
Guinea	GIN	Year 2021	No observed data	13497.00	2.30	63.71	-2.05	131.11
Gambia	GMB	Year 2021	No observed data	2487.00	8.81	76.54	26.35	131.13
Guinea-Bissau	GNB	Year 2021	No observed data	2015.00	5.16	86.49	19.85	152.85
Equatorial Guinea	GNQ	Year 2021	No observed data	1450.00	6.14	70.64	10.16	132.93
Greece	GRC	Year 2021	Full national	10371.00	153.51	148.02	128.48	168.92
Grenada	GRD	Year 2021	Sub-national/Annual	113.00	176.08	-12.11	-239.83	259.05
Guatemala	GTM	Year 2021	Full national	18250.00	61.91	222.73	217.21	227.93
Guyana	GUY	Year 2021	No observed data	790.00	112.23	305.63	193.46	420.23
Honduras	HND	Year 2021	No observed data	10063.00	72.77	152.81	92.13	213.92
Croatia	HRV	Year 2021	Full national	4082.00	211.51	285.99	262.62	309.13
Haiti	HTI	Year 2021	No observed data	11542.00	4.59	58.43	-119.00	239.90

... Table 5 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Hungary	HUN	Year 2021	Full national	9634.00	307.75	263.91	240.30	285.67
Indonesia	IDN	Year 2021	Sub-national/Annual	276362.00	44.13	242.64	183.14	303.38
India	IND	Year 2021	Sub-national/Annual	1393409.00	23.85	280.49	191.79	394.85
Ireland	IRL	Year 2021	Full national	4983.00	76.22	50.18	40.22	60.42
Iran (Islamic Republic of)	IRN	Year 2021	Full national	85029.00	89.94	144.93	136.71	152.38
Iraq	IRQ	Year 2021	Partial national	41179.00	27.55	63.95	20.90	114.42
Iceland	ISL	Year 2021	Full national	343.00	2.33	-2.35	-14.53	10.59
Israel	ISR	Year 2021	Full national	8790.00	55.97	42.61	34.06	51.14
Italy	ITA	Year 2021	Full national	60367.00	105.43	100.00	81.06	119.87
Jamaica	JAM	Year 2021	Partial national	2973.00	72.91	151.16	71.59	240.62
Jordan	JOR	Year 2021	Partial national	10269.00	85.74	80.71	43.95	119.66
Japan	JPN	Year 2021	Full national	126051.00	11.88	8.46	-1.31	18.00
Kazakhstan	KAZ	Year 2021	Full national	18995.00	81.48	251.23	240.90	260.97
Kenya	KEN	Year 2021	Full national	54986.00	6.75	45.22	43.62	46.84
Kyrgyzstan	KGZ	Year 2021	Full national	6628.00	21.83	85.49	74.52	96.30
Cambodia	KHM	Year 2021	No observed data	16946.00	17.77	70.10	20.89	122.46
Kiribati	KIR	Year 2021	No observed data	121.00	0.00	-11.93	-114.50	95.54
Saint Kitts and Nevis	KNA	Year 2021	Sub-national/Annual	54.00	52.29	-142.58	-459.68	295.07
Republic of Korea	KOR	Year 2021	Full national	51305.00	9.09	11.77	4.19	19.07
Kuwait	KWT	Year 2021	Partial national	4329.00	35.46	24.54	-1.53	51.77
Lao People's Democratic Republic	LAO	Year 2021	No observed data	7379.00	4.88	27.52	-16.22	77.34
Lebanon	LBN	Year 2021	Full national	6769.00	113.15	223.18	207.47	237.35
Liberia	LBR	Year 2021	No observed data	5180.00	3.94	51.92	-9.70	123.04
Libya	LBY	Year 2021	No observed data	6959.00	60.89	86.20	43.74	127.44
Saint Lucia	LCA	Year 2021	No observed data	184.00	157.27	260.25	158.18	362.42
Sri Lanka	LKA	Year 2021	Sub-national/Annual	21497.00	68.73	39.66	-25.59	110.06
Lesotho	LSO	Year 2021	No observed data	2159.00	28.48	175.11	35.22	325.41
Lithuania	LTU	Year 2021	Full national	2690.00	208.08	394.19	372.53	415.95
Luxembourg	LUX	Year 2021	Full national	635.00	67.11	-12.98	-28.36	0.95
Latvia	LVA	Year 2021	Full national	1867.00	210.77	357.92	328.98	386.42
Morocco	MAR	Year 2021	No observed data	37345.00	20.05	52.58	-3.91	109.72
Monaco	MCO	Year 2021	Full national	40.00	88.56	135.74	30.99	231.81
Republic of Moldova	MDA	Year 2021	Full national	4024.00	177.91	325.29	300.88	347.76
Madagascar	MDG	Year 2021	No observed data	28427.00	2.69	61.94	9.15	117.74
Maldives	MDV	Year 2021	Partial national	544.00	39.37	44.67	17.60	76.12
Mexico	MEX	Year 2021	Full national	130262.00	119.08	239.27	230.57	248.12
Marshall Islands	MHL	Year 2021	No observed data	60.00	0.00	-61.59	-140.34	24.66
North Macedonia	MKD	Year 2021	Full national	2083.00	263.03	463.10	437.34	488.05
Mali	MLI	Year 2021	No observed data	20856.00	1.87	71.17	11.22	134.85

... Table 5 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Malta	MLT	Year 2021	Full national	443.00	57.14	48.18	25.74	69.86
Myanmar	MMR	Year 2021	No observed data	54806.00	30.26	79.26	17.15	145.77
Montenegro	MNE	Year 2021	Partial national	628.00	274.50	483.95	409.74	570.56
Mongolia	MNG	Year 2021	Full national	3329.00	59.62	71.71	62.26	81.76
Mozambique	MOZ	Year 2021	No observed data	32163.00	5.64	115.08	36.22	192.77
Mauritania	MRT	Year 2021	No observed data	4775.00	11.29	82.83	32.18	134.43
Mauritius	MUS	Year 2021	Full national	1273.00	60.94	111.00	96.90	124.97
Malawi	MWI	Year 2021	No observed data	19648.00	11.02	71.37	28.74	118.90
Malaysia	MYS	Year 2021	Partial national	32776.00	94.58	69.03	39.05	101.11
Namibia	NAM	Year 2021	No observed data	2587.00	132.18	265.02	195.51	343.50
Niger	NER	Year 2021	No observed data	25131.00	0.71	73.22	14.47	136.85
Nigeria	NGA	Year 2021	No observed data	211401.00	0.83	59.53	-6.22	127.73
Nicaragua	NIC	Year 2021	Partial national	6702.00	0.78	43.70	-7.60	98.34
Niue	NIU	Year 2021	No observed data	2.00	0.00	-153.06	-626.28	340.50
Netherlands	NLD	Year 2021	Full national	17173.00	55.84	85.78	72.69	98.36
Norway	NOR	Year 2021	Full national	5466.00	17.33	9.03	0.44	17.44
Nepal	NPL	Year 2021	No observed data	29675.00	29.78	82.70	30.59	138.50
Nauru	NRU	Year 2021	No observed data	11.00	0.00	-6.23	-154.03	156.87
New Zealand	NZL	Year 2021	Full national	4861.00	0.53	-12.60	-20.21	-5.20
Oman	OMN	Year 2021	Full national	5223.00	50.14	141.37	133.17	149.40
Pakistan	PAK	Year 2021	No observed data	225200.00	8.38	60.79	3.11	123.34
Panama	PAN	Year 2021	Partial national	4382.00	79.70	106.01	88.95	124.67
Peru	PER	Year 2021	Full national	33359.00	328.30	467.19	457.26	477.07
Philippines	PHL	Year 2021	Partial national	111047.00	37.95	202.98	185.11	223.14
Palau	PLW	Year 2021	No observed data	18.00	0.00	-114.06	-289.63	58.96
Papua New Guinea	PNG	Year 2021	No observed data	9119.00	6.37	28.20	-21.10	82.98
Poland	POL	Year 2021	Full national	37797.00	181.01	256.22	241.28	271.27
Democratic People's Republic of Korea	PRK	Year 2021	No observed data	25887.00	0.00	-5.74	-85.29	79.73
Portugal	PRT	Year 2021	Full national	10168.00	119.07	103.65	80.93	126.70
Paraguay	PRY	Year 2021	Full national	7220.00	199.51	241.10	230.10	251.96
Qatar	QAT	Year 2021	Full national	2931.00	12.69	28.06	25.44	30.52
Romania	ROU	Year 2021	Full national	19128.00	225.42	375.98	354.19	398.07
Russian Federation	RUS	Year 2021	Full national	145912.00	172.60	481.81	468.69	496.16
Rwanda	RWA	Year 2021	No observed data	13277.00	9.51	43.47	3.04	87.87
Saudi Arabia	SAU	Year 2021	No observed data	35341.00	7.53	13.93	-20.05	48.21
Sudan	SDN	Year 2021	No observed data	44909.00	3.95	52.94	6.66	100.90
Senegal	SEN	Year 2021	No observed data	17196.00	8.65	67.80	25.80	110.76
Singapore	SGP	Year 2021	Full national	5897.00	13.53	25.53	19.15	32.32
Solomon Islands	SLB	Year 2021	No observed data	704.00	0.00	1.35	-56.49	60.48

... Table 5 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Sierra Leone	SLE	Year 2021	No observed data	8141.00	0.58	53.04	-12.87	126.22
El Salvador	SLV	Year 2021	Partial national	6518.00	38.29	146.18	56.07	252.32
San Marino	SMR	Year 2021	Full national	34.00	117.61	176.55	129.86	223.55
Somalia	SOM	Year 2021	No observed data	16360.00	7.35	137.79	48.35	228.73
Serbia	SRB	Year 2021	Full national	8698.00	109.51	442.33	418.19	468.19
South Sudan	SSD	Year 2021	No observed data	11381.00	0.63	55.95	-5.24	124.15
Sao Tome and Principe	STP	Year 2021	No observed data	223.00	17.91	53.77	5.73	105.01
Suriname	SUR	Year 2021	Full national	592.00	180.64	171.22	145.10	201.04
Slovakia	SVK	Year 2021	Full national	5461.00	265.48	345.34	329.59	360.77
Slovenia	SVN	Year 2021	Full national	2079.00	152.21	107.58	83.36	132.22
Sweden	SWE	Year 2021	Full national	10160.00	56.25	27.09	16.68	37.86
Eswatini	SWZ	Year 2021	No observed data	1172.00	95.02	247.62	153.76	350.15
Seychelles	SYC	Year 2021	Partial national	99.00	127.39	181.74	58.42	317.04
Syrian Arab Republic	SYR	Year 2021	No observed data	18276.00	11.98	31.08	-21.70	87.54
Chad	TCD	Year 2021	No observed data	16915.00	0.46	72.48	-5.96	157.29
Togo	TGO	Year 2021	Full national	8478.00	2.12	-20.89	-24.53	-17.30
Thailand	THA	Year 2021	Full national	69951.00	30.93	44.18	26.16	61.87
Tajikistan	TJK	Year 2021	Partial national	9750.00	0.36	-5.61	-60.06	50.85
Turkmenistan	TKM	Year 2021	No observed data	6118.00	0.00	-2.19	-49.58	53.24
Timor-Leste	TLS	Year 2021	No observed data	1344.00	9.08	47.59	-4.79	101.70
Tonga	TON	Year 2021	No observed data	107.00	0.00	-12.65	-73.46	55.45
Trinidad and Tobago	TTO	Year 2021	No observed data	1403.00	192.32	138.16	67.76	210.79
Tunisia	TUN	Year 2021	Partial national	11936.00	175.47	173.25	105.03	243.41
Turkey	TUR	Year 2021	Sub-national/Annual	85043.00	72.38	161.86	140.52	186.61
Tuvalu	TUV	Year 2021	No observed data	12.00	0.00	-41.94	-215.98	147.69
United Republic of Tanzania	TZA	Year 2021	No observed data	61498.00	1.16	41.14	-7.35	88.27
Uganda	UGA	Year 2021	No observed data	47124.00	6.35	37.54	-2.04	79.70
Ukraine	UKR	Year 2021	Full national	43467.00	177.99	351.67	330.88	372.99
Uruguay	URY	Year 2021	Full national	3485.00	172.16	153.55	137.40	169.54
United States of America	USA	Year 2021	Full national	332915.00	140.16	140.20	129.24	150.93
Uzbekistan	UZB	Year 2021	Full national	33936.00	2.57	65.05	46.78	83.50
Saint Vincent and the Grenadines	VCT	Year 2021	Sub-national/Annual	111.00	74.59	347.40	48.34	715.41
Venezuela (Bolivarian Republic of)	VEN	Year 2021	No observed data	28705.00	14.98	65.09	13.19	118.25
Viet Nam	VNM	Year 2021	Sub-national/Annual	98169.00	32.73	53.45	-137.91	286.83
Vanuatu	VUT	Year 2021	No observed data	314.00	0.00	-1.24	-62.44	64.07
Samoa	WSM	Year 2021	No observed data	200.00	0.00	-16.14	-69.37	44.66
Yemen	YEM	Year 2021	No observed data	30491.00	4.50	63.58	11.65	117.28
South Africa	ZAF	Year 2021	Full national	60042.00	104.97	306.90	297.39	315.88
Zambia	ZMB	Year 2021	No observed data	18921.00	17.67	96.50	39.02	152.40

... Table 5 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.uppr
Zimbabwe	ZWE	Year 2021	No observed data	15092.00	30.72	113.67	52.90	181.73
Global	NA	Year 2021	NA	7838151.00	44.93	133.04	116.50	154.15
AFRO	NA	Year 2021	NA	1148919.00	9.87	76.51	57.46	95.00
AMRO	NA	Year 2021	NA	1026162.00	142.28	181.24	175.70	187.29
EMRO	NA	Year 2021	NA	739379.00	25.91	85.20	64.40	106.71
EURO	NA	Year 2021	NA	935011.00	116.06	205.82	200.60	211.01
SEARO	NA	Year 2021	NA	2040558.00	26.32	234.26	172.61	312.96
WPRO	NA	Year 2021	NA	1948122.00	6.91	18.19	8.69	29.77
LIC	NA	Year 2021	NA	683006.00	4.17	64.33	44.29	85.17
LMIC	NA	Year 2021	NA	3368779.00	25.56	181.32	142.45	229.57
UMIC	NA	Year 2021	NA	2576751.00	59.55	106.79	104.49	109.20
HIC	NA	Year 2021	NA	1209615.00	90.77	93.29	88.52	98.06

Table 6: For both years 2020 and 2021. Showing location name, ISO3C code, period, data type, person-years in thousands, total reported COVID-19 deaths per 100,000 population, total estimated excess deaths per 100,000 population (mean and uncertainty interval).

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Afghanistan	AFG	2020 and 2021	No observed data	78764.00	9.34	56.54	18.13	96.0
Angola	AGO	2020 and 2021	No observed data	66800.00	2.63	33.96	-4.03	74.5
Albania	ALB	2020 and 2021	Full national	5751.00	55.91	220.64	201.27	238.4
Andorra	AND	2020 and 2021	Partial national	155.00	90.55	242.27	137.32	357.1
United Arab Emirates	ARE	2020 and 2021	No observed data	19881.00	10.87	11.72	-1.82	25.8
Argentina	ARG	2020 and 2021	Sub-national/Annual	90802.00	128.97	98.99	68.77	131.3
Armenia	ARM	2020 and 2021	Full national	5931.00	134.40	331.51	321.20	342.2
Antigua and Barbuda	ATG	2020 and 2021	Partial national	197.00	60.00	-15.21	-93.73	69.4
Australia	AUS	2020 and 2021	Full national	51288.00	4.34	-27.79	-35.34	-20.4
Austria	AUT	2020 and 2021	Full national	18049.00	74.07	66.14	55.84	76.0
Azerbaijan	AZE	2020 and 2021	Full national	20363.00	40.99	279.97	267.00	292.4
Burundi	BDI	2020 and 2021	No observed data	24146.00	0.06	38.67	-3.36	79.1
Belgium	BEL	2020 and 2021	Full national	23222.00	122.24	77.16	66.18	87.7
Benin	BEN	2020 and 2021	No observed data	24574.00	0.66	48.24	3.84	97.0
Burkina Faso	BFA	2020 and 2021	No observed data	42400.00	0.75	52.26	11.48	94.5
Bangladesh	BGD	2020 and 2021	No observed data	330993.00	8.48	42.53	15.00	71.8
Bulgaria	BGR	2020 and 2021	Full national	13845.00	223.11	415.27	398.61	431.7
Bahrain	BHR	2020 and 2021	No observed data	3450.00	40.41	19.30	0.13	39.0
Bahamas	BHS	2020 and 2021	No observed data	790.00	90.61	126.89	72.64	180.2
Bosnia and Herzegovina	BIH	2020 and 2021	Full national	6544.00	205.19	240.15	218.88	259.9
Belarus	BLR	2020 and 2021	Partial national	18892.00	29.44	258.80	199.99	325.5
Belize	BLZ	2020 and 2021	Partial national	803.00	74.39	86.87	41.02	137.4
Bolivia (Plurinational State of)	BOL	2020 and 2021	Full national	23506.00	83.60	374.50	369.97	379.0
Brazil	BRA	2020 and 2021	Full national	426553.00	145.07	159.71	156.75	162.7
Barbados	BRB	2020 and 2021	Partial national	575.00	45.21	-61.88	-109.17	-6.6
Brunei Darussalam	BRN	2020 and 2021	Partial national	879.00	6.48	-12.52	-59.41	33.6
Bhutan	BTN	2020 and 2021	No observed data	1552.00	0.19	-25.59	-60.71	10.0
Botswana	BWA	2020 and 2021	No observed data	4749.00	51.36	156.09	99.85	212.2
Central African Republic	CAF	2020 and 2021	No observed data	9750.00	1.04	64.07	-2.86	134.6
Canada	CAN	2020 and 2021	Partial national	75810.00	39.52	29.05	11.37	48.0
Switzerland	CHE	2020 and 2021	Full national	17370.00	68.52	47.48	39.85	55.5
Chile	CHL	2020 and 2021	Full national	38329.00	102.00	100.96	97.39	104.8
China	CHN	2020 and 2021	Sub-national/Annual	2899897.00	0.20	-1.80	-2.37	-1.2
Côte d'Ivoire	CIV	2020 and 2021	No observed data	53432.00	1.33	47.60	7.47	90.5
Cameroon	CMR	2020 and 2021	No observed data	53770.00	3.44	65.69	22.24	110.1
Democratic Republic of the Congo	COD	2020 and 2021	No observed data	181939.00	0.66	64.72	16.20	112.2
Congo	COG	2020 and 2021	No observed data	11175.00	3.28	40.53	4.94	79.7

... Table 6 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Cook Islands	COK	2020 and 2021	No observed data	35.00	0.00	-101.84	-214.41	6.0
Colombia	COL	2020 and 2021	Full national	102149.00	127.13	161.28	158.97	163.3
Comoros	COM	2020 and 2021	No observed data	1758.00	8.99	41.15	7.75	75.8
Cabo Verde	CPV	2020 and 2021	No observed data	1118.00	31.49	82.89	43.37	120.4
Costa Rica	CRI	2020 and 2021	Partial national	10233.00	71.86	94.27	61.01	130.5
Cuba	CUB	2020 and 2021	Partial national	22644.00	36.75	80.20	25.06	140.5
Cyprus	CYP	2020 and 2021	Full national	2423.00	26.66	41.63	31.45	50.7
Czechia	CZE	2020 and 2021	Full national	21434.00	169.29	172.81	161.31	184.5
Germany	DEU	2020 and 2021	Full national	167684.00	66.75	116.28	96.30	136.5
Djibouti	DJI	2020 and 2021	No observed data	1990.00	9.50	88.80	43.56	135.6
Dominica	DMA	2020 and 2021	No observed data	144.00	31.21	10.44	-67.87	93.6
Denmark	DNK	2020 and 2021	Full national	11606.00	28.06	32.02	22.42	41.3
Dominican Republic	DOM	2020 and 2021	Partial national	21802.00	19.48	54.46	17.03	93.5
Algeria	DZA	2020 and 2021	Partial national	88468.00	7.09	78.66	56.59	102.5
Ecuador	ECU	2020 and 2021	Full national	35532.00	94.76	227.60	221.86	233.6
Egypt	EGY	2020 and 2021	Partial national	206593.00	10.52	121.54	108.20	136.1
Eritrea	ERI	2020 and 2021	No observed data	7148.00	1.05	33.76	-8.81	75.7
Spain	ESP	2020 and 2021	Full national	93500.00	97.33	111.16	100.56	121.4
Estonia	EST	2020 and 2021	Full national	2652.00	72.86	127.25	113.82	140.6
Ethiopia	ETH	2020 and 2021	No observed data	232840.00	2.97	44.45	11.76	76.4
Finland	FIN	2020 and 2021	Full national	11089.00	15.57	25.76	18.26	33.2
Fiji	FJI	2020 and 2021	No observed data	1799.00	38.79	-6.50	-55.49	44.8
France	FRA	2020 and 2021	Full national	130700.00	92.55	62.62	53.39	71.1
Micronesia (Federated States of)	FSM	2020 and 2021	No observed data	231.00	0.00	-47.87	-110.42	19.4
Gabon	GAB	2020 and 2021	No observed data	4505.00	6.39	35.57	0.40	71.3
The United Kingdom	GBR	2020 and 2021	Full national	136093.00	109.93	109.41	98.23	120.8
Georgia	GEO	2020 and 2021	Partial national	7969.00	173.17	307.00	245.64	380.0
Ghana	GHA	2020 and 2021	No observed data	62805.00	2.05	33.29	-0.48	66.2
Guinea	GIN	2020 and 2021	No observed data	26630.00	1.47	47.05	-0.14	96.9
Gambia	GMB	2020 and 2021	No observed data	4904.00	6.99	59.23	22.98	96.8
Guinea-Bissau	GNB	2020 and 2021	No observed data	3983.00	3.74	71.32	19.50	120.0
Equatorial Guinea	GNQ	2020 and 2021	No observed data	2853.00	6.13	60.27	15.92	105.6
Greece	GRC	2020 and 2021	Full national	20794.00	99.59	93.27	80.34	106.4
Grenada	GRD	2020 and 2021	Sub-national/Annual	226.00	88.68	-118.40	-234.98	22.3
Guatemala	GTM	2020 and 2021	Full national	36165.00	44.52	136.58	133.04	140.0
Guyana	GUY	2020 and 2021	No observed data	1577.00	66.65	178.27	107.93	250.8
Honduras	HND	2020 and 2021	No observed data	19968.00	52.25	113.49	74.38	153.5
Croatia	HRV	2020 and 2021	Full national	8187.00	152.60	209.80	194.08	224.3
Haiti	HTI	2020 and 2021	No observed data	22944.00	3.34	41.88	-80.32	158.6

... Table 6 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Hungary	HUN	2020 and 2021	Full national	19295.00	203.09	189.16	173.93	204.4
Indonesia	IDN	2020 and 2021	Sub-national/Annual	549885.00	26.20	187.05	136.53	233.9
India	IND	2020 and 2021	Sub-national/Annual	2773413.00	17.35	170.94	119.28	233.6
Ireland	IRL	2020 and 2021	Full national	9921.00	61.23	29.45	22.61	36.0
Iran (Islamic Republic of)	IRN	2020 and 2021	Full national	169022.00	77.84	137.35	132.55	142.0
Iraq	IRQ	2020 and 2021	Partial national	81402.00	29.67	81.98	60.28	106.1
Iceland	ISL	2020 and 2021	Full national	685.00	5.40	-1.55	-9.30	6.6
Israel	ISR	2020 and 2021	Full national	17445.00	47.33	35.41	30.07	40.3
Italy	ITA	2020 and 2021	Full national	120829.00	113.59	133.08	120.96	145.7
Jamaica	JAM	2020 and 2021	Partial national	5935.00	41.62	60.53	18.72	107.8
Jordan	JOR	2020 and 2021	Partial national	20472.00	61.64	58.27	39.78	77.9
Japan	JPN	2020 and 2021	Full national	252527.00	7.28	-7.71	-14.15	-1.6
Kazakhstan	KAZ	2020 and 2021	Full national	37772.00	48.26	201.78	195.19	208.3
Kenya	KEN	2020 and 2021	Full national	108757.00	4.94	11.36	10.39	12.2
Kyrgyzstan	KGZ	2020 and 2021	Full national	13153.00	21.30	93.62	87.20	99.9
Cambodia	KHM	2020 and 2021	No observed data	33665.00	8.95	37.18	3.17	70.8
Kiribati	KIR	2020 and 2021	No observed data	241.00	0.00	-18.85	-95.68	63.4
Saint Kitts and Nevis	KNA	2020 and 2021	Sub-national/Annual	107.00	26.23	-194.28	-352.70	23.2
Republic of Korea	KOR	2020 and 2021	Full national	102574.00	5.42	6.13	1.40	10.9
Kuwait	KWT	2020 and 2021	Partial national	8599.00	28.70	49.30	36.33	63.0
Lao People's Democratic Republic	LAO	2020 and 2021	No observed data	14655.00	2.46	11.98	-20.17	46.7
Lebanon	LBN	2020 and 2021	Full national	13595.00	66.95	136.23	127.42	145.7
Liberia	LBR	2020 and 2021	No observed data	10238.00	2.80	39.49	-3.72	86.8
Libya	LBY	2020 and 2021	No observed data	13830.00	41.19	56.84	30.74	82.8
Saint Lucia	LCA	2020 and 2021	No observed data	368.00	80.16	100.51	36.47	165.0
Sri Lanka	LKA	2020 and 2021	Sub-national/Annual	42911.00	34.91	-20.58	-55.69	15.0
Lesotho	LSO	2020 and 2021	No observed data	4301.00	15.46	92.57	-0.34	188.0
Lithuania	LTU	2020 and 2021	Full national	5412.00	136.67	318.81	304.14	334.5
Luxembourg	LUX	2020 and 2021	Full national	1261.00	72.57	5.51	-4.41	15.1
Latvia	LVA	2020 and 2021	Full national	3753.00	121.53	204.32	185.67	222.8
Morocco	MAR	2020 and 2021	No observed data	74255.00	19.99	46.80	5.74	87.6
Monaco	MCO	2020 and 2021	Full national	79.00	48.25	81.08	23.44	137.8
Republic of Moldova	MDA	2020 and 2021	Full national	8058.00	127.44	225.34	210.66	240.5
Madagascar	MDG	2020 and 2021	No observed data	56118.00	1.83	45.59	6.13	89.5
Maldives	MDV	2020 and 2021	Partial national	1084.00	24.17	22.67	8.85	38.1
Mexico	MEX	2020 and 2021	Full national	259195.00	116.80	241.60	235.83	247.1
Marshall Islands	MHL	2020 and 2021	No observed data	119.00	0.00	-66.82	-121.90	-4.4
North Macedonia	MKD	2020 and 2021	Full national	4166.00	191.21	368.63	350.72	384.7
Mali	MLI	2020 and 2021	No observed data	41107.00	1.60	66.44	23.17	111.5

... Table 6 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Malta	MLT	2020 and 2021	Full national	884.00	53.83	53.90	39.42	67.6
Myanmar	MMR	2020 and 2021	No observed data	109216.00	17.64	40.46	0.18	80.4
Montenegro	MNE	2020 and 2021	Partial national	1256.00	191.15	311.26	269.37	356.0
Mongolia	MNG	2020 and 2021	Full national	6608.00	30.06	0.06	-6.34	6.2
Mozambique	MOZ	2020 and 2021	No observed data	63418.00	3.12	67.38	19.13	123.3
Mauritania	MRT	2020 and 2021	No observed data	9425.00	9.16	73.72	38.44	112.6
Mauritius	MUS	2020 and 2021	Full national	2545.00	30.88	37.00	27.83	46.1
Malawi	MWI	2020 and 2021	No observed data	38778.00	6.07	44.13	12.20	76.5
Malaysia	MYS	2020 and 2021	Partial national	65142.00	48.30	11.56	-3.89	27.9
Namibia	NAM	2020 and 2021	No observed data	5128.00	70.51	151.18	104.08	203.1
Niger	NER	2020 and 2021	No observed data	49337.00	0.56	69.60	20.88	116.7
Nigeria	NGA	2020 and 2021	No observed data	417540.00	0.73	44.65	-2.47	94.3
Nicaragua	NIC	2020 and 2021	Partial national	13327.00	1.63	90.76	60.99	123.9
Niue	NIU	2020 and 2021	No observed data	3.00	0.00	-153.91	-468.48	202.8
Netherlands	NLD	2020 and 2021	Full national	34308.00	60.88	85.15	76.94	92.8
Norway	NOR	2020 and 2021	Full national	10887.00	12.68	-0.93	-6.29	4.9
Nepal	NPL	2020 and 2021	No observed data	58812.00	19.71	55.28	21.33	91.9
Nauru	NRU	2020 and 2021	No observed data	22.00	0.00	-6.72	-114.24	95.4
New Zealand	NZL	2020 and 2021	Full national	9683.00	0.53	-27.65	-32.82	-22.7
Oman	OMN	2020 and 2021	Full national	10330.00	39.85	111.32	106.09	116.2
Pakistan	PAK	2020 and 2021	No observed data	446092.00	6.48	51.66	9.76	95.7
Panama	PAN	2020 and 2021	Partial national	8696.00	85.38	87.88	79.15	98.0
Peru	PER	2020 and 2021	Full national	66331.00	305.41	436.70	430.50	442.2
Philippines	PHL	2020 and 2021	Partial national	220628.00	23.28	83.97	74.91	94.3
Palau	PLW	2020 and 2021	No observed data	36.00	0.00	-111.37	-230.92	17.7
Papua New Guinea	PNG	2020 and 2021	No observed data	18066.00	3.27	4.21	-32.40	44.0
Poland	POL	2020 and 2021	Full national	75644.00	128.31	208.25	198.41	217.0
Democratic People's Republic of Korea	PRK	2020 and 2021	No observed data	51666.00	0.00	-13.74	-68.55	44.1
Portugal	PRT	2020 and 2021	Full national	20365.00	92.99	100.41	84.48	116.0
Paraguay	PRY	2020 and 2021	Full national	14352.00	115.83	138.08	131.51	144.4
Qatar	QAT	2020 and 2021	Full national	5812.00	10.62	26.48	24.79	28.1
Romania	ROU	2020 and 2021	Full national	38365.00	153.04	278.67	264.40	292.4
Russian Federation	RUS	2020 and 2021	Full national	291846.00	105.83	367.43	358.52	376.5
Rwanda	RWA	2020 and 2021	No observed data	26229.00	5.14	20.59	-5.92	50.1
Saudi Arabia	SAU	2020 and 2021	No observed data	70155.00	12.65	25.02	-1.02	50.9
Sudan	SDN	2020 and 2021	No observed data	88759.00	3.76	42.81	10.61	74.9
Senegal	SEN	2020 and 2021	No observed data	33940.00	5.57	48.63	20.20	78.8
Singapore	SGP	2020 and 2021	Full national	11747.00	7.04	12.56	8.75	16.4
Solomon Islands	SLB	2020 and 2021	No observed data	1391.00	0.00	-4.32	-45.76	37.3

... Table 6 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Sierra Leone	SLE	2020 and 2021	No observed data	16118.00	0.76	48.92	2.98	97.7
El Salvador	SLV	2020 and 2021	Partial national	13005.00	29.40	131.00	75.39	194.4
San Marino	SMR	2020 and 2021	Full national	68.00	145.70	250.96	221.40	279.5
Somalia	SOM	2020 and 2021	No observed data	32253.00	4.13	109.95	46.91	174.6
Serbia	SRB	2020 and 2021	Full national	17435.00	72.77	319.15	301.70	335.6
South Sudan	SSD	2020 and 2021	No observed data	22575.00	0.60	40.60	-2.46	85.7
Sao Tome and Principe	STP	2020 and 2021	No observed data	443.00	12.88	43.14	9.96	77.6
Suriname	SUR	2020 and 2021	Full national	1178.00	100.90	61.65	48.24	77.6
Slovakia	SVK	2020 and 2021	Full national	10920.00	152.33	222.70	212.22	232.9
Slovenia	SVN	2020 and 2021	Full national	4158.00	147.17	134.25	118.71	149.5
Sweden	SWE	2020 and 2021	Full national	20259.00	75.84	55.55	48.72	62.5
Eswatini	SWZ	2020 and 2021	No observed data	2333.00	55.69	163.78	97.53	231.1
Seychelles	SYC	2020 and 2021	Partial national	197.00	63.88	3.52	-58.43	70.2
Syrian Arab Republic	SYR	2020 and 2021	No observed data	35776.00	8.09	20.44	-17.12	56.0
Chad	TCD	2020 and 2021	No observed data	33341.00	0.54	57.74	5.35	112.6
Togo	TGO	2020 and 2021	Full national	16757.00	1.48	-41.71	-43.97	-39.3
Thailand	THA	2020 and 2021	Full national	139751.00	15.53	10.95	0.66	21.4
Tajikistan	TJK	2020 and 2021	Partial national	19287.00	0.65	67.45	41.12	97.0
Turkmenistan	TKM	2020 and 2021	No observed data	12149.00	0.00	5.36	-31.28	41.9
Timor-Leste	TLS	2020 and 2021	No observed data	2662.00	4.58	25.66	-10.97	61.7
Tonga	TON	2020 and 2021	No observed data	212.00	0.00	-17.28	-60.59	28.2
Trinidad and Tobago	TTO	2020 and 2021	No observed data	2803.00	100.79	72.46	28.97	119.3
Tunisia	TUN	2020 and 2021	Partial national	23754.00	107.62	100.28	65.87	135.0
Turkey	TUR	2020 and 2021	Sub-national/Annual	169382.00	48.53	155.89	139.76	174.7
Tuvalu	TUV	2020 and 2021	No observed data	24.00	0.00	-46.17	-168.14	80.5
United Republic of Tanzania	TZA	2020 and 2021	No observed data	121233.00	0.61	33.02	0.88	65.9
Uganda	UGA	2020 and 2021	No observed data	92865.00	3.55	22.10	-5.18	50.7
Ukraine	UKR	2020 and 2021	Full national	87201.00	109.98	227.32	213.39	240.9
Uruguay	URY	2020 and 2021	Full national	6959.00	88.63	44.63	34.10	55.0
United States of America	USA	2020 and 2021	Full national	663918.00	123.28	140.45	133.59	147.3
Uzbekistan	UZB	2020 and 2021	Full national	67405.00	2.20	66.59	53.84	78.7
Saint Vincent and the Grenadines	VCT	2020 and 2021	Sub-national/Annual	222.00	37.35	221.66	71.10	405.3
Venezuela (Bolivarian Republic of)	VEN	2020 and 2021	No observed data	57141.00	9.31	39.07	0.95	78.1
Viet Nam	VNM	2020 and 2021	Sub-national/Annual	195507.00	16.45	-3.18	-99.13	113.7
Vanuatu	VUT	2020 and 2021	No observed data	622.00	0.00	-12.29	-56.03	32.4
Samoa	WSM	2020 and 2021	No observed data	399.00	0.00	-22.23	-61.92	18.4
Yemen	YEM	2020 and 2021	No observed data	60317.00	3.29	56.02	19.43	99.0
South Africa	ZAF	2020 and 2021	Full national	119351.00	76.30	199.97	193.79	206.2
Zambia	ZMB	2020 and 2021	No observed data	37305.00	10.00	63.14	25.44	103.3

... Table 6 continued

location	ISO3C	period	data.type	person-years (000s)	reported.covid.rate	excess.rate.mean	excess.rate.lwr	excess.rate.upp
Zimbabwe	ZWE	2020 and 2021	No observed data	29955.00	16.68	62.20	18.37	108.9
Global	NA	2020 and 2021	NA	15596308.00	34.76	95.60	85.42	106.7
AFRO	NA	2020 and 2021	NA	2269080.00	6.85	55.02	40.10	69.5
AMRO	NA	2020 and 2021	NA	2044283.00	117.82	157.91	154.38	161.3
EMRO	NA	2020 and 2021	NA	1465100.00	21.22	73.44	59.24	88.9
EURO	NA	2020 and 2021	NA	1867899.00	89.40	174.03	170.43	177.7
SEARO	NA	2020 and 2021	NA	4061944.00	17.75	147.39	110.74	189.9
WPRO	NA	2020 and 2021	NA	3888001.00	3.97	3.09	-1.69	9.0
LIC	NA	2020 and 2021	NA	1348155.00	2.84	47.33	32.22	62.7
LMIC	NA	2020 and 2021	NA	6692891.00	17.67	117.57	94.10	143.5
UMIC	NA	2020 and 2021	NA	5140325.00	44.05	82.48	81.22	83.8
HIC	NA	2020 and 2021	NA	2414937.00	80.12	89.57	86.67	92.5