

Optimising immunisation equity: an analytical framework for geographical categorisation and prioritisation

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Content

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Country	Zero-dose prevalence (proportion per100)	Absolute number of Zero-dose	Composite Ranking Score	Priority Country ranking (analytical Framework)	Priority Country ranking (Zero-dose Number)	Change in Ranking Position	Direction of Change in Ranking(upwards/downwards)
Sudan	52	828357	1514341	1	3	2	▲
Nigeria	29	2071680	965360	2	1	-1	▼
Yemen	47	635611	861435	3	7	4	▲
Afghanistan	34	485047	306662	4	8	4	▲
Papua New Guinea	51	127078	218642	5	25	20	▲
Angola	30	402503	199609	6	9	3	▲
Ethiopia	19	763058	178989	7	5	-2	▼
DRC	18	763748	165607	8	4	-4	▼
CAR	48	110656	159109	9	27	18	▲
Indonesia	17	749320	149777	10	6	-4	▼
Madagascar	30	291150	144387	11	14	3	▲
South Africa	24	278874	93859	12	15	3	▲
Venezuela (Bolivarian Republic of)	33	139202	82889	13	22	9	▲
Myanmar	24	209921	70652	14	18	4	▲
Philippines	18	324781	70424	15	12	-3	▼
Mexico	17	341785	68317	16	11	-5	▼
Bolivia (Plurinational State of)	35	88710	59525	17	34	17	▲
Somalia	22	166802	48856	18	21	3	▲
Côte d'Ivoire	20	192562	48742	19	19	0	—
Tanzania	13	299975	41733	20	13	-7	▼
Benin	24	110544	37205	21	28	7	▲
Cameroon	18	167099	36233	22	20	-2	▼
Guinea	23	106993	33619	23	29	6	▲
India	4	909001	31957	24	2	-22	▼
Azerbaijan	35	42442	28479	25	47	22	▲
Ecuador	26	69375	26681	26	40	14	▲
South Sudan	24	78860	26542	27	37	10	▲
Argentina	20	100274	25382	28	31	3	▲
Syria	19	104769	24575	29	30	1	▲
Chad	16	130187	23912	30	24	-6	▼
Pakistan	6	395162	21735	31	10	-21	▼
Honduras	25	57841	20823	32	42	10	▲
Gabon	38	25542	20452	33	61	28	▲
Brazil	9	229934	20242	34	17	-17	▼
Haiti	24	59609	20062	35	41	6	▲
Peru	17	90881	18166	36	33	-3	▼
Lao	24	37987	12785	37	52	15	▲

Mozambique	10	122191	12219	38	26	-12	▼
Kenya	9	132519	11666	39	23	-16	▼
Romania	21	37995	10356	40	51	11	▲
Uzbekistan	10	92673	9267.3	41	32	-9	▼
Colombia	11	76994	8660.7	42	38	-4	▼
Guatemala	14	51978	7969.5	43	45	2	▲
Congo	18	33536	7271.8	44	58	14	▲
Mali	9	82233	7239.2	45	36	-9	▼
China	3	264259	6824.9	46	16	-30	▼
Guinea-Bissau	26	16214	6235.6	47	74	27	▲
Burundi	11	49450	5562.5	48	46	-2	▼
Paraguay	18	24243	5256.7	49	62	13	▲
Equatorial Guinea	25	13387	4819.4	50	82	32	▲
Namibia	21	15943	4345.3	51	75	24	▲
United Kingdom	8	55311	4234.5	52	43	-9	▼
Uganda	5	83660	3754.3	53	35	-18	▼
Cambodia	10	35353	3535.3	54	53	-1	▼
Gambia	18	14419	3126.5	55	79	24	▲
Niger	5	52675	2363.8	56	44	-12	▼
Canada	8	29252	2239.5	57	60	3	▲
Zambia	6	40206	2211.4	58	48	-10	▼
Zimbabwe	7	33725	2210.9	59	57	-2	▼
State of Palestine	12	17156	2153.3	60	72	12	▲
Malawi	6	39094	2150.3	61	49	-12	▼
Malaysia	7	30747	2015.6	62	59	-3	▼
Lebanon	14	12758	1956.2	63	83	20	▲
Burkina Faso	5	35084	1574.4	64	54	-10	▼
Sierra Leone	8	19716	1509.4	65	70	5	▲
Kyrgyzstan	10	14889	1488.9	66	77	11	▲
Australia	7	21471	1407.6	67	68	1	▲
Netherlands	9	15468	1361.7	68	76	8	▲
Liberia	9	14716	1295.5	69	78	9	▲
Italy	6	23178	1274.9	70	65	-5	▼
United States of America	2	73259	1235.7	71	39	-32	▼
Libya	10	12156	1215.6	72	85	13	▲
Comoros	20	4723	1195.4	73	102	29	▲
Lesotho	14	7446	1141.7	74	92	18	▲
Russian Federation	3	38323	989.73	75	50	-25	▼
Suriname	25	2685	966.74	76	119	43	▲
Djibouti	18	4225	916.14	77	104	27	▲
Iraq	3	34459	889.96	78	55	-23	▼
Thailand	4	23331	820.25	79	64	-15	▼
Senegal	4	20982	737.64	80	69	-11	▼
Togo	5	14052	630.59	81	80	-1	▼
Republic of Moldova	13	4137	575.57	82	105	23	▲
Panama	9	6389	562.40	83	96	13	▲
Germany	3	21588	557.53	84	67	-17	▼
Ukraine	5	11099	498.07	85	86	1	▲
Saudi Arabia	3	16636	429.65	86	73	-13	▼
Estonia	18	1961	425.27	87	127	40	▲

Iran (Islamic Republic of)	2	23142	390.36	88	66	-22	▼
Mauritania	5	8495	381.21	89	90	1	▲
Timor-Leste	11	3245	364.96	90	113	23	▲
Algeria	2	17591	296.72	91	71	-20	▼
Bangladesh	1	34135	282.11	92	56	-36	▼
Ireland	7	3752	245.99	93	109	16	▲
Eswatini	9	2560	225.34	94	120	26	▲
Morocco	2	12365	208.58	95	84	-11	▼
Egypt	1	23961	198.02	96	63	-33	▼
New Zealand	6	3563	195.96	97	110	13	▲
Bosnia and Herzegovina	9	2190	192.78	98	123	25	▲
Nepal	2	11002	185.59	99	87	-12	▼
Jordan	3	6942	179.29	100	93	-7	▼
Slovenia	10	1777	177.72	101	131	30	▲
Austria	5	3830	171.88	102	108	6	▲
Solomon Islands	9	1932	170.06	103	129	26	▲
United Arab Emirates	4	4390	154.34	104	103	-1	▼
Dominican Republic	3	5912	152.67	105	98	-7	▼
Lithuania	8	1772	135.64	106	132	26	▲
Vanuatu	12	1069	134.20	107	142	35	▲
Serbia	5	2956	132.66	108	115	7	▲
Tunisia	3	4930	127.33	109	100	-9	▼
Sao Tome and Principe	13	843	117.29	110	149	39	▲
Spain	2	6723	113.40	111	94	-17	▼
Viet Nam	1	13518	111.72	112	81	-31	▼
Sri Lanka	2	6406	108.06	113	95	-18	▼
Trinidad and Tobago	8	1266	96.961	114	139	25	▲
Georgia	5	2157	96.777	115	124	9	▲
Belize	11	816	91.842	116	150	34	▲
Tajikistan	2	5281	89.072	117	99	-18	▼
Bulgaria	4	2474	86.970	118	122	4	▲
Türkiye	1	10517	86.915	119	88	-31	▼
Republic of Korea	2	4756	80.220	120	101	-19	▼
Sweden	3	2953	76.270	121	116	-5	▼
N. Macedonia	7	1158	75.895	122	141	19	▲
Eritrea	3	2931	75.689	123	117	-6	▼
Slovakia	4	2051	72.100	124	125	1	▲
Ghana	1	8670	71.655	125	89	-36	▼
Czechia	3	2690	69.481	126	118	-8	▼
Switzerland	3	2513	64.898	127	121	-6	▼
Japan	1	7524	62.186	128	91	-37	▼
Chile	2	3496	58.971	129	111	-18	▼
France	1	6372	52.662	130	97	-33	▼
Mongolia	3	1905	49.207	131	130	-1	▼
Denmark	3	1757	45.369	132	133	1	▲
Montenegro	8	565	43.229	133	155	22	▲
Fiji	5	813	36.472	134	151	17	▲
Belgium	2	2038	34.379	135	126	-9	▼
Finland	3	1323	34.176	136	137	1	▲

Kazakhstan	1	4030	33.303	137	106	-31	▼
El Salvador	2	1957	33.014	138	128	-10	▼
Rwanda	1	3883	32.088	139	107	-32	▼
Cabo Verde	7	444	29.133	140	159	19	▲
DPRK	1	3372	27.864	141	112	-29	▼
Armenia	3	1063	27.458	142	143	1	▲
Uruguay	3	994	25.665	143	144	1	▲
Poland	1	3099	25.614	144	114	-30	▼
Greece	2	1405	23.703	145	136	-9	▼
Belarus	2	1284	21.656	146	138	-8	▼
Botswana	2	1195	20.162	147	140	-7	▼
Singapore	2	967	16.317	148	145	-3	▼
Bahrain	3	591	15.259	149	154	5	▲
Israel	1	1717	14.192	150	134	-16	▼
Turkmenistan	1	1546	12.778	151	135	-16	▼
Croatia	2	627	10.572	152	153	1	▲
Barbados	6	187	10.290	153	167	14	▲
Mauritius	3	346	8.9302	154	160	6	▲
Cuba	1	945	7.8076	155	146	-9	▼
Portugal	1	866	7.1561	156	147	-9	▼
Hungary	1	854	7.0574	157	148	-9	▼
Oman	1	787	6.5061	158	152	-6	▼
Grenada	7	94	6.1469	159	171	12	▲
Cyprus	2	291	4.9050	160	163	3	▲
Latvia	2	282	4.7588	161	164	3	▲
Kiribati	4	131	4.6153	162	169	7	▲
Norway	1	529	4.3740	163	156	-7	▼
Costa Rica	1	513	4.2432	164	157	-7	▼
Kuwait	1	494	4.0802	165	158	-7	▼
Micronesia	4	98	3.4509	166	170	4	▲
Bhutan	2	195	3.2948	167	166	-1	▼
San Marino	12	24	2.9521	168	181	13	▲
Jamaica	1	321	2.6524	169	161	-8	▼
Qatar	1	299	2.4728	170	162	-8	▼
Albania	1	279	2.3077	171	165	-6	▼
Iceland	2	89	1.4972	172	172	0	—
Bahamas	2	86	1.4572	173	173	0	—
Guyana	1	162	1.3417	174	168	-6	▼
Dominica	4	28	0.9991	175	179	4	▲
Luxembourg	1	70	0.5802	176	174	-2	▼
Brunei Darussalam	1	62	0.5090	177	175	-2	▼
Maldives	1	56	0.4664	178	176	-2	▼
Samoa	1	54	0.4426	179	177	-2	▼
Saint Kitts and Nevis	3	16	0.4211	180	184	4	▲
Malta	1	42	0.3510	181	178	-3	▼
Marshall Islands	2	15	0.2483	182	185	3	▲
Andorra	2	12	0.1945	183	187	4	▲
Tonga	1	24	0.1944	184	180	-4	▼
Saint Lucia	1	20	0.1646	185	182	-3	▼
Seychelles	1	17	0.1445	186	183	-3	▼
Saint Vincent and the Grenadines	1	12	0.0982	187	186	-1	▼

Antigua and Barbuda	1	11	0.0907	188	188	0	—
Cook Islands	2	3	0.0528	189	190	1	▲
Monaco	1	4	0.0306	190	189	-1	▼
Nauru	1	3	0.0240	191	191	0	—
Tuvalu	1	2	0.0173	192	192	0	—
Palau	1	2	0.0155	193	193	0	—
Niue	1	0	0.0021	194	194	0	—