

Reported measles cases and incidence rates by WHO Member States 2011, 2012, as of 12 April 2012

2012 data										2011 data		
Region	Member State	ISO country code	Total suspected measles cases	Number of measles cases by confirmation				Annualized measles incidence per 100'000 total population	Annualized discarded measles cases per 100'000 total population	Total confirmed measles cases	Measles incidence rate per 100'000 total population	Discarded measles cases per 100'000 total population
				Total confirmed measles cases	Lab confirmed	EPI link	Clinically confirmed					
AFR	Algeria	DZA	14	14	2		12	0.15	0.00	128	0.36	0.29
AFR	Angola	AGO	41	0				0.00	0.81	191	0.97	1.44
AFR	Benin	BEN	299	154	97		57	6.59	6.20	423	4.65	2.10
AFR	Botswana	BWA	23	2	1		1	0.39	4.09	139	6.84	29.40
AFR	Burkina Faso	BFA	353	185	157		28	4.23	3.84	289	1.70	1.39
AFR	Burundi	BDI	30	17	17			0.78	0.59	63	0.73	0.77
AFR	Cameroon	CMR	580	393	380		13	7.68	3.65	909	4.54	2.98
AFR	Cape Verde	CPV										
AFR	Central African Republic (the)	CAF	77	11	11			0.96	5.77	671	14.95	2.01
AFR	Chad	TCD	91	87	33	33	21	2.94	0.14	156	1.35	0.36
AFR	Comoros (the)	COM										
AFR	Congo (the)	COG	216	134	132	1	1	12.66	7.75	130	3.14	8.24
AFR	Côte d'Ivoire	CIV	616	89	78		11	1.73	10.24	619	3.07	2.18
AFR	Democratic Republic of the Congo (the)	COD	790	663	227	161	275	3.81	0.73	1649	2.43	1.88
AFR	Equatorial Guinea	GNQ	5	0				0.00	2.70	0	0.00	1.53
AFR	Eritrea	ERI	18	1	1			0.07	1.22	14	0.26	2.42
AFR	Ethiopia	ETH	3626	2878	261	2271	346	13.30	3.46	3552	4.19	1.65
AFR	Gabon	GAB	35	0				0.00	8.95	1	0.07	4.76
AFR	Gambia (the)	GMB								0	0.00	6.36
AFR	Ghana	GHA	560	109	88		21	1.71	7.06	136	0.54	6.44
AFR	Guinea	GIN	63	63			63	2.40	0.00	20	0.20	0.83
AFR	Guinea-Bissau	GNB	7	0				0.00	1.77	0	0.00	0.84
AFR	Kenya	KEN	1243	976	323	524	129	9.13	2.50	2462	5.92	3.63
AFR	Lesotho	LSO	36	0				0.00	6.50	0	0.00	7.70
AFR	Liberia	LBR	22	0				0.00	2.07	24	0.58	2.47
AFR	Madagascar	MDG	110	0				0.00	2.01	1	0.00	2.35
AFR	Malawi	MWI	35	0				0.00	0.88	21	0.14	4.15
AFR	Mali	MLI	183	135	52	44	39	3.31	1.18	26	0.16	1.38
AFR	Mauritania	MRT	20	7			7	0.77	1.44	195	5.51	1.07
AFR	Mauritius	MUS										
AFR	Mozambique	MOZ	86	10	3		7	0.16	1.24	157	0.66	3.00
AFR	Namibia	NAM	60	39	1		38	6.60	3.55	421	18.12	19.71

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AFR	Niger (the)	NER	273	103	103			2.48	4.09	771	4.80	3.38
AFR	Nigeria	NGA	2368	1756	222	50	1484	4.22	1.47	19062	11.73	1.53
AFR	Rwanda	RWA	100	1	1			0.04	3.51	28	0.26	2.92
AFR	Sao Tome and Principe	STP										
AFR	Senegal	SEN	142	21	17		4	0.64	3.69	22	0.17	2.69
AFR	Seychelles	SYC										
AFR	Sierra Leone	SLE	27	10	10			0.65	1.11	17	0.28	0.85
AFR	South Africa	ZAF	1473	19	9		10	0.15	11.46	155	0.31	17.39
AFR	Swaziland	SWZ	10	0				0.00	3.28	0	0.00	6.48
AFR	Togo	TGO	262	163	135		28	10.38	6.30	165	2.68	4.06
AFR	Uganda	UGA	948	464	311		153	5.21	5.43	132	0.38	5.07
AFR	United Republic of Tanzania	TZA	113	104	34		70	0.87	0.08	1798	3.89	1.08
AFR	Zambia	ZMB								13150	97.59	1.14
AFR	Zimbabwe	ZWE	92	0				0.00	2.83	2	0.02	6.86
AMR	Antigua and Barbuda	ATG								0	0.00	0.00
AMR	Argentina	ARG	65	0	0			0.00	0.63	3	0.01	0.88
AMR	Bahamas (the)	BHS	3	0				0.00	3.42	0	0.00	0.29
AMR	Barbados	BRB	1	0				0.00	1.46	0	0.00	1.83
AMR	Belize	BLZ	19	0				0.00	23.44	0	0.00	26.11
AMR	Bolivia (Plurinational State of)	BOL	40	0				0.00	1.56	0	0.00	2.61
AMR	Brazil	BRA	1547	1	1			0.00	3.12	43	0.02	4.12
AMR	Canada	CAN		3	3			0.03		802	2.33	
AMR	Chile	CHL	66	0				0.00	1.52	6	0.03	2.82
AMR	Colombia	COL	467	1	1			0.01	3.92	6	0.01	7.49
AMR	Costa Rica	CRI	8	0				0.00	0.67	0	0.00	0.51
AMR	Cuba	CUB	308	0	0			0.00	10.95	0	0.00	10.17
AMR	Dominica	DMA								0	0.00	0.00
AMR	Dominican Republic (the)	DOM	55	0				0.00	2.16	2	0.02	1.32
AMR	Ecuador	ECU	794	67	67			1.80	19.56	198	1.35	3.59
AMR	El Salvador	SLV	138	0				0.00	8.81	0	0.00	8.67
AMR	Grenada	GRD								0	0.00	0.95
AMR	Guatemala	GTM	116	0				0.00	3.07	0	0.00	1.92

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AMR	Guyana	GUY	20	0				0.00	10.56	0	0.00	10.32
AMR	Haiti	HTI	2	0				0.00	0.08			
AMR	Honduras	HND	18	0				0.00	0.91	0	0.00	1.11
AMR	Jamaica	JAM	104	0				0.00	15.07	1	0.04	9.63
AMR	Mexico	MEX	783	0	0			0.00	2.70	3	0.00	6.51
AMR	Nicaragua	NIC	43	0				0.00	2.89	0	0.00	6.42
AMR	Panama	PAN	39	0				0.00	4.30	4	0.11	7.25
AMR	Paraguay	PRY	234	0				0.00	14.01	0	0.00	9.29
AMR	Peru	PER	179	0				0.00	2.41	0	0.00	3.48
AMR	Saint Kitts and Nevis	KNA								0	0.00	1.88
AMR	Saint Lucia	LCA								0	0.00	0.57
AMR	Saint Vincent and the Grenadines	VCT								0	0.00	0.91
AMR	Suriname	SUR	7	0				0.00	5.24	0	0.00	5.48
AMR	Trinidad and Tobago	TTO								0	0.00	1.04
AMR	United States of America (the)	USA		33	33			0.04		223	0.07	
AMR	Uruguay	URY								0	0.00	1.66
AMR	Venezuela (Bolivarian Republic of)	VEN	111	0				0.00	1.49	0	0.00	2.75
EMR	Afghanistan	AFG	545	419	419			5.02	1.51	1368	4.23	2.27
EMR	Bahrain	BHR	52	3	3			0.88	14.42	1	0.08	10.80
EMR	Djibouti	DJI								18	1.99	1.77
EMR	Egypt	EGY								26	0.03	0.92
EMR	Iran (Islamic Republic of)	IRN	205	3	3			0.02	1.07	171	0.23	3.49
EMR	Iraq	IRQ	123	0				0.00	1.46	15	0.05	2.99
EMR	Jordan	JOR	18	3	3			0.19	0.93	0	0.00	0.28
EMR	Kuwait	KWT								82	2.91	14.80
EMR	Lebanon	LBN	3	0				0.00	0.28	7	0.16	1.27
EMR	Libyan Arab Jamahiriya (the)	LYB	55	43	38		5	2.66	0.74	126	1.96	0.58
EMR	Morocco	MAR								446	1.38	1.61
EMR	Oman	OMN	136	2	2			0.28	18.46	4	0.14	25.68
EMR	Pakistan	PAK								2676	1.51	0.75
EMR	Qatar	QAT								101	5.40	4.49
EMR	Saudi Arabia	SAU								561	2.00	1.85

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EMR	Somalia	SOM	124	71	53	2	16	2.90	2.16	73	0.76	0.25
EMR	South Sudan	SSD										
EMR	Sudan (the)	SDN	1822	1500	338	1162		13.12	2.82	5616	12.58	1.90
EMR	Syrian Arab Republic (the)	SYR	4	0				0.00	0.08	0	0.00	1.35
EMR	Tunisia	TUN								14	0.13	14.58
EMR	United Arab Emirates (the)	ARE								143	1.81	1.84
EMR	Yemen	YEM	556	556		7	549	8.70	0.00	847	3.42	1.85
EUR	Albania	ALB	1	0				0.00	0.12	0	0.00	0.87
EUR	Andorra	AND	0	0				0.00	0.00	0	0.00	0.00
EUR	Armenia	ARM	2	0				0.00	0.26	0	0.00	0.61
EUR	Austria	AUT	0	0				0.00	0.00	99	1.18	0.00
EUR	Azerbaijan	AZE	45	1	1			0.04	1.87	0	0.00	0.97
EUR	Belarus	BLR	8	8	8			0.34	0.00	51	0.53	0.00
EUR	Belgium	BEL	19	19	10	1	8	0.70	0.00	576	5.36	0.00
EUR	Bosnia and Herzegovina	BIH								5	0.13	0.00
EUR	Bulgaria	BGR	0	0				0.00	0.00	157	2.11	0.00
EUR	Croatia	HRV	0	0				0.00	0.00	7	0.16	0.00
EUR	Cyprus	CYP	1	1	1			0.35	0.00	0	0.00	0.00
EUR	Czech Republic (the)	CZE	5	5	4	1		0.19	0.00	18	0.17	0.00
EUR	Denmark	DNK	1	1	1			0.07	0.00	84	1.51	0.00
EUR	Estonia	EST	2	2	2			0.60	0.00	7	0.52	0.00
EUR	Finland	FIN	2	2	1		1	0.15	0.00	29	0.54	0.00
EUR	France	FRA	362	362	141	43	178	2.28	0.00	15214	24.10	0.00
EUR	Georgia	GEO	11	4			4	0.37	0.65	64	1.48	0.00
EUR	Germany	DEU	19	19	14	2	3	0.09	0.00	1599	1.95	0.00
EUR	Greece	GRC	0	0				0.00	0.00	40	0.35	0.00
EUR	Hungary	HUN	0	0				0.00	0.00	4	0.04	0.00
EUR	Iceland	ISL	0	0				0.00	0.00	0	0.00	0.00
EUR	Ireland	IRL	17	17	3	1	13	1.48	0.00	303	6.69	0.00
EUR	Israel	ISR	43	43	1		42	2.24	0.00	46	0.61	0.00
EUR	Italy	ITA	134	134	48	32	54	0.88	0.00	5178	8.52	0.00
EUR	Kazakhstan	KAZ	20	20	20			0.49	0.00	30	0.19	0.00

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SEAR	Indonesia	IDN	4131	4192	334		3858	6.85	-0.10	25970	10.72	-0.10
SEAR	Maldives	MDV	0	0	0		0	0.00	0.00	0	0.00	0.00
SEAR	Myanmar	MMR	1088	1234	447		787	10.13	-1.20	3286	6.80	-1.63
SEAR	Nepal	NPL	586	652	106		546	8.41	-0.85	2997	9.83	-2.25
SEAR	Sri Lanka	LKA	93	77	0		77	1.45	0.30	803	3.82	0.67
SEAR	Thailand	THA	1468	1463	37		1426	8.37	0.03	3334	4.80	-0.01
SEAR	Timor-Leste	TLS								1519	131.65	-64.83
WPR	Australia	AUS	5	5	5			0.09	0.00	188	0.83	0.00
WPR	Brunei Darussalam	BRN	3	0				0.00	2.91	4	0.99	1.48
WPR	Cambodia	KHM	178	0				0.00	4.92	721	5.04	20.22
WPR	China	CHN		831				0.25		11849	0.88	
WPR	Cook Islands	COK	0	0				0.00	0.00	0	0.00	0.00
WPR	Fiji	FJI	69	0				0.00	31.51	0	0.00	61.95
WPR	Japan	JPN	67	54	51	1	2	0.17	0.04	410	0.32	0.32
WPR	Kiribati	KIR	0	0				0.00	0.00	0	0.00	0.00
WPR	Lao People's Democratic Republic (the)	LAO	141	60			60	3.77	5.08	113	1.80	5.18
WPR	Malaysia	MYS	1102	300	243	24	33	4.09	10.94	1569	5.44	11.58
WPR	Marshall Islands (the)	MHL	0	0				0.00	0.00	0	0.00	0.00
WPR	Micronesia (Federated States of)	FSM	0	0				0.00	0.00	0	0.00	0.00
WPR	Mongolia	MNG	32	0				0.00	4.50	0	0.00	6.54
WPR	Nauru	NRU	0	0				0.00	0.00	0	0.00	0.00
WPR	New Zealand	NZL	44	32	29	3		2.87	1.08	599	13.57	0.09
WPR	Niue	NIU	0	0				0.00	0.00	0	0.00	0.00
WPR	Palau	PLW	0	0				0.00	0.00	0	0.00	0.00
WPR	Papua New Guinea	PNG								0	0.00	0.71
WPR	Philippines (the)	PHL	572	206	92	6	108	0.85	1.52	6554	6.91	3.11
WPR	Republic of Korea	KOR	16	0				0.00	0.13	43	0.09	0.27
WPR	Samoa	WSM	0	0				0.00	0.00	0	0.00	0.00
WPR	Singapore	SGP	12	12	12			0.91	0.00	143	2.76	0.00
WPR	Solomon Islands	SLB	0	0				0.00	0.00	0	0.00	0.00
WPR	Tonga	TON	0	0				0.00	0.00	0	0.00	0.00
WPR	Tuvalu	TUV	0	0				0.00	0.00	0	0.00	0.00

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WPR	Vanuatu	VUT	0	0				0.00	0.00	0	0.00	0.00
WPR	Viet Nam	VNM	2	0				0.00	0.01	746	0.84	16.00

ISO 3: International Organization of Standards 3-letter country code

Suspected cases: Any person in whom a clinician suspects measles **OR** any person with fever, **AND** generalized maculopapular (i.e. non-vesicular) rash, **AND** cough, coryza (i.e. runny nose) or conjunctivitis (i.e. red eyes).

Clinically-confirmed cases: Any person meeting the clinical case definition of suspected measles who lacks laboratory-confirmation and evidence of epidemiologic linkage to another confirmed measles case.

EPI link: An epidemiologically-linked measles case is a patient who meets the clinical case definition and has direct contact with another laboratory-confirmed measles case whose rash onset was within the preceding 21 days. In settings where contact tracing is not routinely conducted, epidemiological linkage can be ascribed if the suspected case lives in the same district or adjacent districts where a measles outbreak has been laboratory confirmed and transmission is plausible.

Lab confirmed cases: A case that meets the clinical case definition and has laboratory-confirmation of measles virus infection

Incidence rate for confirmed measles: Number of total confirmed measles cases divided by total population per 100'000

Annualized incidence rate confirmed measles: Number of total confirmed cases divided by total population per 100 000 times 12 over total reported months

Discarded rate: Number of total discarded measles cases divided by total population per 100'000

Annualized discarded rate: Number of total discarded cases divided by total population per 100 000 times 12 over total reported months

