

## Reported measles cases and incidence rates by WHO Member States 2012, 2013 as of 10 September 2013

2013 data										2012 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	85	0				0.00	0.37	55	0.14	0.06
AFR	Angola	AGO	2949	2587	302	1255	1030	20.65	2.89	4470	21.47	2.56
AFR	Benin	BEN	710	573	208	259	106	9.52	2.27	285	2.84	2.47
AFR	Botswana	BWA	90	0				0.00	7.63	10	0.50	15.77
AFR	Burkina Faso	BFA	593	292	256		36	2.96	3.05	803	4.88	3.44
AFR	Burundi	BDI	17	0				0.00	0.29	48	0.49	0.53
AFR	Cameroon	CMR	1416	694	163	509	22	5.35	5.56	616	2.84	2.62
AFR	Cape Verde	CPV								0	0.00	0.20
AFR	Central African Republic (the)	CAF	479	333	165		168	12.37	5.42	67	1.48	2.70
AFR	Chad	TCD	209	139	121		18	1.86	0.94	153	1.23	0.25
AFR	Comoros (the)	COM										
AFR	Congo (the)	COG	410	105	98		7	4.05	11.76	249	5.74	4.40
AFR	Côte d'Ivoire	CIV	384	42	39		3	0.35	2.89	152	0.77	4.49
AFR	Democratic Republic of the Congo (the)	COD	2273	1111	595		516	2.82	2.95	2332	3.55	2.87
AFR	Equatorial Guinea	GNQ	3	0				0.00	0.68	8	1.09	2.72
AFR	Eritrea	ERI	108	41	39		2	1.11	1.81	95	1.55	2.43
AFR	Ethiopia	ETH	4757	2177	1038	986	153	3.97	4.70	4616	5.03	3.48
AFR	Gabon	GAB	195	100	92		8	10.25	9.74	7	0.43	3.92
AFR	Gambia (the)	GMB	48	0				0.00	4.45	0	0.00	5.08
AFR	Ghana	GHA	700	259	227		32	1.71	2.92	344	1.36	4.85
AFR	Guinea	GIN	78	78			78	1.14	0.00	14	0.12	1.10
AFR	Guinea-Bissau	GNB								5	0.30	0.18
AFR	Kenya	KEN	593	177	97	41	39	0.68	1.61	2380	5.51	2.56
AFR	Lesotho	LSO	87	5			5	0.41	6.78	0	0.00	8.73
AFR	Liberia	LBR	16	0				0.00	0.64	4	0.10	0.91
AFR	Madagascar	MDG	397	3	1		2	0.02	2.95	3	0.01	2.30
AFR	Malawi	MWI	67	3			3	0.03	0.67	10	0.06	1.55
AFR	Mali	MLI	439	273	81	79	113	3.06	1.86	366	2.46	1.23
AFR	Mauritania	MRT	29	7	2		5	0.31	0.97	3	0.08	1.19
AFR	Mauritius	MUS										
AFR	Mozambique	MOZ	366	24	4		20	0.16	2.27	135	0.54	5.04
AFR	Namibia	NAM	282	120	38	37	45	8.93	12.06	112	4.96	15.84

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AFR	Niger (the)	NER	1131	738	634		104	7.10	3.78	311	1.81	1.94
AFR	Nigeria	NGA	52921	50036	2597	39332	8107	49.41	2.85	6423	3.80	2.70
AFR	Rwanda	RWA	446	14	13		1	0.20	6.29	79	0.69	5.86
AFR	Sao Tome and Principe	STP										
AFR	Senegal	SEN	402	10	9		1	0.12	4.75	53	0.39	2.10
AFR	Seychelles	SYC										
AFR	Sierra Leone	SLE	53	9	9			0.25	1.24	38	0.64	1.42
AFR	South Africa	ZAF	1932	16	3		13	0.05	6.22	38	0.07	12.73
AFR	Swaziland	SWZ	151	0				0.00	20.72	0	0.00	7.23
AFR	Togo	TGO	421	260	219		41	6.54	4.05	259	3.90	2.89
AFR	Uganda	UGA	1118	344	80	166	98	1.57	3.53	720	1.98	3.61
AFR	United Republic of Tanzania	TZA	341	280	16		264	0.97	0.21	1127	2.36	1.13
AFR	Zambia	ZMB	124	0				0.00	1.46	562	3.99	2.37
AFR	Zimbabwe	ZWE	335	1			1	0.01	4.05	0	0.00	2.03
AMR	Antigua and Barbuda	ATG	0	0				0.00	0.00	0	0.00	0.00
AMR	Argentina	ARG	166	0				0.00	0.69	3	0.01	0.86
AMR	Bahamas (the)	BHS	2	0				0.00	0.91	0	0.00	1.08
AMR	Barbados	BRB	1	0				0.00	0.60	0	0.00	2.47
AMR	Belize	BLZ	49	0				0.00	25.31	0	0.00	28.08
AMR	Bolivia (Plurinational State of)	BOL	82	0				0.00	1.32	0	0.00	2.06
AMR	Brazil	BRA	3206	101	101			0.09	2.66	2	0.00	3.04
AMR	Canada	CAN		33	33			0.16		9	0.03	
AMR	Chile	CHL	82	0				0.00	0.80	0	0.00	1.05
AMR	Colombia	COL	1322	1	1			0.00	4.69	1	0.00	5.72
AMR	Costa Rica	CRI	16	0				0.00	0.56	0	0.00	0.73
AMR	Cuba	CUB	665	0	0			0.00	10.12	0	0.00	11.08
AMR	Dominica	DMA	1	0				0.00	2.38	0	0.00	0.00
AMR	Dominican Republic (the)	DOM	44	0				0.00	0.73	0	0.00	1.32
AMR	Ecuador	ECU								82	0.53	12.03
AMR	El Salvador	SLV	16	0				0.00	0.43	0	0.00	6.99
AMR	Grenada	GRD	0	0				0.00	0.00	0	0.00	0.00
AMR	Guatemala	GTM	179	0				0.00	1.98	0	0.00	2.56

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AMR	Guyana	GUY	29	0				0.00	6.22	0	0.00	6.29
AMR	Haiti	HTI	277	0				0.00	4.60	0	0.00	1.27
AMR	Honduras	HND	72	0				0.00	1.52	0	0.00	1.22
AMR	Jamaica	JAM	130	0				0.00	8.01	0	0.00	13.18
AMR	Mexico	MEX	3039	0	0			0.00	4.26	0	0.00	4.84
AMR	Nicaragua	NIC	126	0				0.00	3.55	0	0.00	2.19
AMR	Panama	PAN	103	0				0.00	4.57	0	0.00	3.26
AMR	Paraguay	PRY	344	0				0.00	8.67	0	0.00	10.53
AMR	Peru	PER	273	0				0.00	1.54	0	0.00	2.14
AMR	Saint Kitts and Nevis	KNA	0	0				0.00	0.00	0	0.00	1.87
AMR	Saint Lucia	LCA	0	0				0.00	0.00	0	0.00	0.00
AMR	Saint Vincent and the Grenadines	VCT	1	0				0.00	1.57	0	0.00	0.00
AMR	Suriname	SUR	18	0				0.00	5.72	0	0.00	5.99
AMR	Trinidad and Tobago	TTO	3	0				0.00	0.38	0	0.00	0.45
AMR	United States of America (the)	USA		143	143			0.08		55	0.02	
AMR	Uruguay	URY								0	0.00	0.29
AMR	Venezuela (Bolivarian Republic of)	VEN	155	0				0.00	0.87	1	0.00	2.39
EMR	Afghanistan	AFG	479	316	299	17		1.77	0.91	2671	8.96	2.89
EMR	Bahrain	BHR	145	0				0.00	18.66	0	0.00	17.53
EMR	Djibouti	DJI										
EMR	Egypt	EGY	793	89	89			0.19	1.47	241	0.30	1.18
EMR	Iran (Islamic Republic of)	IRN	2480	105	105			0.23	5.26	222	0.29	0.04
EMR	Iraq	IRQ	1351	528	506	21	1	2.68	4.18	21	0.06	0.95
EMR	Jordan	JOR	81	30	29	1		0.71	1.20	3	0.04	0.90
EMR	Kuwait	KWT	234	89	89			4.53	7.38	27	0.83	0.86
EMR	Lebanon	LBN	1439	1321	436	72	813	46.96	4.20	9	0.19	0.84
EMR	Libya	LBY	103	60	60			1.66	1.19	325	5.28	2.66
EMR	Morocco	MAR	95	55	55			0.29	0.21	291	0.89	0.01
EMR	Oman	OMN	502	0				0.00	23.69	3	0.09	20.58
EMR	Pakistan	PAK	6465	5969	5969			5.62	0.47	8048	4.49	1.76
EMR	Qatar	QAT	110	40	40			3.16	5.53	165	8.05	20.82
EMR	Saudi Arabia	SAU	193	104	104			0.62	0.53	281	0.99	0.06

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EMR	Somalia	SOM	63	58	55	2	1	0.95	0.08	140	1.37	0.76
EMR	South Sudan	SSD	469	444	109	10	325	6.74	0.38	1969	18.17	0.74
EMR	Sudan (the)	SDN	2864	2151	727	1372	52	9.71	3.22	8521	22.91	2.51
EMR	Syrian Arab Republic (the)	SYR	583	441	387	54		3.45	1.11	13	0.06	0.11
EMR	Tunisia	TUN	129	7	7			0.11	1.90	48	0.44	9.15
EMR	United Arab Emirates (the)	ARE	123	119	94	3	22	2.18	0.07	90	0.98	1.56
EMR	Yemen	YEM	1241	291	73	217	1	2.04	6.67	2168	9.09	3.23
EUR	Albania	ALB	0	0				0.00	0.00	0	0.00	0.28
EUR	Andorra	AND	0	0				0.00	0.00	0	0.00	0.00
EUR	Armenia	ARM	65	12	7	5		0.69	3.05	0	0.00	0.74
EUR	Austria	AUT	31	31	18	12	1	0.63	0.00	35	0.41	0.00
EUR	Azerbaijan	AZE	846	446	73	1	372	8.12	7.28	2	0.02	1.28
EUR	Belarus	BLR	6	6	6			0.11	0.00	10	0.11	0.00
EUR	Belgium	BEL	93	43	19	1	23	0.66	0.77	111	1.00	0.90
EUR	Bosnia and Herzegovina	BIH										
EUR	Bulgaria	BGR	15	15	13	1	1	0.36	0.00	1	0.01	0.00
EUR	Croatia	HRV	0	0				0.00	0.00	3	0.07	0.00
EUR	Cyprus	CYP	0	0				0.00	0.00	1	0.09	0.00
EUR	Czech Republic (the)	CZE	14	14	13	1		0.22	0.00	21	0.20	0.00
EUR	Denmark	DNK	17	17	17			0.52	0.00	2	0.04	0.00
EUR	Estonia	EST	20	2	2			0.27	2.40	4	0.31	0.15
EUR	Finland	FIN	2	2	2			0.06	0.00	4	0.07	0.00
EUR	France	FRA	190	190	82	10	98	0.51	0.00	859	1.34	0.00
EUR	Georgia	GEO	6588	6451	681	243	5527	254.76	5.41	30	0.69	1.93
EUR	Germany	DEU	1385	1385	840	354	191	2.87	0.00	168	0.20	0.00
EUR	Greece	GRC	2	2	2			0.03	0.00	3	0.03	0.00
EUR	Hungary	HUN	1	1	1			0.02	0.00	1	0.01	0.01
EUR	Iceland	ISL	0	0				0.00	0.00	0	0.00	0.00
EUR	Ireland	IRL	32	32	11	7	14	1.19	0.00	105	2.29	0.00
EUR	Israel	ISR	54	54	16	5	33	1.20	0.00	149	1.95	0.00
EUR	Italy	ITA	113	106	76	15	15	0.30	0.02	691	1.13	0.04
EUR	Kazakhstan	KAZ	13	13	9	4		0.14	0.00	109	0.67	0.00



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SEAR	Indonesia	IDN	4631	3302	63	71	3168	2.27	0.91	16411	6.65	1.51
SEAR	Maldives	MDV	0	0	0	0	0	0.00	0.00	0	0.00	0.00
SEAR	Myanmar	MMR	1086	963	44	919	0	3.10	0.40	2164	4.10	0.41
SEAR	Nepal	NPL	167	42	5	0	37	0.26	0.77	515	1.87	5.11
SEAR	Sri Lanka	LKA	1636	1401	1186	0	215	11.29	1.89	61	0.29	0.51
SEAR	Thailand	THA	1698	1282	202	39	1041	3.28	1.06	4072	6.10	1.90
SEAR	Timor-Leste	TLS	0	0	0	0	0	0.00	0.00	12	1.08	0.00
WPR	Australia	AUS	29	29	24	5		0.21	0.00	199	0.86	0.00
WPR	Brunei Darussalam	BRN	10	0				0.00	4.10	1	0.24	1.46
WPR	Cambodia	KHM	390	0				0.00	4.42	0	0.00	6.62
WPR	China	CHN	61607	22950	22006	239	705	2.84	4.78	6091	0.44	2.32
WPR	Cook Islands	COK	0	0				0.00	0.00	0	0.00	0.00
WPR	Fiji	FJI	28	0				0.00	5.45	0	0.00	21.03
WPR	Japan	JPN	354	148	100	3	45	0.20	0.28	228	0.18	0.14
WPR	Kiribati	KIR	0	0				0.00	0.00	0	0.00	0.00
WPR	Lao People's Democratic Republic (the)	LAO	481	68	23	45		1.72	10.46	36	0.54	7.36
WPR	Malaysia	MYS	4459	163	137	3	23	0.94	24.78	1868	6.39	22.80
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	126	0				0.00	7.61	0	0.00	22.39
WPR	Nauru	NRU	0	0				0.00	0.00	0	0.00	0.00
WPR	New Zealand	NZL	4	1	1			0.04	0.11	55	1.23	0.34
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	43	5	5			0.12	0.89	0	0.00	0.59
WPR	Philippines (the)	PHL	2363	610	341	69	200	1.06	3.05	1536	1.59	2.14
WPR	Republic of Korea (the)	KOR	379	84	82		2	0.29	1.03	2	0.00	0.25
WPR	Samoa	WSM	0	0				0.00	0.00	0	0.00	0.00
WPR	Singapore	SGP	55	16	11		5	0.51	1.24	40	0.75	0.58
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	599	203	47	43	113	0.38	0.74	637	0.70	0.87

**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















