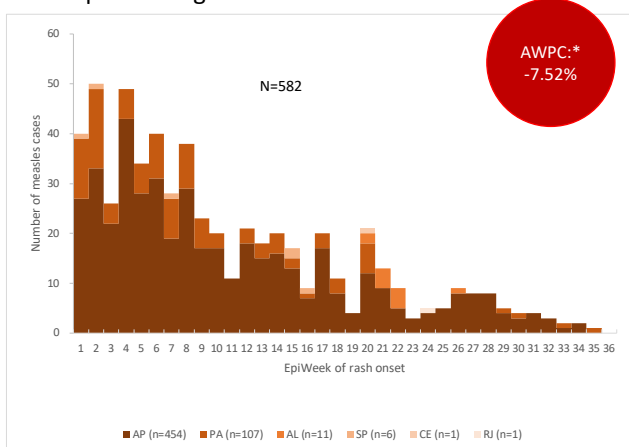




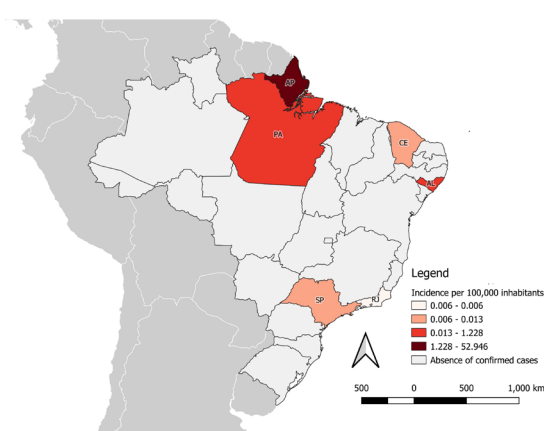
Measles hotspots in Brazil, 2021

Distribution of confirmed measles cases by epidemiological week and subnational level



*AWPC: Average Weekly Percent Change indicator was used as part of the statistical regression model joint point of a time series analysis.
AP (Amapá), PA (Pará) AL (Alagoas), SP (Sao Paulo), CE (Ceara), RJ (Rio de Janeiro)

Measles incidence rate per 100,000 population by subnational level



Data as of epidemiological week 36, 2021 | Source: Boletim de Notificação Semanal (BNS-36/2021)

Measles virus continues circulating in Brazil, amidst several vaccination actions among susceptible population. The state of Amapá concentrates the largest numbers of cases in 2021 (78%). Nevertheless, there is a decreased in the notification of confirmed cases, with an average weekly percent reduction of -7.52%, due to the intensification of vaccination and improving of surveillance quality. Outbreaks are still active in the states of Amapá, Pará, and Alagoas.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-38, 2021

Subregion and Country	Susp. Cases 2021	Measles Confirmed 2021				Year/Week Last Conf. Measles case	Rubella Confirmed 2021			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2021		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND	BOL	59	0	0	...	0	2020-16	0	0	0	2006-03	4	55	30	0	0	...
	COL	717	0	0	...	0	2020-09	0	0	0	2012-31	0	565	157	0	0	2005-34
	ECU	106	0	0	...	0	2018-33	...	...	...	2004-49	4	84	0	0	0	2011-14
	PER	44	0	0	...	0	2019-18	0	0	0	2009-04	0	41	0	0	0	2007-16
	VEN	936	0	0	...	0	2019-33	0	0	0	2007-51	33	624	0	0	0	...
BRA	BRA	1941	130	452	...	582	2021-34	0	0	0	2014-40	0	1169	35	0	0	2009-34
CAP	CRI	14	0	0	...	0	2019-13	0	0	0	2001-39	0	12	62	0	0	...
	GTM	65	0	0	...	0	2018-03	0	0	0	2006-31	1	64	1	0	0	2005-00
	HND	33	0	0	...	0	1998-16	0	0	0	2004-11	0	33	13	0	0	2001-00
	NIC	118	0	0	...	0	1994-14	0	0	0	2004-19	0	115	41	0	0	2005-00
	PAN	17	0	0	...	0	2011-20	0	0	0	2002-48	0	17	0	0	0	...
	SLV	267	0	0	...	0	2001-19	0	0	0	2006-30	0	267	0	0	0	2001-00
CAR	CAR	5	0	0	...	0	2019-48	0	0	0	2008-18	0	4	0	0	0	1999-00
LAC	CUB	85	0	0	...	0	2019-24	0	0	0	2004-06	0	85	0	0	0	1989-10
	DOM	27	0	0	...	0	2011-18	0	0	0	2007-45	1	22	0	0	0	...
	HTI	112	0	0	...	0	2001-39	0	0	0	2006-21	0	84	23	0	0	...
MEX	MEX	940	0	0	...	0	2020-23	0	0	0	2018-14	0	900	0	0	0	...
NOA	CAN	...	...	...	...	0	2020-06	0	0	0	2019-50	0	0	0	...	...	2018-39
	USA	...	...	19	1	20	2021-16	0	0	0	2019-03	0	0	0	...	...	2017-00
SOC	ARG	37	0	0	...	0	2020-12	0	0	0	2019-47	0	37	0	0	0	2009-27
	CHL	26	0	0	...	0	2020-03	0	0	0	2019-14	0	25	76	0	0	...
	PRY	415	0	0	...	0	1998-44	0	0	0	2005-21	1	400	5	0	0	2003-06
	URY	0	0	0	...	0	2020-07	0	0	0	2001-37	0	0	0	0	0	...
TOTAL		5964	130	454	--	602	--	0	0	0	--	44	4603	443	0	0	--

*Congenital Rubella Infection.

...No updated report received



Measles, Rubella, and Congenital Rubella Syndrome Surveillance in the Americas

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Table No.2
Infection Source of Measles and Rubella Confirmed Cases
for the Period of Weeks 01-38, 2021

Subregion and Country	Measles				Rubella		
	I	IR	En.	U	I	IR	U
AND							
BOL							
COL							
ECU							
PER							
VEN				582			
BRA							
CAP							
CRI							
GTM							
HND							
NIC							
PAN							
SLV							
CAR							
LAC							
CUB							
DOM							
HTI							
MEX							
NOA							
CAN							
USA	19	1					
SOC							
ARG							
CHL							
PRY							
URY							
TOTAL	19	1	0	582	0	0	0

I: Imported; IR: Import-related; En: Endemic case; U: Unknown. received

Table No.3
Measles/Rubella Suspect Cases Under Investigation
for the Period of Weeks 01-38, 2021

Country	Pending Cases 2020	Cumulative 2021	Week of Onset						% Pend. cases
			1-33	34	35	36	37	38	
BOL	0	0	0	0	0	0	0	0	0
COL	0	152	93	16	12	11	19	1	21
ECU	8	18	18	0	0	0	0	0	17
PER	0	3	1	0	1	1	0	0	7
VEN	3	35	29	2	3	1	0	0	4
BRA	511	190	124	22	34	10	0	...	10
CRI	0	2	2	...	...	...	...	...	14
GTM	0	0	0	0	0	0	0	0	0
HND	0	0	0	0	0	0	0	0	0
NIC	0	3	2	0	1	0	0	0	3
PAN	0	0	0	...	...	...	...	...	0
SLV	0	0	0	0	0	0	0	0	0
CAR	0	1	1	0	0	0	0	0	20
CUB	0	0	0	...	...	...	...	...	0
DOM	1	4	0	1	1	0	2	0	15
HTI	18	28	27	0	1	0	0	0	25
MEX	152	40	13	2	8	4	5	8	4
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	2	0	0	0	0	0	0	0	0
CHL	0	1	1	0	0	0	0	0	4
PRY	0	14	4	1	3	1	2	3	3
URY	1	0	0	...	...	...	...	...	0
TOTAL	696	491	315	44	64	28	28	12	8

... No updated report

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-38, 2021

Subregion and Country	Sites Reporting Weekly		% Cases with Adequate Investigation	% Cases with Adequate Sample	% Blood Samples Received in Lab. ≤5 days	% Lab. Results ≤4 days	Rate of Suspected Cases Last 52 weeks (2020/40-2021/38)	
	Total Units	% This Week					Measles/Rubella (100,000 pop.) ^a	CRS (10,000 lb) ^a
AND								
BOL	2657	...	98	100	95	93	1.1	1.3
COL	5280	...	32	0	0	0	1.7	6.5
ECU	2184	...	85	75	54	79	0.9	0.0
PER	7781	...	80	75	69	46	0.2	0.0
VEN	13092	...	92	94	27	29	0.8	0.0
BRA	...	...	...	...	99	94	1.2	0.2
CAP								
CRI	82	...	100	100	100	29	0.3	28.2
GTM	1541	83	100	98	77	95	0.5	0.0
HND	469	93	97	100	94	85	0.7	1.1
NIC	185	...	100	97	96	94	2.4	4.9
PAN	324	...	71	94	71	94	0.4	0.0
SLV	1295	90	87	100	99	97	4.9	0.0
CAR	758	77	0	60	0	75	0.1	1.0
LAC								
CUB	168	...	100	100	100	100	4.2	0.0
DOM	247	...	22	89	71	54	0.3	0.0
HTI	659	93	88	95	47	68	1.2	2.8
MEX	20214	90	91	100	96	96	1.0	0.0
NOA								
CAN	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...
SOC								
ARG	784	...	0	89	70	24	0.1	0.0
CHL	788	61	65	81	79	88	0.2	3.5
PRY	1347	97	75	95	77	94	6.8	0.3
URY	155	...	0	0	0	0	0.0	0.0
Total and Average*	60010	40	78	96	81	81	1.1	1.0

*Weighted

... No updated report received

(a) Source (population data): United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition. International Programs Center, Population Division, U.S. Census Bureau IDB Release Date: September 2019.