

Measles Update

American Samoa Department of Health

October 17, 2019



Public Health
Prevent. Promote. Protect.

American Samoa
Department of Health

Measles Outbreak in Neighboring Samoa

- A total of **7 laboratory confirmed measles** cases in Samoa (Victorian Infectious Disease Reference, Australia)
- Source: Newsline Samoa (Oct. 15 2019)

[pacnet] Samoa MoH declares outbreak of measles



Inbox x

BIAUKULA, Viema Lewagalu biaukulav@who.int via g... Tue, Oct 15, 2:38 PM (1 day ago)
to Pacific, WP ▾



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Dear Colleagues in the Pacific,

The Samoa Ministry of Health (MoH) have announced an outbreak of measles. Of 36 samples collected from suspected cases; there have 7 confirmed cases by the Victorian Infectious Disease Reference Laboratory, Melbourne, Australia. The Samoa MoH is advising and encouraging people to get vaccinated against measles.

Measles

- **Public Health Priority:** Urgent
- **Suspected case definition:** Fever, raised red non-blistering rash, cough, runny nose or conjunctivitis
- **Confirmed case definition:** Culture of measles virus, detection of measles by PCR, significant rise in serum measles antibodies, positive serologic test for measles IgM antibodies
 - **Number of cases required to trigger notification and investigation:** 1

Measles (cont.)

- **Signs and Symptoms:** Measles rash, Koplik spots, Measles conjunctivitis
- **Disease transmission:** Airborne (sneezing, coughing or by contact with secretions),
Measles is one of the most contagious diseases
 - **Incubation period:** Usually 10 days, range 7 to 18 days
- **Prevention:** High MMR immunization rates prevent measles outbreak



Measles Rash



Koplik Spots



Measles conjunctivitis

Measles, Mump, Rubella (MMR) Vaccine Coverage (SY 2019-2020) Public & Private Schools

American Samoa Department of Health
Epidemiology Division

Eastern District Public Schools (K5-Grade 12)

School	2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
A.P Lutali	46 (70.8%)	14 (21.5%)	5 (7.7%)	60 (92.3%)
Afonotele Elementary	32 (62.7%)	10 (19.6%)	9 (17.6%)	42 (82.3%)
Alofau Elementary	82 (71.3%)	11 (9.6%)	22 (19.1%)	93 (80.9%)
Aua Elementary	210 (62.3%)	73 (21.7%)	54 (16%)	283 (84%)
Faga'itua High	321 (67.3%)	58 (12.2%)	98 (20.5%)	379 (79.5%)
Lauli'i Elementary	93 (62.4%)	28 (18.8%)	28 (18.8%)	121 (81.2%)
Le'atele Elementary	36 (62.1%)	13 (22.4%)	9 (15.5%)	49 (84.5%)
Masefau Elementary	52 (75.4%)	6 (8.7%)	11 (15.9%)	58 (84.1%)
Matafao Elementary	305 (62.9%)	104 (21.4%)	76 (15.7%)	409 (84.3%)
Matatula Elementary	99 (72.8%)	17 (12.5%)	20 (14.7%)	116 (85.3%)
Mt. Alava Elementary	38 (59.4%)	14 (21.9%)	12 (18.8%)	52 (81.3%)
Olomoana Elementary	58 (72.5%)	9 (11.3%)	13 (16.3%)	67 (83.8%)
Peter Coleman Elementary	323 (62.2%)	101 (19.5%)	94 (18.1%)	424 (81.7%)
Samoana High School	533 (62.4%)	153 (17.9%)	169 (19.8%)	686 (80.3%)

Western District Public Schools (K5-Grade 12)

School	2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
Alatau-Lua Elementary	98 (60.9%)	24 (14.9%)	39 (24.2%)	122 (75.8%)
Fagali'i Elementary	45 (69.2%)	10 (15.4%)	10 (15.4%)	55 (84.6%)
Leone High	386 (53.7%)	102 (14.2%)	231 (32.1%)	488 (67.9%)
Leone Midkiff Elementary	482 (65%)	114 (15.4%)	145 (19.6%)	596 (80.4%)
Lupelele Elementary	366 (61.3%)	130 (21.8%)	101 (16.9%)	496 (83.1%)
Manulele Elementary	516 (59.5%)	182 (21%)	169 (19.5%)	698 (80.5%)
Nu'uuli Vocational Technical High	189 (63.4%)	46 (15.4%)	63 (21.1%)	235 (78.8%)
Pavaiai Elementary	553 (55.5%)	219 (22%)	222 (22.3%)	772 (77.5%)
Siliaga Elementary	93 (54.1%)	34 (19.8%)	45 (26.2%)	127 (73.9%)
Tafuna Elementary	418 (56.4%)	133 (17.9%)	188 (25.4%)	551 (74.3%)
Tafuna High	849 (66.5%)	165 (12.9%)	256 (20.1%)	1014 (79.4%)

Manu'a District Public Schools (K5-Grade 12)

School	2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
Olosega Elementary	31 (77.5%)	(0%)	8 (20%)	31 (77.5%)
Faleasao Elementary	50 (76.9%)	4 (6.2%)	11 (16.9%)	54 (83.1%)
Manu'a High	42 (87.5%)	1 (2.1%)	5 (10.4%)	43 (89.6%)
Fitiuta Elementary	27 (67.5%)	5 (12.5%)	8 (20%)	32 (80%)

Overall, Public Schools, (K5-Grade 12)

2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
6373 (62%)	1780 (17.3%)	2121 (20.6%)	8153 (79.3%)

Private Schools (K3-Grade 12)

School	2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
Manumalo	263 (66.4%)	60 (15.2%)	73 (18.4%)	323 (81.6%)
Samoa Baptist	139 (66.5%)	40 (19.1%)	30 (14.4%)	179 (85.6%)
Pacific Horizon	63 (60%)	25 (23.8%)	17 (16.2%)	88 (83.8%)
South Pacific Academy	148 (63.5%)	43 (18.5%)	42 (18%)	191 (82%)
Peteli Academy	76 (68.5%)	14 (12.6%)	21 (18.9%)	90 (81.1%)
Fa'asao/Marist	166 (69.2%)	20 (8.3%)	54 (22.5%)	186 (77.5%)
Iakina	162 (68.9%)	33 (14%)	40 (17%)	195 (82.9%)
SPICC	148 (67%)	26 (11.8%)	47 (21.3%)	174 (78.8%)
Kanana Fou Elem	198 (51.7%)	42 (11%)	143 (37.3%)	240 (62.7%)
Kanana Fou High	43 (45.3%)	20 (21.1%)	32 (33.7%)	63 (66.4%)
St Francis	63 (46.7%)	32 (23.7%)	40 (29.6%)	95 (70.4%)
St Theresa	74 (59.7%)	26 (21%)	24 (19.4%)	100 (80.7%)
Totals	1543 (62%)	381 (15.3%)	563 (22.6%)	1924 (77.3%)

Overall, Public & Private Schools (K3-Grade 12)

School	2 doses of MMR administered	Only 1 dose of MMR administered	No Record	At least 1 dose of MMR administered
Public	6373 (62%)	1780 (17.3%)	2121 (20.6%)	8153 (79.3%)
Private	1543 (62%)	381 (15.3%)	563 (22.6%)	1924 (77.3%)
Total	7916 (62%)	2161 (16.9%)	2684 (21%)	10077 (78.9%)