



I. Measles Cases in the Philippines

- From March 15 to 19, 2019 the Epidemiology Bureau received and validated 1,571 measles cases. This figure brings to a cumulative total of 22,967 cases from January 01 to March 19, 2019.(Table 1)

Table 1. Cumulative Measles Cases by Region, Philippines, 2018 vs 2019

| Region | 2018 | | | 2019 | | |
|---------------|--------------|-----------|----------|---------------|------------|----------|
| | Cases | Deaths | %CFR | Cases | Deaths | %CFR |
| PHL | 4,818 | 43 | 1 | 22,967 | 333 | 1 |
| 01 | 69 | 0 | 0 | 975 | 11 | 1 |
| 02 | 10 | 0 | 0 | 333 | 2 | 1 |
| 03 | 107 | 3 | 3 | 3,640 | 55 | 2 |
| 04A | 107 | 1 | 1 | 4,740 | 96 | 2 |
| 04B | 13 | 0 | 0 | 943 | 8 | 1 |
| 05 | 9 | 0 | 0 | 671 | 6 | 1 |
| 06 | 58 | 0 | 0 | 1,323 | 5 | 0 |
| 07 | 81 | 0 | 0 | 1,090 | 10 | 1 |
| 08 | 7 | 0 | 0 | 994 | 24 | 2 |
| 09 | 727 | 3 | 0 | 296 | 1 | 0 |
| 10 | 420 | 1 | 0 | 1,139 | 10 | 1 |
| 11 | 802 | 12 | 1 | 479 | 7 | 1 |
| 12 | 427 | 5 | 1 | 470 | 4 | 1 |
| ARMM | 1,606 | 12 | 1 | 449 | 4 | 1 |
| CAR | 14 | 0 | 0 | 366 | 1 | 0 |
| CARAGA | 56 | 1 | 2 | 547 | 2 | 0 |
| NCR | 305 | 5 | 2 | 4,512 | 87 | 2 |

- Regions with high number of reported deaths in relation to Case Fatality ratio (CFR) are the following:

- Region 08 24 deaths (2% CFR)
- NCR 87 deaths (2% CFR)
- Region 04A 96 deaths (2% CFR)
- Region 03 55 deaths (2% CFR)

| January 01 to March 19, 2019 | | | |
|---|-----------|---------------|--|
| Summary of Reports | | | |
| Measles Cases | - | 22,967 | |
| Lab-confirmed Measles | - | 682 | |
| Epi-linked Confirmed Measles | - | 437 | |
| Measles Compatible | - | 13,300 | |
| Pending | - | 8,548 | |
| Profile of Measles Cases | n= | 22,967 | |
| Age: <1 mo to 88 yrs (median: 3 yrs) | | | |
| Most affected age group | | | |
| - 1-4 yrs. | 6,551 | 29% | |
| - less than 9 mos. | 5,826 | 25% | |
| Sex: Female 10,845 47% | | | |
| Male | 12,122 | 53% | |
| Vaccination Status | | | |
| Not vaccinated | 13,549 | 59% | |
| < 6 mos old | 2,403 | 18% | |
| ≥ 6 mos old | 11,014 | 81% | |
| No data | 132 | 1% | |
| 1 dose | 1,279 | 6% | |
| 2 or more doses | 518 | 2% | |
| Unknown no. of doses | 3,774 | 16% | |
| Unknown vaccination status | 3,847 | 17% | |
| Outcome | | | |
| Alive | 22,634 | 99% | |
| Died | 333 | 1% | |
| Profile of Measles Deaths n = 333 | | | |
| Age: <1 mo to 36 yrs (median: 1 yr) | | | |
| Most affected age group | | | |
| - 1-4 yrs. | 147 | 44% | |
| - less than 9 mos. | 133 | 40% | |
| Sex: Female 134 40% | | | |
| Male | 199 | 60% | |
| Vaccination Status | | | |
| Not vaccinated | 260 | 78% | |
| < 6 mos old | 59 | 23% | |
| ≥ 6 mos old | 201 | 77% | |
| No data | - | - | |
| 1 dose | 15 | 5% | |
| 2 or more doses | 5 | 2% | |
| Unknown no. of doses | 15 | 5% | |
| Unknown vaccination status | 38 | 11% | |

Note: Case counts reported here do NOT represent the final number and are subject to change after inclusion of delayed reports and review of cases. Total percentages may not add up to 100 due to rounding off of figures.



Annex A. Measles Cases by Region and Province, Philippines 2018 vs 2019

| REGION/PROVINCE/CITY | 2018 | | | 2019 | | |
|-----------------------------------|--------------|-----------|----------|---------------|------------|----------|
| | Cases | Deaths | %CFR | Cases | Deaths | %CFR |
| PHILIPPINES | 4,818 | 43 | 1 | 22,967 | 333 | 1 |
| REGION I - ILOCOS REGION | 69 | 0 | 0 | 975 | 11 | 1 |
| ILOCOS NORTE | 7 | 0 | 0 | 13 | 0 | 0 |
| ILOCOS SUR | 6 | 0 | 0 | 41 | 0 | 0 |
| LA UNION | 28 | 0 | 0 | 145 | 0 | 0 |
| PANGASINAN | 28 | 0 | 0 | 776 | 11 | 1 |
| REGION II - CAGAYAN VALLEY | 10 | 0 | 0 | 333 | 2 | 1 |
| BATANES | 0 | 0 | 0 | 0 | 0 | 0 |
| CAGAYAN | 2 | 0 | 0 | 82 | 1 | 1 |
| ISABELA | 7 | 0 | 0 | 160 | 0 | 0 |
| NUEVA VIZCAYA | 1 | 0 | 0 | 65 | 0 | 0 |
| QUIRINO | 0 | 0 | 0 | 26 | 1 | 4 |
| REGION III - CENTRAL LUZON | 107 | 3 | 3 | 3,639 | 55 | 2 |
| AURORA | 5 | 0 | 0 | 67 | 0 | 0 |
| BATAAN | 5 | 0 | 0 | 259 | 3 | 1 |
| BULACAN | 13 | 0 | 0 | 1,135 | 18 | 2 |
| NUEVA ECIJA | 5 | 0 | 0 | 353 | 4 | 1 |
| PAMPANGA | 51 | 1 | 2 | 885 | 15 | 2 |
| TARLAC | 23 | 2 | 9 | 552 | 6 | 1 |
| ZAMBALES | 5 | 0 | 0 | 388 | 9 | 2 |
| REGION IVA - CALABARZON | 107 | 1 | 1 | 4,740 | 96 | 2 |
| BATANGAS | 32 | 0 | 0 | 508 | 6 | 1 |
| CAVITE | 25 | 0 | 0 | 636 | 12 | 2 |
| LAGUNA | 15 | 0 | 0 | 716 | 10 | 1 |
| QUEZON | 10 | 0 | 0 | 465 | 5 | 1 |
| RIZAL | 25 | 1 | 4 | 2,415 | 63 | 3 |
| REGION IVB - MIMAROPA | 13 | 0 | 0 | 943 | 8 | 1 |
| MARINDUQUE | 1 | 0 | 0 | 20 | 0 | 0 |
| OCCIDENTAL MINDORO | 0 | 0 | 0 | 76 | 0 | 0 |
| ORIENTAL MINDORO | 9 | 0 | 0 | 705 | 6 | 1 |
| PALAWAN | 2 | 0 | 0 | 94 | 2 | 2 |
| ROMBLON | 1 | 0 | 0 | 48 | 0 | 0 |
| REGION V - BICOL REGION | 9 | 0 | 0 | 671 | 6 | 1 |
| ALBAY | 0 | 0 | 0 | 238 | 0 | 0 |
| CAMARINES NORTE | 0 | 0 | 0 | 37 | 0 | 0 |
| CAMARINES SUR | 9 | 0 | 0 | 171 | 2 | 1 |
| CATANDUANES | 0 | 0 | 0 | 12 | 0 | 0 |
| MASBATE | 0 | 0 | 0 | 100 | 3 | 3 |
| SORSOGON | 0 | 0 | 0 | 113 | 1 | 1 |

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Annex A. Measles Cases by Region and Province, Philippines 2018 vs 2019

| REGION/PROVINCE/CITY | 2018 | | | 2019 | | |
|--|------------|-----------|----------|--------------|-----------|----------|
| | Cases | Deaths | %CFR | Cases | Deaths | %CFR |
| REGION VI - WESTERN VISAYAS | 58 | 0 | 0 | 1,323 | 5 | 0 |
| AKLAN | 17 | 0 | 0 | 98 | 0 | 0 |
| ANTIQUE | 16 | 0 | 0 | 227 | 1 | 0 |
| CAPIZ | 4 | 0 | 0 | 63 | 1 | 2 |
| GUIMARAS | 0 | 0 | 0 | 13 | 0 | 0 |
| ILOILO | 9 | 0 | 0 | 306 | 0 | 0 |
| NEGROS OCCIDENTAL | 12 | 0 | 0 | 616 | 3 | 0 |
| REGION VII - CENTRAL VISAYAS | 81 | 0 | 0 | 1,090 | 10 | 1 |
| BOHOL | 0 | 0 | 0 | 107 | 0 | 0 |
| CEBU | 10 | 0 | 0 | 735 | 10 | 1 |
| NEGROS ORIENTAL | 65 | 0 | 0 | 238 | 0 | 0 |
| SIQUIJOR | 6 | 0 | 0 | 10 | 0 | 0 |
| REGION VIII - EASTERN VISAYAS | 7 | 0 | 0 | 994 | 24 | 2 |
| BILIRAN | 2 | 0 | 0 | 35 | 0 | 0 |
| EASTERN SAMAR | 0 | 0 | 0 | 31 | 1 | 3 |
| LEYTE | 0 | 0 | 0 | 586 | 15 | 3 |
| NORTHERN SAMAR | 0 | 0 | 0 | 24 | 0 | 0 |
| SAMAR | 2 | 0 | 0 | 303 | 8 | 3 |
| SOUTHERN LEYTE | 3 | 0 | 0 | 15 | 0 | 0 |
| REGION IX - ZAMBOANGA PENINSULA | 727 | 3 | 0 | 296 | 1 | 0 |
| BASILAN9 | 62 | 0 | 0 | 17 | 0 | 0 |
| ZAMBOANGA DEL NORTE | 113 | 0 | 0 | 72 | 0 | 0 |
| ZAMBOANGA DEL SUR | 420 | 2 | 0 | 157 | 1 | 1 |
| ZAMBOANGA SIBUGAY | 132 | 1 | 1 | 50 | 0 | 0 |
| REGION X - NORTHERN MINDANAO | 420 | 1 | 0 | 1,139 | 10 | 1 |
| BUKIDNON | 47 | 0 | 0 | 480 | 3 | 1 |
| CAMIGUIN | 1 | 0 | 0 | 3 | 0 | 0 |
| LANAO DEL NORTE | 235 | 0 | 0 | 161 | 0 | 0 |
| MISAMIS OCCIDENTAL | 48 | 0 | 0 | 78 | 0 | 0 |
| MISAMIS ORIENTAL | 89 | 1 | 1 | 417 | 7 | 2 |
| REGION XI - DAVAO REGION | 802 | 12 | 1 | 479 | 7 | 1 |
| COMPOSTELA VALLEY | 92 | 0 | 0 | 46 | 1 | 2 |
| DAVAO DEL NORTE | 170 | 1 | 1 | 78 | 1 | 1 |
| DAVAO DEL SUR | 494 | 10 | 2 | 267 | 5 | 2 |
| DAVAO OCCIDENTAL | 7 | 1 | 14 | 14 | 0 | 0 |
| DAVAO ORIENTAL | 39 | 0 | 0 | 74 | 0 | 0 |
| REGION XII - SOCCSKSARGEN | 427 | 5 | 1 | 470 | 4 | 1 |
| COTABATO CITY | 147 | 3 | 2 | 47 | 0 | 0 |
| GENERAL SANTOS CITY | 18 | 0 | 0 | 67 | 0 | 0 |
| NORTH COTABATO | 113 | 0 | 0 | 98 | 0 | 0 |
| SARANGANI | 16 | 0 | 0 | 99 | 3 | 3 |
| SOUTH COTABATO | 78 | 2 | 3 | 117 | 1 | 1 |
| SULTAN KUDARAT | 55 | 0 | 0.0 | 42 | 0 | 0 |

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| REGION/PROVINCE/CITY | 2018 | | | 2019 | | |
|----------------------|--------------|-----------|----------|--------------|-----------|----------|
| | Cases | Deaths | %CFR | Cases | Deaths | %CFR |
| ARMM | 1,606 | 12 | 1 | 449 | 4 | 1 |
| BASILAN | 97 | 0 | 0 | 10 | 0 | 0 |
| LANAO DEL SUR | 430 | 2 | 0 | 268 | 0 | 0 |
| MAGUINDANAO | 878 | 5 | 1 | 151 | 4 | 3 |
| SULU | 177 | 5 | 3 | 6 | 0 | 0 |
| TAWI-TAWI | 24 | 0 | 0 | 14 | 0 | 0 |
| CAR | 14 | 0 | 0 | 366 | 1 | 0 |
| ABRA | 1 | 0 | 0 | 18 | 0 | 0 |
| APAYAO | 3 | 0 | 0 | 29 | 0 | 0 |
| BENGUET | 3 | 0 | 0 | 127 | 1 | 1 |
| BAGUIO CITY | 1 | 0 | 0 | 160 | 0 | 0 |
| IFUGAO | 4 | 0 | 0 | 16 | 0 | 0 |
| KALINGA | 0 | 0 | 0 | 5 | 0 | 0 |
| MOUNTAIN PROVINCE | 2 | 0 | 0 | 11 | 0 | 0 |
| CARAGA | 56 | 1 | 2 | 547 | 2 | 0 |
| AGUSAN DEL NORTE | 7 | 0 | 0 | 80 | 0 | 0 |
| AGUSAN DEL SUR | 15 | 1 | 7 | 136 | 2 | 1 |
| DINAGAT ISLANDS | 0 | 0 | 0 | 25 | 0 | 0 |
| SURIGAO DEL NORTE | 4 | 0 | 0 | 229 | 0 | 0 |
| SURIGAO DEL SUR | 30 | 0 | 0 | 77 | 0 | 0 |
| NCR | 305 | 5 | 2 | 4,513 | 87 | 2 |
| CALOOCAN CITY | 19 | 0 | 0 | 504 | 12 | 2 |
| LAS PIÑAS CITY | 0 | 0 | 0 | 100 | 3 | 3 |
| MAKATI CITY | 10 | 0 | 0 | 56 | 0 | 0 |
| MALABON CITY | 0 | 0 | 0 | 173 | 3 | 2 |
| MANDALUYONG CITY | 3 | 0 | 0 | 66 | 0 | 0 |
| MANILA | 91 | 1 | 1 | 916 | 22 | 2 |
| MARIKINA CITY | 9 | 0 | 0 | 215 | 4 | 2 |
| MUNTINLUPA CITY | 3 | 0 | 0 | 102 | 1 | 1 |
| NAVOTAS | 1 | 0 | 0 | 176 | 2 | 1 |
| PARAÑAQUE CITY | 12 | 0 | 0 | 182 | 8 | 4 |
| PASAY CITY | 10 | 0 | 0 | 246 | 5 | 2 |
| PASIG CITY | 24 | 0 | 0 | 219 | 7 | 3 |
| PATEROS | 0 | 0 | 0 | 3 | 0 | 0 |
| QUEZON CITY | 48 | 1 | 2 | 1,109 | 16 | 1 |
| SAN JUAN | 7 | 0 | 0 | 36 | 0 | 0 |
| TAGUIG CITY | 64 | 3 | 5 | 182 | 3 | 2 |
| VALENZUELA CITY | 3 | 0 | 0 | 227 | 1 | 0 |
| NO DATA ON MUNCITY | 1 | 0 | 0 | 1 | 0 | 0 |

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