

Table 1. Classification of AFP cases with onset in 2012 and key surveillance indicators

| | 2011 | | | 2012 | | | | | | | | | | |
|-------------------------------|--------------------------|--------------------------|--------------------------|-----------------|------------------|-----------------------|----------|---|--|------------------------------------|------------------|------------------------------------|--|--------------------|
| | Reported number of cases | Expected number of cases | Reported number of cases | Classification | | | | Indicators | | | | | | Latest report date |
| | | | | Confirmed Polio | Polio-compatible | Non-polio (Discarded) | Pending | Non-polio AFP rate per 100,000 < 15 yrs | % cases with 2 specimens within 14 days of onset | % reported within 14 days of onset | % with follow-up | % inadequate stools with follow-up | Pending classification > 90 days after onset | |
| Australia | 61 | 43 | 56 | 0 | 3 | 53 | 0 | 1.30 | 29% | 57% | 0%* | 0% | 0 | 15-Apr-13 |
| Brunei Darussalam | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1.00 | 100% | 100% | 100% | - | 0 | 16-Feb-13 |
| Cambodia | 75 | 45 | 107 | 0 | 0 | 107 | 0 | 2.38 | 90% | 94% | 100% | 100% | 0 | 26-Mar-13 |
| China | 6,182 | 2,225 | 6,173 | 0 | 2 | 6,171 | 0 | 2.77 | 92% | 96% | 98% | 96% | 0 | 15-May-13 |
| Hong Kong (China) | 15 | 8 | 14 | 0 | 0 | 14 | 0 | 1.75 | 86% | 86% | 100% | 100% | 0 | 12-Mar-13 |
| Japan | 0 | 167 | 0 | - | - | - | - | - | - | - | - | - | - | - |
| Lao PDR | 43 | 25 | 55 | 0 | 0 | 55 | 0 | 2.20 | 69% | 78% | 85% | 100% | 0 | 05-Feb-13 |
| Macao (China) | 1 | 1 | 0 | - | - | - | - | - | - | - | - | - | - | 11-Jan-13 |
| Malaysia | 129 | 76 | 141 | 0 | 0 | 141 | 0 | 1.86 | 94% | 94% | 100% | 100% | 0 | 18-Feb-13 |
| Mongolia | 11 | 7 | 9 | 0 | 0 | 9 | 0 | 1.29 | 100% | 100% | 100% | - | 0 | 07-Mar-13 |
| New Zealand | 3 | 9 | 8 | 0 | 0 | 8 | 0 | 0.89 | 25% | 63% | 100% | 100% | 0 | 28-Feb-13 |
| Pacific island countries | 9 | 10 | 4 | 0 | 0 | 4 | 0 | 0.40 | 50% | 50% | 75% | 100% | 0 | 02-Apr-13 |
| Papua New Guinea | 10 | 29 | 10 | 0 | 0 | 10 | 0 | 0.34 | 30% | 60% | 100% | 100% | 0 | 11-Jan-13 |
| Philippines | 335 | 371 | 403 | 0 | 1 | 402 | 0 | 1.09 | 71% | 88% | 59% | 60% | 0 | 18-Apr-13 |
| Republic of Korea | 32 | 76 | 94 | 0 | 0 | 94 | 0 | 1.24 | 89% | 56% | 100% | 100% | 0 | 29-Mar-13 |
| Singapore | 4 | 6 | 10 | 0 | 0 | 10 | 0 | 1.67 | 80% | 90% | 100% | 100% | 0 | 08-Jan-13 |
| Viet Nam | 390 | 241 | 514 | 0 | 0 | 514 | 0 | 2.13 | 97% | 92% | 100% | 100% | 0 | 16-Apr-13 |
| Western Pacific Region | 7,303 | 3,340 | 7,599 | 0 | 6 | 7,593 | 0 | 2.28 | 91% | 94% | 96% | 85% | 0 | |

* Follow-up is not required by the Polio Expert Committee if a case can be classified as non-polio AFP on the information available

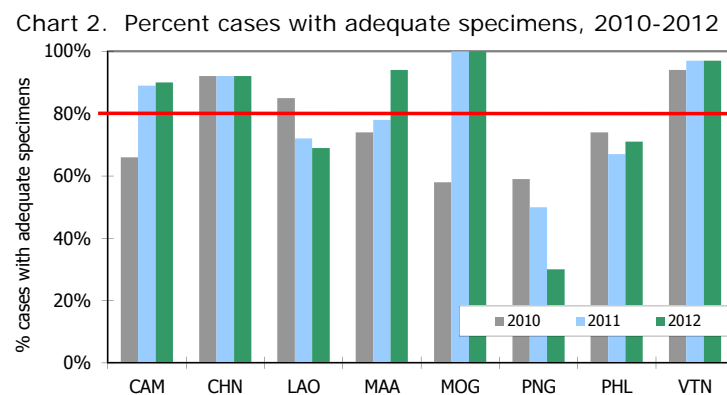
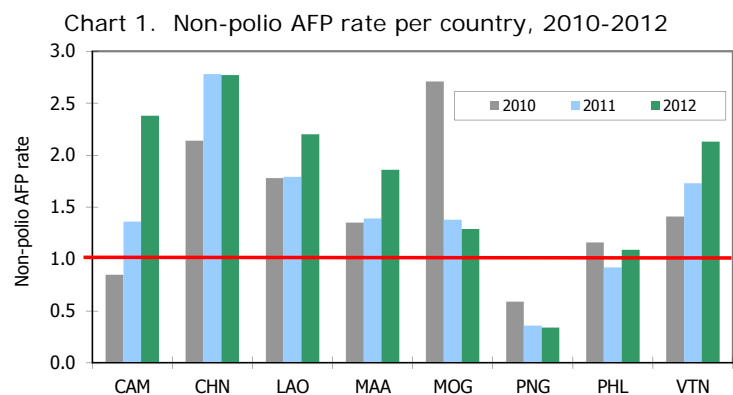


Table 2. Laboratory investigation of AFP cases with onset in 2012

| Country | National reference lab | Total no. of AFP cases with specimens | Processed by old algorithm | | | | | | | | | | Processed by new algorithm | | | | | | % positive for NPEV | Latest report date | | | | |
|--------------------------|------------------------|---------------------------------------|----------------------------|-------------|-----------|-----------|-----------|------------|------------|--------------|-----------------|-----------|-----------------------------------|--------------------------|-------------|-------------|------------|--------------|---------------------|--------------------|-----------------|------------|-----------------------------------|-----------|
| | | | AFP cases with specimens | Lab results | | | | | | | Pending results | | % results reported within 28 days | AFP cases with specimens | Lab results | | | | | | Pending results | | % results reported within 14 days | |
| | | | | P1 | P2 | P3 | Polio Mix | Polio/NPEV | NPEV only | Negative | ≤ 28 days | > 28 days | | | L20B+ | L20B+ +NPEV | NPEV only | Negative | | | ≤ 14 days | > 14 days | | |
| Australia | VIDRL | 36 | - | - | - | - | - | - | - | - | - | - | - | - | 36 | 0 | 0 | 3 | 33 | 0 | 0 | 100% | 7% | 03-Jan-13 |
| Brunei Darussalam | VIDRL | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 100% | 0% | 03-Jan-13 |
| Cambodia | NIID | 104 | - | - | - | - | - | - | - | - | - | - | - | - | 104 | 0 | 0 | 22 | 82 | 0 | 0 | 95% | 20% | 28-Jan-13 |
| China | | 6129 | 6129 | 25 | 31 | 30 | 34 | 6 | 705 | 5298 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 10% | 15-May-13 |
| China, Anhui | Prov. Lab | 299 | 299 | 0 | 1 | 1 | 3 | 1 | 23 | 270 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 7% | |
| China, Beijing | Prov. Lab | 29 | 29 | 0 | 0 | 0 | 0 | 0 | 1 | 28 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 3% | |
| China, Chongqing | Prov. Lab | 71 | 71 | 0 | 0 | 0 | 0 | 0 | 12 | 59 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 16% | |
| China, Fujian | Prov. Lab | 213 | 213 | 1 | 0 | 2 | 1 | 1 | 36 | 172 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 14% | |
| China, Gansu | Prov. Lab | 118 | 118 | 1 | 0 | 0 | 1 | 1 | 16 | 99 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 13% | |
| China, Guangdong | Prov. Lab | 407 | 407 | 1 | 4 | 3 | 4 | 1 | 65 | 329 | 0 | 0 | 98% | - | - | - | - | - | - | - | - | - | 13% | |
| China, Guangxi | Prov. Lab | 264 | 264 | 0 | 2 | 1 | 2 | 0 | 33 | 226 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 10% | |
| China, Guizhou | Prov. Lab | 242 | 242 | 0 | 4 | 3 | 0 | 0 | 28 | 207 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 9% | |
| China, Hainan | Prov. Lab | 45 | 45 | 0 | 0 | 1 | 0 | 0 | 6 | 38 | 0 | 0 | 98% | - | - | - | - | - | - | - | - | - | 11% | |
| China, Hebei | Prov. Lab | 414 | 414 | 1 | 3 | 2 | 5 | 0 | 58 | 345 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 11% | |
| China, Heilongjiang | Prov. Lab | 155 | 155 | 1 | 0 | 0 | 0 | 0 | 12 | 142 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 5% | |
| China, Henan | Prov. Lab | 765 | 765 | 9 | 6 | 5 | 4 | 0 | 131 | 610 | 0 | 0 | 98% | - | - | - | - | - | - | - | - | - | 13% | |
| China, Hubei | Prov. Lab | 256 | 256 | 1 | 1 | 0 | 2 | 0 | 36 | 216 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 14% | |
| China, Hunan | Prov. Lab | 314 | 314 | 0 | 0 | 1 | 1 | 1 | 44 | 267 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 13% | |
| China, Jiangsu | Prov. Lab | 250 | 250 | 3 | 0 | 2 | 1 | 0 | 5 | 239 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 2% | |
| China, Jiangxi | Prov. Lab | 185 | 185 | 0 | 0 | 2 | 0 | 0 | 26 | 157 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 12% | |
| China, Jilin | Prov. Lab | 60 | 60 | 0 | 0 | 0 | 0 | 0 | 7 | 53 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 10% | |
| China, Liaoning | Prov. Lab | 111 | 111 | 1 | 0 | 0 | 1 | 0 | 0 | 109 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 0% | |
| China, Neimongol | Prov. Lab | 86 | 86 | 2 | 1 | 0 | 0 | 0 | 2 | 81 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 1% | |
| China, Ningxia | Prov. Lab | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 4 | 19 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 15% | |
| China, Qinghai | Prov. Lab | 27 | 27 | 0 | 0 | 0 | 0 | 0 | 7 | 20 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 24% | |
| China, Shaanxi | Prov. Lab | 105 | 105 | 0 | 3 | 0 | 0 | 0 | 6 | 96 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 4% | |
| China, Shandong | Prov. Lab | 449 | 449 | 2 | 1 | 2 | 1 | 0 | 35 | 408 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 6% | |
| China, Shanghai | Prov. Lab | 27 | 27 | 0 | 0 | 1 | 0 | 0 | 1 | 25 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 4% | |
| China, Shanxi | Prov. Lab | 211 | 211 | 0 | 2 | 1 | 1 | 0 | 1 | 206 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 0% | |
| China, Sichuan | Prov. Lab | 397 | 397 | 0 | 2 | 1 | 0 | 0 | 53 | 341 | 0 | 0 | 96% | - | - | - | - | - | - | - | - | - | 13% | |
| China, Tianjin | Prov. Lab | 35 | 35 | 0 | 0 | 0 | 1 | 0 | 4 | 30 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 11% | |
| China, Tibet | Prov. Lab | 10 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 9 | 0 | 0 | 94% | - | - | - | - | - | - | - | - | - | 0% | |
| China, Xinjiang | Prov. Lab | 142 | 142 | 0 | 0 | 0 | 2 | 0 | 10 | 130 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 6% | |
| China, Yunnan | Prov. Lab | 255 | 255 | 2 | 1 | 0 | 0 | 0 | 27 | 225 | 0 | 0 | 100% | - | - | - | - | - | - | - | - | - | 8% | |
| China, Zhejiang | Prov. Lab | 164 | 164 | 0 | 0 | 1 | 4 | 1 | 16 | 142 | 0 | 0 | 99% | - | - | - | - | - | - | - | - | - | 9% | |
| Hong Kong (China) | PHLC | 14 | - | - | - | - | - | - | - | - | - | - | - | 14 | 0 | 0 | 1 | 13 | 0 | 0 | 100% | 4% | 16-Feb-13 | |
| Lao PDR | NIID | 43 | - | - | - | - | - | - | - | - | - | - | - | 43 | 0 | 0 | 6 | 37 | 0 | 0 | 98% | 13% | 15-Jan-13 | |
| Macao (China) | PHLC | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16-Feb-13 |
| Malaysia | IMR, KL | 159 | - | - | - | - | - | - | - | - | - | - | - | 159 | 0 | 0 | 4 | 155 | 0 | 0 | 98% | 2% | 19-Feb-13 | |
| Mongolia | PHI | 8 | - | - | - | - | - | - | - | - | - | - | - | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 100% | 0% | 09-Jan-13 | |
| New Zealand | IESR | 6 | - | - | - | - | - | - | - | - | - | - | - | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 100% | 0% | 14-Jan-13 | |
| Pacific island countries | VIDRL | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 100% | 0% | 03-Jan-13 | |
| Papua New Guinea | VIDRL | 10 | - | - | - | - | - | - | - | - | - | - | - | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 89% | 0% | 12-Feb-13 | |
| Philippines | RITM | 491 | - | - | - | - | - | - | - | - | - | - | - | 491 | 4 | 0 | 45 | 442 | 0 | 0 | 94% | 8% | 05-Mar-13 | |
| Republic of Korea | NIH | 94 | - | - | - | - | - | - | - | - | - | - | - | 94 | 0 | 0 | 8 | 86 | 0 | 0 | 100% | 9% | 18-Feb-13 | |
| Singapore | SGH | 10 | - | - | - | - | - | - | - | - | - | - | - | 10 | 0 | 0 | 1 | 9 | 0 | 0 | 100% | 6% | 14-Jan-13 | |
| Viet Nam, North | NIHE | 224 | - | - | - | - | - | - | - | - | - | - | - | 224 | 1 | 0 | 33 | 190 | 0 | 0 | 94% | 11% | 24-Apr-13 | |
| Viet Nam, South | PI | 291 | - | - | - | - | - | - | - | - | - | - | - | 291 | 5 | 0 | 35 | 251 | 0 | 0 | 99% | 11% | 24-Apr-13 | |
| Total | | 7,624 | 6,129 | 25 | 31 | 30 | 34 | 6 | 705 | 5,298 | 0 | 0 | 99% | 1,495 | 10 | 0 | 158 | 1,327 | 0 | 0 | 96% | 10% | | |

Acronyms:
IESR - Institute of Environmental Science and Research, New Zealand
IMR, KL - Institute of Medical Research, Kuala Lumpur, Malaysia
NIH - National Institute of Health, Seoul, Republic of Korea
NIHE - National Institute of Hygiene and Epidemiology, Hanoi, Viet Nam
NIID - National Institute of Infectious Diseases, Japan
PHI - Public Health Institute, Mongolia
PHLC - Public Health Laboratory Center, Hong Kong (China)
PI - Pasteur Institute, Ho Chi Minh, Viet Nam
RITM - Research Institute for Tropical Medicine, Philippines
SGH - Singapore General Hospital, Singapore
VIDRL - Victorian Infectious Diseases Reference Laboratory, Australia

Table 3. Intra-typic differentiation of polio isolates from AFP cases with onset in 2012

| Country | Intra-typic differentiation lab ¹ | AFP cases with polio isolates | ITD results ² | | | | | | Discordant ⁴ ITD | Sequencing results | | | % ITD results within 7 days of receipt | % ITD results within 45 days of onset | % ITD results within 60 days of onset | |
|--------------------------|--|-------------------------------|--------------------------|----------|-----------|----------|-----------|----------|-----------------------------|----------------------|----------|----------|--|---------------------------------------|---------------------------------------|------------|
| | | | P1S | P1W | P2S | P2W | P3S | P3W | | Pending ³ | VDPV | Not VDPV | | | | Pending |
| China | CCDC | 151 | 60 | 0 | 58 | 0 | 76 | 0 | 0 | 6* | 0 | 0 | 92% | 58% | 84% | |
| Hong Kong (China) | PHLC | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Macao (China) | PHLC | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Malaysia | IMR, KL | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| New Zealand | IESR | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Singapore | SGH | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Australia | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Brunei Darussalam | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Pacific island countries | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Papua New Guinea | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Philippines | VIDRL | 3 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 100% | 67% | 100% | |
| Japan | NIID | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Cambodia | NIID | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Lao PDR | NIID | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Mongolia | NIID | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Republic of Korea | NIID | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Viet Nam | NIID | 6 | 3 | 0 | 2 | 0 | 1 | 0 | 0 | 4 | 2** | 2 | 0 | 100% | 67% | 83% |
| Total | | 160 | 64 | 0 | 62 | 0 | 78 | 0 | 0 | 5 | 8 | 3 | 0 | 93% | 59% | 85% |

* One type 1 (from Myanmar), four type 2, and one mixed type 2 and type 3 VDPV

** Both type 2 VDPV

Table 4. Laboratory investigation of polio isolates from non-AFP cases in 2012⁵

| Country | Intra-typic differentiation lab | Polio isolates | ITD results | | | | | | Discordant | Sequencing results | | |
|--------------------------|---------------------------------|----------------|-------------|----------|-----------|----------|-----------|----------|------------|--------------------|----------|----------|
| | | | P1S | P1W | P2S | P2W | P3S | P3W | | Pending | VDPV | Pending |
| China | CCDC | 57 | 17 | 0 | 17 | 0 | 23 | 0 | 0 | 0 | 1*** | 0 |
| Hong Kong (China) | PHLC | 0 | - | - | - | - | - | - | - | - | - | - |
| Macao (China) | PHLC | 0 | - | - | - | - | - | - | - | - | - | - |
| Malaysia | IMR, KL | 13 | 0 | 0 | 7 | 0 | 6 | 0 | 0 | 0 | - | - |
| New Zealand | IESR | 0 | - | - | - | - | - | - | - | - | - | - |
| Singapore | SGH | 0 | - | - | - | - | - | - | - | - | - | - |
| Australia | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - |
| Brunei Darussalam | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - |
| Pacific island countries | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - |
| Papua New Guinea | VIDRL | 0 | - | - | - | - | - | - | - | - | - | - |
| Philippines | VIDRL | 5 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | - | - |
| Japan | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Cambodia | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Lao PDR | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Mongolia | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Republic of Korea | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Viet Nam | NIID | 0 | - | - | - | - | - | - | - | - | - | - |
| Total | | 75 | 20 | 0 | 25 | 0 | 30 | 0 | 0 | 0 | 1 | 0 |

*** Type 2 VDPV

¹ Acronyms:

CCDC - Chinese Center for Disease Control and Prevention, China
IESR - Institute of Environmental Science and Research, New Zealand
IMR, KL - Institute of Medical Research, Kuala Lumpur, Malaysia
NIID - National Institute of Infectious Diseases, Japan
PHLC - Public Health Laboratory Center, Hong Kong (China)
SGH - Singapore General Hospital, Singapore
VIDRL - Victorian Infectious Diseases Reference Laboratory, Australia

² ITD Results:
S - Sabin; W - Wild

³ Pending ITD = Pending antigenic ITD and/or pending molecular ITD; Total pending cases = Pending ITD + pending sequencing

⁴ Antigenic ITD <-> molecular ITD for all serotypes. Cases with discordant ITD results may be counted more than once under "ITD results", ie. as "discordant" and "S" or "W" or "VDPV", depending on the results of sequencing.

⁵ Based on year of collection of sample, if available. Otherwise, based on year of receipt at reference laboratory.