

# Measles/Rubella Weekly Bulletin



Comprehensive Family Immunization/Family, Gender and Life Course  
Measles and Rubella Surveillance in the Americas



Vol. 19, No. 38

Week ending 21 September 2013

## Measles, United States, Jan – Sep 13, 2013 Source of Importations (N=47)

| WHO Region            | # of cases | Countries                                                                                                                                                 |
|-----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| African               | 2          | Ethiopia (2)                                                                                                                                              |
| Eastern Mediterranean | 8          | Pakistan (6), Sudan (1), Turkey (1)                                                                                                                       |
| European              | 23         | Germany (6), United Kingdom (4), Poland (4), Italy (2), Azerbaijan (1), Belgium (1), Israel (1), Republic of Georgia (1), Ukraine (2), Germany/Spain (1). |
| Americas              | 1          | Mexico*                                                                                                                                                   |
| South-East Asia       | 7          | India (3), Indonesia (2), Korea (1), Thailand (1)                                                                                                         |
| Western Pacific       | 6          | China (6)                                                                                                                                                 |

\* Likely acquired infection at a resort frequented by international tourists.

Source: United States Centers for Disease Control and Prevention (CDC), 2013

**Table 1**  
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-38, 2013

| Subregion and Country | Susp. Cases 2013 | Measles Confirmed 2013 |            |            | Year/Week Last Conf. Measles case | Rubella Confirmed 2013 |          |          | Year/Week Last Conf. Rubella Case | Diagnosis of Discarded Cases 2013 |              | Congenital Rubella Syndrome |          |          | Year/Week Last Conf. CRS Case |         |
|-----------------------|------------------|------------------------|------------|------------|-----------------------------------|------------------------|----------|----------|-----------------------------------|-----------------------------------|--------------|-----------------------------|----------|----------|-------------------------------|---------|
|                       |                  | Clin.                  | Lab.       | Total      |                                   | Clin.                  | Lab.     | Total    |                                   | Dengue                            | Others       | Susp.                       | Conf.    | CRI*     |                               |         |
| AND                   | BOL              | 83                     | 0          | 0          | 0                                 | 2000/40                | 0        | 0        | 0                                 | 2006/03                           | 1            | 78                          | 22       | ...      | ...                           | ...     |
|                       | COL              | 1589                   | 0          | 1          | 1                                 | 2013/25                | 0        | 0        | 0                                 | 2012/42                           | 8            | 1486                        | 243      | 0        | 0                             | 2005/34 |
|                       | ECU              | ...                    | ...        | ...        | ...                               | 2012/28                | ...      | ...      | ...                               | 2004/45                           | ...          | ...                         | ...      | ...      | ...                           | ...     |
|                       | PER              | 294                    | 0          | 0          | 0                                 | 2008/18                | 0        | 0        | 0                                 | 2006/45                           | 0            | 279                         | 0        | ...      | ...                           | 2007/16 |
| BRA                   | VEN              | 167                    | 0          | 0          | 0                                 | 2012/16                | 0        | 0        | 0                                 | 2007/51                           | 21           | 81                          | 0        | 0        | 0                             | ...     |
|                       | BRA              | 3453                   | 0          | 110        | 110                               | 2013/35                | 0        | 0        | 0                                 | 2009/41                           | 0            | 2806                        | 87       | 0        | 0                             | 2009/34 |
|                       | CRI              | 17                     | 0          | 0          | 0                                 | 2005/22                | 0        | 0        | 0                                 | 2001/42                           | 2            | 13                          | 0        | 0        | ...                           |         |
|                       | GTM              | 182                    | 0          | 0          | 0                                 | 1998/05                | 0        | 0        | 0                                 | 2006/30                           | 43           | 134                         | 4        | 0        | 0                             | 2005/00 |
| CAP                   | HND              | 110                    | 0          | 0          | 0                                 | 1997/29                | 0        | 0        | 0                                 | 2004/11                           | 55           | 33                          | 62       | 0        | 0                             | 2001/00 |
|                       | NIC              | 125                    | 0          | 0          | 0                                 | 1994/14                | 0        | 0        | 0                                 | 2004/19                           | 5            | 115                         | 27       | 0        | ...                           | 2005/00 |
|                       | PAN              | 104                    | 0          | 0          | 0                                 | 2011/20                | 0        | 0        | 0                                 | 2002/48                           | 0            | 103                         | 2        | 0        | ...                           |         |
|                       | SLV              | 16                     | 0          | 0          | 0                                 | 2001/19                | 0        | 0        | 0                                 | 2006/30                           | 0            | 0                           | 0        | 0        | 0                             | 2001/00 |
| CAR                   | CAR              | 247                    | 0          | 0          | 0                                 | 2011/48                | 0        | 0        | 0                                 | 2008/18                           | 0            | 175                         | 0        | ...      | ...                           | 1999/00 |
|                       | CUB              | 842                    | 0          | 0          | 0                                 | 1993/27                | 0        | 0        | 0                                 | 2004/06                           | 0            | 842                         | 0        | 0        | ...                           |         |
|                       | DOM              | 45                     | 0          | 0          | 0                                 | 2011/18                | 0        | 0        | 0                                 | 2006/44                           | 0            | 33                          | 0        | ...      | ...                           |         |
|                       | GLP              | 2                      | 0          | 0          | 0                                 | 2011/28                | 0        | 0        | 0                                 | ...                               | 0            | 2                           | ...      | ...      | ...                           | 2005/00 |
| LAC                   | GUF              | 1                      | 0          | 0          | 0                                 | 2011/26                | 0        | 0        | 0                                 | 2010/06                           | 0            | 1                           | ...      | ...      | ...                           |         |
|                       | HTI              | 290                    | 0          | 0          | 0                                 | 2001/39                | 0        | 0        | 0                                 | 2006/21                           | 0            | 254                         | 36       | 0        | ...                           |         |
|                       | MTQ              | 0                      | 0          | 0          | 0                                 | 2011/27                | 0        | 0        | 0                                 | ...                               | 0            | 0                           | ...      | ...      | ...                           |         |
|                       | PRI              | ...                    | ...        | ...        | ...                               | ...                    | ...      | ...      | ...                               | ...                               | ...          | ...                         | ...      | ...      | ...                           |         |
| MEX                   | MEX              | 3507                   | 0          | 0          | 0                                 | 2011/12                | 0        | 0        | 0                                 | 2012/49                           | 0            | 3498                        | 0        | 0        | ...                           |         |
|                       | NOA              | ...                    | ...        | 37         | 37 <sup>a</sup>                   | 2013/38                | 0        | 1        | 1                                 | 2013/15                           | 0            | 0                           | 0        | 0        | ...                           | 2011/12 |
| SOC                   | USA              | ...                    | ...        | 166        | 166 <sup>a</sup>                  | 2013/34                | 0        | 6        | 6                                 | 2013/04                           | 0            | 0                           | 0        | 0        | ...                           | 2012/44 |
|                       | ARG              | 202                    | 0          | 0          | 0                                 | 2012/20                | 0        | 0        | 0                                 | 2011/20                           | 1            | 77                          | 61       | ...      | ...                           | 2009/27 |
|                       | CHL              | 82                     | 0          | 0          | 0                                 | 2011/25                | 0        | 0        | 0                                 | 2011/25                           | 0            | 72                          | 73       | 0        | 0                             | ...     |
|                       | PRY              | 374                    | 0          | 0          | 0                                 | 1998/44                | 0        | 0        | 0                                 | 2005/21                           | 142          | 216                         | 0        | 0        | 0                             | 2003/06 |
| URY                   | 0                | 0                      | 0          | 0          | 1999/08                           | 0                      | 0        | 0        | 2001/37                           | 0                                 | 0            | 0                           | 0        | 0        | ...                           |         |
| <b>TOTAL</b>          | <b>11732</b>     | <b>0</b>               | <b>314</b> | <b>314</b> | <b>--</b>                         | <b>0</b>               | <b>7</b> | <b>7</b> | <b>--</b>                         | <b>278</b>                        | <b>10295</b> | <b>617</b>                  | <b>0</b> | <b>0</b> | <b>--</b>                     |         |

\*Congenital Rubella Infection; (a) Provisional data;

...No report received



# Measles/Rubella Surveillance

Table No.2

Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-38, 2013

| Subregion and Country | Measles   |            |     |            | Rubella  |    |     |          |
|-----------------------|-----------|------------|-----|------------|----------|----|-----|----------|
|                       | I         | IR         | CAC | U          | I        | IR | CAC | U        |
| AND                   |           |            |     |            |          |    |     |          |
| BOL                   |           |            |     |            |          |    |     |          |
| COL                   | 1         |            |     |            |          |    |     |          |
| ECU                   |           |            |     |            |          |    |     |          |
| PER                   |           |            |     |            |          |    |     |          |
| VEN                   |           |            |     |            |          |    |     |          |
| BRA                   | 4         | 5          |     | 101        |          |    |     |          |
| CAP                   |           |            |     |            |          |    |     |          |
| CRI                   |           |            |     |            |          |    |     |          |
| GTM                   |           |            |     |            |          |    |     |          |
| HND                   |           |            |     |            |          |    |     |          |
| NIC                   |           |            |     |            |          |    |     |          |
| PAN                   |           |            |     |            |          |    |     |          |
| SLV                   |           |            |     |            |          |    |     |          |
| CAR                   |           |            |     |            |          |    |     |          |
| LAC                   |           |            |     |            |          |    |     |          |
| CUB                   |           |            |     |            |          |    |     |          |
| DOM                   |           |            |     |            |          |    |     |          |
| GLP                   |           |            |     |            |          |    |     |          |
| GUF                   |           |            |     |            |          |    |     |          |
| HTI                   |           |            |     |            |          |    |     |          |
| MTQ                   |           |            |     |            |          |    |     |          |
| PRI                   |           |            |     |            |          |    |     |          |
| MEX                   |           |            |     |            |          |    |     |          |
| NOA                   |           |            |     |            |          |    |     |          |
| CAN                   | 8         | 20         |     | 9          | 1        |    |     |          |
| USA                   | 52        | 111        |     | 3          | 4        |    |     | 2        |
| SOC                   |           |            |     |            |          |    |     |          |
| ARG                   |           |            |     |            |          |    |     |          |
| CHL                   |           |            |     |            |          |    |     |          |
| PRY                   |           |            |     |            |          |    |     |          |
| URY                   |           |            |     |            |          |    |     |          |
| <b>TOTAL</b>          | <b>65</b> | <b>136</b> |     | <b>113</b> | <b>5</b> |    |     | <b>2</b> |

Table No.3

Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-38, 2013

| Country      | Pending Cases 2012 | Cumulative 2013 | Week of Onset |           |           |           |          |          |          | % Pend.Cases |
|--------------|--------------------|-----------------|---------------|-----------|-----------|-----------|----------|----------|----------|--------------|
|              |                    |                 | 1-33          | 34        | 35        | 36        | 37       | 38       |          |              |
| BOL          | 1                  | 4               | 4             | 0         | 0         | ...       | ...      | ...      | 5        |              |
| COL          | 0                  | 94              | 73            | 7         | 6         | 2         | 2        | 4        | 6        |              |
| ECU          | 289                | ...             | ...           | ...       | ...       | ...       | ...      | ...      | ...      |              |
| PER          | 0                  | 15              | 6             | 0         | 3         | 5         | 1        | 0        | 5        |              |
| VEN          | 0                  | 58              | 58            | 0         | 0         | 0         | 0        | 0        | 35       |              |
| BRA          | 0                  | 537             | 537           | ...       | ...       | ...       | ...      | ...      | 16       |              |
| CRI          | 0                  | 2               | 2             | 0         | 0         | 0         | 0        | ...      | 12       |              |
| GTM          | 0                  | 5               | 5             | 0         | 0         | 0         | 0        | 0        | 3        |              |
| HND          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| NIC          | 0                  | 5               | 2             | 1         | 2         | 0         | ...      | ...      | 4        |              |
| PAN          | 0                  | 1               | 1             | 0         | 0         | 0         | 0        | 0        | 1        |              |
| SLV          | 0                  | 16              | 16            | ...       | ...       | ...       | ...      | ...      | 100      |              |
| CAR          | 0                  | 72              | 58            | 2         | 4         | 6         | 2        | 0        | 29       |              |
| CUB          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| DOM          | 0                  | 12              | 12            | 0         | 0         | 0         | 0        | 0        | 27       |              |
| GLP          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| GUF          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| HTI          | 0                  | 36              | 30            | 4         | 1         | 1         | 0        | ...      | 12       |              |
| MTQ          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| PRI          | ...                | ...             | ...           | ...       | ...       | ...       | ...      | ...      | ...      |              |
| MEX          | 0                  | 9               | 9             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| NOA          | ...                | ...             | ...           | ...       | ...       | ...       | ...      | ...      | ...      |              |
| CAN          | ...                | ...             | ...           | ...       | ...       | ...       | ...      | ...      | ...      |              |
| USA          | ...                | ...             | ...           | ...       | ...       | ...       | ...      | ...      | ...      |              |
| ARG          | 205                | 123             | 120           | 2         | 0         | 1         | 0        | 0        | 61       |              |
| CHL          | 0                  | 10              | 9             | 1         | 0         | 0         | 0        | 0        | 12       |              |
| PRY          | 1                  | 16              | 16            | 0         | 0         | 0         | 0        | 0        | 4        |              |
| URY          | 0                  | 0               | 0             | 0         | 0         | 0         | 0        | 0        | 0        |              |
| <b>TOTAL</b> | <b>496</b>         | <b>1015</b>     | <b>958</b>    | <b>17</b> | <b>16</b> | <b>15</b> | <b>5</b> | <b>4</b> | <b>9</b> |              |

I: Imported; IR: Import-related; CAC: Country-acquired case  
U: Unknown.

... No report received

Table 4.

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-38, 2013

| 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 (2012/39-2013/38) |                 |
|---------------------------|------------------------|-------------|-------------------------------------|------------------------------|------------------------------------------|------------------------|---------------------------------------------------------|-----------------|
|                           | Total Units            | % This Week |                                     |                              |                                          |                        | Measles/Rubella (100,000 pop.)                          | CRS (10,000 lb) |
| AND                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| BOL                       | 2887                   | ...         | 99                                  | 99                           | 80                                       | 92                     | 1.3                                                     | 1.2             |
| COL                       | 5029                   | 98          | 77                                  | 93                           | 88                                       | 95                     | 4.9                                                     | 3.7             |
| ECU                       | 2184                   | ...         | ...                                 | ...                          | ...                                      | ...                    | 0.0                                                     | 0.0             |
| PER                       | 7325                   | ...         | 90                                  | 96                           | 78                                       | 54                     | 1.5                                                     | 0.0             |
| VEN                       | 13092                  | ...         | 71                                  | 86                           | 16                                       | 16                     | 1.0                                                     | 0.0             |
| BRA                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| BRA                       | 8879                   | 91          | 99                                  | ...                          | 99                                       | ...                    | 2.4                                                     | 0.4             |
| CAP                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| CRI                       | 57                     | ...         | 35                                  | 71                           | 71                                       | 65                     | 0.6                                                     | 0.0             |
| GTM                       | 1506                   | 12          | 0                                   | 95                           | 72                                       | 84                     | 1.7                                                     | 0.1             |
| HND                       | 469                    | 95          | 35                                  | 95                           | 72                                       | 99                     | 1.8                                                     | 4.2             |
| NIC                       | 185                    | ...         | 90                                  | 98                           | 87                                       | 88                     | 2.6                                                     | 2.0             |
| PAN                       | 219                    | 86          | 87                                  | 100                          | 72                                       | 90                     | 3.9                                                     | 0.3             |
| SLV                       | 893                    | ...         | 0                                   | 81                           | 62                                       | 92                     | 1.0                                                     | 10.2            |
| CAR                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| CAR                       | 759                    | ...         | 12                                  | 3                            | 29                                       | 100                    | 0.5                                                     | 0.0             |
| LAC                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| CUB                       | 150                    | 100         | 100                                 | 100                          | 100                                      | 100                    | 8.2                                                     | 0.0             |
| DOM                       | 36                     | 11          | 7                                   | 98                           | 66                                       | 59                     | 0.8                                                     | 0.0             |
| GLP                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | 0.4                                                     | 0.0             |
| GUF                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | 0.4                                                     | 0.0             |
| HTI                       | 103                    | ...         | 90                                  | 99                           | 82                                       | 76                     | 3.0                                                     | 1.4             |
| MTQ                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | 0.0                                                     | 0.0             |
| PRI                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | ...                                                     | ...             |
| MEX                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| MEX                       | 11138                  | ...         | 98                                  | ...                          | ...                                      | ...                    | 3.7                                                     | 0.0             |
| NOA                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| CAN                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | ...                                                     | ...             |
| USA                       | ...                    | ...         | ...                                 | ...                          | ...                                      | ...                    | ...                                                     | ...             |
| SOC                       |                        |             |                                     |                              |                                          |                        |                                                         |                 |
| ARG                       | 779                    | ...         | 13                                  | 89                           | 61                                       | 46                     | 0.7                                                     | 2.1             |
| CHL                       | 569                    | ...         | 59                                  | 88                           | 95                                       | 95                     | 0.8                                                     | 3.5             |
| PRY                       | 930                    | 88          | 83                                  | 94                           | 95                                       | 88                     | 8.9                                                     | 0.0             |
| URY                       | 155                    | ...         | 0                                   | 0                            | 0                                        | 0                      | 0.0                                                     | 0.0             |
| <b>Total and Average*</b> | <b>57344</b>           | <b>84</b>   | <b>89</b>                           | <b>90</b>                    | <b>89</b>                                | <b>86</b>              | <b>2.3</b>                                              | <b>0.9</b>      |

\*Weighted

... No report received