Supplementary Table 1. Summary of rotavirus genotypes detected by year at sentinel surveillance sites between 2009 and 2014.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Prevalence (%) | | | | | | |
| Genotype | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Total |
| No of sites | 4 | 7 | 7 | 7 | 7 | 6 |  |
| Rotavirus genotypes contained in the monovalent vaccine formulation | | | | | | | |
| G1P[8] | 199 (47%) | 78 (22%) | 72 (20%) | 10 (4%) | 2 (<1%) | 60 (29%) | 421 (21%) |
| G1P[6] | 14 (3%) | 2 (1%) | 3 (1%) | 0 (0%) | 0 (0%) | 3 (1%) | 22 (1%) |
| G1P[4] | 8 (2%) | 6 (1%) | 1 (<1%) | 0 (0%) | 1 (<1%) | 0 (0%) | 16 (1%) |
| G2P[8] | 0 (0%) | 3 (1%) | 1 (<1%) | 2(1%) | 0 (0%) | 0 (0%) | 6 (<1%) |
| G3P[8] | 1 (<1%) | 0 (0%) | 1 (<1%) | 6 (2%) | 13 (3%) | 20 (10%) | 41 (2%) |
| G4P[8] | 0 (0%) | 0 (0%) | 1 (<1%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (<1%) |
| G8P[8] | 6 (1%) | 18 (5%) | 4 (1%) | 8 (3%) | 2 (<1%) | 0 (0%) | 38 (2%) |
| G9P[8] | 16 (4%) | 12 (3%) | 50 (14%) | 15 (6%) | 141 (33%) | 20 (10%) | 254 (12%) |
| G12P[8] | 35 (8%) | 63 (18%) | 170 (47%) | 111 (41%) | 3 (1%) | 2 (1%) | 384 (19%) |
| **Total** | **279 (66%)** | **182 (52%)** | **303 (85%)** | **152 (56%)** | **162 (38%)** | **105 (51%)** | **1183 (58%)** |
| Rotavirus genotypes not contained in the monovalent vaccine formulation | | | | | | | |
| G2P[6] | 81 (19%) | 15 (4%) | 24 (7%) | 15 (6%) | 9 (2%) | 35 (17%) | 179 (9%) |
| G2P[4] | 38 (9%) | 64 (18%) | 3 (1%) | 70 (26%) | 240 (56%) | 51 (25%) | 466 (23%) |
| G3P[14] | 0 (0%) | 0 (0%) | 0 (0%) | 1 (<1%) | 0 (0%) | 0 (0%) | 1 (<1%) |
| G3P[4] | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 2 (<1%) | 0 (0%) | 2 (<1%) |
| G4P[6] | 0 (0%) | 0 (0%) | 1 (<1%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (<1%) |
| G8P[6] | 1 (<1%) | 0 (0%) | 0 (0%) | 1 (<1%) | 0 (0%) | 0 (0%) | 2 (<1%) |
| G8P[4] | 14 (3%) | 62 (18%) | 3 (1%) | 31 (11%) | 3 (1%) | 0 (0%) | 113 (6%) |
| G9P[6] | 1 (<1%) | 0 (0%) | 3 (1%) | 0 (0%) | 4 (1%) | 2 (1%) | 10 (1%) |
| G9P[4] | 0 (0%) | 2 (1%) | 0 (0%) | 0 (0%) | 4 (1%) | 1 (<1%) | 7 (<1%) |
| G12P[6] | 0 (0%) | 2 (1%) | 7 (2%) | 0 (0%) | 2 (<1%) | 1 (<1%) | 12 (1%) |
| G12P[4] | 4 (1%) | 7 (2%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 11 (1%) |
| **Total** | **139 (33%)** | **152 (43%)** | **41 (11%)** | **118 (43%)** | **264 (62%)** | **90 (44%)** | **804 (39%)** |
| Mixed and non-typeable rotavirus strains | | | | | | | |
| Mixed | 3 (1%) | 16 (5%) | 14 (4%) | 2 (<1%) | 2 (<1%%) | 10 (5%) | 47 (2%) |
| Not typed | 2 (<1%) | 1 (<1%%) | 0 (0%) | 0 (0%) | 1 (<1%%) | 0 (0%) | 4 (2%) |
| **Total** | **5 (1%)** | **17 (5%)** | **14 (4%)** | **2 (<1%)** | **3 (1%)** | **10 (5%)** | **51 (4%)** |
|  |  |  |  |  |  |  |  |
| **Grand total** | **423/917**  **(46%)** | **351/1418 (25%)** | **358/1398 (26%)** | **272/1209 (22%)** | **429/1593 (27%)** | **205/939 (22%)** | **2038/7474 (27%)** |