Table S6. Indirect vaccine effectiveness against cholera among cohorts of the index cases <5 years and among cohorts of index cases ≥5 years using ring vaccination strategy

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Duration of follow-up | High vaccine coverage cohorts\*  (coverage≥33%) | | Low vaccine coverage cohorts\*  (coverage≤12%) | | Vaccine effectiveness (%)  (95% CI; p-value) | |
| Population† | No. of  cases**‡** | Index cases/  Population† | No. of cases**‡** | Crude | Adjusted£ |
| **Cohorts of cases <5 years** | | | | | | |
| 1-2 year | 1502 | 0 | 2539 | 27 | 100 | \*\* |
| 1-3 year | 2801 | 2 | 3546 | 31 | 92 (65-92; .0006) | 92 (67-98;.0005) |
| 1-4 year | 3378 | 5 | 4185 | 31 | 80 (49-92;.0008) | 80 (48-92;.0001) |
| 1-5 year | 4068 | 5 | 4541 | 31 | 82 (54-93; .0004) | 81 (50-93;.0007) |
| **Cohorts of cases ≥ years** | | | | | | |
| 1-2 year | 16528 | 2 | 26478 | 15 | 79 (7-95; .0403) | \*\* |
| 1-3 year | 28500 | 5 | 36586 | 16 | 60 (-9 to 85; .0746) | 70 (15-89; .0238) |
| 1-4 year | 33087 | 5 | 43977 | 16 | 59 (-12 to 85; .0863) | 66 (1-87; .0482) |
| 1-5 year | 39420 | 9 | 48356 | 16 | 31 (-56-70; .3733) | 30 (-60-69; .40) |

\*The vaccine coverage within the 50 meters around index cases was calculated by number of two-dose vaccine recipients divided by all population within 50 meters

†Cumulative total population within 50 meters of the index cases

**‡**Cumulative total cholera cases within 50 meters of the index cases (excluding index cases) and within 8-28 days of onset of index cases

£ Adjusted for distance from water bodies to household for 1-3y, and age and distance from water bodies to household for 1-4y and 1-5y.

\*\* Not enough cases to develop a multivariable model