

**Table 2** Cases of very severe pneumonia, all-cause meningitis and dehydrating diarrhoea hospitalization and death: estimation of median reduction in the period after introduction of *Haemophilus influenzae* type b (Hib) vaccine (2006–2010) compared with the pre-Hib period (2000–2004)

| Variable   | Pre-Hib period |                  | Post-Hib period |               | Post-Hib versus pre-Hib periods |                 |                           |
|--|----------------|------------------|-----------------|---------------|---------------------------------|-----------------|---------------------------|
|  | Total cases    | Median (IQR)     | Total cases     | Median (IQR)  | Median reduction (95% CI)       | <i>P</i> -value | Median reduction (95% CI) |
|  | No.            | No.              | No.             | No.           | No.                             |                 | %                         |
| <b><i>Very severe pneumonia hospitalizations</i></b> |                |                  |                 |               |                                 |                 |                           |
| All  | 5451           | 1088 (1060–1121) | 3832            | 836 (618–880) | –252 (–657 to –196)             | 0.01            | 23 (16 to 61)             |
| Age < 12 months                                      | 3867           | 741 (727–837)    | 3119            | 678 (478–743) | –63 (–452 to 63)                | 0.21            | 9 (–2 to 69)              |
| Age ≥ 12 months                                      | 1584           | 347 (242–377)    | 713             | 142 (129–157) | –203 (–254 to –31)              | 0.01            | 59 (18 to 68)             |
| Males  | 3684           | 752 (708–758)    | 2700            | 594 (423–630) | –142 (–474 to –82)              | 0.01            | 21 (8 to 63)              |
| Females  | 1767           | 347 (337–374)    | 1132            | 236 (192–256) | –111 (–104 to –77)              | 0.01            | 32 (20 to 56)             |
| <b><i>Very severe pneumonia deaths</i></b>           |                |                  |                 |               |                                 |                 |                           |
| All  | 171            | 47 (14–49)       | 76              | 19 (10–19)    | –28 (–42 to 6)                  | 0.35            | 60 (–36 to 71)            |
| Age < 12 months                                      | 136            | 37 (12–38)       | 73              | 16 (10–19)    | –19 (–32 to 6)                  | 0.40            | 57 (–23 to 62)            |
| Age ≥ 12 months                                      | 35             | 9 (2–11)         | 3               | 0 (0–1.5)     | –8 (–11 to –1)                  | 0.03            | 89 (–200 to 100)          |
| Males  | 112            | 30 (9–32)        | 43              | 10 (6–11)     | –20 (–28 to 2)                  | 0.21            | 67 (0 to 75)              |
| Females  | 59             | 15 (5–17)        | 33              | 7 (4–9)       | –7 (–14 to 5)                   | 0.25            | 53 (–125 to 73)           |
| <b><i>Meningitis hospitalizations</i></b>            |                |                  |                 |               |                                 |                 |                           |
| All  | 1336           | 272 (232–300)    | 944             | 179 (158–224) | –77 (–135 to –15)               | 0.03            | 34 (12 to 49)             |
| Age < 12 months                                      | 1010           | 209 (175–226)    | 686             | 124 (114–168) | –60 (–114 to –14)               | 0.03            | 33 (0 to 48)              |
| Age ≥ 12 months                                      | 326            | 72 (42–85)       | 258             | 52 (40–63)    | –14 (–42 to 21)                 | 0.30            | 34 (–68 to 53)            |
| Males  | 864            | 181 (158–183)    | 665             | 131 (115–152) | –36 (–78 to –10)                | 0.04            | 15 (7 to 38)              |
| Females  | 472            | 97 (71–117)      | 275             | 48 (43–72)    | –43 (–83 to –5)                 | 0.04            | 42 (5 to 65)              |
| <b><i>Meningitis deaths</i></b>                      |                |                  |                 |               |                                 |                 |                           |
| All  | 128            | 27 (20–31)       | 37              | 8 (5–10)      | –19 (–26 to –8)                 | 0.01            | 69 (50 to 87)             |
| Age < 12 months                                      | 90             | 18 (15–22)       | 35              | 7 (5–9)       | –11 (–16 to –5)                 | 0.01            | 61 (33 to 76)             |
| Age ≥ 12 months                                      | 38             | 7 (5–11)         | 2               | 0 (0–1)       | –7 (–13 to –4)                  | 0.01            | 100 (60 to 100)           |
| Males  | 72             | 12 (11–20)       | 20              | 3 (2.5–6)     | –9 (–20 to –5)                  | 0.01            | 75 (50 to 82)             |
| Females  | 56             | 11 (8–15)        | 17              | 3 (2–5)       | –8 (–15 to –3)                  | 0.02            | 67 (45 to 93)             |
| <b><i>Diarrhoea hospitalizations</i></b>             |                |                  |                 |               |                                 |                 |                           |
| All  | 3407           | 571 (521–898)    | 2520            | 597 (361–600) | –202 (–430 to 79)               | 1.00            | 26 (–15 to 73)            |
| Age < 12 months                                      | 2474           | 459 (369–639)    | 1900            | 447 (257–470) | –96 (–363 to 99)                | 0.68            | 17 (–29 to 75)            |
| Age ≥ 12 months                                      | 933            | 163 (127–258)    | 620             | 135 (82–160)  | –46 (–168 to 25)                | 0.21            | 48 (–64 to 68)            |

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| Variable                       | Pre-Hib period |              | Post-Hib period |              | Post-Hib versus pre-Hib periods |                 |                           |
|--------------------------------|----------------|--------------|-----------------|--------------|---------------------------------|-----------------|---------------------------|
|                                | Total cases    | Median (IQR) | Total cases     | Median (IQR) | Median reduction (95% CI)       | <i>P</i> -value | Median reduction (95% CI) |
|                                | No.            | No.          | No.             | No.          | No.                             |                 | %                         |
| <b><i>Diarrhoea deaths</i></b> |                |              |                 |              |                                 |                 |                           |
| All                            | 146            | 29 (19–39)   | 108             | 22 (15–28)   | –7 (–25 to 7)                   | 0.47            | 23 (–11 to 50)            |
| Age < 12 months                | 112            | 22 (15–30)   | 84              | 17 (12–21)   | –6 (–18 to 5)                   | 0.47            | 22 (–14 to 50)            |
| Age ≥ 12 months                | 34             | 7 (4–9)      | 24              | 5 (3–7)      | –2 (–7 to 2)                    | 0.40            | 25 (0 to 50)              |

*IQR = interquartile range; CI = confidence interval.*