

**Supplementary Table S1: Case numbers and rates by cohort and associated relative and absolute rate reductions for non-notified unspecified sepsis; evaluation of the PCV7 vaccination program**

| Outcome                                | Pre-PCV7 (2002-2004)* |                              | PCV7 early (2005-2007)* |                           | PCV7 late (2008-2010)* |                           | PCV7 early v Pre-PCV7        |                             | PCV7 late v Pre-PCV7         |                          |
|--|-----------------------|------------------------------|-------------------------|---------------------------|------------------------|---------------------------|------------------------------|-----------------------------|------------------------------|--------------------------|
|  | N                     | Rate <sup>†</sup><br>(95%CI) | N                       | Rate <sup>†</sup> (95%CI) | N                      | Rate <sup>†</sup> (95%CI) | RRR% <sup>‡</sup><br>(95%CI) | ARR <sup>§</sup><br>(95%CI) | RRR% <sup>‡</sup><br>(95%CI) | ARR <sup>§</sup> (95%CI) |
| <b>Non-notified unspecified sepsis</b> | 701                   | 144 (134-155)                | 591                     | 113 (105-123)             | 658                    | 118 (109-128)             | 22 (12-30)                   | 31.0 (17.1-45.2)            | 18 (8.9-26)                  | 26.3 (12.3-40.3)         |

\* Approximate person-years follow-up for each cohort (varies slightly depending on outcome being censored): Pre-PCV7=485,000, PCV7

early=522,000, PCV7 late=557,000

<sup>†</sup> Rate per 100,000 person-years

<sup>‡</sup> RRR=relative rate reduction as a percent

<sup>§</sup> ARR=absolute rate reduction per 100,000 person-years

**Supplementary Table S2: Case numbers and rates by cohort and associated relative and absolute rate reductions for non-notified unspecified sepsis; evaluation of the PCV13 vaccination program**

| Outcome                                | Pre-PCV7<br>(May02-Dec04)* |                              | PCV7 (May08-Dec10)* |                              | PCV13 (May11-Dec12)* |                              | PCV13 v Pre-PCV7             |                             | PCV13 v PCV7                 |                             |
|--|----------------------------|------------------------------|---------------------|------------------------------|----------------------|------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
|  | N                          | Rate <sup>†</sup><br>(95%CI) | N                   | Rate <sup>†</sup><br>(95%CI) | N                    | Rate <sup>†</sup><br>(95%CI) | RRR% <sup>‡</sup><br>(95%CI) | ARR <sup>§</sup><br>(95%CI) | RRR% <sup>‡</sup><br>(95%CI) | ARR <sup>§</sup><br>(95%CI) |
| <b>Non-notified unspecified sepsis</b> | 467                        | 142 (129-155)                | 421                 | 111 (101-122)                | 355                  | 94 (84-104)                  | 34 (24-42)                   | 48.0 (64.1-31.8)            | 16 (3-17)                    | 17.5 (3.1-31.9)             |

\* Approximate person-years follow-up for each cohort (varies slightly depending on outcome being censored): Pre-PCV7=329,000

PCV7=378,000 PCV13=379,000

<sup>†</sup> Rate per 100,000 person-years

<sup>‡</sup> RRR=relative rate reduction as a percent

<sup>§</sup> ARR=absolute rate reduction per 100,000 person-years

