

**Supplementary Table 4. Regional estimates of influenza-associated lower respiratory tract infection (LRI) episodes and hospitalizations, by age group**

|                              | All-cause estimate* (95% CI)<br>[thousands] | Influenza-associated events (95% CI)<br>[thousands] | Rate per 100 000 population (95% CI) |
|------------------------------|---|---|--------------------------------------|
| <b>Africa</b>                |   |   |                                      |
| Hospitalized LRI episodes    | 11,050 (6,699—17,209)                       | 1,560 (842—2,683)                                   | 326 (176—561)                        |
| LRI episodes                 | 34,601 (28,763—41,050)                      | 4,884 (3,050—6,966)                                 | 1,021 (637—14,56)                    |
| <b>Americas</b>              |   |   |                                      |
| Hospitalized LRI episodes    | 6,635 (4,495—9,314)                         | 936 (550—1,485)                                     | 137 (80—217)                         |
| LRI episodes                 | 23,406 (20,334—26,777)                      | 3,304 (2,149—4,639)                                 | 483 (314—678)                        |
| <b>Eastern Mediterranean</b> |   |   |                                      |
| Hospitalized LRI episodes    | 2,950 (1,761—4,671)                         | 416 (224—718)                                       | 107 (57—184)                         |
| LRI episodes                 | 20,996 (17,071—25,344)                      | 2,964 (1,874—4,284)                                 | 760 (481—1,099)                      |
| <b>Europe</b>                |   |   |                                      |
| Hospitalized LRI episodes    | 8,512 (5,600—12,267)                        | 1,201 (677—1,946)                                   | 170 (96—276)                         |
| LRI episodes                 | 22,212 (18,989—25,797)                      | 3,135 (2,025—4,415)                                 | 444 (287—626)                        |
| <b>Southeast Asia</b>        |   |   |                                      |
| Hospitalized LRI episodes    | 4,446 (2,706—6,889)                         | 628 (349—1,070)                                     | 51 (28—87)                           |
| LRI episodes                 | 98,555 (81,841—116,740)                     | 13,911 (8,988—19,886)                               | 1,134 (732—1,620)                    |
| <b>Western Pacific</b>       |   |   |                                      |
| Hospitalized LRI episodes    | 6,376 (4,389—8,830)                         | 900 (531—1,444)                                     | 62 (37—100)                          |
| LRI episodes                 | 27,186 (22,860—32,100)                      | 3,837 (2,469—5,528)                                 | 266 (171—383)                        |

\*All-cause estimates are derived from Global Burden of Disease project, adapted for 2016, among individuals 20 years and older.