**Table S1.** Statistical model to estimate the proportion of Tampa Bay residents with vaccine-induced pH1N1 virus seropositivity in November- December 2009, including all components and equations

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **A** | **B** | **C****A\*B** | **D** | **E****C\*(D-C)** | **F****(C-E)** | **G****(D-F)** |
| **Age Group** | Vaccine coverage estimate1 (%) | Vaccine immunogenicity estimate2 (%) | Proportion with vaccine-induced seropositivity3 (%)  | Assay-Adjusted Seroprevalence4(%) | Proportion with infection and vaccination5 (%) | Proportion with vaccine-induced seropositivity not infected prior to vaccination6 (%) | Proportion infected with pH1N1 virus7,% (Min-Max) |
| **< 5 years** | 17% | 60% | 10% | 35 (23-47) | 2.5% | 7.5% | 28 (14-41) |
| **5-17 years** | 15% | 80% | 12% | 60 (52-67) | 5.8% | 6.4% | 53 (45-62) |
| **18-24 years** | 6.0% | 95% | 5.7% | 50 (42-58) | 2.6% | 3.1% | 47 (39-56) |
| **25-49 years** | 6.0% | 95% | 5.7% | 24 (17-30) | 1.0% | 4.7% | 19 (12-26) |
| **50-64 years** | 7.4% | 95% | 7.0% | 18 (12-23) | 0.7% | 6.3% | 11 (5-17) |
| **≥ 65 years** | 9.8% | 85% | 8.3% | 17 (11-22) | 0.7% | 7.6% | 9.2 (3.0-15) |
| **Total** | 9.0% | 85% | 7.7% | 30 (27-34) | 1.7% | 5.9% | 25 (21-28) |