**Supplemental Table 1.** Characteristics of VE eligible participants by influenza test results; New Vaccine Surveillance Network, 2015–2016

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | Total  n (col%) | Influenza Positive  n (col%) | Influenza Negative  n (col%) | P-valuea |
| **All children** | 1436 | 124 | 1312 |  |
| **Study site** |  |  |  | <0.01 |
| Cincinnati | 190 (13) | 16 (13) | 174 (13) |  |
| Houston | 438 (30) | 25 (20) | 413 (32) |  |
| Kansas City | 139 (10) | 16 (13) | 123 (9) |  |
| Nashville | 86 (6) | 11 (9) | 75 (6) |  |
| Oakland | 260 (18) | 19 (15) | 241 (18) |  |
| Rochester | 57 (4) | 12 (10) | 45 (4) |  |
| Seattle | 266 (19) | 25 (20) | 241 (18) |  |
| **Age in years, mean (SD)** | 4 (4) | 5 (4) | 4 (4) | 0.54 |
| **Age group** |  |  |  | 0.08 |
| 6–23 months | 596 (41) | 43 (35) | 553 (42) |  |
| 2–8 years | 646 (45) | 57 (46) | 589 (45) |  |
| 9–17 years | 194 (14) | 24 (19) | 170 (13) |  |
| **Sex** |  |  |  | 0.62 |
| Male | 818 (57) | 68 (55) | 750 (57) |  |
| Female | 618 (43) | 56 (45) | 562 (43) |  |
| **Race/Ethnicity** |  |  |  | 0.02 |
| White, non-Hispanic/non-Latino | 449 (31) | 43 (35) | 406 (31) |  |
| Black, non-Hispanic/non-Latino | 322 (22) | 39 (31) | 283 (22) |  |
| Other, non-Hispanic/non-Latino | 184 (13) | 12 (10) | 172 (13) |  |
| Hispanic/Latino | 481 (34) | 30 (24) | 451 (34) |  |
| **Health insurance status** |  |  |  | <0.01 |
| Public/Self-pay/Unknown | 875 (61) | 93 (75) | 782 (60) |  |
| Private/Private and public | 561 (39) | 31 (25) | 530 (40) |  |
| **Underlying medical conditionsb** | |  |  | 0.39 |
| None | 562 (39) | 53 (43) | 509 (39) |  |
| > 1 | 874 (61) | 71 (57) | 803 (61) |  |
| **Days of symptoms since illness onset** | | |  | 0.01 |
| 0–2 days | 364 (25) | 20 (16) | 344 (26) |  |
| 3–4 days | 551 (39) | 44 (35) | 507 (39) |  |
| 5–7 days | 432 (30) | 48 (39) | 384 (29) |  |
| 8–10 days | 89 (6) | 12 (10) | 77 (6) |  |
| **Vaccination status by parental reportc** | |  |  | <0.01 |
| Vaccinated | 947 (66) | 53 (43) | 894 (68) |  |
| Unvaccinated | 489 (34) | 71 (57) | 418 (32) |  |
| **Vaccination status by documented recordsc** | |  |  | <0.01 |
| Vaccinated | 845 (59) | 49 (40) | 796 (61) |  |
| Unvaccinated | 591 (41) | 75 (60) | 516 (39) |  |

Abbreviations: SD, standard deviation.

a p-value for test of difference across influenza test results using χ2 test for categorical variables and *t* test for continuous variables.

b Underlying medical conditions included chronic pulmonary/airway, cardiac, gastrointestinal, kidney, endocrine, neurologic/neuromuscular, hematologic/oncologic, genetic/metabolic, immunocompromised conditions, and prematurity (history obtained for children <2 years).

c Children were considered vaccinated if they received >1 influenza vaccine dose >14 days before illness onset.