**Appendix A: Criteria for the identification of cases and non-cases**

|  |  |  |
| --- | --- | --- |
|  | **Confirmation of HA-ILI Case** | **Exclusion of HA-ILI cases** |
| **Chart Review** | * Influenza or respiratory symptoms in discharge diagnosesa, problem list, chief complaint or visit history

AND* Documentation of fever (measured or reported)
 | * Influenza or respiratory symptoms in discharge diagnoses, problem list, chief complaint or visit history with NO fever
* Documentation of fever with NO influenza or respiratory symptoms
* Documentation of fever or any respiratory symptoms at time of index visit
 |
| **Parent Interview** | * Report of new onset of any one of the following respiratory symptoms: cough, rhinorrhea, sore throat, nasal congestion, wheezing, shortness of breath within 1-8 days of index office visit

 AND* Report of new-onset fever within 1-8 days of index office visit
 | * Respiratory symptoms without fever
* Fever without respiratory symptoms
* Fever and respiratory symptoms outside of 1-8 day window
* Any respiratory symptoms at time of index visit
 |

a Discharge diagnoses and problem lists were recorded as ICD-9 codes; chief complaints and visit history were recorded in free text

**Appendix B: Socio-demographic Characteristics of Study Population**

|  |  |  |  |
| --- | --- | --- | --- |
| **Patient Characteristics** | **Casesa****(n=372)** | **Non-casesa****(n=980)** | **Total****(n=1,352)** |
| **Patient Gender** |  |  |  |
| Female  | 158 (42.3) | 474 (48.4) | 632 (46.8) |
| Male  | 214 (57.5) | 506 (51.6) | 720 (53.3) |
| **Practice Location**  |  |  |  |
| Suburban  | 280 (75.3) | 753 (76.8) | 1,033 (76.4) |
| Urban  | 92 (24.7) | 227 (23.2) | 319 (23.6) |
| **Patient Age (years)** |  |  |  |
| ≤ 1  | 149 (40.1) | 421 (43.0) | 570 (42.2) |
| > 1 – 2  | 129 (34.7) | 214 (21.8) | 343 (25.4) |
| > 2 – 4  | 65 (17.5) | 194 (19.8) | 259 (19.2) |
| > 4 – <6  | 29 (7.8) | 151 (15.4) | 180 (13.3) |
| **Patient Race** |  |  |  |
| White  | 206 (55.4) | 527 (53.8) | 733 (54.2) |
| Black  | 102 (27.4) | 244 (24.9) | 346 (25.6) |
| Otherb  | 20 (5.4) | 64 (6.6) | 84 (6.2) |
| Refused  | 44 (11.8) | 145 (14.8) | 189 (14.0) |
| **Patient Ethnicity** |  |  |  |
| Hispanic  | 16 (4.3) | 48 (4.9) | 64 (4.7) |
|  |  |  |  |
| **Insurance** |  |  |  |
| Medicaid  | 135 (36.3) | 309 (31.5) | 444 (32.8) |
| Private  | 234 (62.9) | 649 (66.2) | 883 (65.3) |
| Self-pay  | 2 (0.5) | 5 (0.5) | 7 (0.5) |
| Unknown | 1 (0.3) | 17 (1.7) | 18 (1.3) |
| **# Children in household** |  |  |  |
| 1 | 132 (35.5) | 320 (32.7) | 452 (33.4) |
| 2 | 142 (38.2) | 402 (41.0) | 544 (40.2) |
| 3 or more | 97 (26.1) | 257 (26.3) | 354 (26.2) |
| **Type of Housing** |  |  |  |
| Single Family | 306 (82.3) | 792 (80.8) | 1,098 (81.2) |
| Multi Family | 16 (4.3) | 49 (5.0) | 65 (4.8) |
| Apartment | 50 (13.4) | 139 (14.2) | 189 (14.0) |
| **# bedrooms in home** |  |  |  |
| 1 | 10 (2.7) | 28 (2.9) | 38 (2.8) |
| 2 | 55 (14.8) | 155 (15.8) | 210 (15.5) |
| 3 | 175 (47.0) | 442 (45.1) | 617 (45.6) |
| 4 | 106 (28.5) | 272 (27.8) | 378 (28.0) |
| >4 | 24 (6.5) | 78 (8.0) | 102 (7.5) |
| Unknown | 2 (0.54) | 5 (0.51) | 7 (0.52) |
| **# children in shared bedroom** |  |  |  |
| 0 | 302 (81.2) | 763 (77.9) | 1,065 (78.8) |
| 1 | 60 (16.1) | 181 (18.5) | 241 (17.8) |
| 2 or more | 10 (2.7) | 34 (3.5) | 44 (3.2) |
| **Type of child care** |  |  |  |
| Parent/guardian | 178 (47.9) | 550 (56.1) | 728 (53.9) |
| Part-time day care / school | 62 (16.7) | 135 (13.8) | 197 (14.6) |
| Full-time day care / school | 127 (34.2) | 279 (28.5) | 406 (30.1) |
| Unknown | 5 (1.3) | 16 (1.6) | 21 (1.6) |
| **Mass gathering attendance** |  |  |  |
| Yes | 101 (27.2) | 293 (29.9) | 394 (29.1) |
| **Sick contact with respiratory symptoms** |  |  |  |
| Yes | 101 (27.2) | 199 (20.3) | 300 (22.2) |

aBased upon ICD-9 diagnosis code case definition

bOther includes Asian, American Indian / Alaskan Native and Multiple Races