**Supplementary Table for Review: Sensitivity and specificity (with 95 % Confidence Intervals) of different case definitions for detection of influenza among under-5 year and older hospitalized patients, Ballabgarh, India, July 2009—August 2011**

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|  | **Sensitivity** | | | | **Specificity** | | | |
| **Under 5 Years (n=257)** | | **5-years and older (n=786)** | | **Under 5 Years (n=257)** | | **5-years and older (n=786)** | |
| ≥1 respiratory symptom | 94% | (72.7%-99.9%) | 95% | (85.1%-98.9%) | 32% | (26.3%-38.5%) | 7% | (5%-8.8%) |
| Acute respiratory infection | 89% | (65.3%-98.6%) | 88% | (75.9%-94.8%) | 34% | (28.3%-40.7%) | 49% | (45.4%-52.7%) |
| Influenza-like illness | 17% | (3.6%-41.4%) | 54% | (39.7%-67%) | 88% | (83.5%-92.1%) | 84% | (80.8%-86.3%) |
| Severe acute respiratory illness\* | 67% | (41%-86.7%) | 16% | (7.6%-28.3%) | 47% | (40.4%-53.4%) | 96% | (94%-97.1%) |
| Febrile acute respiratory illness | 17% | (3.6%-41.4%) | 54% | (39.7%-67%) | 87% | (82.6%-91.4%) | 83% | (80.4%-85.9%) |
| **Additional Case Definitions which include reported fever and case definitions based on symptom complexes** | | | | | | | | |
| Influenza-like illness: measured or reported fever | 78% | (52.4%-93.6%) | 79% | (65.6%-88.4%) | 49% | (42.9%-55.9%) | 63% | (59.5%-66.7%) |
| Severe acute respiratory illness: measured or reported fever \* | 67% | (41%-86.7%) | 27% | (15.8%-40.3%) | 47% | (40.4%-53.4%) | 88% | (85.2%-90.1%) |
| Febrile acute respiratory illness: measured or reported fever | 83% | (58.6%-96.4%) | 82% | (69.6%-91.1%) | 44% | (37.9%-50.9%) | 61% | (57.5%-64.7%) |
| Measured fever plus cough | 17% | (3.6%-41.4%) | 48% | (34.7%-62%) | 88% | (83.5%-92.1%) | 85% | (82%-87.3%) |
| Measured or reported fever plus cough | 78% | (52.4%-93.6%) | 73% | (59.7%-84.2%) | 49% | (42.9%-55.9%) | 65% | (61.6%-68.7%) |
| Measured fever plus either cough or nasal discharge | 17% | (3.6%-41.4%) | 48% | (34.7%-62%) | 88% | (83%-91.7%) | 84% | (81.5%-86.9%) |
| Measured or reported fever plus either cough or nasal discharge | 83% | (58.6%-96.4%) | 75% | (61.6%-85.6%) | 47% | (40.8%-53.8%) | 64% | (60.4%-67.5%) |

*\*Age-specific definitions as noted in Table 1 were used. The requirement of fever (measured or measured/reported) was included only for persons 5 years of age and older*

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