**Additional file 1. Case definitions of ILI and LRTI syndromes**

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| **Syndrome** | **Case definition** |
| **ILI** | * statement by physician: patient with “suspected or confirmed Influenza” or “ILI”; * presence of fever and respiratory symptoms (sore throat OR cough OR phlogosis/inflammation of respiratory tract OR ...) recorded during the ED access; * symptoms reported by the patient within 7 days: fever and respiratory symptoms (sore throat OR cough OR phlogosis/inflammation of respiratory tract OR of ...); * presence of dyspnea or respiratory failure preceded by ILI OR fever and respiratory symptoms;   even if the access is due to potential non-infectious complications of influenza. |
| **LRTI** | * statement by physician: patient with “suspected or confirmed bronchitis, bronchiolitis, bronchopneumonia, bronchial pneumonia, ...” * presence of fever, respiratory symptoms and radiological finding of bronchitis, bronchiolitis, bronchopneumonia, bronchial pneumonia. |