**SUPPLEMENTARY MATERIAL**

**Supplementary Table S1. Read code lists for influenza-like illness (ILI) and cough and fever symptoms**

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| **Influenza-like illness (ILI)** | |
| **Read code** | **Description** |
| 16L..00 | Influenza-like symptoms |
| 1J72.00 | Suspected influenza A virus subtype H1N1 infection |
| 1J72.11 | Suspected swine influenza |
| 1W0..00 | Possible influenza A virus H1N1 subtype |
| 43dF.00 | Influenza A antibody level |
| 43dG.00 | Influenza B antibody level |
| 43k2.00 | Influenza A antigen level |
| 43k3.00 | Influenza B antigen level |
| 43w6.00 | Influenza A nucleic acid detection |
| 43wD.00 | Influenza B nucleic acid detection |
| 4J3L.00 | Influenza A virus H1N1 subtype detected |
| 4J3M.00 | Influenza A virus H1N1 subtype not detected |
| 4JDb.00 | Influenza (A&B) serology |
| 4JDe.00 | Influenza A virus subtype H1N1 serology |
| 4JU0.00 | Influenza H1 virus detected |
| 4JU1.00 | Influenza H2 virus detected |
| 4JU2.00 | Influenza H3 virus detected |
| 4JU3.00 | Influenza H5 virus detected |
| 4JU4.00 | Influenza A virus, other or untyped strain detected |
| 4JU5.00 | Influenza B virus detected |
| 4JU6.00 | Oseltamivir resistant virus detected |
| 4JU7.00 | Zanamivir resistant virus detected |
| 4JU8.00 | Amantadine resistant virus detected |
| 9G5..00 | Local flu response centre notified |
| 9N31000 | Telephne consultatn suspected influenza A virus subtype |
| 9N31011 | Telephone consultation for suspected swine flu |
| F030800 | Encephalitis due to influenza-specific virus not identified |
| F030A00 | Encephalitis due to influenza-virus identified |
| G520300 | Acute myocarditis - influenzal |
| H2...00 | Pneumonia and influenza |
| H27..00 | Influenza |
| H270.00 | Influenza with pneumonia |
| H270.11 | Chest infection - influenza with pneumonia |
| H270000 | Influenza with bronchopneumonia |
| H270100 | Influenza with pneumonia, influenza virus identified |
| H270z00 | Influenza with pneumonia NOS |
| H271.00 | Influenza with other respiratory manifestation |
| H271000 | Influenza with laryngitis |
| H271100 | Influenza with pharyngitis |
| H271z00 | Influenza with respiratory manifestations NOS |
| H27y.00 | Influenza with other manifestations |
| H27y000 | Influenza with encephalopathy |
| H27y100 | Influenza with gastrointestinal tract involvement |
| H27yz00 | Influenza with other manifestations NOS |
| H27z.00 | Influenza NOS |
| H27z.11 | Flu like illness |
| H27z.12 | Influenza like illness |
| H29..00 | Avian influenza |
| H2A..00 | Influenza due to Influenza A virus subtype H1N1 |
| H2A..11 | Influenza A (H1N1) swine flu |
| H2y..00 | Other specified pneumonia or influenza |
| H2z..00 | Pneumonia or influenza NOS |
| Hyu0400 | [X]Flu+oth respiratory manifestations,'flu virus identified |
| Hyu0500 | [X]Influenza+other manifestations,influenza virus identified |
| Hyu0600 | [X]Influenza+oth respiratory manifestatns,virus not identified |
| Hyu0700 | [X]Influenza+other manifestations, virus not identified |

**Supplementary Table S2: Ten most common read codes recorded among patients who were prescribed a neuraminidase inhibitor, 2010/11-2012/13**

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| **Read code** | **Description** | **Count of codes** |
| H27z.11 | Flu like illness | 739 |
| 9N31.00 | Telephone encounter | 379 |
| H27..00 | Influenza | 365 |
| 16L..00 | Influenza-like symptoms | 118 |
| 9N1C.11 | Home visit | 59 |
| 6A...00 | Patient reviewed | 48 |
| 9N3A.00 | Telephone triage encounter | 39 |
| 171..00 | Cough | 38 |
| H05z.11 | Upper respiratory tract infection NOS | 35 |
| 9....00 | Administration | 34 |