**ESP CASE DETECTION ALGORITHM**

**Influenza-like Illness**

**Document Version 2.3**

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**Modification History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Modification** | **By** |
| 2.3 | 03/16/2020 | Update ICD list | CII |
| 2.2 | 10/11/2017 | Added ESP Logo and MDPH branding | DPM |
| 2.1 | 7/5/2017 | Transferred to new algorithm template | DPM |
| 2.0 | 11/13/2012 | Initial draft of algorithm spec |  |
| 1.0 | 2/16/2012 | Initial definition and sample report |  |

1. *Overview*

The purpose of this document is to describe the criteria used to identify Influenza-like Illness (ILI) in MDPHnet and RiskScape data.

1. *Criteria used to identify cases using ESP data*

# I. CASE CRITERIA

One ICD-9 or ICD-10 code for any influenza-like symptom below **AND**

Measured fever >100°F OR ICD-9 or ICD-10 code for fever.

*3. Codes, laboratory tests, and medications used to identify criteria listed in Sections 2 and 3.*

# I. DIAGNOSIS CODES USED TO IDENTIFY INFLUENZA-LIKE ILLNESS

|  |  |  |  |
| --- | --- | --- | --- |
| Influenza-like symptoms | ICD-9 | 079.3 | Rhinovirus infect nos |
| 079.89 | Other specified viral infection |
| 079.99 | Unspecified viral infection |
| 460 | Nasopharyngitis, acute |
| 462 | Pharyngitis, acute nos |
| 464 | Laryngitis and tracheitis, ac. |
| 464.0 | Laryngitis, ac. |
| 464.00 | Laryngitis, ac.w/o obstruct |
| 464.01 | Laryngitis, ac.w/ obstruct |
| 464.1 | Tracheitis, ac. |
| 464.10 | Ac tracheitis w/o obstruct |
| 464.11 | Ac tracheitis w/ obstruct |
| 464.2 | Laryngotracheitis, ac. |
| 464.20 | Ac laryngotrach w/o obstr |
| 464.21 | Ac laryngotrach w/ obstr |
| 465 | Uri, ac. Mult. Or unspec. Sites |
| 465.0 | Laryngopharyngitis, acute |
| 465.8 | Uri, other mult. Sites |
| 465.9 | Uri, acute nos |
| 466 | Bronchitis and bronchiolitis acute |
| 466.19 | Bronchiolitis due other org's |
| 478.9 | Respiratory tract disease |
| 480.8 | Viral pneumonia nec |
| 480.9 | Pneumonia, viral |
| 481 | Pneumococcal pneumonia |
| 482.4 | Staph pneumonia nos |
| 482.41 | Pneumonia, staphylococ. Aureus |
| 482.42 | Mrsa pneumonia |
| 482.49 | Oth staph pneumonia |
| 484.8 | Pneum in infect dis nec |
| 485 | Bronchopneumonia organism nos |
| 486 | Pneumonia, organism nos |
| 487 | Influenza |
| 487.0 | Influenza with pneumonia |
| 487.1 | Influenza w/ oth resp manifest |
| 487.8 | Influenza w/ oth manifest |
| 784.1 | Pain in throat |
| 786.2 | Cough |
| ICD-10 | B33.8 | Other specified viral diseases |
| B34.1 | Enterovirus infection, unspecified |
| B34.2 | 'Coronavirus infection, unspecified |
| B34.4 | Papovavirus infection, unspecified |
| B34.8 | 'Other viral infections of unspecified site |
| B97.19 | Other enterovirus as the cause of diseases classed elsewhere |
| B97.29 | Other coronavirus as the cause of diseases classed elsewhere |
| B97.89 | Other viral agents as the cause of diseases classed elsewhere |
| J00 | Acute nasopharyngitis [common cold] |
| J02.9 | Acute pharyngitis, unspecified |
| J04.0 | Acute laryngitis |
| J04.10 | Acute tracheitis without obstruction |
| J04.11 | Acute tracheitis with obstruction |
| J04.2 | Acute laryngotracheitis |
| J05.0 | Acute obstructive laryngitis [croup] |
| J06.0 | Acute laryngopharyngitis |
| J06.9 | Acute upper respiratory infection, unspecified |
| J20.9 | Acute bronchitis, unspecified |
| J21.8 | Acute bronchiolitis due to other specified organisms |
| J21.9 | Acute bronchiolitis, unspecified |
| J39.8 | Other specified diseases of upper respiratory tract |
| J39.9 | Disease of upper respiratory tract, unspecified |
| J12.89 | Other viral pneumonia |
| J12.9 | Viral pneumonia, unspecified |
| J13 | Pneumonia due to Streptococcus pneumoniae |
| J18.1 | Lobar pneumonia, unspecified organism |
| J15.20 | Pneumonia due to staphylococcus, unspecified |
| J15.211 | Pneumonia due to methicillin suscep staph |
| J15.212 | Pneumonia due to Methicillin resistant Staphylococcus aureus |
| J15.29 | Pneumonia due to other staphylococcus |
| J17 | Pneumonia in diseases classified elsewhere |
| J18.0 | Bronchopneumonia, unspecified organism |
| J18.8 | Other pneumonia, unspecified organism |
| J18.9 | Pneumonia, unspecified organism |
| J10.00 | Flu due to other ident flu virus w unsp type of pneumonia |
| J10.08 | Influenza due to other ident influenza virus w other pneumonia |
| J11.00 | Flu due to unidentified flu virus w unsp type of pneumonia |
| J11.08 | Flu due to unidentified flu virus w specified pneumonia |
| J12.9 | Viral pneumonia, unspecified |
| J10.01 | Flu due to other ident flu virus w same other ident flu virus pn |
| J10.1 | Flu due to oth ident influenza virus w oth resp manifest |
| J11.1 | Flu due to unidentified influenza virus w oth resp manifest |
| J10.2 | Influenza due to oth ident influenza virus w GI manifest |
| J10.81 | Influenza due to oth ident influenza virus w encephalopathy |
| J10.82 | Influenza due to oth ident influenza virus w myocarditis |
| J10.83 | Influenza due to oth ident influenza virus w otitis media |
| J10.89 | Influenza due to oth ident influenza virus w oth manifest |
| J11.2 | Influenza due to unidentified influenza virus w GI manifest |
| J11.81 | Flu due to unidentified influenza virus w encephalopathy |
| J11.82 | Influenza due to unidentified influenza virus w myocarditis |
| J11.83 | Influenza due to unidentified influenza virus w otitis media |
| J11.89 | Influenza due to unidentified influenza virus w oth manifest |
| R07.0 | Cough |
| R05 | Pain in throat |
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| Fever | ICD-9 | 780.6 | Fever |
| 780.31 | Febrile convulsions (simple), unspecified |
| ICD-10 | R50.2 | Drug induced fever |
| R50.8 | Other specified fever |
| R50.84 | Febrile nonhemolytic transfusion reaction |
| R50.9 | Fever, unspecified |
| R56.00 | Simple febrile convulsions |