**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 |