**Table S1. International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis codes for defining medically-attended acute infections.**

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| **Infection type** | **ICD-9-CM codes (subcodes included)** | **Description** |
| Upper or lower respiratory tract | 032 | Diphtheria |
| 033 | Whooping cough |
| 034 | Streptococcal sore throat and scarlet fever |
| 052.1 | Varicella with pneumonia |
| 055.1 | Postmeasles pneumonia |
| 055.2 | Postmeasles otitis media |
| 073 | Ornithosis |
| 079.3 | Rhinovirus infection not otherwise specified |
| 079.6 | Respiratory syncytial virus |
| 079.81 | Hantavirus infection |
| 079.82 | SARS-associated coronavirus infection |
| 382.0 | Acute suppurative otitis media |
| 382.4 | Unspecified suppurative otitis media |
| 382.9 | Unspecified otitis media |
| 460 | Nasopharyngitis, acute |
| 461 | Acute sinusitis |
| 462 | Pharyngitis, acute not otherwise specified |
| 463 | Acute tonsillitis |
| 464 | Acute laryngitis and tracheitis |
| 465 | Acute upper respiratory infections of multiple or unspecified sites |
| 466 | Acute bronchitis and bronchiolitis |
| 475 | Peritonsillar abscess |
| 480 | Viral pneumonia |
| 481 | Pneumococcal pneumonia |
| 482 | Other bacterial pneumonia |
| 483 | Pneumonia due to other specified organism |
| 484 | Pneumonia in infectious diseases classified elsewhere |
| 485 | Bronchopneumonia organism unspecified |
| 486 | Pneumonia, organism not otherwise specified |
| 487a | Influenza |
| 488a | Influenza due to identified avian influenza virus |
| 490 | Bronchitis not otherwise specified |
| 510 | Empyema |
| 511.1 | Pleurisy with effusion with a bacterial cause other than tuberculosis |
| 513.0 | Abscess lung |
| Gastrointestinal | 001 | Cholera |
| 002 | Typhoid and paratyphoid fevers |
| 003.0 | Other salmonella infections |
| 004 | Shigellosis |
| 005 | Other food poisoning (bacterial) |
| 006.0 | Acute amebic dysentery without abscess |
| 006.2 | Amebic nondysenteric colitis |
| 007 | Other protozoal intestinal diseases |
| 008 | Intestinal infections due to other organisms |
| 009 | Ill-defined intestinal infections |
| 078.82 | Epidemic vomiting syndrome |
| Unspecified viral infection | 079.99 | Unspecified viral infection |
| Diarrheab | 787.91 | Diarrhea |
| Feverc | 780.6, 780.60, 780.61 | Fever and other physiologic disturbances of temperature regulation |
| Not applicable | Measured temperature of ≥100˚ Fahrenheit |

aInfluenza was part of the general definition for respiratory tract infection, but was also considered separately in secondary analyses.

bDiarrhea was included only in secondary analyses for gastrointestinal infection, as it was considered non-specific for infectious etiology.

cFever was included only in secondary analyses, to improve the specificity of the definition for upper or lower respiratory tract infection.