Table 1. Constitutional Criteria for Infection

| Fever | Leukocytosis | Acute Mental Status Change | Acute Functional Decline |
|-------|--------------|----------------------------|--------------------------|
| 1. Single oral/ tympanic membrane temp >37.8 °C, OR axillary temp 37.5 °C  
2. Repeated oral/ tympanic membrane temp >37.2 °C, OR axillary temp 37 °C  
3. Single temp >1.1 °C from baseline from any site | 1. Neutrophilia (>14,000 WBC / mm³), OR  
2. Left shift (>6% band, OR ≥1,500 bands / mm³) | Acute onset, AND  
Fluctuating course, AND  
Inattention, AND  
Either disorganized thinking, OR altered level of consciousness | 3-point increase in baseline ADL score according to the following items:  
1. Dressing  
2. Face washing  
3. Teeth brushing  
4. Bathing  
5. Eating  
6. Position changing  
7. Sitting up  
8. Transfer from bed to chair  
9. Locomotion out of the room  
10. Toilet use [Each scored from 0 (independent) to 4 (total dependence)] |

Table 2. Urinary Tract Infection (UTI) Surveillance Definitions

| Syndrome | Criteria | Selected Comments* |
|----------|----------|--------------------|
| UTI without indwelling catheter | Must fulfill both 1 AND 2.  
1. At least one of the following signs or symptoms  
   - Acute dysuria or pain, swelling, or tenderness of testes, epididymis, or prostate  
   - Fever or leukocytosis, and ≥1 of the following:  
     - Acute costovertebral angle pain or tenderness  
     - Suprapubic pain  
     - Gross hematuria  
     - New or marked increase in incontinence  
     - New or marked increase in urgency  
     - New or marked increase in frequency  
   - If no fever or leukocytosis, then ≥2 of the following:  
     - Suprapubic pain  
     - Gross hematuria  
     - New or marked increase in incontinence  
     - New or marked increase in urgency  
     - New or marked increase in frequency  
2. At least one of the following microbiologic criteria  
   - ≥10³ cfu/mL of no more than 2 species of organisms in a voided urine sample  
   - ≥10² cfu/mL of any organism(s) in a specimen collected by an in-and-out catheter | The following 2 comments apply to both UTI with or without catheter:  
- UTI can be diagnosed without localizing symptoms if a blood isolate is the same as the organism isolated from urine and there is no alternate site of infection  
- In the absence of a clear alternate source of infection, fever or rigors with a positive urine culture result in the non-catheterized resident or acute confusion in the catheterized resident will often be treated as UTI. However, evidence suggests that most of these episodes are likely not due to infection of a urinary source.  
- Urine specimens for culture should be processed as soon as possible, preferably within 1-2 h  
- If urine specimens cannot be processed within 30 min of collection, they should be refrigerated and used for culture within 24 h |
| UTI with indwelling catheter (in case of insertion or removal within 1 day) | Must fulfill both 1 AND 2.  
1. At least one of the following signs or symptoms  
   - Fever, rigors, or new-onset hypotension, with no alternate site of infection  
   - Either acute change in mental status or acute functional decline, with no alternate diagnosis and leukocytosis  
   - New-onset suprapubic pain or costovertebral angle pain or tenderness  
   - Purulent discharge from around the catheter or acute pain, swelling, or tenderness of the testes, epididymis, or prostate  
2. Urinary catheter specimen culture with ≥10³ cfu/mL of any organism(s) | Recent catheter trauma, catheter obstruction, or new onset hematuria are useful localizing signs that are consistent with UTI but are not necessary for diagnosis  
- Urinary catheter specimens for culture should be collected after replacement of the catheter if it has been in place >14 d |

* Refer to original article (Stone ND, et al. Infect Control Hosp Epidemiol 2012;33:965-77) for full comments

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Patient Name: ____________________ Registration Number: __________ Location: ____________________

Date of Infection: ________________ Date of Review: ________________ Reviewed by: ________________

UTI: □ evaluated □ criteria met  
RTI: □ evaluated □ criteria met  
SSTI: □ evaluated □ criteria met  
GITI: □ evaluated □ criteria met

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Systemic Infection: □ evaluated □ criteria met

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2019 Revised McGeer Criteria for Infection Surveillance Checklist in Long Term Care Hospitals
Table 3. Respiratory Tract Infection (RTI) Surveillance Definitions

| Syndrome                                      | Criteria                                                                 | Selected Comments                                                                 |
|-----------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Common cold syndrome or pharyngitis          | **Must fulfill at least 2 criteria.**                                    | • Fever may or may not be present                                                 |
|                                               | □ Runny nose or sneezing                                                | • Symptoms must be new and not attributable to allergies                         |
|                                               | □ Stuffy nose or nasal congestion                                        |                                                                                  |
|                                               | □ Sore throat, hoarseness, or difficulty in swallowing                   |                                                                                  |
|                                               | □ Dry cough                                                              |                                                                                  |
|                                               | □ Swollen or tender glands in the neck (cervical lymphadenopathy)         |                                                                                  |
| Influenza-like illness                        | **Must fulfill both 1 AND 2.**                                           | • If both criteria for influenza-like illness and another upper or lower RTI are met, only record diagnosis of influenza-like illness |
|                                               | □ 1. Fever                                                               |                                                                                  |
|                                               | □ 2. At least three of the following criteria                           |                                                                                  |
|                                               |   □ Chills                                                                |                                                                                  |
|                                               |   □ New headache or eye pain                                             |                                                                                  |
|                                               |   □ Myalgias or body aches                                               |                                                                                  |
|                                               |   □ Malaise or loss of appetite                                          |                                                                                  |
|                                               |   □ Sore throat                                                          |                                                                                  |
|                                               |   □ New or increased dry cough                                           |                                                                                  |
| Pneumonia                                     | **Must fulfill 1, 2, AND 3.**                                            | • Conditions mimicking the presentation of RTI (e.g., congestive heart failure or interstitial lung diseases) should be excluded |
|                                               | □ 1. Chest X-ray with pneumonia or a new infiltrate                      |                                                                                  |
|                                               | □ 2. At least one of the following criteria                             |                                                                                  |
|                                               |   □ New or increased cough                                               |                                                                                  |
|                                               |   □ New or increased sputum production                                   |                                                                                  |
|                                               |   □ O₂ sat <94% on room air, or >3% decrease from baseline O₂ sat         |                                                                                  |
|                                               |   □ New or changed lung exam abnormalities                               |                                                                                  |
|                                               |   □ Pleuritic chest pain                                                 |                                                                                  |
|                                               |   □ Respiratory rate ≥25 breaths/min                                     |                                                                                  |
|                                               | □ 3. At least one of the following criteria                             |                                                                                  |
|                                               |   □ Fever                                                                |                                                                                  |
|                                               |   □ Leukocytosis                                                        |                                                                                  |
|                                               |   □ Acute mental status change                                           |                                                                                  |
|                                               |   □ Acute functional decline                                             |                                                                                  |
| Low respiratory infection (Bronchitis or Tracheobronchitis) | **Must fulfill 1, 2, AND 3.**                                            | • Conditions mimicking the presentation of RTI (e.g., congestive heart failure or interstitial lung diseases) should be excluded |
|                                               | □ 1. Chest X-ray not performed, or negative for pneumonia or a new infiltrate |                                                                                  |
|                                               | □ 2. At least two of the following criteria                             |                                                                                  |
|                                               |   □ New or increased cough                                               |                                                                                  |
|                                               |   □ New or increased sputum production                                   |                                                                                  |
|                                               |   □ O₂ sat <94% on room air, or >3% decrease from baseline O₂ sat         |                                                                                  |
|                                               |   □ New or changed lung exam abnormalities                               |                                                                                  |
|                                               |   □ Pleuritic chest pain                                                 |                                                                                  |
|                                               |   □ Respiratory rate >25 breaths/min                                     |                                                                                  |
|                                               | □ 3. At least one of the following criteria                             |                                                                                  |
|                                               |   □ Fever                                                                |                                                                                  |
|                                               |   □ Leukocytosis                                                        |                                                                                  |
|                                               |   □ Acute mental status change                                           |                                                                                  |
|                                               |   □ Acute functional decline                                             |                                                                                  |

** □ RTI criteria met  □ RTI criteria NOT met**

* Refer to original article (Stone ND, et al. Infect Control Hosp Epidemiol 2012;33:965-77) for full comments
| Syndrome                                      | Criteria                                                                 | Selected Comments*                                                                 |
|----------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Cellulitis, soft tissue, or wound infection  | **Must fulfill at least 1 criteria.**                                    | • More than 1 resident with streptococcal skin infection from the same serogroup (e.g., A, B, C, G) may indicate an outbreak  |
|                                              | □ Pus at wound, skin, or soft tissue site                                | • Positive superficial wound swab culture is not sufficient evidence to establish a wound infection |
|                                              | □ At least four of the following new or increasing signs or symptoms     |                                                                                   |
|                                              | □ Heat (warmth) at affected site                                        |                                                                                   |
|                                              | □ Redness (erythema) at affected site                                   |                                                                                   |
|                                              | □ Swelling at affected site                                              |                                                                                   |
|                                              | □ Tenderness or pain at affected site                                   |                                                                                   |
|                                              | □ Serous drainage at the affected site                                  |                                                                                   |
|                                              | □ At least one of the following                                         |                                                                                   |
|                                              | □ Fever                                                                  |                                                                                   |
|                                              | □ Leukocytosis                                                           |                                                                                   |
|                                              | □ Acute changed in mental status                                        |                                                                                   |
|                                              | □ Acute functional decline                                               |                                                                                   |
| Scabies                                      | **Must fulfill both 1 AND 2.**                                           | • Must rule out rashes due to skin irritation, allergic reactions, eczema, and other non-infectious skin conditions |
|                                              | □ 1. Maculopapular and/or itching rash                                   | • Epidemiologic linkage refers to geographic proximity, temporal relationship to symptom onset, or evidence of common source of exposure |
|                                              | □ 2. At least one of the following criteria                             |                                                                                   |
|                                              | □ Physician diagnosis                                                   |                                                                                   |
|                                              | □ Lab confirmation (scraping or biopsy)                                  |                                                                                   |
|                                              | □ Epidemiologic linkage to a case of scabies with lab confirmation       |                                                                                   |
| Oral candidiasis                            | **Must fulfill 1 AND 2.**                                                 |                                                                                   |
|                                              | □ 1. Presence of raised white patches on inflamed mucosa or plaques on oral mucosa |                                                                                   |
|                                              | □ 2. Medical or dental diagnosis                                         |                                                                                   |
| Fungal skin infection                       | **Must fulfill 1 AND 2.**                                                 |                                                                                   |
|                                              | □ 1. Characteristic rash or lesions                                     |                                                                                   |
|                                              | □ 2. Physician diagnosis or lab confirmation of fungal pathogen from skin scraping or biopsy |                                                                                   |
| Herpes simplex or Herpes zoster infection   | **Must fulfill 1 AND 2.**                                                 | • Reactivation of herpes simplex (cold sore) or herpes zoster (shingles) is not considered a healthcare-associated infection |
|                                              | □ 1. A vesicular rash                                                   |                                                                                   |
|                                              | □ 2. Physician diagnosis or lab confirmation                            |                                                                                   |
| Conjunctivitis                              | **Must fulfill at least 1 criteria.**                                    | • Conjunctivitis symptoms (pink eye) should not be due to allergy or trauma       |
|                                              | □ Pus from one or both eyes for ≥ 24 h                                  |                                                                                   |
|                                              | □ New or increased conjunctival erythema +/- itching                     |                                                                                   |
|                                              | □ New or increased conjunctival pain for ≥ 24 h                          |                                                                                   |

* Refer to original article (Stone ND, *et al.* Infect Control Hosp Epidemiol 2012;33:965-77) for full comments
### Table 5. Gastrointestinal Tract Infection (GITI) Surveillance Definitions

| Syndrome | Criteria | Selected Comments* |
|----------|----------|--------------------|
| **Gastroenteritis** | Must fulfill at least 1 criteria. | • Exclude non-infectious causes of symptoms such as new medications causing diarrhea, nausea, or vomiting or diarrhea resulting from initiation of new enteral feeding  
• Presence of new GI symptoms in a single resident may prompt enhanced surveillance for additional cases  
• In the presence of an outbreak, stool specimens should be sent to confirm the presence of norovirus or other pathogens (e.g., rotavirus, E coli O157:H7) |
| □ Diarrhea: ≥ 3 liquid or watery stools above what is normal for the resident within 24 h  
□ Vomiting: ≥ 2 episodes in 24 h  
□ Both of the following signs or symptoms  
  □ Stool specimen positive for a pathogen (e.g., Salmonella, Shigella, E coli O157:H7, Campylobacter species, rotavirus)  
  □ At least one of the following criteria  
    □ Nausea  
    □ Vomiting  
    □ Abdominal pain or tenderness  
    □ Diarrhea | |
| **Norovirus gastroenteritis** | Must fulfill both 1 AND 2. | • In the absence of lab confirmation, a norovirus gastroenteritis outbreak (≥ 2 cases in a LTCF) may be assumed if all of the Kaplan Criteria are present  
  o Vomiting in >50% of affected persons  
  o A mean or median incubation period of 24-48 h  
  o A mean or median duration of illness of 12-60 h, and  
  o No bacterial pathogen is identified in stool culture |
| □ 1. At least one of the following criteria  
  □ Diarrhea: ≥ 3 liquid or watery stools above what is normal for the resident within 24 h  
  □ Vomiting: ≥ 2 episodes in 24 h  
□ 2. A stool specimen positive for norovirus detected by electron microscopy, enzyme immunoassay, or molecular diagnostic testing | |
| **Clostridium difficile infection** | Must fulfill 1 AND 2. | • Individual previously infected with C difficile may continue to be colonized even after symptoms resolve  
• In the setting of an outbreak of GI infection, individuals could be C difficile toxin positive because of ongoing colonization and also be co-infected with another pathogen. Other surveillance criteria should be used to differentiate between infections in this scenario |
| □ 1. At least one of the following criteria  
  □ Diarrhea: ≥ 3 liquid or watery stools above what is normal for the resident within 24 h  
  □ Presence of toxic megacolon (radiologic finding of abnormal large bowel dilatation)  
□ 2. At least one of the following diagnostic criteria  
  □ Stool sample positive for C difficile toxin A or B, or detection of toxin-producing C difficile by culture or PCR in stool sample  
  □ Pseudomembranous colitis identified in endoscopic exam, surgery, or histopathologic exam of biopsy specimen | |

* Refer to original article (Stone ND, et al. Infect Control Hosp Epidemiol 2012;33:965-77) for full comments
### Table 6. Systemic Infection (BSIs) Surveillance Definitions

| Syndrome                        | Criteria                                                                                                                                                                                                                                                                  | Selected Comments                                                                                       |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Primary bloodstream infection    | **One of the following criteria must be met**  
  □ 1. At least one of the following criteria  
  □ 2. A single blood culture documented with an organism thought not to be a contaminant **and at least one** of the following:  
  □ fever(see Table 1)  
  □ new hypothermia (<34.5º C, or does not register on the thermometer being used)  
  □ a drop in systolic blood pressure of > 30mm Hg from baseline  
  □ worsening mental or functional status(see Table 1) | Bloodstream infections related to infection at another site are reported as secondary bloodstream infections and are not included as separate infections |
| Unexplained febrile episode      | □ The resident must have documentation in the medical record of fever(>38º C) on two or more occasions at least 12 hours apart in any 3-day period, with no known infectious or non-infectious cause.                                                                                             | Fever(see Table 1)                                                                                      |

* BSIs criteria met

* BSIs criteria NOT met

* Refer to original article (Stone ND, et al. Infect Control Hosp Epidemiol 2012;33:965-77) for full comments