



Patient Safety Component—Annual Facility Survey for LTAC

Instructions for this form are available at: <http://www.cdc.gov/nhsn/forms/instr/TOI-57.150-LTAC.pdf>

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*required for saving Tracking #:

*Facility ID: *Survey Year:

Facility Characteristics (completed by Infection Preventionist)

*Ownership (check one):
 For profit Not for profit, including church Government Veterans Affairs

*Affiliation (check one):
 Independent Multi-facility organization (specialty hospital network)
 Hospital system

*Setting/classification: ___ Free-standing ___ Within a hospital

If classified as “Free-standing,” does your LTAC hospital share physical housing with one or more of the following on-site facilities or units (check all that apply)?

- No
- Skilled nursing facility (SNF)/nursing home
- Residential facility (assisted living)
- Inpatient rehabilitation facility
- Neuro-behavioral unit or facility
- Other (please specify: _____)

If classified as “Within a hospital,” is your LTAC hospital located:

- In a building that does not provide acute care services (e.g., psychiatric hospital)? Yes No
 Near (but not within) an acute care hospital? Yes No

In the previous calendar year, indicate:

*Number of patient days: _____
 *Number of admissions: _____
 *Average daily census: _____

*Numbers of LTAC beds in the following categories (categories should equal total):

- a. Intensive care unit (ICU) or critical care beds: _____
- b. High observation/special care/high acuity beds (not ICU): _____
- c. General LTAC beds:
 *Total number of LTAC beds (licensed capacity): _____
 *Number of single occupancy rooms: _____

*Total number of admissions with one of the following conditions identified on admission (present on admission, not developing during LTAC stay): (Note: These categories are not mutually exclusive.)

If helpful for your facility in identifying these conditions on admission, please review a list of ICD-10 and DRG codes commonly associated with these conditions found here:

<http://www.cdc.gov/nhsn/xls/DRGs-ICD-9s-NHSN-LTAC-Survey.xlsx>

- a. Ventilator dependence: _____
- b. Hemodialysis: _____

Assurance of Confidentiality: The voluntarily provided information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Sections 304, 306 and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).

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Facility Microbiology Laboratory Practices (completed with input from Microbiology Laboratory Lead)

*1. Does your facility have its own on-site laboratory that performs antimicrobial bacterial susceptibility testing?

Yes No

If No, where is your facility's antimicrobial susceptibility testing performed? (check one)

Affiliated medical center Commercial referral laboratory Other local/regional, non-affiliated reference laboratory

*2. For the following organisms please indicate which methods are used for:

- (1) Primary susceptibility testing and
- (2) Secondary, supplemental, or confirmatory testing (if performed).

If your laboratory does not perform susceptibility testing, please indicate the methods used at the outside laboratory.

Please use the testing codes listed below the table.

Pathogen	(1) Primary	(2) Secondary	Comments
<i>Staphylococcus aureus</i>	_____	_____	_____
Enterobacteriaceae	_____	_____	_____
1 = Kirby-Bauer disk diffusion	5.1 = MicroScan <u>WalkAway</u>	10 = E test	
2 = Vitek (Legacy)	5.2 = MicroScan auto <u>SCAN</u>	12 = Vancomycin agar screen (BHI + vancomycin)	
2.1 = Vitek 2	6 = Other broth micro dilution method	13 = Other (describe in Comments section)	
3.1 = BD Phoenix	7 = Agar dilution method		
4 = Sensititre			

*3. Has the laboratory implemented the revised cephalosporin and monobactam breakpoints for Enterobacteriaceae recommended by CLSI as of 2010? Yes No

*4. Has the laboratory implemented the revised carbapenem breakpoints for Enterobacteriaceae recommended by CLSI as of 2010? Yes No

*5. Does the laboratory perform a test for presence of carbapenemase? (this does not include automated testing instrument expert rules) Yes No

If Yes, please indicate what is done if carbapenemase production is detected: (check one)

- Change susceptible carbapenem results to resistant
- Report carbapenem MIC results without an interpretation
- No changes are made in the interpretation of carbapenems, the test is used for epidemiological or infection control practices

If Yes, which test is routinely performed to detect carbapenemase: (check all that apply)

- PCR
- MBL Screen
- Modified Hodge Test
- Carba NP
- mCIM/CIM
- Rapid CARB Blue
- E test
- Other (specify): _____
- Cepheid, BioFire array, Verigene®

If Yes, does the laboratory have a policy to routinely notify any of the following when CP-CRE are detected?_

- Physician Yes No
- Infection Control Yes No

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Facility Microbiology Laboratory Practices (completed with input from Microbiology Laboratory Lead)

*1. Does your facility have its own on-site laboratory that performs antimicrobial bacterial susceptibility testing?

- Yes No

If No, where is your facility's antimicrobial susceptibility testing performed? (check one)

- Affiliated medical center Commercial referral laboratory Other local/regional, non-affiliated reference laboratory

Facility Microbiology Laboratory Practices (continued)

*6. Does the laboratory perform colistin or polymyxin B susceptibility testing for drug-resistant Gram-negative bacilli? Yes No

If Yes, please indicate methods: (check all that apply; answers listed are generic antimicrobial susceptibility testing methods and do not imply they are recommended for use in polymyxin susceptibility testing)

- | | | |
|--|---|---|
| <input type="checkbox"/> Vitek 2 | <input type="checkbox"/> MicroScan autoSCAN | <input type="checkbox"/> Kirby-Bauer disk diffusion |
| <input type="checkbox"/> BD Phoenix | <input type="checkbox"/> Other broth microdilution method | <input type="checkbox"/> Accelerate Pheno |
| <input type="checkbox"/> Sensititre | <input type="checkbox"/> Agar dilution method | <input type="checkbox"/> Other (specify): _____ |
| <input type="checkbox"/> MicroScan- WalkAway | <input type="checkbox"/> E test | |

*7. Which of the following methods are used for yeast identification at your facility's laboratory or at the outside laboratory serving your facility? (check all that apply)

- MALDI-TOF MS System (Vitek MS)
- MALDI-TOF MS System (Bruker Biotyper)
- Vitek-2
- BD Phoenix
- MicroScan
- Non-automated Manual Kit (e.g., API 20C, RapID, Germ Tube, PNA-FISH, etc.)
- DNA sequencing
- Other (specify) _____

*8. *Candida* isolated from which of the following body sites are usually fully identified to the species level? (check all that apply)

- Blood
- Other normally sterile body site (e.g.: CSF)
- Urine
- Respiratory
- Other (specify) _____
- None are fully identified to the species level

*9. What method is used for antifungal susceptibility testing (AFST) at your facility's laboratory or the outside laboratory serving your facility? (check all that apply)

- | | | | |
|--|--|---------------------------------|---------------------------------------|
| <input type="checkbox"/> Broth microdilution | <input type="checkbox"/> YeastOne colorimetric microdilution | <input type="checkbox"/> E test | <input type="checkbox"/> Vitek 2 card |
| <input type="checkbox"/> Disk diffusion | <input type="checkbox"/> Other (specify): _____ | | |

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Facility Microbiology Laboratory Practices (completed with input from Microbiology Laboratory Lead)

*1. Does your facility have its own on-site laboratory that performs antimicrobial bacterial susceptibility testing?

- Yes No

If No, where is your facility's antimicrobial susceptibility testing performed? (check one)

- Affiliated medical center Commercial referral laboratory Other local/regional, non-affiliated reference laboratory

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Facility Microbiology Laboratory Practices (continued)

*10. Antifungal susceptibility testing is performed on fungal isolates in which of the following situations:

Candida albicans:

- Always Only when isolated from sterile sites (eg: blood, CSF, etc) Only when ordered by a clinician;
 Other (specify): _____

Candida glabrata:

- Always Only when isolated from sterile sites (eg: blood, CSF, etc) Only when ordered by a clinician;
 Other (specify): _____

All other *Candida* species:

- Always Only when isolated from sterile sites (eg: blood, CSF, etc) Only when ordered by a clinician;
 Other (specify)): _____

*11. What is the primary testing method for *C. difficile* used most often by your facility's laboratory or the outside laboratory where your facility's testing is performed? (check one)

- Enzyme immunoassay (EIA) for toxin
 Cell cytotoxicity neutralization assay
 Nucleic acid amplification test (NAAT) (e.g., PCR, LAMP)
 NAAT plus EIA, if NAAT positive (2-step algorithm)
 Glutamate dehydrogenase (GDH) antigen plus EIA for toxin (2-step algorithm)
 GDH plus NAAT (2-step algorithm)
 GDH plus EIA for toxin, followed by NAAT for discrepant results
 Toxigenic culture (*C. difficile* culture followed by detection of toxins)

Infection Control Practices

(completed with input from Hospital Epidemiologist and/or Quality Improvement Coordinator)

*12. Number or fraction of infection preventionists (IPs) in facility:

- a. Total hours per week performing surveillance: _____
 b. Total hours per week for infection control activities other than surveillance: _____

*13. Number or fraction of full-time employees (FTEs) for a designated hospital epidemiologist (or equivalent role) affiliated with your facility: _____

*14. Is it a policy in your facility that patients infected or colonized with MRSA are routinely placed in contact precautions while these patients are in your facility? (check one)

- Yes, all infected or colonized patients
- No
- Not applicable: my facility never admits these patients

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Infection Control Practices (continued)

If Yes, please check the type of patients that are routinely placed in contact precautions while I your facility (check one):

- All infected or colonized patients
- Only all infected patients
- Only infected or colonized patients with certain characteristics (check all that apply)
- Patients admitted to high risk settings
- Patients at high risk for transmission

*15. Is it a policy in your facility that patients infected or colonized with VRE are routinely placed in contact precautions while these patients are in your facility? (check one)

- Yes, all infected or colonized patients
- No
- Not applicable: my facility never admits these patients

If Yes, please check the type of patients that are routinely placed in contact precautions while I your facility (check one):

- All infected or colonized patients
- Only all infected patients
- Only infected or colonized patients with certain characteristics (check all that apply)
- Patients admitted to high risk settings
- Patients at high risk for transmission

*16. Is it a policy in your facility that patients infected or colonized with CRE (regardless of confirmatory testing for carbapenemase production) are routinely placed in contact precautions while these patients are in your facility? (check one)

- Yes, all infected or colonized patients
- No
- Not applicable: my facility never admits these patients

If Yes, please check the type of patients that are routinely placed in contact precautions while I your facility (check one):

- All infected or colonized patients
- Only all infected patients
- Only infected or colonized patients with certain characteristics (check all that apply)
- Patients admitted to high risk settings
- Patients at high risk for transmission

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Infection Control Practices (continued)

*17. Is it a policy in your facility that patients infected or colonized with suspected or confirmed ESBL-producing or extended spectrum cephalosporin resistant Enterobacteriaceae are routinely placed in contact precautions while these patients are in your facility? (check one)

- Yes, all infected or colonized patients
- No
- Not applicable: my facility never admits these patients

If Yes, please check the type of patients that are routinely placed in contact precautions while I your facility (check one):

- All infected or colonized patients
- Only all infected patients
- Only infected or colonized patients with certain characteristics (check all that apply)
- Patients admitted to high risk settings
- Patients at high risk for transmission

*18. Does the facility routinely perform screening testing (culture or non-culture) for CRE? Yes No

If Yes, in which situations does the facility routinely perform screening testing for CRE? (check all that apply)

- Surveillance testing at admission for all patients
- Surveillance testing of epidemiologically-linked patients of newly identified CRE patients (e.g., roommates)
- Surveillance testing at admission of high-risk patients (e.g., admitted from LTAC or LTCF)
- Surveillance testing at admission of patients admitted to high-risk settings (e.g. ICU)

*19. Does the facility routinely perform screening testing (culture or non-culture) for MRSA for any patients admitted to non-NICU settings? Yes No

If yes, in which situations does the facility routinely perform screening testing for MRSA for non-NICU settings? (check all that apply)

- Surveillance testing at admission for all patients
- Surveillance testing at admission of high-risk patients (e.g., admitted from LTAC or LTCF)
- Surveillance testing at admission of patients admitted to high-risk settings (e.g. ICU)
- Surveillance testing of pre-operative patients to prevent surgical site infections
- Other (please specify): _____

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Infection Control Practices (continued)

- *20. Does the facility routinely use chlorhexidine bathing on any patient to prevent infection or transmission of MDROs at your facility? (Note: this does not include the use of such bathing in pre-operative patients to prevent SSIs) Yes No
- *21. Does the facility routinely use a combination of topical chlorhexidine AND intranasal mupirocin (or equivalent agent) on any patients to prevent infection or transmission of MRSA at your facility? (Note: this does not include the use of these agents in pre-operative surgical patients or dialysis patients) Yes No

Antibiotic Stewardship Practices (completed with input from Physician and Pharmacist Stewardship Champions)

- *22. Our facility has a formal statement of support for antibiotic stewardship (e.g., a written policy or statement approved by the board). Yes No
- *23. Facility leadership has demonstrated a commitment to antibiotic stewardship efforts by: (Check all that apply.)
- Communicating to staff about stewardship activities, via email, newsletters, events, or other avenues.
 - Providing opportunities for staff training and development on antibiotic stewardship.
 - Allocating information technology resources to support antibiotic stewardship efforts.
 - None of the above
- *24. Our facility has a committee responsible for antibiotic stewardship. Yes No
- If Yes, membership in our facility's antibiotic stewardship committee includes: (Check all that apply.)
- Non-infectious diseases trained prescriber(s)
 - Infectious disease physician(s)
 - Pharmacist(s)
 - Nurse(s)
 - Infection preventionist(s)
 - Microbiologist(s)
 - Information technologist(s)
 - A patient representative
 - None of the Above
- *25. Our facility has a leader (or co-leaders) responsible for antibiotic stewardship outcomes. Yes No
- If Yes, what is the position of this leader? (Check one.)
- Physician
 - Pharmacist

- Co-led by both Pharmacist and Physician
 Other (please specify): _____

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Antibiotic Stewardship Practices (continued)

If Physician or Co-led is selected, which of the following describes your antibiotic stewardship **physician** leader? (Check all that apply.)

- Has antibiotic stewardship responsibilities in their contract or job description
 Is physically on-site in your facility (either part-time or full-time)
 Completed an ID fellowship
 Completed a certificate program or other coursework
 None of the above

If Pharmacist or Co-led is selected, which of the following describes your antibiotic stewardship **pharmacist** leader? (Check all that apply.)

- Has antibiotic stewardship responsibilities in their contract or job description
 Is physically on-site in your facility (either part-time or full-time)
 Completed a PGY2 ID residency and/or ID fellowship
 Completed a certificate program or other coursework
 None of the above

If Physician or Other, is there at least one pharmacist responsible for improving antibiotic use at your facility?

Yes No

*26. Our facility has a policy or formal procedure for: (Check all that apply.)

- Required documentation of indication for antibiotic orders.

If selected: Our stewardship team audits antibiotic orders to review appropriateness indications.

Yes No

- Required documentation of duration for antibiotic orders.

- The treating team to review antibiotics 48-72 hours after initial order (i.e., antibiotic time-out).

- The stewardship team to review courses of therapy for specific antibiotic agents and provide real-time feedback and recommendations to the treating team (i.e., prospective audit and feedback).

If selected: For which categories of antimicrobials? (Check all that apply.)

- Cefepime, ceftazidime, or piperacillin/tazobactam
 Ertapenem, imipenem/cilastatin, or meropenem
 Ceftazidime/avibactam, ceftolozane/tazobactam, meropenem/vaborbactam, or other recently FDA-approved beta-lactam/beta-lactamase inhibitors
 Colistin or polymyxin B
 Quinolones
 Vancomycin

- Daptomycin, linezolid, or other anti-MRSA agents
- Anidulafungin, caspofungin, or micafungin
- Isavuconazole, posaconazole, or voriconazole
- Amphotericin B and/or lipid-based amphotericin B
- None of the above

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Antibiotic Stewardship Practices (continued)

Required authorization by the stewardship team before restricted antibiotics on the formulary can be dispensed (i.e., prior authorization).

If selected: For which categories of antimicrobials? (Check all that apply.)

- Cefepime, ceftazidime, or piperacillin/tazobactam
- Ertapenem, imipenem/cilastatin, or meropenem
- Ceftazidime/avibactam, ceftolozane/tazobactam, meropenem/vaborbactam, or other recently FDA-approved beta-lactam/beta-lactamase inhibitors
- Colistin or polymyxin B
- Quinolones
- Vancomycin
- Daptomycin, linezolid, or other anti-MRSA agents
- Anidulafungin, caspofungin, or micafungin
- Isavuconazole, posaconazole, or voriconazole
- Amphotericin B and/or lipid-based amphotericin B
- None of the above

None of the above

*27. Providers have access to facility- or region-specific treatment guidelines or recommendations for commonly encountered infections. Yes No

If Yes: Our stewardship team monitors adherence to facility- or region-specific treatment guidelines or recommendations for commonly encountered infections. Yes No

*28. Our facility targets select diagnoses for active interventions to optimize antibiotic use (e.g., intervening on duration of therapy for patients with community-acquired pneumonia according to clinical response). Yes No

*29. Our stewardship team monitors: (Check all that apply.)

- Antibiotic resistance patterns (either facility- or region-specific)
- Clostridioides difficile*
- Antibiotic use in days of therapy (DOT) per 1000 patient days or days present, at least quarterly
- Antibiotic use in defined daily doses (DDD) per 1000 patient days, at least quarterly
- Antibiotic expenditures (i.e., purchasing costs), at least quarterly
- Antibiotic use in some other way (please specify): _____
- None of the above

If antibiotic use in DOT, DDD, or some other way is selected: Our stewardship team provides individual-, unit-, or service-specific reports on antibiotic use to prescribers, at least annually. Yes No

If Yes is selected: Our stewardship team uses individual-, unit-, or service-specific antibiotic use reports to target feedback to prescribers Yes No

about how they can improve their antibiotic prescribing, at least annually.

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Antibiotic Stewardship Practices (continued)

*30. Our stewardship team provides the following updates or reports, at least annually: (Check all that apply.)

- Updates to facility leadership on antibiotic use and stewardship efforts.
- Outcomes for antibiotic stewardship interventions to staff.
- None of the above

*31. Which of the following groups receive education on appropriate antibiotic use at least annually? (Check all that apply.)

- Prescribers
- Nursing staff
- Pharmacists
- None of the above

Optional Antibiotic Stewardship Practices Questions

Responses to the following questions are not required to complete the annual survey.

Please provide additional information about your facility's antibiotic stewardship activities and leadership.

32. Antibiotic stewardship activities are integrated into quality improvement and/or patient safety initiatives. Yes No

33. Our facility accesses targeted remote stewardship expertise (e.g., tele-stewardship) to obtain facility-specific support for our antibiotic stewardship efforts. Yes No

34. Our stewardship team works with the microbiology laboratory to inform cascade and/or selective reporting protocols for isolate susceptibilities. Yes No Not applicable, our facility does not use cascade and/or selective reporting

35. Our stewardship team monitors compliance with appropriate surgical prophylaxis. Yes No

36. If you selected 'Yes' to question 25 (your facility has a leader (or co-leaders) responsible for antibiotic stewardship outcomes): Which committees or leadership entities provide oversight of your facility's antibiotic stewardship efforts? (Check all that apply.)

- Pharmacy director
- Pharmacy & therapeutics
- Patient safety
- Quality improvement
- Executive leadership (e.g., CEO, CMO)
- Board of directors
- Other (please specify): _____
- None

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Optional Antibiotic Stewardship Practices (continued)

37. If you selected 'Physician' or 'Co-led...' (your facility's leader (or co-leader) responsible for antibiotic stewardship outcomes is a Physician): On average, what percent time does the **physician** (co) leader dedicate to antibiotic stewardship activities in your facility? (Check one.)

- 1-25%
- 26-50%
- 51-75%
- 76-100%

38. If you selected 'Pharmacist' or 'Co-led...' (your facility's leader (or co-leader) responsible for antibiotic stewardship outcomes is a Pharmacist): On average, what percent time does the **pharmacist** (co) leader dedicate to antibiotic stewardship activities in your facility? (Check one.)

- 1-25%
- 26-50%
- 51-75%
- 76-100%

39. If you selected that the physician (co) leader has antibiotic stewardship responsibilities in their contract or job description: What percent time for antibiotic stewardship activities is specified in the **physician** (co) leader's contract or job description? (Check one.)

- 1-25%
- 26-50%
- 51-75%
- 76-100%
- Not specified

40. If you selected that the pharmacist (co) leader has antibiotic stewardship responsibilities in their contract or job description: What percent time for antibiotic stewardship activities is specified in the **pharmacist** (co) leader's contract or job description? (Check one.)

- 26-50%
- 51-75%
- 76-100%
- Not specified

Facility Water Management Program (WMP)

(Optional section. Responses to the following questions are not required to complete the annual survey. Completed with input from WMP team members.)

41. Have you ever conducted a facility risk assessment to identify where *Legionella* and other opportunistic waterborne pathogens (e.g. *Pseudomonas*, *Acinetobacter*, *Burkholderia*, *Stenotrophomonas*, nontuberculous mycobacteria, and fungi) could grow and spread in the facility water system (e.g., piping infrastructure)? Yes No

If Yes, when was the most recent assessment conducted? (Check one)

- ≤ 1 year ago 1-3 years ago
- ≥ 3 years ago

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42. Does your facility have a water management program to prevent the growth and transmission of *Legionella* and other opportunistic waterborne pathogens?

Yes No

If Yes, who is represented on your facility WMP team? (Check all that apply)

Hospital Epidemiologist/ Infection Preventionist

Compliance/Safety Officer

Hospital Administrator/Leadership

Risk/Quality Management Staff

Facilities Manager/ Engineer

Infectious Disease Clinician

Maintenance Staff

Consultant

Environmental Services

Laboratory Staff

Equipment/Chemical Acquisition/Supplier

Other (please specify): _____

43. Do you regularly monitor the following parameters in your building's water system? (Check all that apply)

Disinfectant (such as residual chlorine):

Yes No

If Yes, do you have a plan for corrective actions when disinfectant (s) are not within acceptable limits as determined by your water management program?

Yes No

Temperature:

Yes No

If Yes, do you have a plan for corrective actions when temperatures are not within acceptable limits as determined by your water management program?

Yes No

Yes No

Heterotrophic plate counts:

If Yes, do you have a plan for corrective actions when heterotrophic plate counts are not within acceptable limits as determined by your water management program?

Yes No

Specific tests for *Legionella*:

Yes No

If Yes, do you have a plan for corrective actions when Specific tests for *Legionella* are not within acceptable limits as determined by your water management program?

Yes No