

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

*required for saving Facility ID:	Tracking #: *Survey Year:
Facility Characteristics (completed by Infection	
*Ownership (check one): □ For profit □ Not for profit, inc *Affiliation (check one):	ling church
□ Hospital System □ Indepen	nt
*Setting/classification: Free-standing," does your LTAC hose facilities or units (check all that apply)?	Within a hospital a share physical housing with one or more of the following on-site
□ No	Inpatient rehabilitation facility
□ Skilled nursing facility (SNF)/nursing home	□ Neuro-behavioral unit or facility
□ Residential facility (assisted living	□ Other (specify):
If classified as "Within a hospital," is your LTAC hos	al located:
In a building that does not provide acute care	vices (for example, psychiatric hospital?) \Box Yes \Box 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	ategories should equal total):
a. Intensive care unit (CIU) or critical care beds: b. High observation/special care/high acuity bed c. General LTAC beds: *Total number of LTAC beds (licensed capa	
*Number of single occupancy rooms: *Number of double occupancy rooms: *Number of triple occupancy rooms: Assurance of Confidentiality: The voluntarily provided information of	ed 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)). Public reporting burden of this collection of information is estimated to average 89 minutes per response, including the time for reviewing instructions, searching



*Number of quadruple occupancy rooms:

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

If helpful for your facility in identifying these conditions on admission, review a list of ICD-10 and DRG codes commonly associated with these conditions found here: <u>http://www.cdc.gov/nhsn/xls/DRGs-ICD-9s-NHSN-LTAC-Survey.xlsx</u>

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

Facility Microbiology Laborato	ry Practices (completed wit	th input from Mi	crobiology Laborato	ry Lead)	
*1. Does your facility have its susceptibility testing? 1a. If No. where is your fa	own on-site laboratory that p			□ Yes	□ No
□ Affiliated medical cent			 Other local/region reference laboratory 		iliated
*2. For the following organism (1) Primary susceptibility (2) Secondary, suppleme	testing and ntal, or confirmatory testing (i t perform susceptibility testing	e used for: if performed).		□ Yes side labora	□ No tory.
-	1) Primary	(2) Secondary	Comm	ents	
Enterobacterales					
Pseudomonas aeruginosa _			······		
Acinetobacter baumanni complex -			·····		
1 = Kirby-Bauer disk diffusion	4 = Sensititre	7 = Ag	ar dilution method		
2 = Vitek (Legacy)	5.1 = MicroScan WalkAway	y 10 = G	adient Dilution Strip	(for examp	le E test)
2.1 = Vitek 2	5.2 = MicroScan autoSCAN	l 13 = C	other (describe in Com	iments sec	tion)
3.1 = BD Phoenix	6 = Other broth microdilutio	n method			

*3. Does either the primary or secondary/supplemental antimicrobial susceptibility testing (AST) include the following (check all that apply):

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Drug		Organism tested:	A . in . i. h i h
	Enterobacterales	Pseudomonas aeruginosa	Acinetobacter baumanni
Cefiderocol			
Ceftazidime-Avibactam			
Ceftolozane-Tazobactam			
Colistin			
Delafloxacin			
Eravacycline			
Imipenem-Relebactam			
Meropenem-Vaborbactam			

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NATION SAF		HEALT NETW	SN HCARE YORK			Form Approved OMB No. 0920-0666 Exp. Date: 12/31/2026 www.cdc.gov/nhsr
Facili	ity N	licro	biology Laboratory Practices	(continued)		
*4.	На	s the	e laboratory implemented revised	d breakpoints recommended by	CLSI for the following:	
	a.		rd Generation Cephalosporin an	nd monobactam (that is, aztreor	am) breakpoints for	🗆 Yes 🗆 No
			erobacterales <u>in</u> 2010			
	b.		bapenem breakpoints for Enter	_		🗆 Yes 🗆 No
	C.		apenem breakpoints for <i>Enterob</i>	_		🗆 Yes 🗆 No
	d.	Car	bapenem breakpoints for Pseud	domonas aeruginosa <u>in</u> 2012		🗆 Yes 🗆 No
	e.	Flu	roquinolone breakpoints for <i>Pse</i>	udomonas aeruginosa <u>in</u> 2019		🗆 Yes 🗆 No
	f.	Flu	roquinolone breakpoints for Ente	erobacterales <u>in</u> 2019		🗆 Yes 🗆 No
*5.	not	t incl	ne laboratory test bacterial isolat ude automated testing instrume res, indicate what is done if carb	nt expert rules)		🗆 Yes 🗆 No
			Change susceptible carbapene	em results to resistant		
			Report carbapenem MIC result	s without an interpretation		
	5b.	□ . If Y	No changes are made in the in infection control practices es, which test is routinely perfor			iological or
			□ NAAT (for example, PCR)	□ MLB Screen	□ mCIM/CIM	
			Modified Hodge Test	□ Carba NP	🗆 CARBA 5	
			□ Rapid CARB Blue	🗆 Cepheid, BioFire, Verigene	, Genmark, etc	
			□ E test	□ Other (specify):		
	5c.	lf Y	es, which of the following are ro	utinely tested for the presence	of carbapenemases: (che	eck all that apply)
*6.	res	es yo sistar	<i>Enterobacterales</i> spp. our facility use commercial or lal nce markers in bacterial bloodstr FilmArray, Luminex Verigene, e	eam infections? Examples of c	oid molecular detection of	
			Yes			
	6a.		No [if checked, skip questions 7 es, which test panel(s) does you	-	oply)	
			Accelerate PhenoTest BC	BioFire FilmArray BCID	BioFire FilmArray	/ BCID II
			Cepheid Xpert MRSA/SA BC	□ GenMark ePlex BCID-GP	GenMark ePlex E	
			GenMark ePlex BCID-FP MALDI-TOF MS directly from p	Luminex Verigene BC-GP ositive blood culture (e.g., Seps	•	e BC-GN

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- □ MALDI-TOF MS based antimicrobial resistance detection
- □ T2Biosystems T2Bacteria □ T2Biosystems T2Candida □ T2Biosystems T2Resistance
- Other Commercial Test(s) (Leave Comment)
- Other Laboratory Developed Test(s) (Leave Comment) ______

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Facility Microbiology Laboratory Practices (continued)

*7. In a scenario where the *mecA* resistance marker and *Staphylococcus aureus* are detected by rapid molecular testing in a blood specimen, select the procedure(s) your facility conducts. (check one)

□ Our laboratory does not perform *mecA* testing using rapid molecular methods. [If checked, skip question 7a.]

□ Culture based phenotypic antimicrobial susceptibility testing is not performed. [If checked, skip question 7a.]

□ Culture based phenotypic antimicrobial susceptibility testing is performed. A text indicating results of the corresponding rapid molecular testing and/or the interpretation of the rapid molecular testing result is added to the phenotypic test result.

□ Culture based phenotypic antimicrobial susceptibility testing is performed. No text indicating corresponding rapid molecular testing and/or interpretation is added.

- 7a. If both rapid molecular and culture based phenotypic antimicrobial susceptibility testing are performed for a blood specimen to detect drug resistance in *Staphylococcus aureus*, and discordance is found between their results, how are results reported? (check one)
 - □ Further testing is not pursued. Results are reported separately.
 - □ Further testing is not pursued. The phenotypic result is overridden by the rapid molecular test result when an antimicrobial resistance marker is detected.
 - □ Further testing is performed to identify the reason for the discordance. Results are modified based on the further analysis.
- *8. In a scenario where the *bla_{CTX-M}* (CTX-M) resistance marker and *Escherichia coli* are detected by rapid molecular testing in a blood specimen, select the procedure(s) your facility conducts. (check one)

□ Our laboratory does not perform *bla_{CTX-M}* (CTX-M) testing using rapid molecular methods. [If checked, skip questions 8a]

□ Culture based phenotypic antimicrobial susceptibility testing is not performed. [If checked, skip question 8a.]

□ Culture based phenotypic antimicrobial susceptibility testing is performed. A text indicating results of the corresponding rapid molecular testing and/or the interpretation of the rapid molecular testing result is added to the phenotypic test result.

□ Culture based phenotypic antimicrobial susceptibility testing is performed. No text indicating corresponding rapid molecular testing and/or interpretation is added.

- 8a. If both rapid and culture based phenotypic antimicrobial susceptibility testing are performed for a blood specimen to detect drug resistance in *Escherichia coli* and discordance is found between their results, how are results reported? (check one)
 - □ Further testing is not pursued. Results are reported separately.

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- □ Further testing is not pursued. The phenotypic result is overridden by the rapid molecular test result when an antimicrobial resistance marker is detected.
- □ Further testing is performed to identify the reason for the discordance. Results are modified based on the further analysis.
- *9. Does your facility perform extended-spectrum beta-lactamase (ESBL) testing for *E. coli, Klebsiella pneumoniae, Klebsiella oxytoca,* or *Proteus mirabilis* routinely or using a testing algorithm?

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Facility Microbiology Laboratory Practices (continued)		
9a. If Yes, indicate what is done if ESBL is detected: (check o	ne)	
Change susceptible Cefotaxime/Ceftriaxone/Cefepime	e results to resistant	
No changes are made in the interpretation of cephalosporins with a note of ESBL		
Suppress cephalosporin susceptibility results		
*10. Where is yeast identification performed for specimens collected	ed at your facility? (check one)	
□ On-site laboratory		
Affiliated medical center		
Commercial referral laboratory		
Other local/regional, non-affiliated reference laboratory		
Yeast identification not available (specifically, yeast identific affiliate/commercial/other laboratory) [If checked, skip question		
Answer questions 11-15 for the laboratory that <u>perform</u> *11.Which of the following methods are used for yeast identification		
□ MALDI-TOF MS System (Vitek MS) □ MicroScan		
	ated Manual Kit (for example, API 20C, RapID, NA-FISH, etc.)	
□ Vitek-2 □ DNA seque	encing	
□ BD Phoenix □ Other (spe	cify):	
*12.Does the laboratory routinely use chromogenic agar for the ide	entification or differentiation of Candida isolates?	
□ Yes □ No □ Unknown		
*13. <i>Candida</i> isolated from which of the following body sites are us that apply)	ually fully identified to the species level? (check all	
\Box Blood \Box R	espiratory	
\Box Other normally sterile body site (for example, CSF) \Box O	ther (specify):	
□ Urine □ N	one are fully identified to the species level	
*14.Does the laboratory employ any molecular tests to identify Ca	ndida from blood specimens?	
□ Yes □ No □ Unknown		
14a. If yes, which molecular tests are used to identify <i>Canc</i>	<i>lida</i> from blood specimens? (check all that apply)	
T2Candida Panel		
GenMark ePlex BCID		
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□ Other, specify: ____

Unknown

If yes and you get a positive result, does this lab culture the blood to obtain an isolate? 14b.

- Yes, always
- Yes, with clinical order
- No
- Unknown

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Facility Microbiology Laboratory P	ractices (continued)			
*15.Where is antifungal susceptibil	ity testing (AFST) performe	ed for specimens col	lected at your facility	? (check one)
On-site laboratory	Other local/regional	Other local/regional, non-affiliated reference laboratory		
□ Affiliated medical center	AFST not available		•	
Commercial reference laboratory affiliate/commercial/other laboratory) [if selected, skip questions 16 -19]				
Answer questions 16-19 for the la *16.What method is used for antifu apply)	<u> </u>			eck all that
 Broth microdilution with laboratory developed plates 	□ YeastOne (Therm Sensititre™)	no Scientific™	□ Gradient diffusio	n (E test)
Vitek (bioMerieux)	\Box Other (specify): _		Unknown	
*17.What method is used for antifu	ngal susceptibility testing (AFST) of Amphote	ricin B ? (check all the	at apply)
 Broth microdilution with laboratory developed plates 	□ YeastOne (Therm Sensititre [™])	no Scientific™	□ Gradient diffusio	n (E test)
Vitek (bioMerieux)	□ Other (specify):			
*18.AFST is performed for which of the following antifungal drugs? (check all that apply)				
Fluconazole	🗆 Voriconazole	Э	Itraconazole	
Posaconazole	🗆 Micafungin		Anidulafungin	
🗆 Caspofungin	Amphoterici	n B	Flucytosine	
□ Other, specify:	Unknown			
*19.AFST is performed on fungal isolates in which of the following situations? (check all that apply)				
	Performed automatically	Performed with a clinician's order	Not performed	Unknown
Blood				
Other normally sterile body site (for example, CSF)				
Urine				
Respiratory				
Other (specify):				

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*20.Is this laboratory developing antibiograms or other reports to track susceptibility trends for *Candida* spp. isolates tested in this laboratory?

□ Yes

Unknown

- *21.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

□ No

- □ Cell cytotoxicity neutralization assay
- □ Nucleic acid amplification test (NAAT) (for example, PCR, LAMP)

Facility Microbiology Laboratory Practices (continued)

- □ 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)
- □ Other (specify):

*22.Indicate the primary and definitive method used to identify microbes from blood cultures collected in your facility. (check one)

- □ MALDI-TOF MS System (Vitek MS)
- □ MALDI-TOF MS System (Bruker Biotyper)
- □ Automated Instrument (for example, Vitek, MicroScan, Phoenix, OmniLog, Sherlock, etc.)
- □ Non-automated Manual Kit (for example, API, Crystal, RapID, etc.)
- □ Rapid Identification (for example, Verigene, BioFire FilmArray, PNA-FISH, Gene Xpert, etc.)
- □ 16S rRNA Sequencing
- Other (specify): ______
- □ None

*23.Indicate any additional secondary methods used for microbe identification from blood cultures collected in your facility (for example, a rapid method that is confirmed with the primary methods, a secondary method if the primary method fails to give an identification, or a method that is used in conjunction with the primary method). (check all that apply)

- □ MALDI-TOF MS System (Vitek MS)
- □ MALDI-TOF MS System (Bruker Biotyper)
- □ Automated Instrument (for example, Vitek, MicroScan, Phoenix, OmniLog, Sherlock, etc.)
- □ Non-automated Manual Kit (for example, API, Crystal, RapID, etc.)
- □ Rapid Identification (for example, Verigene, BioFire FilmArray, PNA-FISH, Gene Xpert, etc.)
- □ 16S rRNA Sequencing
- Other (specify): _____

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□ None

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

*24.Number or faction 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:
- *25.Number or fraction of full-time employees (FTEs) for a designated hospital epidemiologist (or equivalent role) affiliated with your facility:
- *26.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

🗆 No

□ Not applicable: my facility never admits these patients

Infection Control Practices (continued)

- 26a. If Yes, check the type of patients that are routinely placed in contact precautions while in your facility (check one):
 - □ All infected and all 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
- *27.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 □ No □ Not applicable: my facility never admits these patients
 - 27a. If Yes, check the type of patients that are routinely place in contact precautions while in your facility (check one):
 - □ All infected and all 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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- *28.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 □ No □ Not applicable: my facility never admits these patients
 - 28a. If Yes, check the type of patients that are routinely placed in contact precautions while in your facility (check one):
 - $\hfill\square$ All infected and all 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
- *29.Is it a policy in your facility that patients infected or colonized with suspected or confirmed ESBL-producing or extended spectrum cephalosporin resistant *Enterobacterales* are routinely placed in contact precautions while these patients are in your facility? (check one)

□ Yes □ No □ Not applicable: my facility never admits these patients

- 29a. If Yes, check the type of patients that are routinely placed in contact precautions while in your facility (check one):
 - $\hfill\square$ All infected and all colonized patients
 - \Box Only all infected patients
 - □ Only infected or colonized patients with certain characteristics (check all that apply)
 - Patients admitted to high risk settings
 - $\hfill\square$ Patients at high risk for transmission

Infection Control Practices (continued)

*30.Does the facility routinely perform screening testing (culture or non-culture) for CRE? This includes screening for patients at your facility performed by public health laboratories and commercial laboratories.

🗆 Yes 🛛 No

- 30a. 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 (for example, roommates)
 - □ Surveillance testing at admission of high-risk patients (check all that apply)
 - □ Patients admitted form long-term acute care (LTAC) or long-term care facility (LTCF)

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- □ Patients with recent (for example, within 6 months) overnight hospital stay outside the United States
- □ Patients admitted to high-risk settings (for example, ICU)
- □ Other high-risk patients (specify): _
- □ Surveillance testing of all patients in the facility or in a specific high-risk settings (for example, ICU) at prespecified intervals (for example, weekly point prevalence survey)
- □ Other (specify):
- 30b. If Yes, what method is routinely used by the lab conducting CRE testing of screening swabs from your facility? (check all that apply)
 - □ Culture-based methods □ PCR □ Other (specify): ___

*31.Does the facility routinely perform screening testing (culture or non-culture) for *Candida auris*? This includes screening for patients at your facility performed by public health laboratories and commercial laboratories.

🗆 Yes 🗆 No

- 31a. If Yes, in which situations does the facility routinely perform screening testing for *Candida auris*? (check all that apply)
 - □ Surveillance testing at admission for all patients
 - □ Surveillance testing of epidemiologically-linked patients of newly identified *Candida auris* patients (for example, point prevalence surveys in response to a case, patients in the same room or unit as a case)
 - □ Surveillance testing at admission of high-risk patients (check all that apply)
 - □ Patients admitted form long-term acute care (LTAC) or long-term care facility (LTCF)
 - □ Patients with recent (for example, within 6 months) overnight hospital stay outside the United States
 - □ Patients admitted to high-risk settings (for example, ICU)
 - □ Other high-risk patients (specify): ___
 - □ Surveillance testing of all patients in the facility or in a specific high-risk setting (for example, ICU) at prespecified intervals (for example, weekly point prevalence survey)
 - □ Other (specify):
- 31b. If Yes, what method is routinely used by the lab conducting *Candida auris* testing of screening swabs from your facility?
 - □ Culture-based methods □ PCR □ Other (specify): _
- *32.Does the facility routinely perform screening testing (culture or non-culture for MRSA for any patients admitted?

□ Yes □ No

Infection Control Practices (continued)

32a. If Yes, in which situations does the facility routinely perform screening testing for MRSA? (check all that apply)

□ Surveillance testing at admission for all patients

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□ Yes □ No

- Surveillance testing at admission of high-risk patients (for example, admitted from long-term acute care [LTAC] or long-term care facility [LTCF], or dialysis patients)
- □ Surveillance testing at admission of patients admitted to high-risk settings (for example, ICU)
- □ Surveillance testing of pre-operative patients to prevent surgical site infections
- □ Other (specify):
- *33.Does your facility have a policy to routinely use chlorhexidine bathing for any adult patients to prevent infection or transmission of MDROs at your facility?

33a. If Yes, indicate which patients: (select all that apply) □ Pre-operatively for \Box ICU patients: \Box Patients outside the ICU: patients undergoing ○ All ICU patients ○ All ICU patients surgery ○ Subset of ICU patients: ○ Subset of ICU patients: □ Patients with central venous □ Patients with central venous catheter or midline catheters catheter or midline catheters □ Other, specify: Other, specify: _____

*34.Does the facility have a policy to routinely use a combination of topical chlorhexidine <u>AND</u> an intranasal antistaphylococcal agent (mupirocin, iodophor, or an alcohol based intranasal agent) for any adult patients to prevent healthcare-associated infections or reduce transmission of resistant pathogens?

🗆 Yes 🗆 No

|--|

*35.Did the antibiotic stewardship leader(s) participate in responding to these questions? (check one)
 □ Yes, pharmacist lead
 □ Yes, both pharmacist and physician leads
 □ Yes, other lead
 □ No

*36.Facility leadership has demonstrated commitment to antibiotic stewardship efforts by: (check all that apply) □ Providing stewardship program leader(s) dedicated time to manage the program and conduct daily stewardship interventions.

□ Allocating resources (for example, IT support, training for stewardship team) to support antibiotic stewardship efforts.

□ Having a senior executive that serves as a point of contact or "champion" to help ensure the program has resources and support to accomplish its mission.

□ Presenting information on stewardship activities and outcomes to facility leadership and/or board at least annually.

□ Ensuring the stewardship program has an opportunity to discuss resource needs with facility leadership and/or board at least annually.

□ Communicating to staff about stewardship activities, via email, newsletters, events, or other avenues.

□ Providing opportunities for hospital staff training and development on antibiotic stewardship.

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□ Providing a formal statement of support for antibiotic stewardship (for example, a written policy or statement approved by the board).

□ Ensuring that staff from key support departments and groups (for example, IT and hospital medicine) are contributing to stewardship activities.

 \Box None of the above.

Antibiotic Stewardship Practices (continued)

*37.Our facility has a leader or co-leaders responsible for antibiotic stewardship program management and outcomes.

□ Yes □ No

37a. If Yes, what is the position of this leader? (check one)

Physician
Co-led by both Pharmacist and Physician

- □ Pharmacist □ Other (for example, RN, PA, NP, etc.; specify):
- 37b. 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 or performance review
 - □ Is physically on-site in your facility (either part-time or full-time)
 - □ Completed an ID fellowship
 - □ Completed a certificate program on antibiotic stewardship
 - □ Completed other training(s) (for example, conferences or online modules) on antibiotic stewardship
 - \Box None of the above.

37c. If 'Has antibiotic stewardship responsibilities in their contract or job description' is selected (for physician (co) leader): What percentage of time for antibiotic stewardship activities is specified in the **physician** (co)

leader's contract or job description? (check one)

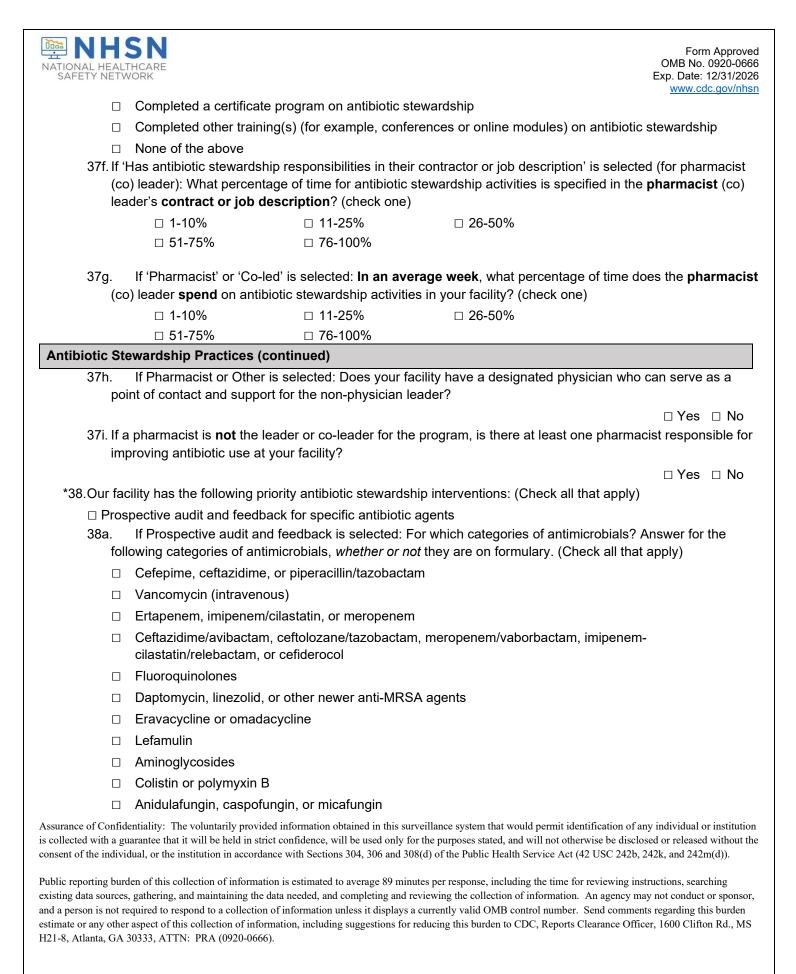
□ 1-10%	□ 11-25%	□ 26-50%
□ 51-75%	□ 76-100%	Not specified

37d. If Physician or Co-led is selected: **In an average week**, what percentage of time does the **physician** (co) leader **spend** on antibiotic stewardship activities in your facility? (check one)

□ 1-10%	□ 11-25%	□ 26-50%
□ 51-75%	□ 76-100%	

- 37e. 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, job description or performance review
 - □ Is physically on-site in your facility (either part-time or full-time)
 - □ Completed a PGY2 ID residency and/or ID fellowship

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- □ Isavuconazole, posaconazole, or voriconazole
- □ Amphotericin B and/or lipid-based amphotericin B
- \Box None of the above
- 38b. If Prospective audit and feedback is selected: Our antibiotic stewardship program monitors prospective audit and feedback interventions (for example, by tracking antibiotic use, types of interventions, acceptance of recommendations).

🗆 Yes 🗆 No

□ Preauthorization for specific antibiotic agents.

38c. If Preauthorization is selected: For which categories of antimicrobials? Only answer for categories of antimicrobials that are *on formulary*. (Check all that apply)

- □ Cefepime, ceftazidime, or piperacillin/tazobactam
- □ Vancomycin (intravenous)
- □ Ertapenem, imipenem/cilastatin, or meropenem
- □ Ceftazidime/avibactam, ceftolozane/tazobactam, meropenem/vaborbactam, imipenemcilastatin/relebactam, or cefiderocol
- □ Fluoroquinolones
- Daptomycin, linezolid, or other newer anti-MRSA agents
- □ Eravacycline or omadacycline
- Lefamulin

Antibiotic Stewardship Practices (continued)

- □ Aminoglycosides
- □ Colistin or polymyxin B
- □ Anidulafungin, caspofungin, or micafungin
- □ Isavuconazole, posaconazole, or voriconazole
- □ Amphotericin B and/or lipid-based amphotericin B
- □ None of the above
- 38d. If Preauthorization is selected: Our antibiotic stewardship program monitors preauthorization interventions (for example, by tracking which agents are requested for which conditions).

🗆 Yes 🗆 No

- □ Facility-specific treatment recommendations, based on national guidelines and local pathogens susceptibilities, to assist with antibiotic selections for common clinical conditions (for example, community-acquired pneumonia, urinary tract infection, skin and soft tissue infection).
- 38e. If Facility-specific treatment recommendations is selected: For which common clinical conditions?
 - □ Community-acquired pneumonia
 - □ Urinary tract infection

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- □ Skin and soft tissue infection
- □ None of the above

SAFETY NETWORK

38f. If Facility-specific treatment recommendations is selected: Our stewardship program monitors adherence to our facility's treatment recommendations for antibiotic selection for common clinical conditions (for example, community-acquired pneumonia, urinary tract infection, skin and soft infections).

 \Box Yes \Box No

- 38g. If Yes: For which common clinical conditions?
 - □ Community-acquired pneumonia
 - □ Urinary tract infection
 - □ Skin and soft tissue infection
 - □ None of the above

*39.Our facility has a policy or formal procedure for other interventions to ensure optimal use of antibiotics: (Check all that apply.)

- Early administration of effective antibiotics to optimize the treatment of sepsis
- □ Treatment protocols for *Staphylococcus aureus* bloodstream infection
- □ Stopping unnecessary antibiotic(s) in new cases of *Clostridioides difficile* infection (CDI)
- □ Review of culture-proven invasive (for example, bloodstream) infections
- □ Review of planned outpatient parenteral antibiotic therapy (OPAT)
- □ The treating team to review antibiotics 48-72 hours after initial order (specifically, antibiotic time-out)
- □ Assess and clarify documented penicillin allergy
- □ Using the shortest effective duration of antibiotics at discharge for common clinical conditions (for example, community-acquired pneumonia, urinary tract infection, skin and soft tissue infections)

□ None of the above

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Antibiotic Stewardship Practices (continued)

39a. If 'Using the shortest effective duration of antibiotics at discharge for common clinical conditions' is selected: Our stewardship program monitors adherence in using the shortest effective duration of antibiotics at discharge for common clinical conditions (for example, community-acquired pneumonia, urinary tract infections, skin and soft tissue infections), at least annually.

□ Yes □ No

*40.Our facility has in place the following specific 'pharmacy-based' interventions: (Check all that apply)

□ Pharmacy-driven changes from intravenous to oral antibiotics without a physician's order (for example, hospitalapproved protocol)

□ Alerts to providers about potentially duplicative antibiotic spectra (for example, multiple antibiotics to treat anaerobes)

- □ Automatic antibiotic stop orders in specific situations (for example, surgical prophylaxis)
- $\hfill\square$ None of the above

*41.Our stewardship program has engaged bedside nurses in actions to optimize antibiotic use.

 \Box Yes \Box No

- 41a. If Yes is selected: our facility has in place the following specific 'nursing-based' interventions: (Check all that apply.)
 - □ Nurses receive training on appropriate criteria for sending urine and/or respiratory cultures.
 - □ Nurses initiate discussions with the treating team on switching from intravenous to oral antibiotics.
 - □ Nurses initiate antibiotic time-out discussions with the treating team.
 - □ Nurses track antibiotic duration of therapy.
 - \Box None of the above.
- 41b. If 'Nurses track antibiotic duration of therapy' is selected: Is that information available at the bedside (for example, on a whiteboard in the room)?

 \Box Yes \Box No

- *42.Our stewardship program monitors: (Check all that apply.)
 - □ Antibiotic resistance patterns (either facility- or region-specific), at least annually
 - Clostridioides difficile infections (or C. difficile LabID events), at least annually
 - □ 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 (specifically, purchasing costs), at least quarterly
 - □ Antibiotic use in some other way, at least annually (specify): _____
 - \Box None of the above
- *43.Our stewardship team provides the following antibiotic use reports to prescribers, at least annually: (Check all that apply.)

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- □ Individual, prescriber-level reports
- □ Unit- or service-specific reports
- □ None of the above
 - 43a. If 'Individual, prescriber-level reports' or 'Unit-or service-specific reports' is selected: Our stewardship program uses these reports to target feedback to prescribers about how they can improve their antibiotic prescribing, at least annually.

□ Yes □ No

Antibiotic Stewardship Practices (continued)

*44.Our facility distributes an antibiogram to prescribers, at least annually.

*45.Information on antibiotic use, antibiotic resistance, and stewardship efforts is reported to hospital staff, at least annually.

□ Yes □ No

 \square Yes \square No

*46.Which of the following groups receive education on optimal prescribing, adverse reactions from antibiotics, an antibiotic resistance (for example, Grand Rounds, in-service training, direct instruction) at least annually? (Check all that apply.)

 \Box Prescribers

- □ Nursing staff
- □ Pharmacists
- \Box None of the above
- *47. Are patients provided education on important side effects of prescribed antibiotics?

🗆 Yes 🗆 No

47a. If 'Yes' is selected: How is education to patients on side effects shared? (Check all that apply.)

- □ Discharge paperwork
- □ Verbally by nurse
- □ Verbally by pharmacist
- □ Verbally by physician
- $\hfill\square$ None of the above

Optional Antibiotic Stewardship Practices Questions Response to the following questions are not required to complete the annual survey. Provide additional information about your facility antibiotic stewardship activities and leadership.

48. Antibiotic stewardship activities are integrated into quality improvement and/or patient safety initiatives.

🗆 Yes 🗆 No

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49. Our facility accesses targeted remote stewardship expertise (for example, tele-stewardship to obtain facilityspecific support for our antibiotic stewardship efforts).

□ Yes □ No

- 50. Our stewardship program works with the microbiology laboratory to implement the following interventions: (Check all that apply)
 - □ Selective reporting of antimicrobial susceptibility testing results
 - □ Placing comments in microbiology reports to improve prescribing
 - □ None of the above
- 51. Which committees or leadership entities provide oversight of your facility's antibiotic stewardship efforts? (Check all that apply)
 - □ Pharmacy director □ Executive leadership (for example, CEO, CMO)
 - □ Pharmacy & therapeutics □ Hospital board
 - □ Patient safety □ Other (specify): _____
 - □ Quality improvement □ None

Facility Water Management Program (WMP) (Completed with input from WMP team members)

*52.Does your facility have a water management program (WMP) to prevent the growth and transmission of *Legionella* and other opportunistic waterborne pathogens (for example, *Pseudomoas, Acinetobacter, Burkholderia, Stenotrophomonas,* nontuberculous mycobacteria, and fungi)?

 \Box Yes \Box No

52a.	If Yes, who is represented on your facility W	MP team? (Check all that apply):
🗆 Hospi	tal Epidemiologist/Infection Preventionist	Compliance/Safety Officer
🗆 Hospi	tal Administrator/Leadership	□ Risk/Quality Management Staff

□ Other (specifiy):

- Consultant
- Laboratory Staff/Leadership

□ Environmental Services

□ Maintenance Staff

□ Facilities Manager/Engineer

□ Equipment/Chemical Acquistion/Supplier

*53.Has your facility ever conducted an environmental assessment to identify where *Legionella* and other opportunistic waterborne pathogens for example could grow and spread in the facility water system (for example, piping infrastructure)? This may include a description of building water systems using text or basic diagrams that map all water supply sources, treatment systems, processing steps, control measures, and end-use points.

🗆 Yes 🗆 No

53a. If Yes, when was the most recent assessment conducted? (Check one)

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□ Yes □ No

Within the most recent year	Between 1 and 3 years ago
(<1 year ago)	(<u>></u> 1 year and <u><</u> 3 years)

□ More than 3 years ago (>3 years)

*54.Has your facility has ever conducted a water infection control risk assessment (WICRA) to evaluate water sources, modes of transmission, patient susceptibility, patient exposure, and/or program preparedness? An example WICRA tool can be assessed at https://www.cdc.gov/hai/pdfs/prevent/water-assessment-tool-508.pdf.

 54a.
 If Yes, when was the most recent assessment conducted? (Check one)

 □ Within the most recent year
 □ Between 1 and 3 years ago
 □ More than 3 years ago (>3

 (<1 year ago)</td>
 (≥1 year and ≤3 years)
 years)

*55. Does your facility regularly monitor the following parameters in the building water system(s)?

 Disinfectant (such as residual chlorine):

 □ Yes
 □ Yes
 □ No

 55a.
 If Yes, does your facility have a plan for corrective actions when disinfectant(s) are not within acceptable
 limits as determined by the water management program?
 □ Yes
 □ Yes
 □ No

55b. If Yes, where and how frequently does your facility monitor disinfectant(s)? (Check all that apply)

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Facility Water Management Program (WMP) (continued)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

Water temperature:

🗆 No

□ Yes

55c. If Yes, does your facility have a plan for corrective actions when water temperatures are not within acceptable limits as determined by the water management program? □ Yes □ No

55d. If Yes, where and how frequently does your facility monitor water temperature? (check all that apply)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

Water pH:

□ Yes □ No

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□ Yes

55e. If Yes, does your facility have a plan for corrective actions when water pH is not within acceptable limits

as determined by the water management program?

🗆 No

55f. If Yes, where and how frequently does your facility monitor water pH? (check all that apply)

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Facility Water Management Program (WMP) (continued)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

Heterotrophic plate count (HPC) testing:

□ Yes □ No

55g. If Yes, does your facility have a plan for corrective actions when heterotrophic plate counts are not within acceptable limits as determined by the water management program?

55h. If Yes, where and how frequently does your facility perform HPC testing? (check all that apply)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

Specific environmental Legionella testing:

□ Yes □ No

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□ No

55i. If Yes, does your facility have a plan for corrective actions when environmental tests for Legionella are not

within acceptable limits as determined by the water management program? \Box Yes

55j. If Yes, where an how frequently does your facility perform Legionella testing? (check all that apply)

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Facility Water Management Program (WMP) (continued)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

Specific environmental Pseudomonas testing:

□ Yes □ No

55k. If Yes, does your facility have a plan for corrective actions when environmental tests for *Pseudomonas* are not within acceptable limits as determined by the water management program?

55I. If Yes, where an how frequently does your facility perform *Pseudomonas* testing? (check all that apply)

	Entry Points	Cold Potable Water Storage Tank(s)	Hot Potable Water Storage Tank(s)	Hot Water Supply	Hot Water Return	Representative Locations Throughout Cold Potable Building Water System(s)	Representative Locations Throughout Hot Potable Building Water System(s)	Other (specify):
Daily								
Weekly								
Monthly								
Quarterly								
Annually								
Other (specify):								

*56.Does your facility water management program address measures to prevent transmission of pathogens from wastewater premise plumbing to patients?

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□ Yes

🗆 No

□ N/A, my facility does not have a water management program

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