NHSN
NATIONAL HEALTHCARE
SAFETY NETWORK

Form Approved
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www.cdc.gov/nhsn

Ventilator-Associated Event (VAE)

Facility ID:	Event #:
*Patient ID:	Social Security #:
Secondary ID:	Medicare #:
Patient Name, Last:	First: Middle:
*Gender: F M Other	*Date of Birth:
Sex at Birth: F M Unknown	Gender Identity (Specify):
Ethnicity (Specify):	Race (Specify):
*Event Type: VAE	*Date of Event:
Post-procedure VAE: Yes No	Date of Procedure:
NHSN Procedure Code:	ICD-10-PCS or CPT Procedure Code:

MDRO Infection Surveillance:

☐ Yes, this infection's pathogen & location are in-plan for Infection Surveillance in the MDRO/CDI Module

☐ No, this infection's pathogen & location are **not** in-plan for Infection Surveillance in the MDRO/CDI Module

*Date Admitted to Facility:	*Location:

* Location of Mechanical Ventilation Initiation: _____   *Date Initiated: __ /__ /_____   APRV: Yes   No

Event Details

*Specific Event: ☐ VAC ☐ IVAC ☐ PVAP

*Specify Criteria Used:

STEP 1: VAC (≥1 REQUIRED)

☐ Daily min FiO_2 increase ≥ 0.20 (20 points) for ≥ 2 days[†]   **OR**   ☐ Daily min PEEP increase ≥ 3 cm H_2O for ≥ 2 days[†]
[†]*after 2+ days of stable or decreasing daily minimum values.*

STEP 2: IVAC

☐ Temperature > 38°C or < 36° **OR** ☐ White blood cell count ≥ 12,000 or ≤ 4,000 cells/mm^3
AND
☐ A new antimicrobial agent(s) is started, and is continued for ≥ 4 days

STEP 3: PVAP

☐ Criterion #1: Positive culture of one of the following specimens, meeting quantitative or semi-quantitative thresholds as outlined in protocol,[‡] underline without requirement for purulent respiratory secretions:

     ☐ Endotracheal aspirate   ☐ Lung tissue
     ☐ Bronchoalveolar lavage   ☐ Protected specimen brush

OR

☐ Criterion #2: Purulent respiratory secretions[‡] (defined in the protocol) plus organism(s) identified from one of the following specimens:[‡]

     ☐ Sputum   ☐ Lung tissue
     ☐ Endotracheal aspirate   ☐ Protected specimen brush
     ☐ Bronchoalveolar lavage

OR

☐ Criterion #3: One of the following positive tests (as outlined in the protocol):[‡]

     ☐ Organism(s) identified from pleural fluid   ☐ Diagnostic test for *Legionella* species
     ☐ Lung histopathology   ☐ Diagnostic test for selected viral pathogens

[‡]*collected after 2 days of mechanical ventilation and within +/- 2 days of onset of increase in FiO_2 or PEEP.*

*Secondary Bloodstream Infection: Yes No	*COVID-19: Yes No
**Died: Yes No	VAE Contributed to Death: Yes No
Discharge Date:	*Pathogens Identified: Yes No *If Yes, specify on pages 2-3

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Pathogen #	Gram-positive Organisms
	Staphylococcus coagulase-negative (specify species if available):	**CEFOX/OX** S R N **VANC** S I R N

Staphylococcus coagulase-negative (specify species if available):
- CEFOX/OX — S R N
- VANC — S I R N

____Enterococcus faecium
____Enterococcus faecalis
____Enterococcus spp. (Only those not identified to the species level)

DAPTO	GENTHL§	LNZ	VANC
S I/S-DD NS R N	S R N	S I R N	S I R N

Staphylococcus aureus

CEFOX/METH/OX	CEFTAR	CIPRO/LEVO/MOXI	CLIND	DAPTO	DOXY/MINO	GENT
S R N	S S-DD I R N	S I R N	S I R N	S NS N	S I R N	S I R N

LNZ	RIF	TETRA	TMZ	VANC
S R N	S I R N	S I R N	S I R N	S I R N

Pathogen #	Gram-negative Organisms

Acinetobacter (specify species) _____

AMK	AMPSUL	CEFEP	CEFTAZ/CEFOT/CEFTRX	CIPRO/LEVO	COL/PB	DORI/MERO
S I R N	S I R N	S I R N	S I R N	S I R N	S R N	S I R N

DOXY/MINO	GENT	IMI	PIPTAZ	TMZ	TOBRA
S I R N	S I R N	S I R N	S I R N	S I R N	S I R N

Escherichia coli

AMK	AMP	AMPSUL/AMXCLV	AZT	CEFAZ	CEFEP	CEFOT/CEFTRX
S I R N	S I R N	S I R N	S I R N	S I R N	S I/S-DD R N	S I R N

CEFTAVI	CEFTAZ	CEFTOTAZ	CIPRO/LEVO/MOXI	COL/PB†	DORI/IMI/MERO	DOXY/MINO/TETRA
S R N	S I R N	S I R N	S I R N	I R N	S I R N	S I R N

ERTA	GENT	IMIREL	MERVAB	PIPTAZ	TIG	TMZ
S I R N	S I R N	S I R N	S I R N	S I R N	S I R N	S I R N

TOBRA
S I R N

Enterobacter (specify species) _____

AMK	AZT	CEFEP	CEFOT/CEFTRX	CEFTAVI	CEFTAZ	CEFTOTAZ
S I R N	S I R N	S I/S-DD R N	S I R N	S R N	S I R N	S I R N

CIPRO/LEVO/MOXI	COL/PB†	DORI/IMI/MERO	DOXY/MINO/TETRA	ERTA	GENT	IMIREL
S I R N	I R N	S I R N	S I R N	S I R N	S I R N	S I R N

MERVAB	PIPTAZ	TIG	TMZ	TOBRA
S I R N	S I R N	S I R N	S I R N	S I R N

____Klebsiella pneumoniae
____Klebsiella oxytoca
____Klebsiella aerogenes

AMK	AMPSUL/AMXCLV	AZT	CEFAZ	CEFEP	CEFOT/CEFTRX	CEFTAVI
S I R N	S I R N	S I R N	S I R N	S I/S-DD R N	S I R N	S R N

CEFTAZ	CEFTOTAZ	CIPRO/LEVO/MOXI	COL/PB†	DORI/IMI/MERO	DOXY/MINO/TETRA	ERTA
S I R N	S I R N	S I R N	I R N	S I R N	S I R N	S I R N

GENT	IMIREL	MERVAB	PIPTAZ	TIG	TMZ	TOBRA
S I R N	S I R N	S I R N	S I R N	S I R N	S I R N	S I R N

Pseudomonas aeruginosa

AMK	AZT	CEFEP	CEFTAVI	CEFTAZ	CEFTOTAZ	CIPRO/LEVO
S I R N	S I R N	S I R N	S R N	S I R N	S I R N	S I R N

COL/PB	DORI/IMI/MERO	GENT	PIPTAZ	TOBRA
S I R N	S I R N	S I R N	S I R N	S I R N

Pathogen #	Fungal Organisms

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		ANID S I R N	CASPO S I R N	FLUCO S S-DD R N	MICA S I R N	VORI S I R N			
	Candida (specify species if available) _____								
Pathogen #	Other Organisms								
	Organism 1 (specify) _____	**Drug 1** S I R N	**Drug2** S I R N	**Drug3** S I R N	**Drug 4** S I R N	Drug 5 S I R N	Drug 6 S I R N	Drug 7 S I R N	Drug 8 S I R N	Drug 9 S I R N
	Organism 1 (specify) _____	**Drug 1** S I R N	**Drug2** S I R N	**Drug3** S I R N	**Drug 4** S I R N	Drug 5 S I R N	Drug 6 S I R N	Drug 7 S I R N	Drug 8 S I R N	Drug 9 S I R N
	Organism 1 (specify) _____	**Drug 1** S I R N	**Drug2** S I R N	**Drug3** S I R N	**Drug 4** S I R N	Drug 5 S I R N	Drug 6 S I R N	Drug 7 S I R N	Drug 8 S I R N	Drug 9 S I R N

Result Codes

S = Susceptible   I = Intermediate   R = Resistant   NS = Non-susceptible   S-DD = Susceptible-dose dependent
N = Not tested
§ GENTHL results: S = Susceptible/Synergistic and R = Resistant/Not Synergistic
† Clinical breakpoints are based on CLSI M100-ED30:2020, Intermediate MIC ≤ 2 and Resistant MIC ≥ 4

Drug Codes:			
AMK = amikacin	CEFTAR = ceftaroline	GENT = gentamicin	OX = oxacillin
AMP = ampicillin	CEFTAVI = ceftazidime/avibactam	GENTHL = gentamicin –high level test	PB = polymyxin B
AMPSUL = ampicillin/sulbactam	CEFTOTAZ = ceftolozane/tazobactam	IMI = imipenem	PIPTAZ = piperacillin/tazobactam
AMXCLV = amoxicillin/clavulanic acid	CEFTRX = ceftriaxone	IMIREL = imipenem/relebactam	RIF = rifampin
ANID = anidulafungin	CIPRO = ciprofloxacin	LEVO = levofloxacin	TETRA = tetracycline
AZT = aztreonam	CLIND = clindamycin	LNZ = linezolid	TIG = tigecycline
CASPO = caspofungin	COL = colistin	MERO = meropenem	TMZ = trimethoprim/sulfamethoxazole
CEFAZ= cefazolin	DAPTO = daptomycin	MERVAB = meropenem/vaborbactam	TOBRA = tobramycin
CEFEP = cefepime	DORI = doripenem	METH = methicillin	VANC = vancomycin
CEFOT = cefotaxime	DOXY = doxycycline	MICA = micafungin	VORI = voriconazole
CEFOX= cefoxitin	ERTA = ertapenem	MINO = minocycline	
CEFTAZ = ceftazidime	FLUCO = fluconazole	MOXI = moxifloxacin	

Ventilator-Associated Event (VAE)

Custom Fields

Label

_____   ____/____/____
_____   _____
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Label

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Comments