

Nursing Home Antibigram 2019

Includes nursing home isolates reported by WellSpan Health from Adams, Lancaster, Lebanon, and York Counties
Jan - Dec 2019 Antibigrams prepared by members of the Departments of Microbiology and Pharmacy

Name	Gram Negative							Gram Positive			
	Citrobacter freundii complex	Enterobacter cloacae complex	Escherichia coli	Klebsiella pneumoniae	Morganella morganii	Proteus mirabilis	Pseudomonas aeruginosa	Enterococcus faecalis	Enterococcus faecium	Staph aureus, Methicillin RESISTANT	Staph aureus, Methicillin SUSCEPTIBLE
(%) Susceptibility Color Key: Green: ≥85% Yellow: 70-84% Red: <70% Based on CLSI recommendations only organisms with at least 30 isolates are reported. Susceptibility for additional organisms can be obtained from the Microbiology Department.											
Isolates	34	42	701	204	43	274	120	227	33	69	45
Amikacin	100	100	99	100	100	99	99				
Amox/Clav			84	94		97					100
Ampicillin			56			62		99	27		
AMP/SBM			64	84	9	85					100
Aztreonam	60	42	89	93	84	93	88				
Cefazolin			73	88		74					100
Cefepime	88	80	82	86	93	89	97				100
Cefotaxime	73	64	86	94	93	95					100
Cefotetan			99	100	92	99					
Cefoxitin			92	91	81	95					
Ceftriaxone	73	64	86	94	88	96					100
Ceftazidime	73	64	87	94	83	97	100				
Cefuroxime			82	87		96					
Ciprofloxacin	97	97	65	91	65	29	87	56	12	5	53
Clindamycin										52	73
Daptomycin								96	70	100	100
Ertapenem	100	92	99	99	100	100					
Erythromycin										11	52
Gentamicin	100	92	91	96	93	90	84				
Imipenem	94	95	99	98	65	100	90				100
Levofloxacin	97	97	66	95	72	39	88	61	21	5	57
Linezolid								97	96	100	100
Meropenem	100	100	99	99	100	100	94				100
Nitrofurantoin	97	26	96	38				100	31	100	100
Oxacillin											100
Penicillin								99	34		
Pip/Tazo	82	76	96	96	100	99	95				100
Tetracycline	91	80	72	82	53			25	27	82	93
Tobramycin	100	92	89	95	97	90	96				
TMP/SMX	94	88	76	87	67	44				88	97
Vancomycin								94	42	100	100

* Antimicrobial susceptibility testing performed according to the guidelines set forth in: (1) Clinical Laboratory Standards Institute (CLSI). Performance standards for antimicrobial disk susceptibility tests; approved standard-thirteenth addition. M2-A13, Vol. 38, No. 1, January 2018; (2) CLSI. Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically; approved standard-eleventh edition. M7-A11, Vol. 38, No. 2, January 2018; and (3) CLSI. Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Ninth Informational Supplement. M100-S29, January

Nursing Home Antibigram - Adams County 2019

Includes nursing home isolates reported by WellSpan Health from Adams County. Jan - Dec 2019 Antibigrams prepared by members of the Departments of Microbiology and Pharmacy.

(%) Susceptibility Color Key: Green: ≥85% Yellow: 70-84% Red: <70% Based on CLSI recommendations only organisms with at least 30 isolates are reported. Additional isolates can be reviewed in the all county nursing home antibiogram. Susceptibility for additional organisms can be obtained from the	Gram
	Negative
Name	<i>Escherichia coli</i>
Isolates	68
Amikacin	100
Amox/Clav	86
Ampicillin	63
AMP/SBM	73
Aztreonam	91
Cefazolin	79
Cefepime	88
Cefotaxime	92
Cefotetan	100
Cefoxitin	94
Ceftazidime	95
Ceftriaxone	91
Cefuroxime	85
Ciprofloxacin	61
Ertapenem	100
Gentamicin	94
Imipenem	100
Levofloxacin	63
Meropenem	100
Nitrofurantoin	97
Pip/Tazo	97
Tetracycline	76
Tobramycin	95
TMP/SMX	82

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Nursing Home Antibigram - Lancaster County 2019

Includes nursing home isolates reported by WellSpan Health from Lancaster County. Jan - Dec 2019 Antibigrams prepared by members of the Departments of Microbiology and Pharmacy

(%) Susceptibility Color Key: Green: ≥85% Yellow: 70-84% Red: <70% Based on CLSI recommendations only organisms with at least 30 isolates are reported. Additional isolates can be reviewed in the all county nursing home antibiogram. Susceptibility for additional organisms can be obtained from the Microbiology Department.	Gram Negative			Gram Positive
	Escherichia coli	Klebsiella pneumoniae	Proteus mirabilis	Enterococcus faecalis
Name				
Isolates	114	39	40	31
Amikacin	100	100	97	
Amox/Clav	85	97	97	
Ampicillin	57		65	100
AMP/SBM	69	89	85	
Aztreonam	91	94	88	
Cefazolin	76	92	85	
Cefepime	84	89	90	
Cefotaxime	91	92	100	
Cefotetan	100	100	100	
Cefoxitin	93	89	97	
Ceftazidime	91	94	100	
Ceftriaxone	90	94	100	
Cefuroxime	86	89	100	
Ciprofloxacin	71	92	37	77
Daptomycin				92
Ertapenem	100	100	100	
Gentamicin	91	97	92	
Imipenem	100	100	100	
Levofloxacin	71	97	55	80
Linezolid				100
Meropenem	100	100	100	
Nitrofurantoin	96	33		100
Oxacillin				
Penicillin				100
Pip/Tazo	99	97	100	
Tetracycline	80	87		32
Tobramycin	92	97	92	
TMP/SMX	83	92	52	
Vancomycin				100

* Antimicrobial susceptibility testing performed according to the guidelines set forth in: (1) Clinical Laboratory Standards Institute (CLSI). Performance standards for antimicrobial disk susceptibility tests; approved standard-thirteenth addition. M2-A13, Vol. 38, No. 1, January 2018; (2) CLSI. Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically; approved standard-eleventh edition. M7-A11, Vol. 38, No. 2, January 2018; and (3) CLSI. Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Ninth Informational Supplement. M100-S29, January 2019.

Nursing Home Antibigram - Lebanon County 2019

Includes nursing home isolates reported by WellSpan Health from Lebanon County. Jan - Dec 2019 Antibigrams prepared by members of the Departments of Microbiology and Pharmacy

(%) Susceptibility Color Key: Green: ≥85% Yellow: 70-84% Red: <70% Based on CLSI recommendations only organisms with at least 30 isolates are reported. Additional isolates can be reviewed in the all county nursing home antibiogram. Susceptibility for additional organisms can be obtained from the Microbiology Department.	Gram Negative				Gram Positive
	Escherichia coli	Klebsiella pneumoniae	Proteus mirabilis	Pseudomonas aeruginosa	Enterococcus faecalis
Name					
Isolates	225	82	121	43	90
Amikacin	100	100	100	100	
Amox/Clav	83	98	97		
Ampicillin	56		67		98
AMP/SBM	64	93	96		
Aztreonam	92	97	96	100	
Cefazolin	70	93	76		
Cefepime	82	89	95	100	
Cefotaxime	84	97	97		
Cefotetan	99	100	100		
Cefoxitin	91	92	95		
Ceftazidime	84	98	99	100	
Ceftriaxone	84	97	98		
Cefuroxime	78	91	97		
Ciprofloxacin	60	93	24	97	59
Daptomycin					98
Ertapenem	99	100	100		
Gentamicin	93	98	98	83	
Imipenem	99	98	100	97	
Levofloxacin	61	96	29	97	63
Linezolid					98
Meropenem	99	100	100	97	
Nitrofurantoin	95	42			100
Penicillin					98
Pip/Tazo	95	100	100	100	
Tetracycline	73	89			26
Tobramycin	88	98	97	100	
TMP/SMX	76	89	45		
Vancomycin					93

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Nursing Home Antibigram - York County 2019

Includes nursing home isolates reported by WellSpan Health from York County. Jan - Dec 2019 Antibigrams prepared by members of the Departments of Microbiology and Pharmacy

(%) Susceptibility Color Key: Green: ≥85% Yellow: 70-84% Red: <70% Based on CLSI recommendations only organisms with at least 30 isolates are reported. Additional isolates can be reviewed in the all county nursing home antibiogram. Susceptibility for additional organisms can be obtained from the Microbiology Department.	Gram Negative				Gram Positive	
	Escherichia coli	Klebsiella pneumoniae	Proteus mirabilis	Pseudomonas aeruginosa	Enterococcus faecalis	Staph aureus, Methicillin RESISTANT
Name						
Isolates	312	82	115	52	91	33
Amikacin	99	100	100	100		
Amox/Clav	83	90	99			
Ampicillin	52		58		100	
AMP/SBM	60	75	80			
Aztreonam	85	87	95	81		
Cefazolin	70	82	69			
Cefepime	80	84	87	96		
Cefotaxime	85	89	98			
Cefotetan	100	100	98			
Cefoxitin	90	92	93			
Ceftazidime	87	89	99	100		
Ceftriaxone	85	89	99			
Cefuroxime	81	81	99			
Ciprofloxacin	65	87	31	78	51	
Clindamycin						66
Daptomycin					91	100
Ertapenem	100	97	100			
Erythromycin						5
Gentamicin	88	92	87	78		
Imipenem	100	97	100	84		
Levofloxacin	66	91	45	76	54	
Linezolid					97	100
Meropenem	100	97	100	88		
Nitrofurantoin	96	40			100	100
Oxacillin						
Penicillin					100	
Pip/Tazo	95	91	100	92		
Tetracycline	68	74			24	78
Tobramycin	88	90	86	92		
TMP/SMX	71	82	38			84
Vancomycin					93	100

* Antimicrobial susceptibility testing performed according to the guidelines set forth in: (1) Clinical Laboratory Standards Institute (CLSI). Performance standards for antimicrobial disk susceptibility tests; approved standard-thirteenth addition. M2-A13, Vol. 38, No. 1. January 2018; (2) CLSI. Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically; approved standard-eleventh edition. M7-A11, Vol. 38, No. 2, January 2018; and (3) CLSI. Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Ninth Informational Supplement. M100-S29, January 2019.