

2014 BASELINE SAAR DETAILS – AU OPTION

This document provides the details for the NHSN Antimicrobial Use (AU) Option 2014 baseline Standardized Antimicrobial Administration Ratios (SAARs). For those NHSN facilities that have submitted applicable data, the 2014 baseline SAARs are available for 2014-2018 AU data. Additional 2014 baseline SAAR model details can be found here:

van Santen KL, Edwards JR, Webb AK, et al. The Standardized Antimicrobial Administration Ratio: A new metric for measuring and comparing antibiotic use. CID 2018; 67:179-85.

2014 Baseline SAAR Categories

2014 Baseline SAAR Title	Locations	SAAR Type in NHSN
SAARs for all antibacterial agents	Adult Medical, Medical-Surgical, Surgical ICUs	IND-Adult-1
	Adult Medical, Medical-Surgical, Surgical Wards	IND-Adult-1
	Pediatric Medical, Medical-Surgical, Surgical ICUs	IND-Pediatric-1
	Pediatric Medical, Medical-Surgical, Surgical Wards	IND-Pediatric-1
SAARs for broad spectrum antibacterial agents predominantly used for hospital-onset/multi-drug resistant infections	Adult Medical, Medical-Surgical, Surgical ICUs	TAR-Adult-1
	Adult Medical, Medical-Surgical, Surgical Wards	TAR-Adult-2
	Pediatric Medical, Medical-Surgical, Surgical ICUs	TAR-Pediatric-1
	Pediatric Medical, Medical-Surgical, Surgical Wards	TAR-Pediatric-2
SAARs for broad spectrum antibacterial agents predominantly used for community-acquired infections	Adult Medical, Medical-Surgical, Surgical ICUs	TAR-Adult-3
	Adult Medical, Medical-Surgical, Surgical Wards	TAR-Adult-4
	Pediatric Medical, Medical-Surgical, Surgical ICUs	TAR-Pediatric-3
	Pediatric Medical, Medical-Surgical, Surgical Wards	TAR-Pediatric-4
SAARs for anti-MRSA antibacterial agents	Adult Medical, Medical-Surgical, Surgical ICUs	TAR-Adult-5
	Adult Medical, Medical-Surgical, Surgical Wards	TAR-Adult-6
	Pediatric Medical, Medical-Surgical, Surgical ICUs	TAR-Pediatric-5
	Pediatric Medical, Medical-Surgical, Surgical Wards	TAR-Pediatric-6
SAARs for antibacterial agents predominantly used for surgical site infection prophylaxis	Adult Medical, Medical-Surgical, Surgical ICUs	TAR-Adult-7
	Adult Medical, Medical-Surgical, Surgical Wards	TAR-Adult-7
	Pediatric Medical, Medical-Surgical, Surgical ICUs	TAR-Pediatric-7
	Pediatric Medical, Medical-Surgical, Surgical Wards	TAR-Pediatric-7

Antimicrobial Groupings for 2014 Baseline SAAR Calculations

Broad spectrum antibacterial agents predominantly used for hospital-onset/multi-drug resistant infections

- AMIKACIN
- AZTREONAM

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- CEFEPIME
- CEFTAZIDIME
- CEFTAZIDIME/AVIBACTAM
- CEFTOLOZANE/TAZOBACTAM
- COLISTIMETHATE
- DORIPENEM
- GENTAMICIN
- IMIPENEM/CILASTATIN
- MEROPENEM
- PIPERACILLIN
- PIPERACILLIN/TAZOBACTAM
- POLYMYXIN B
- TICARCILLIN/CLAVULANATE
- TIGECYCLINE
- TOBRAMYCIN

Broad spectrum antibacterial agents predominantly used for community-acquired infections

- CEFOTAXIME
- CEFTRIAXONE
- CIPROFLOXACIN
- ERTAPENEM
- GEMIFLOXACIN
- LEVOFLOXACIN
- MOXIFLOXACIN

Anti-MRSA antibacterial agents

- CEFTAROLINE
- DALBAVANCIN
- DAPTOMYCIN
- LINEZOLID
- ORITAVANCIN
- QUINUPRISTIN/DALFOPRISTIN
- TEDIZOLID
- TELAVANCIN
- VANCOMYCIN (Only IV Vancomycin administrations are included in this SAAR calculation)

Antibacterial agents predominantly used for surgical site infection prophylaxis (IV administrations only)

- CEFAZOLIN
- CEFOTETAN
- CEFOXITIN
- CEFUROXIME
- CEPHALEXIN (Only available orally and is not expected to be administered IV)

All antibacterial agents

Includes 74 of 75 antibacterial agents reported into the AU Option including the agents listed in the category specific SAARs. The antibacterial DELAFLOXACIN is not included in this SAAR.