

# Antibiotic Resistance Patient Safety Atlas

## Antibiotic Resistance HAI Data

### Data Dictionary

The following are definitions for the terms used in the Antibiotic Resistance (AR) Healthcare Associated Infection (HAI) dataset of the Antibiotic Resistance Patient Safety Atlas.

#### 95% Confidence Interval (95%CI)

Lower and upper bound of the 95% confidence interval around the percent resistant. This is an indication of precision, and is only calculated when the "percent resistant" is calculated.

#### Patient Age

Includes HAIs reported among those of the following age ranges.

**All Ages** – Includes all ages listed below.

**<1** – Less than 1 year old

**1-18** –From 1 to 18 years old

**19-64** –From 19 to 64 years old

**65+** –Over 65 years old, inclusive

#### HAI Type

See NHSN website <http://www.cdc.gov/nhsn/> for complete HAI definition.

**All HAIs** – Includes all types listed below

**CAUTI** – Catheter-Associated Urinary Tract Infection

**CLABSI** – Central Line-Associated Bloodstream Infection

**SSI** – All surgical site infections from inpatient procedures

#### Facility Size

**High** – More than or equal to 200 Beds

**Low** – Less than 200 Beds

#### Facility Type

**General** – Short-stay acute care hospitals

**LTAC** – Long term acute care hospital

**REHAB** – Inpatient rehabilitation facility

#### Hospital Type

**Teaching** – Hospital has identified themselves on the NHSN Annual Hospital Survey as a major teaching facility with educational programs for medical students and post-graduate medical training

**Non-Teaching** – Hospital is not a major teaching hospital

#### Insufficient Data

Between 1 and 19 isolates tested for susceptibility. The percent resistant and accompanying data points cannot be calculated, due to lack of precision, when the number of tested isolates is < 20.

#### Location Type

**ICU** – Adult and pediatric intensive care units (i.e., critical care units)

**NICU** – Neonatal intensive care units

**Other** – All other non-ICU non-NICU locations within a hospital (e.g., medical/surgical wards, step-down units, oncology wards)

#### National

Indicates complete data for all 50 U.S. states, Washington DC, Puerto Rico, and other U.S. territories.

## Not Defined

Zero observations in the denominator (i.e., no isolates tested).

## Number Resistant

Number of bacterial isolates resistant (or in some cases, non-susceptible) to the specified antibiotic, as reported to NHSN. This value is only shown if the "number tested" is at least 20.

## Number Tested

Number of bacterial isolates tested for susceptibility to the specified antibiotic, as reported to NHSN.

## Percent Resistant (%R)

Percent of bacterial isolates tested that are reported resistant to the specified antibiotic. (Number Resistant/Number Tested) x 100. This is only calculated when the "number tested" is at least 20.

## Phenotype

Refer to the "Phenotype Definitions" document located on the home page of the Patient Safety Atlas.

## Region

Geographic areas based on US Census Bureau District definitions.

**East North Central** – Illinois, Indiana, Michigan, Ohio, and Wisconsin

**East South Central** – Alabama, Kentucky, Mississippi, Tennessee

**Middle Atlantic** – New Jersey, New York, Pennsylvania

**Mountain** – Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming

**New England** – Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

**Pacific** – Alaska, California, Hawaii, Oregon, Washington

**South Atlantic** – Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia

**West North Central** – Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota

**West South Central** – Arkansas, Louisiana, Oklahoma, Texas

## Resistant\* (or R\*)

Indicates that the phenotype includes those isolates that tested "non-susceptible" (i.e., either non-susceptible, intermediate or resistant) to selected antibiotics.

## State

**AL** – Alabama

**HI** – Hawaii

**MI** – Michigan

**NC** – North Carolina

**TX** – Texas

**AK** – Alaska

**ID** – Idaho

**MN** – Minnesota

**ND** – North Dakota

**UT** – Utah

**AZ** – Arizona

**IL** – Illinois

**MS** – Mississippi

**OH** – Ohio

**VT** – Vermont

**AR** – Arkansas

**IN** – Indiana

**MO** – Missouri

**OK** – Oklahoma

**VA** – Virginia

**CA** – California

**IA** – Iowa

**MT** – Montana

**OR** – Oregon

**WA** – Washington

**CO** – Colorado

**KS** – Kansas

**NE** – Nebraska

**PA** – Pennsylvania

**WV** – West Virginia

**CT** – Connecticut

**KY** – Kentucky

**NV** – Nevada

**PR** – Puerto Rico

**WI** – Wisconsin

**DC** – Washington, D.C.

**LA** – Louisiana

**NH** – New Hampshire

**RI** – Rhode Island

**WY** – Wyoming

**DE** – Delaware

**ME** – Maine

**NJ** – New Jersey

**SC** – South Carolina

**FL** – Florida

**MD** – Maryland

**NM** – New Mexico

**SD** – South Dakota

**GA** – Georgia

**MA** – Massachusetts

**NY** – New York

**TN** – Tennessee

## Surgery Type

<b>AAA</b> – Abdominal Aortic Aneurysm	<b>FUSN</b> – Spinal Fusion	<b>PACE</b> – Pacemaker Surgery
<b>AMP</b> – Amputation (Limb)	<b>FX</b> – Open reduction of Long Bone Fracture	<b>PRST</b> – Prostate Surgery
<b>APPY</b> – Appendectomy	<b>GAST</b> – Gastric Surgery	<b>PVBY</b> – Peripheral Vascular Bypass Surgery
<b>AVSD</b> – Arteriovenous Shunt for Dialysis	<b>HER</b> – Herniorrhaphy	<b>REC</b> – Rectal surgery
<b>BILI</b> – Bile duct, Liver or Pancreatic Surgery	<b>HPRO</b> – Hip Arthroplasty	<b>RFUSN</b> – Refusion of Spine
<b>BRST</b> – Breast Surgery	<b>HTP</b> – Heart Transplant	<b>SB</b> – Small-Bowel Surgery
<b>CABG</b> – Coronary Artery Bypass Graft	<b>HYST</b> – Hysterectomy (Abdominal)	<b>SPLE</b> – Spleen Surgery
<b>CARD</b> – Cardiac Surgery	<b>KPRO</b> – Knee Arthroplasty	<b>THOR</b> – Thoracic Surgery
<b>CEA</b> – Carotid Endarterectomy	<b>KTP</b> – Kidney Transplant	<b>THYR</b> – Thyroid and/or Parathyroid Surgery
<b>CHOL</b> – Cholecystectomy	<b>LAM</b> – Laminectomy	<b>VHYS</b> – Hysterectomy (Vaginal)
<b>COLO</b> – Colon Surgery	<b>LTP</b> – Liver Transplant	<b>VSHN</b> – Ventricular Shunt
<b>CRAN</b> – Craniotomy	<b>NECK</b> – Neck Surgery	<b>XLAP</b> – Exploratory Laparotomy
<b>CSEC</b> – Cesarean Delivery	<b>NEPH</b> – Kidney Surgery	
	<b>OVRY</b> – Ovarian Surgery	

**For more information about the AR Patient Safety Atlas  
Antibiotic Resistance HAI dataset, visit:  
<http://www.cdc.gov/hai/surveillance>**

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