

Antibiotic Resistance & Patient Safety Portal

Antibiotic Resistance (AR) Data

Data Dictionary

The following are definitions for the terms used in the Antibiotic Resistance dataset of the Antibiotic Resistance & Patient Safety Portal.

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 the [NHSN](https://www.cdc.gov/nhsn/) website (<https://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 Portal.

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

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

Find more information about the [AR & Patient Safety Portal Antibiotic Resistance \(AR\) dataset](https://www.cdc.gov/hai/data/portal/patient-safety-atlas.html) (<https://www.cdc.gov/hai/data/portal/patient-safety-atlas.html>).