

Antimicrobial Resistance & Patient Safety Portal

Data Dictionary: Antimicrobial Resistance HAI Data

The following are definitions for the terms used in the Antimicrobial Resistance (AR) Healthcare-associated Infection (HAI) dataset of the [Antimicrobial Resistance & Patient Safety Portal](#). For more information about the AR & Patient Safety Portal AR HAI dataset, visit: <https://arpsp.cdc.gov/about?tab=antibiotic-resistance>.

Data Dictionary

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.

Age

Adult – Greater than or equal to 18 years of age

Pediatric – Less than 18 years of age

All – Includes all patients, both adult and pediatric

Facility Size

Large – More than or equal to 200 beds

All – Includes large and small size facilities

Small – Less than 200 beds

Facility Type

General – Short-stay acute care hospitals

LTAC – Long-term acute care hospitals

Rehab – Inpatient rehabilitation facilities

All – Includes general, LTAC, and rehab facility types

Sex

Female – Female patients

All – Includes female and male patients

Male – Male patients

HAI Type

The type of healthcare-associated infection (HAI). See [NHSN website \(http://www.cdc.gov/nhsn/\)](http://www.cdc.gov/nhsn/) for complete list of definitions.

CLABSI – Central line-associated bloodstream infection **SSI** –Surgical site infection

CAUTI – Catheter-associated urinary tract infection



Hospital Teaching Status

Major Teaching Hospital – 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-major Teaching Hospital– Hospital is not a major teaching hospital. This category includes non-teaching hospitals, as well as graduate and undergraduate teaching hospitals.

All – All hospitals combined (major teaching and non-major teaching)

Insufficient Data

Between 1 and 19 isolates were tested for susceptibility. The percent resistant and accompanying data points are not calculated, due to lack of precision, when the number of tested isolates is < 20. “No data” is used to indicate insufficient data.

Location Type

The type of patient care location or unit within a hospital. Definitions for all CDC location types can be found here: https://www.cdc.gov/nhsn/pdfs/pscmanual/15locationsdescriptions_current.pdf

Intensive Care Unit (ICU) – Adult and pediatric intensive care units (i.e., critical care units), excluding oncology ICUs

Neonatal Intensive Care Unit (NICU) – Neonatal intensive care units

Oncology – Oncology care ICUs and wards

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

All – includes ICU, NICU, Oncology, and Other locations

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

Number Tested

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

Percent Resistant (%R)

Percent of total isolates tested that were reported as resistant to the specified antimicrobial. This is calculated as: (Number Resistant/Number Tested) x 100. This is only calculated when the "number tested" is at least 20.



Phenotype



The antimicrobial resistance characteristics, or pattern, of an organism. Refer to the "Phenotype Definitions" document located on the "[About the Data](#)" page of the Portal for more information.

Region

Geographic areas based on U.S. Census Bureau Division definitions (http://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf).

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

State

AL – Alabama

AK – Alaska

AZ – Arizona

AR – Arkansas

CA – California

CO – Colorado

CT – Connecticut

DC – Washington, D.C.

DE – Delaware

FL – Florida

GA – Georgia

HI – Hawaii

ID – Idaho

IL – Illinois

IN – Indiana

IA – Iowa

KS – Kansas

KY – Kentucky

LA – Louisiana

ME – Maine

MD – Maryland

MA – Massachusetts

MI – Michigan

MN – Minnesota

MS – Mississippi

MO – Missouri

MT – Montana

NE – Nebraska

NV – Nevada

NH – New Hampshire

NJ – New Jersey

NM – New Mexico

NY – New York

NC – North Carolina

ND – North Dakota

OH – Ohio

OK – Oklahoma

OR – Oregon

PA – Pennsylvania

PR – Puerto Rico

RI – Rhode Island

SC – South Carolina

SD – South Dakota

TN – Tennessee

TX – Texas

UT – Utah

VT – Vermont

VA – Virginia

WA – Washington

WV – West Virginia

WI – Wisconsin

WY – Wyoming



Surgery Type

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

