Datasets: ATLAS, SIDERO,GEARS, KEYSTONE, GLASS

Combined datasets cover 114 countries with a total of 48,271,193 data points.

(one data point is one test for one year-country-bacteria-antibiotic-dataset combination)

Countries per dataset:

ATLAS (82)

GEARS (55)

GLASS (70)

KEYSTONE (24)

SIDERO (13)

Data points per dataset:

ATLAS – 2,163,063

GEARS – 68,502

GLASS – 45,782,127

KEYSTONE- 180,515

SIDERO – 76,986

**Final AMR dataset:**

621,720 data points for all sample sources, E.coli and K.pneumoniae

9 sample sources: Respiratory, Gastro, Urine, Wound, Blood, Reproduction, HEENT, Sterile, Other

Assign remining 6 sources from AMR dataset to either Gastro or Reproduction:?

ovary, spleen, ascetic fluid, vomit, ileum, paracentesis fluid

**16 antibiotics of interest:**

Amikacin

Ampicillin

Amoxicillin/clavulanic acid

Cefepime

Cefotaxime

Ceftazidime

Ceftriaxone

Ciprofloxacin

~~Co-trimoxazole~~

Colistin

Ertapenem

Imipenem

Levofloxacin

Meropenem

Piperacillin/tazobactam

Gentamicin

A graph of different types of blood sources

Description automatically generated with medium confidence

A graph of blue dots

Description automatically generated with medium confidence

A graph of different types of blood sources

Description automatically generated with medium confidence

A comparison of a comparison of a number of blue dots

Description automatically generated with medium confidence

A comparison of a graph

Description automatically generated with medium confidence

A graph of a diagram of a number of blue dots

Description automatically generated with medium confidence

A comparison of a graph

Description automatically generated with medium confidence

A graph of blue dots

Description automatically generated with medium confidence

A graph of a comparison between a number of blood source and a number of numbers

Description automatically generated with medium confidence

A comparison of a comparison of a number of blood sources

Description automatically generated with medium confidence

A comparison of a graph with blue dots

Description automatically generated with medium confidence

A comparison of a graph with blue dots

Description automatically generated with medium confidence

A comparison of a graph with numbers and a line

Description automatically generated with medium confidence

A graph of different types of blood sources

Description automatically generated with medium confidence

A comparison of a graph with blue dots

Description automatically generated with medium confidence