Table S3. Temporal trends in resistance for organism-antibiotic combinations

Bacterial Species	Antibiotic drug	Time points (n)	Year range	OR per year	95% CI	P-value	I^2	Sensitivity-analysis
Klebsiella pneumoniae	Ceftazidime	6	2005 - 2026	1.2	1.1 - 1.3	<0.001	13.9	Robust
Pseudomonas aeruginosa	Piperacillin-tazobactam	6	2017 - 2024	0.5	0.4 - 0.8	<0.001	0.0	Robust
Enterobacter species	Ceftazidime	5	2005 - 2026	1.2	1.1 - 1.4	0.006	0.0	Robust
Acinetobacter baumannii	Imipenem	9	2005 - 2026	1.3	1.1 - 1.5	0.007	52.8	Robust
Acinetobacter baumannii	Meropenem	8	2005 - 2026	1.3	1.0 - 1.5	0.013	52.9	Not robust
Escherichia coli	Imipenem	7	2005 - 2026	1.2	1.0 - 1.4	0.014	41.8	Not robust
Klebsiella pneumoniae	Imipenem	6	2005 - 2026	1.2	1.1 - 1.3	0.021	36.1	Not robust
Acinetobacter baumannii	Amikacin	9	2005 - 2026	1.1	1.0 - 1.2	0.025	6.4	Not robust
Acinetobacter baumannii	Ciprofloxacin	7	2005 - 2026	1.3	1.0 - 1.7	0.043	73.5	Not robust
Escherichia coli	Ciprofloxacin	6	2005 - 2026	1.1	1.0 - 1.3	0.069	75.8	-
Acinetobacter baumannii	Gentamicin	8	2005 - 2026	1.1	1.0 - 1.2	0.082	0.0	-
Enterobacter spp.	Imipenem	5	2005 - 2026	2.3	0.9 - 6.2	0.088	0.0	-
Escherichia coli	Ceftazidime	6	2005 - 2026	1.2	1.0 - 1.4	0.091	85.9	-
Acinetobacter baumannii	Ceftazidime	7	2005 - 2026	1.1	1.0 - 1.2	0.151	0.0	-
Enterobacter spp.	Gentamicin	5	2005 - 2026	1.1	1.0 - 1.2	0.163	0.0	-
Pseudomonas aeruginosa	Ciprofloxacin	7	2005 - 2026	1.1	1.0 - 1.2	0.184	70.6	-
Escherichia coli	Meropenem	6	2017 - 2026	1.4	0.8 - 2.4	0.218	67.5	-
Pseudomonas aeruginosa	Ceftazidime	7	2005 - 2026	1.1	0.9 - 1.3	0.252	80.3	-
Klebsiella pneumoniae	Amikacin	6	2005 - 2026	1.1	0.9 - 1.5	0.279	89.8	-
Escherichia coli	Gentamicin	8	2005 - 2026	1.1	0.9 - 1.3	0.292	82.3	-
Pseudomonas aeruginosa	Imipenem	8	2005 - 2026	1.1	0.9 - 1.3	0.322	75.1	-
Klebsiella pneumoniae	Gentamicin	6	2005 - 2026	1.1	0.9 - 1.2	0.476	81.6	-
Enterobacter species	Amikacin	5	2005 - 2026	1.1	0.9 - 1.3	0.566	36.3	-
Pseudomonas aeruginosa	Gentamicin	9	2005 - 2026	1.0	0.9 - 1.2	0.662	79.0	-
Pseudomonas aeruginosa	Amikacin	9	2005 - 2026	1.1	0.8 - 1.3	0.666	85.4	-
Pseudomonas aeruginosa	Meropenem	7	2017 - 2026	0.9	0.5 - 1.5	0.731	83.2	-
Escherichia coli	Amikacin	6	2005 - 2026	1.0	0.8 - 1.5	0.781	93.2	-

** Leave-one-out sensitivity analysis.*

***Time points (n) denotes the number of distinct publication years included in each meta-regression, which serves as the covariate; because studies published in the same year share a single time point, this value may be lower than the number of contributing studies. All combinations analyzed met the prespecified minimum of six studies.*

Abbreviations: OR, Odds ratio; CI, Confidence interval; I^2, Heterogeneity; n, Number