

Appendix 2 – data extraction template

Variable	Specification
Study ID	...
Number in search file	...
Manuscript title	...
Publication year	...
Publication journal	...
Main author	...
Age category	Adults/children/both
Setting of study	Primary care/All hospital/ER/non-ICU ward/ICU/other
Infectious disease(s) studied (multiple answers allowed)	Upper respiratory tract infections/Lower respiratory tract infections/Abdominal infections/Sepsis/Prophylactic treatment/Bacteraemia/Urinary tract infections/None specified/Other, please specify
Other infectious disease, specified	...
Antibiotic class targeted (multiple answers allowed)	Cephalosporins/Carbapenems/Penicillins/Fluoroquinolones/Aminoglycosides/Macrolides/None specified/Other, please specify
Other antibiotic class, specified	...
Stewardship intervention evaluated (multiple answers allowed)	Restriction/Education/Review and feedback (periodic)/Review and feedback (individual case)/Review and feedback (to patients)/Leadership commitment/Clinical decision support/Therapeutic drug monitoring/Selective susceptibility reporting/Rapid diagnostic testing/Other, please specify
Other stewardship intervention, specified	...
Process measure outcome evaluated	Appropriateness/Antibiotic knowledge/Guideline adherence/Recommendation acceptance/Defined daily doses (DDD)/Days on therapy (DOT)/Proportion treated with antibiotics/Costs/Costs-effectiveness/Duration of treatment/Time to appropriate treatment/Other, please specify
Other process measure, specified	...
Clinical outcome evaluated	Mortality/Length of stay/Clinical cure/Time to clinical stability/Hospital admission/ICU admission/Hospital readmission/Infection/Adverse effects/Revisits/Other, please specify
Other clinical outcome, specified	...
Microbiological outcome evaluated	Colonization with antibiotic resistant pathogens/Infection with antibiotic resistant pathogens/Clostridium Difficile infections/Other, please specify
Other microbiological outcome, specified	...
Any outcome specified as primary outcome(s)?	...
Research design	Randomised clinical trial/Parallel cluster randomised trial/Cluster randomised cross-over trial/Stepped wedge cluster randomised trial/Parallel non-randomised study/Before-after study/Before-after study(ITS)/Controlled before-after study/Controlled before-after study(ITS)/Cohort study without control group/Other, please specify
Other research design, specified	
Retrospective/prospective	Retrospective/Prospective/Retrospective control with prospective intervention/Not reported

Number of centres involved	...
Sample size	...
Unit of sample size	Patients/Doctors/Prescriptions/Other, please specify
Other sample size unit, specified	...
Which (if) endpoint determined sample size calculation	No sample size calculation reported/Mortality/Length of stay/Time to clinical stability/Antibiotic consumption/Other, please specify
Other endpoint that determined sample size calculation, specified	...
Corrected for confounding	Yes/No
Unit of randomisation (if applicable)	Patients/Wards/Hospitals/General practitioners/Geographical region/Other, please specify
Other unit of randomisation, specified	...
How was the study funded	Industry funded/Publicly funded/Industry and publicly funded/No funding or investigator funded/Not reported
If cluster randomised, how many clusters were randomised	...
Geographical region (country)	...
Sustainability/duration of intervention period measured (months)	...
Was a theoretical basis for the intervention described	Yes/No