

## Appendix 1: Search strategy

### a. MEDLINE search strategy

Search ID	Search Terms	Results
S1	(MM "Clostridium difficile")	7,452
S2	(MM "Klebsiella pneumoniae")	8,828
S3	S1 OR S2	16,277
S4	(MM "Drug Resistance, Microbial+")	68,909
S5	(MM "Antimicrobial Stewardship")	982
S6	S4 OR S5	69,747
S7	S3 AND S6	1,649
S8	(MM "Cross Infection+")	42,792
S9	S7 AND S8	192
S10	S7 AND S8	187

### b. CINAHL Plus

Search ID	Search Terms	Results
S1	(MM "Clostridium Difficile")	2,307
S2	"klebsiella pneumonia*"	2,719
S3	S1 OR S2	5,023
S4	(MM "Drug Resistance, Microbial+")	15,817
S5	(MM "Antimicrobial Stewardship")	427
S6	S4 OR S5	16,176
S7	S3 AND S6	719
S8	(MM "Cross Infection+")	27,268
S9	S7 AND S8	166
S10	S7 AND S8	160
S11	S7 AND S8	127

### c. Web of Science Core Collection

Search ID	Search terms	Results
# 1	TS= "clostridium difficile" OR TS= "clostridioides difficile"	12,612
# 2	TS= "klebsiella pneumonia*"	17,207
# 3	#2 OR #1	29,679
# 4	TS= "drug resistance"	50,192
# 5	TS= "antimicrobial stewardship"	3,586
# 6	#5 OR #4	53,661
# 7	#6 AND #3	1,415

# 8	TS= "cross infection" OR TS= nosocomial	17,523
# 9	#8 AND #7	193
# 10	#8 AND #7	193
# 11	#8 AND #7	193

#### d. PubMed

Search ("Cross Infection"[Majr] AND (((("Klebsiella pneumoniae"[Mesh]) OR "Clostridium difficile"[Mesh])) AND (((("Drug Resistance"[Mesh] OR "Drug Resistance, Multiple, Bacterial"[Mesh] OR "Drug Resistance, Bacterial"[Mesh] OR "Drug Resistance, Microbial"[Mesh])) OR "Antimicrobial Stewardship"[Majr]))) Filters: published in the last 10 years; Humans.