

Concept Map Overview:

Concept	Keywords (tiab)	MeSH (mesh)
Antibiotic resistance genes	Antibiotic resistan*, antimicrobial resistan*, antibacterial resistan*, anti-bacterial resistan*, anti-microbial resistan*, resistome*, mobile genetic element*, resistance gene*	Drug Resistance, Bacterial
Child	Infant*, pedi*, paed*, child*, neonat*, newborn*, baby, babies, toddler*, preschool, pre-school	Infant; Child, Preschool
Gut	Stool, fecal, faecal, gut, feces, faeces, intestin*, gastro*	Gastrointestinal Microbiome; Gastrointestinal Tract; Feces

Web of Science

Publication date: 1/1/2000 – 1/1/3000

	Topic Search (includes title, abstract, and keyword)	Results returned
1	TS=("antibiotic resistan*" OR "antimicrobial resistan*" OR "antibacterial resistan*" OR "anti-bacterial resistan*" OR "anti-microbial resistan*" OR resistome* OR "mobile genetic element*" OR "resistance gene*") and Articles or Proceedings Papers (Document Types) and English (Languages)	
2	TS=(infant* OR pedi* OR paed* OR child* OR neonat* OR newborn* OR baby OR babies OR toddler* OR preschool OR pre-school) and Articles or Proceedings Papers (Document Types) and English (Languages)	
3	TS=(stool OR fecal OR faecal OR gut OR feces OR faeces OR intestin* OR gastro*) and Articles or Proceedings Papers (Document Types) and English (Languages)	
4	#1 AND #2 AND #3	

Scopus

	Search	Results returned
1	TITLE-ABS-KEY ("antibiotic resistan*" OR "antimicrobial resistan*" OR "antibacterial resistan*" OR "anti-bacterial resistan*" OR "anti-microbial resistan*" OR resistome* OR "mobile genetic element*" OR "resistance gene*") AND PUBYEAR > 1999 AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "cp")) AND (LIMIT-TO (LANGUAGE , "English"))	
2	TITLE-ABS-KEY (infant* OR pedi* OR paed* OR child* OR neonat* OR newborn* OR baby OR babies OR toddler* OR preschool OR pre-school) AND PUBYEAR > 1999 AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "cp")) AND (LIMIT-TO (LANGUAGE , "English"))	
3	TITLE-ABS-KEY (stool OR fecal OR faecal OR gut OR feces OR faeces OR intestine* OR gastro*) AND PUBYEAR > 1999 AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "cp")) AND (LIMIT-TO (LANGUAGE , "English"))	
4	#1 AND #2 AND #3	

PubMed

	Search	Results Returned
1	("antibiotic resistan*" [Title/Abstract] OR "antimicrobial resistan*" [Title/Abstract] OR "antibacterial resistan*" [Title/Abstract] OR "anti-bacterial resistan*" [Title/Abstract] OR "anti-microbial resistan*" [Title/Abstract] OR resistome* [Title/Abstract] OR "mobile genetic element*" [Title/Abstract] OR "resistance gene*" [Title/Abstract]) NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	
2	"drug resistance, bacterial" [MeSH Major Topic] NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	
3	#1 OR #2	
4	(infant* [Title/Abstract] OR pedi* [Title/Abstract] OR paed* [Title/Abstract] OR child* [Title/Abstract] OR neonat* [Title/Abstract] OR newborn* [Title/Abstract] OR baby [Title/Abstract] OR babies [Title/Abstract] OR toddler* [Title/Abstract] OR preschool [Title/Abstract] OR pre-school [Title/Abstract]) NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	
5	(infant [MeSH Major Topic] OR "child, preschool" [MeSH Major Topic]) NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	
6	#4 OR #5	
7	(stool [Title/Abstract] OR fecal [Title/Abstract] OR faecal [Title/Abstract] OR gut [Title/Abstract] OR feces [Title/Abstract] OR faeces [Title/Abstract] OR intestin* [Title/Abstract] OR gastro* [Title/Abstract]) NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	
8	("gastrointestinal microbiome" [MeSH Terms] OR "gastrointestinal tract" [MeSH Terms] OR feces [MeSH Terms]) NOT (Animals[Mesh] NOT (Animals[Mesh] AND Humans[Mesh])) AND (2000/1/1:3000/12/12[pdat]) AND (english[Filter])	

9	#7 OR #8	
10	#3 AND #6 AND #9	

Cochrane Central Register of Controlled Trials

	Search	Results Returned
1	((antibiotic NEXT resistan*) OR (antimicrobial NEXT resistan*) OR (antibacterial NEXT resistan*) OR (anti-microbial NEXT resistan*) OR (anti-bacterial NEXT resistan*) OR resistome* OR (mobile NEXT genetic NEXT element*) OR (resistance NEXT gene*)):ti,ab,kw (Word variations have been searched) with Publication Year from 2000 to present, in Trials	
2	(infant* OR pedi* OR paed* OR child* OR neonat* OR newborn* OR baby OR babies OR toddler* OR preschool OR pre-school):ti,ab,kw (Word variations have been searched) with Publication Year from 2000 to present, in Trials	
3	(stool OR fecal OR faecal OR gut OR feces OR faeces OR intestin* OR gastro*):ti,ab,kw (Word variations have been searched) with Publication Year from 2000 to present, in Trials	
4	#1 AND #2 AND #3	