

Searching in PubMed Database

≠6	≠5 Filters: Humans; English	160
≠5	≠4 Filters: Humans	1038
≠4	≠1 and ≠2 and ≠3	25131
≠3	Search (((((((((((((((((((((((((((("Treatment Outcome") OR "Tuberculosis treatment outcome") OR "TB treatment outcome") OR "Cure rate") OR Recovery) OR "Treatment completion") OR Mortality) OR Mortalit*) OR "Lost to follow-up") OR "Lost to Follow Up") OR "Treatment failure") OR "Treatment Failures") OR "Clinical response*") OR "Serum zinc") OR Zinc) OR "Serum vitamin A") OR Retinol) OR hemoglobin) OR "hemoglobin status") OR "Treatment Outcome"[MeSH Terms]) OR Recovery[MeSH Terms]) OR Mortality[MeSH Terms]) OR Mortalit*[MeSH Terms]) OR "Lost to Follow-Up"[MeSH Terms]) OR "Treatment Failure"[MeSH Terms]) OR "Clinical responses"[MeSH Terms]) OR Zinc[MeSH Terms]) OR Vitamin A[MeSH Terms]) OR retinol[MeSH Terms]) OR hemoglobin[MeSH Terms])) OR sputum conversion) OR sputum culture conversion) OR sputum smear conversion	2854243
≠2	((((((((((((((((((((((((((((Zinc) OR "Zinc supplementation") OR "zinc sulfate") OR Vitamin A) OR Retinol) OR "Vitamin A supplementation") OR ("Zinc and Vitamin A")) OR ("Vitamin A and Zinc")) OR ("Zinc and Vitamin A supplementation")) OR ("vitamin A and zinc supplementation")) OR "Dietary Supplements") OR "micronutrient supplementation") OR "Dietary Supplements*"[MeSH Terms]) OR Vitamin A[MeSH Terms]) OR Zinc[MeSH Terms]	390994
≠1	(((((((((Tuberculosis) OR TB) OR "Mycobacterium tuberculosis Infection") OR "Acid Fast Bacilli") OR AFB) OR Tuberculosis[MeSH Terms]) OR TB[MeSH Terms]) OR "Tuberculosis, Pulmonary"[MeSH Terms]) OR "Mycobacterium tuberculosis Infection"[MeSH Terms]	402237

Searching in Embase through Ovid

≠5	limit ≠4 to english language	370
≠4	≠1 and ≠2 and ≠3	392
≠3	((("Treatment Outcome".mp. or treatment outcome/ or tuberculosis/) and treatment outcome/) or Recovery.mp. or mortality/ or mortality rate/ or Lost to follow-up.mp. or "Treatment failure".mp. or treatment failure/ or "Clinical response*".mp. or "Serum zinc value".mp. or zinc blood level/ or "Retinol blood level".mp. or vitamin blood level/ or	2843639

	hemoglobin/ or "hemoglobin status".mp. or sputum conversion.mp. or sputum smear conversion.mp. or sputum culture conversion.mp.	
≠2	exp zinc/ or zinc sulfate/ or zinc intake/ or diet supplementation/ or Dietary Supplements.mp. or exp dietary supplement/ or retinol/ or (Vitamin A and Zinc).mp. or micronutrient.mp. or exp trace element/ or (Zinc and Vitamin A supplementation).mp.	311486
≠1	Mycobacterium tuberculosis/ or lung tuberculosis/ or Mycobacterium tuberculosis complex/ or exp tuberculosis/ or postprimary tuberculosis/ or acid fast bacterium/	316923

Searching in Scopus Database

≠7	(tuberculosis OR "Mycobacterium tuberculosis Infection" OR "Acid Fast Bacilli" OR afb) AND (zinc OR "Zinc supplementation" OR "zinc sulfate" OR vitamin AND a OR retinol OR "Vitamin A supplementation" OR "Zinc and Vitamin A" OR "Vitamin A and Zinc" OR "Zinc and Vitamin A supplementation" OR "vitamin A and zinc supplementation" OR "Dietary Supplements" OR "micronutrient supplementation") AND ("Treatment Outcome" OR "Tuberculosis treatment outcome" OR "TB treatment outcome" OR "Cure rate" OR recovery OR "Treatment completion" OR mortality OR mortalit* OR "Lost to follow-up" OR "Lost to Follow Up" OR "Treatment failure" OR "Treatment Failures" OR "Clinical response*" OR "Serum zinc" OR zinc OR "Serum vitamin A" OR retinol OR hemoglobin OR "hemoglobin status" OR "sputum conversion" OR "sputum smear conversion" OR "sputum culture conversion") AND (LIMIT-TO (OA , "all")) AND (LIMIT-TO (DOCTYPE , "ar")) AND (LIMIT-TO (PUBYEAR , 2021) OR LIMIT-TO (PUBYEAR , 2020) OR LIMIT-TO (PUBYEAR , 2019) OR LIMIT-TO (PUBYEAR , 2018) OR LIMIT-TO (PUBYEAR , 2017) OR LIMIT-TO (PUBYEAR , 2016) OR LIMIT-TO (PUBYEAR , 2015) OR LIMIT-TO (PUBYEAR , 2014) OR LIMIT-TO (PUBYEAR , 2013) OR LIMIT-TO (PUBYEAR , 2012) OR LIMIT-TO (PUBYEAR , 2011) OR LIMIT-TO (PUBYEAR , 2010) OR LIMIT-TO (PUBYEAR , 2009) OR LIMIT-TO (PUBYEAR , 2008) OR LIMIT-TO (PUBYEAR , 2007) OR LIMIT-	1,651 document results

	TO (PUBYEAR , 2006) OR LIMIT-TO (PUBYEAR , 2005) OR LIMIT-TO (PUBYEAR , 2004) OR LIMIT-TO (PUBYEAR , 2003) OR LIMIT-TO (PUBYEAR , 2001) OR LIMIT-TO (PUBYEAR , 2000)) AND (LIMIT-TO (LANGUAGE , "English")) AND (LIMIT-TO (EXACTKEYWORD , "Humans")) AND (LIMIT-TO (SUBJAREA , "MEDI")) AND (LIMIT-TO (EXACTKEYWORD , "Human"))	
≠6	(tuberculosis OR "Mycobacterium tuberculosis Infection" OR "Acid Fast Bacilli" OR afb) AND (zinc OR "Zinc supplementation" OR "zinc sulfate" OR vitamin AND a OR retinol OR "Vitamin A supplementation" OR "Zinc and Vitamin A" OR "Vitamin A and Zinc" OR "Zinc and Vitamin A supplementation" OR "vitamin A and zinc supplementation" OR "Dietary Supplements" OR "micronutrient supplementation") AND ("Treatment Outcome" OR "Tuberculosis treatment outcome" OR "TB treatment outcome" OR "Cure rate" OR recovery OR "Treatment completion" OR mortality OR mortalit* OR "Lost to follow-up" OR "Lost to Follow Up" OR "Treatment failure" OR "Treatment Failures" OR "Clinical response*" OR "Serum zinc" OR zinc OR "Serum vitamin A" OR retinol OR hemoglobin OR "hemoglobin status" OR "sputum conversion" OR "sputum smear conversion" OR "sputum culture conversion") AND (LIMIT-TO (EXACTKEYWORD , "Controlled Study"))	5,913 document results
≠5	(tuberculosis OR "Mycobacterium tuberculosis Infection" OR "Acid Fast Bacilli" OR afb) AND (zinc OR "Zinc supplementation" OR "zinc sulfate" OR vitamin AND a OR retinol OR "Vitamin A supplementation" OR "Zinc and Vitamin A" OR "Vitamin A and Zinc" OR "Zinc and Vitamin A supplementation" OR "vitamin A and zinc supplementation" OR "Dietary Supplements" OR "micronutrient supplementation") AND ("Treatment Outcome" OR "Tuberculosis treatment outcome" OR "TB treatment outcome" OR "Cure rate" OR recovery OR "Treatment completion" OR mortality OR mortalit* OR "Lost to follow-up" OR "Lost to Follow Up" OR "Treatment failure" OR "Treatment Failures" OR "Clinical response*" OR "Serum zinc" OR zinc OR "Serum vitamin A" OR retinol OR hemoglobin OR "hemoglobin status" OR "sputum conversion" OR "sputum smear conversion" OR "sputum culture conversion") AND (LIMIT-TO (EXACTKEYWORD , "Human"))	13,207 document results

#4	(tuberculosis OR "Mycobacterium tuberculosis Infection" OR "Acid Fast Bacilli" OR afb) AND (zinc OR "Zinc supplementation" OR "zinc sulfate" OR vitamin AND a OR retinol OR "Vitamin A supplementation" OR "Zinc and Vitamin A" OR "Vitamin A and Zinc" OR "Zinc and Vitamin A supplementation" OR "vitamin A and zinc supplementation" OR "Dietary Supplements" OR "micronutrient supplementation") AND ("Treatment Outcome" OR "Tuberculosis treatment outcome" OR "TB treatment outcome" OR "Cure rate" OR recovery OR "Treatment completion" OR mortality OR mortalit* OR "Lost to follow-up" OR "Lost to Follow Up" OR "Treatment failure" OR "Treatment Failures" OR "Clinical response*" OR "Serum zinc" OR zinc OR "Serum vitamin A" OR retinol OR hemoglobin OR "hemoglobin status" OR "sputum conversion" OR "sputum smear conversion" OR "sputum culture conversion")	27,400 document results
#3	"Treatment Outcome" OR "Tuberculosis treatment outcome" OR "TB treatment outcome" OR "Cure rate" OR Recovery OR "Treatment completion" OR Mortality OR Mortalit* OR "Lost to follow-up" OR "Lost to Follow Up" OR "Treatment failure" OR "Treatment Failures" OR "Clinical response*" OR "Serum zinc" OR Zinc OR "Serum vitamin A" OR Retinol OR hemoglobin OR "hemoglobin status" OR "sputum conversion" OR "sputum smear conversion" OR "sputum culture conversion"	9,842,057 document results
#2	Zinc OR "Zinc supplementation" OR "zinc sulfate" OR Vitamin A OR Retinol OR "Vitamin A supplementation" OR "Zinc and Vitamin A" OR "Vitamin A and Zinc" OR "Zinc and Vitamin A supplementation" OR "vitamin A and zinc supplementation" OR "Dietary Supplements" OR "micronutrient supplementation"	2,583,008 document results
#1	Tuberculosis OR "Mycobacterium tuberculosis Infection" OR "Acid Fast Bacilli" OR AFB	679,614 document results