

Arsenic levels in humans and water sources for human consumption in Peru: A systematic review

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Supplementary material

Table 1. Full electronic search strategies for each database

Database	PubMed Date: July 19, 2024	Results	
Search Strategy	#1	Arsenic Poisoning[Mesh]	3,128
	#2	Arsenicals[Mesh]	17,497
	#3	Arsenic[Mesh]	22,102
	#4	Arsenic*[tiab]	39,208
	#5	Organoarsenic*[tiab]	475
	#6	#1 OR #2 OR #3 OR #4 OR #5	49,696
	#7	Peru[Mesh]	11,302
	#8	Peru*[tiab]	21,791
	#9	Peru[pl]	5,211
	#10	Peru*[ad]	47,331
	#11	#7 OR #8 OR #9 OR #10	64,114
	#12	#6 AND #11	106
Database	Embase (Ovid) Date: July 19, 2024	Results	
Search Strategy	#1	exp arsenic poisoning/	3,612
	#2	exp organoarsenic derivative/	14,758
	#3	exp arsenic/	47,810
	#4	Arsenic*.ti,ab.	44,978
	#5	Organoarsenic*.ti,ab.	485
	#6	or/1-5	72,478
	#7	exp Peru/	17,812
	#8	Peru*.mp.	32,552
	#9	7 or 8	32,552
	#10	6 and 9	109
Database	CINAHL (EBSCO) Date: July 19, 2024	Results	
Search Strategy	#1	(MH "Arsenic Poisoning")	244
	#2	(MH "Arsenicals")	501
	#3	(MH "Arsenic")	1,486
	#4	TI Arsenic* OR AB Arsenic*	2,491
	#5	TI Organoarsenic* OR AB Organoarsenic*	6
	#6	S1 OR S2 OR S3 OR S4 OR S5	2,942
	#7	TI Peru* OR AB Peru*	4,368
	#8	(MH "Peru")	3,282
	#9	S7 OR S8	5,139
	#10	S6 AND S9	11



Database		Web of Science Date: July 19, 2024	Results
Search Strategy	#1	(TS=Arsenic Poisoning OR TS=Arsenicals OR TS=Arsenic OR TI=Arsenic* OR AB=Arsenic* OR TI=Organoarsenic* OR AB=Organoarsenic*) AND (TS=Peru OR TI=Peru* OR AB=Peru* OR AD=Peru*)	236
Database		LILACS Date: July 19, 2024	Results
Search Strategy	#1	((mh:(arsenic poisoning) OR mh:(arsenicals) OR mh:(arsenic) OR (arsenic*) OR (organoarsenic*)) AND (mh:(peru) OR (peru*) OR cp:(peru))) AND (db:("LILACS"))	25
Database		Scopus Date: July 19, 2024	Results
Search Strategy	#1	(INDEXTERMS ("Arsenic Poisoning") OR INDEXTERMS (arsenicals) OR INDEXTERMS (arsenic) OR TITLE-ABS (arsenic*) OR TITLE-ABS (organoarsenic*)) AND (INDEXTERMS (Peru) OR TITLE-ABS (Peru*))	226
Database		CABI Date: July 19, 2024	Results
Search Strategy	#1	("Arsenic poisoning" OR arsenic* OR organoarsenic*) AND (Peru*)	211
Database		SciELO Date: July 19, 2024	Results
Search Strategy	#1	((mh:(arsenic poisoning) OR mh:(arsenicals) OR mh:(arsenic) OR (arsenic*) OR (organoarsenic*)) AND (mh:(peru) OR (peru*) OR cp:(peru)))	43

Table 2. List of excluded articles

Author	Year of publication	Reason of exclusion
Garavito Rentería <i>et al.</i>	2012	Inappropriate study design
O'Callaghan-Gordo <i>et al.</i>	2023	Inappropriate study design
Fano <i>et al.</i>	2021	Inappropriate study design
Delahoy <i>et al.</i>	2028	Inappropriate study design
De Meyer <i>et al.</i>	2019	Absence of arsenic measurements
Barenys <i>et al.</i>	2014	Absence of arsenic measurements
Ramos <i>et al.</i>	2008	Absence of arsenic measurements
Condori Apaza <i>et al.</i>	2023	Water not suitable for human consumption

