

Supplementary Table 1. Complete search strategy for a systematic review of measles transmission on aircraft, 2004-2023.

Database	Strategy	Run Date	Records
Medline (OVID) 1946-	1. Measles/ OR Measles virus/ OR Rubella/ OR Rubella Virus/ OR (Measles OR rubella OR rubeola).mp. 2. Aircraft/ OR Air Travel/ OR (airplane* OR air plane* OR aircraft* OR air craft* OR airline* OR air line* OR (passenger* ADJ5 plane*) OR (air* ADJ5 passenger*) OR (travel* ADJ5 plane*) OR (onboard ADJ5 plane*) OR (on-board ADJ5 plane*) OR (conveyance ADJ5 plane*) OR commercial plane* OR commercial jet* OR fuselage* OR (air ADJ2 travel*) OR in-flight).mp. 3. Travel Medicine/ OR Aerosols/ OR Air Pollution, Indoor/ OR Air Microbiology/ OR (Transmi* OR infect* OR expos* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*).mp OR tm.fs 4. 1-3/AND 5. Limit 4 to yr="2004-2023" 6. exp animals/ NOT exp humans/ 7. 5 NOT 6	12/06/2024	51
Embase (OVID) 1974-	1. Measles/ OR Measles virus/ OR Rubella/ OR Rubella Virus/ OR (Measles OR rubella OR rubeola).mp. 2. Aircraft/ OR Aviation/ OR air transportation/ OR (airplane* OR air plane* OR aircraft* OR air craft* OR airline* OR air line* OR (passenger* ADJ5 plane*) OR (air* ADJ5 passenger*) OR (travel* ADJ5 plane*) OR (onboard ADJ5 plane*) OR (on-board ADJ5 plane*) OR (conveyance ADJ5 plane*) OR commercial plane* OR commercial jet* OR fuselage* OR (air ADJ2 travel*) OR in-flight).mp. 3. emporiatrics/ OR Aerosol/ OR indoor air pollution/ OR (Transmi* OR infect* OR expos* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*).mp OR tm.fs 4. 1-3/AND 5. Limit 4 to yr="2004-2023" 6. exp animal/ NOT exp human/ 7. 5 NOT 6 8. limit 7 to "pubmed/medline" 9. 7 NOT 8	12/06/2024	73 - 34 duplicates =39 unique items

Global Health (OVID) 1910-	Measles/ OR Measles morbillivirus/ OR Rubella/ OR Rubella Virus/ OR (Measles OR rubella OR rubeola).mp. Aircraft/ OR air transport/ OR (airplane* OR air plane* OR aircraft* OR air craft* OR airline* OR air line* OR (passenger* ADJ5 plane*) OR (air* ADJ5 passenger*) OR (travel* ADJ5 plane*) OR (onboard ADJ5 plane*) OR (on-board ADJ5 plane*) OR (conveyance ADJ5 plane*) OR commercial plane* OR commercial jet* OR fuselage* OR (air ADJ2 travel*) OR in-flight).mp. Travel medicine/ OR Aerosols/ OR indoor air pollution/ OR disease transmission/ OR (Transmi* OR infect* OR expos* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*).mp 1-3/AND Limit 4 to yr="2004-2023"	12/06/2024	34 - 29 duplicates =5 unique items
Cochrane Library	#1 [mh ^Measles] OR [mh ^"Measles virus"] OR [mh ^Rubella] OR [mh ^"Rubella Virus"] OR (Measles:ti,ab,kw OR rubella:ti,ab,kw OR rubeola:ti,ab,kw) #2 [mh ^Aircraft] OR [mh ^"Air Travel"] OR (airplane*:ti,ab,kw OR ("air" NEXT plane*):ti,ab,kw OR aircraft*:ti,ab,kw OR ("air" NEXT craft*):ti,ab,kw OR airline*:ti,ab,kw OR ("air" NEXT line*):ti,ab,kw OR (passenger*:ti,ab,kw NEAR/5 plane*:ti,ab,kw) OR (air*:ti,ab,kw NEAR/5 passenger*:ti,ab,kw) OR (travel*:ti,ab,kw NEAR/5 plane*:ti,ab,kw) OR (onboard:ti,ab,kw NEAR/5 plane*:ti,ab,kw) OR (on-board:ti,ab,kw NEAR/5 plane*:ti,ab,kw) OR (conveyance:ti,ab,kw NEAR/5 plane*:ti,ab,kw) OR ("commercial" NEXT plane*):ti,ab,kw OR ("commercial" NEXT jet*):ti,ab,kw OR fuselage*:ti,ab,kw OR (air:ti,ab,kw NEAR/2 travel*:ti,ab,kw) OR in-flight:ti,ab,kw) #3 [mh ^"Travel Medicine"] OR [mh ^Aerosols] OR [mh ^"Air Pollution, Indoor"] OR [mh ^"Air Microbiology"] OR (Transmi*:ti,ab,kw OR infect*:ti,ab,kw OR expos*:ti,ab,kw OR contact*:ti,ab,kw OR aerosol*:ti,ab,kw OR airborne:ti,ab,kw OR air-borne:ti,ab,kw OR droplet*:ti,ab,kw OR outbreak*:ti,ab,kw OR cluster*:ti,ab,kw OR case*:ti,ab,kw OR investigat*:ti,ab,kw) #4 #1 AND #2 AND #3 Limit 2004-2023	12/06/2024	0

CINAHL (EBSCOHost)	((MH Measles) OR (MH "Measles virus") OR (MH Rubella) OR (MH "Rubella Virus") OR (Measles OR rubella OR rubeola)) (MH Aircraft) OR (MH "Air Travel") OR (airplane* OR "air plane*" OR aircraft* OR "air craft*" OR airline* OR "air line*" OR (passenger* N5 plane*) OR (air* N5 passenger*) OR (travel* N5 plane*) OR (onboard N5 plane*) OR (on-board N5 plane*) OR (conveyance N5 plane*) OR "commercial plane*" OR "commercial jet*" OR fuselage* OR (air N2 travel*) OR in-flight) (MH "Travel Medicine") OR (MH Aerosols) OR (MH "Air Pollution, Indoor") OR (MH "Air Microbiology") OR (Transmi* OR infect* OR expos* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*) S1 AND S2 AND S3 Limiters - Publication Date: 20040101-20231231; Exclude MEDLINE records; academic journals	12/06/2024	10 - 5 duplicates =5 unique items
Scopus	(INDEXTERMS(Measles) OR INDEXTERMS("Measles virus") OR INDEXTERMS(Rubella) OR INDEXTERMS("Rubella Virus") OR TITLE-ABS-KEY(Measles OR rubella OR rubeola)) AND (INDEXTERMS(Aircraft) OR INDEXTERMS("Air Travel") OR TITLE-ABS-KEY(airplane* OR "air plane*" OR aircraft* OR "air craft*" OR airline* OR "air line*" OR (passenger* W/5 plane*) OR (air* W/5 passenger*) OR (travel* W/5 plane*) OR (onboard W/5 plane*) OR (on-board W/5 plane*) OR (conveyance W/5 plane*) OR "commercial plane*" OR "commercial jet*" OR fuselage* OR (air W/2 travel*) OR in-flight)) AND (INDEXTERMS("Travel Medicine") OR INDEXTERMS(Aerosols) OR INDEXTERMS("Air Pollution, Indoor") OR INDEXTERMS("Air Microbiology") OR TITLE-ABS-KEY(Transmi* OR infect* OR expos* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*)) AND NOT INDEX(medline)	12/06/2024	15 - 7 duplicates =8 unique items

Epistemonikos	Measles OR rubella OR rubeola AND (airplane* OR "air plane*" OR aircraft* OR "air craft*" OR airline* OR "air line*" OR air travel*) AND (in-flight OR onboard OR on-board OR cabin OR fuselage OR passenger*) AND Transmission OR transmitted OR infection OR infectious OR infect OR infected OR expose* OR exposure* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*	12/06/2024	10 - 8 duplicates =2 unique items
Global Index Medicus	Measles OR rubella OR rubeola AND (airplane* OR "air plane*" OR aircraft* OR "air craft*" OR airline* OR "air line*" OR air travel*) AND (in-flight OR onboard OR on-board OR cabin OR fuselage OR passenger*) AND Transmission OR transmitted OR infection OR infectious OR infect OR infected OR expose* OR exposure* OR contact* OR aerosol* OR airborne OR air-borne OR droplet* OR outbreak* OR cluster* OR case* OR investigat*	12/06/2024	1 - 1 duplicates =0 unique items