



Appendix

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix to: Hoad VC, O'Connor BA, Langley AJ, Dowse GK. Risk of measles transmission on aeroplanes: Australian experience 2007–2011. *Med J Aust* 2013; online first 20 Mar. doi: 10.5694/mja12.11752.

Risk of Measles Transmission on Aeroplanes- Australian Experience 2007-2011, Appendix 1: Literature review of measles cases associated with aeroplane travel.

Reference	Country of departure	Country of arrival	Flight time	Index case age and symptoms	On board transmission	Passengers infected and characteristics	Distance in rows from index
Beard et al 2011 ³	South Africa	Australia	12 hours	11 year old refugee-prodromal symptoms	Assumed likely - 3/4 attended common event in South Africa	Case 1: 25 year old male, 0 doses MMR documented Case 2: 36 year old male, 0 doses MMR documented Case 3: 29 year old male, 0 doses MMR documented Case 4: 38 year old female, 0 doses MMR documented	4 1 17 3
Van Binnendijk et al 2008 ¹⁴	Netherlands	England	Not stated	Index not known	Stated likely or in airport- 2 men on same flight 12 days before rash onset	Case 1: 30 year old male, 0 doses MMR documented Case 2: 37 year old male	Not stated
CDC. MMWR 2010 ¹⁵	Switzerland	USA	Not stated	Not stated	Assumed	Case 1: Identified through contact tracing (standard 2 rows)	Within 2 rows
CDC. MMWR 1983 ¹⁶	USA	USA	Not stated	27 year old male: symptomatic	Assumed	Case 1: No characteristics given	Not stated
Amler et al 1982 ¹⁷	Venezuela	USA	Not stated	Child-prodromal symptoms	Assumed	Case 1: child Case 2: child	Not stated

de Barros et al 2006 ⁷	Brazil (exposed in Maldives)	Brazil	Not stated	36 year old male	Assumed	Case 1: 38 year old male, unvaccinated Case 2: 5 year old child, unvaccinated	3 8
Slater et al 1995 ¹⁸	USA	Israel	10	Unknown	Assumed- note that this flight was delayed on ground with reports no air conditioning was used for 2 hours	Case 1: 9 month old male, unvaccinated Case 2: 4 year old male, unvaccinated Case 3: 20 year old male, unknown vaccination Case 4: 4 year old female, vaccinated (unknown if 2) Case 5: 26 year old male, vaccinated (unknown if 2) Case 6: 26 year old pregnant women , vaccinated Case 7: 2 year old female, unvaccinated Case 8: 30 year old male, vaccinated (unknown if 2)	Not known
CDC MMWR 2005 ⁶	Unknown	USA	Not stated	Unknown	Stated	Case 1: unknown but 2 documented MMR	Seat next to case
CDC. MMWR 2011 ⁸	Singapore (visited Philippines)	Australia then on to New Zealand	7.5 hours then 4.5 hours	3 index cases ages 12-17 years rash onsets day of, to 4 days post flight	Stated and assumed	8 secondary cases. 3 cases from Singapore to Australia and 5 from Australia to New Zealand, individual details not given. Three (11 rows away) were unvaccinated children, one secondary case fully vaccinated.	3 within 2 row contact tracing guidelines, 1 four rows away, 1 six rows away and 3 eleven rows away

Coleman et Markey 2010 ⁹	Singapore (infection acquired in China)	Australia	4.5 hours	16 year old female	Stated and assumed	Case 1: 13 year old male, fully immunised Case 2: 11 year old female sibling of case 1, fully immunised	Seated 8 rows behind index case
CDC MMWR, 2011 ¹⁹	Malaysia	USA	Not stated	15 year old male refugee, rash onset 2 days prior to flight	Cases 1-3 in flight or in Malaysia, Cases 4 and 5 assumed infected on flight	Case 1: 7 month old unvaccinated refugee Case 2: 2 year old unvaccinated refugee Case 3: 14 year old unvaccinated refugee Case 4 and 5: 12 month old and 19 month old unvaccinated American nationals	Not stated Not stated Not stated 9 rows from index