

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 24 Feb 2020 18:07:33 +0000
To: Doepel, Laurie (NIH/NIAID) [E]
Subject: FW: ASF ---- measles - aerosol / contact / droplet
Attachments: 1-s2.0-S1879625717301773-main.pdf

From: Folkers, Greg (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, September 4, 2018 3:15 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6) >
Cc: Conrad, Patricia (NIH/NIAID) [E] (b) (6); Doepel, Laurie (NIH/NIAID) [E] (b) (6); Eisinger, Robert (NIH/NIAID) [E] (b) (6) Folkers, Greg (NIH/NIAID) [E] (b) (6) >; Marston, Hilary (NIH/NIAID) [E] (b) (6)
Subject: ASF ---- measles - aerosol / contact / droplet

And per CDC -- requires airborne precautions

<https://www.cdc.gov/infectioncontrol/basics/transmission-based-precautions.html>

Table 2

Overview of the evidence on transmission routes of respiratory viruses based on experimental data and the transmission route according to infection prevention guidelines

Virus	Virus family ^a	Transmission route	
		Experimental and observational data	Guidelines ^b
Measles virus	<i>Paramyxoviridae</i>	Aerosol [75–77,78*,79*]	Contact [3,110], droplet [3,109–111], aerosol [3,109–111].
Parainfluenza virus	<i>Paramyxoviridae</i>	Limited data, contact (by fomite) [83,84] ^e .	Contact [3,109–111], droplet [3,109–111], aerosol [3,109].
HMPV	<i>Pneumoviridae</i>	Limited data, contact (by fomite) ^e [30]	Contact [3,110,111], droplet [3,110,111].
RSV	<i>Pneumoviridae</i>	Contact [89,88], droplet [88], aerosol [90,91**].	Contact [3,109–111], droplet [3,109,110], aerosol [109,111].
HCoV	<i>Coronaviridae</i>	Limited data, contact (by fomite) [65–67] ^e .	Contact [3,110,111], droplet [3,110,111].
MERS-CoV	<i>Coronaviridae</i>	Contact [84] ^e [89] ^e [91**], droplet [89] ^e , aerosol [91**].	Contact [111], droplet [3,111]
SARS-CoV	<i>Coronaviridae</i>	Contact [70] ^e [73,79,101], droplet [73,78*,79*,117], aerosol [76,118] ^c [82] ^{c,d} .	Contact [3,110,111], droplet [3,110,111], aerosol [3,110,111].
Rhinovirus	<i>Picornaviridae</i>	Contact [35,36,42], aerosol [37,40,119].	Contact [109–111], droplet [109,111], aerosol [109–111].
Adenovirus	<i>Adenoviridae</i>	Contact [100] ^e [100,101], droplet [103*], aerosol [102,103*].	Contact [3,109–111], droplet [3,109,110], aerosol [110,111].
Influenza virus	<i>Orthomyxoviridae</i>	Droplet/aerosol [55,56,57*,59]	Contact [109–111], droplet [3,109–111], aerosol [3,109–111].

^a Taxonomy was based on [62], airborne transmission is seemingly linked to:

^b WIP [108], 'Blue Book' [109], 'Red Book' [110], CDC [3] and Up-To-Date [111]. The conclusions on experimental data as presented in this table reflect the conclusions from the authors.

^c Superspreader events.

^d Aerosol-generating procedures (in a nosocomial situation).

^e Conclusions were drawn based on stability experiments.

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