

LIST OF AIRBORNE PATHOGENS, INCLUDING ALLERGENIC , TOXIGENIC, AND SUSPECTED RESPIRATORY AND NON-RESPIRATORY PATHOGENS

AIRBORNE PATHOGEN	GROUP	DISEASE	STATUS	Primarily Nosocomial	Source	SHAPE	TYPE	CDC Class	MOTILE	Annual Cases	Annual Fatal	ID50 LD50	DIA.	Logmean
<i>Francisella tularensis</i>	Bacteria	tularemia	Non		wild animals	pleo. rod	gram-	Reportable					0.2	0.19
<i>Bordetella pertussis</i>	Bacteria	whooping cough	Contagious	Yes	Humans	ovoid	gram- bacilli	Reportable	Non	2000	15		0.25	0.24
<i>Mycoplasma pneumoniae</i>	Bacteria	pneumonia	Contagious		Humans	pleomorphic	no wall	Reportable	Motile		rare	100	0.25	0.24
<i>Chlamydia pneumoniae</i>	Bacteria	pneumonia, bronchitis	Contagious		Humans	spherical	gram-	Reportable					0.3	0.28
<i>Chlamydia psittaci</i>	Bacteria	psittacosis	Non		Birds	spherical	gram-	Reportable		120	rare		0.3	0.28
<i>Klebsiella pneumoniae</i>	Bacteria	opportunistic infections	Endogenous	Yes	Environmental	ovoid	gram- bacilli	Reportable	Non	1488			0.4	0.39
<i>Haemophilus influenzae</i>	Bacteria	meningitis	Contagious	Yes	Humans	rods	gram- bacilli	Reportable					0.43	0.24
<i>Coxiella burnetii</i>	Bacteria	Q Fever	Non		Cattle, sheep		gram-						0.5	0.5
<i>Pseudomonas aeruginosa</i>	Bacteria	opportunistic infections	Contagious	Yes	Environmental	rods	gram- bacilli		Motile	2626			0.57	0.49
<i>Pseudomonas pseudomallei</i>	Bacteria	opportunistic infections	Non	Yes	Environmental	rods	gram- bacilli		Motile	rare			0.57	0.49
<i>Actinomyces israelii</i>	Bacteria	actinomycosis	Endogenous		Humans	rods	gram+	Reportable					0.6	0.45
<i>Legionella parisiensis</i>	Bacteria	pneumonia(?)	Non		Environmental	rods	gram- bacilli	Reportable					0.6	0.52
<i>Legionella pneumophila</i>	Bacteria	LD, Pontiac fever	Non		Environmental	rods	gram- bacilli	Reportable		40	10		0.6	0.52
<i>Saccharomonospora viridis</i>	ACTINOMYCETES	Farmer's Lung	Non		Agricultural	spores							0.6	0.52
<i>Thermomonospora viridis</i>	ACTINOMYCETES	Farmer's Lung, HP	Non		Agricultural	spores							0.6	0.52
<i>Cardiobacterium</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	rods	gram-						0.63	0.61
<i>Micropolyspora faeni</i>	ACTINOMYCETES	Farmer's Lung			Agricultural	spores							0.69	0.7
<i>Thermoactinomyces sacchari</i>	ACTINOMYCETES	bagassosis, HP			Agricultural	spores							0.7	0.69
<i>Alcaligenes</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	rods	gram-			rare	rare		0.75	0.71
<i>Yersinia pestis</i>	Bacteria	pneumonic plague	Contagious		Rodents	rods	gram- bacilli	Reportable	Non	40			0.75	0.71
<i>Pseudomonas cepacia</i>	Bacteria	nonrespiratory airborne(?)	Non	Yes	Environmental	rods	gram-						0.77	0.49
<i>Pseudomonas mallei</i>	Bacteria	nonrespiratory airborne(?)	Non	Yes	Environmental	rods	gram-						0.77	0.49
<i>Enterobacter cloacae</i>	Bacteria	airborne(?)	Contagious	Yes	Humans	spherical	gram+	Reportable	Non	213964			0.8	0.77
<i>Enterococcus</i>	Bacteria	airborne(?)	Contagious	Yes	Humans	spherical	gram+	Reportable	Non	213963			0.8	0.77
<i>Neisseria meningitidis</i>	Bacteria	meningitis	Endogenous		Humans	spherical	gram-	Reportable		510	0		0.8	0.77
<i>Streptococcus faecalis</i>	Bacteria	airborne(?)	Contagious	Yes	Humans	spherical	gram+	Reportable	Non	213962			0.8	0.77
<i>Streptococcus pyogenes</i>	Bacteria	scarlet fever, pharyngitis	Contagious	Yes	Humans	spherical	gram+	Reportable	Non	213962			0.8	0.77
<i>Mycobacterium kansasii</i>	Bacteria	cavitary pulmonary	Non		Unknown	rods	gram+ bacilli	Reportable		rare	rare		0.86	0.35
<i>Mycobacterium tuberculosis</i>	Bacteria	TB	Contagious	Yes	Humans	rods	gram+ bacilli	Reportable		21000		10	0.86	0.35
<i>Streptococcus pneumoniae</i>	Bacteria	pneumonia, otitis media	Contagious	Yes	Humans	spherical	gram+	Reportable	Non	500000	50000		0.9	0.89
<i>Staphylococcus aureus</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	spherical	gram+	Reportable	Non	2750			0.95	0.92
<i>Staphylococcus epidermis</i>	Bacteria	nonrespiratory airborne(?)	Endogenous	Yes	Humans	spherical	gram+	Reportable	Non	2751			0.95	0.92
<i>Corynebacteria diphtheria</i>	Bacteria	diphtheria	Contagious	Yes	Humans	rods	gram- bacilli	Reportable		490000			1	0.49

<i>Clostridium tetani</i>	Bacteria	nonrespiratory airborne(?)	Non	Yes	Environmental	spores							1	0.98
<i>Haemophilus parainfluenzae</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	rods	gram- bacilli						1	0.98
<i>Micromonospora faeni</i>	ACTINOMYCETES	Farmer's Lung	Non		Agricultural	spores							1	0.87
<i>Moraxella lacunata</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	rods	gram-			rare	0		1	0.98
<i>Thermoactinomyces vulgaris</i>	ACTINOMYCETES	Farmer's Lung, HP	Non		Agricultural	spores							1	0.87
<i>Bacillus anthracis</i>	Bacteria	anthrax	Non		Cattle, sheep	spores	gram+	Reportable	Non	rare	rare		1.13	1.12
<i>Nocardia asteroides</i>	ACTINOMYCETES	nocardiosis	Non	Yes	Environmental	spores		Reportable			rare		1.14	1.12
<i>Mycobacterium avium</i>	Bacteria	cavitary pulmonary	Non		Environmental	rods	gram+ bacilli	Reportable		rare	rare		1.2	1.19
<i>Mycobacterium intracellulare</i>	Bacteria	cavitary pulmonary	Non		Environmental	rods	gram+ bacilli	Reportable		rare	rare		1.2	1.2
<i>Acinetobacter</i>	Bacteria	opportunistic infections	Endogenous	Yes	Environmental	rods	gram-			147			1.25	1.22
<i>Moraxella catarrhalis</i>	Bacteria	opportunistic infections	Endogenous	Yes	Humans	rods	gram-			rare	0		1.25	1.22
<i>Serratia marcescens</i>	Bacteria	opportunistic infections	Endogenous	Yes	Environmental	rods	gram-			479			1.25	1.22
<i>Nocardia brasiliensis</i>	ACTINOMYCETES	pulmonary mycetoma	Non	Yes	Environmental	spores		Reportable	Non				1.5	1.41
<i>Nocardia caviae</i>	ACTINOMYCETES	nocardiosis	Non	Yes	Environmental	spores		Reportable	Non				1.5	1.41
<i>Thermoactinomyces dichotomicus</i>	ACTINOMYCETES	Farmer's Lung	Non		Environmental									
<i>Phialophora repens</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						1.5	1.5
<i>Exophiala jeanselmei</i>	Fungi	humidifier water	Non		Environmental	spores	Hyphomycetes		Non				1.95	1.9
<i>Phialophora hoffmannii</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						2	1.9
<i>Phialophora richardsiae</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						2	1.9
<i>Phialophora mutabilis</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						2.15	2.1
<i>Acremonium spp.</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						2.5	2.4
<i>Trichoderma harzianum</i>	Fungi	allergic alveolitis	Non		Environmental	spores							2.65	2.6
<i>Oidiodendron tenuissimum</i>	Fungi	allergic alveolitis	Non		Environmental	spores							2.75	1
<i>Geomyces pannorum</i>	Fungi	allergic alveolitis	Non		Environmental	spores							3	2.8
<i>Histoplasma capsulatum</i>	Fungi	histoplasmosis	Non	Yes	Environmental	spores	Hyphomycetes	Reportable	Non	common			3	2.2
<i>Paecilomyces variotii</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						3	2.8
<i>Wallemia sebi</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes						3	3
<i>Emericella nidulans</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Ascomycetes						3.25	3.2
<i>Phoma spp.</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Coelomycetes						3.25	3.2
<i>Penicillium brevicompactum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium chrysogenum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium citreonigrum</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium commune</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium corylophilum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium cyclopium</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium expansum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium freii</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium glabrum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium hordei</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium olsonii</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3

<i>Penicillium polonicum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium rugulosum</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Penicillium solitum</i>	Fungi	allergen(?)	Non		Environmental	spores	Hyphomycetes		Non				3.3	3.3
<i>Aspergillus flavus</i>	Fungi	aspergillosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				3.5	3.4
<i>Aspergillus fumigatus</i>	Fungi	aspergillosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				3.5	3.4
<i>Aspergillus niger</i>	Fungi	aspergillosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				3.5	3.4
<i>Aspergillus versicolor</i>	Fungi	aspergillosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				3.5	3.4
<i>Absidia corymbifera</i>	Fungi	zygomycosis	Non		Environmental	spores	Zygomycetes		Non				3.75	3.5
<i>Coccidioides immitis</i>	Fungi	coccidioidomycosis	Non	Yes	Environmental	spores	Hyphomycetes	Reportable	Non				4	3.5
<i>Trichoderma viride</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				4.05	4
<i>Rhizomucor pusillus</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Zygomycetes		Non				4.25	4.2
<i>Aureobasidium pullulans</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				5	4.9
<i>Candida albicans</i>	Fungi	nonrespiratory airborne(?)	Non		Environmental	spores	Zygomycetes		Non				5	4.9
<i>Chaetomium globosum</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				5.5	5.5
<i>Cryptococcus albidus</i>	Fungi	allergen(?)	Non	Yes	Environmental	spores	Blastomycetes	Reportable	Non	high	rare		5.5	5.5
<i>Cryptococcus laurentii</i>	Fungi	allergen(?)	Non	Yes	Environmental	spores	Blastomycetes	Reportable	Non	high	rare		5.5	5.5
<i>Cryptococcus neoformans</i>	Fungi	cryptococcosis	Non	Yes	Environmental	spores	Blastomycetes	Reportable	Non	high	rare		5.5	5.5
<i>Stachybotris atra</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Basidiomycetes		Non				5.65	5.6
<i>Stachybotris chartarum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Basidiomycetes		Non				5.65	5.6
<i>Eurotium amstelodami</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Ascomycetes		Non				5.75	5.6
<i>Eurotium herbariorum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Ascomycetes		Non				5.75	5.6
<i>Eurotium rubrum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Ascomycetes		Non				5.75	5.6
<i>Scopulariopsis brevicaulis</i>	Fungi	onychomycosis	Non		Environmental	spores	Hyphomycetes		Non				6	5.9
<i>Scopulariopsis fusca</i>	Fungi	onychomycosis	Non		Environmental	spores	Hyphomycetes		Non				6	5.9
<i>Sporothrix schenckii</i>	Fungi	sporotrichosis	Non		Environmental	spores	Hyphomycetes		Non				6.5	6.3
<i>Botrytis cinera</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				7	6.7
<i>Mucor plumbeus</i>	Fungi	mucormycosis	Non		Environmental	spores	Zygomycota		Non				7.5	7.1
<i>Rhizopus stolonifer</i>	Fungi	zygomycosis	Non		Environmental	spores	Zygomycota		Non				8	6.9
<i>Cladosporium cladosporioides</i>	Fungi	chromoblastomycosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				9	8.1
<i>Cladosporium herbarum</i>	Fungi	chromoblastomycosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				9	8.1
<i>Cladosporium sphaerospermum</i>	Fungi	chromoblastomycosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				9	8.1
<i>Fusarium culmorum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				11.5	11.2
<i>Fusarium graminearum</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				11.5	11.2
<i>Fusarium moniliforme</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				11.5	11.2
<i>Fusarium solani</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				11.5	11.2
<i>Fusarium sporotrichioides</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				11.5	11.2
<i>Helminthosporium</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				12.47	8.1
<i>Blastomyces dermatitidis</i>	Fungi	blastomycosis	Non		Environmental	spores	Hyphomycetes	Reportable	Non				14	12.6
<i>Rhodoturula glutinus</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Blastomycetes		Non				14	13.9
<i>Rhodoturula minuta</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Blastomycetes		Non				14	13.9
<i>Rhodoturula mucilaginoso</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Blastomycetes		Non				14	13.9
<i>Alternaria alternata</i>	Fungi	allergic alveolitis	Non		Environmental	spores	Hyphomycetes		Non				14.39	11.2
<i>Ulocladium botrytis</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				15	14.1
<i>Ulocladium chartarum</i>	Fungi	allergic alveolitis	Non		Environmental	spores			Non				15	14.1

<i>Paracoccidioides brasiliensis</i>	Fungi	paracoccidioidomycosis	Non		Environmental	spores	Hyphomycetes		Non				18.25	14
<i>Epicoccum nigrum</i>	Fungi	allergen(?)	Non		Environmental	spores			Non				20	19.4