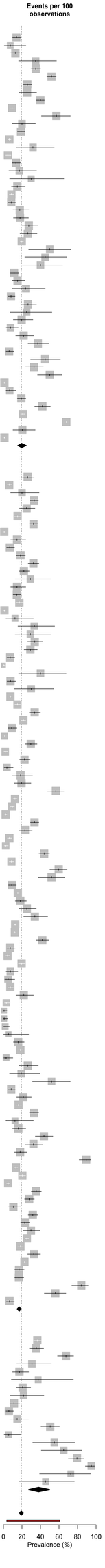Study	Number	Total	Prevalence (%)	95%CI
AA = Aerobic				
Abbott et al., 2021	32	227	14.1	[9.8; 19.3]
Armento et al., 2023	2	27	7.4	[0.9; 24.3]
Barrack et al., 2008	12	93	12.9	[6.8; 21.5]
Beals, 2002	8	23	34.8	[16.4; 57.3]
Borgelt and Burmeister 2022	112	321	34.9	[29.7; 40.4]
Checa Olmos et al., a 2023	205	395	51.9	[46.8; 56.9]
Checa Olmos et al., b 2023	102	395	25.8	[21.6; 30.4]
Cobb et al., 2003	23	90	25.6	[16.9; 35.8]
Dervish et al., a 2023	209	524	39.9	[35.7; 44.2]
Dervish et al., b 2023	49	525	9.3	[7.0; 12.2]
Ferrand and Brunet 2004	24	42	57.1	[41.0; 72.3]
Godoy-Izquierdo and Díaz 2021	9	45	20.0	[9.6; 34.6]
Goutteberge et al., 2017	74	391	18.9	[15.2; 23.2]
Hauck et al., 2020	66	1022	6.5	[5.0; 8.1]
Hoch et al., 2011	7	22	31.8	[13.9; 54.9]
Hopkinson and Lock, a 2004	12	250	4.8	[2.5; 8.2]
Hopkinson and Lock, b 2004	34	250	13.6	[9.6; 18.5]
Hulley and Hill 2001	5	29	17.2	[5.8; 35.8]
Janout and Janoutová b 2004	3	10	30.0	[6.7; 65.2]
Joubert et al., 2022	15	100	15.0	[8.6; 23.5]
Joubert et al., 2020	43	498	8.6	[6.3; 11.5]
Karlson et al., 2001	17	201	8.5	[5.0; 13.2]
Karlsson et al., 2023	15	85	17.6	[10.2; 27.4]
Monthuy-Blanc et al., a 2010	17	95	17.9	[10.8; 27.1]
Monthuy-Blanc et al., a 2010	26	95	27.4	[18.7; 37.5]
Monthuy-Blanc et al., a 2010	25	95	26.3	[17.8; 36.4]
Muros et al., a 2020	403	2037	19.8	[18.1; 21.6]
Neves et al., a 2017	10	20	50.0	[27.2; 72.8]
Neves et al., b 2017	9	20	45.0	[23.1; 68.5]
Neves et al., c 2017	8	20	40.0	[19.1; 63.9]
Okano et al., a 2004	25	217	11.5	[7.6; 16.5]
Pettersen et al., a 2016	18	118	15.3	[9.3; 23.0]
Pettersen et al., c 2016	6	25	24.0	[9.4; 45.1]
Prather et al., 2016	18	220	8.2	[4.9; 12.6]
Ravaldi et al., a 2003	30	113	26.5	[18.7; 35.7]
Reinking and Alexander, a 2005	4	16	25.0	[7.3; 52.4]
Riebl et al., 2007	12	61	19.7	[10.6; 31.8]
Schtscherbyna et al., a 2009	6	78	7.7	[2.9; 16.0]
Schtscherbyna et al., b 2009	17	78	21.8	[13.2; 32.6]
Schtscherbyna et al., c 2009	29	78	37.2	[26.5; 48.9]
Sophia et al., 2022	9	146	6.2	[2.9; 11.4]
Staal et al., 2018	18	40	45.0	[29.3; 61.5]
Stackeov et al., 2023	33	100	33.0	[23.9; 43.1]
Syed et al., 2022	30	60	50.0	[36.8; 63.2]
Tenforde et al., 2022	22	2107	1.0	[0.7; 1.6]
Terry et al., 1999	7	103	6.8	[2.8; 13.5]
Thompson 2007	58	300	19.3	[15.0; 24.3]
Torres-McGehee et al., 2011	58	138	42.0	[33.7; 50.7]
Uriegas et al., a 2021	228	1090	20.9	[18.5; 23.5]
Uriegas et al., b 2021	740	1090	67.9	[65.0; 70.7]
Wheeler et al., 1986	10	49	20.4	[10.2; 34.3]
Wu et al., 2022	23	2113	1.1	[0.7; 1.6]
Random effects model		**16287**	**19.6**	**[15.2; 25.0]**
Heterogeneity: I^2 = 97.67% [97.34%; 97.96%], τ^2 = 1.22, p = 0, R_b = 92.85%				
AA = Both				
Akesdotter et al., 2022	47	180	26.1	[19.9; 33.2]
Anderson and Petrie 2012	26	414	6.3	[4.1; 9.1]
Barrack et al., a 2023	6	30	20.0	[7.7; 38.6]
Barrack et al., b 2023	144	434	33.2	[28.8; 37.8]
Beals and Hill, 2006	28	112	25.0	[17.3; 34.1]
Beals and Manore 2002	65	425	15.3	[12.0; 19.1]
Beals and Manore 2002	138	425	32.5	[28.0; 37.2]
Beekley et al., 2009	109	12731	0.9	[0.7; 1.0]
Borowiec et al., a 2023	12	82	14.6	[7.8; 24.2]
Borowiec et al., b 2023	11	159	6.9	[3.5; 12.0]
Brook et al., a 2019	48	260	18.5	[13.9; 23.7]
Brook et al., b 2019	84	260	32.3	[26.7; 38.4]
Brown et al., 2014	53	240	22.1	[17.0; 27.9]
Brown et al., 2020	7	24	29.2	[12.6; 51.1]
Burrows et al., 2007	12	82	14.6	[7.8; 24.2]
Byrne and McLean 2002	38	263	14.4	[10.4; 19.3]
Carvalhais et al., 2019	64	372	17.2	[13.5; 21.4]
Chatterton and Petrie 2013	8	732	1.1	[0.5; 2.1]
Coelho et al., a 2013	3	24	12.5	[2.7; 32.4]
Coelho et al., b 2013	8	24	33.3	[15.6; 55.3]
Coelho et al., c 2013	7	24	29.2	[12.6; 51.1]
Cox et al., 1997	48	142	33.8	[26.1; 42.2]
De Borja et al., a 2021	48	165	29.1	[22.3; 36.7]
De Borja et al., b 2021	12	165	7.3	[3.8; 12.4]
De Borja et al., c 2021	0	165	0.0	[0.0; 2.2]
Doyle-Lucas et al., 2010	6	15	40.0	[16.3; 67.7]
Escobar-Molina et al., 2015	11	144	7.6	[3.9; 13.3]
Filaire et al., 2011	6	20	30.0	[11.9; 54.3]
Flatt et al., 2021	264	3509	7.5	[6.7; 8.4]
Fortes et al., 2013	88	580	15.2	[12.4; 18.4]
Ghazzawi et al., 2022	84	249	33.7	[27.9; 40.0]
Giel et al., 2016	240	1115	21.5	[19.1; 24.1]
Glotz et al., a 2013	14	156	9.0	[5.0; 14.6]
Glotz et al., b 2013	2	156	1.3	[0.2; 4.6]
Goutteberge et al., 2017	60	203	29.6	[23.4; 36.3]
Greenleaf et al., 2009	4	204	2.0	[0.5; 4.9]
Gullivera et al., 2015	51	224	22.8	[17.4; 28.8]
Hoch et al., 2009	3	80	3.8	[0.8; 10.6]
Janout and Janoutová a 2004	10	54	18.5	[9.3; 31.4]
Junge and Hauschild 2023	16	82	19.5	[11.6; 29.7]
Kampouri et al., 2019	73	129	56.6	[47.6; 65.3]
Kennedy et al., 2017	118	946	12.5	[10.4; 14.7]
Kristjánsdóttir et al., a 2019	72	755	9.5	[7.5; 11.9]
Kristjánsdóttir et al., b 2019	18	755	2.4	[1.4; 3.7]
Lauder et al., 1999	142	423	33.6	[29.1; 38.3]
Lauder et al., 1999	33	142	23.2	[16.6; 31.1]
Lichtenstein et al., 2021	27	417	6.5	[4.3; 9.3]
Martínez Rodríguez et al., 2015	6	244	2.5	[0.9; 5.3]
Martinovic et al., 2022	132	300	44.0	[38.3; 49.8]
McLester et al., 2016	38	439	8.7	[6.2; 11.7]
Meng et al., a 2020	68	114	59.6	[50.1; 68.7]
Meng et al., b 2020	27	52	51.9	[37.6; 66.0]
Michaels et al., 2023	18	198	9.1	[5.5; 14.0]
Muros et al., b 2020	311	2000	15.6	[14.0; 17.2]
Nichols et al., 2006	31	170	18.2	[12.7; 24.9]
Nieves et al., 2016	23	91	25.3	[16.7; 35.5]
O'Connell et al., 2023	19	56	33.9	[21.8; 47.8]
O'Leary et al., a 2023	383	3022	12.7	[11.5; 13.9]
O'Leary et al., b 2023	373	3022	12.3	[11.2; 13.6]
Palotto et al., 2022	89	212	42.0	[35.3; 48.9]
Peklaj et al., 2022	11	150	7.3	[3.7; 12.7]
Pensgaard et al., 2021	17	378	4.5	[2.6; 7.1]
Pernick et al., 2006	89	453	19.6	[16.1; 23.6]
Petisco-Rodríguez et al., a 2020	6	80	7.5	[2.8; 15.6]
Petisco-Rodríguez et al., b 2020	4	80	5.0	[1.4; 12.3]
Petrie et al., 2009	25	336	7.4	[4.9; 10.8]
Pettersen et al., b 2016	18	82	22.0	[13.6; 32.5]
Poucher et al., a 2022	6	186	3.2	[1.2; 6.9]
Poucher et al., b 2022	1	142	0.7	[0.0; 3.9]
Poucher et al., c 2022	1	123	0.8	[0.0; 4.4]
Poucher et al., d 2022	2	108	1.9	[0.2; 6.5]
Pritchett et al., 2021	1	18	5.6	[0.1; 27.3]
Rauh et al., 2010	26	163	16.0	[10.7; 22.5]
Ravi et al., 2021	155	846	18.3	[15.8; 21.1]
Reinking and Alexander, b 2005	2	68	2.9	[0.4; 10.2]
Reinking, 2006	20	76	26.3	[16.9; 37.7]
Robbeson et al., a 2015	5	26	19.2	[6.6; 39.4]
Robbeson et al., b 2015	13	25	52.0	[31.3; 72.2]
Roberts and Kreipe 2003	19	226	8.4	[5.1; 12.8]
Rogers et al., 2021	24	112	21.4	[14.2; 30.2]
Rosendahl et al., 2009	94	576	16.3	[13.4; 19.6]
Rousselet et al., 2017	112	340	32.9	[28.0; 38.2]
Rouveix et al., 2007	3	24	12.5	[2.7; 32.4]
Sharps et al., a 2022	18	112	16.1	[9.8; 24.2]
Sharps et al., b 2022	49	112	43.8	[34.4; 53.4]
Smith et al., 2020	33	102	32.4	[23.4; 42.3]
Sundgot-Borgen 1993	24	133	18.0	[11.9; 25.6]
Sundgot-Borgen 1994	92	103	89.3	[81.7; 94.5]
Sundgot-Borgen and Torstveit 2004	170	1259	13.5	[11.7; 15.5]
Sundgot-Borgen et al., 2003	113	553	20.4	[17.1; 24.0]
Teixidor-Batlle et al., 2021	33	646	5.1	[3.5; 7.1]
Thein-Nissenbaum et al., 2011	110	311	35.4	[30.1; 41.0]
Thein-Nissenbaum et al., 2014	81	291	27.8	[22.8; 33.4]
Thiel et al., 1993	9	84	10.7	[5.0; 19.4]
Thompsonnet al., a 2017	103	325	31.7	[26.7; 37.1]
Thompsonnet al., b 2017	75	325	23.1	[18.6; 28.0]
Torres-McGehee et al., 2009	30	101	29.7	[21.0; 39.6]
Torres-McGehee et al., 2023	520	2054	25.3	[23.4; 27.3]
Torstveit and Sundgot-Borgen 2005	123	669	18.4	[15.5; 21.5]
Torstveit et al., 2007	61	186	32.8	[26.1; 40.0]
Uriegas et al., 2023	428	1885	22.7	[20.8; 24.7]
Vardar et al., 2005	37	220	16.8	[12.1; 22.4]
Vardar et al., 2007	40	240	16.7	[12.2; 22.0]
Whitehead et al., g 2020	63	75	84.0	[73.7; 91.4]
Whitehead et al., h 2020	42	75	56.0	[44.1; 67.5]
Wollenberg et al., 2015	10	151	6.6	[3.2; 11.8]
Random effects model		**52842**	**16.9**	**[14.6; 19.4]**
Heterogeneity: I^2 = 97.15% [96.86%; 97.42%], τ^2 = 0.71, p = 0, R_b = 88.5%				
AA = Anaerobic				
Al-Jumayan et al., 2021	205	560	36.6	[32.6; 40.7]
Alwan et al., 2022	56	158	35.4	[28.0; 43.4]
Devrim et al., 2018	81	120	67.5	[58.3; 75.8]
Gibson et al., 2019	8	26	30.8	[14.3; 51.8]
Goutteberge and Kerkhoffs, a 2017	14	81	17.3	[9.8; 27.3]
Janout and Janoutová c 2004	3	8	37.5	[8.5; 75.5]
Marshall and Harber 1996	23	111	20.7	[13.6; 29.5]
O'Connor et al., 1995	5	23	21.7	[7.5; 43.7]
Okano et al., b 2004	16	140	11.4	[6.7; 17.9]
Okano et al., c 2004	9	153	5.9	[2.7; 10.9]
Ravaldi et al., b 2003	8	54	14.8	[6.6; 27.1]
Walberg and Johnston 1991	52	103	50.5	[40.5; 60.5]
Waryasz et al., 2020	2	35	5.7	[0.7; 19.2]
Whitehead et al., a 2020	11	20	55.0	[31.5; 76.9]
Whitehead et al., b 2020	13	20	65.0	[40.8; 84.6]
Whitehead et al., c 2020	77	97	79.4	[70.0; 86.9]
Whitehead et al., d 2020	92	97	94.8	[88.4; 98.3]
Whitehead et al., e 2020	8	11	72.7	[39.0; 94.0]
Whitehead et al., f 2020	5	11	45.5	[16.7; 76.6]
Random effects model		1828	37.9	[29.3; 50.2]
Heterogeneity: I^2 = 93.95% [91.85%; 95.50%], τ^2 = 1.07, p < 0.001, R_b = 86.21%				
Random effects model		**70957**	**19.2**	**[17.0; 21.6]**
Prediction interval				**[3.5; 60.9]**
Heterogeneity: I^2 = 97.37% [97.17%; 97.56%], τ^2 = 0.90, p = 0, R_b = 89.77%				
Test for subgroup differences: χ^2_2 = 16.77, df = 2 (p < 0.001)