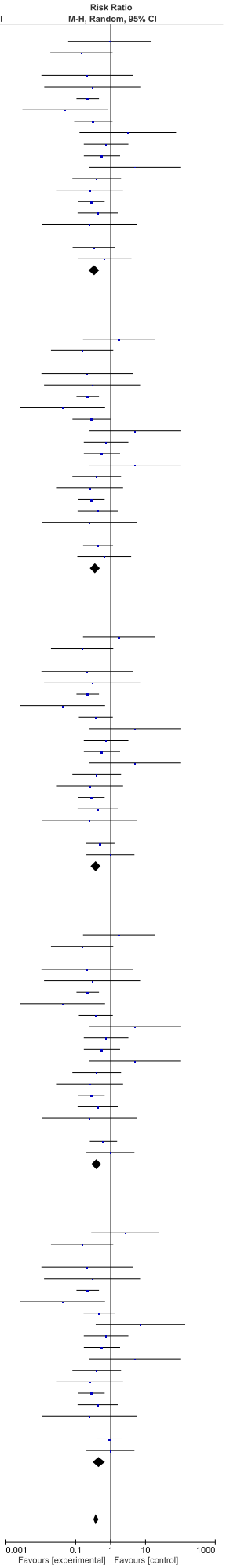Study or Subgroup	Probiotics Events	Probiotics Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
1.1.1 Complete case analysis						
Arvola 1999	1	61	1	58	0.3%	0.95 [0.06, 14.85]
Beausoleil 2007	1	44	7	45	0.5%	0.15 [0.02, 1.14]
Bravo 2008	0	41	0	45		Not estimable
Can 2008	0	73	2	78	0.3%	0.21 [0.01, 4.37]
Duman 2005	0	196	1	180	0.2%	0.31 [0.01, 7.47]
Gao 2010	9	171	20	84	4.2%	0.22 [0.11, 0.46]
Hickson 2007	0	56	9	53	0.3%	0.05 [0.00, 0.84]
Kotowska 2005	3	119	10	127	1.4%	0.32 [0.09, 1.14]
Lonnermak 2010	1	80	0	83	0.2%	3.11 [0.13, 75.26]
McFarland 1995	3	97	4	96	1.1%	0.74 [0.17, 3.23]
Miller 2008-(1)	4	95	7	94	1.6%	0.57 [0.17, 1.87]
Miller 2008-(2)	2	157	0	159	0.3%	5.06 [0.25, 104.63]
Plummer 2004	2	69	5	69	0.9%	0.40 [0.08, 1.99]
Psaradellis 2010	1	216	4	221	0.5%	0.26 [0.03, 2.27]
Rafiq 2007	5	45	22	55	2.9%	0.28 [0.11, 0.67]
Ruszcynski 2008	3	120	7	120	1.3%	0.43 [0.11, 1.62]
Safdar 2008	0	23	1	17	0.2%	0.25 [0.01, 5.79]
Selinger 2011	0	62	0	62		Not estimable
Surawicz 1989	3	116	5	64	1.2%	0.33 [0.08, 1.34]
Thomas 2001	2	133	3	134	0.7%	0.67 [0.11, 3.96]
Subtotal (95% CI)		**1974**		**1844**	**18.2%**	**0.34 [0.24, 0.49]**
Total events	40		108			
Heterogeneity: Tau² = 0.00; Chi² = 12.09, df = 17 (P = 0.79); I² = 0%						
Test for overall effect: Z = 5.87 (P < 0.00001)						
1.1.2 Assumption 1. RI(LTFU/FU) = 1.5						
Arvola 1999	2	89	1	78	0.4%	1.75 [0.16, 18.96]
Beausoleil 2007	1	44	7	47	0.5%	0.15 [0.02, 1.19]
Bravo 2008	0	41	0	45		Not estimable
Can 2008	0	73	2	78	0.3%	0.21 [0.01, 4.37]
Duman 2005	0	204	1	185	0.2%	0.30 [0.01, 7.38]
Gao 2010	9	171	20	84	4.2%	0.22 [0.11, 0.46]
Hickson 2007	0	69	11	66	0.3%	0.04 [0.00, 0.69]
Kotowska 2005	3	132	11	137	1.5%	0.28 [0.08, 0.99]
Lonnermak 2010	2	118	0	121	0.3%	5.13 [0.25, 105.66]
McFarland 1995	3	97	4	96	1.1%	0.74 [0.17, 3.23]
Miller 2008-(1)	4	95	7	94	1.6%	0.57 [0.17, 1.87]
Miller 2008-(2)	2	157	0	159	0.3%	5.06 [0.25, 104.63]
Plummer 2004	2	69	5	69	0.9%	0.40 [0.08, 1.99]
Psaradellis 2010	1	233	4	239	0.5%	0.26 [0.03, 2.28]
Rafiq 2007	5	45	22	55	2.9%	0.28 [0.11, 0.67]
Ruszcynski 2008	3	120	7	120	1.3%	0.43 [0.11, 1.62]
Safdar 2008	0	23	1	17	0.2%	0.25 [0.01, 5.79]
Selinger 2011	0	62	0	62		Not estimable
Surawicz 1989	7	212	8	106	2.4%	0.44 [0.16, 1.17]
Thomas 2001	2	152	3	150	0.7%	0.66 [0.11, 3.88]
Subtotal (95% CI)		**2206**		**2008**	**19.5%**	**0.36 [0.26, 0.51]**
Total events	46		114			
Heterogeneity: Tau² = 0.00; Chi² = 15.08, df = 17 (P = 0.59); I² = 0%						
Test for overall effect: Z = 5.81 (P < 0.00001)						
1.1.3 Assumption 2. (LTFU/FU) = 2						
Arvola 1999	2	89	1	78	0.4%	1.75 [0.16, 18.96]
Beausoleil 2007	1	44	7	47	0.5%	0.15 [0.02, 1.19]
Bravo 2008	0	41	0	45		Not estimable
Can 2008	0	73	2	78	0.3%	0.21 [0.01, 4.37]
Duman 2005	0	204	1	185	0.2%	0.30 [0.01, 7.38]
Gao 2010	9	171	20	84	4.2%	0.22 [0.11, 0.46]
Hickson 2007	0	69	11	66	0.3%	0.04 [0.00, 0.69]
Kotowska 2005	4	132	11	137	1.8%	0.38 [0.12, 1.16]
Lonnermak 2010	2	118	0	121	0.3%	5.13 [0.25, 105.66]
McFarland 1995	3	97	4	96	1.1%	0.74 [0.17, 3.23]
Miller 2008-(1)	4	95	7	94	1.6%	0.57 [0.17, 1.87]
Miller 2008-(2)	2	157	0	159	0.3%	5.06 [0.25, 104.63]
Plummer 2004	2	69	5	69	0.9%	0.40 [0.08, 1.99]
Psaradellis 2010	1	233	4	239	0.5%	0.26 [0.03, 2.28]
Rafiq 2007	5	45	22	55	2.9%	0.28 [0.11, 0.67]
Ruszcynski 2008	3	120	7	120	1.3%	0.43 [0.11, 1.62]
Safdar 2008	0	23	1	17	0.2%	0.25 [0.01, 5.79]
Selinger 2011	0	62	0	62		Not estimable
Surawicz 1989	8	212	8	106	2.5%	0.50 [0.19, 1.30]
Thomas 2001	3	152	3	150	0.9%	0.99 [0.20, 4.81]
Subtotal (95% CI)		**2206**		**2008**	**20.3%**	**0.38 [0.27, 0.54]**
Total events	49		114			
Heterogeneity: Tau² = 0.00; Chi² = 16.23, df = 17 (P = 0.51); I² = 0%						
Test for overall effect: Z = 5.55 (P < 0.00001)						
1.1.4 Assumption 3. (LTFU/FU) = 3						
Arvola 1999	2	89	1	78	0.4%	1.75 [0.16, 18.96]
Beausoleil 2007	1	44	7	47	0.5%	0.15 [0.02, 1.19]
Bravo 2008	0	41	0	45		Not estimable
Can 2008	0	73	2	78	0.3%	0.21 [0.01, 4.37]
Duman 2005	0	204	1	185	0.2%	0.30 [0.01, 7.38]
Gao 2010	9	171	20	84	4.2%	0.22 [0.11, 0.46]
Hickson 2007	0	69	11	66	0.3%	0.04 [0.00, 0.69]
Kotowska 2005	4	132	11	137	1.8%	0.38 [0.12, 1.16]
Lonnermak 2010	2	118	0	121	0.3%	5.13 [0.25, 105.66]
McFarland 1995	3	97	4	96	1.1%	0.74 [0.17, 3.23]
Miller 2008-(1)	4	95	7	94	1.6%	0.57 [0.17, 1.87]
Miller 2008-(2)	2	157	0	159	0.3%	5.06 [0.25, 104.63]
Plummer 2004	2	69	5	69	0.9%	0.40 [0.08, 1.99]
Psaradellis 2010	1	233	4	239	0.5%	0.26 [0.03, 2.28]
Rafiq 2007	5	45	22	55	2.9%	0.28 [0.11, 0.67]
Ruszcynski 2008	3	120	7	120	1.3%	0.43 [0.11, 1.62]
Safdar 2008	0	23	1	17	0.2%	0.25 [0.01, 5.79]
Selinger 2011	0	62	0	62		Not estimable
Surawicz 1989	10	212	8	106	2.8%	0.63 [0.25, 1.54]
Thomas 2001	3	152	3	150	0.9%	0.99 [0.20, 4.81]
Subtotal (95% CI)		**2206**		**2008**	**20.6%**	**0.40 [0.28, 0.56]**
Total events	51		114			
Heterogeneity: Tau² = 0.00; Chi² = 17.03, df = 17 (P = 0.45); I² = 0%						
Test for overall effect: Z = 5.38 (P < 0.00001)						
1.1.5 Assumption 4. (LTFU/FU) = 5						
Arvola 1999	3	89	1	78	0.5%	2.63 [0.28, 24.76]
Beausoleil 2007	1	44	7	47	0.5%	0.15 [0.02, 1.19]
Bravo 2008	0	41	0	45		Not estimable
Can 2008	0	73	2	78	0.3%	0.21 [0.01, 4.37]
Duman 2005	0	204	1	185	0.2%	0.30 [0.01, 7.38]
Gao 2010	9	171	20	84	4.2%	0.22 [0.11, 0.46]
Hickson 2007	0	69	11	66	0.3%	0.04 [0.00, 0.69]
Kotowska 2005	5	132	11	137	2.2%	0.47 [0.17, 1.32]
Lonnermak 2010	3	118	0	121	0.3%	7.18 [0.37, 137.44]
McFarland 1995	3	97	4	96	1.1%	0.74 [0.17, 3.23]
Miller 2008-(1)	4	95	7	94	1.6%	0.57 [0.17, 1.87]
Miller 2008-(2)	2	157	0	159	0.3%	5.06 [0.25, 104.63]
Plummer 2004	2	69	5	69	0.9%	0.40 [0.08, 1.99]
Psaradellis 2010	1	233	4	239	0.5%	0.26 [0.03, 2.28]
Rafiq 2007	5	45	22	55	2.9%	0.28 [0.11, 0.67]
Ruszcynski 2008	3	120	7	120	1.3%	0.43 [0.11, 1.62]
Safdar 2008	0	23	1	17	0.2%	0.25 [0.01, 5.79]
Selinger 2011	0	62	0	62		Not estimable
Surawicz 1989	15	212	8	106	3.4%	0.94 [0.41, 2.14]
Thomas 2001	3	152	3	150	0.9%	0.99 [0.20, 4.81]
Subtotal (95% CI)		**2206**		**2008**	**21.5%**	**0.47 [0.31, 0.70]**
Total events	59		114			
Heterogeneity: Tau² = 0.16; Chi² = 21.99, df = 17 (P = 0.19); I² = 23%						
Test for overall effect: Z = 3.69 (P = 0.0002)						
Total (95% CI)		**10798**		**9876**	**100.0%**	**0.39 [0.33, 0.45]**
Total events	245		564			
Heterogeneity: Tau² = 0.00; Chi² = 83.76, df = 89 (P = 0.64); I² = 0%						
Test for overall effect: Z = 12.25 (P < 0.00001)						
Test for subgroup differences: Chi² = 1.40, df = 4 (P = 0.84), I² = 0%