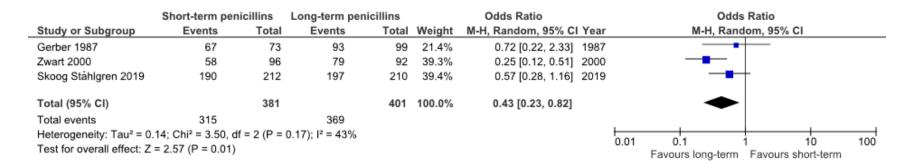
### **Supplemental Data**

Short- versus long-course antibiotic treatment for acute streptococcal pharyngitis: systematic review and meta-analysis of randomised controlled trials.

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#### Fig. 1. Early clinical cure of short-term penicillins compared to long-term penicillin therapy

Figure S1. Early clinical cure of short-term penicillins compared to long-term penicillin therapy.

	Short-term macrolide Long-term penicillin				Odds Ratio		Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	Year	M-H, Random, 95% CI	
Hooton 1991	150	151	89	90	1.2%	1.69 [0.10, 27.28]	1991		
Hamill 1993	40	41	41	41	0.9%	0.33 [0.01, 8.22]	1993		
Portier 1995	123	130	128	132	4.7%	0.55 [0.16, 1.92]	1995		
ODoherty 1996a	225	226	128	132	1.8%	7.03 [0.78, 63.59]	1996		
Pacifico 1996	65	76	73	78	5.7%	0.40 [0.13, 1.23]	1996		
Schaad 1996	149	160	143	160	8.9%	1.61 [0.73, 3.56]	1996	+	
Adam 1996	100	102	97	99	2.2%	1.03 [0.14, 7.47]	1996		
Gendrel 1997	98	102	106	108	2.8%	0.46 [0.08, 2.58]	1997		
McCarty 2000	244	252	220	235	7.9%	2.08 [0.86, 5.00]	2000	+	
Norrby 2001	110	138	119	150	12.4%	1.02 [0.58, 1.82]	2001	_ <b>_</b> _	
Portier 2001	103	114	97	109	8.0%	1.16 [0.49, 2.75]	2001	_ <b>-</b> _	
Portier 2002	156	168	159	165	6.6%	0.49 [0.18, 1.34]	2002		
Schaad 2002	134	141	126	130	4.7%	0.61 [0.17, 2.13]	2002		
Cohen 2002	292	334	155	167	10.7%	0.54 [0.28, 1.05]	2002		
Takker 2003	174	177	145	154	4.3%	3.60 [0.96, 13.55]	2003		
Norrby 2004	170	198	169	197	12.6%	1.01 [0.57, 1.77]	2004	_ <b>_</b> _	
Syrogiannopoulos 2004	253	267	132	135	4.7%	0.41 [0.12, 1.45]	2004		
Total (95% CI)		2777		2282	100.0%	0.93 [0.68, 1.26]			
Total events	2586		2127						
Heterogeneity: Tau <sup>2</sup> = 0.1	1; Chi <sup>2</sup> = 22.99, d	f = 16 (P =	= 0.11); l <sup>2</sup> = 30%				F		
Test for overall effect: Z =	= 0.49 (P = 0.63)						0	0.01 0.1 1 10 100 Favours long-term Favours short-term	
	, ,							Favours long-term Favours short-term	

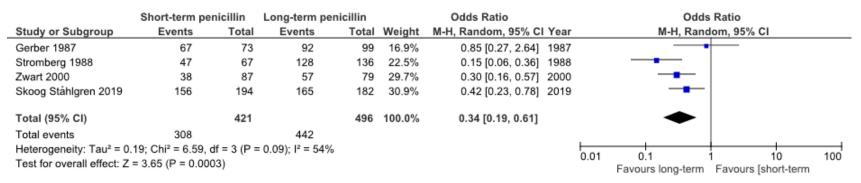
## Fig. 2. Early clinical cure of short-term macrolides compared to long-term penicillin therapy

Figure S2. Early clinical cure of short-term macrolides compared to long-term penicillin therapy.

	Short-term cephal	osporin	Long-term pe	enicillin		Odds Ratio		Odds Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	Year	M-H, Random, 95% Cl	
Portier 1990	65	65	58	60	0.8%	5.60 [0.26, 119.01]	1990		
Gehanno 1991	89	90	77	80	1.5%	3.47 [0.35, 34.02]	1991		
Peyramond 1994	88	91	79	81	2.4%	0.74 [0.12, 4.56]	1994		
Pichichero 1994	144	154	138	151	10.8%	1.36 [0.58, 3.20]	1994		
Portier 1994	85	88	75	78	3.0%	1.13 [0.22, 5.79]	1994		
Adam 1995	72	75	74	76	2.4%	0.65 [0.11, 4.00]	1995		
Carbon 1995	87	97	83	93	9.2%	1.05 [0.41, 2.65]	1995		
Tack 1997	205	224	196	216	18.2%	1.10 [0.57, 2.13]	1997		
Tack 1998	194	218	181	214	24.9%	1.47 [0.84, 2.59]	1998	+	
Kafetzis 2004	87	88	90	91	1.0%	0.97 [0.06, 15.70]	2004		
Scholz 2004	481	496	1357	1456	25.8%	2.34 [1.35, 4.07]	2004		
Total (95% CI)		1686		2596	100.0%	1.48 [1.11, 1.96]		◆	
Total events	1597		2408						
Heterogeneity: Tau <sup>2</sup> =	0.00; Chi <sup>2</sup> = 6.84, df =	10 (P = 0.	.74); l² = 0%						100
Test for overall effect:	Z = 2.72 (P = 0.007)	-					0.01	1 0.1 1 10 Favours long-term Favours short-term	100

## Fig. 3. Early clinical cure of short-term cephalosporins compared to long-term penicillin therapy

Figure S3. Early clinical cure of short-term cephalosporins compared to long-term penicillin therapy.



## Fig. 4. Early bacteriological eradication of short-term penicillins compared to long-term penicillin therapy

Figure S4. Early bacteriological eradication of short-term penicillins compared to long-term penicillin therapy.

	Short-term macrolide Long-term penicillin			Odds Ratio		Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M-H, Random, 95% CI
Hooton 1991	138	152	86	90	5.0%	0.46 [0.15, 1.44] 1	1991	
Hamill 1993	39	41	42	44	3.0%	0.93 [0.12, 6.92]	1993	
Portier 1995	93	98	89	101	5.1%	2.51 [0.85, 7.41]	1995	
Adam 1996	85	102	87	99	5.9%	0.69 [0.31, 1.53] 1	1996	
ODoherty 1996a	222	226	121	132	4.9%	5.05 [1.57, 16.19] 1	1996	· · · · · · · · · · · · · · · · · · ·
Pacifico 1996	52	76	71	78	5.6%	0.21 [0.09, 0.53]	1996	
Schaad 1996	99	152	128	156	6.6%	0.41 [0.24, 0.69]	1996	
Gendrel 1997	81	102	97	108	5.9%	0.44 [0.20, 0.96] 1	1997	
McCarty 2000	238	253	190	244	6.4%	4.51 [2.47, 8.24] 2	2000	
Norrby 2001	111	138	119	150	6.5%	1.07 [0.60, 1.91] 2	2001	_ <b>_</b> _
Portier 2001	93	113	87	109	6.2%	1.18 [0.60, 2.30] 2	2001	
Cohen 2002	214	315	127	154	6.7%	0.45 [0.28, 0.73] 2	2002	- <b>-</b> -
Portier 2002	125	138	127	142	6.0%	1.14 [0.52, 2.48] 2	2002	<b>-</b> _
Schaad 2002	54	141	105	130	6.5%	0.15 [0.09, 0.26] 2	2002	
Takker 2003	158	192	140	168	6.5%	0.93 [0.54, 1.61] 2	2003	
Syrogiannopoulos 2004	161	267	114	135	6.6%	0.28 [0.17, 0.47] 2	2004	_ <b>-</b> _
Norrby 2004	110	138	119	150	6.5%	1.02 [0.58, 1.82] 2	2004	
Total (95% CI)		2644		2190	100.0%	0.76 [0.48, 1.20]		•
Total events	2073		1849					
Heterogeneity: Tau <sup>2</sup> = 0.7	77; Chi <sup>2</sup> = 119.09,	df = 16 (P	< 0.00001); l <sup>2</sup> :	= 87%			H 10	1 0.1 1 10 100
Test for overall effect: Z =	= 1.18 (P = 0.24)						0.0	1 0.1 1 10 100 Favours long-term Favours short-term

## Fig. 5. Early bacteriological eradication of short-term macrolides compared to long-term penicillin therapy

Figure S5. Early bacteriological eradication of short-term macrolides compared to long-term penicillin therapy.

	Short-term cephalo	osporin	Long-term pe	nicillin		Odds Ratio		Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	Year	M-H, Random, 95% Cl
Portier 1990	59	61	49	52	3.1%	1.81 [0.29, 11.25]	1990	
Milatovic 1991	89	105	88	104	10.2%	1.01 [0.48, 2.15]	1991	
Gehanno 1991	78	81	70	73	3.7%	1.11 [0.22, 5.70]	1991	
Peyramond 1994	63	67	50	52	3.4%	0.63 [0.11, 3.58]	1994	
Pichichero 1994	114	125	101	129	10.3%	2.87 [1.36, 6.06]	1994	
Portier 1994	79	82	64	68	4.1%	1.65 [0.36, 7.62]	1994	
Carbon 1995	90	109	92	107	10.4%	0.77 [0.37, 1.61]	1995	
Adam 1995	57	69	60	68	7.8%	0.63 [0.24, 1.66]	1995	
Tack 1997	201	224	155	216	13.4%	3.44 [2.04, 5.80]	1997	
Tack 1998	193	218	176	214	13.1%	1.67 [0.97, 2.87]	1998	
Kafetzis 2004	86	88	79	91	4.1%	6.53 [1.42, 30.10]	2004	
Scholz 2004	441	490	1196	1421	16.4%	1.69 [1.22, 2.35]	2004	
Total (95% CI)		1719		2595	100.0%	1.60 [1.13, 2.27]		◆
Total events	1550		2180					
Heterogeneity: Tau <sup>2</sup> =	0.17; Chi <sup>2</sup> = 23.64, df	= 11 (P =	0.01); l <sup>2</sup> = 53%				H	
Test for overall effect:			a -				0.0	
	, P							Favours long-term Favours short-term

# Fig. 6. Early bacteriological eradication of short-term cephalosporins compared to long-term penicillin therapy

Figure S6. Early bacteriological eradication of short-term cephalosporins compared to long-term penicillin therapy.

Portier 1990 Gehanno 1991 Peyramond 1994 Portier 1994 Carbon 1995 Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 Mecarty 2000	vents 58 85 78 77 112 69 109 175 189 149 57 88 89 44 137 188 2531 182	Total 60 90 84 80 115 75 117 176 199 152 65 89 102 48 162 231 2900	Events 52 76 69 67 108 68 120 83 106 156 71 86 93 44 145 174 1198	Total   53   80   73   68   115   76   125   83   108   156   73   92   99   48   167   211	Weight 0.3% 0.9% 1.0% 0.3% 0.3% 1.4% 1.3% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4% 7.0%	M-H, Random, 95% Cl 0.56 [0.05, 6.33] 0.89 [0.23, 3.45] 0.75 [0.20, 2.78] 0.38 [0.04, 3.77] 2.42 [0.61, 9.60] 1.35 [0.45, 4.11] 0.57 [0.18, 1.79] 0.70 [0.03, 17.38] 0.36 [0.08, 1.66] 0.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54] 0.93 [0.57, 1.51]	1990 1991 1994 1994 1995 1995 1995 1996 1996 1996 1996 1996 1998	M-H, Random, 95% CI
Gehanno 1991 Peyramond 1994 Portier 1994 Carbon 1995 Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	85 78 77 112 69 109 175 189 149 57 88 89 44 137 188 2531	90 84 80 115 75 117 176 199 152 65 89 102 48 162 231	76 69 67 108 68 120 83 106 156 71 86 93 44 145 174	80 73 68 115 76 125 83 108 156 73 92 99 48 167	0.9% 1.0% 0.3% 0.9% 1.4% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	$\begin{array}{c} 0.89 \left[ 0.23, 3.45 \right] \\ 0.75 \left[ 0.20, 2.78 \right] \\ 0.38 \left[ 0.04, 3.77 \right] \\ 2.42 \left[ 0.61, 9.60 \right] \\ 1.35 \left[ 0.45, 4.11 \right] \\ 0.57 \left[ 0.18, 1.79 \right] \\ 0.70 \left[ 0.03, 17.38 \right] \\ 0.36 \left[ 0.08, 1.66 \right] \\ 0.14 \left[ 0.01, 2.66 \right] \\ 0.20 \left[ 0.04, 0.98 \right] \\ 6.14 \left[ 0.72, 52.07 \right] \\ 0.44 \left[ 0.16, 1.21 \right] \\ 1.00 \left[ 0.24, 4.25 \right] \\ 0.83 \left[ 0.45, 1.54 \right] \end{array}$	1991 1994 1994 1995 1995 1995 1996 1996 1996 1996 1998 1998	
Peyramond 1994 Portier 1994 Carbon 1995 Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	78 77 112 69 109 175 189 149 57 88 89 44 137 188 2531	84 80 115 75 117 199 152 65 89 102 48 162 231	69 67 108 68 120 83 106 156 71 86 93 44 145 174	73 68 115 76 125 83 108 156 73 92 99 48 167	1.0% 0.3% 0.9% 1.4% 1.3% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	$\begin{array}{c} 0.75 \\ 0.20, 2.78 \\ 0.38 \\ [0.04, 3.77 ] \\ 2.42 \\ [0.61, 9.60 ] \\ 1.35 \\ [0.45, 4.11 ] \\ 0.57 \\ [0.18, 1.79 ] \\ 0.70 \\ [0.03, 17.38 ] \\ 0.36 \\ [0.08, 1.66 ] \\ 0.14 \\ [0.01, 2.66 ] \\ 0.20 \\ [0.04, 0.98 ] \\ 6.14 \\ [0.72, 52.07 ] \\ 0.44 \\ [0.16, 1.21 ] \\ 1.00 \\ [0.24, 4.25 ] \\ 0.83 \\ [0.45, 1.54 ] \end{array}$	1994 1994 1995 1995 1995 1996 1996 1996 1996 1996	
Portier 1994 Carbon 1995 Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	77 112 69 109 175 189 149 57 88 89 44 137 188 2531	80 115 75 117 176 199 152 65 89 102 48 162 231	67 108 68 120 83 106 156 71 86 93 44 145 174	68 115 76 125 83 108 156 73 92 99 48 167	0.3% 0.9% 1.4% 1.3% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	0.38 (0.04, 3.77) 2.42 (0.61, 9.60) 1.35 (0.45, 4.11) 0.57 (0.18, 1.79) 0.70 (0.03, 17.38) 0.36 (0.08, 1.66) 0.14 (0.01, 2.66) 0.20 (0.04, 0.98) 6.14 (0.72, 52.07) 0.44 (0.16, 1.21) 1.00 (0.24, 4.25) 0.83 (0.45, 1.54]	1994 1995 1995 1995 1996 1996 1996 1996 1996	
Carbon 1995 Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	112 69 109 175 189 149 57 88 89 44 137 188 2531	115 75 117 176 199 152 65 89 102 48 162 231	108 68 120 83 106 156 71 86 93 44 145 174	115 76 125 83 108 156 73 92 99 48 167	0.9% 1.4% 1.3% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	$\begin{array}{c} 2.42 \left(0.61, 9.60\right) \\ 1.35 \left[0.45, 4.11\right] \\ 0.57 \left[0.18, 1.79\right] \\ 0.70 \left[0.03, 17.38\right] \\ 0.36 \left[0.08, 1.66\right] \\ 0.14 \left[0.01, 2.66\right] \\ 0.20 \left[0.04, 0.98\right] \\ 6.14 \left[0.72, 52.07\right] \\ 0.44 \left[0.16, 1.21\right] \\ 1.00 \left[0.24, 4.25\right] \\ 0.83 \left[0.45, 1.54\right] \end{array}$	1995 1995 1995 1996 1996 1996 1996 1996	
Adam 1995 Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	69 109 175 189 149 57 88 89 44 137 188 2531	75 117 176 199 152 65 89 102 48 162 231	68 120 83 106 156 71 86 93 44 145 174	76 125 83 108 156 73 92 99 48 167	1.4% 1.3% 0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	$\begin{array}{c} 1.35 \\ 0.45, 4.11 \\ 0.57 \\ [0.18, 1.79] \\ 0.70 \\ [0.03, 17.38] \\ 0.36 \\ [0.04, 1.66] \\ 0.14 \\ [0.01, 2.66] \\ 0.20 \\ [0.04, 0.98] \\ 6.14 \\ [0.72, 52.07] \\ 0.44 \\ [0.16, 1.21] \\ 1.00 \\ [0.24, 4.25] \\ 0.83 \\ [0.45, 1.54] \end{array}$	1995 1995 1996 1996 1996 1996 1996 1996	
Portier 1995 Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	109 175 189 149 57 88 89 44 137 188 2531	117 176 199 152 65 89 102 48 162 231	120 83 106 156 71 86 93 44 145 174	125 83 108 156 73 92 99 48 167	1.3% 0.2% 0.7% 0.2% 0.4% 1.7% 0.8% 4.4%	0.57 [0.18, 1.79] 0.70 [0.03, 17.38] 0.36 [0.08, 1.66] 0.14 [0.01, 2.66] 0.20 [0.04, 0.98] 6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1995 1996 1996 1996 1996 1996 1996 1998 1998	
Carbon 1996 ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	175 189 149 57 88 89 44 137 188 2531	176 199 152 65 89 102 48 162 231	83 106 156 71 86 93 44 145 174	83 108 156 73 92 99 48 167	0.2% 0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	0.70 [0.03, 17.38] 0.36 [0.08, 1.66] 0.14 [0.01, 2.66] 0.20 [0.04, 0.98] 6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1996 1996 1996 1996 1996 1998 1998	
ODoherty 1996a ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	189 149 57 88 89 44 137 188 2531	199 152 65 89 102 48 162 231	106 156 71 86 93 44 145 174	108 156 73 92 99 48 167	0.7% 0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	0.36 [0.08, 1.66] 0.14 [0.01, 2.66] 0.20 [0.04, 0.98] 6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1996 1996 1996 1996 1998 1998	
ODoherty 1996b Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mechart 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	149 57 88 89 44 137 188 2531	152 65 89 102 48 162 231	156 71 86 93 44 145 174	156 73 92 99 48 167	0.2% 0.7% 0.4% 1.7% 0.8% 4.4%	0.14 (0.01, 2.66) 0.20 (0.04, 0.98) 6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1996 1996 1996 1998 1998	
Pacifico 1996 Muller 1996 Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	57 88 89 44 137 188 2531	65 89 102 48 162 231	71 86 93 44 145 174	73 92 99 48 167	0.7% 0.4% 1.7% 0.8% 4.4%	0.20 [0.04, 0.98] 6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1996 1996 1998 1998	
Muller 1996 Adam 1996 Cremer 1998 Mechar 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	88 89 44 137 188 2531	89 102 48 162 231	86 93 44 145 174	92 99 48 167	0.4% 1.7% 0.8% 4.4%	6.14 [0.72, 52.07] 0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1996 1998 1998	
Adam 1996 Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	89 44 137 188 2531	102 48 162 231	93 44 145 174	99 48 167	1.7% 0.8% 4.4%	0.44 [0.16, 1.21] 1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1996 1998 1998	
Cremer 1998 Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	44 137 188 2531	48 162 231	44 145 174	48 167	0.8% 4.4%	1.00 [0.24, 4.25] 0.83 [0.45, 1.54]	1998 1998	
Mehra 1998 McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	137 188 2531	162 231	145 174	167	4.4%	0.83 [0.45, 1.54]	1998	
McCarty 2000 Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	188 2531	231	174					
Adam 2000 Kaplan 2001 Norrby 2001 Portier 2001	2531			211	7.0%	0.93 [0.57, 1.51]	2000	
Kaplan 2001 Norrby 2001 Portier 2001		2900	1109					
Norrby 2001 Portier 2001	182		1190	1352	31.8%	0.88 [0.72, 1.08]	2000	
Portier 2001		198	178	194	3.2%	1.02 [0.50, 2.11]	2001	
	103	138	109	130	4.6%	0.57 [0.31, 1.04]	2001	
Cohen 2002	76	83	73	78	1.2%	0.74 [0.23, 2.45]	2001	
	233	252	119	130	2.8%	1.13 [0.52, 2.46]	2002	
Schaad 2002	131	139	123	130	1.6%	0.93 [0.33, 2.65]	2002	
Portier 2002	119	131	122	126	1.3%	0.33 [0.10, 1.04]	2002	
Quinn 2003	178	232	170	231	9.0%	1.18 [0.78, 1.80]	2003	- <b>-</b> -
Takker 2003	159	170	132	148	2.7%	1.75 [0.79, 3.91]	2003	+
Kafetzis 2004	77	88	150	177	3.0%	1.26 [0.59, 2.68]	2004	- <b>-</b>
Norrby 2004	339	430	333	428	14.5%	1.06 [0.77, 1.47]		+
Syrogiannopoulos 2004	344	372	118	124	2.1%	0.62 [0.25, 1.55]		
Total (95% CI)		6978		4875	100.0%	0.91 [0.80, 1.04]		•
Total events	6176		4343					
Heterogeneity: Tau <sup>2</sup> = 0.00; Chi <sup>2</sup> =	27.81, df =	= 27 (P = 0	).42); l <sup>2</sup> = 3%				0.01	1 0.1 1 10

Fig. 7. Late clinical cure of short-term antibiotic therapy compared to long-term regimen treatment

Figure S7. Late clinical cure of short-term antibiotic therapy compared to long-term regimen treatment

	Short-term anti		Long-term and			Odds Ratio		Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M-H, Random, 95% CI
Sinanian 1972	22	22	127	132	0.6%	1.94 [0.10, 36.34]	1972	
Gerber 1987	59	73	91	99	2.8%	0.37 [0.15, 0.94]	1987	
Stromberg 1988	30	66	106	135	3.6%	0.23 [0.12, 0.43]	1988	
Portier 1990	51	54	43	48	1.8%	1.98 [0.45, 8.75]	1990	
Hooton 1991	123	136	74	84	3.0%	1.28 [0.53, 3.06]	1991	
Muller 1993	33	36	33	36	1.5%	1.00 [0.19, 5.32]	1993	
Weippl 1993	32	37	34	39	2.0%	0.94 [0.25, 3.56]	1993	
Pichichero 1994	113	126	119	151	3.4%	2.34 [1.17, 4.68]	1994	
Peyramond 1994	50	54	42	48	2.0%	1.79 [0.47, 6.75]	1994	
Portier 1994	67	72	56	61	2.1%	1.20 [0.33, 4.34]	1994	
Portier 1995	80	84	78	82	1.9%	1.03 [0.25, 4.25]	1995	
Adam 1995	69	75	68	76	2.4%	1.35 [0.45, 4.11]	1995	
Schaad 1996	51	93	96	120	3.6%	0.30 [0.17, 0.56]	1996	
Pacifico 1996	40	51	67	71	2.2%	0.22 [0.06, 0.73]	1996	
ODoherty 1996a	189	199	102	108	2.6%	1.11 [0.39, 3.15]	1996	
Adam 1996	77	102	75	99	3.5%	0.99 [0.52, 1.88]	1996	
Cremer 1998	19	33	34	39	2.3%	0.20 [0.06, 0.64]	1998	
Venuta 1998	60	63	70	74	1.7%	1.14 [0.25, 5.31]	1998	
Tack 1998	156	166	152	157	2.5%	0.51 [0.17, 1.54]	1998	
McCarty 2000	202	253	198	244	4.0%	0.92 [0.59, 1.43]		-+-
Adam 2000	2459	2667	1146	1229	4.4%	0.86 [0.66, 1.11]	2000	-
Portier 2001	73	83	68	78	2.8%	1.07 [0.42, 2.74]		
Norrby 2001	107	138	111	150	3.8%	1.21 [0.71, 2.08]		
Esposito 2001	53	56	51	54	1.6%	1.04 [0.20, 5.39]	2001	
Kaplan 2001	162	198	176	194	3.6%	0.46 [0.25, 0.84]		
Portier 2002	106	126	105	117	3.2%	0.61 [0.28, 1.30]		
Schaad 2002	44	141	88	130	3.9%	0.22 [0.13, 0.36]		
Cohen 2002	148	196	99	114	3.6%	0.47 [0.25, 0.88]		
Quinn 2003	133	187	116	173	4.0%	1.21 [0.77, 1.89]		- <b>-</b>
Takker 2003	131	192	117	168	4.0%	0.94 [0.60, 1.46]		-
Scholz 2004	406	434	1097	1266	4.1%	2.23 [1.47, 3.39]		
Norrby 2004	236	325	225	323	4.3%		2004	+
Kafetzis 2004	81	88	131	177	3.0%	4.06 [1.75, 9.43]		·
Syrogiannopoulos 2004	141	243	88	114	3.9%	0.41 [0.25, 0.68]		
Total (95% CI)		6869		6190	100.0%	0.81 [0.63, 1.04]		•
Total events	5803		5283					
Heterogeneity: Tau <sup>2</sup> = 0.3 Test for overall effect: Z =	36; Chi <sup>2</sup> = 141.08,	df = 33 (P		77%			0.	01 0.1 1 10 10 Favours long-term Favours short-term

Fig. 8. Late bacteriological eradication of short-term antibiotic therapy compared to long-term regimen treatment

Figure S8. Late bacteriological eradication of short-term antibiotic therapy compared to long-term regimen treatment.

	Short-te		Long-te			Odds Ratio		Odds Ratio
itudy or Subgroup	Events					M-H, Random, 95% C		M-H, Random, 95% CI
inanian 1972	7	22	17	132	2.3%	3.16 [1.13, 8.86]	1972	
ortier 1990	3	65	1	60	0.8%	2.85 [0.29, 28.22]	1990	
looton 1991	38	229	2	117	1.5%	11.44 [2.71, 48.31]	1991	
Sehanno 1991	6	90	8	80	2.1%	0.64 [0.21, 1.94]	1991	
Veippl 1993	5	46	8	47	1.9%	0.59 [0.18, 1.97]	1993	
lamill 1993	2	49	0	47	0.5%	5.00 [0.23, 106.95]	1993	
ortier 1994	7	165	6	149	2.1%	1.06 [0.35, 3.22]	1994	
ichichero 1994	11	161	18	323	2.9%	1.24 [0.57, 2.70]	1994	
eyramond 1994	9	91	5	0		Not estimable	1994	
arbon 1995	16	119	26	117	3.2%	0.54 [0.27, 1.08]	1995	
dam 1995	5	75	6	76	1.9%	0.83 [0.24, 2.86]	1995	
ortier 1995	6	130	2	132	1.3%	3.15 [0.62, 15.88]	1995	
arbon 1996	14	176	13	83	2.8%	0.47 [0.21, 1.04]	1996	
dam 1996	10	115	8	112	2.4%	1.24 [0.47, 3.26]		
chaad 1996	23	164	16	173	3.2%	1.60 [0.81, 3.15]		
acifico 1996	8	93	5	90	2.0%	1.60 [0.50, 5.09]		
Doherty 1996a	35	326	8	163	2.9%	2.33 [1.06, 5.15]		
ack 1997	30	240	33	242	3.6%	0.90 [0.53, 1.54]		
Sendrel 1997	16	149	19	149	3.1%	0.82 [0.41, 1.67]		
enuta 1998	4	74	3	63	1.4%	1.14 [0.25, 5.31]		
ack 1998	51	278	42	280	3.9%	1.27 [0.81, 1.99]		
lehra 1998	15	327	17	324	3.1%	0.87 [0.43, 1.77]		
remer 1998	11	62	9	60	2.4%	1.22 [0.47, 3.20]		
AcCarty 2000	35	268	32	260	3.7%	1.07 [0.64, 1.79]		
Portier 2001	24	168	16	152	3.2%	1.42 [0.72, 2.78]		
lorrby 2001	57	196	41	198	3.8%	1.57 [0.99, 2.49]		
sposito 2001	4	61		59	1.7%	0.62 [0.17, 2.32]		
ichaad 2002	4	139	6	130	1.8%	0.61 [0.17, 2.22]		
Portier 2002	46	177	31	172	3.7%	1.60 [0.96, 2.67]		
ohen 2002	40 68	333	5	166	2.5%			
akker 2003	61	192	51	168	3.9%	8.26 [3.26, 20.92]		
		229	131	228	4.0%	1.07 [0.68, 1.67]		
uinn 2003	154					1.52 [1.04, 2.23]		
yrogiannopoulos 2004	69	468	8	158	3.0%	3.24 [1.52, 6.90]		
icholz 2004	13	496	17	1543	3.1%	2.42 [1.17, 5.01]		
lorrby 2004	224	427	129	424	4.3%	2.52 [1.91, 3.34]		
afetzis 2004	4	88	8	177	1.9%	1.01 [0.29, 3.44]		
akata 2008	3	80	10	151	1.7%	0.55 [0.15, 2.06]		
Curoki 2013	22	47	5	39	2.1%	5.98 [1.99, 17.97]		
koog Stählgren 2019	91	212	125	210	4.0%	0.51 [0.35, 0.75]	2019	
otal (95% CI)		6827		7254	100.0%	1.35 [1.08, 1.68]		◆
otal events	1211		893					
leterogeneity: Tau <sup>2</sup> = 0.27		19.89,		< 0.00	001); l <sup>2</sup> = 6	9%		0.01 0.1 1 10 10

Fig. 9. Adverse effects of short-term antibiotic therapy compared to long-term antibiotic therapy

Figure S9. Adverse effects of short-term antibiotic therapy compared to long-term antibiotic therapy.