

Table S1. The excluded articles and the reason of exclusion (Articles previously analyzed in other meta-analysis).

Articles	The Reason of Exclusion	Criteria for this Meta-Analysis
Dhali, 1999	Symptom assessed 12 weeks after <i>H. pylori</i> eradication	12 months after <i>H. pylori</i> eradication
Greenberg, 1999	Changes of dyspeptic symptom scores in each groups were presented.	Number of patients who showed symptom improvements
Goddard, 1999	No control group	Randomized controlled trial
Miwa, 2000	Symptom assessed 12 weeks after <i>H. pylori</i> eradication	12 months after <i>H. pylori</i> eradication
Chiba, 2002	Patients with uninvestigated dyspepsia	Dyspepsia investigated by endoscopy
Alizadeh-Naeni, 2002	Symptom assessed 3 months after <i>H. pylori</i> eradication	12 months after <i>H. pylori</i> eradication
Koelz, 2003	Symptom assessed 6 months after <i>H. pylori</i> eradication	12 months after <i>H. pylori</i> eradication
Varasa, 2008	Changes of dyspeptic symptom scores in each groups were presented.	Number of patients who showed symptom improvements
Lan, 2011	Symptom assessed 3 months after <i>H. pylori</i> eradication	12 months after <i>H. pylori</i> eradication

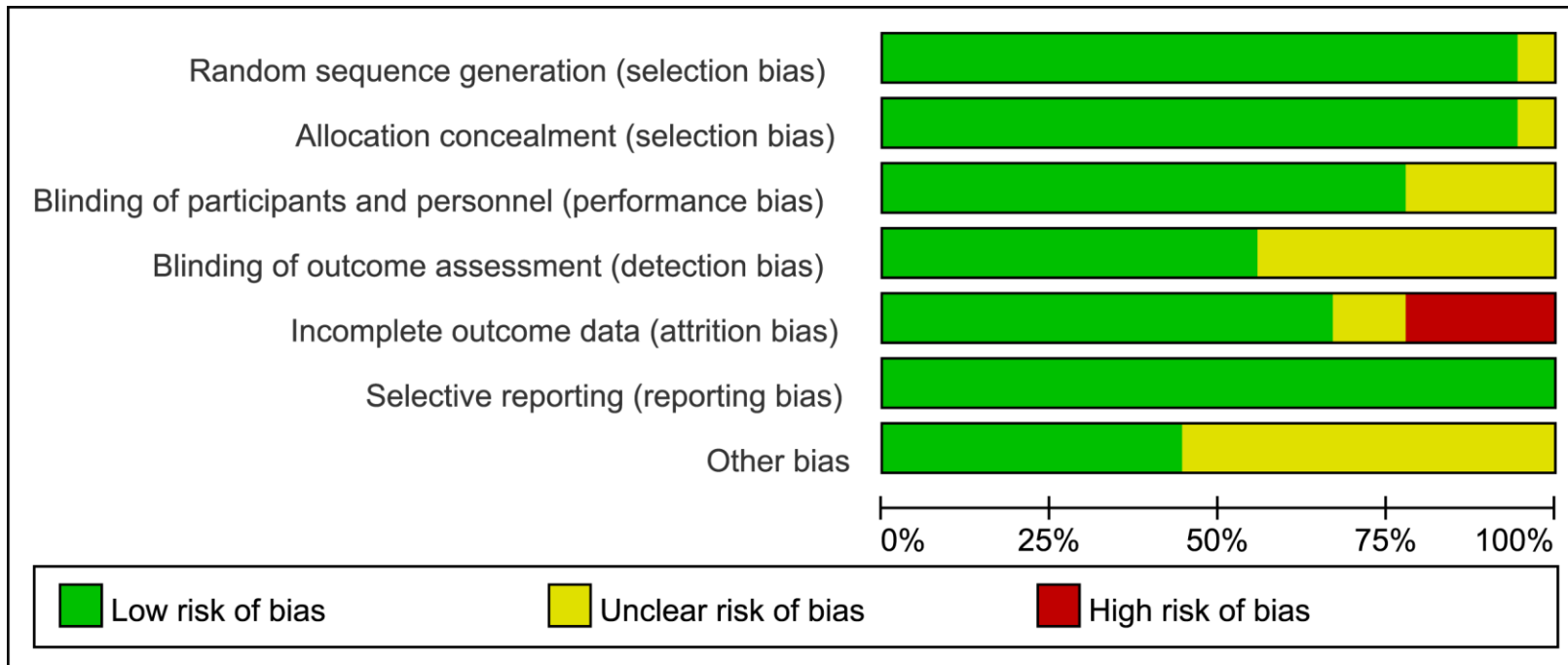


Figure S1. Summary of risk bias.

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Ang 2006	+	+	+	?	+	+	?
Blum 1998	+	+	?	?	-	+	?
Froehlich 2001	+	+	?	?	+	+	?
Gisbert 2004	+	?	?	?	+	+	?
Gwee 2009	+	+	+	+	?	+	+
Hsu 2001	+	+	+	+	+	+	+
Koskenpato 2001	+	+	+	+	+	+	+
Malfertheiner 2003	+	+	+	+	-	+	+
Mazzoleni 2006	+	+	+	+	+	+	?
Mazzoleni 2011	+	+	+	+	+	+	+
McColl 1998	+	+	+	?	+	+	?
Sodhi 2013	+	+	+	+	-	+	?
Talley 1999	+	+	+	?	+	+	+
Talley 1999 (ORCHID)	?	+	+	?	-	+	?
Varannes 2001	+	+	?	?	+	+	?
Xu 2013	+	+	+	+	?	+	?
Yazdanbod 2015	+	+	+	+	+	+	+
Zanten 2003	+	+	+	+	+	+	+

Figure S2. Risk of bias graph of each study.

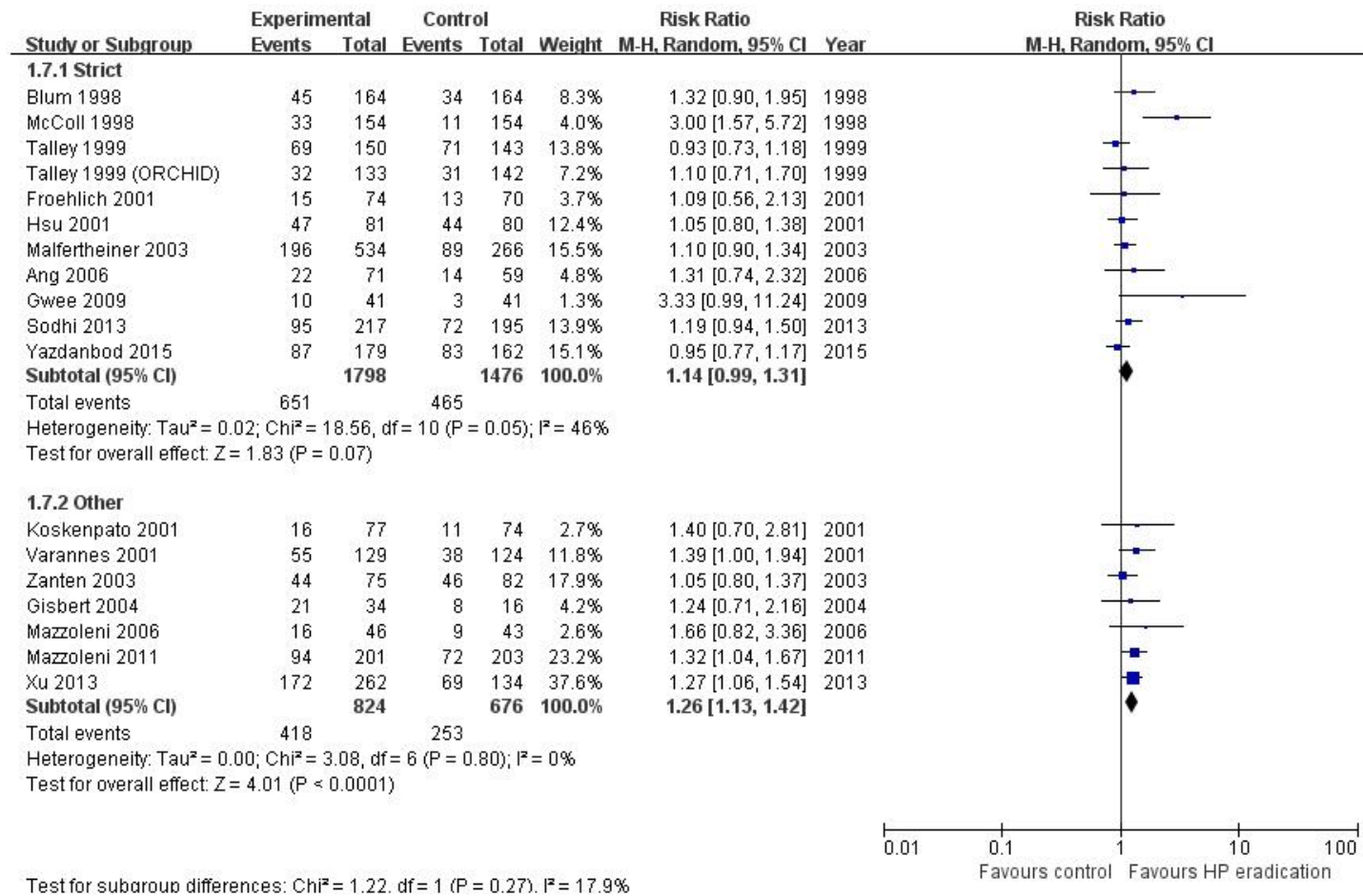


Figure S3. Subgroup analysis by degree of response for the effect of eradication. 1.7.1 Strict: Treatment success was defined as no or minimal dyspeptic symptoms, 1.7.2 Other: treatment success was defined as decrease or reduction of symptom score compared with baseline. CI: confidence interval.

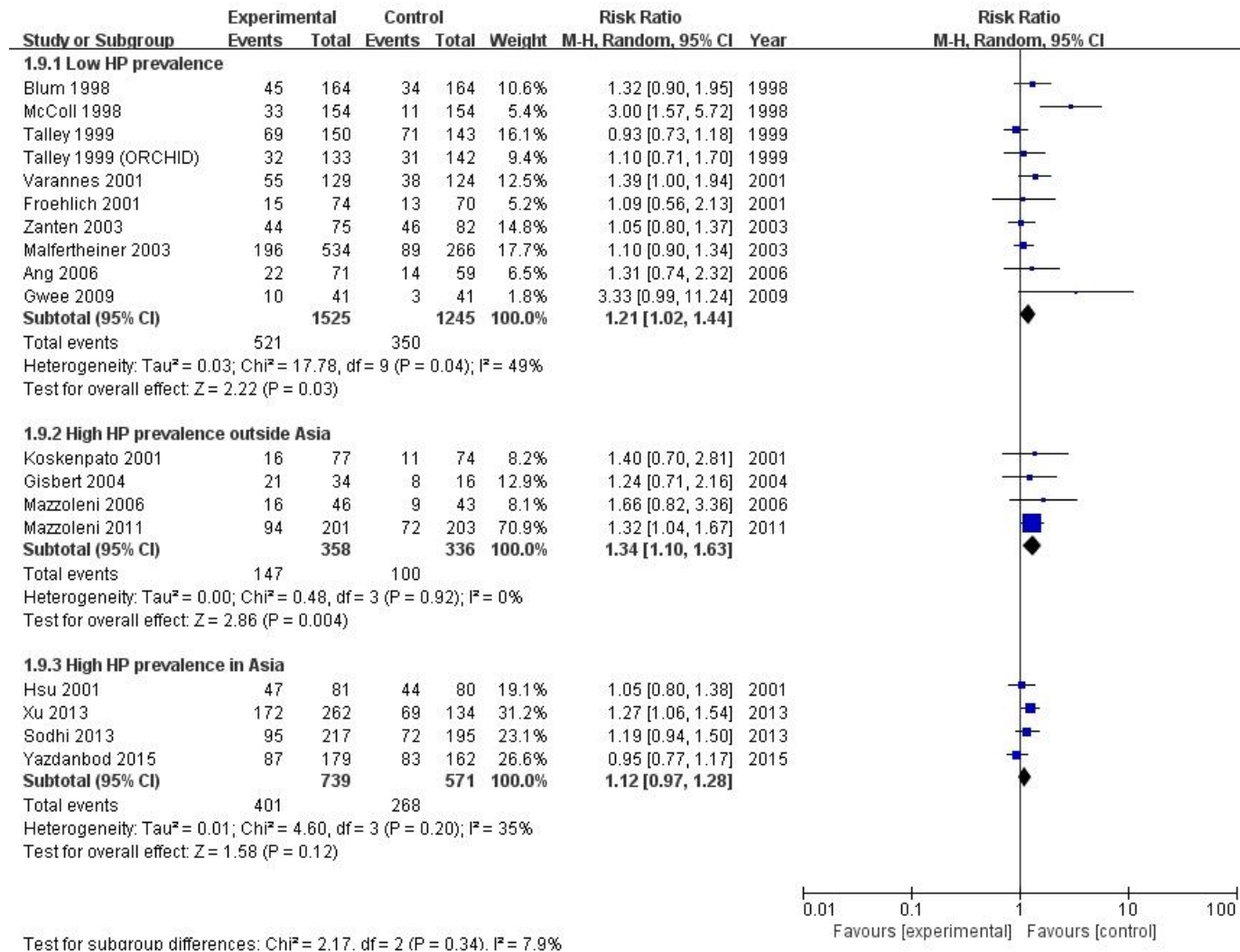


Figure S4. Subgroup analysis by *H. pylori* prevalence and geographical regions. 1.9.1 Low-prevalence region, 1.9.2 High-prevalence region outside Asia, 1.9.3 High-prevalence region in Asia. CI: confidence interval.