

Table 2.20. Meta analysis of *helicobacter pylori* infection and colorectal cancer

Reference, study location and period	Characteristics of cases	Characteristics of controls	Detection method	Exposure categories	No. of exposed cases	Relative risk* (95% CI)	Adjusted potential confounders	Comments
Zumkeller <i>et al</i> (2006) 11 studies published 1991-2002 USA,UK, Italy, Germany, Israel, Poland, Finland	Diagnosis of colorectal adenoma or carcinoma was confirmed histologically in 9 studies, 2 studies had no information of histologic confirmation. 899 colorectal carcinoma cases and 98 adenoma cases 997 total cases.	1476 controls	Serology in 10 studies, ¹⁴ C-urea in 1 study.	<i>H.pylori</i> + or <i>CagA</i> +	666	Summary 1.4(1.1-1.8) Prospective (2 studies nested case control) 1.0(0.8-1.4) Retrospective (9 studies) 1.6(1.2-2.1)	Varied among 11 studies.	Articles published in English only; did not include studies based on published abstract only. In metaregression difference between prospective and retrospective studies. (p=0.08). Adenomas and carcinomas combined in analysis.