

Table 2.43. Meta-analyses of consumption of alcoholic beverages and breast cancer by receptor status

Reference, study location, period	Characteristics of cases	Characteristics of controls	Exposure assessment	Exposure categories	Relative risk (95% CI)	Relative risk (95% CI)	Adjustment factors	Comments
Suzuki <i>et al.</i> (2008) Meta-analysis of 16 case-control studies and 3 cohort studies	Varied	Varied	Varied	Alcohol intake	<i>ER+</i> (4 cohort and 12 case-control studies)	<i>ER-</i> (4 cohort and 12 case-control studies)	Varied	Significant heterogeneity between all <i>ER+</i> versus <i>ER-/PR-</i> tumours; higher estimates in studies that had adjusted for hormone-replacement therapy use, body mass index, or family history, but no difference with adjustment for menopausal status; higher risk estimates in case-control studies that used population-based controls versus non population-based controls
				Per 10 g/d	1.12 (1.08–1.15)	1.07 (1.00–1.14)		
				Per 10 g/d	<i>ER+/PR+</i> (3 cohort and 9 case-control studies) 1.11 (1.07–1.14)	<i>ER-/PR-</i> (3 cohort and 9 case-control studies) 1.04 (0.98–1.09)		
				Per 10 g/d	<i>ER+/PR-</i> (3 cohort and 5 case-control studies) 1.15 (1.02–1.30)	<i>ER-/PR+</i> (2 cohort and 3 case-control studies) 1.04 (0.76–1.43)		