

Table 2.61. Case-control studies of active smoking and risk of breast cancer: smoking initiation relative to first birth

Study	Cases/controls	Timing of initiation relative to first birth	OR (95% CI)
<i>Incidence</i>			
Adami <i>et al.</i> (1988)	266/312	Never smoker	1.0 (ref)
	41/55	<5 years before	1.0 (0.6-1.6)
	38/64	5-9 years before	0.7 (0.4-1.1)
	18/23	>10 years before	0.7 (0.3-1.4)
Lash & Aschengrau (1999) (ever)	40/139	Nonsmoker	1.0 (ref)
	7/6	Only before	5.6 (1.5-21.0)
	63/110	Only after	2.1 (1.1-4.0)
	57/175	Before and after	1.1 (0.6-2.0)
Innes & Byers (2001)	669/282	Nonsmoker	1.0 (ref)
	63/28	Smoked during pregnancy	3.0 (1.3-7.2)
Band <i>et al.</i> (2002) (ever) (premenopausal)	128/166	Nonsmoker	1.00 (ref)
	146/131	Before	1.51 (1.07-2.13)
	11/18	After	0.83 (0.38-1.86)
Band <i>et al.</i> (2002) (ever) (postmenopausal)	315/304	Nonsmoker	1.00 (ref)
	268/267	Before	0.97 (0.77-1.23)
	44/63	After	0.63 (0.41-0.96)
Kropp & Chang-Claude (2002) (ever)	37/114	Nonsmoker	1.00 (ref)
	27/94	Before	0.92 (0.52-1.65)
	30/57	After	1.64 (0.90-2.97)
	159/355	Before and after	1.32 (0.86-2.03)
Lash & Aschengrau (2002) (ever)	80/53	Nonsmoker	1.00 (ref)
	21/20	Only before	0.73 (0.42-1.3)
	196/205	Before and after	0.69 (0.49-0.96)
	59/70	Only after	0.66 (0.42-1.0)
	78/65	Never pregnant	0.82 (0.48-1.4)
Fink & Lash (2003) (ever)	1449/4296	Nonsmoker	1.0 (ref)
	215/668	During pregnancy	1.0 (0.81-1.2)
Li <i>et al.</i> (2005b) (ever)	399/461	Nonsmoker (parous)	1.0 (ref)
	178/154	<5 years before	1.3 (1.0-1.7)
	187/170	≥5 years before	1.2 (1.0-1.6)
	94/91	Only after	1.1 (0.8-1.5)
Lissowska <i>et al.</i> (2006)	1034/1162	Nonsmoker	1.00 (ref)
	839/819	Before	1.14 (0.98-1.32)
	273/335	After	1.06 (0.87-1.29)

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Magnusson <i>et al.</i> (2007) (current)	1526/1453	Nonsmoker	1.0 (ref)
	284/223	Before	1.2 (0.9–1.4)
	196/204	Around same time	1.0 (0.8–1.2)
	89/99	After	1.0 (0.7–1.4)
Magnusson <i>et al.</i> (2007) (former)	1526/1453	Nonsmoker	1.0 (ref)
	289/260	Before	1.0 (0.8–1.2)
	157/159	Around same time	1.0 (0.8–1.3)
	72/63	After	1.3 (0.9–1.9)
Prescott <i>et al.</i> (2007) (ever)	993/261	Nonsmoker	1.00 (ref)
	350/92	≤10 yrs before	0.95 (0.71–1.27)
	337/76	>10 yrs before	1.03 (0.75–1.43)
	50/12	After	0.97 (0.48–1.95)
Rollison <i>et al.</i> (2008) (ever)		Yrs smoked prior	
	108/138	Nonsmoker	1.00 (ref)
	38/36	<5 yrs duration	1.25 (0.73–2.13)
	59/55	5–9 yrs duration	1.37 (0.87–2.16)
	12/27	10–14 yrs duration	0.69 (0.33–1.45)
	11/9	15–39 yrs duration	1.99 (0.76–5.18)
Slattery <i>et al.</i> (2008) (ever) (NonHispanic Whites) (premenopausal)	313/327	Nonsmoker	1.0 (ref)
	174/124	Before	1.4 (1.0–1.9)
	22/18	After	1.2 (0.6–2.4) p-trend=0.03
Slattery <i>et al.</i> (2008) (ever) (Hispanic/AI) (premenopausal)	232/232	Nonsmoker	1.1 (0.8–1.7)
	74/68	Before	1.0 (0.5–2.1)
	16/19	After	p-trend=0.56
Slattery <i>et al.</i> (2008) (ever) (NonHispanic Whites) (postmenopausal)	516/599	Nonsmoker	1.0 (ref)
	334/371	Before	1.0 (0.8–1.3)
	71/81	After	1.0 (0.7–1.4) p-trend=0.83
Slattery <i>et al.</i> (2008) (ever) (Hispanic/AI) (postmenopausal)	287/355	Nonsmoker	1.0 (ref)
	105/142	Before	0.9 (0.7–1.2)
	51/58	After	1.2 (0.8–1.8) p-trend=0.66
Young <i>et al.</i> (2009) (ever)	1087/1231	Nonsmoker (parous)	1.00 (ref)
	1132/1130	>5 yrs before	1.16 (1.04–1.31)
	677/788	≤5 yrs before	0.96 (0.84–1.09)
	254/219	After	1.24 (1.02–1.52)