

Table 2.76. Case-control studies on smoking and ovarian cancer: main characteristics of study design

Reference Country and years of study	Type	Mucinous (Y/N)	Cases and controls	Criteria for eligibility
Baker <i>et al.</i> (2006) USA 1982-1998			434 cases 868 controls	Hospital-based study Cases selected from recipients of medical services at RPCI, NY, for primary epithelial ovarian, peritoneal and fallopian cancers Controls selected from recipients of medical services at RPCI, NY for non neoplastic conditions Frequency matching with respect to age, residence Questionnaire filled: Patient Epidemiology Data Systems covering information on tobacco and alcohol use, family history of cancer, occupational and environmental exposures, reproductive and medical history, and diet
Baron <i>et al.</i> (1986) 1957-1965			296 cases and 2128 controls	Hospital-based study Cases selected from recipients of medical services at RPCI, NY, 40-89 breast, endometrial, cervical ovarian cancers Controls selected from recipients of medical services at RPCI, NY for non respiratory, circulatory conditions Questionnaire filled
Fujita <i>et al.</i> (2008) Japan 1997-2003			141 cases 2016	Hospital based Cases females 30+ with invasive cancer (in situ excluded) who responded to self-administered questionnaire at admission on lifestyle Controls selected from patients with no cancer history (includes patient with benign tumours)
Goodman <i>et al.</i> (2001) Hawaii 1993-1999	Epithelial	UNK	129 cases 144 controls	Population-based Patients with histologically confirmed epithelial cancer diagnosed, ages 18-84 Controls identified through responders to the Health Surveillance Program of the Dept of Health and women 65+, HCFA participants Matched by age group and ethnicity
Goodman & Tung (2003) USA- Hawaii + Los Angeles 1993-1999	Epithelial	Y (serous, mucinous, endometrioid)	558 cases 607 controls	Population-based Cases identified through the Hawaii SEER program (population based registry), 18+ Controls selected from lists of responders to the Health Surveillance Program of the Dept of Health Matched by age, ethnicity and study location Structured in-person interview conducted
Green <i>et al.</i> (2001) Australia 1990-1993	Epithelial	Y	794 cases 855 controls	Population-based Cases from histologically confirmed Controls from electoral rolls Face-to- face interviews conducted
Hartge <i>et al.</i> (1989) Full text missing			296 cases 343 controls	Hospital-based

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Huusom <i>et al.</i> (2006) Denmark 1995-1999	Borderline	Y (serous, mucinous, endometrioid, papillary, clear cell)	202 cases 1564 controls	Population-based Cases : women 35-79 with borderline ovarian tumours Controls identified through population register, in the same study area Frequency matching by age group Personal interviews conducted
Kuper <i>et al.</i> (2000b) USA 1992-1997	epithelial		549 cases 516 controls	Population-based Cases identified through cancer registry and tumour boards Controls identified through random digit dialling in the study area In-person interviews conducted
Kurian <i>et al.</i> (2005)	epithelial (invasive)	Y (serous, mucinous, endometrioid., clear cell)	1845 cases 7484 controls	Pooled analysis of 10 cases control studies
Lurie <i>et al.</i> (2008) USA 1993-2006		Y	274 cases 452 controls	Population-based Cases among histologically confirmed epithelial carcinomas in women 18+, from SEER registry Controls identified through responders to the Health Surveillance Program of the Dept of Health and women 65+ Matched by age, ethnicity In-person interview + blood samples Genotyping info included
Marchbanks <i>et al.</i> (2000) 1980-1982	Epithelial	Y (serous, mucinous, s, endometrioid, other)	447 cases 3868 controls	Multi-center, population-based Cases among women 20-54, identified through the SEER registries of various states Controls identified through random digit dialling in same areas Matching by study site and age group In person interviews, Pathology slides reviewed
Modugno <i>et al.</i> (2002) USA 1994-1998	Epithelial	Y (mucinous, non- mucinous)	767 cases 1367 controls	SHARE study, population-based (?) Cases among 20-69 year old women identified through 39 hospitals Controls Controls identified through random digit dialling + HCFA lists Frequency matching by age, race
Nagle <i>et al.</i> (2008) Australia	Endometrioid + clear cell	N	142 cases 1508 controls	Population-based Cases identified through cancer registries Controls identified through electoral rolls Frequency matching by age group, state of residence

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Newhouse <i>et al.</i> (1977) England		Y (papillary, serous, mucinous, s, endometrioid, other)	300 cases 300 controls -1 300 controls -2	Multi-center, hospital-based study Cases identified through hospitals Controls identified through hospital patients (Control group 1) and lists of patient of general practitioners in the same areas as cases (group 2)
Pan <i>et al.</i> (2004) Canada 1994-1997		Y (mucinous, non- mucinous)	442 cases 2135 controls	Population-based Cases from the national cancer surveillance system (registries), histologically confirmed cases Controls identified through lists of health insurance plans Frequency matching by age group, province Questionnaires sent out
Polychronopoulou <i>et al.</i> (1993) Greece 1989-1991	Epithelial (full text missing)		189 cases ?	Hospital-based Cases identified from operated women in 2 major Athens hospitals <75 yrs old, with histologically confirmed
Riman <i>et al.</i> (2004) Sweden 1993-1995	Epithelial	(serous, mucinous, endometrioid, clear cell, undifferentiated)	655 cases 3899 controls	Population-based Cases identified through regional cancer registries Controls randomly selected from a national population registry, ages 50-74 without malignancy history Self administered questionnaires mailed
Riopel <i>et al.</i> (1999) USA		Mucinous borderline		Not a CC – shouldn't be in this list Pathology re-evaluation of 190 mucinous borderline, mucinous carcinomas and metastatic mucinous tumours
Risch <i>et al.</i> (1996) Canada 1989-1992	Epithelial invasive and borderline	(serous, mucinous, endometrioid)	450 cases 564 controls	Population-based Cases identified through the cancer registry Controls identified through lists of the ministry of finance Frequency matching by age group (smoking not considered)
Rossing <i>et al.</i> (2008) USA 2002-2005	Borderline and invasive epithelial	Serous, mucinous, endometrioid, clear cell	812 cases 1313 controls	Population-based Cases identified through the state wide cancer registry Controls identified through random digit dialling Matching by age group and county In person interviews
Smith <i>et al.</i> (1984) USA 1980-1982	All ovarian cancers combined	N	58 cases 612 controls	Population-based Cases identified through the SEER cancer registries, ages 20-54 Controls identified Iowa Surveillance, Epidemiology, and End Results Cancer Registry Matching by age group Face-to-face interviews
Stockwell & Lyman (1987) USA	Full text missing		?	?

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Tzonou <i>et al.</i> (1984) Greece 1980-1981	Epithelial	N	155 cases 250 controls	Hospital based Cases among women operated for ovarian cancer Controls among women hospitalized for orthopaedic conditions Face to face interviews
Whittemore <i>et al.</i> (1988) USA 1983-1985	Epithelial	Full text missing	188 cases 539 controls	Population-based Cases diagnosed in the region Controls identified through random digit dialling
Zhang <i>et al.</i> (2004) USA 1976-2001	Epithelial only invasive	(serous, mucinous, endometrioid, other)	709 cases 951 controls	Hospital-based – multicenter Cases and controls selected from the CC Surveillance study in 4 US cities Face to face interview