RESEARCH RESULTS FOR

Risk of breast cancer in people with periodontal disease: a systematic review and meta-analysis

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Table S1 – Characteristics of the included studies

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Study	Country	Study design	Sample size (*n*)	Age (yrs)	Follow-up period (yrs)	PD assessment	BC assessment	Adjustments for confounding factors	Estimates (95% CI)
Arora et al.[36]	Sweden	Prospective cohort	8,372	38-77	27	Self-report	ICD	Age, number of siblings, employment, education, alcohol consumption, smoking status, partner's smoking status, BMI, and diabetes	HR 1.12 (0.75-1.68)
Chen et al.[24]	Taiwan	Case-control	303,780	Mean: 53	-	ICD-9-CM 523.3-523.5	ICD-9-CM 174	Charlson comorbidity index and urbanization level	OR 1.10 (1.08-1.12)
Chrysanthakopoulos et al.[43]	Greece	Case-control	420	45-78	-	Oral examination	Medical records	Age, education, socio-economic status, smoking status, and BMI	OR 1.787 (1.208-2.651)
Chung et al.[42]	Taiwan	Retrospective cohort	80,280	≥40	5	ICD-9-CM 523.4	ICD-9-CM 174, 175	Monthly income, geographic region, and diabetes	HR 1.23 (1.11-1.36)
Farhat et al.[27]	USA	Prospective cohort	77,541	30-55	14	Self-report	Self-report, medical records	Age, age at menarche, race, parity, menopausal status, breast cancer family history, alcohol consumption, BMI, physical activity, ever mammography, smoking status, pack years smoking, weight change, menopausal hormone therapy, and oral contraceptive use	HR 1.02 (0.94-1.10)
Freudenheim et al.[40]	USA	Prospective cohort	73,737	50-79	6.7	Self-report	ICD-O-2	Age, age at menarche, age at first birth, race/ethnicity, education, menopause, hormone use, parity, alcohol consumption, NSAIDs use, BMI, physical activity, smoking status, and pack years smoking	HR 1.11 (1.00-1.23)
Han[37]	South Korea	Prospective cohort	1,975	≥19	2	CPI score	Self-report	Age, household income, education, smoking status, alcohol intake, pulmonary tuberculosis, dyslipidemia, hypertension, myocardial infarction, asthma, angina pectoris, stroke, osteoarthritis, rheumatoid arthritis, diabetes, kidney failure, thyroid disease, hepatitis B and C, and liver cirrhosis	OR 1.56 (0.79-3.06)
Heikkilä et al.[28]	Finland	Retrospective cohort	40,093	≥29	10	Medical records	ICD-O-3 C50	Calendar time, age, socio-economic status, and diabetes	RR 1.19 (0.66-2.12)
Hujoel et al.[38]	USA	Prospective cohort	6,862	25-74	10	ICD-9	ICD-9 174.0-174.9	Age	OR 1.32 (0.74-2.38)
Jia et al.[29]	USA	Prospective cohort	49,968	35-74	9.3	Self-report	Medical records (ICD-10) and self-report	Age, age at first birth, race/ethnicity, education level, smoking status, menopausal status, BMI x menopause, menopausal hormone therapy, antibiotics use, tamoxifen use, physical activity, and BMI	HR 1.02 (0.94-1.11)

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Mai et al.[39]	USA	Prospective cohort	1,337	53-85	12.2	Radiographic alveolar crestal bone height	Medical records	Age at visit and pack-years smoking	HR 1.06 (0.70-1.61)
Michaud et al.[25]	USA	Prospective cohort	4,088	44-66	14.7	CDC-AAP criteria	Medical records	Age, education, smoking status and duration, alcohol consumption, field center, BMI, and diabetes	HR 1.27 (1.09-1.47)
Sfreddo et al.[44]	Brazil	Case-control	201	Mean: 55 (case), 55 (control)	-	CDC-AAP criteria	ICD-10 C50	Age, total breastfeeding time, parity, BMI, and hormonal replacement therapy	OR 2.72 (1.18-6.27)
Söder et al.[41]	Sweden	Prospective cohort	3,273	30-40	16	Oral examination	ICD-7, ICD-9, ICD-10	Age, income, education, socio-economic status, dental visits, and smoking status	OR 13.08 (3.09-55.32)
Sun et al.[26]	Taiwan	Retrospective cohort	164,292	≥20	12	ICD-9-CM 523.4-523.5, ICD-10-CM K05.30	ICD-9-CM 174, ICD-10-CM C50	Age, urbanization level, income, diabetes, hypertension, hyperlipidemia, coronary artery disease, congestive heart failure, and chronic obstructive pulmonary disease	HR 1.51 (1.43-1.60)