Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Squamous cell co	arcinoma of the conjun	ctiva						
Napora <i>et al.</i> (1990), USA, 1981–1987	19 patients with conjunctival intraepithelial neoplasia selected from the Cornea Service, Wills Eye Hospital; aged 52– 82 years; participation rate 90%; 100% histologically confirmed	19 controls without conjunctival intraepithelial neoplasia selected from the Cornea Service, Wills Eye Hospital; matched by age and sex; 51–80 years; participation rate not provided	Self- administered questionnaire and slit lamp examination	Conjunctival intraepithelial neoplasia	Occupation Not office work Office work	1.00 0.21 (0.04-0.99)	None	95% CI calculated from tabulated data in paper

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for Comments potential confounders
Lee <i>et al.</i> (1994), Brisbane, Australia, 1972–1991	60 patients (73% M) with epithelial dysplasia, carcinoma in situ, or squamous cell carcinoma of the cornea or conjunctiva were identified from pathology laboratories in Brisbane; aged 22–80 years; participation rate 40%; 100% histologically confirmed	60 controls selected from wards of the Prince Alexandra Hospital, Brisbane; matched by age (within 3 years) and sex; aged 20– 80 years; participation and response rate not provided. Patients with a history of ocular surface epithelial dysplasia or those currently receiving treatment for UV-related diseases were excluded.	Self- administered questionnaire	Epithelial dysplasia, carcinoma in situ, or squamous cell carcinoma of the cornea or conjunctiva	History of skin cancers None Age, 50yrs or later Before 50yrs of age History of solar keratoses None Age, 50yrs or later Before 50yrs of age Latitude of residence at specified ages 0-5 yrs > 30 degrees 20-29yrs > 50% At $20-29$ years of age < 50% > 50%	1.0 3.5 $(0.7-16.9)$ 15 $(2.0-113.6)$ 1.0 7.7 $(1.2-47.8)$ 10.8 $(2.2-50.0)$ 1.0 1.9 $(0.8-4.4)$ 1.0 3.0 $(1.0-9.3)$ 1.0 2.2 $(0.6-8.3)$ 3.9 $(1.0-14.8)$ 1.0 2.7 $(1.1-6.5)$ 1.0 0.8 $(0.4-2.0)$	Age

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Lee <i>et al</i> .					Cumulative exposure			
(1994) (contd)					outdoors at $> 50\%$ time			
					0-30yrs	1.0		
					31–49yrs	1.2 (0.4–3.3)		
					≥ 50yrs	2.2(0.7-7.1)		
					Latitude and proportion	,		
					of time spent outdoors			
					0–6yrs of age			
					> 30 degrees	1.0		
					$\leq$ 30 degrees, $\leq$ 50% time	1.7 (0.6–4.7)		
					outdoors			
					$\leq$ 30 degrees, $>$ 50% time	7.5 (1.8–30.6)		
					outdoors			
					7–12yrs of age			
					> 30 degrees	1.0		
					$\leq$ 30 degrees, $\leq$ 50% time	2.5 (0.8–7.5)		
					outdoors			
					$\leq$ 30 degrees, $>$ 50% time	3.7 (1.1–12.7)		
					outdoors			
					13–19yrs of age			
					> 30 degrees	1.0		
					$\leq$ 30 degrees, $\leq$ 50% time	2.7(0.8–9.1)		
					outdoors			
					$\leq$ 30 degrees, $>$ 50% time	2.9 (0.9–9.4)		
					outdoors			
					20–29yrs of age			
					> 30 degrees	1.0		
					$\leq$ 30 degrees, $\leq$ 50% time	3.3 (0.8–9.4)		
					outdoors			
					$\leq$ 30 degrees, $>$ 50% time	5.4 (1.3–22.2)		
					outdoors			

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Newton <i>et al.</i> (2002), Uganda, 1991– 1998	60 (26 M, 34 W) conjunctival cancer patients identified from all the wards and out- patient clinics of the four main hospitals in Kampala, Uganda; ≥ 15 years; participation rate 100%; 100% histologically confirmed	1214 controls who included men and women with cancers of the oral cavity (57), oesophagus (150), stomach (74), liver (103), breast (178), ovary (67), prostate (56), and other cancer sites or types (405), and with a provisional diagnosis of cancer (124); participation and response rate not provided	Interviewer- administered questionnaire	Conjunctival squamous cell carcinoma	Time spend cultivating (hrs per wk) 0–9 10–19 20+	1.0 1.9 2.4 (p trend = 0.05)	Age, sex, HIV-1 sero-status, personal income, and region of residence	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Tulvatana <i>et al</i> . (2003), Bangkok, Thailand, 1995–2000	30 consecutive pathological specimens (15 M, 15 W) of conjunctival intraepithelial neoplasia, carcinoma in situ and invasive squamous cell carcinoma retrieved from tissue archives at one hospital; aged 21–84 years; participation rate 100%; 100% histologically confirmed	30 controls without conjunctival neoplasm and undergoing extracapsular cataract extraction at the same hospital as cases were treated; matched by age and sex; participation rate 100%	Two pathologists studied H & E stained, paraffin embedded conjunctival tissue. Elastin stain for solar elastosis was blindly interpreted in comparison with negative and positive controls	Conjunctival intraepithelial neoplasia, carcinoma in situ, and invasive squamous cell carcinoma	Solar elastosis present in conjunctiva No Yes	1 16.0 (2.49–670.96)	Age	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Ocular melanom	a							
Gallagher <i>et al.</i> (1985), Canada, 1979–1981	65 cases of newly diagnosed ocular melanoma from the cancer registries of four Canadian provinces (British Columbia, Alberta, Saskatchewan, and Manitoba); 20–79 years; participation rate 75%;	65 controls selected at random from provincial medical insurance plan lists of subscribers; matched by sex and age (± 2 years); participation rate 48%	Interviewer- administered questionnaire	Ocular melanoma	"Government workers" (a predominantly indoor, managerial group) No Yes	1.0 3.5 ( <i>P</i> = 0.006)	None specified	The following statements were made about associations: "No association was found between ocular melanoma and total sunlight exposure, either as cumulative lifetime dose or dose over the decade before diagnosis. The three component measures of sunlight dose – occupational, recreational, and vacation exposure – were examined separately, and no relationship was found with ocular melanoma." "No significant differences were found between ocular melanoma cases and controls for latitude of residence, over their lifetimes, over the decade before diagnosis, or at diagnosis."

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
& period Tucker <i>et al.</i> (1985), USA, 1974–1979	444 consecutive patients with melanoma of the uveal tract (iris, ciliary body, and choroid) diagnosed at the Wills Eye Hospital; participation rate 89%; 57% histologically confirmed	424 controls were patients with detached retinas not due to tumours, who were seen at Wills Eye Hospital; matched by age, sex, race, and date of diagnosis; participation rate 85%	Telephone interview	Uveal tract melanoma	Sunlamp use Never Rarely Occasionally Frequently Sunbathing Never Rarely Occasionally Frequently Eye protection in sun Almost always Occasionally Rarely Never Outdoor leisure time None, very little Some Great deal Gardening No Yes Increased sun exposure during vacations Never Rarely Sometimes Frequently Years lived in south	1.0 1.3 $(0.8-2.3)$ 1.3 $(0.5-3.6)$ 2.1 $(0.3-17.9)$ 1.0 1.4 $(0.9-2.2)$ 1.4 $(0.9-2.1)$ 1.5 $(0.9-2.3)$ 1.0 1.5 $(1.02-2.2)$ 1.9 $(1.2-3.2)$ 1.4 $(0.9-2.3)$ 1.0 0.9 $(0.6-1.4)$ 1.1 $(0.7-1.6)$ 1.0 1.6 $(1.01-2.4)$ 1.0 1.1 $(0.7-1.8)$ 1.3 $(0.8-2.2)$ 1.5 $(0.97-2.3)$	Age, eye colour, and history of cataracts	
					No Yes	1.0 2.7 (1.3–5.9)		

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Holly <i>et al.</i> (1990), USA, 1978–1987	407 white patients with uveal melanoma selected from the Ocular Oncology Unit at the University of California San Francisco and residing in 11 western states; 20– 74 years; 93% participation rate; 100% histologically confirmed	870 white control subjects from the 11 western states where the patients resided were selected using random-digit dial telephone methods; matched by age and sex; participation rate 77%	Structured telephone interview	Uveal tract melanoma	Vacation outdoors in sunny climate No Some Most of the time Leisure time indoors or outdoors Mostly indoors 50% indoors/50% outdoors Mostly outdoors <i>Exposure to UV or black</i> lights No Yes Welding burn, sunburn to eye, or snow blindness No Yes	1.0 1.04 (0.64–1.70) 0.84 (0.59–1.20) 1.0 0.57 (0.37–0.88) 0.79 (0.59–1.04) 1.0 3.69 (1.57–8.70) 1.0 7.17 (2.50–20.57)	Eye colour, coffee, effect of 0.5 hour sun exposure on skin, leisure time, exposure to UV or black lights, history of snow blindness and eye burns, and age	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Seddon <i>et al.</i> (1990), Massachusetts, USA, 1984– 1987	Two series of cases and controls were included. Series 1: 197 white New England residents with uveal melanoma. Subjects were referred to the Massachusetts Eye and Ear Infirmary (MEEI) for treatment, indentified after enucleation in the MEEI pathology laboratory, or identified by biannual mailings to ophthalmologists in all the New England states; 18–88 years; participation rate 92%, 100% clinically or histologically confirmed	385 population- based controls selected by random-digit dialling; matched by sex and age; 19–88 years; participation rate 85%.	Structured telephone interview	Uveal melanoma	<b>Case-control series 1</b> <i>Birthplace</i> N of lat 40° S of lat 40° <i>Cumulative years of</i> <i>residence S of lat 40°</i> 0 > 0–5 > 5 <i>Cumulative sunlight score</i> Low Medium High <i>Cumulative intense sun</i> <i>Exposure (years)</i> 0 1–40 > 40	1.0 0.2 (0.0–0.7) 1.0 2.4 (1.4–4.3) 2.8(1.1–6.9) 1.0 1.3 (0.8–2.2) 1.0 (0.5–1.9) 1.0 0.8 (0.5–1.5) 1.7 (0.9–3.0)	Age. eye and skin colour, moles, ancestry, use of sunlamps, eye protection, outside work, fluorescent lighting, southern residence, and years of intense sun exposure	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Seddon et al.					Amount outside work 15yrs			
(1990) (contd)					ago			
					Minimal	1.0		
					Not working	1.0 (0.6–1.8)		
					Moderate	0.5 (0.2–1.1)		
					High	0.6 (0.3–1.4)		
					Fluorescent lighting hrs per			
					week			
					0	1.0		
					1–39	0.9 (0.6–1.5)		
					> 39	1.2 (0.6–2.1)		
					Welding arcs			
					No	1.0		
					Yes	1.3 (0.5–3.1)		
					Outdoor hobbies, times per			
					year 15 yrs ago			
					0	1.0		
					1–9	1.5 (0.7–3.4)		
					> 9	0.7 (0.4–1.4)		
					Sunbathing, times per year			
					15 yrs ago			
					0	1.0		
					1–9	1.1 (0.7–2.0)		
					> 9	0.7 (0.4–1.2)		
					Sunglasses or visor 15 yrs			
					ago			
					Almost always	1.0		
					Occasionally	0.8 (0.5–1.5)		
					Rarely, never	1.1 (0.6–1.7)		
					Years used glasses or			
					contact lenses most of			
					waking hours			
					15+	1.0		
					1–14	0.9 (0.4–2.0)		
					0	0.6 (0.4–1.0)		

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Seddon <i>et al.</i> (1990) (contd)	Series 2: 337 white US residents with uveal melanoma and living siblings referred to MEEI for treatment or pathology evaluation; 18 – 88 years; 87% participation rate; 100% clinically or histologically confirmed	800 sibling controls selected; those of the same gender as, or closest in age to, the case were chosen when more than four siblings were identified; 97% participation rate			Case-control series 2 Cumulative intense sun Exposure (years) 0 1-40 > 40 Amount outside work 15yrs ago Minimal Not working Moderate High Fluorescent lighting hrs per week 0 1-39 > 39 Welding arcs No Yes Outdoor hobbies, times per year 15 yrs ago 0 1-9 > 9 Sunbathing, times per year 15 yrs ago 0 1-9 > 9 Sunbathing, times per year 15 yrs ago 0 1-9 > 9 Sunbathing, times per year 15 yrs ago 0 1-9 > 9 Sunglasses or visor 15 yrs ago Almost always Occasionally Rarely, never	1.0 1.5 $(1.0-2.2)$ 2.1 $(1.4-3.2)$ 1.0 0.9 $(0.6-1.3)$ 0.8 $(0.5-1.3)$ 0.4 $(0.2-0.8)$ 1.0 1.1 $(0.8-1.6)$ 1.7 $(1.1-2.5)$ 1.0 0.9 $(0.6-1.5)$ 0.7 $(0.5-1.1)$ 1.0 1.0 0.9 $(0.7-1.4)$ 0.8 $(0.5-1.2)$ 1.0 1.0 $(0.7-1.4)$ 1.4 $(1.0-2.0)$		

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for Comments potential confounders
Seddon <i>et al.</i> (1990) (contd)					Years used glasses or contact lenses most of waking hours 15+ 1–14 0	1.0 0.8 (0.5–1.4) 0.8 (0.6–1.1)	
van Hees <i>et al.</i> (1994), the Netherlands, 1990–1992	Cases were 109 (47 M, 62 F) patients with melanoma of the uveal tract who had consecutively visited the opthamologoy department of Leiden University Hospital; age 30– 89 years; participation rate 98%; number histologically confirmed not provided	149 (57 M, 92 F) controls selected from three sources: patients attending the opthamology out- or inpatient department for reasons other than melanoma, patients attending several general practitioner clinics in the area, and attending the dermatology clinic for reason other than pigmented lesions; participation rate not provided	Interviewer- administered questionnaire and skin examination	Uveal melnoma	Excessive sun exposure < 15 years of age No Yes Excessive sun exposure sun > 15 years of age No Yes Blistering sunburn < 15 years of age No Yes Blistering sunburn > 15 years of age No Yes Actinic skin damage Normal for age More than normal	1.0 $1.5 (0.5-4.2)$ $1.0$ $0.6 (0.4-4.3)$ $1.0$ $0.5 (0.2-1.0)$ $1.0$ $0.6 (0.4-1.2)$ $1.0$ $1.1 (0.5-2.2)$	Age and sex

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Holly <i>et al.</i> (1996), USA, 1978–1987	Cases were 221 white male patients diagnosed with uveal melanoma at the Ocular Unit of the University of California San Francisco or patients referred there for treatment; age 20– 74 years; participation rate 93%; 100% histologically confirmed	447 white males who lived in the same geographic area selected by random digit dialling; matched by 5- year age group; participation rate 77%	Interviewer- administered questionnaire	Uveal melanoma	Occupation Sailors, ship officers, or fishermen Never Ever ≤ 5 yrs exposed ≥ 6 yrs exposed Welders/welding Never Ever ≤ 1 yrs exposed 2–10 yrs exposed 2–10 yrs exposed Labourers Never Ever Agricultural occupations Never Ever Constructions occupations Never Ever Ever	1.0 3.0 $(1.2-7.8)$ 3.4 $((0.98-12.0)$ 2.7 $(0.60-12.2)$ 1.0 2.2 $(1.3-3.5)$ 2.2 $(0.70-7.0)$ 1.8 $(0.88-3.6)$ 1.9 $(1.0-3.6)$ 1.0 0.98 $(0.63-1.5)$ 1.0 1.2 $(0.74-1.9)$ 1.0 1.3 $(0.81-2.0)$	Age, number of large nevi, eye colour, tanning, or burning, response to ½ hour sun exposure in the summer noonday sun	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Pane and Hirst (2000), Queensland, Australia, 1972–1996	125 (69 M, 56 W) confirmed primary ocular melanomas selected from pathology laboratories in Queensland and the Queensland Cancer Registry; age 9–81 years; 65% participation rate; 98% histologically confirmed	375 controls randomly- selected by sequential dialing from a randomized list of Queensland residential phone numbers; matched by sex and age (within three years); participation rate not provided	Telephone interview	Ocular melanoma	Latitude born $\leq 20$ degrees 20-30 30-40 40-50 50+ Latitude most of life $\leq 20$ degrees 20-30 30-40 40-50 50+ History of skin cancers No Yes History of skin melanoma No Yes Painful sunburns Never Once 2-5 times 6 or more times Wearing of prescription sunglasses No Yes Sunglasses No Yes Frequency of wearing sunglasses Less than half the time About half the time More than half time All the time	$\begin{array}{c} 1.0\\ 1.25\ (0.62-2.55)\\ 0.76\ (0.33-1.73)\\ 0.28\ (0.06-1.42)\\ 1.09\ (0.44-2.67)\\ 1.0\\ 1.69\ (0.80-3.57)\\ 0.79\ (0.32-2.00)\\ 0.57\ (0.11-3.05)\\ 0.95\ (0.29-3.12)\\ 1.0\\ 1.52\ (0.99-2.35)\\ 1.0\\ 2.42\ (0.88-6.62)\\ 1.0\\ 1.35\ (0.73-2.48)\\ 1.62\ (0.95-2.78)\\ 0.78\ (0.40-1.52)\\ 1.0\\ 0.78\ (0.48-1.25)\\ 1.0\\ 1.00\ (0.64-1.56)\\ 1.0\\ 3.85\ (1.36-10.92)\\ 1.19\ (0.48-2.98)\\ 1.03\ (0.45-2.31)\\ \end{array}$	Residual age	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Pane and Hirst (2000) (contd)					Cumulative ocular UV-B exposure – Melbourne sun years $As \ a \ child$ $\leq 0.2850$ 0.2851-0.3105 > 0.3105 $As \ an \ adult$ $\leq 0.2850$ 0.2851-0.3105 > 0.3105 Lifetime $\leq 0.2850$ 0.2851-0.3105 > 0.3105 Lifetime $\leq 0.2850$ 0.2851-0.3105 > 0.3105	1.0 1.92 (0.92–3.98) 1.18 (0.74–1.87) 1.0 0.81 (0.47–1.41) 0.67 (0.37–1.19) 1.0 1.45 (0.83–2.51) 0.91 (0.50–1.65)		
Guénel <i>et al.</i> (2001), France, 1995–1996	Cases were 50 patients with uveal melanoma (29 M, 21 W) selected from a cancer registry; 35–70 years; participation rate 100%; number biotelogically	479 (321 M, 158 W) population- based controls randomly selected from electoral rolls; matched by age, gender	Face-to-face interview using a standardized questionnaire and exposure matrix	Uveal melanoma	Number of eye burns None One to five More than five Unknown <i>Occupation (men)</i> Agricultural workers or fishermen Electrical and electronics workers	1.0 0.9(0.3–2.7) 3.3 (1.1–9.6) - 0.5 (0.2–1.6) 1.6 (0.5–4.8)	Age	
	confirmed was not provided	participation rate 76%			Welders and sheet-metal workers Painters and construction workers <i>Cumulative exposure to</i> <i>solar UV radiation</i> Not exposed Exposure $<$ median <i>Cumulative exposure to</i> <i>artificial UV radiation</i> Not exposed Exposure $<$ median Exposure $<$ median Exposure $\ge$ median Exposure $\ge$ median	7.3 (2.6–20.1) 1.1 (0.4–3.1) 1.0 1.2 (0.5–2.8) 0.9 (0.4–2.3) 1.0 2.6 (0.5–12.4) 5.5 (1.8–17.2)	Age and gender	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Lutz <i>et al.</i> (2005), Denmark, Latvia, France, Germany, Italy, Sweden, Portugal, Spain, and United Kingdom, 1995–1996	292 (164 M, 128 W) incident cases of uveal melanoma identified via personal contacts to ophthalmology and pathology departments, or via manual or computerized hospital records or cancer registries; 35–69 years; participation rate 91%; number histologically confirmed not provided	2062 (1440 M, 622 W) population based controls; matched by region, sex, and five-year birth cohorts; participation rate 61%	Interviewer- administered questionnaire	Uveal melanoma	Occupational exposure to sunlight No Yes Yes by dose < median ≥ median Yes by sex Men Women Occupational groups with previously reported associations Seamen and fishermen Farmers Miners, etc stone cutters, etc Electrical fitters, broadcasting station workers, etc Welders and sheet metal workers Bricklayers, and other construction workers Occupational groups without previously reported associations Forestry workers, hunters and related workers Painters Other transport, labourers	1.0 1.24 $(0.88-1.74)$ 1.34 $(0.90-1.99)$ 1.10 $(0.68-1.79)$ 1.09 $(0.74-1.62)$ 1.83 $(0.94-6.41)$ 1.09 $(0.72-1.66)$ 1.05 $(0.36-3.10)$ 1.26 $(0.74-2.15)$ 1.95 $(1.08-3.52)$ 1.29 $(0.69-2.41)$ 1.28 $(0.47-3.47)$ 1.18 $(0.45-3.08)$ 0.60 $(0.32-1.11)$	Country, sex, and 5- year age group	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Vajdic <i>et al.</i> (2002), Australia, 1996–1998	290 primary ocular melanomas ascertained from ophthalmologists and population- based cancer registries in Australia; age 18– 79 years; participation 92%; 100% histopathologically or clinically confirmed	893 randomly selected from the Australia electoral roll; matched by age, sex and state; participation rate 67%	Self- administered questionnaire and a telephone interview	Melanomas originating in the choroid, ciliary body, iris and conjunctiva	Total hours of exposure on weekdays and weekends during the decade years 10, 20, 30 and 40 years of age 26.1-1,085 107.6-148.4 148.5-197.0 197.1-401 Total hours of exposure on weekdays during the decade years 10, 20, 30 and 40 years of age 0.0-40.0 40.0-74.0 74.0-132.8 132.8-355.0 Total hours of exposure on weekends during the decade years 10, 20, 30 and 40 years of age 4.0-42.4 42.4-60.0 60.0-80.6 80.6-253.0 Total lifetime occupational hours of exposure None 250-9,833 9 834-35 293 35 294-136 175 Total recreational hours of exposure since leaving school 0-4,454 4 455-11 726 24 289-131 452	1.0 $1.5 (1.0-2.4)$ $1.4 (0.9-2.2)$ $1.6 (1.0-2.6)$ $1.0$ $1.4 (0.9-2.1)$ $1.7 (1.1-2.6)$ $1.8 (1.1-2.8)$ $1.0$ $0.9 (0.6-1.4)$ $1.3 (0.9-2.0)$ $0.8 (0.5-1.3)$ $1.0$ $0.8 (0.5-1.2)$ $1.6 (1.0-2.4)$ $1.7 (1.1-2.8)$ $1.0$ $1.5 (1.0-2.2)$ $0.8 (0.5-1.3)$ $0.8 (0.5-1.3)$ $0.8 (0.5-1.3)$	Age, sex, place of birth, eye colour, ability to tan and squinting as a child	

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Vajdic et al.					Ambient UVB radiation from			
(2002) (contd)					birth to 9 years of age $(J/m2)$			
					10.44–29.20	1.0		
					29.21-33.32	0.7 (0.4–1.2)		
					33.33–36.86	0.5 (0.3–0.9)		
					36.87–55.45	0.8 (0.5–1.3)		
					Total lifetime ambient UVB			
					radiation (J/m2)			
					57.10-152.39	1.0		
					152.40–192.73	0.7 (0.4–1.1)		
					192.74–235.49	0.5 (0.3–0.9)		
					235.50-405.20	0.5 (0.2–0.9)		
					Latitude band at birth			
					(degrees)			
					> 36	1.0		
					30–36	0.8 (0.5–1.2)		
					< 30	1.2 (0.7–1.8)		
					Latitude band at diagnosis			
					(degrees)			
					> 36	1.0		
					30–36	0.9 (0.6–1.3)		
					< 30	0.9 (0.6–1.3)		
					Wore tinted or untinted			
					spectacles			
					No	1.0		
					Yes	0.9 (0.7–1.3)		
					First wore before 20 years of	0.6 (0.4–1.0)		
					age			
					First wore at 20 years of age	1.1 (0.8–1.5)		
					or after			

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Vajdic <i>et al.</i> (2002) (contd)					Men Unweighted occupational outdoor hours during the first four decade years of life None 1–1750 1751–3600 ≥ 3601 Ambient UVB-weighted (J/m2) occupational outdoor hours during the first four decade years of life None 0.1–9.7 9.8–33.0 ≥ 33.1 Ambient UVA-weighted (J/m2) occupational outdoor hours during the first four decade years of life None 0.1–481.3 4 81.4–1684 ≥ 1685.0 Women Unweighted occupational outdoor hours during the first four decade years of life None 1–1750 1751–3600 ≥ 3601	1.0 1.1 $(0.6-2.1)$ 2.3 $(1.3-3.9)$ 1.9 $(1.1-3.3)$ 1.0 1.5 $(0.8-2.7)$ 1.6 $(0.9-2.8)$ 2.2 $(1.3-3.9)$ 1.0 1.6 $(0.9-3.0)$ 1.6 $(0.9-2.9)$ 2.0 $(1.1-3.4)$ 1.0 0.6 $(0.3-1.3)$ 1.8 $(0.7-4.5)$ 2.4 $(0.6-10.0)$		

Reference, study location & period	Cases	Controls	Exposure assessment	Organ site (ICD code)	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Vajdic <i>et al.</i> (2002) (contd)					Ambient UVB-weighted (J/m2) occupational outdoor hours during the first four decade years of life None 0.1-9.7 $9.8-33.0 \ge 33.1$ Ambient UVA-weighted (J/m2) occupational outdoor hours during the first four decade years of life None 0.1-481.3 $481.4-1684 \ge 1685.0$	1.0 0.8 (0.4–1.6) 1.4 (0.5–4.0) 2.0 (0.5–8.7) 1.0 0.6 (0.3–1.3) 1.8 (0.7–4.6) 3.8 (0.6–24.8)		

Schmidt- 459 (243 M,	016 007 (45435					
Pokrzywniak <i>et</i> <i>al.</i> (2009), Germany, 2002–2005	<ul> <li>210 827 (454 M, 373 F)</li> <li>1 population- ses controls ough randomly ic selected from mandatory lists</li> <li>inics of residence that cover the -74 total</li> <li>se population of the city or rate local district; matched by age, sex and region; response rate 55%; participation rate not provided</li> </ul>	Self- administered postal questionnaire and computer- assisted telephone interview	Uveal melanoma	Ever worked outside > 4 hour/d No Yes Total lifetime occupational years of sun exposure 0 > $0-<5$ > $5-<15$ > $15$ Eye burns caused by welding, sunburn or snow blindness No Yes At least 5 eye burns caused by welding, sunburn or snow blindness No Yes At least 5 eye burns caused by welding, sunburn or snow blindness No Yes Wearing sunglasses or hats No Yes Regular sunlamp use No Yes Age at first sunlamp use Never used > $20$ y < $20$ y	1.0 $1.2 (0.9-1.6)$ $1.0$ $1.3 (0.9-1.9)$ $1.2 (0.7-2.0)$ $1.1 (0.8-1.7)$ $1.0$ $1.3 (0.9-1.9)$ $1.0$ $1.0$ $1.0 (1.0-3.4)$ $1.0$ $1.3 (0.9-1.8)$ $1.0$ $1.3 (0.9-1.9)$ $1.7 (0.8-3.6)$	Age, gender, and region