

**Table 2.13. Pooled analysis of the association between natural sunlight and non-Hodgkin lymphoma**

Reference, study location & period	Cases	Exposure assessment	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments	
Krickler <i>et al.</i> (2008) Australia, 1995–2005	8 243 cases and 9 697 controls of European origin from 10 studies in the USA, Europe and Australia	See individual studies for specific exposure assessments. The composite measures of total, recreational and non-recreational sun exposure were time-weighted averages of all relevant age and period-specific measurements in each study with additional imputed values where necessary to extend the lifetime coverage to 59 years of age.	<b>Total sun exposure</b>			Study centre, sex, age and measures of pigmentary characteristics and sun sensitivity. Socioeconomic status and alcohol and tobacco use were tested and found not to be confounding	Pooled meta-analysis of studies in the InterLymph collaboration. Studies included are: Hughes <i>et al.</i> (2004), Australia, 2000–2002; Hartge <i>et al.</i> (2006), USA, 1998–2000; Chiu <i>et al.</i> (2005), USA, 1999–2002; Mayo Clinic, Minnesota (unpublished), Zhang <i>et al.</i> (2007), USA, 1995–2001; British Columbia, Canada (unpublished), Willett <i>et al.</i> (2004), Yorkshire, United Kingdom, 1998–2001; Smedby <i>et al.</i> (2005), Denmark and Sweden, 1999–2002; Weihkopf <i>et al.</i> (2007), Germany, 1999–2002; deSanjose S (2006), France, Italy, Ireland and Spain, 1998–2004
			<i>Composite sun exposure – 8 studies</i>				
			Quarter 1	1.0			
			Quarter 2	0.92 (0.71–1.20)			
			Quarter 3	0.90 (0.76–1.07)			
			Quarter 4	0.87(0.71–1.05)			
			<i>Lifetime sun exposure – 6 studies</i>				
			Quarter 1	1.0			
			Quarter 2	0.89 (0.66–1.20)			
			Quarter 3	0.88 (0.70–1.10)			
			Quarter 4	0.88 (0.69–1.11)			
			<i>Sun exposure at 10–17 years of age – 6 studies</i>				
			Quarter 1	1.0			
			Quarter 2	0.92 (0.75–1.11)			
			Quarter 3	0.83 (0.68–1.02)			
			Quarter 4	0.76 (0.56–1.03)			
<i>Sun exposure at 18–40 years of age – 6 studies</i>							
Quarter 1	1.0						
Quarter 2	0.99 (0.83–1.19)						
Quarter 3	0.89 (0.72–1.09)						
Quarter 4	0.93 (0.82–1.06)						
<i>Sun exposure 10 years before diagnosis – 8 studies</i>							
Quarter 1	1.0						
Quarter 2	0.90 (0.80–1.02)						
Quarter 3	0.94 (0.81–1.08)						
Quarter 4	0.84 (0.72–0.97)						

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Krickler <i>et al.</i> (2008) (contd)			<b>Recreational sun exposure</b>			
			<i>Composite sun exposure – 8 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.88 (0.74–1.04)		
			Quarter 3	0.85 (0.69–1.04)		
			Quarter 4	0.76 (0.63–0.91)		
			<i>Lifetime sun exposure – 6 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.89 (0.67–1.17)		
			Quarter 3	0.89 (0.65–1.22)		
			Quarter 4	0.79(0.54–1.14)		
			<i>Sun exposure at 10–17 years of age – 6 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.88 (0.76–1.02)		
			Quarter 3	0.82 (0.67–1.01)		
			Quarter 4	0.85 (0.62–1.16)		
			<i>Sun exposure at 18–40 years of age – 8 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.85 (0.75–0.95)		
			Quarter 3	0.87 (0.73–1.03)		
		Quarter 4	0.80 (0.68–0.94)			
		<i>Sun exposure 10 years before diagnosis – 8 studies</i>				
		Quarter 1	1.0			
		Quarter 2	0.87 (0.79–0.96)			
		Quarter 3	0.79 (0.70–0.90)			
		Quarter 4	0.74 (0.62–0.88)			

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Reference, study location & period	Cases	Exposure assessment	Exposure categories	Relative risk (95%CI)*	Adjustment for potential confounders	Comments
Krickler <i>et al.</i> (2008) (contd)			<b>Nonrecreational sun exposure</b>			
			<i>Composite sun exposure – 6 studies</i>			
			Quarter 1	1.0		
			Quarter 2	1.06 (0.94–1.19)		
			Quarter 3	0.98 (0.81–1.20)		
			Quarter 4	1.01 (0.89–1.15)		
			<i>Lifetime sun exposure – 5 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.98 (0.84–1.14)		
			Quarter 3	0.95 (0.81–1.10)		
			Quarter 4	0.98 (0.84–1.15)		
			<i>Sun exposure at 10–17 years of age – 5 studies</i>			
			Quarter 1	1.0		
			Quarter 2	1.03 (0.89–1.21)		
			Quarter 3	0.85 (0.69–1.05)		
			Quarter 4	0.87 (0.66–1.15)		
			<i>Sun exposure at 18–40 years of age – 6 studies</i>			
			Quarter 1	1.0		
			Quarter 2	0.99 (0.83–1.17)		
			Quarter 3	0.95 (0.83–1.08)		
		Quarter 4	0.97 (0.85–1.10)			
		<i>Sun exposure 10 years before diagnosis – 6 studies</i>				
		Quarter 1	1.0			
		Quarter 2	1.0 (0.88–1.13)			
		Quarter 3	0.96 (0.84–1.11)			
		Quarter 4	0.98 (0.85–1.14)			