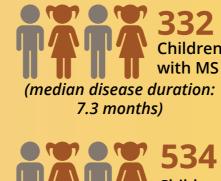
Duration of Sun Exposure and Risk of Multiple **Sclerosis in Children**

Reduced exposure to sun and ultraviolet radiation (UVR) are known risk factors for adult-onset multiple sclerosis (MS)

However, the role of sun and UVR exposure in pediatric-onset MS is not clear







Time spent outdoors per day during the most recent summer



Sun protection use



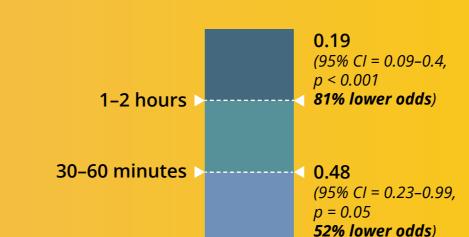
Ambient summer UVR dose

Analysis of association with MS risk



Multivariable conditional logistic regression

Adjusted odds ratio



(Reference)

Adjusted odds ratio

Spending more time outdoors per day was associated with reduced odds of developing pediatric MS



Adjusted odds ratio 0.76 per kilo Joules per m² (95% CI 0.62-0.94, p = 0.01)

Higher ambient summer UVR dose was also associated with reduced odds of pediatric MS

There is an inverse association between sun and UVR exposure and the odds of developing pediatric MS

Study question

Is sun and UVR exposure associated with the risk of developing MS in children?

