

ALLERGY, VITAMINS

# DO NOT STAND BETWEEN ME AND THE SUN


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Diogenes, "the Cynic," Greek philosopher, was born at Sinope about 412 BC, and died in 323 at Corinth, according to [Diogenes](#).

Do not stand between me and the sun – the vitamin/allergy story is getting confusing with the new [JACI review](#).

I am publishing here a summary table where I am pulling together all studies in the field. The main problem is that nearly every study needs a footnote — there are U-shaped associations, differently defined outcomes, margarine intake is not standardized, effect modification and unrecognized confounding is always possible, etc. Anyway, the letter A, B, C, denote single studies, the column holds the exposure and the row the outcome. It is quite evident that (1) pregnancy exposure is not the same than (2) newborn exposure. It is also evident that asthma / wheeze / upper airway infection may be difficult to separate. Does this explain some confusion? Randomized trials are urgently needed.

		Vitamin exposure / measure													
		pregnancy				child				adult					
		FFQ	margarine	serum level	prosp interv	FFQ	margarine	serum level	prosp interv	FFQ	margarine	serum level	prosp interv		
child	IgE					O			(N)					mostly protective	
	sensitization					O	E		(T)					mostly risk	
	allergic rhinitis		D			OP	BF							balanced	
	asthma, wheeze	QR	A	S		OP	EJ-K		(L)					no effect	
	eczema		C	S											
	airway infection								W						
adult	IgE											U			
	sensitization											U			
	allergic rhinitis					M				I	V				
	asthma									GH					
	airway infection														
		A	Fitzsimon 2007, U				I	Trak-Fellermeier 2007				Z	Q	Camargo 2007	
		B	Chatzi 2007				J	Farchi 2003				R		Devereux 2007	
		C	Sausenthaler 2007				K	Wijga 2003				S		Gale 2007	
		D	Calvani 2006				L	Mihirshahi 2001-7				T		Andreasyan 2007	
		E	Sausenthaler 2006				M	Dunder 2001				U		Hyppönen 2007	
		F	Kim 2005, modifier				N	Vautrin-Moneret 2005				V		Wjst 2007	
		G	Bolte 2005				O	Milner 2004				W		Rehmann 1994	
		H	Nagel 2005				P	Kull 2006				X		Cannell 2006 (review)	

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