

Access through your institution	to view subscribed content from home	×
\Xi Outline Get Access Share	Export	

The Lancet Volume 347, Issue 9018, 29 June 1996, Pages 1792-1796

Articles Measles and atopy in Guinea-Bissau

S.O Shaheen MRCP 🍳 a, D.J.P Barker FRCP (Prof) a, C.B Heyes MRCGP a, A.W Shiell MSc a, P Aaby MSc b, A.J Hall FRCP c, A Goudiaby MD d

Show more \checkmark

https://doi.org/10.1016/S0140-6736(96)91617-7

Get rights and content

Abstract

Summary

Background Epidemiological studies have led to speculation that infections in early childhood may prevent allergic sensitisation but evidence to support this hypothesis is lacking. We investigated whether measles infection protects against the development of atopy in children of Guinea-Bissau, West Africa.

Measles and atopy in Guinea-Bissau - ScienceDirect

Methods We conducted a historical cohort study in Bandim, a semi-rural district of Bissau, the capital of Guinea-Bissau. 395 young adults, first surveyed in 1978-80 aged 0-6 years, were followed up in 1994. Our analyses were restricted to 262 individuals still living in Bandim for whom a measles history, documented in childhood, was judged to be reliable. We defined atopy as skin-prick test positivity (≥3 mm weal) to one or more of seven allergens.

Findings 17 (12.8%) of 133 participants who had had measles infection were atopic compared with 33 (25.6%) of 129 of those who had been vaccinated and not had measles (odds ratio, adjusted for potential confounding variables 0.36 [95% Cl 0.17-0.78], p=0.01). Participants who had been breastfed for more than a year were less likely to have a positive skin test to housedust mite. After adjustment for breastfeeding and other variables, measles infection was associated with a large reduction in the risk of skin-prick test positivity to housedust mite (odds ratio for *Dermatophagoides pteronyssinus* 0.20 [0.05-0.81], p=0.02; *D farinae* 0.20 [0.06-0.71], p=0.01).

Interpretation Measles infection may prevent the development of atopy in African children.

<	Previous	Next >
Recor	nmended articles Citing articles (518)	
Recor		
View full	text	
Copyright	t © 1996 Published by Elsevier Ltd.	
	About ScienceDirect	<mark> </mark>
LSEVIER	Remote access	
	Shopping cart	

Advertise

Contact and support

Terms and conditions

Privacy policy

We use cookies to help provide and enhance our service and tailor content and ads. By continuing you agree to the **use of cookies**. Copyright © 2020 Elsevier B.V. or its licensors or contributors. ScienceDirect ® is a registered trademark of Elsevier B.V. ScienceDirect ® is a registered trademark of Elsevier B.V.