

ATOPY

Maternal geohelminth infections

Geohelminths < 24 m

Modified Th2 response to Geohelminths
Anti-*Ascaris* and or *Trichuris* IgG4+

Immune regulation/suppression
Immune homeostasis

Allergen exposure

Allergen-specific IgE

Allergen skin
test reactivity

BRONCHIAL HYPERREACTIVITY

“Predisposition” to asthma

Symptomatic asthma

Pro-inflammatory responses

A. lumbricoides >24 m

RTIs
ETS

RTIs
Allergens
ETS

NO ATOPY

No maternal geohelminth infections

