

Supplemental Table 1. Demographic population characteristics of young Thai men.

Demographic characteristics	Number of subjects (%)* by year	
	2007-2008	2012
Total	7760 (100)	6627 (100)
Age group (years)		
18-20	1164 (15)	245 (4)
21	5359 (70)	5259 (79)
22-30	1150 (15)	1113 (17)
Education level		
Primary school and less	2121 (27)	1347 (20)
Middle school	2641 (34)	2514 (38)
Senior high school and vocational	1920 (25)	1805 (27)
Diploma: vocational or Bachelor's degree	1061 (14)	961 (15)
Marital status		
Single	6067 (80)	5291 (80)
Married	1509 (20)	1336 (20)
Residential area		
Urban	2503 (39)	3023 (46)
Rural	3896 (61)	3604 (54)
Region of residence		
Central	2626 (34)	2098 (32)
North	1738 (22)	1151 (17)
Northeast	2004 (26)	2329 (35)
South	1392 (18)	1049 (16)

*Number in each demographic characteristic does not add to the total number of study subjects because of missing data.

Supplemental Table 2. Occupation and rickettsiae seroprevalence in young Thai men, 2012.

Occupation	Study subjects Number (%)	IgG seroprevalence, % (95% CI*)		
		Scrub typhus group**	Typhus group	Spotted fever group**
Farming, Fishing, Herdsman	1499 (23)	37.0 (34.5 - 39.4)	3.7 (2.8 - 4.7)	5.3 (4.1 - 6.4)
Labor, General hire	1247 (19)	32.6 (30.0 - 35.2)	4.0 (2.9 - 5.1)	4.2 (3.1 - 5.3)
Trades, Technician	662 (10)	30.8 (27.3 - 34.3)	5.3 (3.6 - 7.0)	3.3 (2.0 - 4.7)
Student	1020 (16)	29.3 (26.5 - 32.1)	4.1 (2.9 - 5.3)	3.2 (2.1 - 4.3)
Business, Company, Government employee	1987 (31)	29.8 (27.8 - 31.9)	4.4 (3.5 - 5.3)	5.3 (4.3 - 6.3)

*CI=Confidence interval

** χ^2 test statistically significant (Pearson's chi square, two-sided, $p < 0.05$).

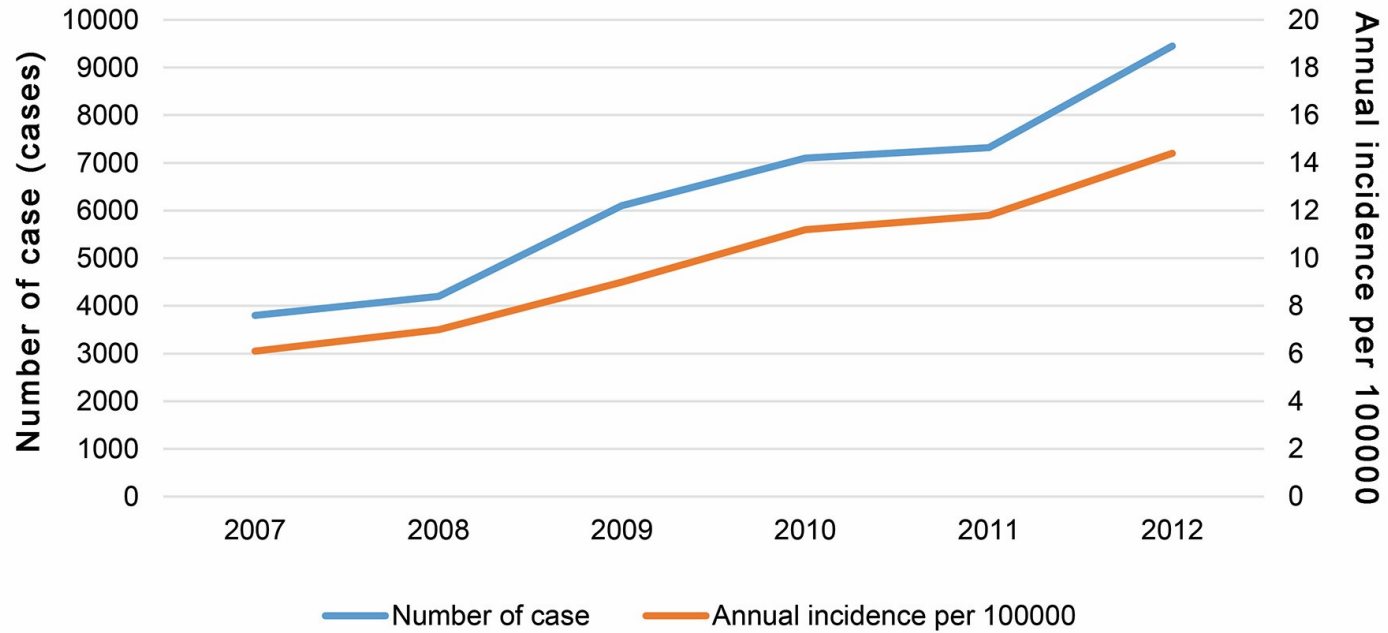
Supplemental Figure 1. Scrub Typhus incidence* and scrub typhus group seroprevalence, Thailand 2007-2012.

*Scrub Typhus incidence data from Bureau of Epidemiology, Ministry of Public Health, Thailand.⁹

Supplemental Figure 2. Percentage of land use data* in each region, Thailand.

*Land use data were collected by the Office of Agricultural Economics, the Ministry of Agriculture and Cooperatives, Thailand and reported by the National Statistical Office in the Ministry of Digital Economy and Society of Thailand. The land data were assembled from geographic information system and field site surveys.¹⁷

Scrub Typhus Incidence in Thailand, 2007-2012



Scrub Typhus Group IgG Seroprevalence in Young Thai Men

