Parmenter R. et al. , 1999-Mexico

Table 3 Risk factors of human plague: RR (95% CI)

Risk factor	Unit of comparison	RR (95% CI)	P-value
Flea index	>1 vs ≤1	1.93 (1.61, 2.33)	<0.0001
Rodent density	Per 3% increase	1.23 (1.15, 1.32)	<0.0001
Rainfall	<10 vs ≥10 mm	1.44 (1.17, 1.77)	<0.0001
Months[a]	Dry vs wet months	2.07 (1.64, 2.62)	<0.0001

[a]Dry season was from December through April.

Hau V Pham et al. , 2009-Vietnam

Which are the main ecological determinants of plague in Madagascar?

Explicative variables :
Flea index (sentinel site)
Rodent density (sentinel site)
Temperature
Rainfall
El Nin˜o–Southern Oscillation Index (SOI)
Normalized Difference Vegetation Index (**NDVI**)
Altitude
Population density

Method :
poisson regression/linear regression

(200 – 400 cases/year)

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