

Table 1 Risk of vector-borne diseases in Pakistan

Disease	Vector/intermediate hosts/ reservoirs	Vector status	Environment (habitat)	Disease status
Malaria	<i>Anopheles</i> spp.	Present	Favourable	Endemic
Cutaneous leishmaniasis	Sand flies, rodents	Present	Favourable	Endemic
Visceral leishmaniasis	Sand flies, dogs, cats	Present	Favourable	Endemic in north
Dengue and dengue haemorrhagic fever	<i>Aedes aegypti</i> , <i>A. albopictus</i>	Present	Favourable	Endemic
Crimean-Congo haemorrhagic fever	Ticks (cattle, sheep)	Present	Favourable	Endemic
Yellow fever	<i>A. aegypti</i>	Present	Unknown	Not reported
Japanese encephalitis	<i>Culex tritaeniorhynchus</i>	Present	Favourable	Not reported
Filariasis	<i>C. quinquefasciatus</i> , <i>Anopheles</i> spp.	Present	Favourable	Reported
Plague	Fleas, rodents	Present	Favourable	Not present
Murine typhus	Fleas, <i>Rattus</i> spp.	Present	Favourable	Reported
Salmonellas	<i>Rattus</i> spp.	Present	Favourable	Reported
Dysentery, diarrhoea, cholera, typhoid, helminth infections, trachoma, poliomyelitis	Housefly	Present	Favourable	Present
Relapsing fever	<i>Rattus</i> spp., <i>Acomys</i> spp.	Present	Favourable	Reported
Leptospirosis	<i>Rattus</i> spp., <i>Mus</i> spp.	Present	Unknown	Not reported
Louse-borne typhus	Body louse	Present	Favourable	Reported in north
House dust mite allergies	Dust mites	Present	Favourable	Reported
Guinea worm (dracunculiasis)	Cyclops	Present	Eradicated 1996	Not present
Haemorrhagic fever with renal syndrome	Rodents	Present	Favourable	Not reported
Onchocerciasis	Black fly (<i>Simulium</i> not reported)	Present	Unknown	Not reported