CVBD* Occurrence Map: Parasite-transmitted Infectious Diseases of Dogs in Asia-Pacific

Country-specific risks of diseases as reported*

Australia
- Anaplasmosis
- Babesiosis
- Heartworm Disease

Cambodia
- Babesiosis
- Human T. gambiense/ T. rhodesiense

China
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

India
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Leishmaniosis
- Lyme Borreliosis
- Trypanosomosis

Indonesia
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

Japan
- Babesiosis
- Heartworm Disease
- Hepatozoonosis

Laos
- Babesiosis
- Ehrlichiosis
- Hepatozoonosis

Malaysia
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

Nepal
- Trypanosomosis

Pakistan
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Leishmaniosis
- Lyme Borreliosis
- Subcutaneous Dirofilariosis

Philippines
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

Singapore
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

South Korea
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Leishmaniosis
- Lyme Borreliosis

Sri Lanka
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

Taiwan
- Babesiosis
- Ehrlichiosis
- Hepatozoonosis
- Lyme Borreliosis

Thailand
- Anaplasmosis
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

Vietnam
- Babesiosis
- Ehrlichiosis
- Heartworm Disease
- Hepatozoonosis
- Thelaziosis

*CVBD: Canine vector-borne diseases

Risk levels:
- No risk
- Low risk (1–2 endemic diseases)
- Medium risk (3–5 endemic diseases)
- High risk (> 5 endemic diseases)
- Perceived risk (no data available)

Canine vector-borne diseases and their transmitting parasites:

- **Anaplasmosis**
  - Anaplasma phagocytophilum
    - Hard ticks (Ixodes spp.)
    - e.g. Taiga tick (I. persulcatus)
    - Brown Dog tick (I. scapularis, I. scapularis)

- **Babesiosis**
  - Babesia gibsoni
    - Brown Dog tick

- **Ehrlichiosis**
  - Ehrlichia canis
    - Heartworm Disease
  - E. ewingii
    - Subcutaneous Dirofilariosis

- **Hepatozoonosis**
  - Hepatozoon canis
    - Mosquitoes
    - I. arboricola
    - I. scapularis

- **Lyme Borreliosis**
  - *Borrelia burgdorferi sensu lato*
    - Hard ticks
    - e.g. Taiga tick

- **Leishmaniosis**
  - *Leishmania infantum*
    - Sand flies
      - *Phlebotomus papatasii*

- **Heartworm Disease**
  - *Dirofilaria immitis*
    - Mosquitoes
    - I. scapularis

- **Thelaziosis**
  - Thelazia callipaeda
    - Fruit flies (Drosophilidae)

- **Trypanosomosis**
  - Trypanosoma spp.
    - Biting flies

Ubiquitous distribution, vector of various diseases; not included in assessment for risk levels.