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Delineation of an endemic tick paralysis zone in southeastern Australia

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Highlights

- An endemic zone of tick paralysis in southeastern Australia is described.
- Case peaked in October–November, and secondarily in April in non-endemic areas.
- Two clusters of sporadic cases were identified.
- Sporadic cases were 4.2-times more likely to be dogs than cats.
- Sporadic cases might be due to travel history, or small foci of tick species.

Abstract

Tick paralysis has a major impact on pet dog and cat populations in southeastern Australia. It results from envenomation by *Ixodes holocyclus* and *Ixodes cornuatus* ticks, the role of *Ixodes cornuatus* in the epidemiology of this disease in Australia being unclear. The aim of this study was to describe the geographical distribution of tick paralysis cases in

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