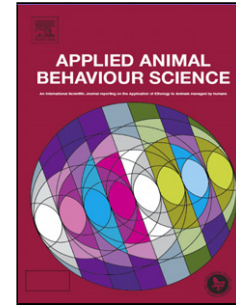


## Accepted Manuscript

Title: Risk factors associated with stranger-directed aggression in domestic dogs

Authors: Hannah E. Flint, Jason B. Coe, James A. Serpell, David L. Pearl, Lee Niel



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**Title:****Risk factors associated with stranger-directed aggression in domestic dogs****Authors:**

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**Highlights:**

- Risk factors for stranger-directed aggression (SDA) were assessed via a questionnaire
- Reported fear of strangers was strongly associated with SDA
- Neutered males, mixed breeds, and dogs from pet stores had the greatest odds of SDA
- Severe SDA was highest in males and dogs with health problems, and lowest in sporting breeds
- Correlations in SDA within households indicate possible environmental and management effects

**Abstract**

Aggression in dogs is a safety concern both for humans and animals, and can lead to decreased animal welfare in affected dogs due to potential abuse, neglect, relinquishment or euthanasia. We examined risk factors associated stranger-directed aggression in dogs using the previously validated, Canine Behavioural Assessment and Research Questionnaire (C-BARQ). Results are based on participant reports of dog

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