

**Table S1.** Complete case analysis of child development delays at 3 years of age in association with “never” and “ever” dog ownership.

ASQ domain	<i>n</i>	OR (95% CI)	
		Never	Ever
Communication	49,891	1.00	0.89 (0.78, 1.01)
Gross motor	49,950	1.00	0.85 (0.75, 0.96) *
Fine motor	49,813	1.00	0.98 (0.89, 1.07)
Problem-solving	49,598	1.00	0.89 (0.80, 0.98) *
Personal-social	49,872	1.00	0.84 (0.72, 0.97) *

ASQ-3: Age Stages Questionnaire third edition. Never: Never family dog owner, Ever: ever family dog owner. Adjusted for parity, maternal age at delivery, maternal smoking during pregnancy, maternal education, paternal education, maternal mental health (Short Form-8 mental component score), family income at ASQ-3 completed, child sex, environmental tobacco smoke exposure at 3 years-old, daycare attendance at 3 years-old. \*  $p < 0.050$ , \*\*  $p < 0.010$ .

**Table S2.** Complete case analysis of child development delays at 3 years of age in association with family dog ownership.

ASQ domain	<i>n</i>	OR (95% CI)			
		Never ( <i>n</i> = 65,986)	Past only ( <i>n</i> = 6745)	Current only ( <i>n</i> = 654)	Always ( <i>n</i> = 5556)
Communication	49,891	1.00	0.91 (0.76, 1.08)	0.74 (0.41, 1.32)	0.89 (0.74, 1.06)
Gross motor	49,950	1.00	0.82 (0.69, 0.97) *	0.62 (0.34, 1.13)	0.91 (0.77, 1.08)
Fine motor	49,813	1.00	1.00 (0.88, 1.13)	0.96 (0.65, 1.41)	0.95 (0.83, 1.09)
Problem-solving	49,598	1.00	0.87 (0.76, 0.99) *	0.97 (0.66, 1.43)	0.90 (0.78, 1.03)
Personal-social	49,872	1.00	0.93 (0.77, 1.13)	0.78 (0.41, 1.48)	0.74 (0.59, 0.92) **

ASQ-3: Age Stages Questionnaire third edition. Never: Never family dog owner, Ever: ever family dog owner. Adjusted for parity, maternal age at delivery, maternal smoking during pregnancy, maternal education, paternal education, maternal mental health (Short Form-8 mental component score), family income at ASQ-3 completed, child sex, environmental tobacco smoke exposure at 3 years-old, daycare attendance at 3 years-old. \*  $p < 0.050$ , \*\*  $p < 0.010$ .