Additional file 1. Results from the final models from the logistic regression analyses from the medical records cohort (n = 1072) and the questionnaire cohort (n = 1665). Odds ratios (OR) including 95% confidence intervals (CI), and P values, are shown for all significant variables.

Variables	Medical records cohort (n = 1072)		Questionnaire cohort (n = 1665)	
	OR (95% CI)	*P* value	OR (95% CI)	P value
Breed		0.0009		0.0033
Birman versus Domestic	0.12 (0.04–0.34)		0.11 (0.03-0.43)	
British versus Domestic	1.96 (0.83–4.66)		n.a.	
Cornish rex versus Domestic	0.77 (0.29–2.08)		n.a.	
Maine coon versus Domestic	0.87 (0.46–1.64)		0.83 (0.29-2.41)	
Norwegian versus Domestic	0.69 (0.37–1.29)		0.42 (0.19-0.94)	
Other breeds vs Domestic	1.13 (0.75– 1.73)		0.91 (0.59-1.41)	
Persian versus Domestic	0.27 (0.10–0.74)		0.40 (0.17-0.97)	
Ragdoll versus Domestic	1.04 (0.50–2.15)		n.a.	
Sex		0.0011		0.015
Male versus Female	1.56 (1.20–2.03)		1.35 (1.06-1.73)	
Neutering		0.040		n.s.
Neutered versus Intact	1.42 (1.02–1.97)		n.s.	
Age group		0.0003		0.0007
Junior versus Mature	0.53 (0.34–0.85)		n.a.	
Prime versus Mature	0.65 (0.46– 0.93)		0.31 (0.04-2.50)	
Senior versus Mature	0.72 (0.50–1.04)		1.05 (0.73-1.49)	
Geriatric versus Mature	0.32 (0.19–0.54)		0.61 (0.41-0.90)	
Diagnosis/organs affected*		< 0.0001		n.a.
Lower urinary tract	3.37 (1.98–5.74)		n.a.	
Diabetes mellitus	2.66 (1.08–6.57)		n.a.	
Respiratory tract	2.55 (1.36–4.81)		n.a.	
Skin	2.36 (1.33–4.19)		n.a.	
Locomotor apparatus	1.95 (1.07–3.53)		n.a.	
Neoplasia	1.92 (0.99–3.71)		n.a.	
Trauma	1.57 (1.02–2.42)		n.a.	
Digestive tract	1.17 (0.77–1.76)		n.a.	
Circulatory system	0.66 (0.31–1.43)		n.a.	
Endocrine disease (excl. DM)	0.59 (0.24–1.46)		n.a.	
Upper urinary system	0.57 (0.31–1.07)		n.a.	
Type of diet		n.a.		0.0031
Dry versus Wet	n.a.		2.40 (1.44-4.00)	
Mixed versus Wet	n.a.		2.26 (1.37-3.72)	
Activity				< 0.0001
Inactive versus Normal	n.a.		1.94 (1.50-2.52)	
Active versus Normal	n.a.		0.89 (0.50-1.58)	
Eating behavior				< 0.0001
Greedy versus Nibbles	n.a.		1.94 (1.40-2.68)	
Finishes in hours versus Nibbles	n.a.		0.92 (0.60-1.42)	
Picky versus Nibbles	n.a.		0.59 (0.34-1.03)	

OR, odds ratio; CI, confidence interval; n.a., not applicable; n.s., not significant; DM, diabetes mellitus. * Diagnostic code group versus a diagnosis referring to the whole animal.