

# Growing up shouldn't hurt

Results from the first comprehensive, prospective OA evaluation study in younger dogs

**40%**

of dogs examined had radiographic signs of OA

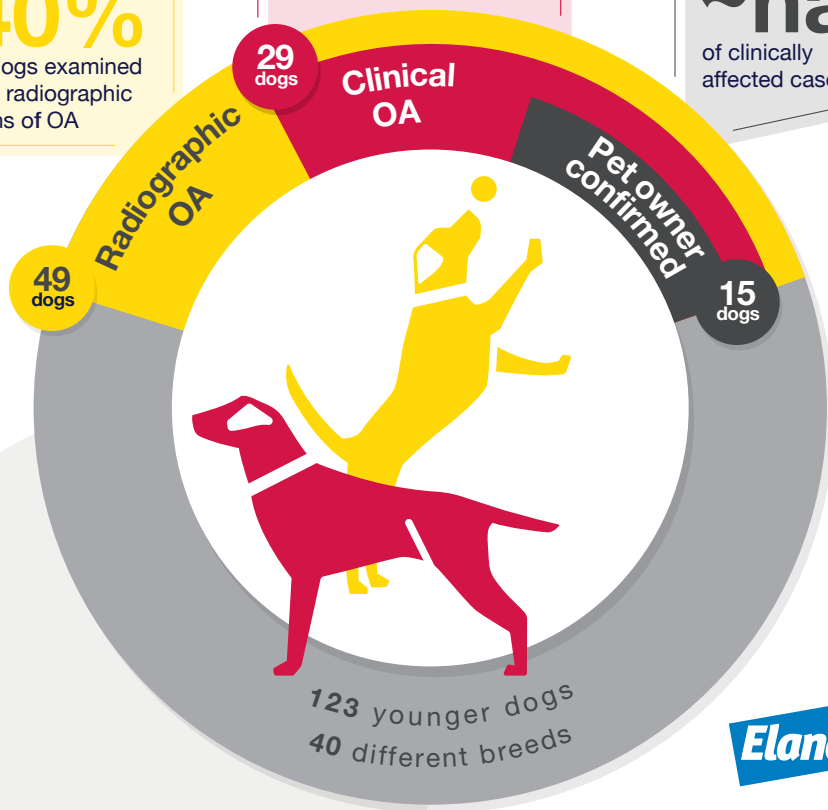
**~60%**

of dogs with radiographic signs of OA had joint pain on veterinary examination

Pet owners confirmed signs of OA in

**~half**

of clinically affected cases



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# Design:

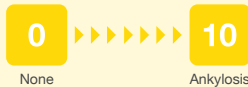
# 123

dogs from single, first opinion/primary care enrolled from 8 months to 4 years of age and  $\geq 3.6$  kg body weight

## Endpoints

### Radiography of appendicular joints and spine under sedation

OA severity scored on 11-point scale



Joint pain scored on 5-point scale



Pet owner completed questionnaire (LOAD - Liverpool Osteoarthritis in Dogs)

Each of 13 items scored on 5-point scale



## Results

Radiographic OA (rOA)

# 40%

of dogs evaluated had radiographic OA of at least one appendicular joint



Score  $\geq 1$

Clinical OA (cOA)\*

# 60%

of dogs with rOA had at least mild pain in the joint



Score  $\geq 1$

Owner confirmed

# 52%

Owners could see mobility impairment in half of the cases with clinical OA



Total LOAD  $\geq 5$

LOAD, Liverpool osteoarthritis in dogs; cOA, clinical osteoarthritis; OA, osteoarthritis; rOA, radiographic osteoarthritis.

\*cOA defined as overlap of rOA and pain in the same  $\geq 1$  appendicular joint(s).

All data from Enomoto, M., de Castro, N. et al. 2022. Prevalence of radiographic osteoarthritis and associated clinical signs in young dogs. Abstract and Poster. NCSU CVM 2022 Research Forum <https://www.ncsu-cprec.com/research-abstracts>

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