

# **DOG AGING PROJECT**

## **THE POWER AND POTENTIAL OF COMMUNITY SCIENCE**



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Graphics by: Jocelin B. Villarreal



# OUTLINE



**WHAT IS COMMUNITY  
SCIENCE?**



**WHAT IS THE DOG  
AGING PROJECT?**



**HOW DOES THE DOG  
AGING PROJECT WORK?**



**WHY STUDY AGING IN  
DOGS?**



**IMPORTANT FINDINGS  
SO FAR...**



**TRIAD  
THE TEST OF RAPAMYCIN IN AGING DOGS**



**HOW TO GET  
INVOLVED**





# WHAT IS COMMUNITY SCIENCE?



# COMMUNITY SCIENCE

**“A field that develops and researches community-centered models that enable communities to use evidence-based interventions more effectively and efficiently” (Tebes 2005)**



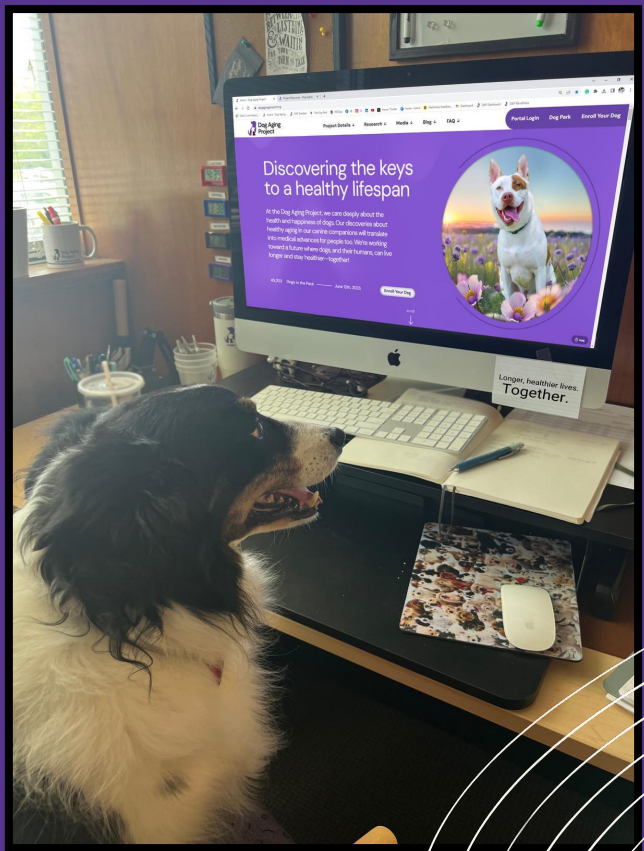
**“[...] an approach to academic–community partnerships that shares power with community partners in all aspects of the research process and benefits communities through interventions or policy” (Collins et al. 2022)**



**“community members collaborate, often with scientists and science engagement practitioners [...] to advance community priorities and benefit from science and engineering knowledge and advancements” (Community Science Initiative)**







# IN OTHER WORDS...

**scientific research and monitoring driven  
and supported by and engaged with local  
communities**

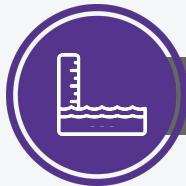




# GULF OF MAINE RESEARCH INSTITUTE



Rising sea levels and coastal flooding are a serious issue



Coastline of GoM is >5000 miles long with only 3 tide gauges



How can one research team possibly survey the entire coastline timely and accurately?

- They don't have to: **Get the community involved!**
- [https://investigate.gmri.org/project/coastal\\_flooding](https://investigate.gmri.org/project/coastal_flooding)
  - Instructions for the local community to go to the coast and collect observational data







## RESEARCH BENEFITS

Ability to monitor a wider area  
and collect more data

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Enhances data robustness by  
increasing participation rates

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Grounds the research in real-life  
contexts

# GULF OF MAINE: WHAT ARE THE BENEFITS?



## COMMUNITY BENEFITS

Community involvement in local  
issues

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Ability for community members to  
learn about the project's topics,  
leading to more informed views  
and decisions

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The joy of supporting research  
initiatives to better your  
community and more!



**THERE ARE MANY EXAMPLES OF COMMUNITY SCIENCE  
PROJECTS, BUT OUR FOCUS TODAY WILL BE...**



# **Dog Aging Project**

**Longer, healthier lives. Together.**





# WHAT IS THE DOG AGING PROJECT?





NIA R24AG073137 -  
Developing the Privately  
Owned Companion Dog as  
a Model for Alzheimer's  
Disease



PubMed

Coleman et al paper. **Test of Rapamycin in Aging Dogs (TRIAD)**: study design and rationale for a prospective, parallel-group, double-masked, randomized, placebo-controlled, multicenter trial of rapamycin in healthy middle-aged dogs from the Dog Aging Project. *Geroscience*. 2025. doi: 10.1007/s11357-024-01484-7.



TRIAD Clinical Trial  
TRIAD R01  
AG090843

Creely et al paper  
An open science study of  
ageing in companion dogs.  
*Nature* 602: 51–57.



First Curated  
Data Release  
made publicly  
available on  
Terra

First DAP Consortium  
publication:  
<https://pubmed.ncbi.nlm.nih.gov/srv-proxy2.library.tamu.edu/collections/62720969/?sort=pubdate>



15 Consortium  
publications

>50,000 Pack members

36.5 Million Open  
Science data points

All related pubs here:



Dog Aging  
Project  
Google  
Scholar

DELP moves to UW;  
formalizes  
collaboration  
with Matt  
Kaeberlein

+ LAUNCH OF  
FIRST DAP  
WEBSITE



NIA R24 AG044284  
The Canine Longevity  
Consortium

+ Rapa Phase 1  
trial launched  
in Seattle



NIA U19 AG057377:  
The Dog Aging Project:  
Genetic and  
Environmental  
Determinants of  
Healthy Aging in  
Companion Dogs



2007

2013

2015

2017

2018

2021

2022

2023

2024

2025



# Dog Aging Project timeline

2011

2013

2016

2019

2022

2023

2024

JAVMA<sup>®</sup>  
JOURNAL OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION

Fleming et al paper  
**Mortality in North  
American dogs from  
1984-2004: an  
investigation into age-,  
size- and breed-related  
causes of death.** *J Vet  
Intern Med.* 25(2): 187-198.  
DOI:  
10.1111/j.1939-1676.2011.  
0695.x

Hoffman et al paper  
**Reproductive capability  
is associated with  
lifespan and cause of  
death in companion  
dogs.** *PLoS ONE.* 8(4):  
e61082.  
DOI:10.1371/journal.pon  
e.0061082

PLOS ONE

Donner Foundation Rapa 2  
funded (but trial not  
complete until 2020 and not  
published until 2023)

A masked, placebo-controlled, randomized clinical trial evaluating safety and the effect on cardiac function of low-dose rapamycin in 17 healthy client-owned dogs

Cold Spring Harbor  
Perspectives in Medicine

The Companion Dog as a Model for the Longevity Dividend

Multiple morbidities in companion dogs: a novel model for investigating age-related disease



Comprehensive  
update to website  
launched as part of  
opening of  
nominations; over  
70,000 nominations  
in first 7 days

Bray et al paper  
**Once-daily feeding is associated with  
better health in companion dogs: results  
from the Dog Aging Project.** *Geroscience*  
44(3):1779-1790. doi:  
10.1007/s11357-022-00575-7.



Bray et al paper  
**Associations between physical activity  
and cognitive dysfunction in older  
companion dogs: results from the Dog  
Aging Project.** *Geroscience* Sep 21; doi:  
10.1007/s11357-022-00655-8.



McCoy et al paper  
**Social determinants of health and  
disease in companion dogs: a cohort  
study from the Dog Aging Project.** *Evol Med Public Health.*  
2023;11(1):187-201 DOI:  
10.1093/emph/eoad011



McNulty et al paper  
**Development and validation of a novel  
instrument to capture companion dog  
mortality data: the Dog Aging Project  
End of Life Survey.** *J Am Vet Med  
Assoc* 261(9): 1326-1336 DOI  
10.2460/javma.23.02.0078



Matheson et al paper  
**Silicone tags as an effective method of  
monitoring environmental contaminant  
exposures in a geographically diverse  
sample of dogs from the Dog Aging  
Project.** *Front. Vet. Sci.* 2024;11. DOI:  
[doi.org/10.3389/fvets.2024.1394061](https://doi.org/10.3389/fvets.2024.1394061)

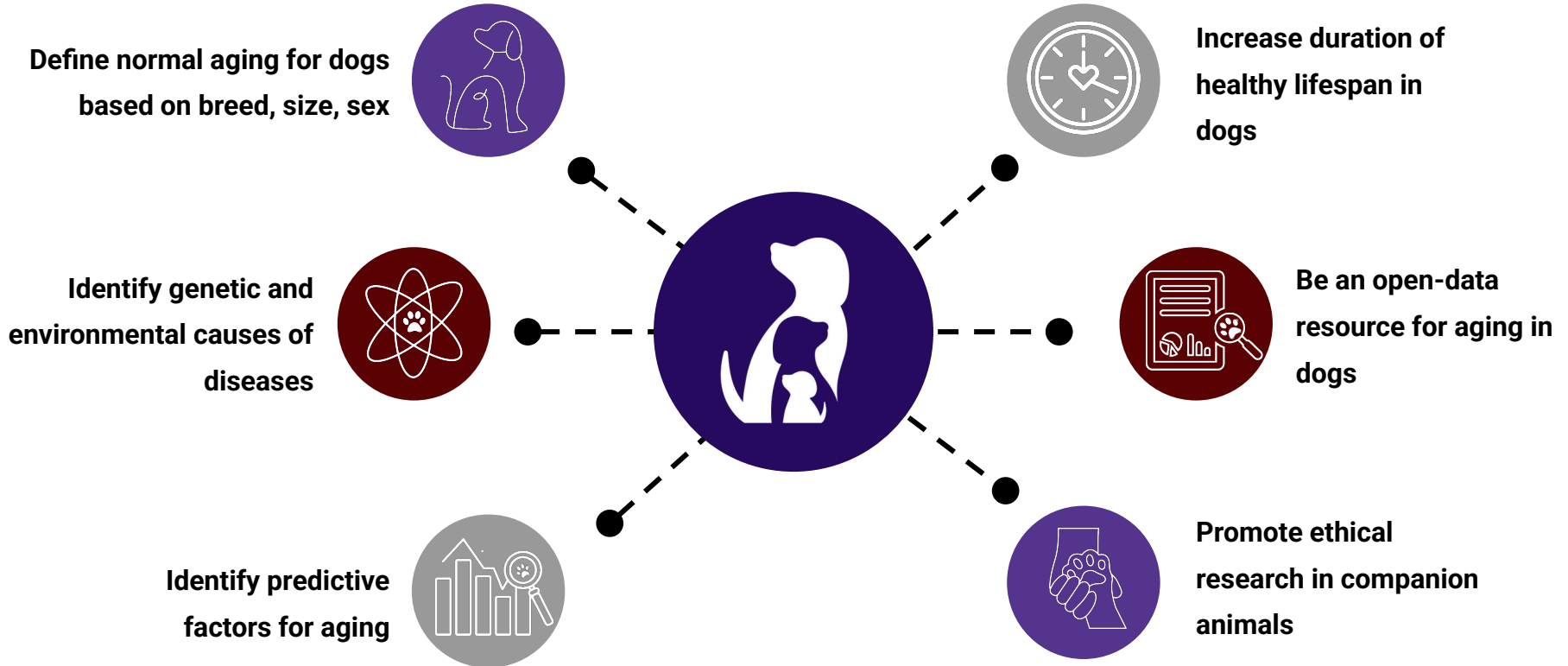


Hargrave, et al. **Characterizing dog  
cognitive aging using spontaneous  
problem-solving measures: development  
of a battery of tests from the Dog Aging  
Project.** *GeroScience* 47, 23–43 (2024).  
<https://doi.org/10.1007/s11357-024-01278-x>





# GOALS OF THE DAP





# HOW DOES THE DOG AGING PROJECT WORK?

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# OUR MEMBERS

## COHORTS

- **Main Pack:** 50,000 +
- **Foundation Cohort:** 6,054
- **Precision Cohort:** 1,000
- **TRIAD Cohort:** Goal 580 (still enrolling!)

**TOTAL ENROLLMENT  
AS OF 1/1/2025:**

**50,188 DOGS**





# WHAT DOES BEING A DAP MEMBER ENTAIL?



Health and Life Experience Survey  
(1st survey takes about 2 hours)

## Surveys

- Health status, physical activity, environment, behavior, etc.
  - On enrollment, annual updates
- Cognitive status



\*Optional: Uploading your veterinary electronic medical records  
(We'll ask you if you want to upload your records on an annual basis.)

## Digital Medical Record Sharing

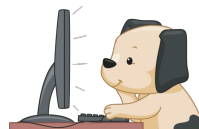
- Optional - However, for cohort consideration, it is needed.



\*Optional Activities  
(Released throughout the year)

## Annual At-Home Activities

- Cognitive activities
- Mobility activities



## Pack Appreciation Events

- Are similar to science seminars and are hosted on the DAP YouTube channel



## NO additional veterinary visits, no changes to lifestyle

- Our members in the general pack live their normal lives at home from start to finish!



## Other cohorts have additional activities

- Precision: yearly blood sampling
- TRIAD: to discuss later



# WHO CAN ENROLL?

## ANYONE IN THE UNITED STATES!

- No age limits, no breed requirements, no health requirements
  - Only limit is 1 dog per household at a time!
- Breed breakdown: 50/50 purebred/mixed
  - Only 34 borzoi at this time
  - Lab, golden retriever, GSD top 3



### CALLING ALL DOGS!

Join the largest canine health study in the world and help dogs live longer, healthier lives!

[Join at dogagingproject.org](https://dogagingproject.org)

Dog Aging Project

The Dog Aging Project team will follow tens of thousands of companion dogs for ten years in order to identify factors that maximize healthy longevity and help future generations of dogs live the best lives possible. Dogs of all ages are welcome, but the research team can learn the most from dogs who are enrolled as puppies, ideally before they've been spayed or neutered.

**Together we can:**



Understand how biology, lifestyle, and environment influence aging



Intervene to increase healthspan, the period of life spent in good health

**Join at-home research activities:**

- Nominate your dog at [dogagingproject.org](https://dogagingproject.org)
- Complete surveys about canine health, diet, behavior, and more
- Upload your dog's electronic medical records
- Engage your dog in at-home behavioral assessments
- Help study the genetics and physiology of aging from your own home
- Connect with others in a private, online community of fellow dog lovers

**Join today!** 





The Dog Aging Project is a non-profit, academic research study funded by the National Institute on Aging, part of the National Institutes of Health, and other partners. We don't sell products or data. All of our canine participants live and play at home with their families.



## WHO HANDLES THIS SURVEY DATA?

# THE DAP TEAM



**WE'RE AN *INTERDISCIPLINARY* RESEARCH TEAM!**

We have a mix of experts from a wide range of fields. Our team includes veterinarians, aging researchers, ethicists, epidemiologists, and more.

## Our Founders



**Kate  
Creevy**



**Daniel  
Promislow**



**Matt  
Kaeberlein**

## Main Headquarters



**+ Researchers all across the country:** Virginia Tech, University of Georgia, Colorado State, and many more!

**Members include:** veterinarians, MDs, PhD candidates, students, laboratory staff, and more!



# WHO ANALYZES THE DATA?

**ANYONE!**



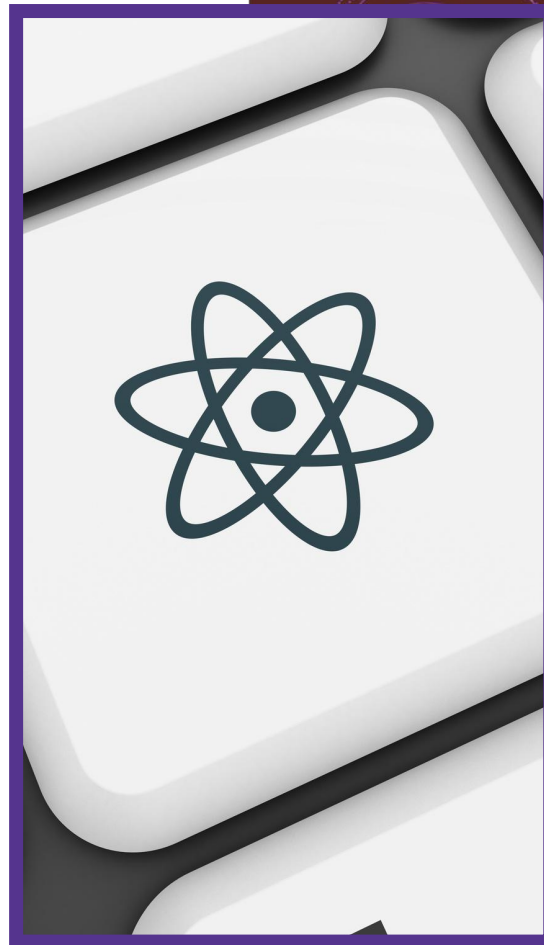
Our data is open-source and released annually for use by anyone interested



As a community science project, our data is collected by the owners, and it is important to us for them to have access to it if they want

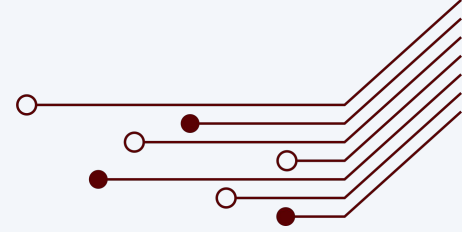


Other researchers/doctors can analyze our data and collaborate with us as well





# WHAT HAPPENS ONCE THE DATA IS ANALYZED?



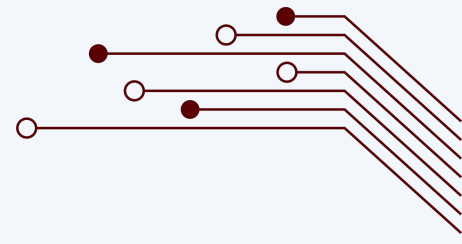
**All publications using DAP data are open-access, available to anyone free of charge**



**73 total publications as of this presentation with many more currently in preparation**



**[pubs.dogagingproject.org](https://pubs.dogagingproject.org)**







# WHY STUDY AGING IN DOGS?



# THE INCITING QUESTION...



**Daniel Promislow - aging biologist/geneticist**

- Science magazine article regarding the genetics of size in dogs
  - *Sparked the question:* can we figure out why small dogs live longer than large dogs?



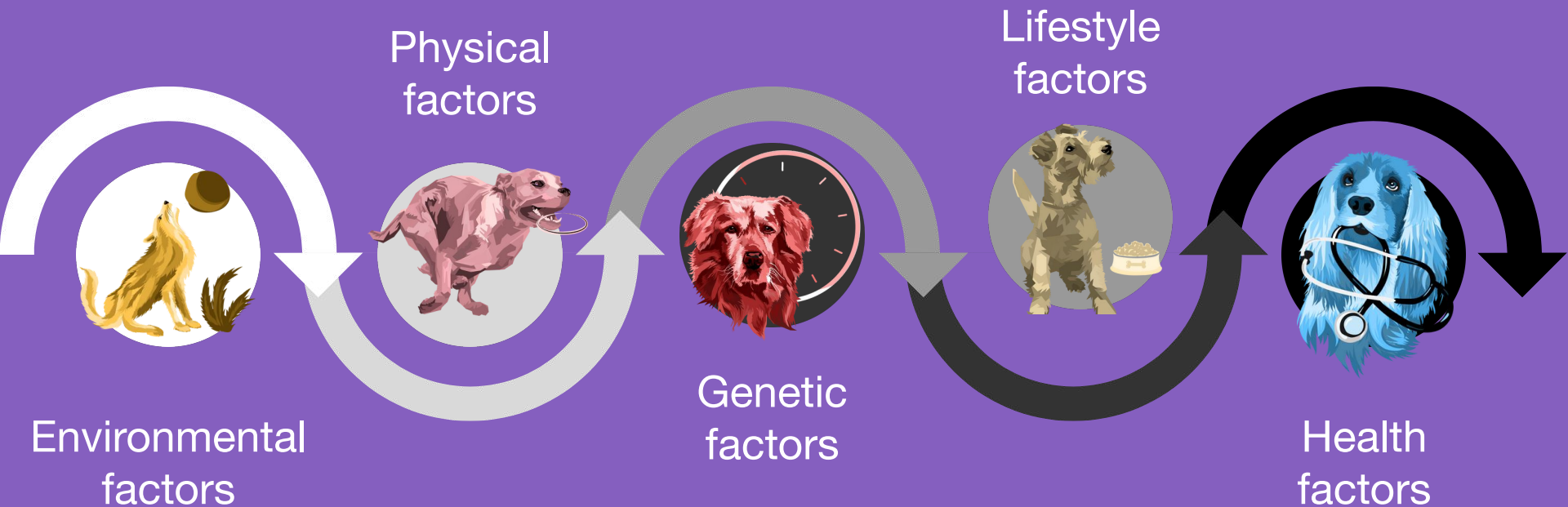
**This prompted the connection with Kate Creevy (veterinarian), who came together to start studying aging in dogs**



**While we don't have a definitive answer to this question, it led to the framework of this project!**

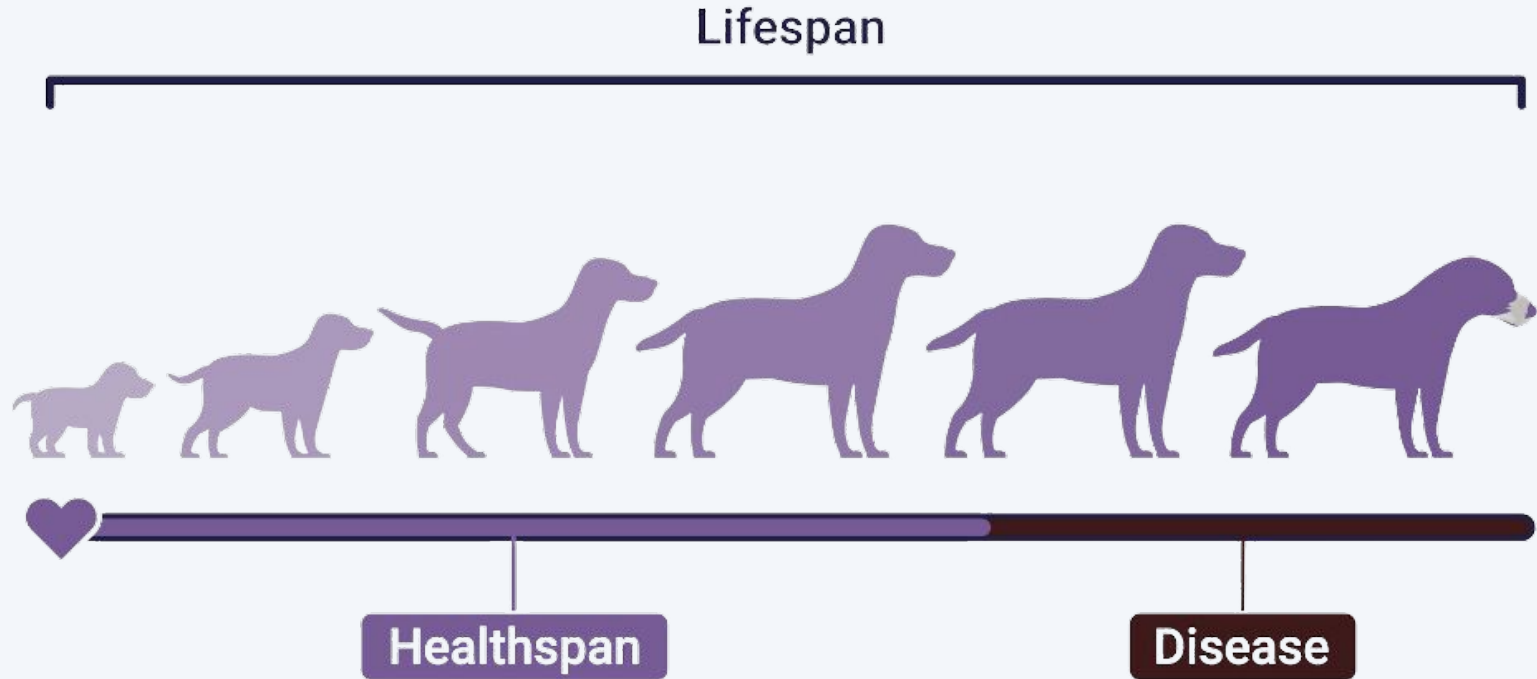


# AGING IS MULTIFACTORIAL





# HOW DO WE EVALUATE AGING?



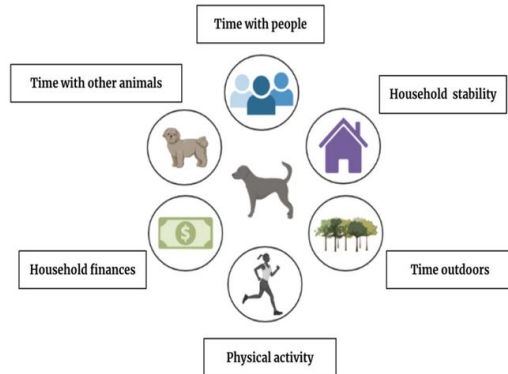


# HOW DO WE EVALUATE HEALTHSPAN? (healthy, active, and feeling good)

## Survey Data

Survey data regarding:

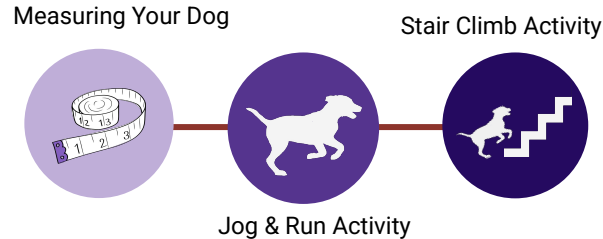
- Disease onset/severity
- Physical activity levels
- Cognitive function



## Physical Activities

Mobility testing

- Measuring Your Dog
- Jog & Run Activity
- Stair Climb Activity



## Cognitive Activities

Cognitive tests

- 1-2-3 Treat Activity
- Treat Hide and Seek Activity



&



Treat Hide & Seek Activity



# THE COMPANION DOG AS AN AGING MODEL



Most of what we know about aging comes from laboratory species

- Yeast, worms, flies, mice

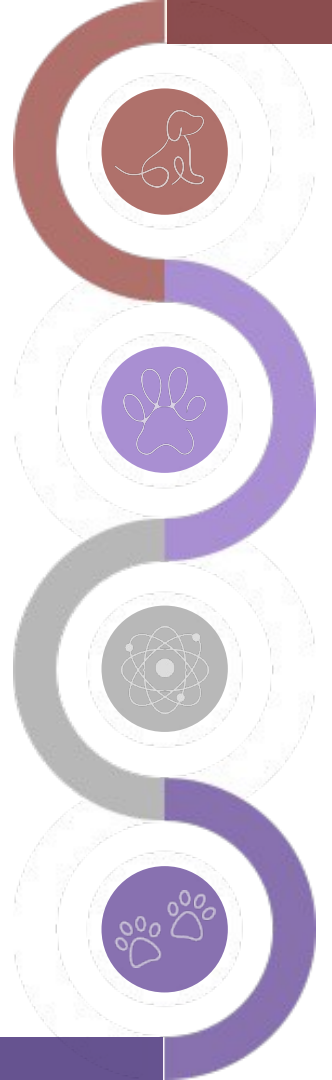


Companion dogs and humans age very similarly, albeit over different time spans

- Variable life expectancy
- Similar functional declines with age
- Similar diseases
- Many parallels in the treatment/healthcare system



The major difference: Dogs age 7-10 times faster than humans





# THE **COMPANION** DOG AS AN AGING MODEL



## Companion dogs share our environments

- The same air, the same allergens, the same pollutants, etc
  - This cannot be replicated in a laboratory



## Our dogs are more than just pets - they're family

- This dedication to dogs and dedication to improving their health and life, allowing us to work with extremely committed and engaged community scientists







# **PUBLICATIONS / IMPORTANT FINDINGS**



# Cross-sectional survey of 43,517 dogs in the Dog Aging Project identifies owner-reported lifetime prevalence and characteristics of gastrointestinal disease



Evaluation of owner-reported surveys over a 3 year period - 43,000+ dogs!



30% of owners reported at least 1 GI disease

- Infectious GI disease [parasites, bacteria, viruses] (17%)
- Chronic diarrhea (3%)
- Foreign body ingestion, anal sac impaction, pancreatitis (2%)
- Inflammatory GI disease, chronic vomiting, acute hemorrhagic diarrhea syndrome (1%)
- All others <1%



The 30% were more likely to report probiotic use or nonprescription GI medications

- *Indicated that owners are willing to change lifestyle practices to accommodate GI disorders*

> J Am Vet Med Assoc. 2024 Sep 18;262(12):1-9. doi: 10.2460/javma.24.05.0306. Print 2024 Dec 1.

## Cross-sectional survey of 43,517 dogs in the Dog Aging Project identifies owner-reported lifetime prevalence and characteristics of gastrointestinal disease

Sarah M Schmid <sup>1</sup>, Jessica M Hoffman <sup>2</sup>, Emily N Gould <sup>3</sup>, Alaina Moon <sup>4</sup>, Kate E Creevy <sup>5</sup>

Affiliations + expand

PMID: 39293476 DOI: 10.2460/javma.24.05.0306

[Free article](#)

### Abstract

**Objective:** To evaluate the prevalence of and characteristics associated with owner-reported gastrointestinal (GI) disease in companion dogs within the US.

**Methods:** Cross-sectional owner-reported survey study of 43,517 dogs enrolled in the DAP between December 26, 2019, and December 31, 2022. Dogs were grouped on the basis of having an owner-reported GI disorder (ORGID) versus not having that ORGID at any point in their history (control group). Multivariable logistic regression analysis was used to estimate the association between dog characteristics and ORGIDs with prevalence ORs (PORs).

**Results:** Of the 43,517 dogs in the DAP Pack, 30,677 (70%) had no history of ORGIDs and 12,840 (30%) had at least 1 ORGID. The most common ORGIDs included infectious diseases (7,580 of 43,517 [17%]), chronic diarrhea (1,316 [3%]), foreign bodies (1,086 [2%]), anal sac impactions (1,031 [2%]), pancreatitis (857 [2%]), inflammatory GI disease (615 [1%]), chronic vomiting (519 [1%]), and acute hemorrhagic diarrhea syndrome (388 [1%]). Compared to controls, dogs with noninfectious ORGIDs had greater odds of having a history of being castrated (POR, 2.55; 95% CI, 2.29 to 2.85), underweight (POR, 1.58; 95% CI, 1.47 to 1.70), or fed primarily canned food (POR, 2.51; 95% CI, 2.21 to 2.85) or receiving probiotics (POR, 1.69; 95% CI, 1.58 to 1.81) or nonprescription GI medications (POR, 4.06; 95% CI, 3.80 to 4.33).





# Dog and owner demographics impact dietary choices in Dog Aging Project cohort



Owner-reported survey data: 40,000+ dogs over a 3 year period



82% feed commercial kibble  
89% feed a consistent diet



Differences

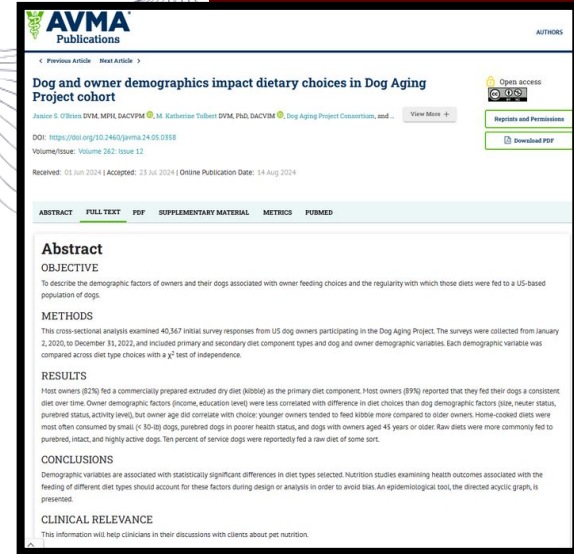
- **Commercial kibble vs. home-cooked**

- Younger owners tend to feed more kibble
- Smaller, purebred dogs with reported diseases eat home-cooked diets more frequently

- **Raw diets**

- Most commonly fed to purebred, intact, high activity dogs
  - Service dogs: 10% ate raw

**These findings are purely descriptive - we cannot make claims about health, benefits, risks based on this study; simply it better helps us understand the dietary choices in our population and can pave the way for future studies looking at health outcomes based on diet types**





# Clippers are superior to scissors in the collection of hair for chemical analysis in companion dogs



**Goal:** evaluate the safest and most efficient method for sampling hair/fur



**Razors vs. clippers vs. scissors**

- Evaluated: collection time, restraint needed, long vs. short hair



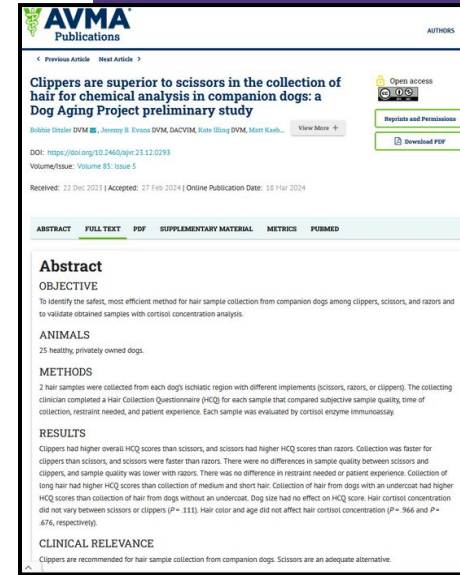
**Clippers faster than scissors, scissors faster than razors**

- However, no differences in sample quality, restraint needed



**Longer hair was found to be easier to sample than shorter hair**

While these findings may not make a huge difference in how we take care of our pets, it can be helpful for other veterinarians to understand the most efficient ways of sample collection to minimize stress and maximize possible benefits





# Lifetime prevalence of owner-reported medical conditions in the 25 most common dog breeds in the Dog Aging Project pack



**Goal:** estimate the lifetime prevalence of medical conditions in purebred dogs (25 most common) vs. mixed-breed dogs



Owner-reported survey data for 27,000+ dogs  
(~13,000 purebred, ~13,000 mixed-breed)



Purebred dogs overall more likely to have no reported medical conditions than mixed-breed dogs

- Golden Retriever, Poodle, Australian Shepherd, Border Collie, Siberian Husky
- **The one exception:** Greyhounds - less likely to have no reported medical conditions

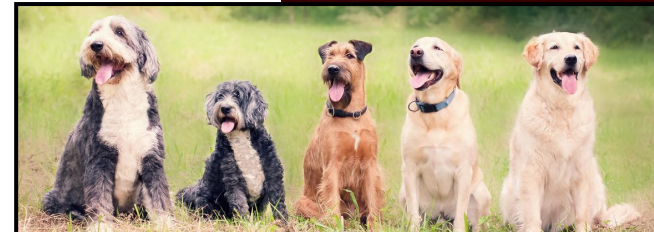
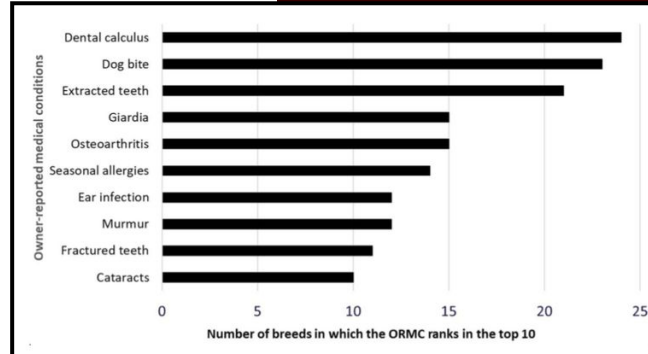


**Outcome:** allows us to better understand common diseases in specific breeds, which can allow for targeted prevention in the future

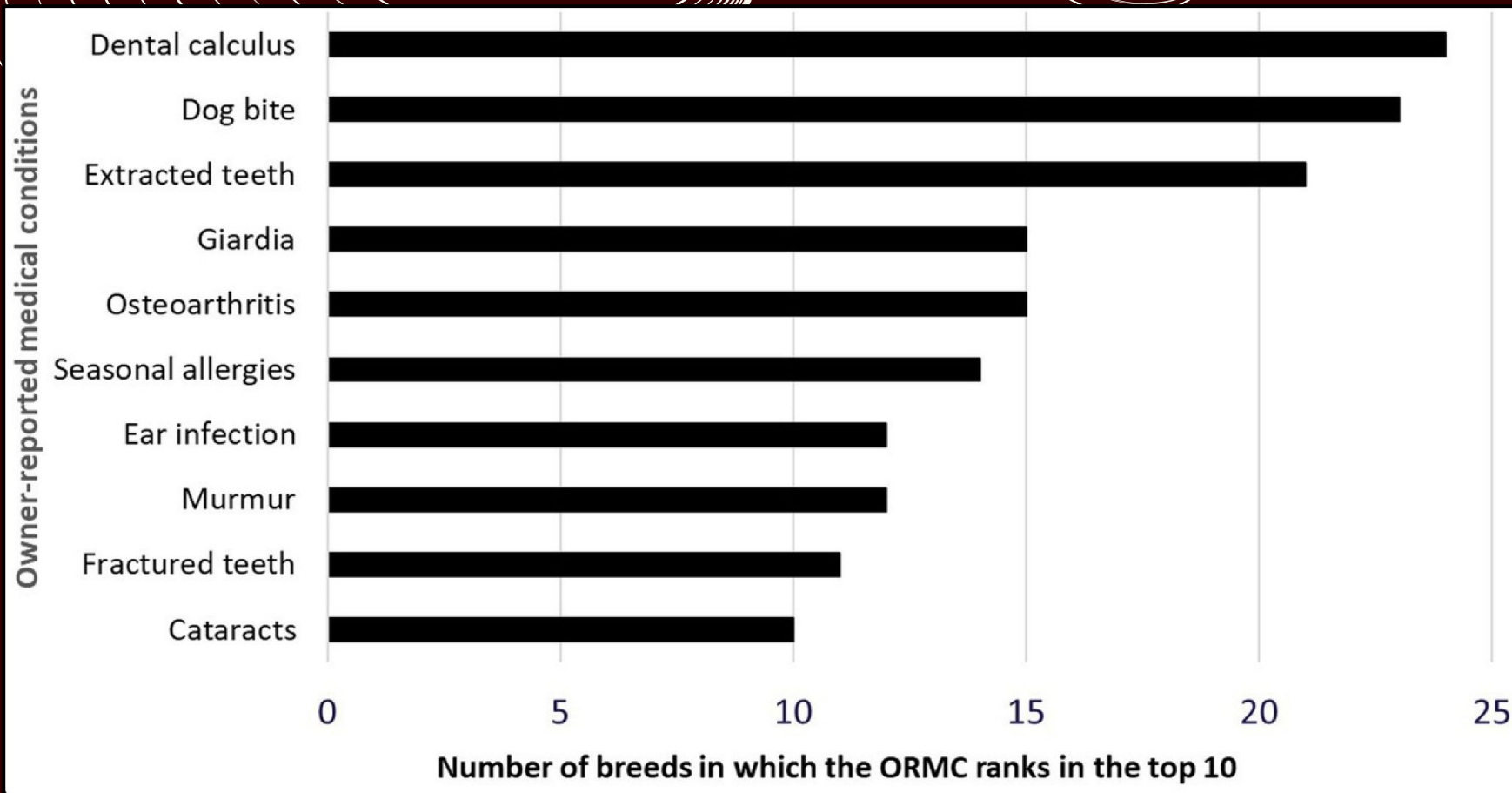
> [Front Vet Sci.](#) 2023 Nov 3;10:1140417. doi: 10.3389/fvets.2023.1140417. eCollection 2023.

## Lifetime prevalence of owner-reported medical conditions in the 25 most common dog breeds in the Dog Aging Project pack

Kiersten K Forsyth <sup>1</sup>, Brianah M McCoy <sup>2</sup>, Sarah M Schmid <sup>3</sup>, Daniel E L Promislow <sup>4</sup> <sup>5</sup>, Noah Snyder-Mackler <sup>2</sup> <sup>6</sup> <sup>7</sup>; DAP Consortium; Kate E Creevy <sup>8</sup>









# Analysis of 2,570 responses to Dog Aging Project End of Life Survey demonstrates that euthanasia is associated with cause of death but not age



**Goal:** evaluate factors associated with passing (euthanasia vs. unassisted death)



2,570 End of Life Survey responses



85% of dogs were euthanized, 15% unassisted death

- *Most frequent cause of death was illness/disease (58%)*
- *Most frequent reason for euthanasia: pain/suffering (49%)*



Euthanasia associated with lower quality of life scores but NOT age

- *This tells us that age in and of itself is not necessarily a disease, and that quality of life is a bigger factor in a decision to euthanize*



**Outcome:** better understand factors that are associated with manner of death as a way to provide better end-of-life care to pets and owners

[J Am Vet Med Assoc. 2023 Sep 28;262\(2\):1-10. doi: 10.2460/javma.23.07.0366. Print 2024 Feb 1.](#)

Analysis of 2,570 responses to Dog Aging Project End of Life Survey demonstrates that euthanasia is associated with cause of death but not age

Elizabeth B Pearson<sup>1</sup>, Jessica M Hoffman<sup>2</sup>, Rachel L Melvin<sup>1</sup>, Kellyn E McNulty<sup>1</sup>,  
Dog Aging Project Consortium; Kate E Creevy<sup>1</sup>, Audrey Rupke<sup>3</sup>

Affiliations + expand

PMID: 37770016 PMCID: PMC10996864 DOI: 10.2460/javma.23.07.0366

## Abstract

**Objective:** The Dog Aging Project End of Life Survey was used to evaluate factors associated with manner of death (euthanasia vs unassisted death), including cause of death (CoD), reason for euthanasia (RFE) if performed, medical symptoms, old age characteristics, and perimortem quality of life (QoL).

**Sample:** Responses collected between the End of Life Survey launch (January 20, 2021) through December 31, 2021, from 2,570 participants whose dogs died.

**Methods:** Response frequencies were described. Associations between manner of death and medical symptoms or old age characteristics were evaluated using logistic regression. Factors associated with RFE were evaluated using multinomial regression. The effects of CoD, age at death, and QoL on the frequency of euthanasia as the manner of death were evaluated using multivariate logistic regression.

**Results:** 2,195 (85.4%) dogs were euthanized, and 375 (14.6%) experienced unassisted death. The most frequent owner-reported CoD was illness/disease ( $n = 1,495$  [58.1%]). The most frequently reported RFE was pain/suffering ( $n = 1,080$  [49.2% of those euthanized]). As age increased, RFE was more likely to be "poor QoL" than any other response. In a multivariate regression including CoD, chronological age, and QoL, euthanasia as the manner of death was not significantly associated with age.





# THE EVENTUAL GOAL

Better understanding  
of dog aging



Better chance to intervene and  
extend lifespan + healthspan in  
dogs

Better  
understanding of  
dog aging



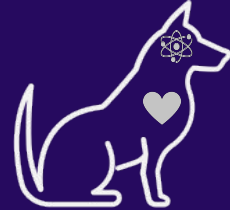
Better  
understanding of  
human aging



Better chance to  
intervene and extend  
lifespan + healthspan  
in humans



# TEST OF RAPAMYCIN IN AGING DOGS





# WHAT TYPES OF STUDIES EXIST?

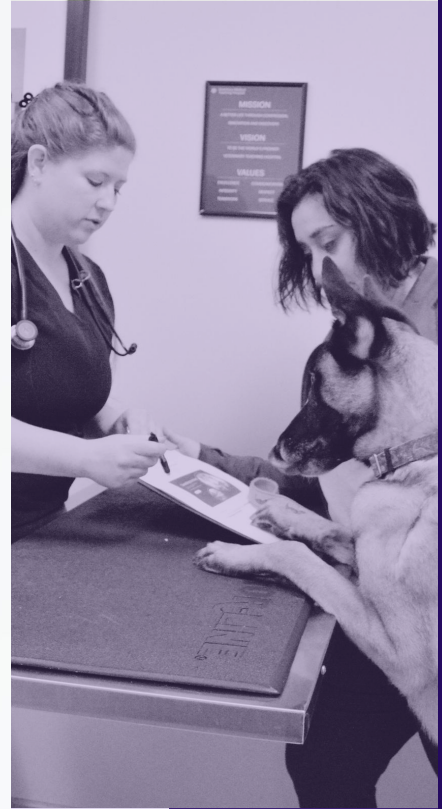
## OBSERVATIONAL TRIAL

- No interventions (medications, devices, treatments) performed on participants
- Monitor subjects in normal settings to answer questions
- Example: Lung cancer in smokers vs. non-smokers; DAP



## CLINICAL TRIAL

- Commonly called “Interventional Trial”
- Evaluate the effect of a medication, device, treatment, etc. on participants
- If we “intervene,” what changes occur?
- Example: TRIAD!





# HOW DO MOST CLINICAL TRIALS WORK?

2 groups: control (no treatment or known treatment) and experimental treatment

Randomly selected to be in one of the two

CONTROL

EXPERIMENTAL  
TREATMENT

Everything else is the same between the two groups - the only difference is the treatment - that way the effect of the treatment alone can be evaluated



# WHAT IS TRIAD?

Double-blind, placebo-controlled clinical  
trial of the medicine rapamycin





# WHAT DOES RAPAMYCIN DO?



## High dose (humans)

- Cancer treatment
- Preventing organ transplant rejection

## Low Dose

- Increased lifespan (yeast, nematodes, fruit flies, mice)
- Increased healthspan (mice)
  - Reduced incidence of cancer
  - Improved cognitive function
  - Reduced eye disease
  - Improved muscle function
  - Improved immune system function
  - Improved heart function





# IS RAPAMYCIN SAFE?



Most adverse effects in humans are temporary and seen at high doses

- Elevated triglyceride levels
- Elevated blood sugar
- Mouth ulcers
- Skin issues



Low dose in dogs - only mild, temporary side effects seen

- Decreased appetite
- Vomiting/diarrhea
- Decreased platelet numbers
- Elevated triglycerides



Our study's dosing is less frequent and lower dose than the doses at which severe adverse effects were seen



# WHAT ARE THE GOALS OF TRIAD?

## AIMS OF TRIAD:

- The **primary objective** of the study is to determine whether rapamycin increases lifespan in companion dogs.
- The **secondary endpoints** are designed to assess the ability of rapamycin to improve healthspan by enhancing functional measures of aging and reducing age-related disease burden.

ENROLLMENT TARGET:  
**580 DOGS**





# WHO MAY QUALIFY FOR TRIAD?



At least 7 years of age



44 -121 pounds (20-55kg)



Spayed/neutered



Good temperament

(can tolerate diagnostic testing without sedation/aggression)



In good health

BLOG POST:

Inside TRIAD: A Deeper Dive into the Test of  
Rapamycin In Aging Dogs

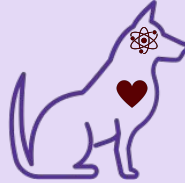


# WHAT DOES PARTICIPATING IN TRIAD ENTAIL?

- 1 Visit a clinical site every 6 months
- 2 Participate for a total of 3 years
- 3 Give your dog a heartworm preventive
- 4 Keep your dog up-to-date on vaccines
- 5 Administer the study medication weekly
- 6 Complete all surveys and activities







# WHAT ARE THE BENEFITS OF JOINING TRIAD?

**Contributing to  
cutting-edge scientific  
research**



**Continued monitoring of  
blood testing,  
neurologic/cardiac  
testing, regular  
examinations by  
veterinarians**



**Potentially receiving a  
benefit to healthspan  
and lifespan**



**Including lots of attention,  
treats, and belly rubs when  
the testing is completed!**





# HOW TO GET INVOLVED?





# BECOME A MEMBER OF THE DAP PACK!



All dogs are welcome, regardless of age, breed, health status, etc.



Completely free, all from the comfort of your own home



To join, visit [dogagingproject.org](https://dogagingproject.org)





# GET SCREENED FOR TRIAD!

This will happen automatically on enrollment to the DAP Pack



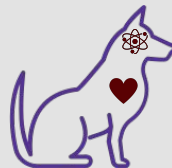
Prior to enrollment, you can do the “TRIAD Fast Track” survey to check initial eligibility

- [dogagingproject.org/TRIAD](https://dogagingproject.org/TRIAD)



As a reminder:


- 7 years
- 20-55 kg (44-121 lbs)
- Good temperament
- In general good health
- Spayed/neutered



## What to Expect

 **PARTICIPATING IN THE TRIAD CLINICAL TRIAL**

First Steps, complete online tasks

  
Complete Eligibility Questionnaire

  
Enroll in the Dog Aging Project

  
Upload your dog's veterinary medical records

After enrolling your dog, digital vet records will need to be uploaded in personal research portal

After meeting baseline requirements, proceed to next steps

  
Find the nearest TRIAD Site


  
Complete Informed Consent Process


  
Go to Initial Screening Exam


If qualified for TRIAD


Year 1


Year 2 & 3


 Give the study medication weekly for 1 year at home


 Go to to an exam every 6 months at TRIAD site (i.e. TRIAD Site Visits)


 Keep your dog up-to-date on vaccines & give heartworm preventive

 Complete all Dog Aging Project surveys and activities

 Go to an exam every 6 months for 2 more years (i.e. TRIAD Site Visits)

 Keep your dog up-to-date on vaccines & give heartworm preventive

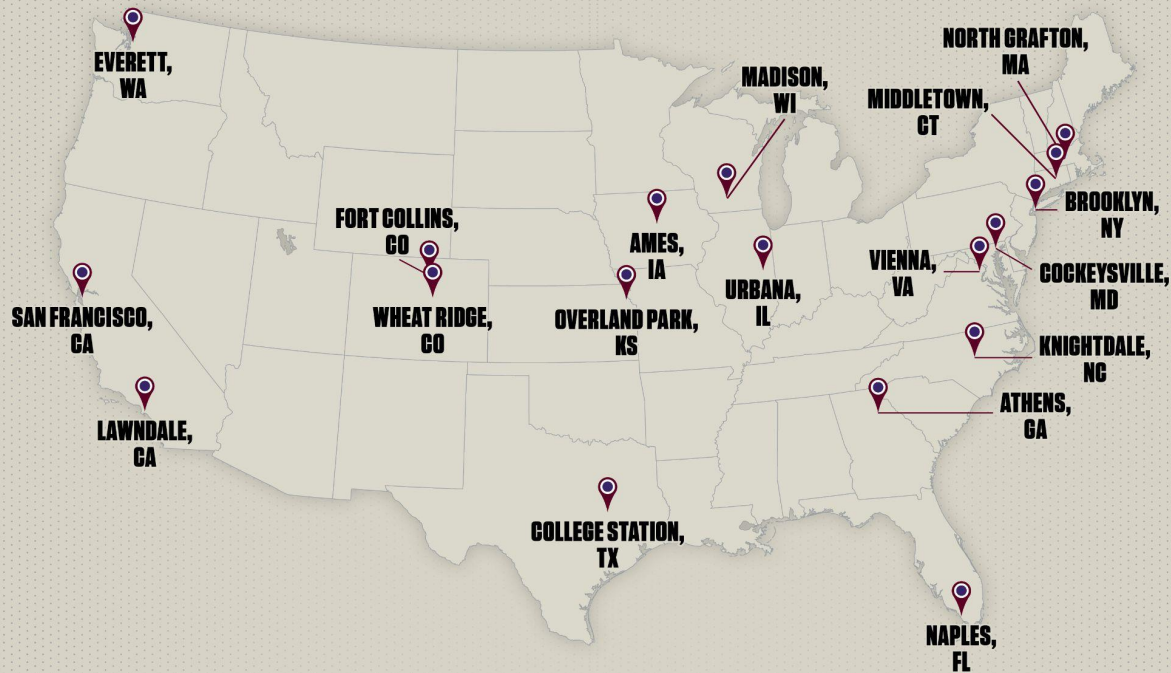
 Complete all Dog Aging Project surveys and activities

 At last exam, graduate from TRIAD

\*Enrollment in TRIAD is a total of 3 years (& continue having samples collected every year afterwards)



# CURRENT TRIAD SITES



**Dog Aging  
Project**

## PARTNER SITE MAP



# SPREAD THE WORD!



The more dogs we enroll, the more we can learn and the more we can help!



Word of mouth is huge - let your friends, neighbors, local communities know!



**SPREAD THE WORD!**

At: [dogagingproject.org/project-resources](https://dogagingproject.org/project-resources)





**Questions?**

Email our team at  
[team@dogagingproject.org](mailto:team@dogagingproject.org)

