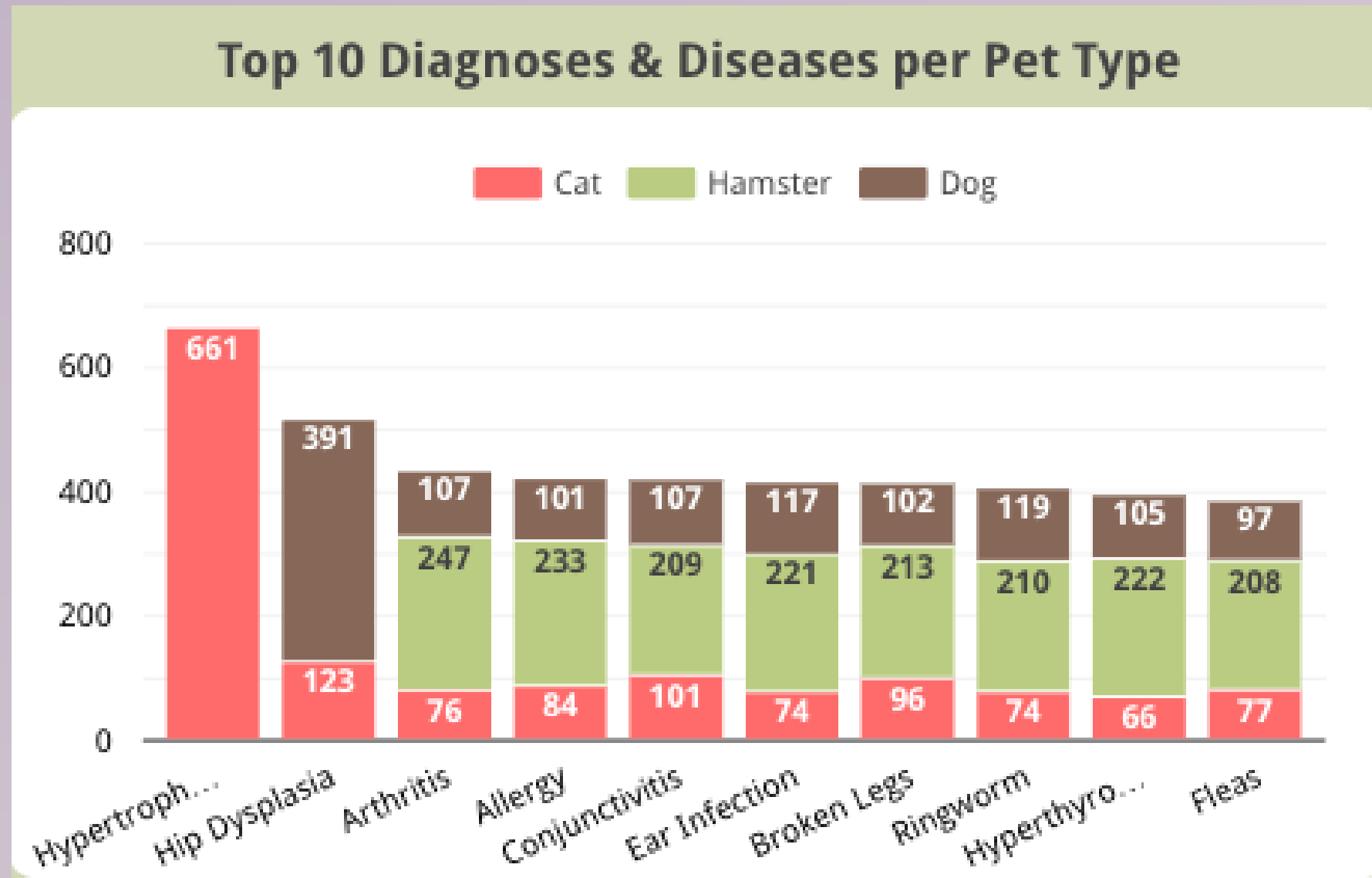




# Dashboard Insights

Created by: Bianca Niemann (Clinipet)

# Q1) What are the most common diagnoses and diseases overall? How do they break down by pet type?



## Top 10 Diagnoses by Pet Type

- Cats have the highest patient count for HCM with 661 cases
- Hip Dysplasia:
  - Dogs: 391 cases
  - Cats: 123 cases
- For the next three conditions—Arthritis, Allergies, and Conjunctivitis:
  - Hamsters are most likely to have these diseases
  - Cats and Dogs have similar patient counts for these diagnoses

# Which diseases are most prevalent among specific breeds?

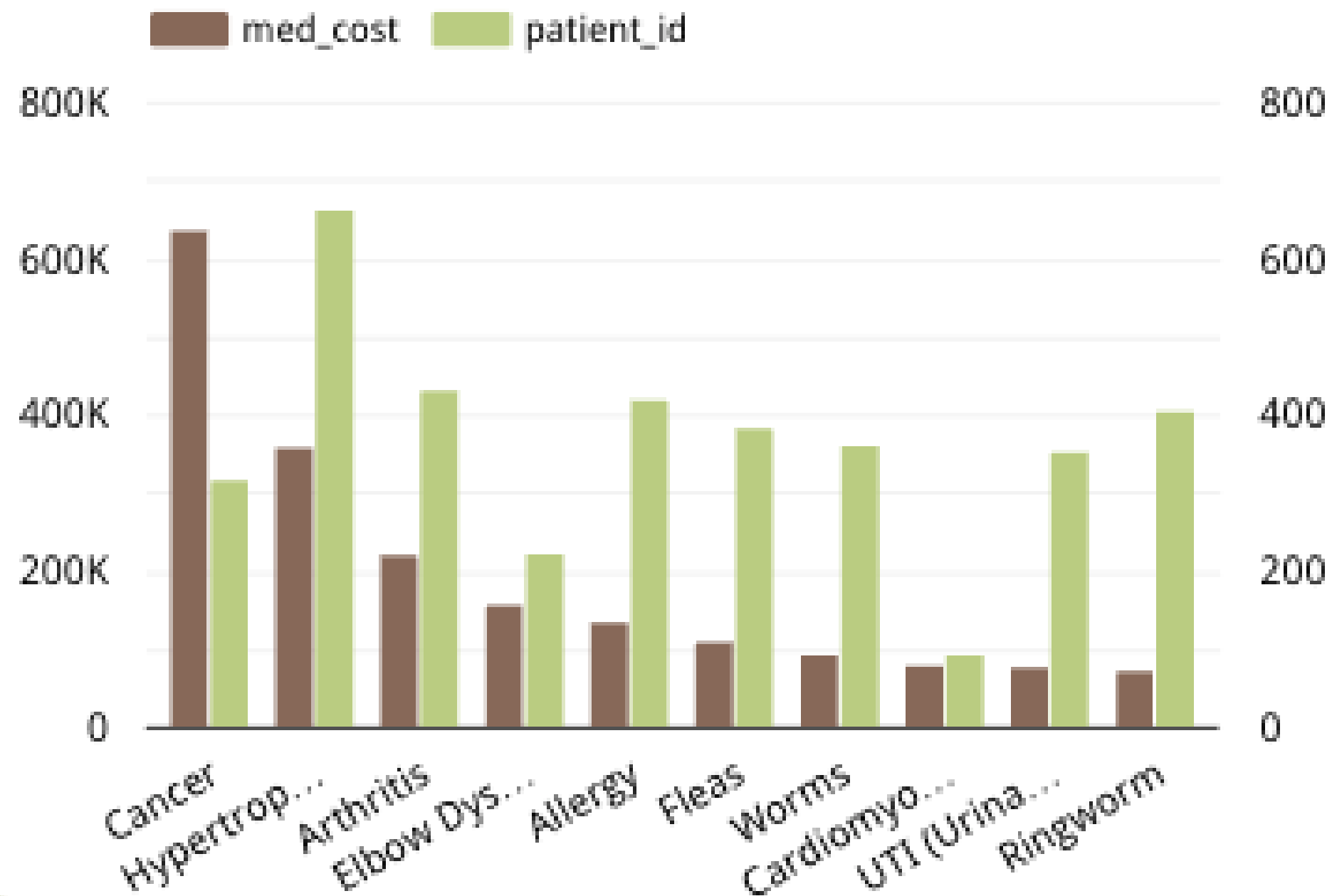
Top 10 Diagnosis per Pet Type and Breed			
pet_type	breed	diagnosis	patient_id ▾
Hamster	Syrian Hamster	Wet Tail Disease	217
Hamster	Syrian Hamster	Respiratory Infections	202
Hamster	Syrian Hamster	Dental Problems	200
Cat	Ragdoll	Hypertrophic Cardiomyopa...	126
Cat	Maine Coon	Spinal Muscular Atrophy	125
Cat	Maine Coon	Hip Dysplasia	123
Cat	Ragdoll	Hairballs	121
Cat	Persian	Dental Disease	119
Dog	Poodle	Addison's Disease	116
Dog	Beagle	Epilepsy	115

## Top 10 Diagnoses by Pet Type & Breed

- Hamsters hold the top 3 spots for highest patient count:
  - Syrian Hamster:
    - Wet Tail: 217 cases
    - Respiratory issues: 202 cases
    - Dental issues: 200 cases
- Cats appear 6 times in the top 10:
  - Ragdoll and Maine Coon are the most frequently diagnosed breeds
- Dogs are the healthiest, appearing only at the bottom 2 spots:
  - Brred being Beagle and Poodle

# Which diseases incur the highest spending, and how frequently do they appear in the data?

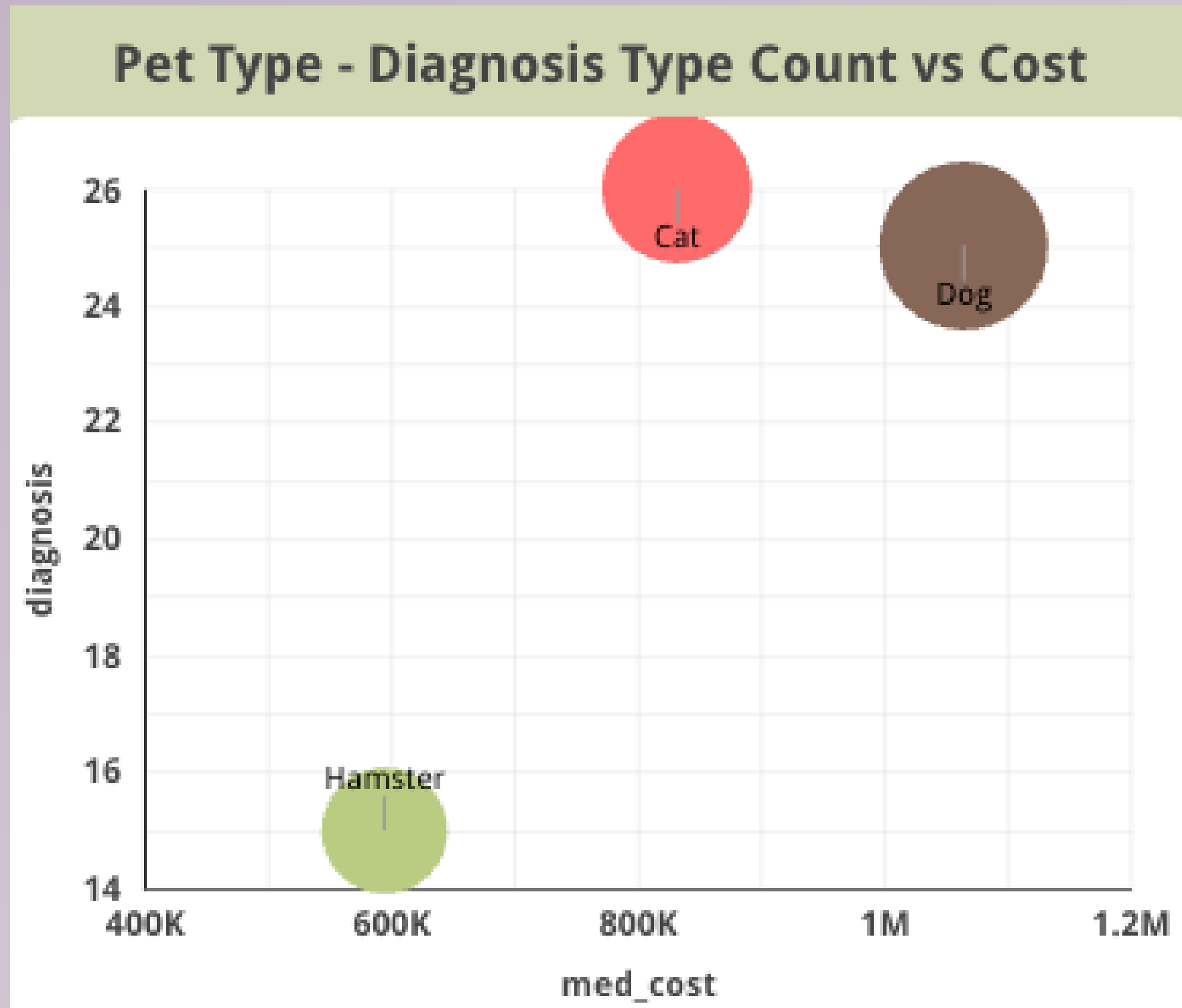
## Top 10 Diagnosis - Cost & Frequency



### Top 10 Diagnosis by Total Cost

- Cancer has the highest total cost:
  - ~\$650,000 spent
  - Despite a low patient count of 314, costs are very high per treatment
- HCM has the highest patient count:
  - 661 patients
  - Total cost ~\$350,000 → lower cost per treatment
- Arthritis, Allergies, and Ringworm:
  - High patient counts
  - Low total costs, indicating less expensive treatments

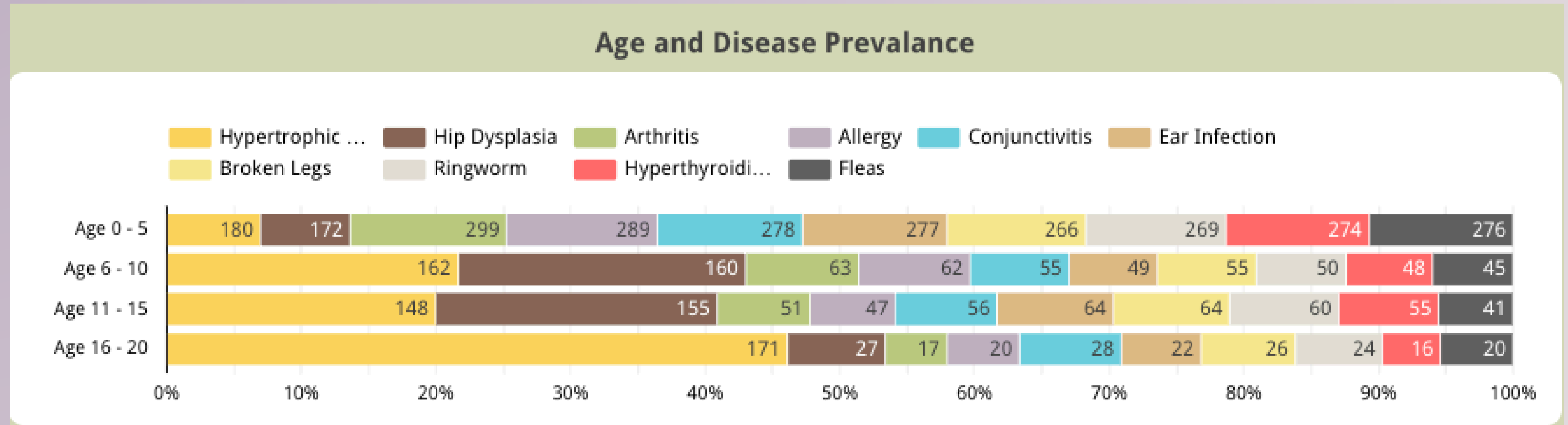
# Are certain pet types (e.g., dogs, cats) more susceptible to specific diseases or associated with higher treatment costs?



## Pet Susceptibility: Diagnosis Count vs. Medication Cost

- Created a scatter plot comparing:
  - Diagnosis count (number of different diseases)
  - Total medication cost
- Cats:
  - Highest diagnosis count
  - Moderate medication costs
- Dogs:
  - Slightly lower diagnosis count than cats
  - Much higher medication costs
    - Likely due to higher cancer susceptibility
- Hamsters:
  - Low diagnosis count
  - Low medication cost

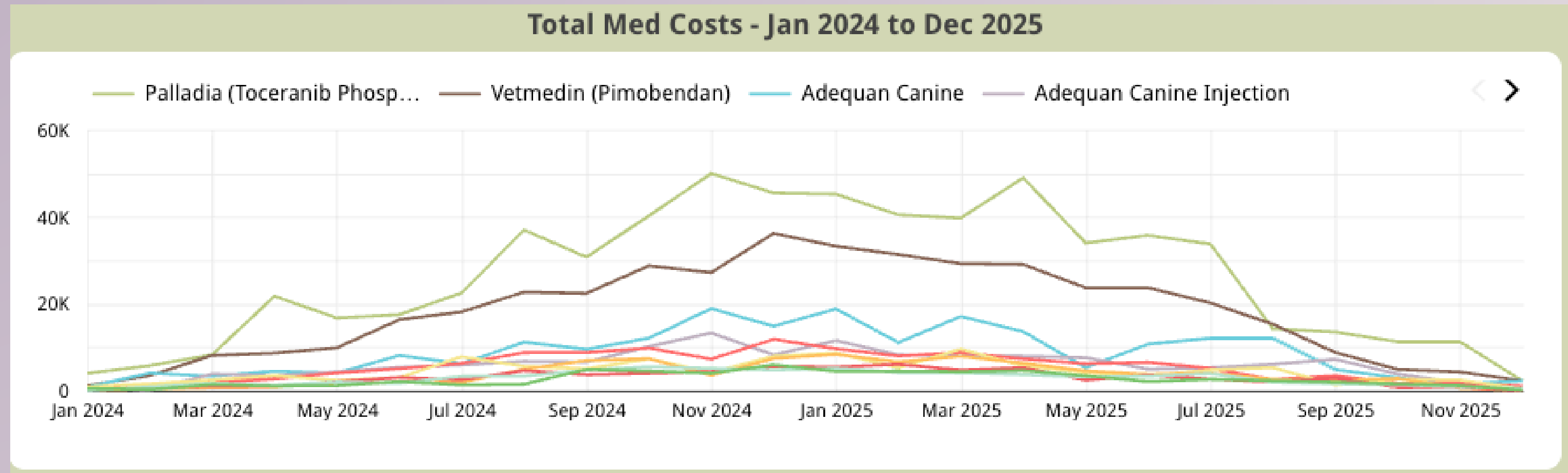
# How does age influence the prevalence of certain diseases?



## Age Influence on Disease Prevalence

- HCM (in cats) increases with age
  - Older cats are more susceptible
- Hip Dysplasia is most common in the middle age group
- Arthritis is highest in the 0–5 age bucket
  - Due to Hamsters being most affected
  - Hamsters appear only in this age range

# How does spending on medications change over time?

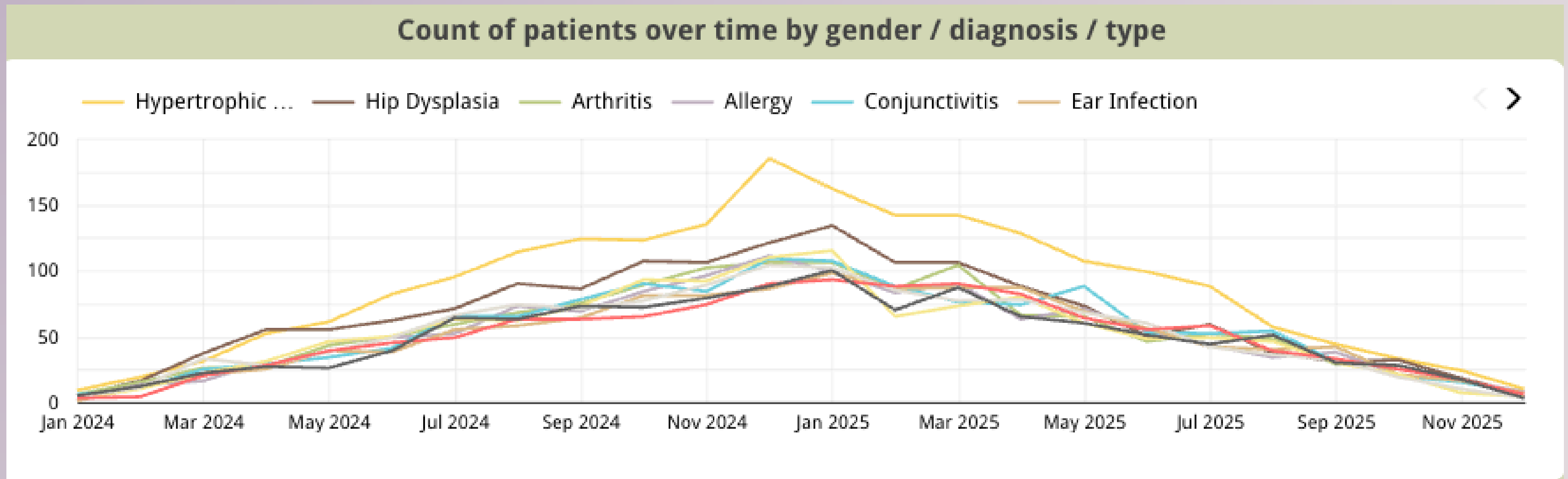


## Medication Spending Trend Over Time

- Palladia (cancer medication) has the highest total cost
- Vetmedin (for HCM) is the second highest
- Spending trend mirrors patient visits:
  - Starts low in Jan 2024
  - Peaks in Dec 2024
  - Gradual decline through Dec 2025



# Is there an increase in diagnoses of certain types over time?



## Diagnosis Trends Over Time

- HCM is the most common diagnosis over time
- Follows a similar trend to medication spending and patient visits:
  - Peaks around Dec 2024
  - Indicates seasonal or progressive increase in cases