



Because we are looking to end euthanasia for otherwise healthy, adoptable pets, only the data for cats and dogs was used to try to understand and answer the following:

- Are euthanasia rates increasing or decreasing?
- Are there certain times of the year needed to focus more heavily on adoption promotions/events or transfers?
- Are adoptions and euthanasia rates or intake totals related?
- What percentage increase in adoption rate needs to happen to eliminate euthanasia?

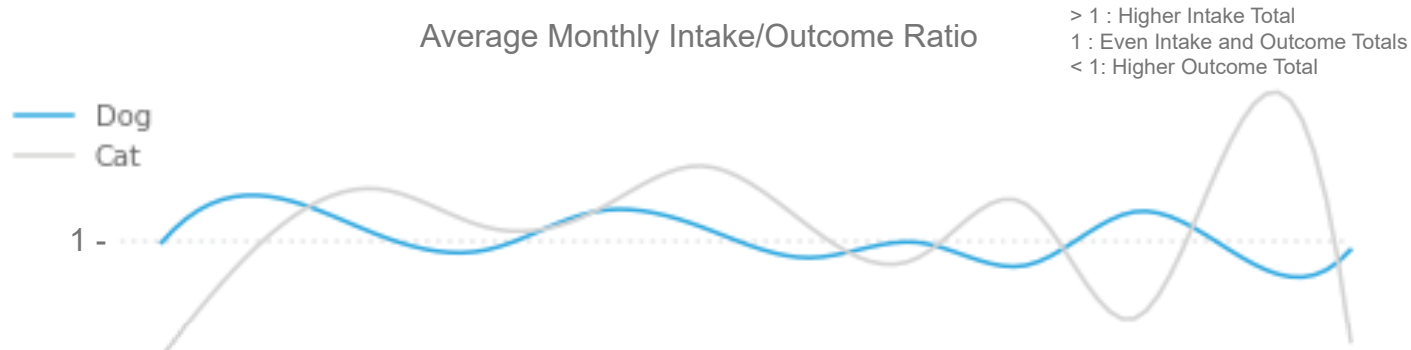
## Definitions:

- Outcome types: Adoption, Transfer, Return to Owner, Dead on Arrival, Died in Care, Euthanasia Request by Owner, Other Euthanasia which includes behavior, health, and capacity reason.
- Live Release Rate (LRR):  $(\text{Adoptions, Return to Owner, Transfers}) / \text{Total Outcomes} - (\text{Dead on Arrival and Died in Care})$
- Euthanasia Rate : (We are only going to look at the 'Other Euthanasia' types for this calculation since this is the only category that includes euthanasia decisions by the shelter):  $\text{Other Euthanasia} / \text{Total Outcomes} - (\text{Dead on Arrival and Died in Care})$

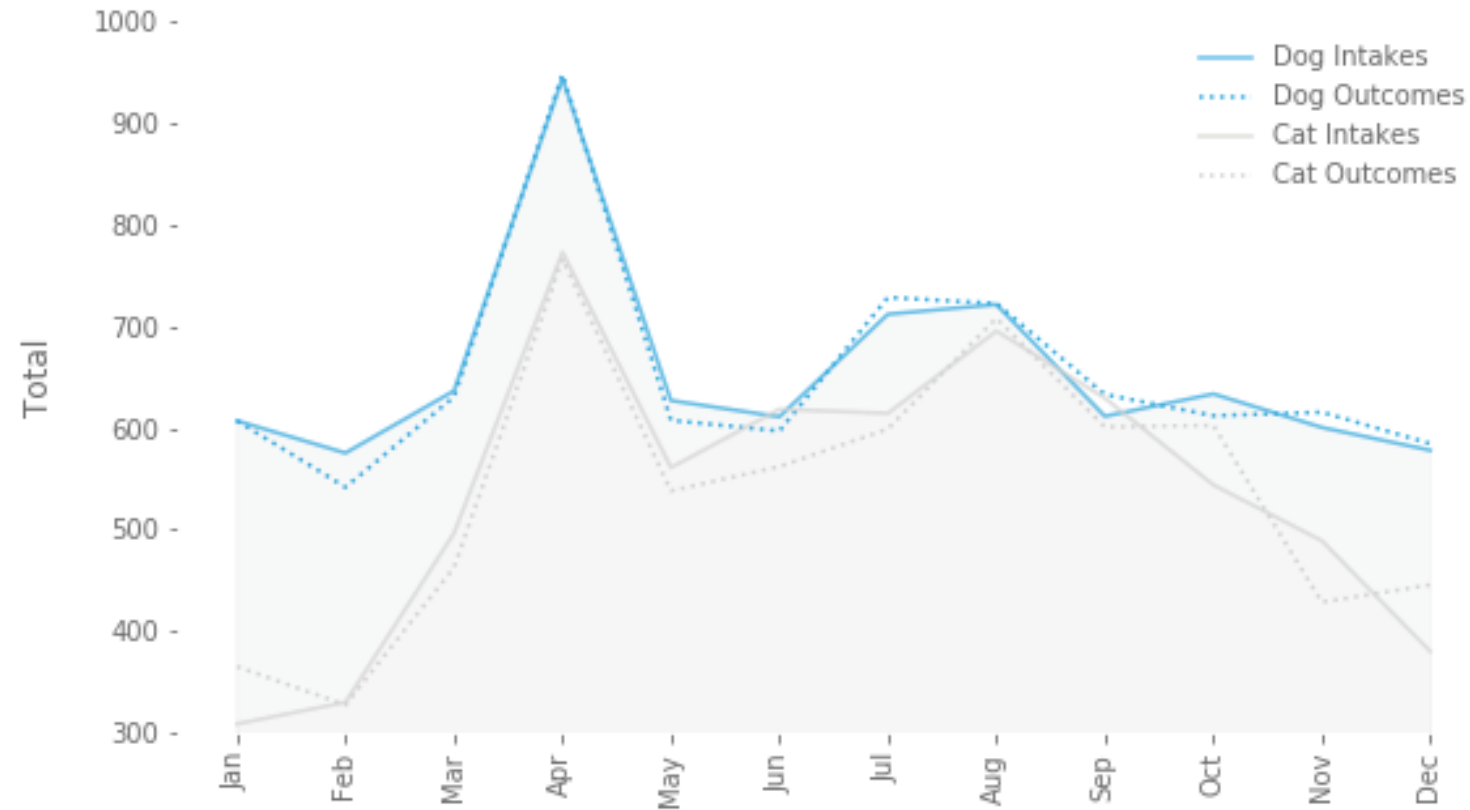


# Intakes/Outcomes

Average Monthly Intake/Outcome Ratio

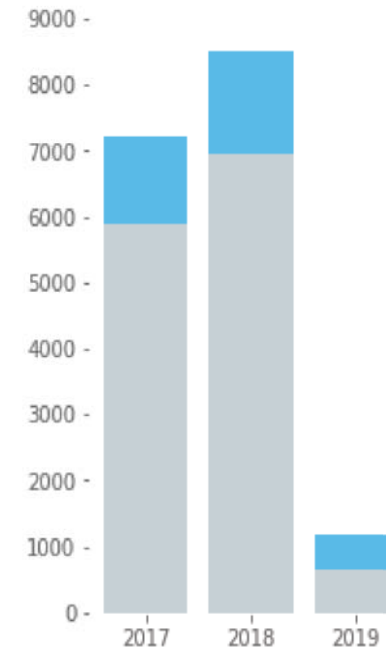


Average Monthly Intake/Outcome

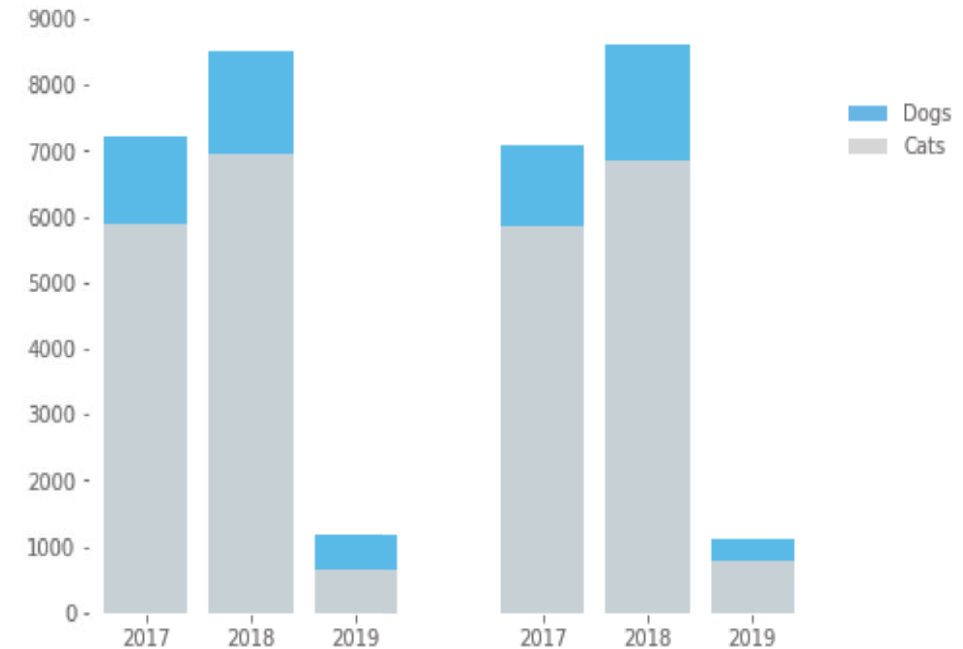


Intake/Outcome totals are kept fairly even each month and each year. There are peaks in the spring and the summer months, suggesting that the focus on adoption promotions or events need to occur during these peak times. The total intakes and outcomes increased per year (looking only at 2017 and 2018), however there is insufficient data amounts to define this as a pattern.

Total Yearly Intake



Total Yearly Outcome

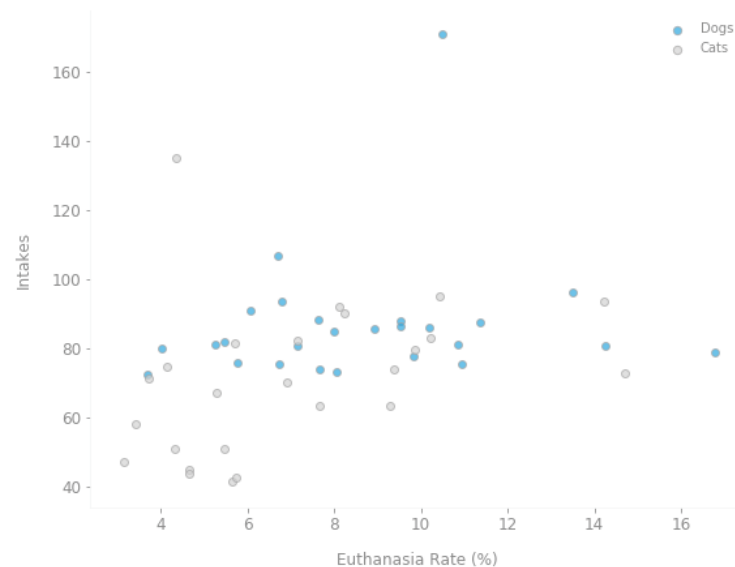




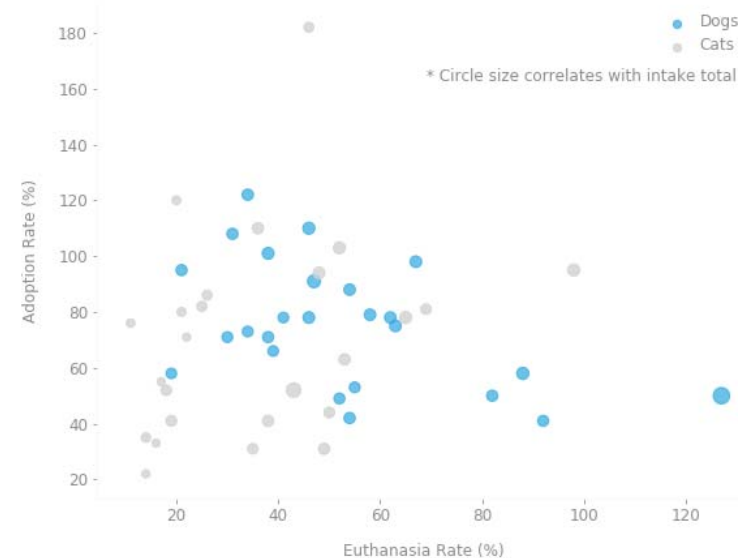
# Euthanasia, Adoption, Transfer Rates

The euthanasia rate for both cats and dogs increases slightly when there is an increase in intakes or an increase in adoption rate, as expected. However, the rates for cats differ from dogs in that the adoption rate and transfer rate appear to have a relationship. The data, however, does not explain which one has the influence over the other.

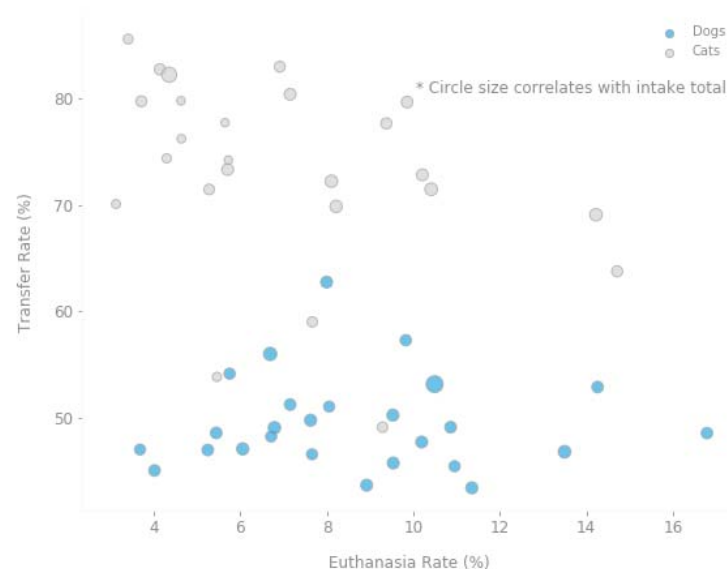
Monthly Euthanasia Rate Vs Intakes



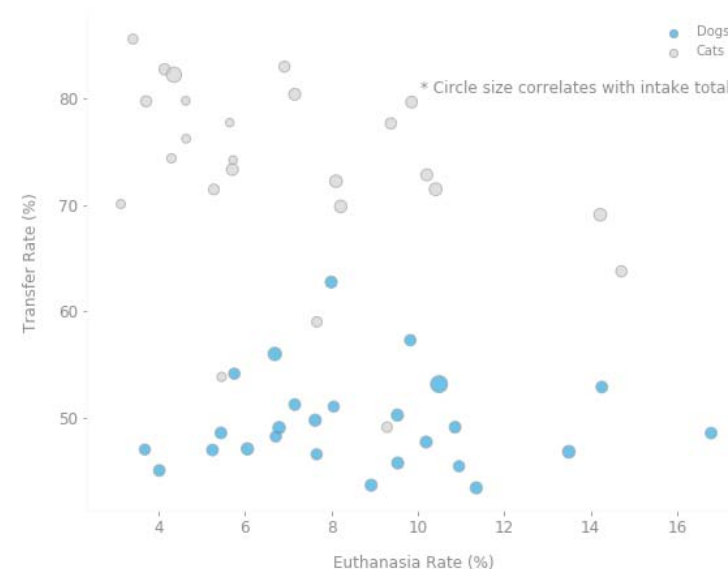
Monthly Euthanasia Rate Vs Adoption Rate



Monthly Euthanasia Rate Vs Transfer Rate



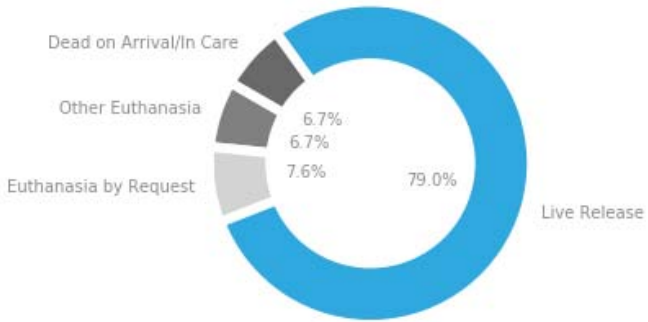
Monthly Euthanasia Rate Vs Transfer Rate



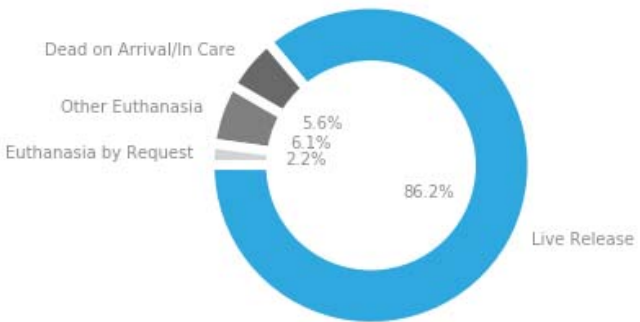


# Life and Death

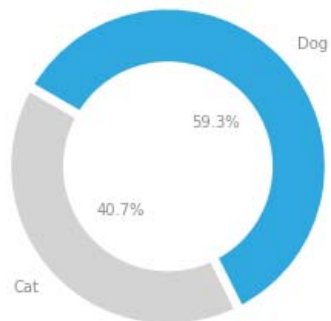
% Total Outcome (Dog)



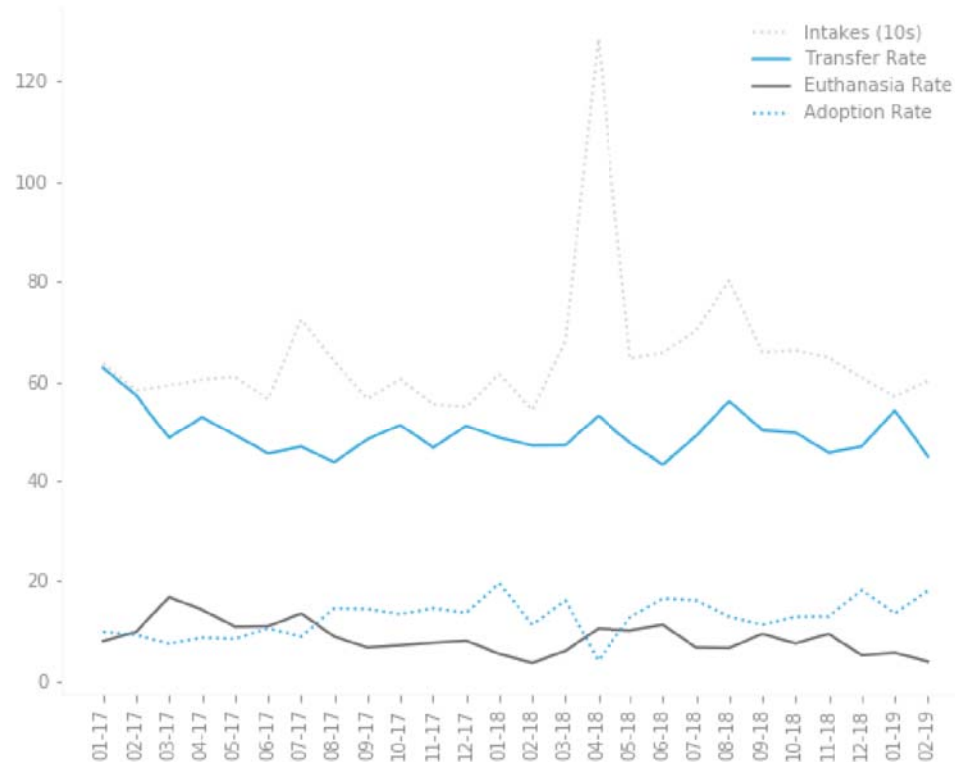
% Total Outcome (Cat)



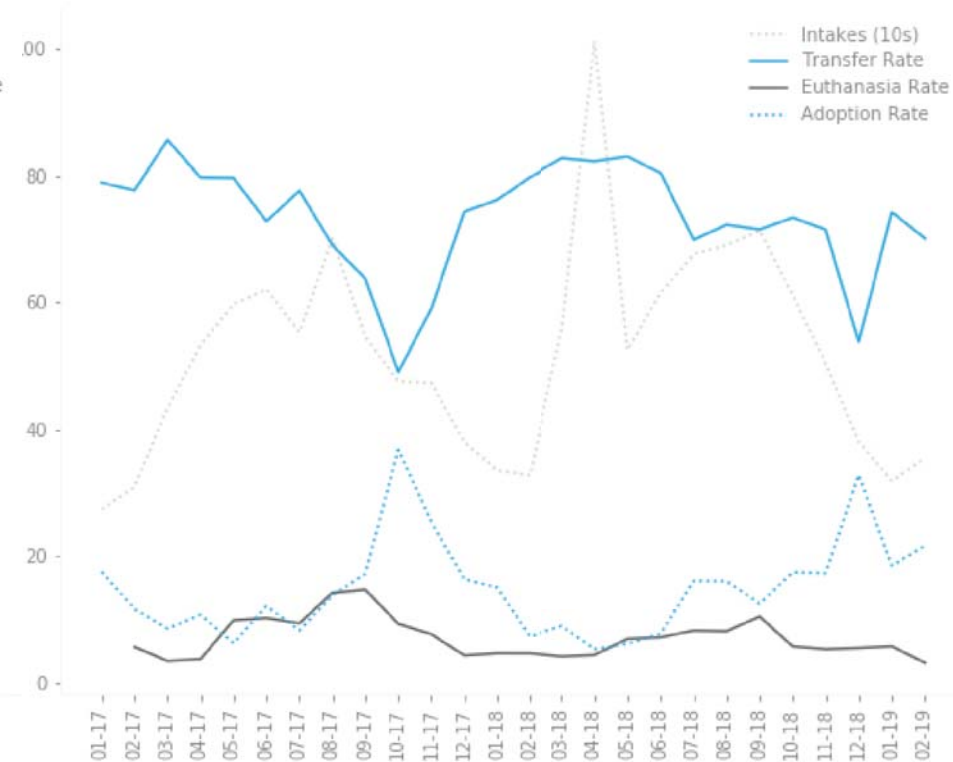
% Total Euthanasia



(Dogs) Growth of Transfer Rate, Euthanasia Rate and Adoption Rate



(Cat) Growth of Transfer Rate, Euthanasia Rate and Adoption Rate

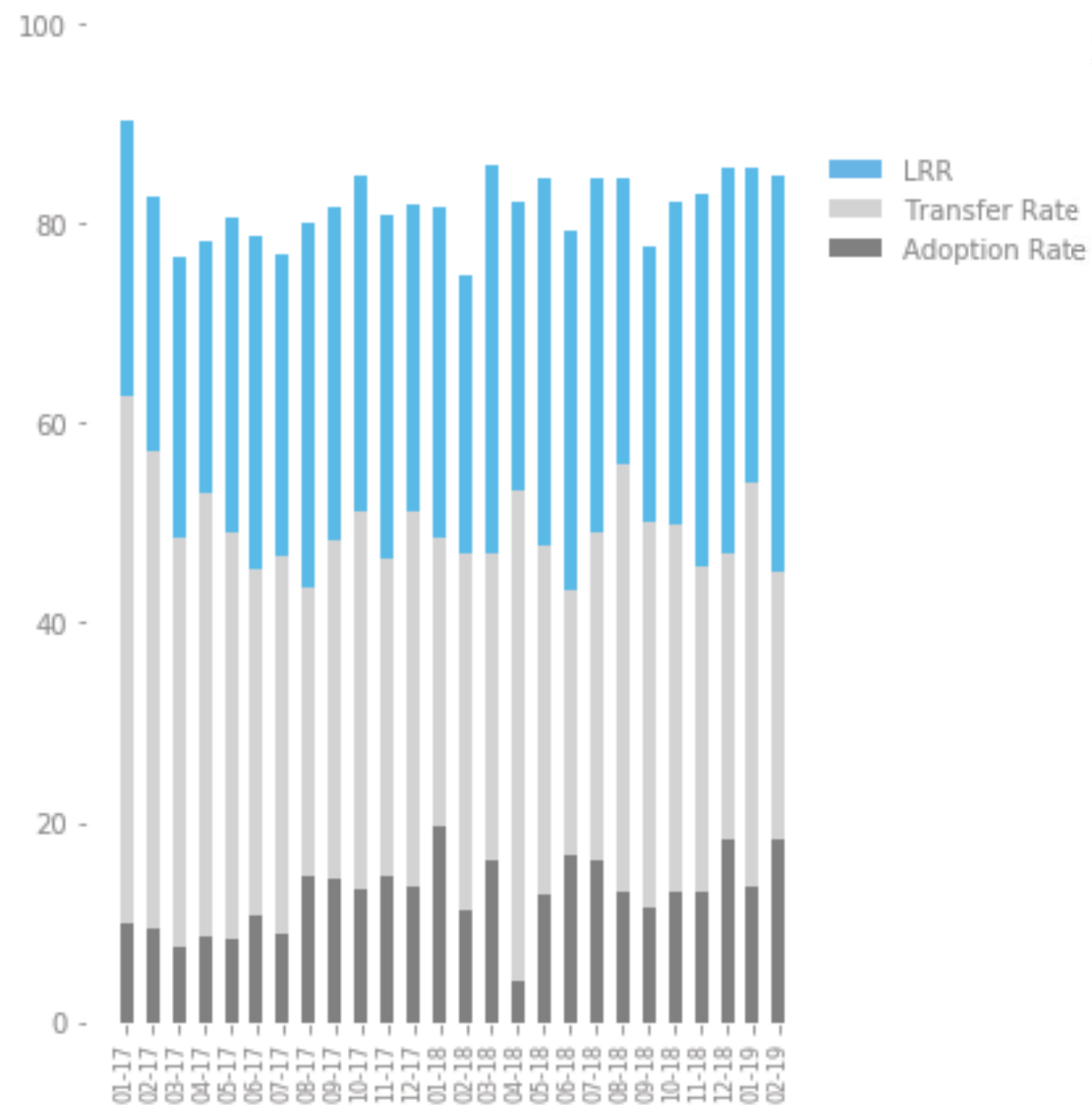


The change in euthanasia rate does not have a strong correlation to the adoption or transfer rates. The adoption rates and transfer rates are consistently matched, but the euthanasia rate has a much softer change in slope. This raises the questions of whether an increase in LRR or intakes has a low influence on the euthanasia rate.

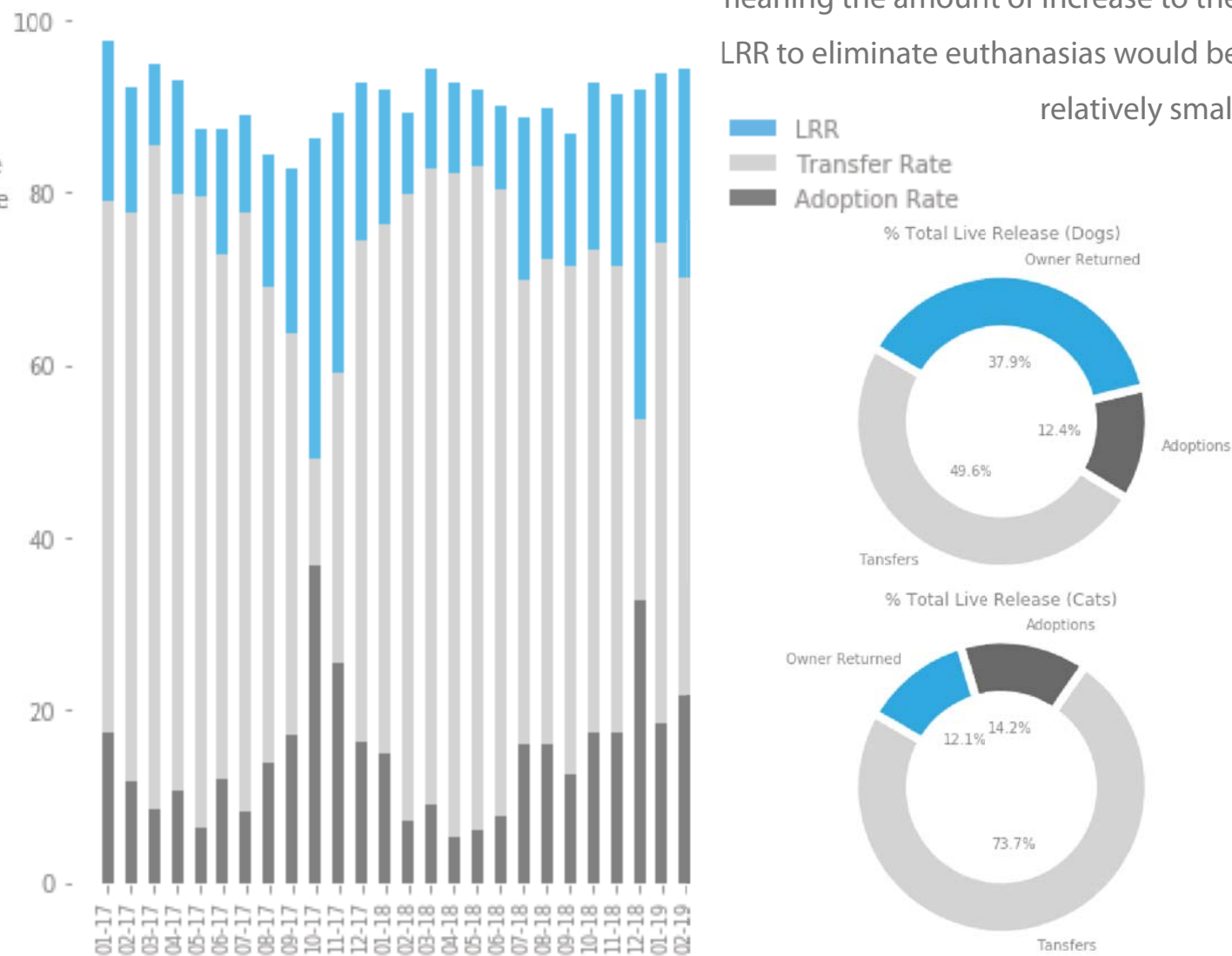


# Live Release Rate

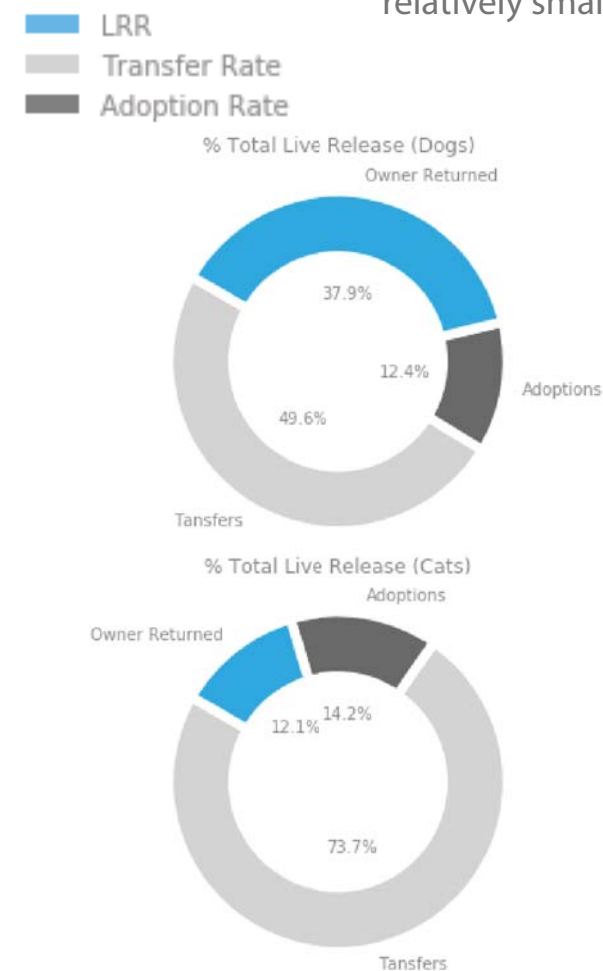
## Monthly LRR (Dogs)



## Monthly LRR (Cats)



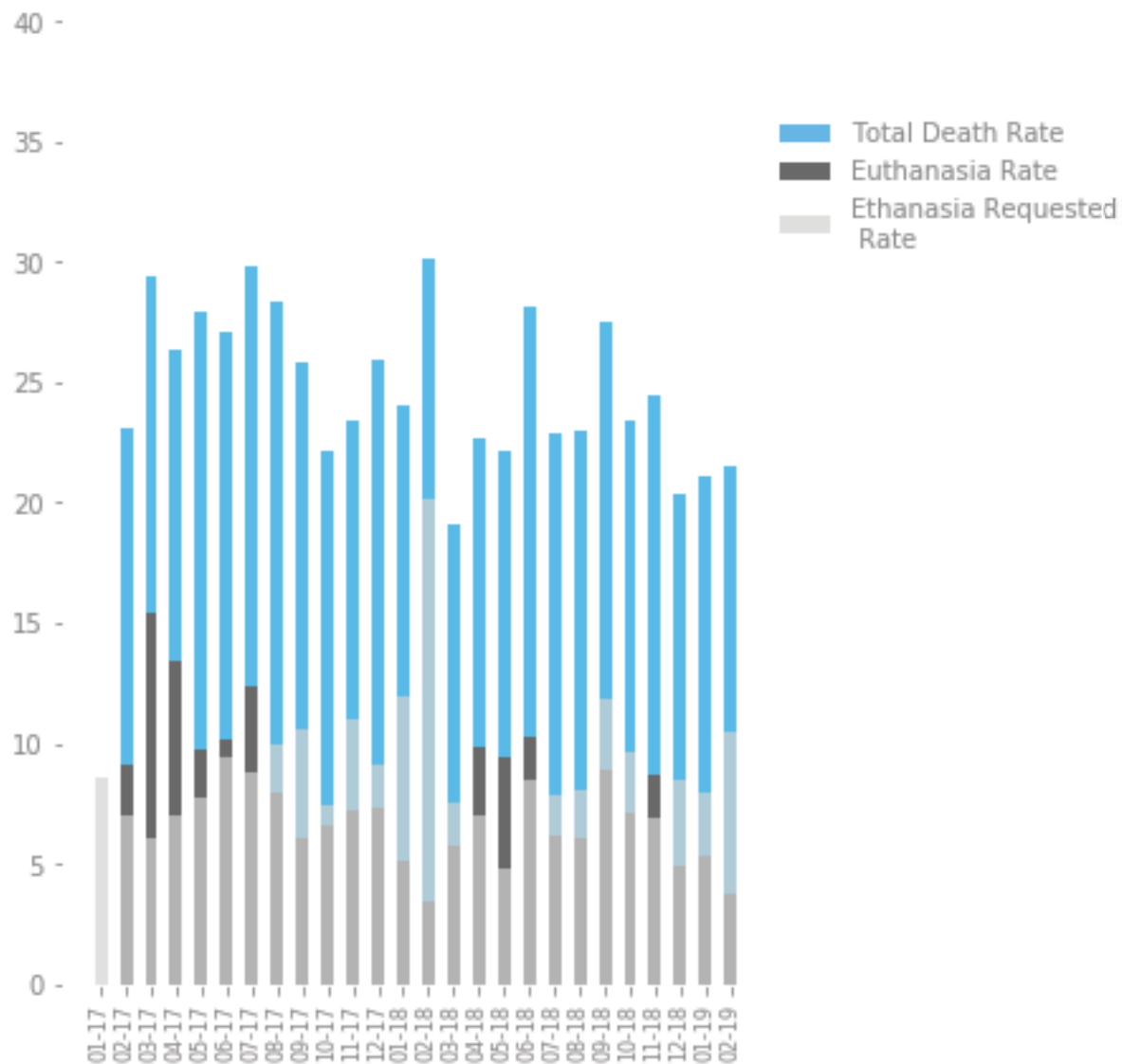
The Live Release Rate is over 80% for cats and over 75% for dogs, meaning the amount of increase to the LRR to eliminate euthanasias would be relatively small



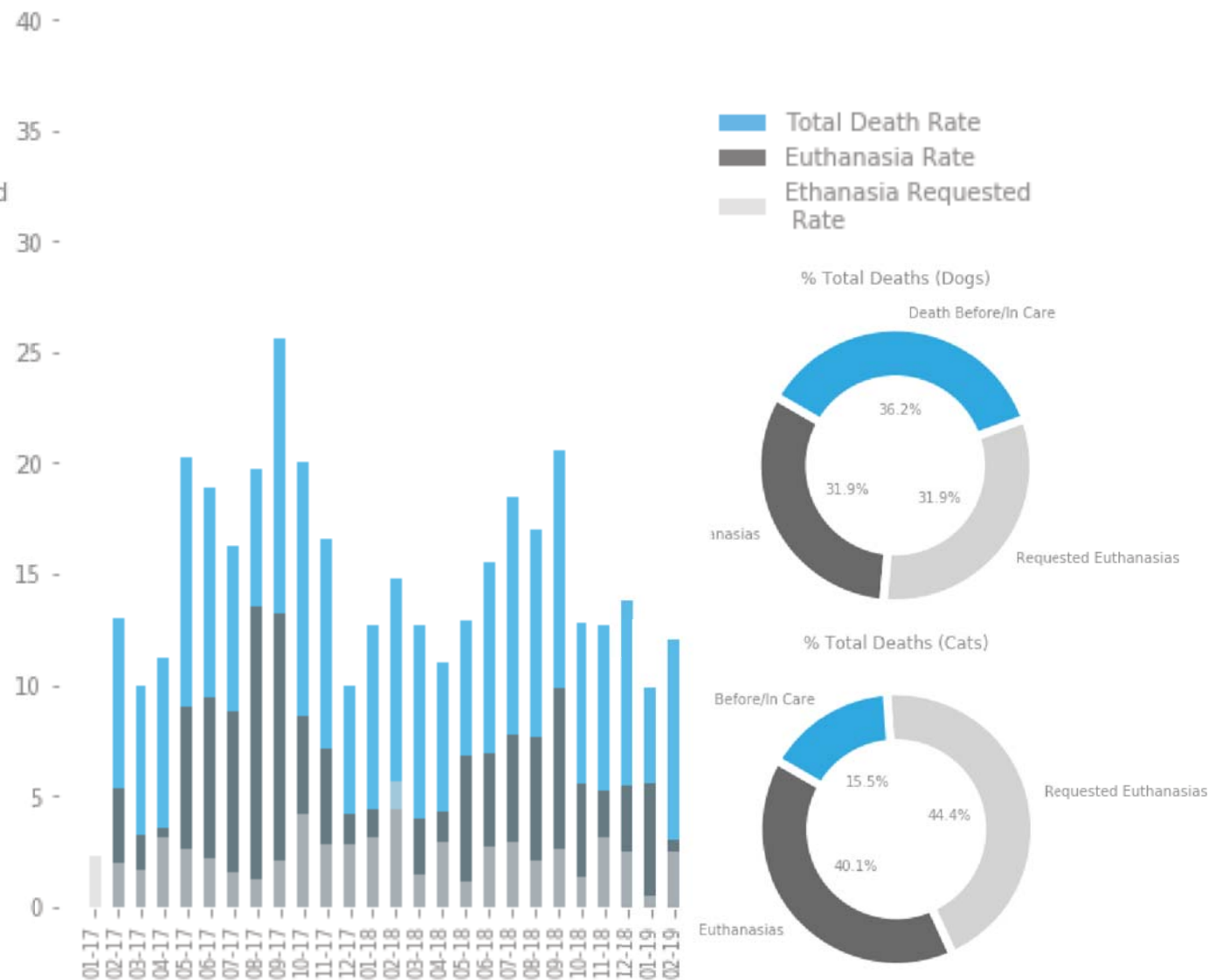


# Death Rate

## Monthly Deaths (Dogs)



## Monthly Deaths (Cats)





# Results

## Live Releases

	Dog	Cat	Percent Total Outcomes (Dog)	Percent Total Outcomes (Cat)
0				
Total Live Released	12728	11471	75.74	84.95
Total Adopted	1934	1808	11.51	13.39
Total Returned to Owner	2996	282	17.83	2.09
Total Transferred	7709	9353	45.88	69.26

## Deaths

	Dog	Cat	Percent Total Outcomes (Dog)	Percent Total Outcomes (Cat)
0				
Total Deaths	4132	2040	24.59	15.11
Total Other Euthanized	1318	905	7.84	6.70
Total Requested Euthanized	1494	317	8.89	2.35
Total Died Before/In Care	1320	818	7.86	6.06

- 3 out 4 dogs leave the CACC alive
  - 1 out 4 dogs don't leave the CACC
  - Around 8% are euthanized for behavioral, illness or capacity reasons
- More than 4 out 5 cats leave the CACC alive
  - 15% of cats don't leave the CACC
  - About 7% of cats are euthanized for behavioral, illness or capacity reasons
- Peak euthanasia rates are in the warmer months
- Adoption rates for cats peak towards the end of each year
- Intake numbers fluctuate but the euthanasia rate stays fairly steady
- Requested euthanasia rates mirror the shelter imposed euthanasia rates