



# Pet Care within HU Community



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## Setup

This survey was done to see how many people at Harrisburg University of Science and Technology have pets and how often they do basic care necessities for them. There was a 95% confidence level that the hypothesis of 75% of survey participants have a pet of any kind.

## Results

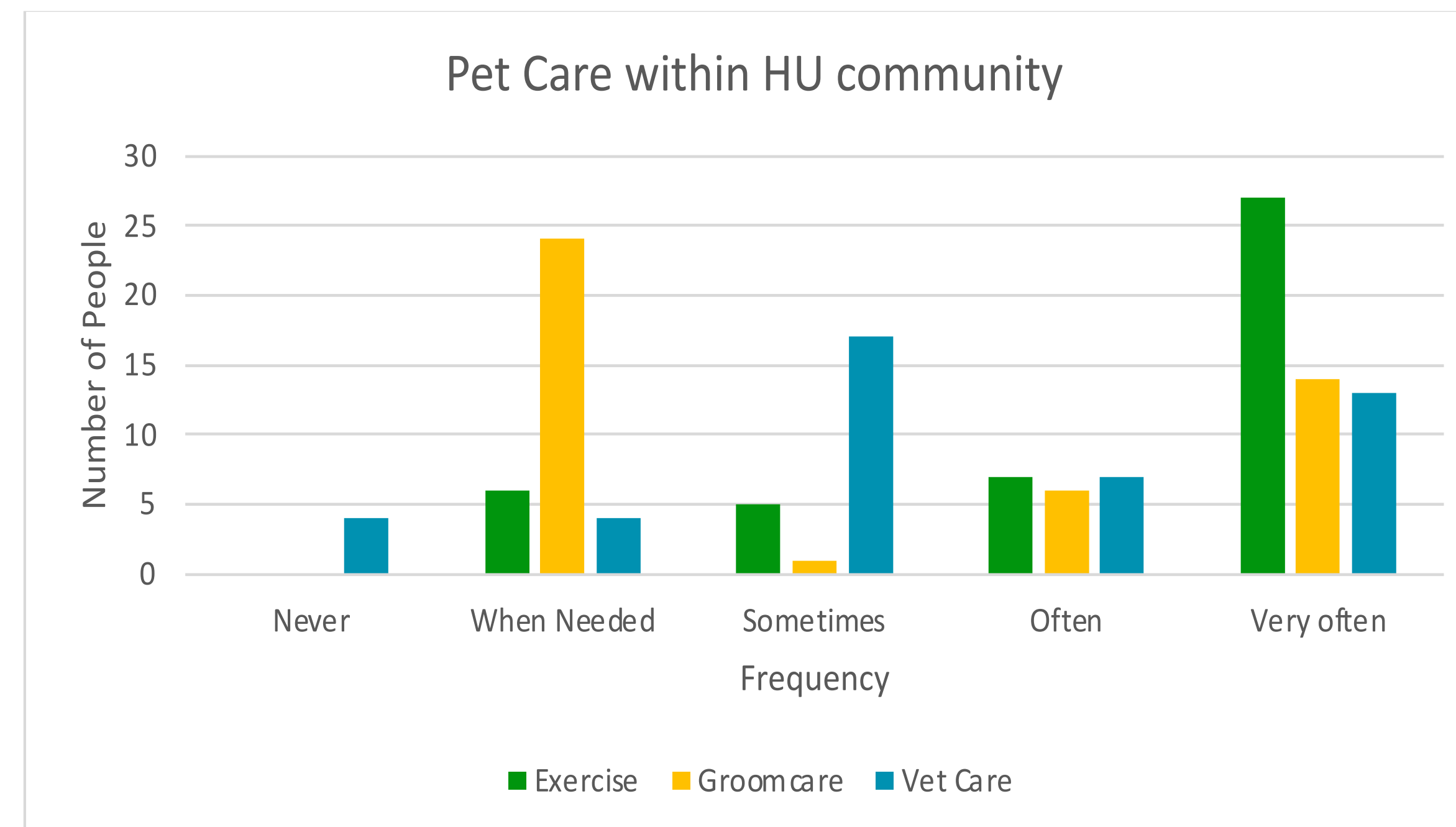
The results show that of the 54 survey participants 45 of them have pets of some kind. Of the 54 participants 21 were male 30 were female and 3 were non-binary. 7 participants were faculty and 47 were students ranging from freshman to senior. 33 participants were in the age range of 18-23. The results show that pet owners keep up on vet care with majority answering say they take their pets to the vet at least once a year or more than that. As well as they make sure their pets get exercise with majority saying that their pets exercise frequently because they have access to a yard which is amazing! But when it comes to grooming needs, they tend to get a little lax with more participants doing when ever needed. Now that might not be true it just depends on the type of pet. Some animals don't need routine grooming

### Standards

- Pets should get walks 3-4 times or have a yard to play in daily
- Pets should get groomed at least a bath every 3-4 weeks
- Pets should go to the vet once a year when after full grown.

## Pets who doesn't love them?

Families having not one, but multiple pets are not unheard of in the time we live in. "The American Pet Products Association (APPA) found that 68% of U.S. households owned some sort of pet in 2016" (Brulliard & Clement, 2019) I hypothesized that if a survey was conducted around HU, then of all the participants 75% of them would have pets.



Exercise Key	
Very often	They have a yard to play in
Often	3+ times a day
Sometimes	Twice a day
When needed	Once a day

Grooming Key	
Very often	Every month
Often	Every 2 months
Sometimes	Every 6 months
When needed	When ever needed

Vet Care Key	
Very ofttern	Every couple months
Often	Twice a year
Sometimes	Once a year
When needed	Emergency only
Never	They don't go to the vet

## Who's involved?

A survey was conducted around Harrisburg University through outlook forms asking both student and faculty basic pet care questions. The survey consisted of nine questions, six being basic background and three questions about pet care. The pet care questions asked; how often you walk your pet? How often do you groom your pet, and how often your pet gets a checkup? The survey consisted of 54 participants. The results were put into a bar graph.

## Statistical Analysis

The hypothesis stated in the beginning said that 75% of the survey participants would in have a pet of some kind. The null hypothesis is then  $H_0: P=75\%$ . The alternate hypothesis chosen was  $H_a: P >75\%$ . If the null hypothesis is to get rejected then, that means more then 75% of the survey participants have a pet of some kind. After gathering the data and preforming statistical calculations using the p-value method I found that the test statistic is 0.06. After looking it's found that the p-value for 0.06 is 0.94. 0.94 is larger than 0.05. This shows that more than 75% of the people surveyed have a pet of some kind. The data gathered of the 54 survey participants shows 83% of them have a pet of some kind. Based on calculations done a margin of error was found to be 6%. With this knowledge we are 95% confident that 73% to 93% of people in the HU community have pets of some kind. This shows that the null hypothesis ( $H_0: P=75\%$ ) has been rejected. But the alternate hypothesis ( $H_a: P>75\%$ ) has been proven.

## References

Brulliard, K., & Clement, S. (2019, January 31). *How many Americans have pets? an investigation of fuzzy statistics*. The Washington Post. From <https://www.washingtonpost.com/science/2019/01/31/how-many-americans-have-pets-an-investigation-into-fuzzy-statistics/>