



All questions are required unless stated otherwise. Please answer to the best of your ability.

You may not know all these things in exact detail. Please do your best to estimate responses.

Earlier you indicated that your primary address is *[street address, city, state and ZIP entered in Owner Contact form]*.

If owner listed a primary and secondary address on Owner Contact form: You also indicated your secondary address is *[secondary street address, city, state and ZIP entered in Owner Contact form]*.

Other than what is listed above, how many additional residences have you lived in with your dog in their lifetime?

[de_lifetime_residence_count]

- | | | |
|-------------------------|-------------------------|--------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 4 | <input type="radio"/> 8 |
| <input type="radio"/> 1 | <input type="radio"/> 5 | <input type="radio"/> 9 |
| <input type="radio"/> 2 | <input type="radio"/> 6 | <input type="radio"/> 10 |
| <input type="radio"/> 3 | <input type="radio"/> 7 | |

Other than what is listed above, how many ZIP codes in the US have you lived in with your dog? [de_past_residence_zip_count]

- | | | |
|-------------------------|-------------------------|--------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 4 | <input type="radio"/> 8 |
| <input type="radio"/> 1 | <input type="radio"/> 5 | <input type="radio"/> 9 |
| <input type="radio"/> 2 | <input type="radio"/> 6 | <input type="radio"/> 10 |
| <input type="radio"/> 3 | <input type="radio"/> 7 | |

If response to last question was >0:

Please enter those ZIP codes below.

First ZIP code: Withheld

Second ZIP code: Withheld

Third ZIP code: Withheld

Fourth ZIP code: Withheld

Fifth ZIP code: Withheld

Sixth ZIP code: Withheld

Seventh ZIP code: Withheld

Eighth ZIP code: Withheld

Ninth ZIP code: Withheld

Tenth ZIP code: Withheld



Other than the United States, how many other countries have you lived in with your dog? [de_past_residence_country_count]

- | | | |
|-------------------------|-------------------------|--------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 4 | <input type="radio"/> 8 |
| <input type="radio"/> 1 | <input type="radio"/> 5 | <input type="radio"/> 9 |
| <input type="radio"/> 2 | <input type="radio"/> 6 | <input type="radio"/> 10 |
| <input type="radio"/> 3 | <input type="radio"/> 7 | |

If response to last question was >0, use the "Country List" appendix at the end of this form to answer the following question:

Please enter those countries below.

First country: [de_past_residence_country_1]

Second country: [de_past_residence_country_2]

Third country: [de_past_residence_country_3]

Fourth country: [de_past_residence_country_4]

Fifth country: [de_past_residence_country_5]

Sixth country: [de_past_residence_country_6]

Seventh country: [de_past_residence_country_7]

Eighth country: [de_past_residence_country_8]

Ninth country: [de_past_residence_country_9]

Tenth country: [de_past_residence_country_10]

A preliminary version of these questions asked participants to type out the name of each past country. For those records, see these _text variables.

or [de_past_residence_country1_text]

or [de_past_residence_country2_text]

Indoor home environment

These questions refer to your current PRIMARY residence. If you indicated you have a secondary residence, you will be asked about that residence at a later time.

Type of area: [de_home_area_type]

- 1 ☐ Urban (residing inside the city)
- 2 ☐ Suburban (residing outside of the an urban center, inside a neighborhood)
- 3 ☐ Rural (living outside of the city and suburbs, often on a sizable lot or acreage)



Type of home: **[de_home_type]**

- 1** ☐ Single family
- 2** ☐ Multifamily (such as a duplex)
- 3** ☐ Apartment
- 4** ☐ Condo or townhome
- 5** ☐ Mobile home or RV
- 98** ☐ Other: **[de_home_type_other_description]** _____

Approximately when was your home built? **[de_home_construction_decade]**

- 1** ☐ <1900 **5** ☐ 1930s **9** ☐ 1970s **13** ☐ 2010-current
- 2** ☐ 1900s **6** ☐ 1940s **10** ☐ 1980s
- 3** ☐ 1910s **7** ☐ 1950s **11** ☐ 1990s
- 4** ☐ 1920s **8** ☐ 1960s **12** ☐ 2000

How many years have you lived in this home? **[de_home_years_lived_in]**

- ☐ <1 **0** ☐ 4 ☐ 8 ☐ 12
- ☐ 1 ☐ 5 ☐ 9 ☐ 13
- ☐ 2 ☐ 6 ☐ 10 ☐ 14
- ☐ 3 ☐ 7 ☐ 11 ☐ 15+ **15**

What is the approximate square footage of your home, including only spaces that are finished and heated?

[de_home_square_footage]

(Please enter only numbers, no decimals or commas, e.g. 2000)

Primary heating fuel source: **[de_primary_heat_fuel]**

- 1** ☐ Natural gas
- 2** ☐ Electric
- 3** ☐ Oil
- 4** ☐ Wood
- 5** ☐ Propane
- 99** ☐ Unknown
- 98** ☐ Other: **[de_primary_heat_fuel_other_description]** _____



Does your home have a secondary heating fuel source? [de_secondary_heat_fuel_used]

- 1 ☐ Yes →
- 0 ☐ No
- 99 ☐ Unknown

Secondary heating fuel source: [de_secondary_heat_fuel]

- 1 ☐ Natural gas
- 2 ☐ Electric
- 3 ☐ Oil
- 4 ☐ Wood
- 5 ☐ Propane
- 99 ☐ Unknown
- 98 ☐ Other: [de_secondary_heat_fuel_other_description]

Which of the following is the fuel that heats the stove you use for cooking most often in your home? [de_primary_stove_fuel]

- 1 ☐ Natural gas
- 2 ☐ Electric
- 3 ☐ Oil
- 4 ☐ Wood
- 5 ☐ Propane
- 99 ☐ Unknown
- 98 ☐ Other: [de_primary_stove_fuel_other_description]

Do you use any other fuel source for cooking at home? [de_secondary_stove_fuel_used]

- 1 ☐ Yes →
- 0 ☐ No
- 99 ☐ Unknown

Secondary cooking fuel source: [de_secondary_stove_fuel]

- 1 ☐ Natural gas
- 2 ☐ Electric
- 3 ☐ Oil
- 4 ☐ Wood
- 5 ☐ Propane
- 99 ☐ Unknown
- 98 ☐ Other: [de_secondary_stove_fuel_other_description]



What is your dog's usual source of drinking water? [de_drinking_water_source]

- 1 ☐ Municipal
- 2 ☐ Non-municipal well water (treated/filtered)
- 3 ☐ Non-municipal well water (untreated/unfiltered)
- 4 ☐ Bottled or commercially delivered
- 98 ☐ Other: [de_drinking_water_source_other_description]
- 99 ☐ Don't know

Do you use water filtration for your dog's drinking water? [de_drinking_water_is_filtered]

- 1 ☐ Yes
- 0 ☐ No
- 99 ☐ Unknown

Do you know what types of pipes are in your home (inbound water)? [de_pipe_type]

- ☐ Yes →
- 0 ☐ No

What types of pipes do you have in your home? [de_pipe_type]

1 ☐ Copper or metal

2 ☐ PVC or plastic

98 ☐ Other: [de_pipe_type_other_description]

Please indicate the number of hours per day, on average, over the past two months that your dog has been exposed to secondhand smoke from all sources, including, cigarettes, cigars, and pipes. [de_second_hand_smoke_hours_per_day]

_____ (Enter a number between 0 and 24)

Which of the following are present in your home?

| | Yes | No | Unknown |
|---|-------------------------|-------------------------|--------------------------|
| Central air conditioning [de_central_air_conditioning_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Room or window unit air conditioner [de_room_or_window_air_conditioning_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Central heat [de_central_heat_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Asbestos [de_asbestos_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |

(continued)



Which of the following are present in your home?

| | Yes | No | Unknown |
|--|-------------------------|-------------------------|--------------------------|
| Radon [de_radon_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Lead paint [de_lead_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Moth balls [de_mothball_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Incense or scented candles [de_incense_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Aerosol or plug-in air fresheners [de_air_freshener_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Standalone air cleaners [de_air_cleaner_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| HEPA filters in air circulation [de_hepa_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Wood burning fireplace or wood stove [de_wood_fireplace_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |



If yes:

Number of times wood-burning fireplace or wood stove is lit per week during cold months: [de_wood_fireplace_lightings_per_week]

| | | |
|-----------------------------|-------------------------|------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 3 | <input type="radio"/> 7 |
| 97 <input type="radio"/> <1 | <input type="radio"/> 4 | <input type="radio"/> 8 |
| <input type="radio"/> 1 | <input type="radio"/> 5 | <input type="radio"/> 9 |
| <input type="radio"/> 2 | <input type="radio"/> 6 | 10 <input type="radio"/> 10+ |

| | Yes | No | Unknown |
|--|-------------------------|-------------------------|--------------------------|
| Gas fireplace [de_gas_fireplace_present] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |



If yes:

Number of times gas fireplace is lit per week during cold months: [de_gas_fireplace_lightings_per_week]

| | | |
|-----------------------------|-------------------------|------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 3 | <input type="radio"/> 7 |
| 97 <input type="radio"/> <1 | <input type="radio"/> 4 | <input type="radio"/> 8 |
| <input type="radio"/> 1 | <input type="radio"/> 5 | <input type="radio"/> 9 |
| <input type="radio"/> 2 | <input type="radio"/> 6 | 10 <input type="radio"/> 10+ |



Which flooring types are present in your home?

| | Yes | No | If yes: How often is the dog on this flooring type? | | | |
|---|-------------------------|-------------------------|---|-------------------------|-------------------------|---|
| | | | Very often | Occasionally | Rarely | Never |
| Wood [de_floor_types_wood] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_wood] |
| Carpet [de_floor_types_carpet] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_carpet] |
| Concrete [de_floor_types_concrete] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_concrete] |
| Tile (ceramic or porcelain), stone [de_floor_types_tile] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_tile] |
| Linoleum [de_floor_types_linoleum] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_linoleum] |
| Laminate [de_floor_types_laminate] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_laminate] |
| Is there another flooring type in your home? [de_floor_types_other] | 1 <input type="radio"/> | 0 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> [de_floor_frequency_on_other] |

What is the type of flooring? [de_floor_types_other_description]

Is there a staircase with more than 8 stairs that your dog uses regularly? [de_stairs_in_home]

1 ☐ Yes
0 ☐ No

On a typical day, about how many times does your dog go up or down the stairs? [de_stairs_avg_flights_per_day]

- | | | | | |
|-----------------------------|-------------------------|--------------------------|--------------------------|------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 4 | <input type="radio"/> 9 | <input type="radio"/> 14 | <input type="radio"/> 19 |
| 97 <input type="radio"/> <1 | <input type="radio"/> 5 | <input type="radio"/> 10 | <input type="radio"/> 15 | 20 <input type="radio"/> 20+ |
| <input type="radio"/> 1 | <input type="radio"/> 6 | <input type="radio"/> 11 | <input type="radio"/> 16 | |
| <input type="radio"/> 2 | <input type="radio"/> 7 | <input type="radio"/> 12 | <input type="radio"/> 17 | |
| <input type="radio"/> 3 | <input type="radio"/> 8 | <input type="radio"/> 13 | <input type="radio"/> 18 | |



Home behaviors

Does your dog regularly lick, chew, or play with toys? **[de_routine_toys]**

1 ☐ Yes —————>

0 ☐ No

[de_routine_toys_include_plastic]

[de_routine_toys_include_stuffed_fabric]

[de_routine_toys_include_unstuffed_fabric]

[de_routine_toys_include_rubber]

[de_routine_toys_include_metal]

[de_routine_toys_include_animal_products]

[de_routine_toys_include_latex]

[de_routine_toys_include_rope]

[de_routine_toys_include_tennis_balls]

[de_routine_toys_include_sticks]

[de_routine_toys_include_other_yn]

Which types of toys does your dog routinely lick, chew, or play with?

| | Yes | No | Unknown |
|--|--------------------------------|--------------------------------|---------------------------------|
| Plastic | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Stuffed fabric | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Unstuffed fabric | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Rubber | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Metal | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Animal origin (rawhide, pig ear, bully stick, bone, etc.) | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Latex | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Rope | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Tennis ball | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Sticks | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |
| Other: [de_routine_toys_ other_description] | 1 <input type="radio"/> | 0 <input type="radio"/> | 99 <input type="radio"/> |

How many hours does your dog spend playing with toys in an average day?

[de_routine_toys_hours_per_day]

_____ (Enter a number between 0 and 24)

Home - Sleep

Where does your dog typically sleep at night? **[de_nighttime_sleep_location]**

1 ☐ In my room

2 ☐ Elsewhere in the house

3 ☐ In a garage or barn

4 ☐ Outside

98 ☐ Other: **[de_nighttime_sleep_location_other_description]**

How many hours does your dog sleep in an average night? **[de_nighttime_sleep_avg_hours]**

_____ (Enter a number between 0 and 24) OR: ☐ Don't know **99**



Does your dog sleep in a different location during the day? [de_daytime_sleep_location_different]

1 ☐ Yes → Where does your dog typically sleep during the day? [de_daytime_sleep_location]

0 ☐ No

1 ☐ In your room

2 ☐ Elsewhere in the house

3 ☐ In a garage or barn

4 ☐ Outside

98 ☐ Other: [de_daytime_sleep_location_other_description]

How many hours does your dog sleep on an average day? [de_daytime_sleep_avg_hours]

_____ (Enter a number between 0 and 24) OR: ☐ Don't know 99

Does your dog regularly lick or chew items in the household or environment other than toys?

[de_licks_chews_or_plays_with_non_toys]

1 ☐ Yes

0 ☐ No

In the past 12 months, how many times has your dog ingested a poison, hazardous material, or unintended substance **other than feces** either inside or outside the home? [de_recent_toxins_or_hazards_ingested_frequency]

0 ☐ Never →

1 ☐ 1-2 times

2 ☐ Greater than 2 times

What was the material ingested? Variable format: de_recent_toxins_or_hazards_ingested...

☐ Chocolate [...chocolate]

☐ Dead animal, bird, rodent [...dead_animal]

☐ Poison [...poison]

☐ Toys/part of toys [...toys]

☐ Unintended human medication [...human_medication]

☐ Clothing [...clothing]

☐ Unintended other pet medication [...pet_medication]

☐ Other: [...other_description]

☐ Garbage or unintended food [...garbage_or_food]

← [...other]

Did any of the materials ingested require a visit to your veterinarian or emergency clinic? [de_recent_toxins_or_hazards_ingested_required_vet]

1 ☐ Yes

0 ☐ No



Social environment at home

Are there other animals present in your home or on your property? [de_other_present_animals]

1 ☐ Yes

0 ☐ No

What types of animals?

| | Yes | No | |
|--------------|--------------------------------|--------------------------------|---|
| Dogs | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_dogs] |
| Cats | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_cats] |
| Birds | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_birds] |
| Reptiles | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_reptiles] |
| Livestock | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_livestock] |
| Horses | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_horses] |
| Rodents | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_rodents] |
| Fish | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_fish] |
| Wildlife | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_wildlife] |
| Other: _____ | 1 <input type="radio"/> | 0 <input type="radio"/> | [de_other_present_animals_other] |

[de_other_present_animals_other_description]

Total number of indoor animals EXCLUDING your dog. These include animals that are indoor/outdoor. If you are considering fish in your answer, please count them by tanks, rather than individual fish. [de_other_present_animals_indoor_count]

- | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 3 | <input type="radio"/> 6 | <input type="radio"/> 9 |
| <input type="radio"/> 1 | <input type="radio"/> 4 | <input type="radio"/> 7 | <input type="radio"/> 10 |
| <input type="radio"/> 2 | <input type="radio"/> 5 | <input type="radio"/> 8 | <input type="radio"/> >10 11 |

Total number of outdoor animals that live at your home EXCLUDING your dog. These are animals that live exclusively outdoors, do NOT include wildlife.

[de_other_present_animals_outdoor_count]

- | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 3 | <input type="radio"/> 6 | <input type="radio"/> 9 |
| <input type="radio"/> 1 | <input type="radio"/> 4 | <input type="radio"/> 7 | <input type="radio"/> 10 |
| <input type="radio"/> 2 | <input type="radio"/> 5 | <input type="radio"/> 8 | <input type="radio"/> >10 11 |

Does your dog interact with the other animals in or outside the home?

[de_other_present_animals_interact_with_dog]

1 ☐ Yes

0 ☐ No



A typical, 24-hour day for your dog

How consistent is your dog's daily routine? We understand that this can vary. Please just provide your best estimate.

[de_routine_consistency]

- 1 ☐ Same routine every day
- 2 ☐ Same routine on weekdays only
- 3 ☐ Same routine 3-5 days a week
- 4 ☐ Same routine on weekends only
- 5 ☐ Same routine on most weekends and same routine on most weekdays
- 0 ☐ No daily routine / my routine varies a lot

Please answer the questions below considering the most common type of day in your dog's routine. This refers to both day and nighttime within a "normal" 24-hour period. If your dog has free access (through a dog door or open house/yard) to indoors and outdoors, please estimate the time for each to the best of your ability.

Enter 0, <1, or a number
between 1 and 24

<1 = 97

On a typical day, how many hours does your dog spend in a crate or cage? [de_routine_hours_per_day_in_crate]

On a typical day, how many hours does your dog spend free roaming in your house? [de_routine_hours_per_day_roaming_house]

On a typical day, how many hours does your dog spend in a garage or shop? [de_routine_hours_per_day_in_garage]

On a typical day, how many hours does your dog spend in an outdoor kennel? [de_routine_hours_per_day_in_outdoor_kennel]

On a typical day, how many hours does your dog spend in a fenced yard or other type of outdoor containment? [de_routine_hours_per_day_in_yard]

On a typical day, how many hours does your dog spend free roaming outside? (not contained within a fenced yard or other type of outdoor containment)? [de_routine_hours_per_day_roaming_outside]

On a typical day, how many hours does your dog spend outside on a chain or lead? [de_routine_hours_per_day_chained_outside]

On a typical day, how much time does your dog spend in a different location? [de_routine_hours_per_day_away_from_home]

On a typical day, how many hours does your dog spend interacting with other animals? [de_routine_hours_per_day_with_other_animals]

On a typical day, how much time does your dog interact with you or other adults? [de_routine_hours_per_day_with_other_adults]

On a typical day, how much time does your dog interact with teenagers (13-17)? [de_routine_hours_per_day_with_teens]

On a typical day, how much time does your dog interact with children under 12 years old? [de_routine_hours_per_day_with_children]



Yard

About how large is the yard or property at your residence? **[de_property_area]**

- 0** ☐ I do not have a yard or my dog does not use a yard —————→ *Skip to “Is your home treated to control insects and pests?”*
- 1** ☐ Less than 500 square feet
- 2** ☐ 500 to 1000 square feet
- 3** ☐ 1000 to 5000 square feet
- 4** ☐ Between 5000 square feet and 1 acre
- 5** ☐ 1 - 3 acres
- 6** ☐ More than 3 acres

Does your dog have regular access to the yard or property? **[de_property_accessible]**

- 1** ☐ Yes —————→
- 0** ☐ No —————→

Skip to “Is your home treated to control insects and pests?”

How much of the yard or property does your dog have regular access to?

- 1** ☐ Less than 500 square feet **[de_property_area_accessible]**
- 2** ☐ 500 to 1000 square feet
- 3** ☐ 1000 to 5000 square feet
- 4** ☐ Between 5000 square feet and 1 acre
- 5** ☐ 1 - 3 acres
- 6** ☐ More than 3 acres

Is your dog contained within the yard when they have access?

- 1** ☐ Yes, dog is contained by a fence or barrier **[de_property_containment_type]**
- 2** ☐ Yes, dog is contained by a lead or chain
- 3** ☐ Yes, dog is contained in a kennel
- 5** ☐ Yes, dog is contained by an invisible fence
- 6** ☐ Yes, dog is contained by an electric fence
- 4** ☐ Yes, dog is contained in another way: **[de_property_containment_type_other_description]**
- 0** ☐ No, dog is not contained

When your dog is outside, which sources of drinking water do they use? *(Select all that apply)*

- [de_property_drinking_water_bowl]** ☐ Bowl **[de_property_drinking_water_other]** ☐ Other: **[de_property_drinking_water_other_description]**
- [de_property_drinking_water_hose]** ☐ Hose ☐ Don't know **[de_property_drinking_water_unknown]**
- [de_property_drinking_water_puddles]** ☐ Puddles ☐ None **Withheld**

(continued)



(continued)

Is your yard treated to control weeds? [de_property_weed_control_frequency]

- ☐ Yes
- 0** ☐ No
- 99** ☐ Unknown

How often applied? [de_property_weed_control_frequency]

- 1** ☐ Regularly applied, year round
- 2** ☐ Regularly applied, seasonally (part of the year)
- 3** ☐ Irregularly applied, year round
- 4** ☐ Irregularly applied, seasonally (part of the year)
- 5** ☐ Infrequently
- 0** ☐ Never

Is your home treated to control insects and pests? [de_property_pest_control_frequency]

- ☐ Yes
- 0** ☐ No
- 99** ☐ Unknown

How often applied? [de_property_pest_control_frequency]

- 1** ☐ Regularly applied, year round
- 2** ☐ Regularly applied, seasonally (part of the year)
- 3** ☐ Irregularly applied, year round
- 4** ☐ Irregularly applied, seasonally (part of the year)
- 5** ☐ Infrequently
- 0** ☐ Never

How often do you see your dog eating grass? [de_eats_grass_frequency]

- 1** ☐ Frequently
- 2** ☐ Infrequently
- 0** ☐ Never



Does your dog consume feces? [de_eats_feces]

- 1 ☐ Yes
- 0 ☐ No
- 99 ☐ Unknown

What type of feces does your dog consume? (select all that apply)

- ☐ Dog (its own) [de_eats_feces_own_feces]
- ☐ Dog (not own) [de_eats_feces_other_dog]
- ☐ Cat [de_eats_feces_cat]
- ☐ Horse [de_eats_feces_horse]
- ☐ Cattle [de_eats_feces_cattle]
- ☐ Wildlife [de_eats_feces_wildlife]
- [de_eats_feces_other] ☐ Other: [de_eats_feces_other_description]

Does your dog drink from outdoor water sources (such as lake, river, stream, pond, puddles, etc.)? [de_drinks_outdoor_water]

- 1 ☐ Yes
- 0 ☐ No

How frequently? [de_drinks_outdoor_water_frequency]

- 1 ☐ Daily
- 2 ☐ Weekly
- 3 ☐ Monthly
- 4 ☐ Rarely

Neighborhood

How often can traffic noise be heard from inside your home? [de_traffic_noise_in_home_frequency]

- 0 ☐ Never
- 1 ☐ Seldom
- 2 ☐ Sometimes
- 3 ☐ Usually
- 4 ☐ Always
- 99 ☐ Unknown



If dog has access to a yard:

How often can traffic noise be heard from your yard? [de_traffic_noise_in_property_frequency]

- 0 ☐ Never
- 1 ☐ Seldom
- 2 ☐ Sometimes
- 3 ☐ Usually
- 4 ☐ Always
- 99 ☐ Unknown

Are there sidewalks present in your neighborhood? [de_neighborhood_has_sidewalks]

- 1 ☐ Yes, on all the streets
- 2 ☐ Yes, on some streets
- 0 ☐ No

Are there parks or green spaces within half a mile of your home? [de_neighborhood_has_parks]

- 1 ☐ Yes
- 0 ☐ No

Does your dog interact with other animals in your neighborhood? [de_interacts_with_neighborhood_animals]

- 1 ☐ Yes
- 0 ☐ No

Are you always present when this interaction occurs? [de_interacts_with_neighborhood_animals_without_owner]

- 1 ☐ Yes
- 0 ☐ No

Does your dog interact with other humans in your neighborhood? [de_interacts_with_neighborhood_humans]

- 1 ☐ Yes
- 0 ☐ No

Are you always present when this interaction occurs? [de_interacts_with_neighborhood_humans_without_owner]

- 1 ☐ Yes
- 0 ☐ No



Extralocal

Do you ever take your dog to parks or open spaces built specifically for dogs (dog parks)? **[de_dogpark]**

1 ☐ Yes

0 ☐ No

On average, how many days per month does this occur? **[de_dogpark_days_per_month]**

- 97** ☐ <1 ☐ 7 ☐ 14 ☐ 21 ☐ 28
☐ 1 ☐ 8 ☐ 15 ☐ 22 ☐ 29
☐ 2 ☐ 9 ☐ 16 ☐ 23 ☐ 30
☐ 3 ☐ 10 ☐ 17 ☐ 24 ☐ 31
☐ 4 ☐ 11 ☐ 18 ☐ 25
☐ 5 ☐ 12 ☐ 19 ☐ 26
☐ 6 ☐ 13 ☐ 20 ☐ 27

When you take your dog to these other locations, how do you typically get there?
(Select all that apply)

[de_dogpark_travel_walk] ☐ Walk

[de_dogpark_travel_drive] ☐ Drive (car or other vehicle)

[de_dogpark_travel_bike] ☐ Bike

[de_dogpark_travel_public_transportation] ☐ Public transportation

[de_dogpark_travel_other] ☐ Other: **[de_dogpark_travel_other_description]**

How long does it take you to get to these locations? Select the amount of time
that most closely matches the transit time.

Hours: **[de_dogpark_travel_time_minutes]**

- ☐ 0 ☐ 4 ☐ 8 ☐ 12+ **12**
☐ 1 ☐ 5 ☐ 9
☐ 2 ☐ 6 ☐ 10
☐ 3 ☐ 7 ☐ 11

Minutes: **[de_dogpark_travel_time_minutes]**

- ☐ 00 ☐ 30
☐ 15 ☐ 45



Do you ever take your dog to parks or other open spaces meant for recreational activities? [de_recreational_spaces]

1 ☐ Yes →

0 ☐ No

On average, how many days per month does this occur? [de_recreational_spaces_days_per_month]

- 97** ☐ <1 ☐ 7 ☐ 14 ☐ 21 ☐ 28
☐ 1 ☐ 8 ☐ 15 ☐ 22 ☐ 29
☐ 2 ☐ 9 ☐ 16 ☐ 23 ☐ 30
☐ 3 ☐ 10 ☐ 17 ☐ 24 ☐ 31
☐ 4 ☐ 11 ☐ 18 ☐ 25
☐ 5 ☐ 12 ☐ 19 ☐ 26
☐ 6 ☐ 13 ☐ 20 ☐ 27

When you take your dog to these other locations, how do you typically get there?
(Select all that apply)

- ☐ Walk [de_recreational_spaces_travel_walk]
☐ Drive (car or other vehicle) [de_recreational_spaces_travel_drive]
☐ Bike [de_recreational_spaces_travel_bike]
☐ Public transportation [de_recreational_spaces_travel_public_transportation]
☐ Other: [de_recreational_spaces_travel_other_description]
↖ [de_recreational_spaces_travel_other]

How long does it take you to get to these locations? Select the amount of time that most closely matches the transit time.

Hours: [de_recreational_spaces_travel_time_minutes]

- ☐ 0 ☐ 4 ☐ 8 ☐ 12+ **12**
☐ 1 ☐ 5 ☐ 9
☐ 2 ☐ 6 ☐ 10
☐ 3 ☐ 7 ☐ 11

Minutes: [de_recreational_spaces_travel_time_minutes]

- ☐ 00 ☐ 30
☐ 15 ☐ 45



Do you ever take your dog to work? **[de_work]**

1 ☐ Yes →

0 ☐ No

On average, how many days per month does this occur? **[de_work_days_per_month]**

- 97** ☐ <1 ☐ 7 ☐ 14 ☐ 21 ☐ 28
☐ 1 ☐ 8 ☐ 15 ☐ 22 ☐ 29
☐ 2 ☐ 9 ☐ 16 ☐ 23 ☐ 30
☐ 3 ☐ 10 ☐ 17 ☐ 24 ☐ 31
☐ 4 ☐ 11 ☐ 18 ☐ 25
☐ 5 ☐ 12 ☐ 19 ☐ 26
☐ 6 ☐ 13 ☐ 20 ☐ 27

When you take your dog to work, how do you typically get there? *(Select all that apply)*

- ☐ Walk **[de_work_travel_walk]**
☐ Drive (car or other vehicle) **[de_work_travel_drive]**
☐ Bike **[de_work_travel_bike]**
☐ Public transportation **[de_work_travel_public_transportation]**
☐ Other: **[de_work_travel_other_description]**
 ↖ **[de_work_travel_other]**

How long does it take you to get to work? Select the amount of time that most closely matches the transit time.

Hours: **[de_work_travel_time_minutes]**

- ☐ 0 ☐ 4 ☐ 8 ☐ 12+ **12**
☐ 1 ☐ 5 ☐ 9
☐ 2 ☐ 6 ☐ 10
☐ 3 ☐ 7 ☐ 11

Minutes: **[de_work_travel_time_minutes]**

- ☐ 00 ☐ 30
☐ 15 ☐ 45



Do you ever take your dog to a sitter or daycare center? [de_sitter_or_daycare]

1 ☐ Yes

0 ☐ No

On average, how many days per month does this occur? [de_sitter_or_daycare_days_per_month]

- 97** ☐ <1 ☐ 7 ☐ 14 ☐ 21 ☐ 28
☐ 1 ☐ 8 ☐ 15 ☐ 22 ☐ 29
☐ 2 ☐ 9 ☐ 16 ☐ 23 ☐ 30
☐ 3 ☐ 10 ☐ 17 ☐ 24 ☐ 31
☐ 4 ☐ 11 ☐ 18 ☐ 25
☐ 5 ☐ 12 ☐ 19 ☐ 26
☐ 6 ☐ 13 ☐ 20 ☐ 27

When you take your dog to a sitter/daycare, how do you typically get there?
(Select all that apply)

- ☐ Walk [de_sitter_or_daycare_travel_walk]
☐ Drive (car or other vehicle) [de_sitter_or_daycare_travel_drive]
☐ Bike [de_sitter_or_daycare_travel_bike]
☐ Public transportation [de_sitter_or_daycare_travel_public_transportation]
☐ Other: [de_sitter_or_daycare_travel_other_description]
[de_sitter_or_daycare_travel_other]

How long does it take you to get to a sitter or daycare center? Select the amount of time that most closely matches the transit time.

Hours: [de_sitter_or_daycare_travel_time_minutes]

- ☐ 0 ☐ 4 ☐ 8 ☐ 12+ **12**
☐ 1 ☐ 5 ☐ 9
☐ 2 ☐ 6 ☐ 10
☐ 3 ☐ 7 ☐ 11

Minutes: [de_sitter_or_daycare_travel_time_minutes]

- ☐ 00 ☐ 30
☐ 15 ☐ 45

Woof! You've successfully completed the Environment section of the Health and Life Experience Survey! A central goal of the Dog Aging Project is to describe the very different environments of dogs living across the United States and understand how these may be involved with aging. If you're ready to move on, please continue with the next section once you are returned to the portal. If it's time to take your dog for a walk, don't worry. All your answers have been saved, and you can return to your personal portal to continue at any time.

Use this list to complete the “Environment” questionnaire.

| | | | |
|---------------------------------------|--|---|---|
| US, United States of America | CU, Cuba | JP, Japan | NO, Norway |
| AF, Afghanistan | CW, Curaçao | JE, Jersey | OM, Oman |
| AX, Åland Islands | CY, Cyprus | JO, Jordan | PK, Pakistan |
| AL, Albania | CZ, Czechia | KZ, Kazakhstan | PW, Palau |
| DZ, Algeria | DK, Denmark | KE, Kenya | PS, Palestine, State of |
| AS, American Samoa | DJ, Djibouti | KI, Kiribati | PA, Panama |
| AD, Andorra | DM, Dominica | KP, Korea, Democratic People's Republic of | PG, Papua New Guinea |
| AO, Angola | DO, Dominican Republic | KR, Korea, Republic of | PY, Paraguay |
| AI, Anguilla | EC, Ecuador | KW, Kuwait | PE, Peru |
| AQ, Antarctica | EG, Egypt | KG, Kyrgyzstan | PH, Philippines |
| AG, Antigua and Barbuda | SV, El Salvador | LA, Lao People's Democratic Republic | PN, Pitcairn |
| AR, Argentina | GQ, Equatorial Guinea | LV, Latvia | PL, Poland |
| AM, Armenia | ER, Eritrea | LB, Lebanon | PT, Portugal |
| AW, Aruba | EE, Estonia | LS, Lesotho | PR, Puerto Rico |
| AU, Australia | SZ, Eswatini | LR, Liberia | QA, Qatar |
| AT, Austria | ET, Ethiopia | LY, Libya | RE, Réunion |
| AZ, Azerbaijan | FK, Falkland Islands (Malvinas) | LI, Liechtenstein | RO, Romania |
| BS, Bahamas | FO, Faroe Islands | LT, Lithuania | RU, Russian Federation |
| BH, Bahrain | FJ, Fiji | LU, Luxembourg | RW, Rwanda |
| BD, Bangladesh | FI, Finland | MO, Macao | BL, Saint Barthélemy |
| BB, Barbados | FR, France | MG, Madagascar | SH, Saint Helena, Ascension and Tristan da Cunha |
| BY, Belarus | GF, French Guiana | MW, Malawi | KN, Saint Kitts and Nevis |
| BE, Belgium | PF, French Polynesia | MY, Malaysia | LC, Saint Lucia |
| BZ, Belize | TF, French Southern Territories | MV, Maldives | MF, Saint Martin (French part) |
| BJ, Benin | GA, Gabon | ML, Mali | PM, Saint Pierre and Miquelon |
| BM, Bermuda | GM, Gambia | MT, Malta | VC, Saint Vincent and the Grenadines |
| BT, Bhutan | GE, Georgia | MH, Marshall Islands | WS, Samoa |
| BO, Bolivia | DE, Germany | MQ, Martinique | SM, San Marino |
| BQ, Bonaire, Sint Eustatius and Saba | GH, Ghana | MR, Mauritania | ST, Sao Tome and Principe |
| BA, Bosnia and Herzegovina | GI, Gibraltar | MU, Mauritius | SA, Saudi Arabia |
| BW, Botswana | GR, Greece | YT, Mayotte | SN, Senegal |
| BV, Bouvet Island | GL, Greenland | MX, Mexico | RS, Serbia |
| BR, Brazil | GD, Grenada | FM, Micronesia, Federated States of | SC, Seychelles |
| IO, British Indian Ocean Territory | GP, Guadeloupe | MD, Moldova, Republic of | SL, Sierra Leone |
| BN, Brunei Darussalam | GU, Guam | MC, Monaco | SG, Singapore |
| BG, Bulgaria | GT, Guatemala | MN, Mongolia | SX, Sint Maarten (Dutch part) |
| BF, Burkina Faso | GG, Guernsey | ME, Montenegro | SK, Slovakia |
| BI, Burundi | GN, Guinea | MS, Montserrat | SI, Slovenia |
| CV, Cabo Verde | GW, Guinea-Bissau | MA, Morocco | SB, Solomon Islands |
| KH, Cambodia | GY, Guyana | MZ, Mozambique | SO, Somalia |
| CM, Cameroon | HT, Haiti | MM, Myanmar | ZA, South Africa |
| CA, Canada | HM, Heard Island and McDonald Islands | NA, Namibia | GS, South Georgia and the South Sandwich Islands |
| KY, Cayman Islands | VA, Holy See (Vatican City State) | NR, Nauru | SS, South Sudan |
| CF, Central African Republic | HN, Honduras | NP, Nepal | ES, Spain |
| TD, Chad | HK, Hong Kong | NL, Netherlands | LK, Sri Lanka |
| CL, Chile | HU, Hungary | NC, New Caledonia | SD, Sudan |
| CN, China | IS, Iceland | NZ, New Zealand | SR, Suriname |
| CX, Christmas Island | IN, India | NI, Nicaragua | SJ, Svalbard and Jan Mayen |
| CC, Cocos (Keeling) Islands | ID, Indonesia | NE, Niger | SE, Sweden |
| CO, Colombia | IR, Iran, Islamic Republic of | NG, Nigeria | CH, Switzerland |
| KM, Comoros | IQ, Iraq | NU, Niue | SY, Syrian Arab Republic |
| CG, Congo | IE, Ireland | NF, Norfolk Island | TW, Taiwan, Province of China[a] |
| CD, Congo, Democratic Republic of the | IM, Isle of Man | MK, North Macedonia | |
| CK, Cook Islands | IL, Israel | MP, Northern Mariana Islands | |
| CR, Costa Rica | IT, Italy | | |
| CI, Côte d'Ivoire | JM, Jamaica | | |
| HR, Croatia | | | |



Use this list to complete the “Environment” questionnaire.

TJ, Tajikistan
TZ, Tanzania, United Republic of
TH, Thailand
TL, Timor-Leste
TG, Togo
TK, Tokelau
TO, Tonga
TT, Trinidad and Tobago
TN, Tunisia
TR, Turkey
TM, Turkmenistan
TC, Turks and Caicos Islands
TV, Tuvalu
UG, Uganda
UA, Ukraine
AE, United Arab Emirates
GB, United Kingdom
UM, United States Minor Outlying
Islands
UY, Uruguay
UZ, Uzbekistan
VU, Vanuatu
VE, Venezuela (Bolivarian Republic of)
VN, Viet Nam
VG, Virgin Islands (British)
VI, Virgin Islands (U.S.)
WF, Wallis and Futuna
EH, Western Sahara
YE, Yemen
ZM, Zambia
ZW, Zimbabwe