



HASS Pet Supply-Demand Project

USA Dog & Cat Demographics & Trends

by

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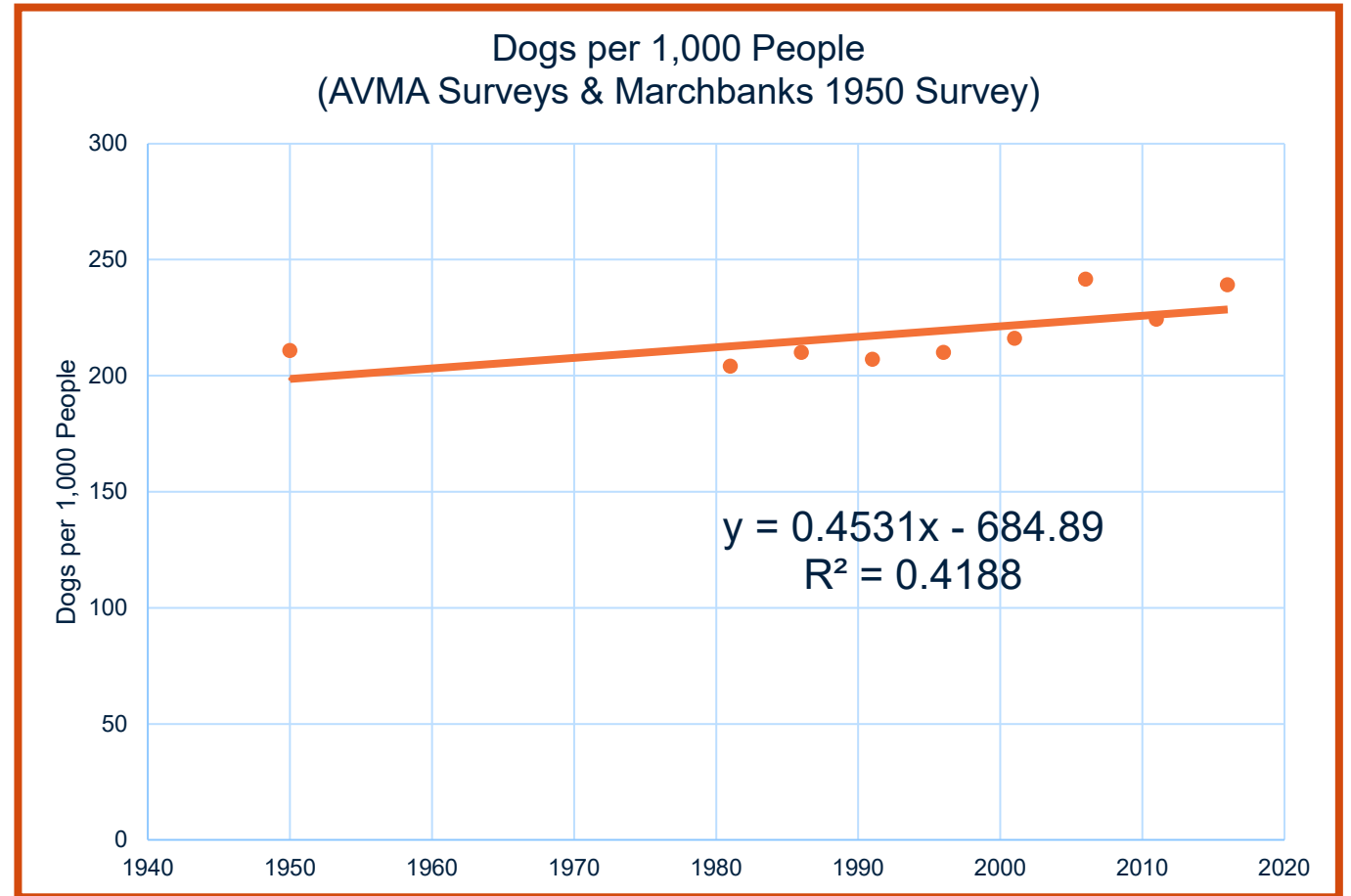
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Trends in Relative Dog Populations

- The rate of dog ownership in the USA has changed very little in 70 years.
- The total dog population increases with the human population.
- In 1976, there were 76.8 million dogs (AVMA) and 38% of households had dogs.
- There is a 4-fold variation in the rate of dog ownership across states (105 to 460 dogs/1,000).





Relative Dog Populations in Different Countries

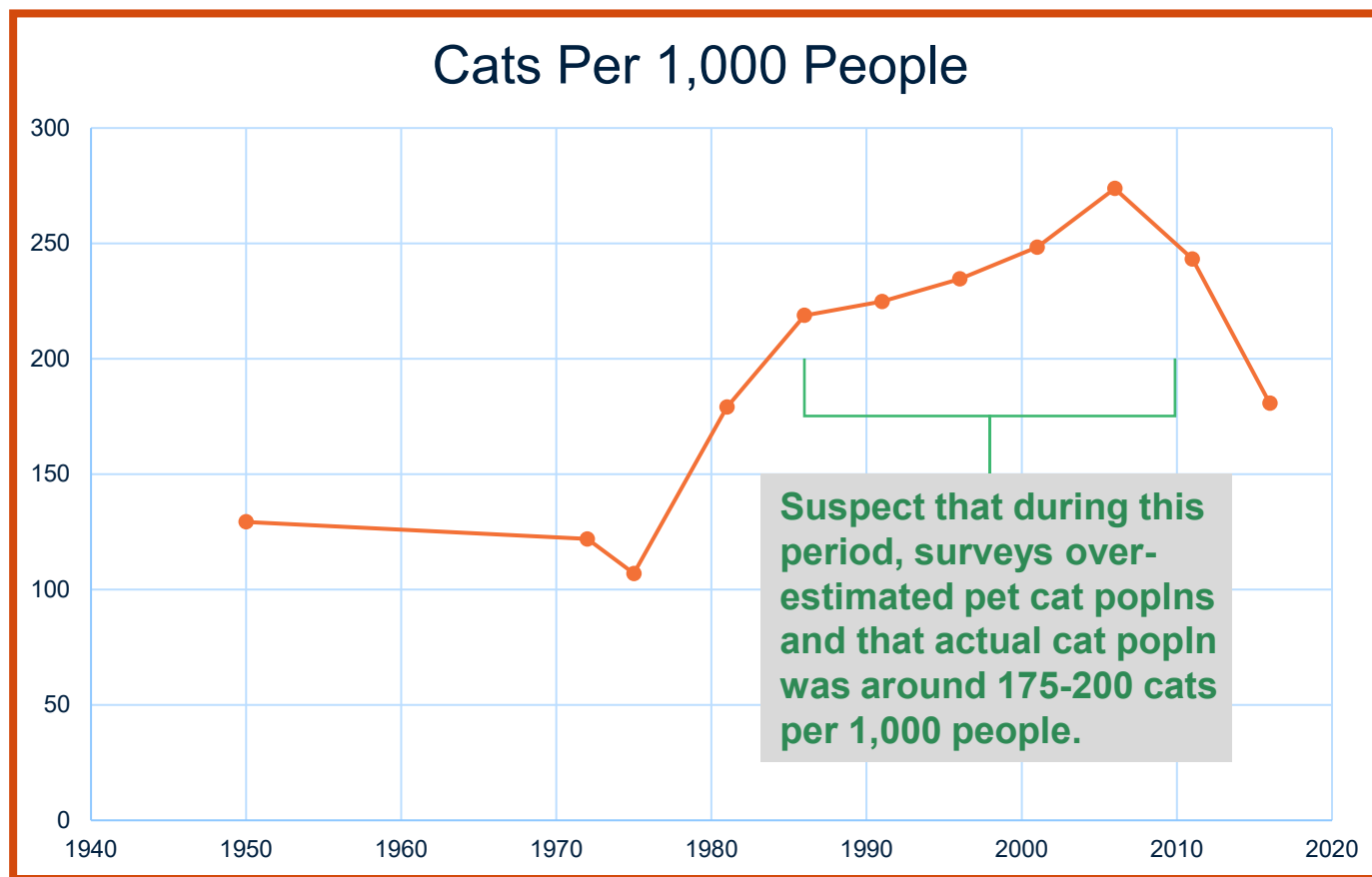
- Rates of dog ownership in some other countries also remained relatively constant over the years.
- But we do not know why there would be 239 dogs per 1,000 in the USA, 120-130 dogs per 1,000 in the UK and 80-90 dogs per 1,000 in Sweden.
- The relative stability of dog owning rates are a surprise.

	Dogs/1,000 People					
	1981	2010	2012	2017	2018	2020
Austria	70	73	72	72	93	92
Belgium	115	122	119	115	115	114
Denmark	133	104	105	102	103	105
Finland	86	121	120	145	147	136
France	170	121	117	110	104	115
W. Germany	55	66	65	111	113	128
Italy	78	118	116	115	116	137
Netherlands	84	89	95	89	88	114
Norway	68	93	91	94	88	89
Sweden	96	80	76	86	86	88
Switzerland	62	57	55	59	59	58
UK	100	126	132	131	135	125
Australia	152	157	182		198	
Canada	130	183		206	220	
Japan	39	94	89	79		
USA	216	225		239		



Trends in Relative Cat Populations

- Relative cat population numbers from AVMA surveys have changed considerably over time.
- But in 2016, the AVMA determined that they had been overestimating total cat populations.
- In 2016, the AVMA concluded that only 25.4% of US households owned cats.
- There is a 3-fold variation in relative cat numbers across the US states.





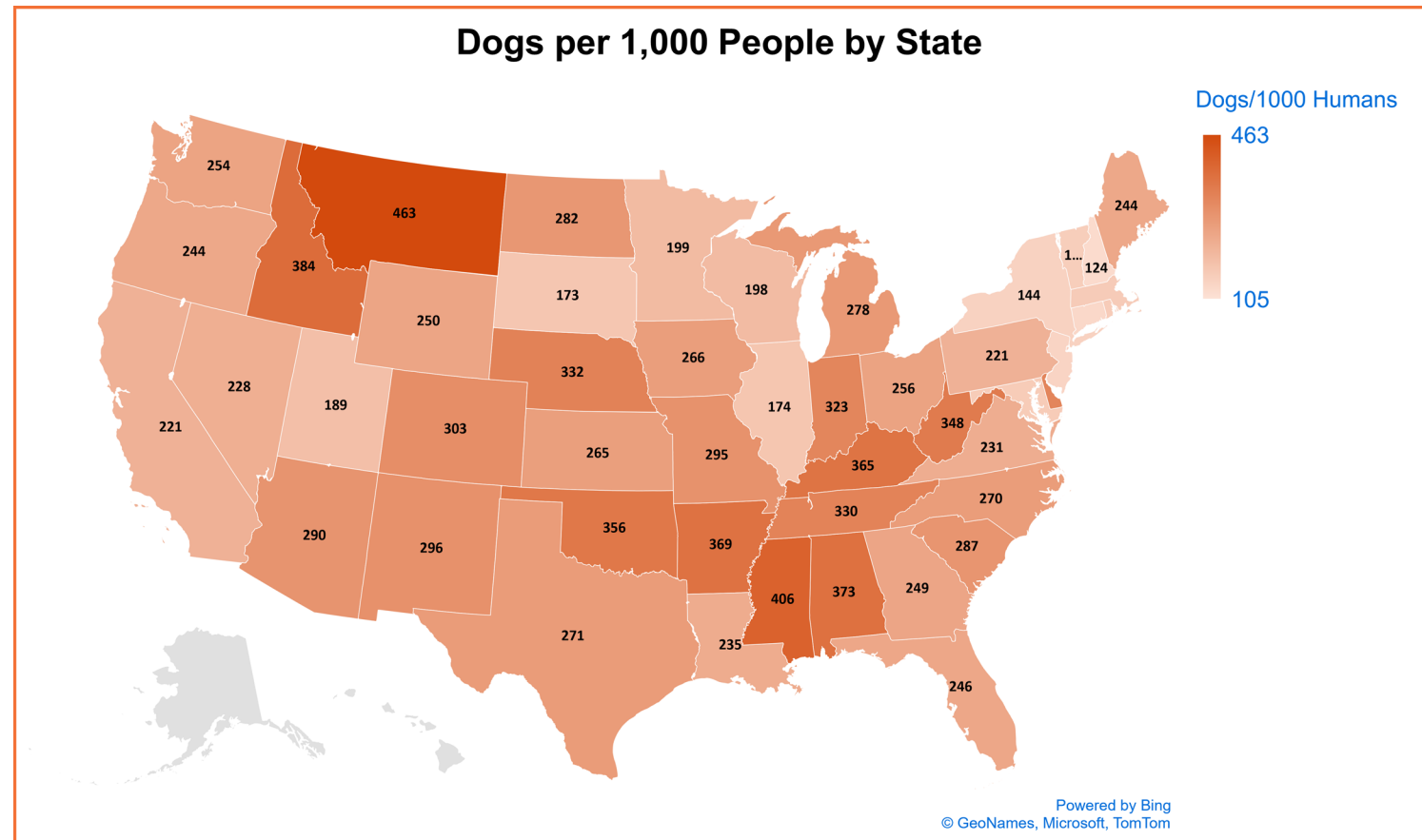
Dog Ownership Rates Vary by State

AVMA 2016 survey

Significant variation in relative dog population from one state to another.

Yet, little indication that anybody pays any attention to these variations when calculating shelter intake & euthanasia.

Cats also vary.



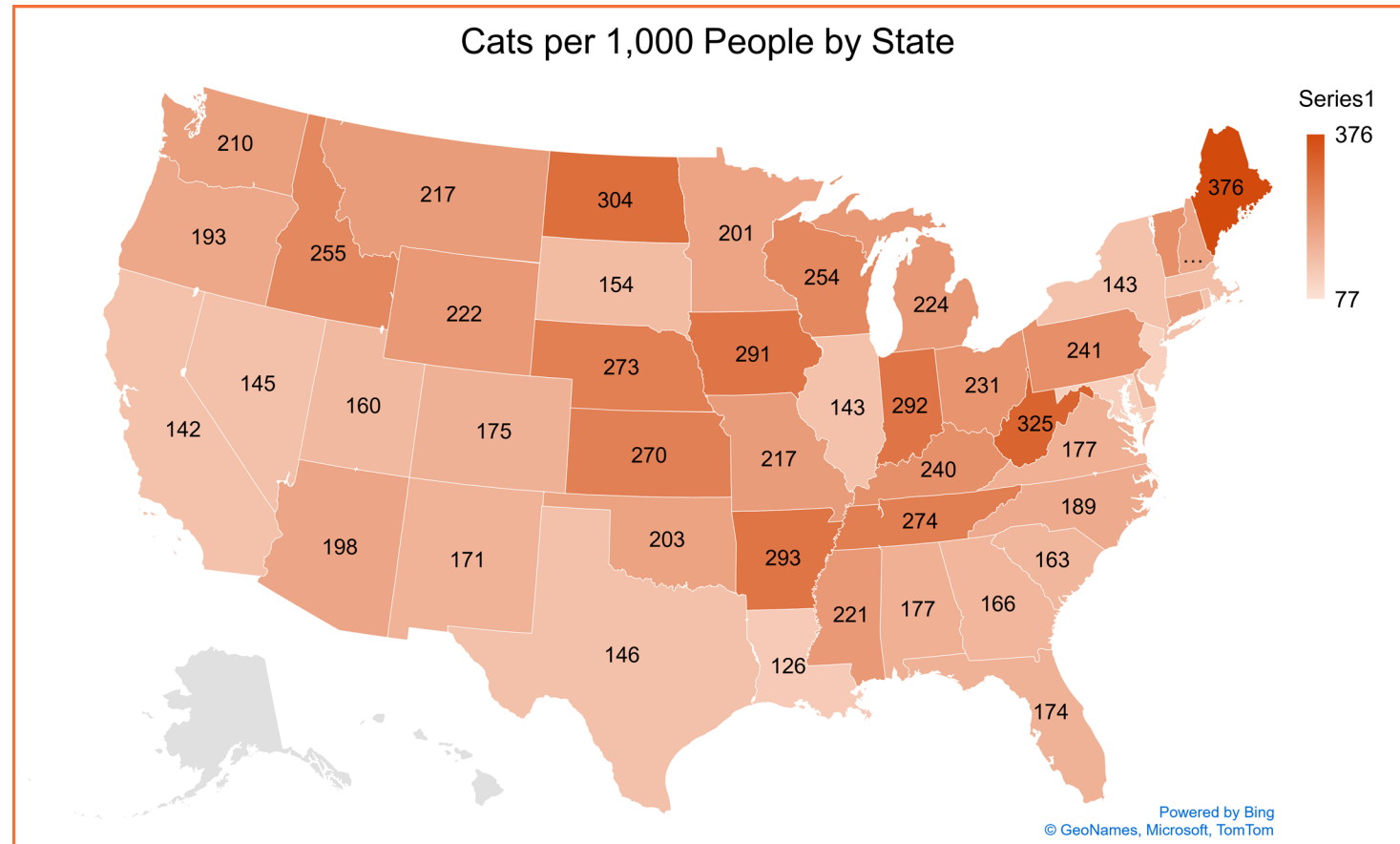


Cat Ownership Rates Vary by State

AVMA 2016 survey

Also, significant variation in relative cat population from one state to another.

No clear trends are obvious in different relative cat populations in different states.

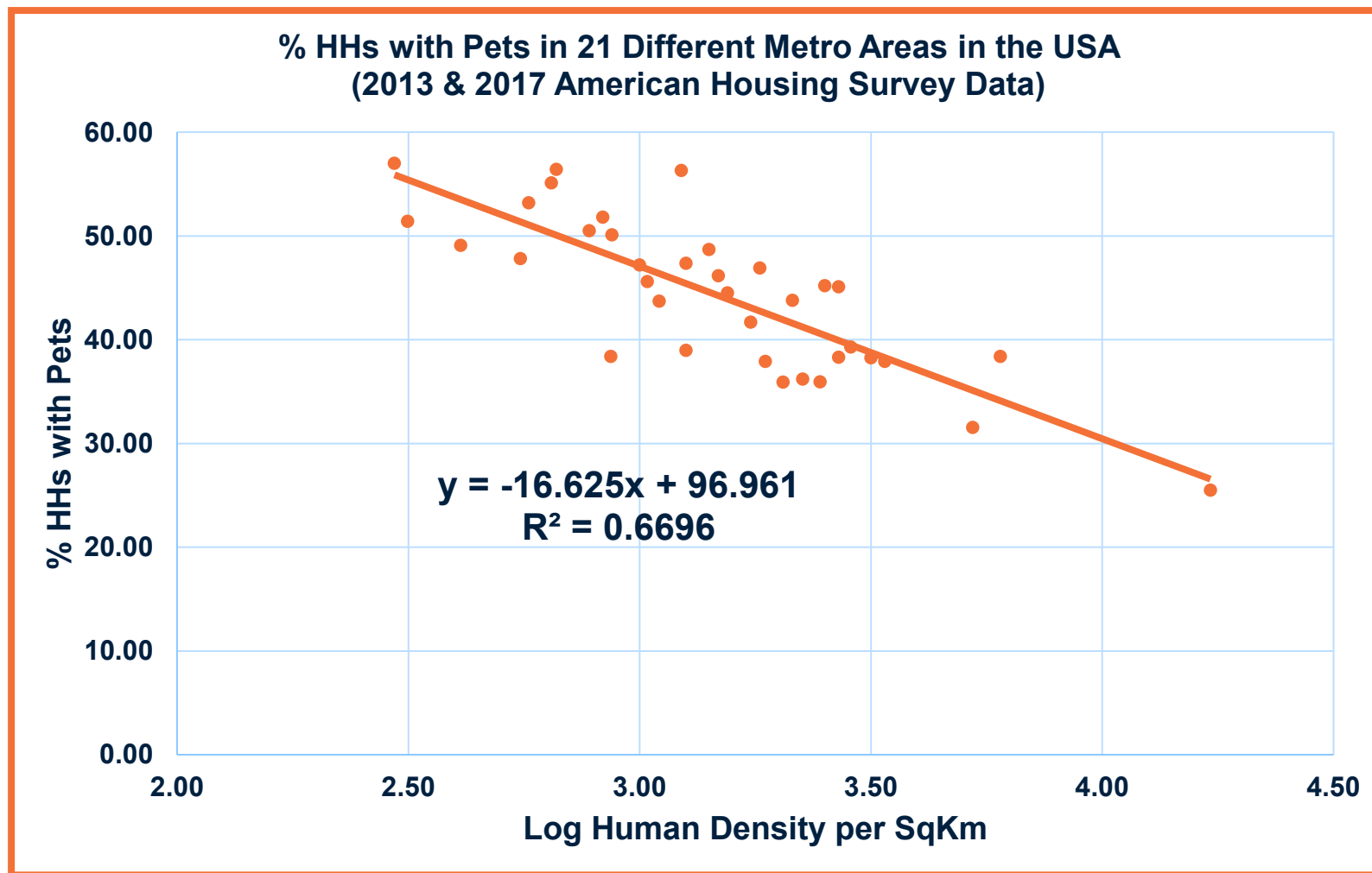




Pet Ownership Rates Vary by Human Density and Ethnicity

Human density is an important variable when looking at overall pet ownership rates.

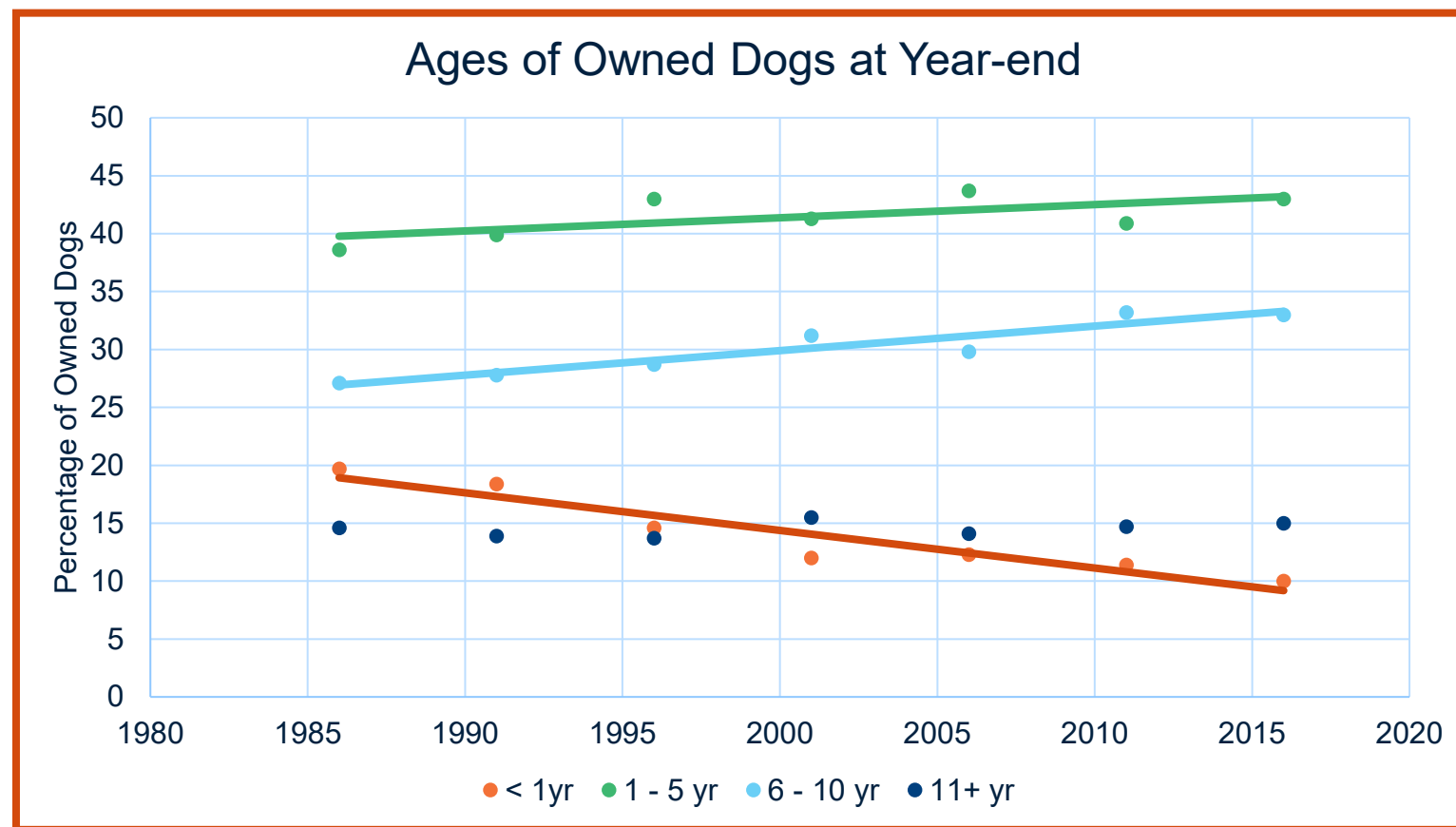
Ethnicity also an important factor. African-American households are half as likely to have pets, specifically cats. Hispanic households have lower cat ownership rates.





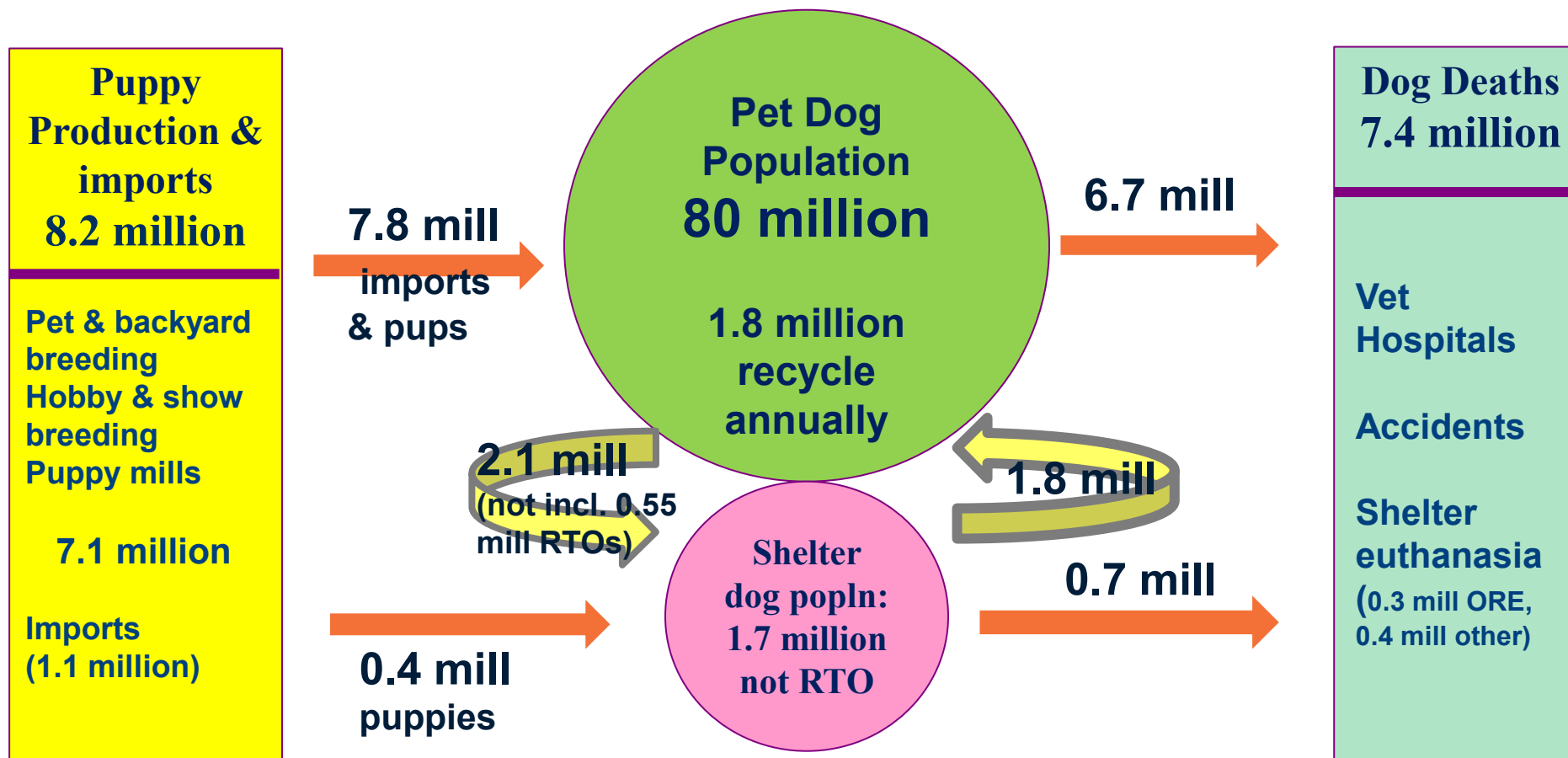
Trends in Owned Dog Ages: Implications re Puppy Supply

- Percent of owned dogs under 1 year of age at year-end has declined by 50%.
- These dogs likely puppies when acquired – 20% in 1986 but only 10% in 2016.
- Indicates a decline in # of puppies from 10.3 million in 1986 to 7.7 million in 2016.
- 52.4 mill dogs in 1986, 76.8 mill in 2016.





Modeling Dog Population Supply/Demand – 2020 Estimates





Dog & Cat Trends: 1970-2019

Big changes have occurred in both dog and cat supply in the USA in last fifty years.

	1950	1973	1982	2011	2016	2019
US Pet Dogs & Cats (mill)	52	65	92	146	135	140
Total US Dog Population (mills)	32.6	35	46	69.9	76.8	80.3
Stray Dogs/Shelter Intake (mills) - (not transfers & RTOs & seizures)	10	10	4 to 5	1.74	1.34	1.14
% Stray Dogs (of all dogs)	30%	Ca. 24%	Ca.9%	2.4%	1.7%	1.4%
Stray Cat Shelter Intake (mills)				2.0	1.65	1.83
Shelter Euthanasia (mill)		13.5	7.6-10	3.44	1.54	1.24
% D&C Euthanized in shelters		21%	ca.10%	2.4%	1.1%	0.9%



State Shelter Intakes & State D&C Populations

State populations of dogs and cats vary by several fold – intuitively would expect different dog/cat populations to have an impact on shelter intake. Shelter Intake and D&C Turnover given in per 1,000 people numbers. (Dog turnover – 9% and Cat turnover – 8%)

	Shelter Intake	D&C Turnover	Intake as % of Turnover
New Hampshire	4.05	28.17	14.4%
Connecticut	3.98	26.32	15.1%
Massachusetts	6.52	39.19	16.6%
Pennsylvania	4.17	24.42	17.1%
New York	5.40	25.63	21.1%
Rhode Island	11.04	49.73	22.2%
USA	12.87	36.06	35.7%

	Shelter Intake	D&C Turnover	Intake as % of Turnover
USA	12.87	36.06	35.7%
Texas	18.50	36.07	51.3%
Louisiana	17.36	31.20	55.7%
South Dakota	15.67	27.92	56.1%
Hawaii	22.15	34.50	64.2%
Wyoming	29.47	40.25	73.2%
New Mexico	35.44	40.37	87.8%