

2020 Healthy Pets Healthy Families Initiative

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CDC Select Zoonotic Diseases
Conference Call
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Objectives

1. Initiative overview
2. Activities to date
3. Background, data and goals for seven focus areas
4. Example of data driving action
5. Future planned activities



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Initiative Overview



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What is 2020 Healthy Pets Healthy Families?

- Los Angeles County One Health Initiative
- Modeled after Healthy People 2020¹
- Goal: Improve human & animal health

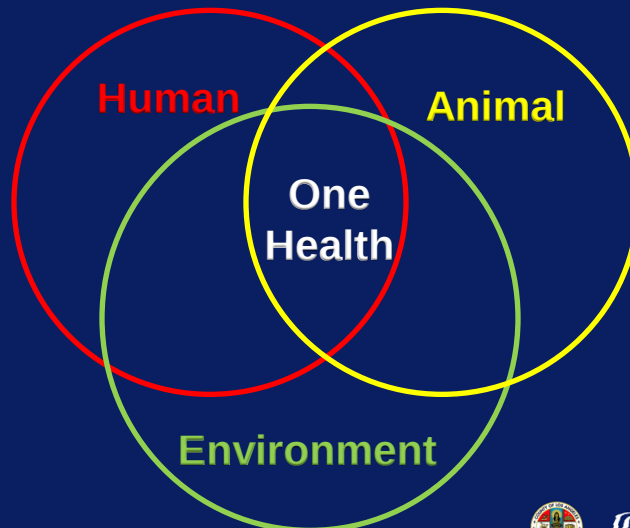


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¹<http://www.healthypeople.gov/2020/default.aspx>

What is One Health?



²www.onehealthinitiative.com



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What is Healthy People 2020?

- 10 year agenda for improving the Nation's Health¹
 - Identify health improvement priorities
 - Provide measurable objectives
 - Increase public awareness
 - Identify/promote best practices
 - Measure impact of prevention activities
 - www.healthypeople.gov



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What are we trying to do? MAP-IT Framework³

Mobilize	Develop collaborative
Assess	Gather data & set local animal health goals
Plan	Identify best interventions
Implement	Jointly implement programs/campaigns
Track	Monitor impact and progress

³<http://www.healthypeople.gov/2020/implementation/mapit.aspx>



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Seven Focus Areas

- Zoonotic disease prevention
- Bite prevention
- Disaster preparedness
- Spay-neuter requirement
- Pet obesity
- Second hand smoke
- Vaccine preventable diseases



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Activities to Date



Mobilization: getting the ball rolling

1. Concept approval
2. Engage internal and external partners
3. Create supporting coalition

Year 1 – focus groups – Year 2020 goals

Year 2 – collaboration and intervention development



Assessment: building supporting data

- Animal health surveys: on-line,⁴ in person, at clinics
- Local bite and animal disease data
- Targeted surveys:
 - Parvo & vaccinations
 - Dog friendly parks
 - Built environment
 - Pet obesity



⁴<https://admin.publichealth.lacounty.gov/phcommon/public/vet/>

Focus Areas: background, data and goals



Zoonotic Disease Prevention



Zoonoses: Background

- +/- 40% of residents own pets⁵
- Pets may spread diseases to people directly or through vectors (fleas, ticks)
- Locally, flea-borne (murine) typhus has been increasing
- 14% of Americans seropositive for canine roundworms⁶
- Pet owners can take steps to reduce risk



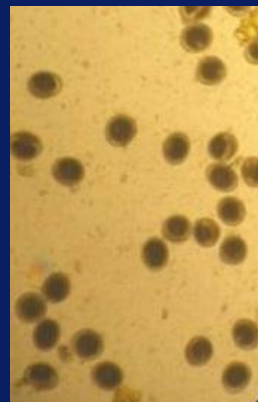
Zoonoses: Data Dog Shelter Survey Results⁷

Survey Question	Respondents at Animal Shelter
Do you clean up the dog's feces (poop) when you walk him/her?	96 % Yes
How often do you use flea and tick medications?	42% - Monthly 24% - Never
How often do you use heartworm medication?	11 % - Monthly 70% - Never



Zoonoses: Data Internal Parasite Surveys, 2006-2007⁷ Results

- **Dog parks:** 29% positive
 - Giardia (22%), Trichuris (7%), Toxascaris (2%), Toxocara (1%), Coccidia (1%), Tapeworms (1%)
- **Shelters:** 47% positive
 - Giardia (37%), Trichuris (8%), Toxocara (8%), Toxascaris (3%), Ancylostoma (3%), Coccidia (3%)



Zoonoses: Goals

- ↓ potential disease transmission by educating pet owners how they can reduce risk
- ↑ % people practicing appropriate parasite prevention measures
- ↓ % dog stool samples collected at dog parks that are positive of parasites

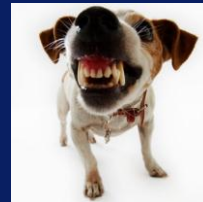


Bite Prevention



Bite Prevention: Background

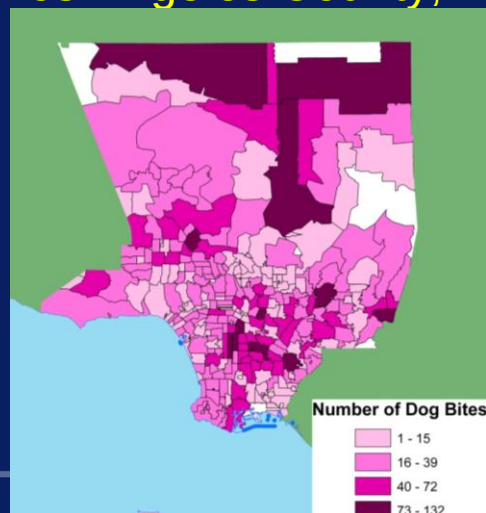
- ~ 1.5% of people get bit every year⁸
- ~ 80% of bites involve dogs
 - ~ 4.5 million dog bites in USA each year
- 1 in 5 require medical attention



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Bite Prevention: Data Map of Dog Bites by Zip Code in Los Angeles County, 2009⁹

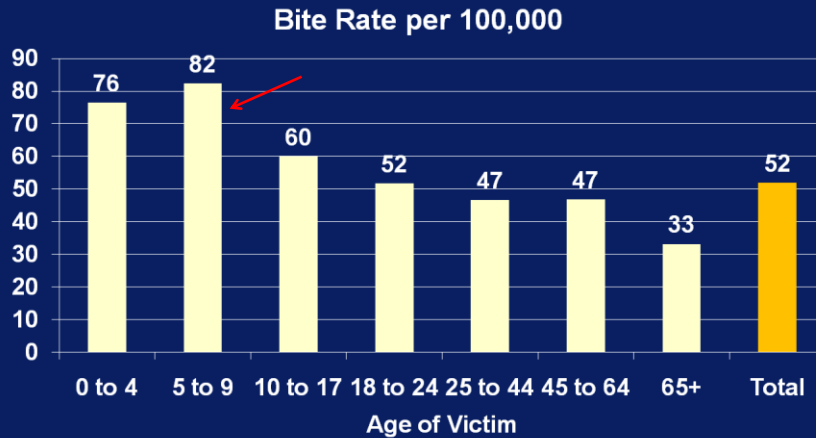


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Bite Prevention: Data

Reported Animal Bites by Age, Los Angeles County, 2009⁷



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Bite Prevention: Goals

- ↓ dog bite related emergency room visits
- ↓ % pet owners reporting a family member was bitten in last year
- How? - School based bite prevention programs



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Disaster Preparedness



Disaster Preparedness: Background

- Households with pets more likely to fail to evacuate, or return to check on pets left behind¹⁰⁻¹¹
- 3.5 million local adults own pets⁵
- 21 animal shelters full
- Only 43% of adults report having a family emergency plan¹³



Disaster Preparedness: Data Dog Shelter Survey Results⁷

Question	Yes		No	
	N	%	N	%
If you had to evacuate your dog, do you know where you would take him/her?	272	50%	268	50%
Do you have a microchip in this dog?	222	41%	318	59%



Disaster Preparedness: Goals

- ↑ % owners with disaster plan that includes pet
- ↑ % pets with microchips
- Expand local capacity to house evacuated pets



Spay/Neuter



Spay-Neuter: Background

- Los Angeles County in 2012:⁷
 - 119,785 dogs entering shelters
 - **33,679 dogs euthanized**
- Pets that are not neutered:
 - May be more likely to roam
 - May be more likely to fight & bite
 - More likely to have certain cancers
 - Create an over population & humane issue



Spay/Neuter: Data Dog Shelter Survey Results⁷

Spay-Neuter Attitudes		
Do you believe it is important to spay/neuter your dog(s)?	N	%
Yes	461	86%
No	78	14%



Spay/Neuter: Data Dog Shelter Survey Results⁷

Spay-Neuter (pet age $\geq$ 1 year old)		
Is this dog spayed or neutered?	N	%
Yes	258	67%
No	120	31%
Unknown	5	1%



Spay/Neuter: Goals



Photo: Courtesy of
Dr. Tamerin Scott

- ↑ # cities requiring spay/neuter
- Better understand barriers
- Educate community on benefits of spay-neuter
- Connect community to low cost options



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Pets & Obesity



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Obesity: Background

- Growing problem in people and pets
 - 55.9% of adults overweight in Los Angeles County¹³
 - 54% of pets overweight in US¹⁴
- Obesity in pets and people may be linked¹⁵
- Obese pets may have serious medical problems, such as diabetes, arthritis and high blood pressure¹⁶



Obesity: Data Dog Shelter Survey Results⁷

Question	Yes		No	
	N	%	N	%
Can you feel the ribs of your dog?	277	51%	263	49%
Do you think your dog is overweight?	60	11%	481	89%



Obesity: Data Dog Shelter Survey Results⁷

Dog Walking		
How often do you walk your dog?	N	%
Never	26	5%
Once a month	31	6%
Once a week	69	13%
2-3 times per week	157	30%
Once daily	242	46%



Obesity: Data Dog Shelter Survey Results⁷

Food Availability		
Do you have a bowl of food available for your dog indoors all the time (i.e., free feed)?	N	%
Yes	414	74%
No	142	26%



Obesity: Goals

- ↓ pet obesity & related chronic conditions by encouraging owners to exercise pets and limit food intake
 - ↑ veterinarians providing nutritional and exercise counseling
 - ↑ % dogs that are walked daily
- ↑ % pet owners that meet physical activity guidelines



Second-Hand Smoke (SHS)



Second-hand Smoke: Background

- 13.1% of local adults report smoking cigarettes¹⁷
- Exposure risks to pets?¹⁸⁻²⁰
 - Dogs – lung or nasal cancers
 - Cats – oral cancer or lymphoma
 - Both – breathing problems
 - Cigarette butt may be eaten causing illness
- Survey – 28% of smoking owners said learning about pet risk motivated them to try to quit smoking²¹



Second-hand Smoke: Data Dog Shelter Survey Results⁷

Question	Yes		No	
	N	%	N	%
Does anyone in your household smoke?	113	20%	453	80%
If yes, do they smoke around your dog(s)?	28	25%	85	75%
If yes, do they keep cigarettes or ashtrays where your dog(s) can get to it?	15	15%	85	85%



Second-hand Smoke: Goals

- ↑ # veterinarians that discuss secondhand smoke risks with owners
- Educate smokers about the dangers of secondhand smoke and cigarette butts to pets
- ↑ # smoke free, pet friendly parks
- Ultimately – ↓ # owners who report people smoke around their pet



Vaccine Preventable Diseases



Pet Vaccines: Background

- Vaccination – useful tool to prevent infectious diseases in pets²³
 - Zoonotic (e.g. rabies, leptospirosis)
 - Serious, non-zoonotic (e.g. parvo, distemper, panleukopenia)
- One of the most commonly utilized veterinary service²⁴
- Low cost options available



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Pet Vaccinations: Data Dog Shelter Survey Results⁷

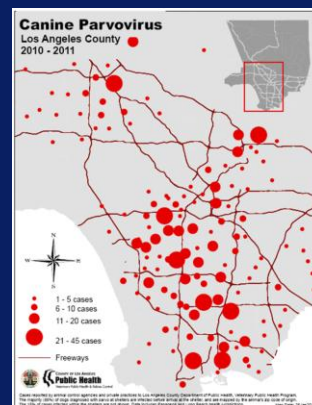
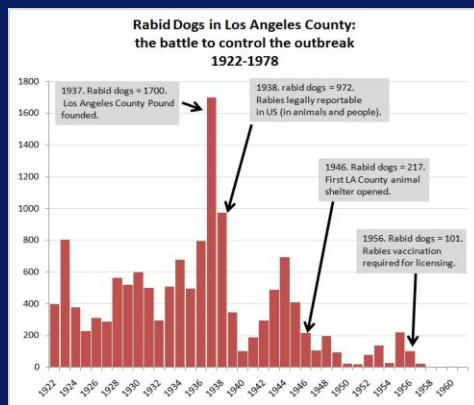
Survey Question	Animal Shelter
Where do you get this dog vaccinated?	54% Vaccine Clinic 36% Veterinarian
In general, do you think dogs should be vaccinated?	99% Yes
Have you ever vaccinated this dog against rabies? (...includes only dogs ≥6 months of age)	13% No



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Pet Vaccinations: Data Animal Disease Surveillance⁷



Pet Vaccines: Goals

- ↑ % pets up to date on their vaccines
- ↓ # vaccine preventable disease cases in pets
- How? Educate pet owners about the diseases and need for vaccinations and increase access to clinics

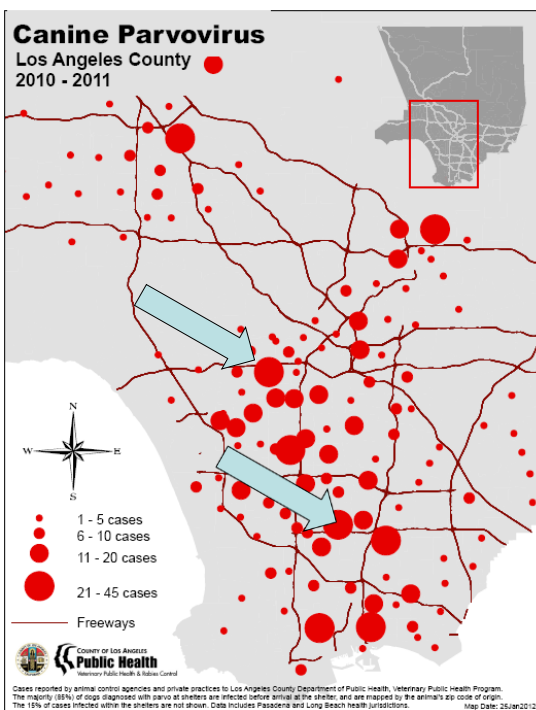


Data Driving Action



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From Data to Action

- LAAS used data
- Focus on 2 high risk areas
- Vaccine clinic at rec centers every 2 weeks starting Jan 2012



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Future Planned Activities

- HPHF Coalition Framework Report
- Community Pet Event Calendar
- Targeted interventions:
 - Healthy Start bite prevention training
 - Promote dog walking clubs
 - Distribute educational materials
 - Targeted vaccination clinics
- Increased coalition information sharing



References/Websites

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Questions?



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Resources

- Los Angeles County Department of Public Health, Veterinary Public Health Program: <http://publichealth.lacounty.gov/vet/index.htm>
- 2020 Healthy Pets Healthy Families website: <http://publichealth.lacounty.gov/vet/HealthyPetsHealthyFamilies.htm>
- Healthy People 2020 website: . <http://www.healthypeople.gov/2020/default.aspx>
- One Health Initiative website: www.onehealthinitiative.com

