Length of Stay Resources

aspcapro.org/stay

Watch webinar recordings and watch the LOS video

- Play the Length of Stay Game
- Daily Rounds: How to Decrease Length of Stay
- Fast Tracking to Save Lives: Simple to Systematic





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Calculating Your Humane Capacity





THANKS!

TO THE ASPCA FOR THE PARTNERSHIP WITH UC DAVIS THAT MAKES MY POSITION POSSIBLE.





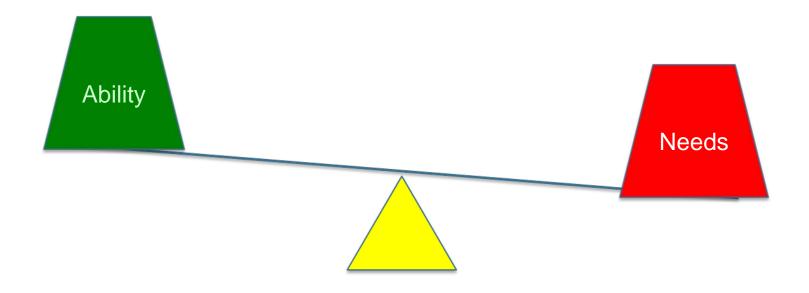
Capacity 4 Care



Housing
Staffing
Procedures or activities
(usually involves staffing ②)



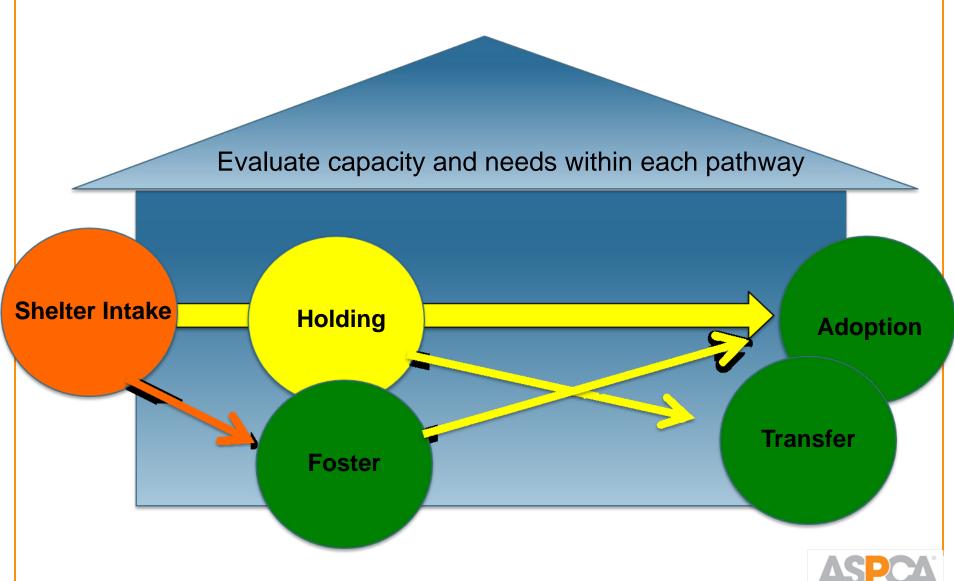
What you need AND what you have



Requirements and ability to provide care MUST be balanced



Start by Planning Pathways



Housing

Holding Housing
Adoption Housing
Other live release holding
Medical or behavioral treatment housing
Sanctuary space



Staffing / Activities

Intake

Basic care

Behavioral evaluation

Euthanasia

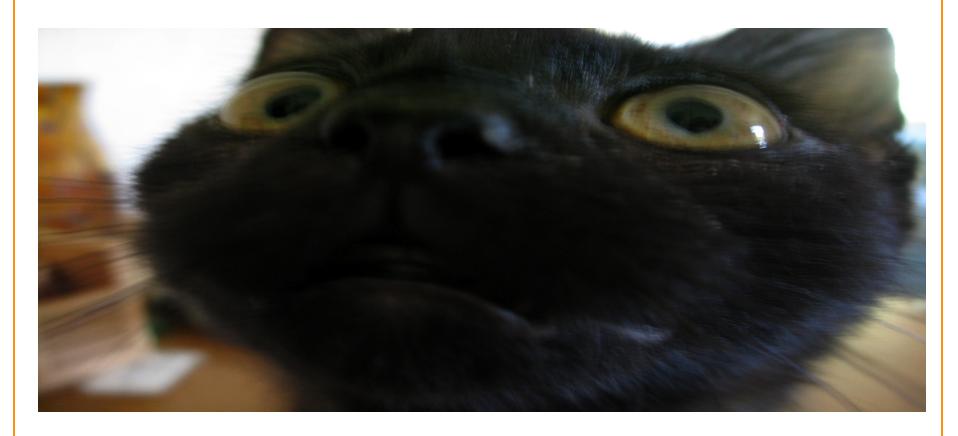
Medications and treatments

Ready for adoption / transfer exams

Spay / Neuter



Brain stretching concepts



Easy math!



Housing Capacity



Population Planning

Room	Cat Count
Room A	38
Room B	46
Room C	48
Room D	55
Room F	48
Adoption Hall	21
Adoption Hall 2	32
Recovery	50
Room G	54
Iso 1	18
Iso 2	18
Iso 3	6
Total	422

Estimated Care Days Costs

Daily Population	Monthly care days		Monthly care day costs
422	422 * 30 = 12,660	\$10	\$126,600



Capacity Estimates for Required Holding

INTAKES	OUTCOMES
Stray Holding	Adoption Housing
Owner Surrender Holding	Transfer Holding
Legal Holding	Foster Holding
	Other?



Complications (advanced)

INTAKES	Subtractions from intake	OUTCOMES
	Open Selection* Quick	
	RTO	
	Immediate transfer	
Stray Holding	Euthanasia for suffering	Adoption Housing
Owner Surrender Holding	"Ready, set, go" Immediate availability	Transfer Holding
Legal Holding		Foster Holding
		Other?



^{*}Open Selection is included in adoption capacity estimates

Basic Calculations

Average Dail	ly x	Required Holding =	Animals in Holding
5	X	5 =	25
5	X	10 =	50
10	X	10 =	100



Required Stray Holding Capacity

	Stray Holding period		3
			Required Stray
	Stray Intake	Average Daily Intake	Holding
Jan	80	2.6	8
Feb	115	3.8	11
Mar	100	3.3	10
Apr	115	3.8	11
May	475	15.6	47
Jun	225	7.4	22
Jul	295	9.7	29
Aug	390	12.8	38
Sep	330	10.8	32
Oct	260	8.5	26
Nov	115	3.8	11
Dec	125	4.1	12

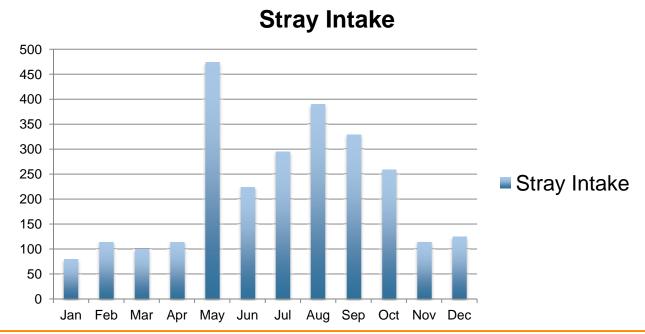
average daily intake (by month) * required holding time = RSHC



Why not use annual data?

Total Annual		
Intake	Avg. Daily Intake	Est. RSH
2625	7.2	22

Misses a maximum requirement for 47 and a low of 8-10





Required Holding Capacity

Required Stray Holding vs. Actual Capacity (Housing units)



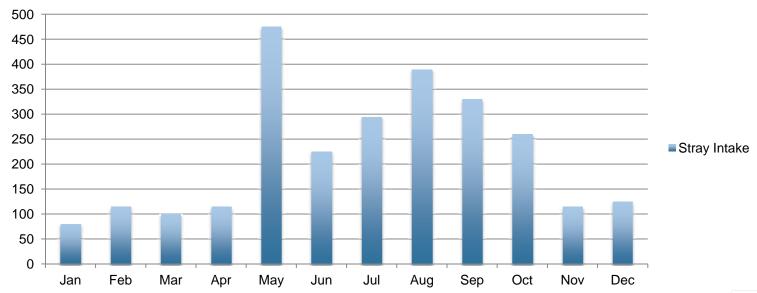
Stray holding Period * MDA intake = RSHC



How many housing units? Adults vs. Juveniles

Do you have the data you need? Can you make estimates?

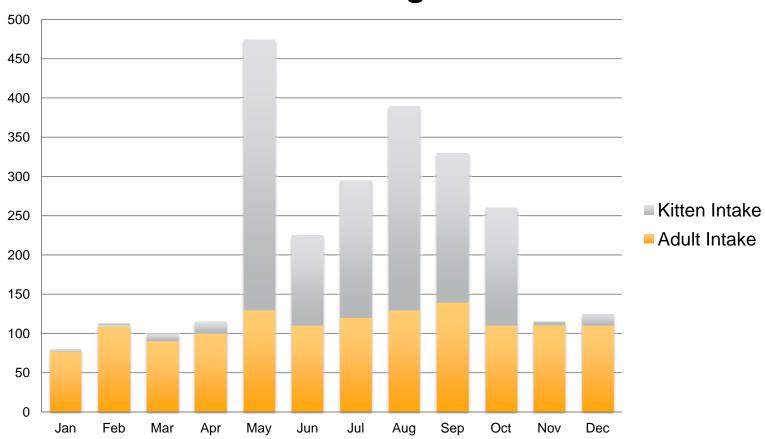






Using Mt. Kitten

Estimate feline age breakdown





Estimating Housing Units

Stray Holding						
period	3					
					Kitten	Total
					housing	Housing
	Adult Intake	Kitten Intake	Adult RSH	Kitten RSH	units	units
Jan	77	3	8	0	0	8
Feb	109	4	11		0	11
Mar	90	10	9			9
Apr	100	15	10		1	11
May	130	345	13	34	17	30
Jun	110	115	11	Ŧ	6	18
Jul	120	175	12	17	9	20
Aug	130	260	13	26	13	26
Sep	140	190	14	19	9	23
Oct	110	150	11	15	7	18
Nov	110	5	11	0	0	11
Dec	110	15	11	1	1	12



Doubling up?

Litters

Bonded pairs?

Small dogs?

Single orphans?

Buddy systems

After legal holding

Separate for feeding

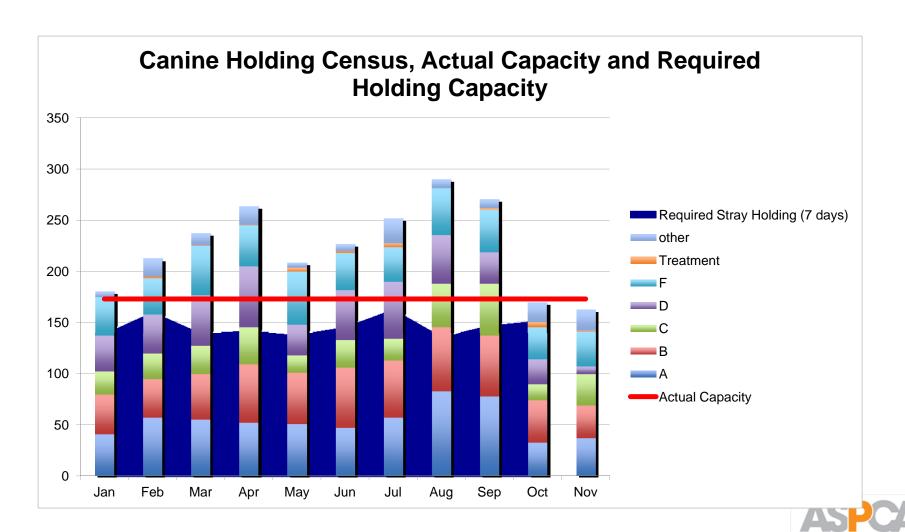
NOT random co-mingling

Consider impact on adoptions





Population Compared to Housing and Capacity Planning



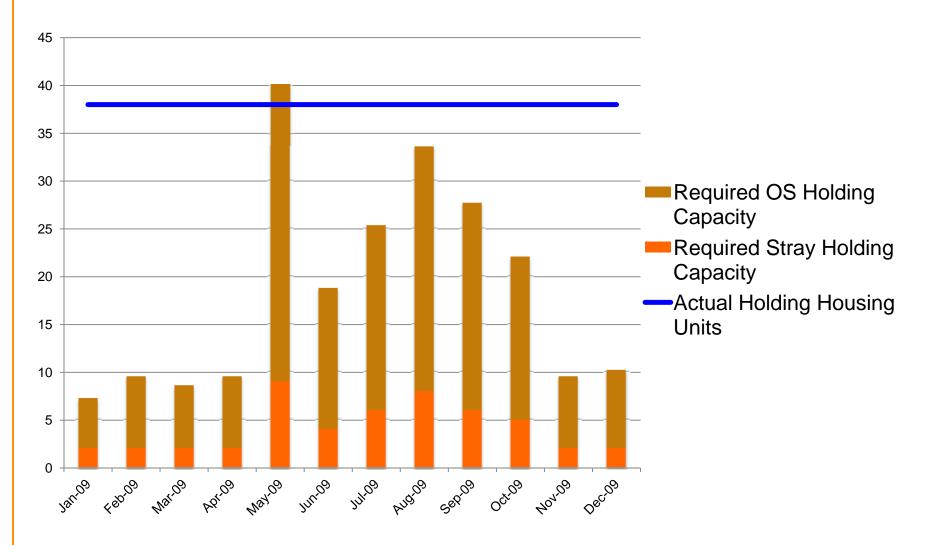
Costs of Poor Planning







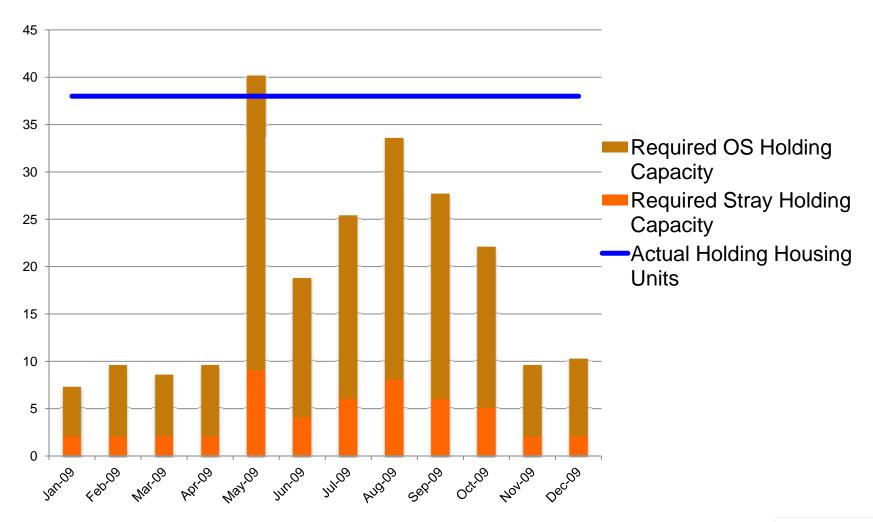
Required Holding Capacity



Stray holding capacity + OS Holding Capacity = RSHC



Can you have too much space?





Effect of LOS

Average Daily Intake	Average LOS	Average Daily Population
10	5	50
10	10	100
10	20	200



Potential Effect of Space on LOS

Housing units	All housing units kept full	Care days / Year	Adoptions	Avg. LOS
38	365	13,870	1,500	9
76	365	27,740	1,500	18



Adoption Driven Capacity Estimates

Target average length of stay

Number of historical or expected adoptions

Number of animals waiting for adoption

AD CAP = (Monthly adoptions * Target LOS)/ Days in the month



Transfer Adoption Driven Capacity Estimates

Target average length of stay

Transfers

Number of historical or expected adoptions

Transfer

Number of animals waiting for adoption

Transfer Transfers

AD CAP = (Monthly adoptions * Target LOS)/ Days in the month



Simple Adoption Driven Capacity

Adult Cat Adoptions	Average LOS	Monthly care days	Recommended adoption population
60	10	600	20
		60 * 10 = 600	600 / 30 days = 20
Adoptions	Monthly	Adult Cat	Average LOS
Population	care days	Adoptions	Average LOO
· ·	care		20



Adoption Driven Capacity

AD CAP	Total Adoptions	AD cap. Cats	AD cap. Kittens	AD cap. Total All Cats	Kitten housing units	Total Adoption Housing Units
1/2009	110	23	5	28	3	26
2/2009	158	48	24	72	12	60
3/2009	229	49	56	105	28	77
4/2009	231	76	30	106	15	91
5/2009	208	45	50	95	25	70
6/2009	179	37	45	82	23	60
7/2009	227	53	51	104	26	79
8/2009	235	33	75	108	38	71
9/2009	212	32	65	97	33	65
10/2009	233	39	68	107	34	73
11/2009	218	50	50	100	25	7 5
12/2009	102	33	14	47	7	40

AD CAP = (Monthly adoptions * Avg. LOS)/ Days in the month



Adoption Driven Capacity

Adult Cat Adoptions		Recommended CAP for daily population	
102 adoptions * 7 days avg. LOS =	714 care days		
714/31 =	23 care days each day =	23 cats	Avg. LOS 7 days

Alternative daily population			Actual avg. LOS
46 cats	46 * 31 =	1,426 care days	
		1,426 / 102 adoptions =	Avg. LOS 14 days

Putting It Together

	Number of Cats
Adoption Driven Capacity	51
Holding	38
Other	12
Total	101 cats

Remember: Housing units depends on age breakdown



Care Days Costs

Daily Population	Monthly care days	Monthly care day costs difference
422	422 * 30 = 12,660	
101	101 * 30 = 3,030	
Difference	9,630 care days	\$96,300 minimum

Monthly		Annual
\$96,300	12	\$1,155,600



Real Savings?







Real Savings



Can you afford not to do this?



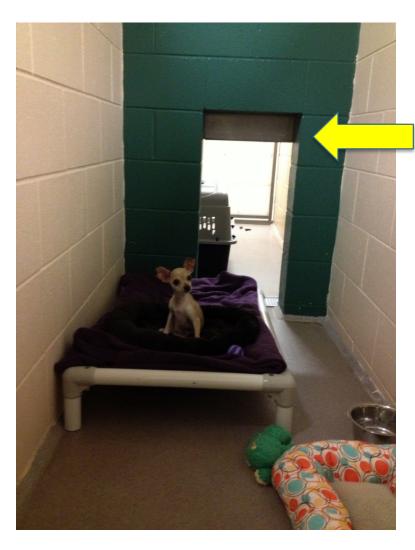




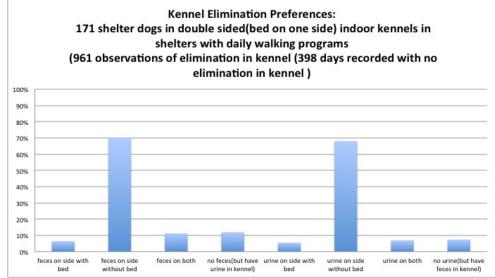




... or this?



Open here





Staffing Capacity



What counts as "Staff" time?

People available to do the task
With the appropriate training, skill, and supervision

Staff

Volunteers

Inmate programs

Community service hours



Staffing

Intake

Basic care

Behavioral evaluation

Euthanasia

Medications and treatments



Staffing – Basic Calculation

How long x how many times = Time required



Staffing – Basic Calculation (in reverse)

Time available / How long = How many times

OR

Time available / How many times = How long



Staffing – Basic Calculation

- Time your own staff
- Count or make estimates of how many times per day

Want a complex view?

Check out our medical staffing excel tool at

Sheltermedicine.com

Search for "HSUS EXPO 2012"

		1	
If 15 min / intake	Intake 2013	Daily intake	Intake staffing
Jan	461	15	3.78
Feb	368	12	3.02
Mar	668	22	5.48
Apr	675	22	5.53
May	823	27	6.75
Jun	802	26	6.57
Jul	978	32	8.02
Aug	1201	39	9.84
Sep	957	31	7.84
Oct	806	26	6.61
Nov	383	13	3.14
Dec			Double for dogs?

http://www.sheltermedicine.com/documents/hsus-2012-asv-guidelines-tools-and-documents



Capacity for Basic / Minimal Care Staffing

Guidelines:

- NACA and HSUS 15 min. / animal / day
- 6 min. for feeding
- 9 min. for cleaning

On site observations / timing

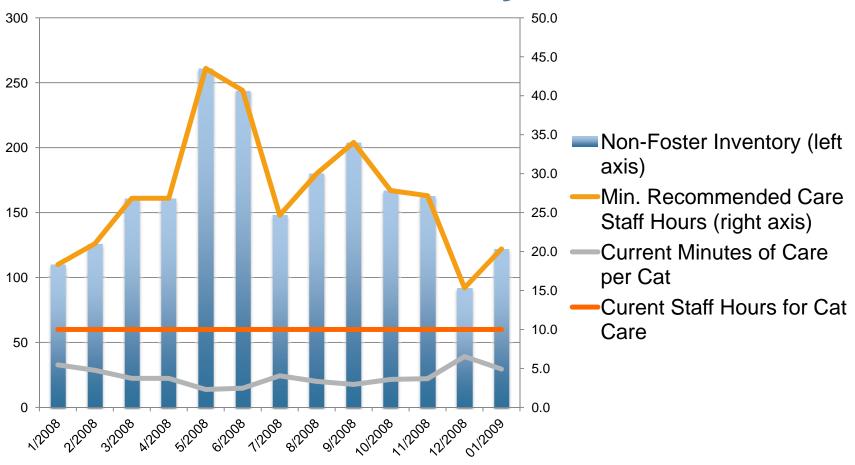
Based on adequate procedures

Capacity for Minimum Care:

40 animals x 15 minutes = 600 minutes = 10 hours of staff time

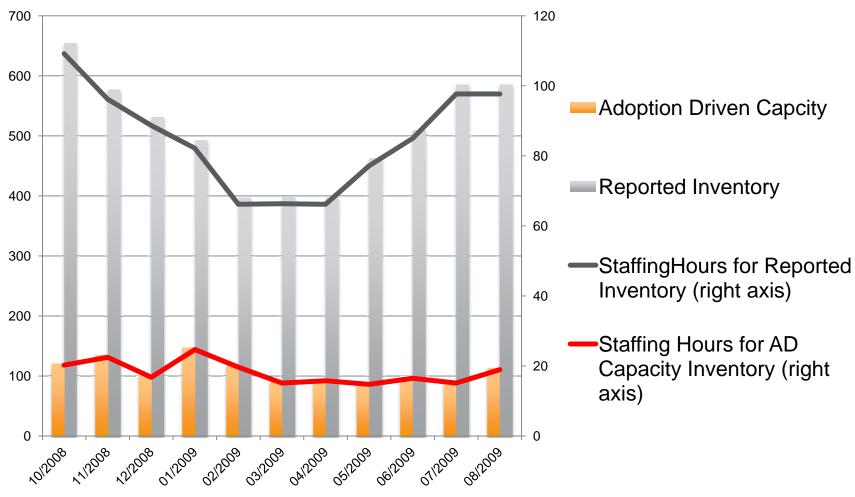
Three staff members for 3 ½ hours to get the job done by 12:30 pm. (if you start at 9 am)

Staffing for Care Relative to Inventory





Staffing for Basic Care Relative to Inventory





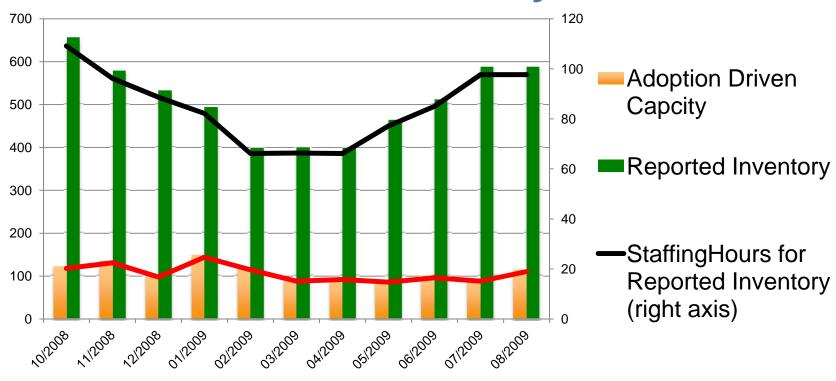
Staffing

Number of animals	Basic care		Total staff hours	Staff members
422	15	6,330	105.5	26
101	15	2,250	25.25	9

Total staff hours	Hourly	Daily costs	Monthly
105.5	\$8.50	\$897	\$27,807
25.25	\$8.50	\$227	\$6,817



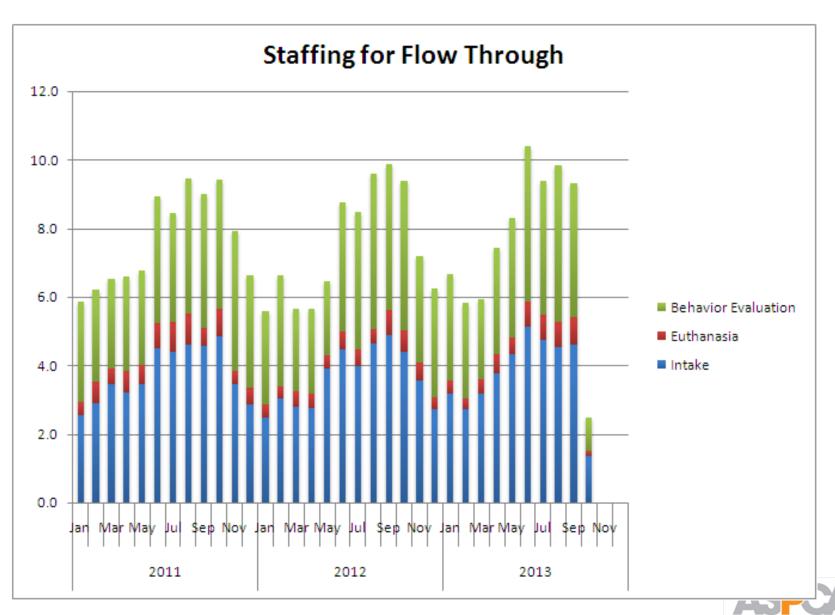
Staffing for Basic Care Relative to Inventory



Time for care * Number of animals needing care = Capacity requirements



Seasonal Variation



Counting Activities

Date		Isolation	Stray Isolation		FeLv/Combo test	pyrantel,revol	Scar check, re- culture, woods exam	Re-Vaccinate
10/1/13	# treatments	8	20	36	5	7	0	2
10/1/13	# treatments	0	20	30	<u> </u>	,	0	2
10/2/13	# treatments	14	10	13	0	2	0	0
10/3/13	# treatments	13	12	22	3	6	0	1
10/4/13	# treatments	12	15	18	7	3	3	0
10/5/13	# treatments	11	11	17	0	6	0	0
10/6/13	# treatments	18	13	9	3	1	0	0
10/7/13	# treatments	16	13	7	0	0	0	0
	AVERAGES	13.1	13.4	17.4	2.6	3.6	0.4	0.4



Calculating Time for Activities

		Estimated Time	Hours
Isolation			
treatments	13.1	5	1.09
Stray Isolation			
treatments			
	13.4	5	1.12
Floor Medications	17.4	5	1.45
FeLv/Combo test	2.6	10	0.43
Medication			
(marquis,			
pyrantel,revolutio			
n)	3.6	5	0.30
Scar check,			
reculture, woods			
test	0.4	10	0.07
Re-Vaccinate	0.4	5	0.03
		Total Hours	4.49



Spay / Neuter

How many need to be done?

Based on Adoptions / LR and % unaltered

When?

Timing during week

How long does it take?

Include ALL staff

Include ALL parts

- Prep / collecting animals
- Surgery
- Clean-up
- Scheduling?
- Returning animals?



Simple Summary

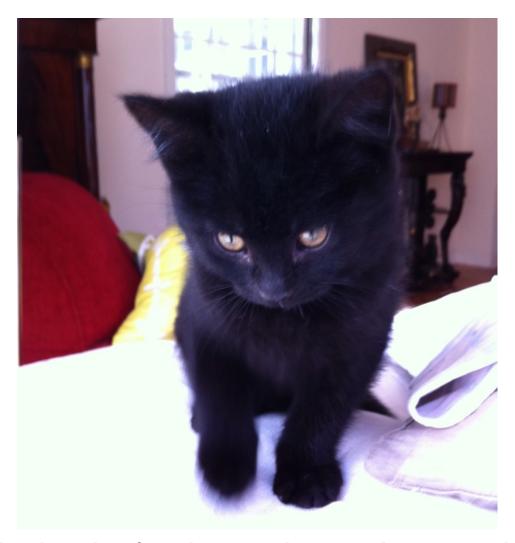
Required Time x Avg. daily number = Holding capacity

Avg. daily LR numbers * target LOS = LR Capacity

Required time x # of repetitions = Staffing requirements



Your reward!



My thanks for the work you do everyday!



Length of Stay Resources

aspcapro.org/stay

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- Daily Rounds: How to Decrease Length of Stay
- Fast Tracking to Save Lives: Simple to Systematic



