

System Modeling: The Who, What When, Where & Why

Megan Kurteff Schatz

National Alliance to End Homelessness National Conference

July 16, 2017

www.focusstrategies.net



About Focus Strategies

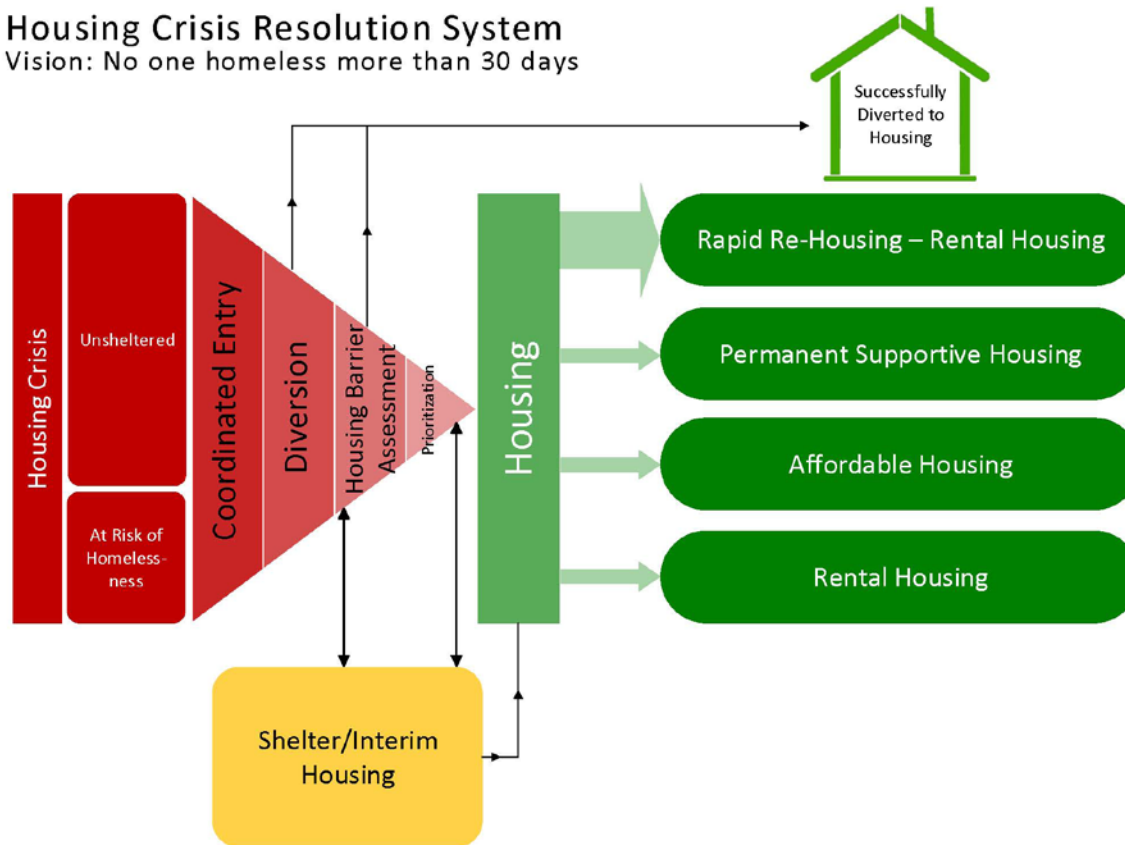
We believe the HEARTH Act and Opening Doors lead the way to finally ending homelessness.



FocusStrategies.net

Homeless Crisis Response System

Housing Crisis Resolution System
Vision: No one homeless more than 30 days



Modeling answers:

What happens to the size of the homeless population when:

- Changes are made to homeless system design & performance?
- Given changing expectations about performance related to housing market conditions?

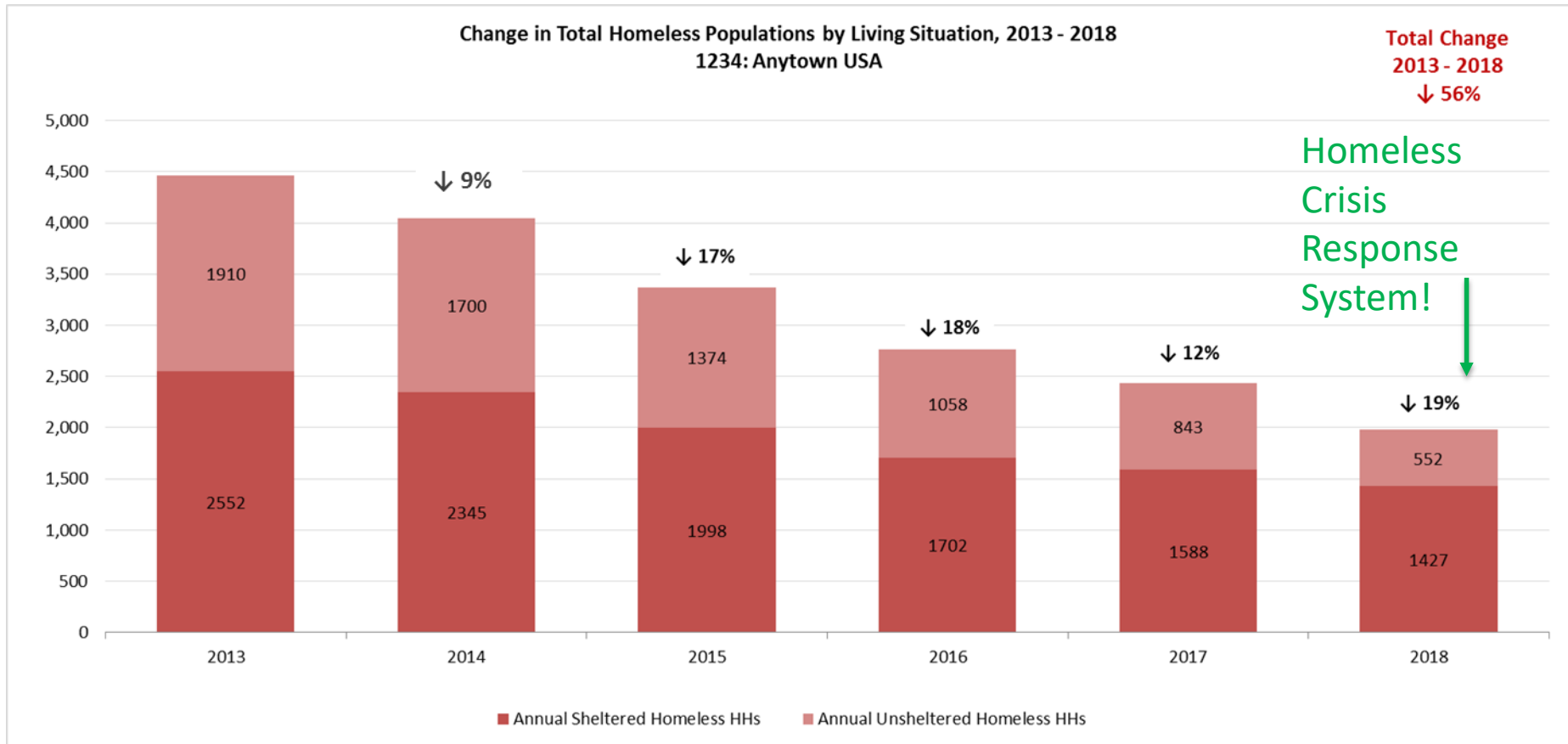
Key Steps to Modeling

- Review population & inventory information
- Assess what the existing homeless system and programs are accomplishing
- Identify what is working and what needs improvement or development
- Model impacts of improving system performance under projected conditions

Types of System Changes You Can Model

- Addition of new system components
- Investments of new funds
- Shifts in existing investments
- New system level policies (e.g. prioritization of people who are chronically homeless or unsheltered)
- New system-level initiatives (e.g. long-stayer, landlord recruitment)
- Program level performance improvement

Effectively Ending Homelessness



System Modeling: The Who, What, When, Where, Why

- Who – you! CoC leads, funders, data leaders
- What – today’s content
- When – community wants powerful system planning
- Where – community/CoC level or statewide
- Why – chart specific path to effectively end homelessness

Population Data

Estimated Annual Homeless Population (Annualized PIT)

	Adult Only HHs	Family HHs
Unsheltered	1,500	30
Emergency Shelters	1,100	300
Transitional Housing	200	110
TOTAL	2,800	440
	86%	14%
	Total HHs	3,240

Estimated Annual Subpopulations -People in Households

Chronically Homeless	100
Youth and Children (0 – 24)	220

Units in HMIS

<i>Units in HMIS (from the Housing Inventory Count - HIC)</i>	Adult Only HHs	Family HHs
Emergency Shelters	300	100
Transitional Housing	130	60
Rapid ReHousing	470	120
Permanent Supportive Housing	450	130
TOTAL	1,350	410
	77%	23%

Project Performance

Average Length of Stay (LOS)

	Adult Only Households				Family Households			
	Current LOS	HHs served	Adjusted LOS*	HHs Served	Current LOS	HHs Served	Adjusted LOS*	HHs Served
Emergency Shelters	99	1,100	45	2,400	120	300	60	600
Transitional Housing	237	200	120	400	199	110	120	180

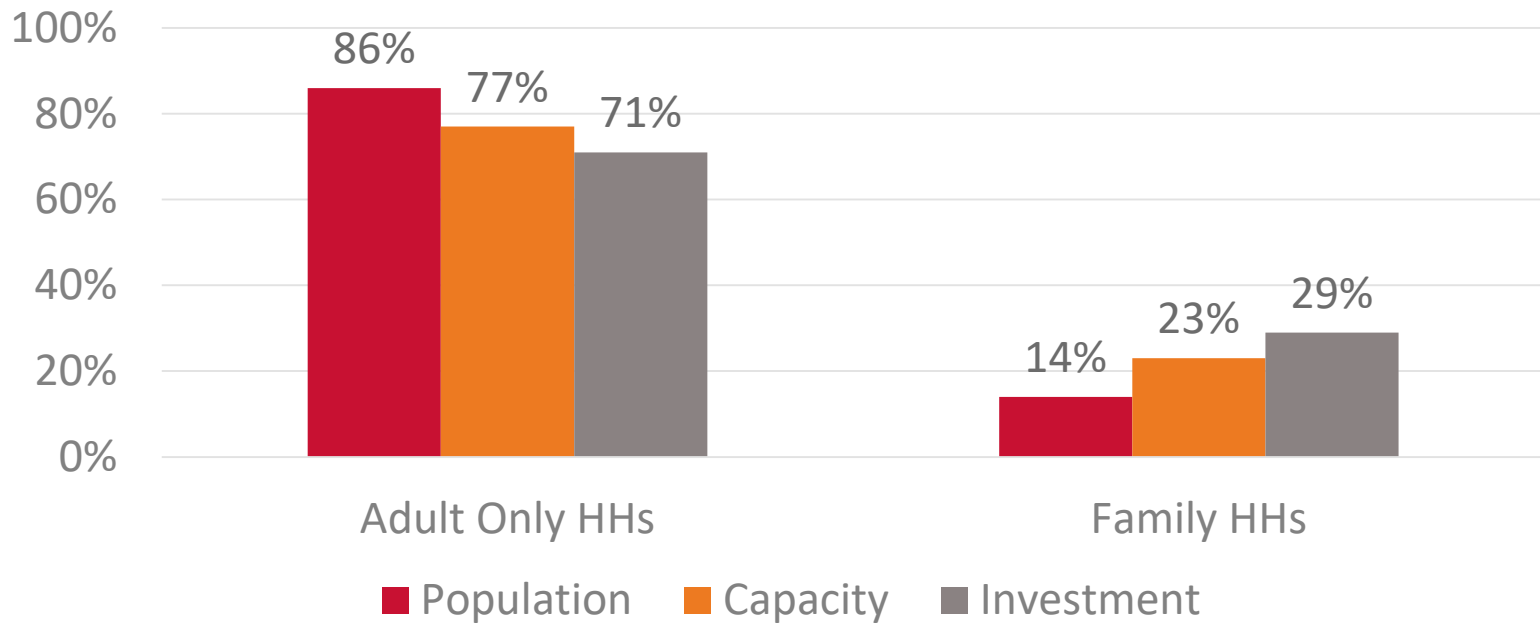
**Adjusted LOS provided to show what the impact would be of having shorter LOS*

Investment

Investments	Adult Only HHs			Family HHs		
	Amount	% of Total	% Exits to PH	Amount	% of Total	% Exits to PH
Emergency Shelters	\$1,790,500	10%	15%	\$1,790,500	10%	7%
Transitional Housing	\$1,950,000	11%	6%	\$900,000	5%	3%
Rapid ReHousing	\$3,525,000	20%	55%	\$900,000	5%	14%
Permanent Supportive Housing	\$5,550,550	31%	N/A	\$1,611,450	9%	N/A
Diversion	\$0	0%	N/A	\$0	0%	N/A
Total	\$12,816,050	71%	76%	\$5,201,950	29%	24%

Population, Capacity, and Investment

Homeless Population, Capacity, and Investment



System Performance

HUD System Performance Measure 5 – Number of persons who become homeless for the first time	Previous FY	Current FY	Difference
Universe: Persons with entries into ES, SH, or TH during the reporting period	2,000	2,400	400
Of persons above, count those who were in ES, SH, TH or any PH within 24 months prior to their entry during the reporting year	200	500	300
Of persons above, count those who did not have entries in ES, SH, TH, or PH in the previous 24 months (i.e., number of persons experiencing homelessness for the first time)	1,800	1,900	100

Discussion Questions

- If you could model one change in this system, what would it be?
- Which do you suspect would reduce homelessness the most?
- How could this approach (prep for modeling) be useful in your community?

Performance Analysis & Modeling Examples

- System-wide Analytics & Projection (SWAP)
- See results in context:
 - San Mateo
 - Seattle/King County
 - More examples www.focusstrategies.net
 - Tools www.focusstrategies.net/swap

Modeling Context

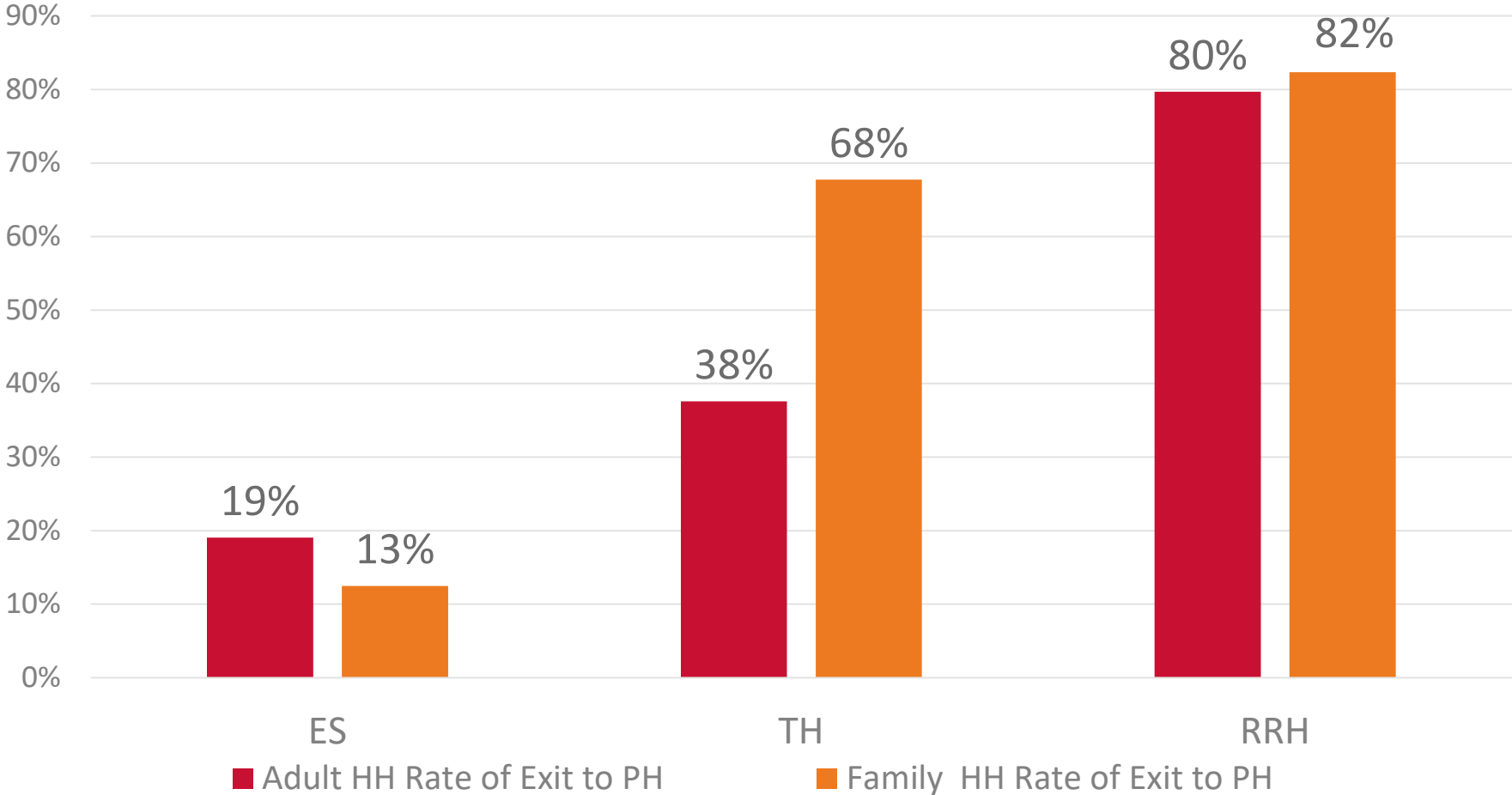
- Modeling is within the context of careful system analysis and planning
- Requires completing analysis of current system inventory, investments & performance
- Interactions/relationship between each measure must be considered

Performance examples

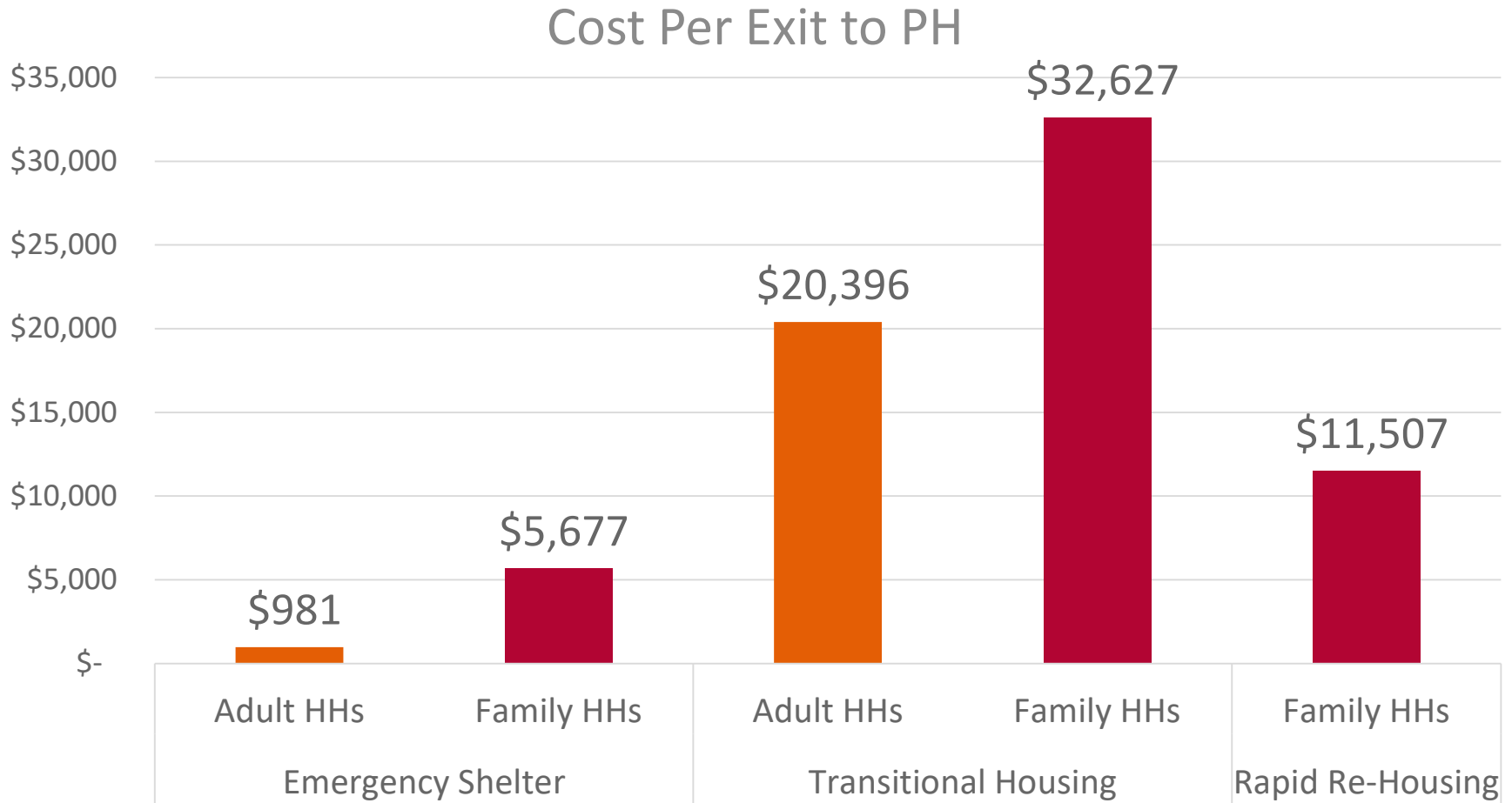
BONUS SLIDES

Exit to PH: San Mateo County, CA

Rate of Exit to PH



Cost Per PH Exit: Seattle/King County



Cost Per PH Exit: Anytown

