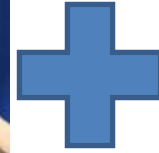


A photograph of a peaceful outdoor garden. A light-colored concrete path curves from the foreground towards the background. To the left of the path, there is a simple concrete bench. The path is bordered by a bed of smooth, greyish-blue stones. The garden is filled with lush green grass, various shrubs, and several large trees with thick trunks. Sunlight filters through the leaves, creating dappled shadows on the grass and path. The overall atmosphere is calm and natural.

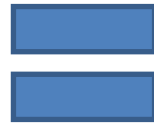
Behavioral
Health
Service
Utilization



Need

Predisposing

Enabling



Behavioral Health Service
Utilization

Predisposing



Enabling





Need

Research Questions

What are the predisposing, enabling and need factors associated with mental health and substance abuse service utilization among:

- 1) a sample of 260 people who were homeless in the greater Phoenix area?
- 2) a national sample of people who were homeless?



SUPPORT
VETERANS
SUPPORT

100,000 HOMES

For 100,000 homeless
Americans by July 2013

Vulnerability to Die on the Street

- 3 or more hospitalizations in a year
- 3 or more ER visits in the previous 3 months
- age 60 or older
- cirrhosis of the liver
- end-stage renal disease
- history of frostbite
- HIV/AIDS
- trimorbidity: co-occurring psychiatric, physical illness and substance abuse issue



Phoenix vs. National Sample

Predisposing	Phoenix	National
Age (M)	47	46
Proportion of life homeless (M)	13%	9%
Male	86%	73%
White	52%	34%
Hispanic/Latino	13%	9%
African American	14%	53%
Native American	15%	1%
High School Graduate	67%	55%
Been in Jail or Prison	83%	69%
Veteran	21%	14%

Phoenix vs. National Sample

Enabling	Phoenix	National
Has Health Insurance	70%	62%
Has AHCCCS or Medicaid	60%	16%
Public Financial Assistance	12%	10%
Trusted Outreach Worker	37%	13%
Need		
Has a Physical Illness	47%	48%
Has a Mental Illness	34%	28%
Substance Abuse Issue	74%	52%
Behavioral HSU		
Mental Health Tx	31%	28%
Substance Abuse Tx	43%	36%

Phoenix vs. National Sample

Vulnerability Variables	Phoenix	National
3 or more hospitalizations/year	4%	8%
3 or more ER visits/last 3 months	6%	12%
Age 60 or older	10%	11%
Cirrhosis of the liver	8%	7%
End-stage renal disease	4%	4%
History of frostbite	7%	6%
HIV/AIDS	1%	3%
Tri-morbidity	27%	22%
1 or more vulnerabilities	44%	44%



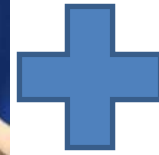
Mental Health Service Use

	Phoenix	National
Age	0.96*	0.98**
Female		1.99**
African American		0.83**
Hispanic/Latino		0.55**
Previous Foster Child		1.47**
Been in Jail or Prison		1.53**
Has Health Insurance	2.73*	1.80**
Public Financial Assistance		1.68**
Has a Physical Illness	2.04*	1.56**
Has a Mental Illness	4.78**	7.60**
Has a Substance Abuse Issue	2.15*	2.01**



Substance Abuse Service Use

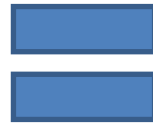
	Phoenix	National
Age		0.99*
Hispanic/Latino		0.67**
Previous Foster Child		1.47**
Been in Jail or Prison	2.11*	2.12**
Veteran		1.30**
Has Health Insurance	2.22*	1.14*
Public Financial Assistance		1.16*
Trusts an Outreach Worker		1.31**
Has a Physical Illness		1.43**
Has a Mental Illness		1.21**
Has a Substance Abuse Issue	8.10*	14.40**



Need

Predisposing

Enabling



Behavioral Health Service
Utilization



PROJECT**H3**

home, health, hope



Project H3 Participants on

Street and 6 Months

Age (M)		46
Male		82%
White		65%
Numbers of years homeless (M)		8
Proportion of life homeless (M)		15%
Physical illness		58%
Sleep in shelter/housing	12%	95%
Health insurance	74%	84%
Mental illness	36%	42%
Mental health treatment	21%	37%
Substance abuse issue	58%	21%
Substance abuse treatment	44%	26%

“We’re going to have about 20 people over for July 4th”

“We have a lot of friends to help us”

“I went to court and they told me that I’m bi-polar and I can’t work. I get enough money.”

“They took me to get money.”



Diabetes

Asthma

Emphysema

Mental illness

Liver disease
Emphysema
Drug use

Hep C
Mental Illness
Dyslexia

“I was homeless. I was living on the streets. The cops were messing with me all the time. I just had no hope for life.”



“I have people in my life that I didn’t have before that I can count on. I know that if I call them, I can talk to them. Most community bridges, Liz, Jeanne and Nick Margiotta from Phoenix Police. Those are my people... I think of them as family, they’re my closest friends.”



100,000 HOMES

For 100,000 homeless
Americans by July 2013