

David W. Covington, LPC, MBA CEO & President, RI International

Bevond Inpatient

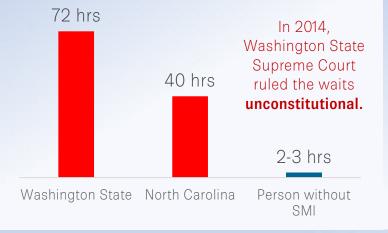
The Crisis Now Continuum System

CRISIS HEALTH RECOVERY CONSULTING



Disastrous Access to Care Wastes Resources

Psychiatric Boarding: Long Hospital ED Waits



Law Enforcement: Impact on Public Safety

One study found that **1 in 10 calls** for service involved a person with a serious mental illness

In Madison, Wisconsin, law enforcement found that behavioral health calls for service take **twice as long to resolve** (3 hours versus 1.5 hours on average)



Seattle Times (2013):

Lack of space forced those involuntarily detained to wait for treatment, on average three days, in chaotic hospital EDs and illequipped medical rooms. Frequently parked in hallways or bound to beds, usually given medication but no psychiatric care.

Carolinas Healthcare benchmarked boarding times in their EDs in 2015 but has since reduced wait times 50% from the figure cited.

Law Enforcement

Chappell, D (2013) Policing and the Mentally Ill: International Perspectives. Boca Rotan, FL: CRC Press)

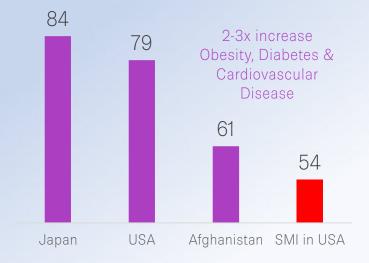
Madison, Wisconsin data cited by Ruby Qazilbash, Associate Deputy Director, Bureau of Justice Assistance, August 31, 2017 ISMICC Federal Committee

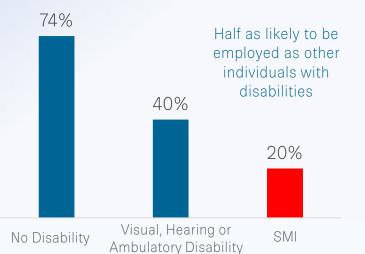




What are the Current Real Outcomes?

Health: Avg Life Span





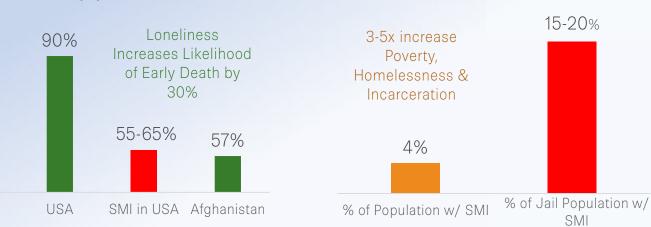
S Finance: Employment

Community: Friends & Social Supports

98%

Iceland

Autonomy: Making Own Life Decisions



Health

Life expectancy data WHO and NASMHPD, and Disease Prevalence from World Psychiatry

Finance

Employment data from American Community Survey and NAMI SMI

Community

Nation data from World Happiness Report ("Someone to rely on in times of trouble"). SMI data from AZ Health Risk Assessments ("Someone to talk to about problems" and "Someone invites me out for dinner/activity.")

Autonomy

"Prevalence of SMI Among Jail Inmates" and "Poverty and Severe Psychiatric Disorder"

Life for the nearly 10 million people with SMI in the US has comparable outcomes to the average person in Afghanistan.

Thousands Die Alone and In Despair

Suicide Rate: Hazard Ratio vs. General Population

3-4x

2-4x

People with SMI

White Males 65+

Veterans/Military



Alaskan Natives/ **American Indians**

LGBT Youth



6-12x

Unspeakable Family Pain: Tragic Outcomes

In 2013, Virginia State Senator Creigh Deeds told CNN he was alive to work for change in mental health. A week earlier, he was stabbed multiple times by his son, who then died of suicide. This happened hours after a mental health evaluation suggested "Gus" needed more intensive services. Tragically, he was released before the appropriate care could be found.



Suicide Risk

According to the American Association of Suicidology, the 2014 suicide rate for males 65+ was 32 per 100,000, but 51 per 100k for those over 85.

In 2010, USA Today reported the US Army suicide rate at 22 per 100,000 but the Fort Hood rate was 47 per 100,000.

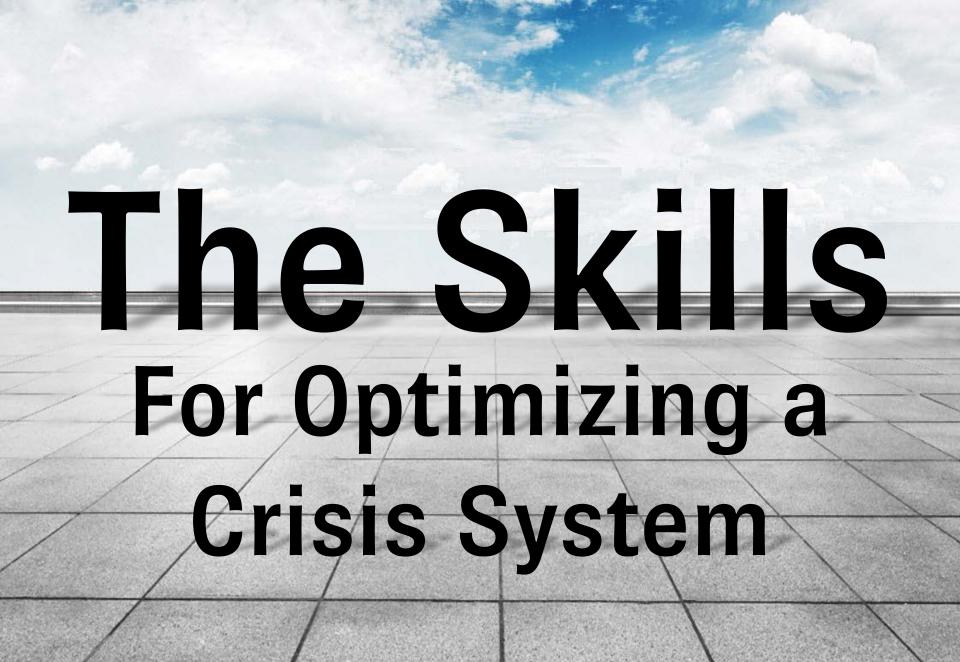
The Suicide Prevention Resource Center (SPRC) reported Alaskan Native/American Indian males ages 15 to 24 had the highest rate at 28 per 100k. In 2010, USA Today reported those AN living in Alaska had a suicide rate of 42 per 100,000.

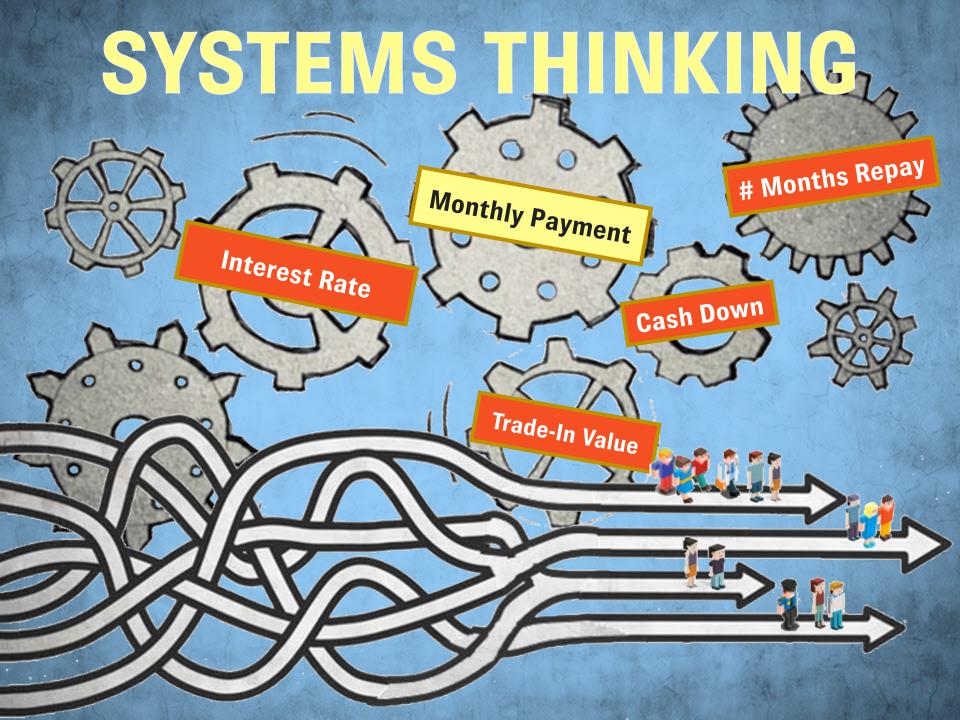
The SPRC says little can said with certainty about death rates for LGBT youth due to limited data collection. Other research suggests two three times the national rate.

In 2008, a UK study by Osborn found the hazard ratio for individuals with SMI, including Schizophrenia, to be nearly 13 times the general population. In 2010, King's Health Partners found the risk to be 12 times greater during the first year following diagnosis of a serious mental illness.

Violence

While rare, incidents of individuals with SMI who were untreated being involved in the tragic deaths of others have garnered the attention of our national dialogue.





SUPPLY CHAIN MANAGEMENT

New Year's Day, you are taking inventory on a key product and you have the following number remaining on the shelf from December. Which is best?

Scenario A 1 0

WHAT KIND OF DISTRIBUTION?

.....

Highest Wave: If every 15 minutes Nearly 200% of Average between 10am and 5pm were a crisis call wave... 2694 1269 **Average Wave:** 13% 73% 9 Waves Were "Average" **Lowest Wave:** 21% of Average 23

FORECASTING CRISIS NEED



Model #1 Traditional State Hospital Beds

Model #2 Crisis Now

Let's Build

Nodels

Continuum

Model #3 Crisis Now System Crisis Services Task Force FINAL DRAFT

Crisis Now

Transforming Services is Within Our Reach

Action 🔓 Alliance

High Tech

Home-

Their Place

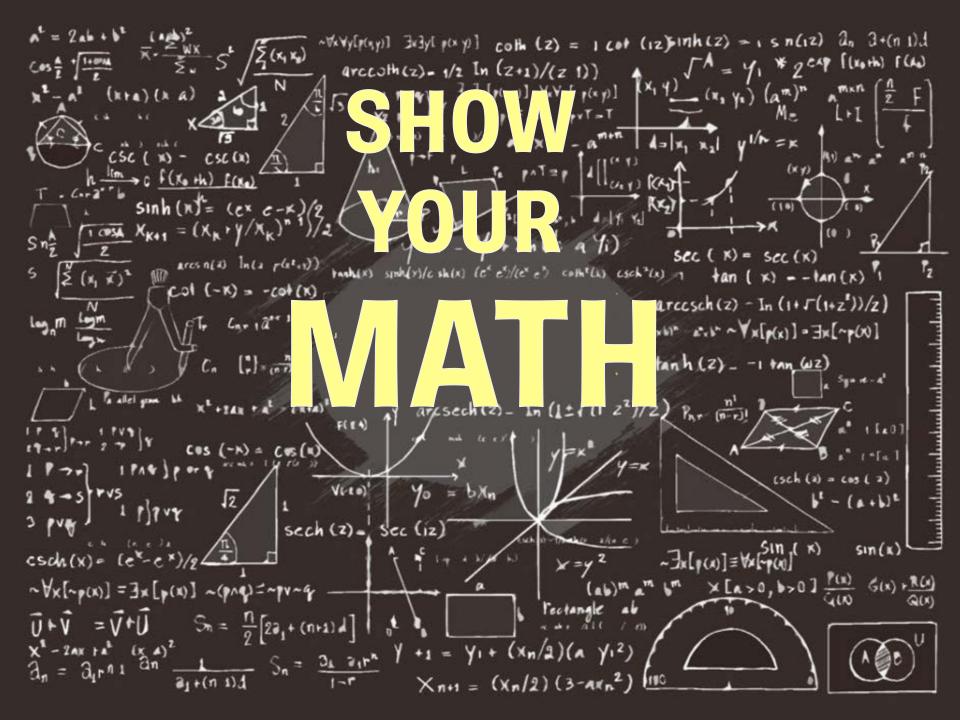


Action Alliance

NSPL Lifeline NASMHPD

National Council

Arizona AHCCCS

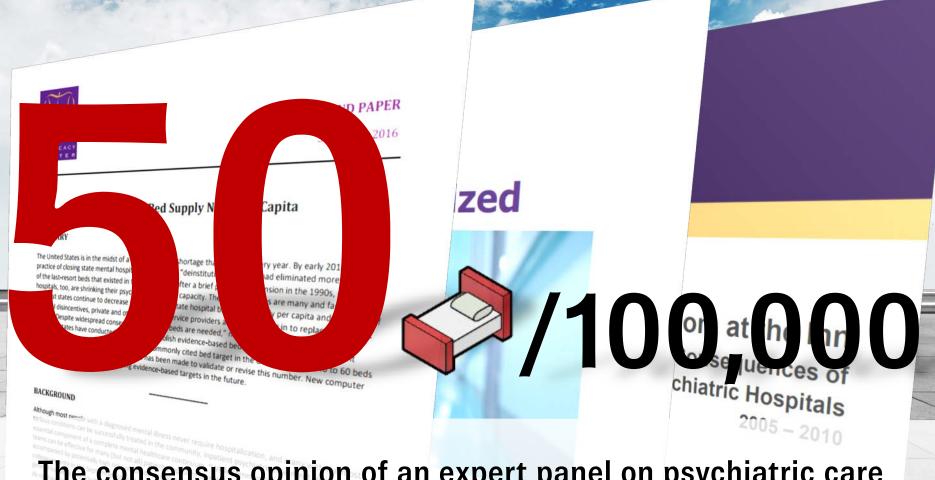


Model #1

Traditional Public Inpatient

In the First Model, implement the 50 public sector psychiatric inpatient beds per 100,000 population necessary to meet community crisis needs.





The consensus opinion of an expert panel on psychiatric care estimated the need as around 50 public psychiatric beds per 100,000 population (Treatment Advocacy Center).

> opie, By early 2016, the state hospital bed population had and county of these or two non-neuroles. Of these or nearly half ware or or two of the state hospital bed population had ⁽⁰⁰⁾ people. By early 2016, the state hospital bed population had ^x 11.7 beds per 100,000 people. Of these, nearly half were occupied ^{lilness:} barely six beds per 100,000 people. These, nearly half were occupied ^{liness:} barely six beds per 100,000 people. These is the state occupied ^{liness:} barely six beds per 100,000 people. These is the state occupied ^{liness:} barely six beds per 100,000 people. These is the state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds per 100,000 people. The state occupied ^{liness:} barely six beds people. The state occupied ^{liness:} barely six barely six beds people. The state occupied ^{liness:} barely six barely six barely six barely six barely six barely

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AnyBigCity, USA Pop. 4m

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Psych Hospital

Pop. 4m

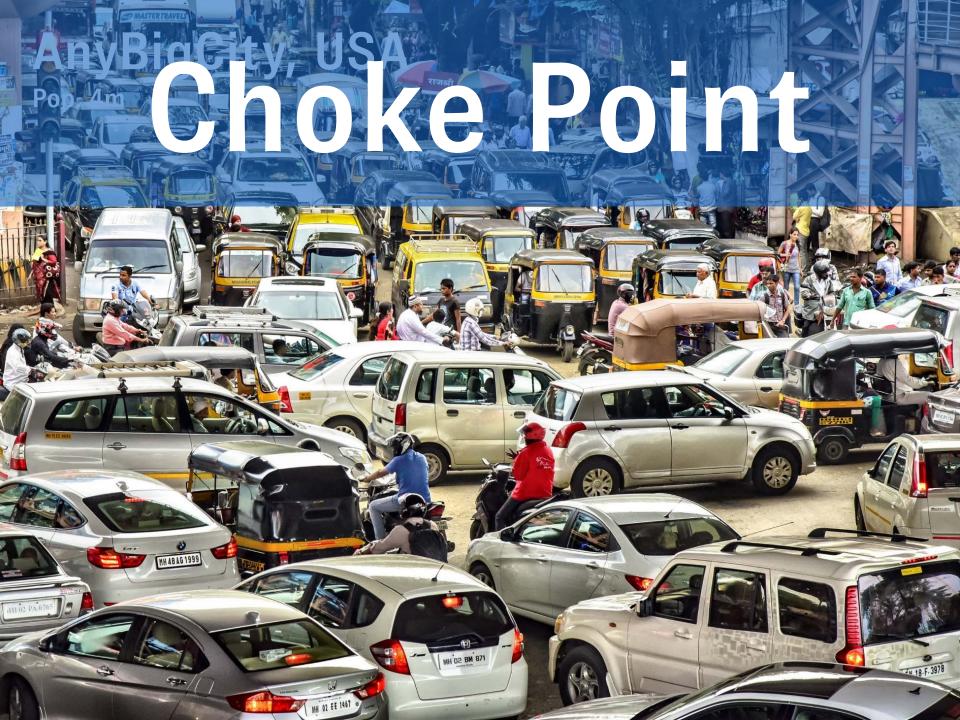
HOM

Pop. 4m

Core Community Crisis

Demand/Flow





Pop. 4m



CALIFORNIA HOSPITAL

Providing Leadership in Health Policy and Advocacy

April 2015 Whom it May Concern TO: Sheree Kruckenberg, Vice President Behavioral Health FROM: Access to Timely Psychiatric Emergency Services SUBJECT: California, like the nation, is struggling to ensure individuals with a suspected/potential mental illness are able to receive a timely psychiatric evaluation and access to an appropriate level of treatment, if needed. The California Hospital Association (CHA) represents over 400 hospitals. In 2011, these hospitals received over 1.1 million individuals in their emergency departments (EDs) in need of some level of behavioral health intervention. An analysis of emergency department utilization data between 2006 and 2011 verified that the overall use of EDs for behavioral health visits increased 47% during this 5-year time period and the trend data indicate this continues to increase each year. The vast majority of individuals arriving at a community medical/surgical hospital ED with a behavioral health need do not have a physical health need to no The vast majority of individuals arriving at a community incur availing on the property level of care intervention. health need do not nave a physical nearth condition that requires an entreportery terrely to the terrely to the terrely in terrely in the terrely in terrely This holds true for psychiatric emergency medical conditions as well. Unfortunatery, now even often no alternative behavioral treatment settings available on a 24/7 basis. This forces hospital emergency departments, including those without behavioral health elimetance to become the only treatment is not anoroniate not safe and not an officiant use of during time devaluation reatment is not appropriate, not safe, and not an efficient use of dwindling com-

tion providers, and reduce

ocation to act as the prim

The increasing dependence on medical/surgical hospital EDs to provide behavioral evaluation and treatment is not appropriate, not safe, and not an efficient use of dwindling community emergency resources. This includes not only hospitals, but emergency transportation providers and law enforcement. More importantly, it impacts the patient, the patient's family, other patients and their families, and of course the hospital staff. unission more than e patient backlogs in eme argical hospital emergency care, if replicated access



ent by 80%



54%

22%

2%

LOCUS

3%

14%

6

Pop. 4m

Community

LOCUS data based on eleven years of data for the statewide Georgia Crisis & Access Line, encompassing more than **1.2 million episodes** of care for crisis and focused on emergency department contacts.

Hospital

Pop. 4m

HERRIC

Emergency Medicine International

in Web o Science

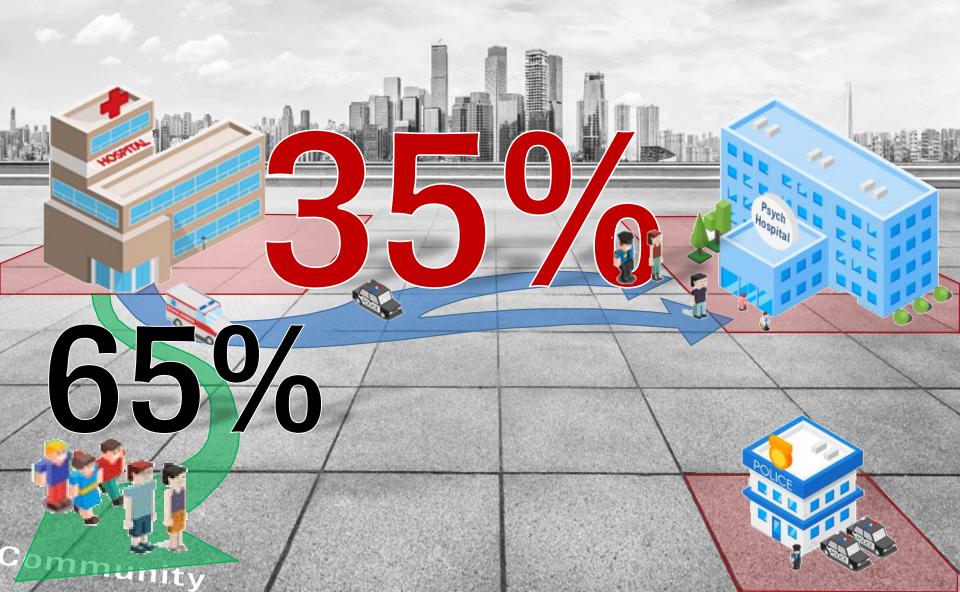
Indexed

The Impact of Psychiatric Patient Boarding in Emergency Departments B. A. Nicks and D. M. Manthey

Abstract

Studies have demonstrated the adverse effects of emergency department (ED) boarding. of resource utilization, throughput, and financial impact for psychiatric The authors retrospectively studied all psychiatric and Ol January 2007-2008. The main outcomes were ED length of stay (LOS) and associated reimbursement. Results. 1,438 patients were consulted to psychiatry with 505 (35.1%) requiring inpatient psychiatric care management. The mean psychiatric patient age was 42.5 years (SD 13.1 years), with 2.7 times p more women than men. ED LOS was significantly longer for psychiatric admissions (1089 min, CI ⁿ (1039–1140) versus 340 min, CI (304–375); $P \le 0.001$) when compared to non-psychiatric admissions. The financial impact of psychiatric boarding accounted for a direct loss of (\$1,198) compared to nonpsychiatric admissions. Factoring the loss of bed turnover for waiting patients and opportunity cost due to loss of those patients psychiatric patient board to loss of those patients, psychiatric patient boarding cost the department \$2,264 per patient. Conclusions. Psychiatric patients awalting inpatient placeture psychiatric admissions. Factoring Inc.

Pop. 4m



Australian & New Zealand Journal of Psychiatry

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A Comparison in Hospitalization Rates Between a Community-Based Mobile Emergency Service and a Hospital-Based Emergency Service

Malcolm Hugo, Matthew Smout, John Bannister First Published August 1, 2002 Research Article Article information ~ Download PDF 🧱

and Consumer Satisfaction Roger L. Scott, L.C.S.W. **Results:** Fifty-five percent of the emergencies handled by the mobile crisis team were managed without psychiatric hospitalization of the person in crisis, compared

Evaluation of a Mobile Crisis

Program: Effectiveness, Efficiency,

with 28 percent of the emergencies handled by regular police inter-Objectives: The aims of this study were to c Abstract vention, a statistically significant difference. mobile community-based psychiatric emerge emergency service, and to identify the clinicar ch Methods: A retrospective, quasi-experimental design was used with a 3-month cohort of all face. to-face emergency service contacts presenting at the mobile and hospital-based sites. The Health of the Nation Outcome Scales and details of the outcome following initial assessment were completed for all contacts, and each provine wave of the differences in clinical Results: Hospital-based emergency service contacts were found to be more than three times as likely to be admitted to a psychiatric inpatient unit when compared with those using a mobile Incry to be autilitied to a psychiatric inpatient unit when compared with nose using a mobile mmunity-based emergency service, regardless of their clinical characteristics. Those with munity-based emergency service, regardless of their clinical characteristics inose win and major affective disorders and delusions, and accidental self-injurity ballemations and delusions.

oon with the mobile crisis program energencies handled by the mobile crisis team were managed inhout pychiatric hospitalization of the person in crisis, compared to the second of the person in crisis, compared to the second of the secon with 25 percent of the emergencies handled by regular police interwith 25 percent of the emergencies handled by regular Police inter-vention, a statistically significant difference. The difference in arrest vention, a statistically significant difference. The difference in arrest ray for persons handled by the two groups was not statistically significant the average cost per case was 23 percent less for persons average by the nonle exist team Both consumers and police of resons ave positive ratings to the mobile crisis program. <u>Conclusions: Mon</u> bile crisis programs can decrease hospitalization rates for persons in bile crisis programs can decrease hospitalization rates for persons in crisis and can provide cost-effective psychiatric emergency services that are favorably merceived by consumers and police officers. (Pau crisis and can provide cost-effective psychiatric emergency services that are favorably perceived by consumers and police officers. (Psy. elisteric services 51:1152-1156: 2000) national survey of mobile cri-A this programs conducted in 1993 showed that 39 states had such services (1). The advantages atrie hospitalization, family burden, and such services (17, 100 meanings) reported for such programs included and the costs to the criminal justice improved access to treatment for and the costs to the community providing professional mentally ill persons, the capability

services based on diversion of patients from hospital admission to community-based services. In another study. Lamb and associates (6) concluded that mobile polices mental health outreach teams "apparently avoid criminalization of the

This paper reports on a retrospective study of the impact of a mobile erisis program on psychiatric hospitalization rates and arrest rates of People in crisis. Cost-effectiveness data and consumer and police satisfaction with the program are also re-

The mobile crisis program The mobile crisis program of DeKalb the nonne crass program or termine County, Georgia, is a component of

nmunity Service

comprehensive ce agency for the unty is a metro-

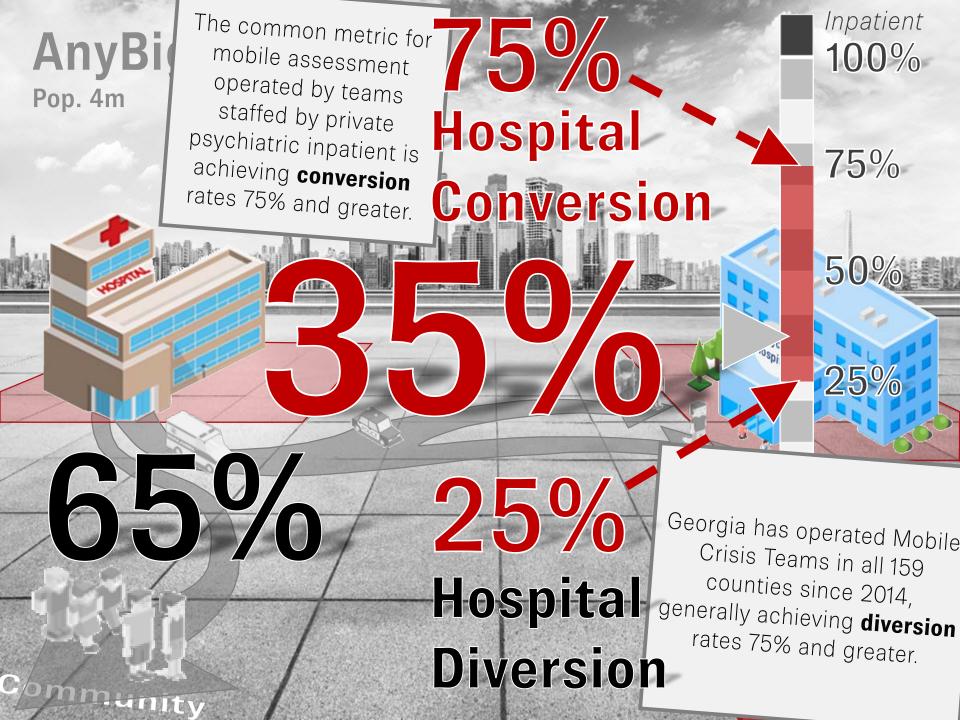
of approximately nd includes part a. The program

1993 as a joint V's Public safety

members of mentally ill advocacy groups were actively involved in es-

Results: Hospital-based emergency service contacts were found to be more than three times as likely to be admitted to a psychiatric inpatient unit when compared with those using a mobile community-based emergency service, regardless of their clinical characteristics.





1111

54%

22%

6%

2%

LOCUS

3%

14%

6

Hospita

Pop. 4m

HEFT

T.

22%

33%

14%

6

22%

6%

2%

LOCUS

3%

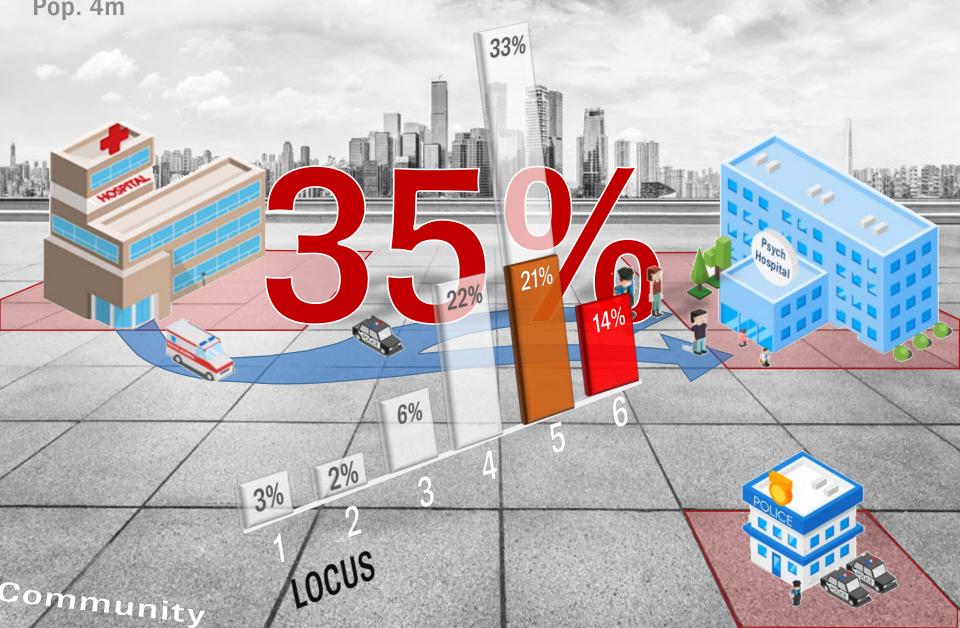
Hospital

Pop. 4m

HOSTIN

65%

Pop. 4m



33%

21%

14%

6

22%

6%

2%

LOCUS

3%

Pop. 4m

WESTIN

Inpatient **100%**

75%

50%

25%

0%

3%

18%

36%

14%

6

22%

6%

2%

LOCUS

Pop. 4m

HORAN

5

Inpatient **100%**

75%



PSyc



3%

51%

6

22%

6%

2%

LOCUS

3%

Pop. 4m

HORTH

Inpatient **100%**

75%





33%

21%

14%

6

22%

6%

2%

LOCUS

3%

Pop. 4m

WESTIN

Inpatient **100%**

75%

50%

25%

0%



33%

21%

22%

2%

LOCUS

3%

X X XX O X XX O CCFN (Crisis Clinical Fit to Need)

15% Secure Nonr.

idential



96

122

Pop. 4m

Psychiatric Bed Supply Need Per Capita BACKGROUND PAPER

42

81

100

72

colleagues write in the September issue of *Australian & New Zealand Journal of Psychiatry*. Psychiatric units in general hospitals and private psychiatric hospitals occasionally admit individuals who are severely ill, but most do not have the resources to provide intensive psychiatric care. Additionally, because individuals with the most severe and chronic mental illnesses experience high rates of unemployment, poverty and homelessness, they often do not have personal resources or health insurance to pay for their hospitalization, which discourages hospitals from admitting them. In 2013, uninsured individuals with schizophrenia or bipolar disorder were less likely than any other psychiatric patient category to receive hospital care.



6

261) 200

Red

55

2,000 Beds

Occupy

95%

95%

95%

95%

95%

95%

0%

15%

10%

15%

10%

11%

ALOS

400

12

30

6

20

Beds

55

215

46

200

1484

Persons Served Monthly

55

261 200

1484

Pop. 4m

Level of Care

State Hospital

Hospital-Based

New Capacity

AGGREGATE

Comr. 3,227

Med-Psych

COE

AnyBigCity, USA Pop. 4m What does it cost per year?

108,52

Community A Hours x 36,173

\$2264 Each X 34,675

Model #2

Crisis Now Continuum

In the Second Model, <u>add</u> the principle services of the Crisis Now Continuum: a Crisis Call Center, Mobile Crisis and Crisis Facility Services



Hospita

Hub

Mobile

Crisis Call Center

Detox

Crisi

Pop. 4m

HOSTI

Community

Respite

Detox

Crisis

Crisis Call Center

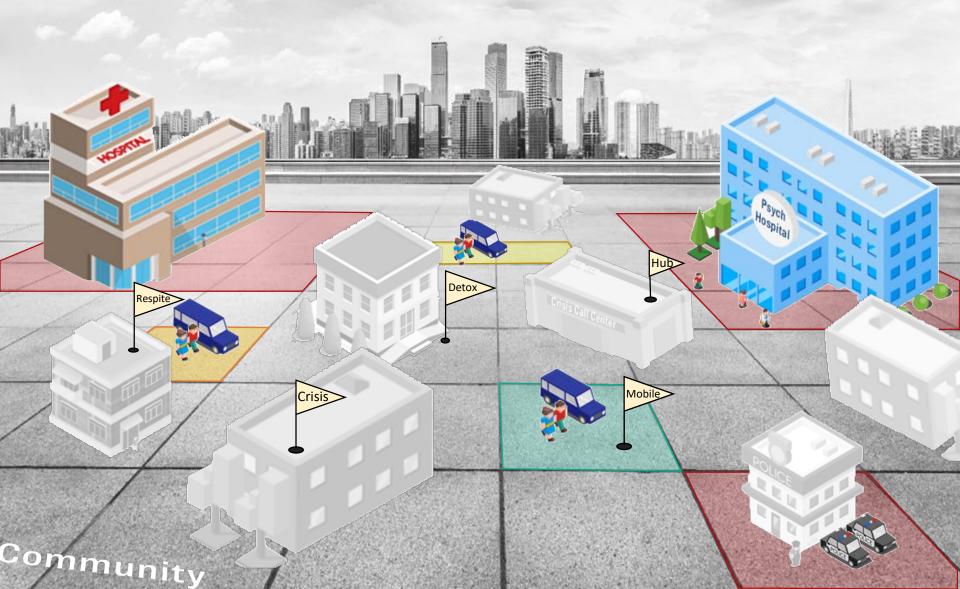
Mobile

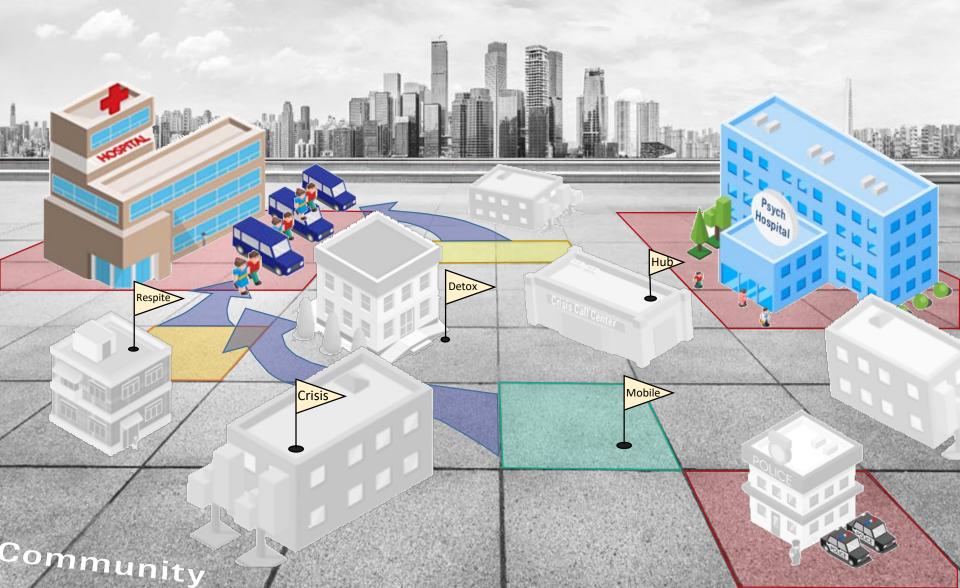
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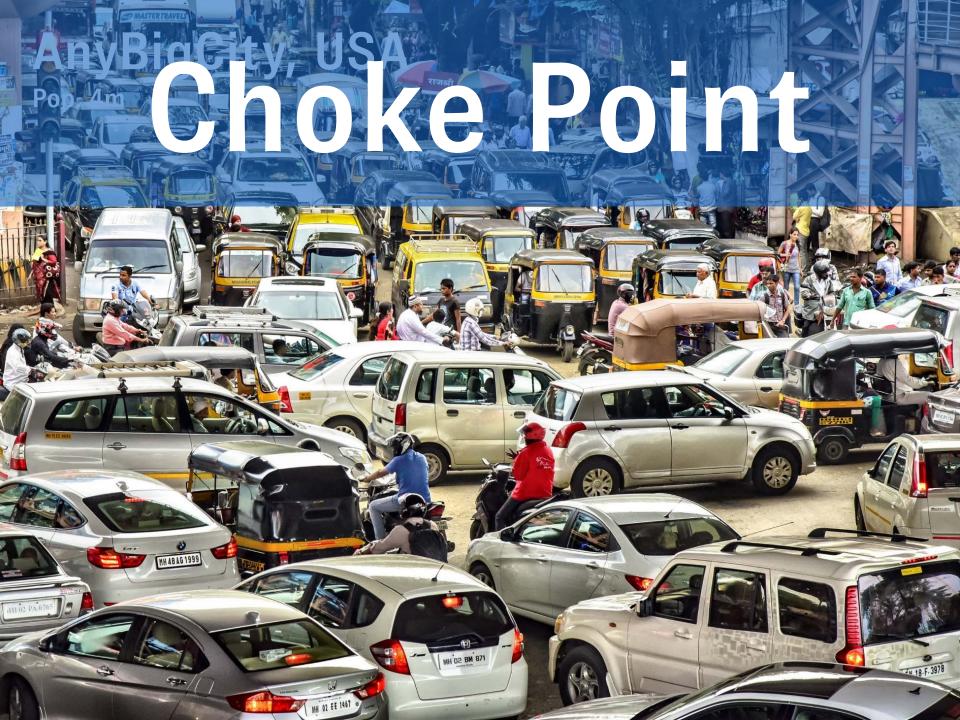
Pop. 4m

HEFT

Respite







Inefficient Processes

Voice Mail Dry Erase Bed Boards Paper Tracking/ Referrals

Model #3

Crisis Now System

In the Third Model, <u>fully deploy</u> the principle practices of the Crisis Now System and add Crisis Navigator and a 24/7 Outpatient Clinic



Hospita

Hub

Mobile

Crisis Call Center

Detox

Crisi

Pop. 4m

HOSTI

Community

Respite

Hospita

Hu

Mobile

Crisis Call Center

Detox

Crisi

....

Pop. 4m

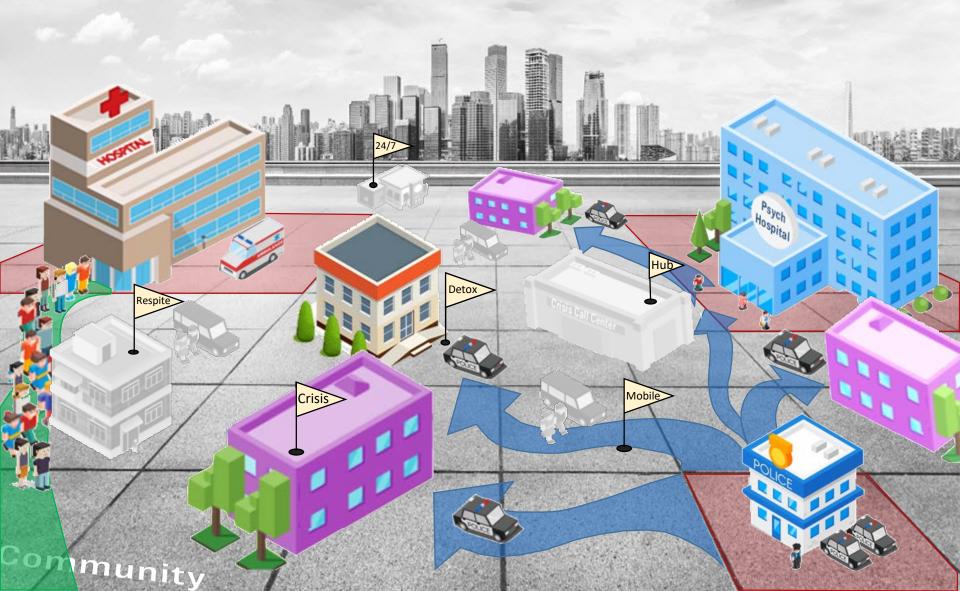
HUST

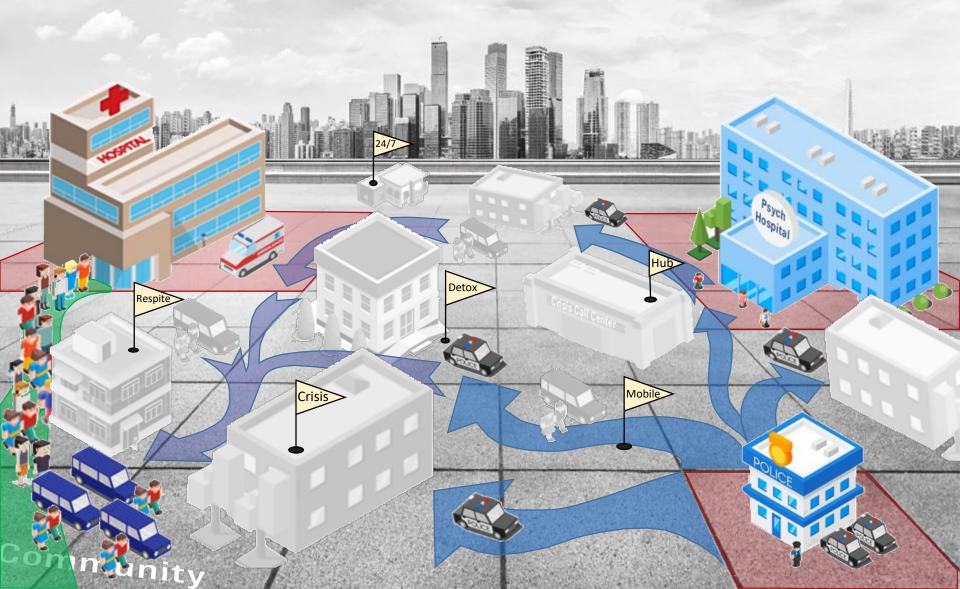
Respite

11

Community

Navigator





Detox

Crisis

Crisis Call Center

Mobile

Psych Hospital

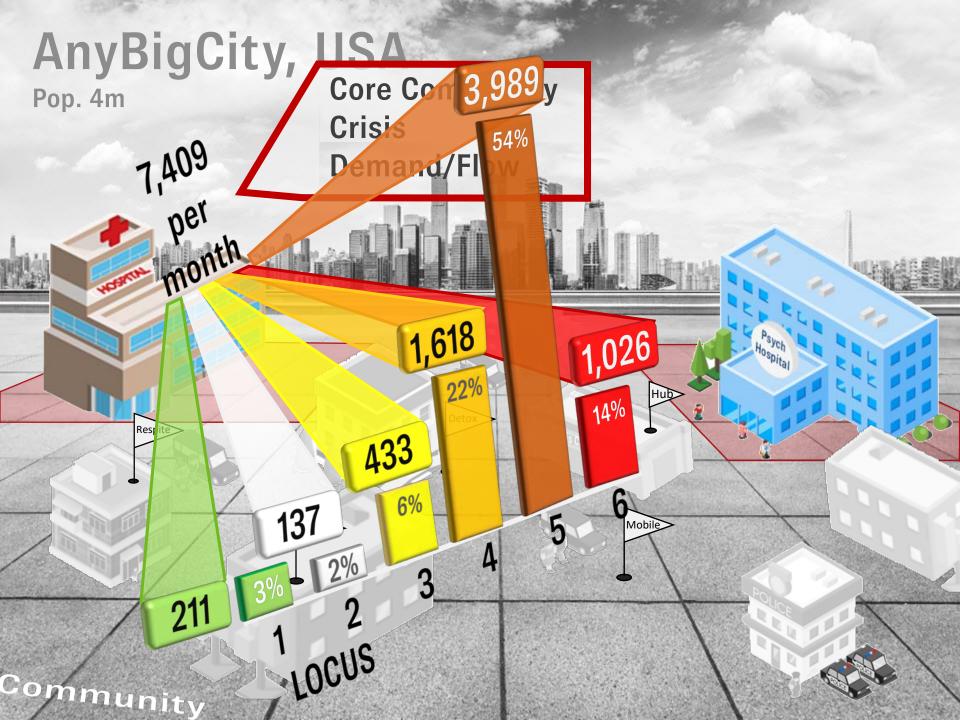
Pop. 4m

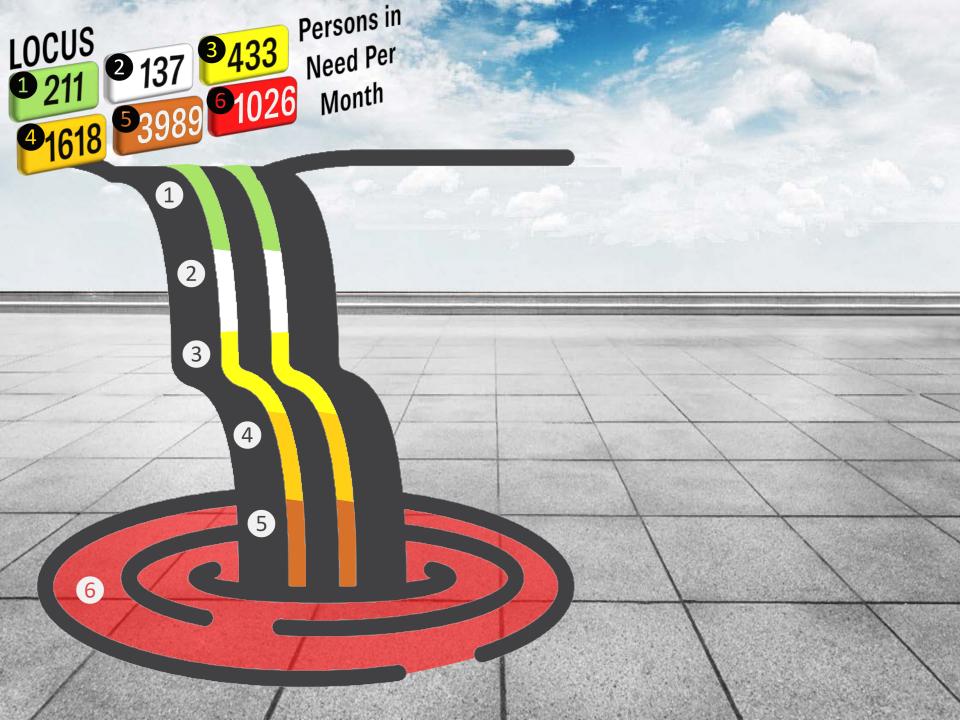
HORN

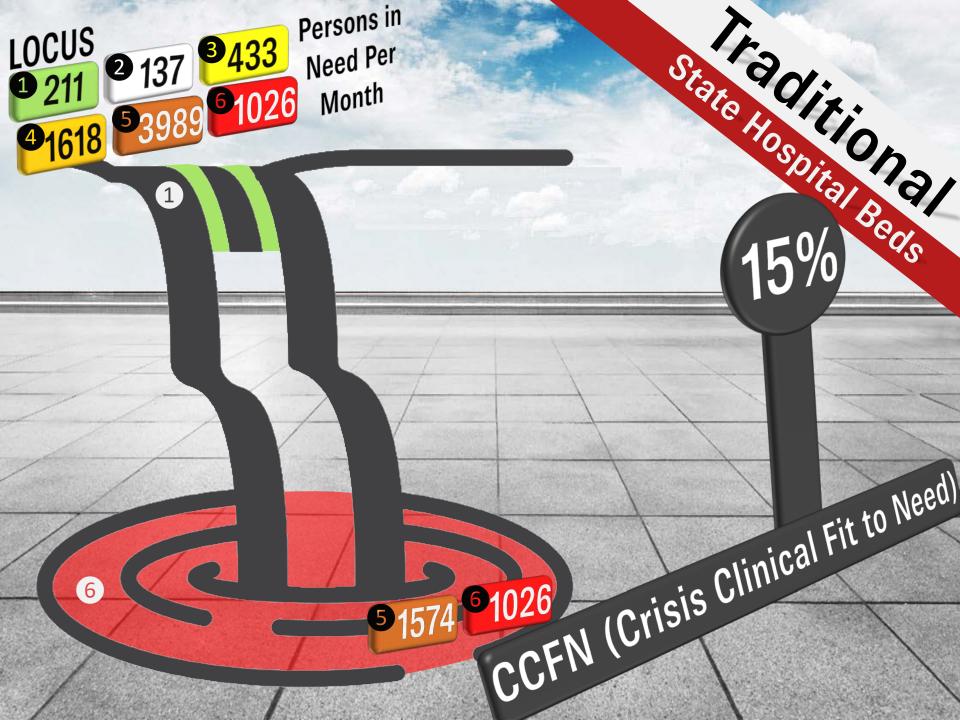
Respite

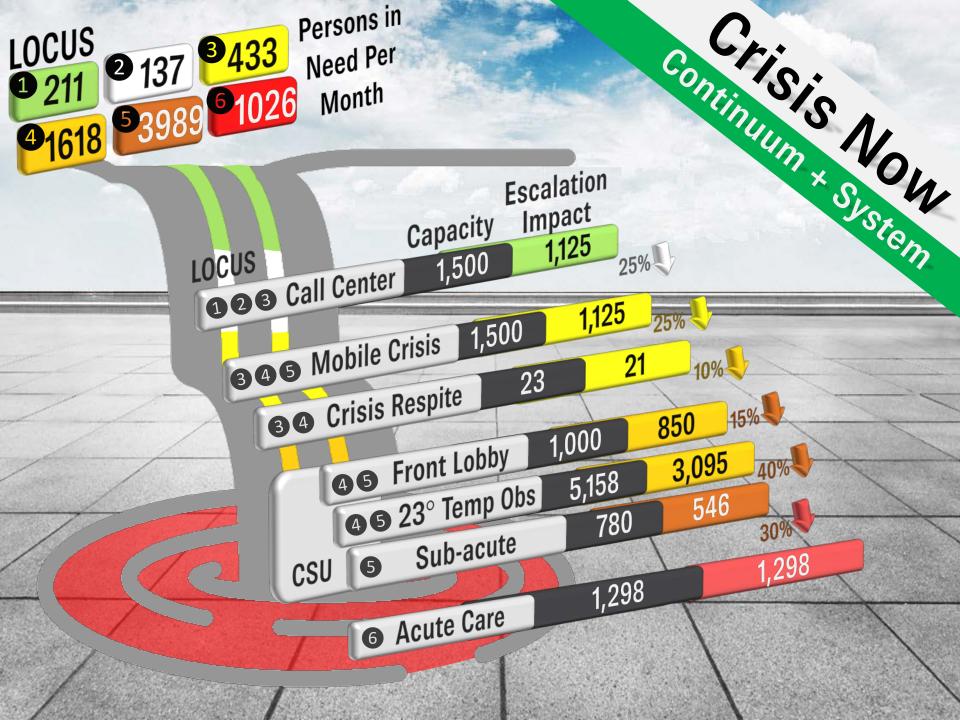
Anyeighty USA Pop. 400

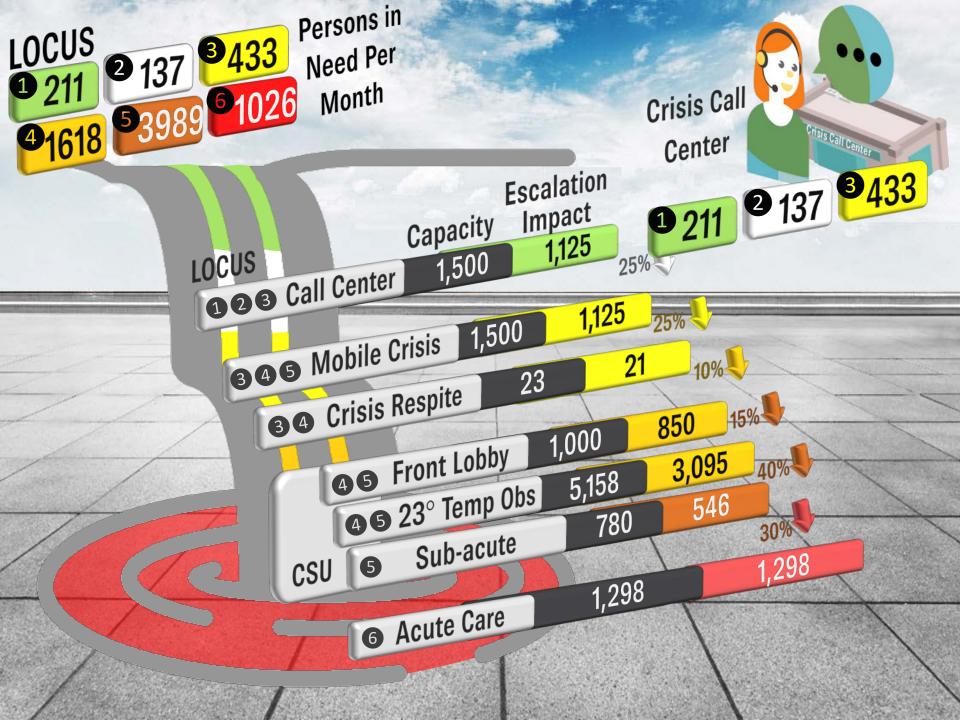


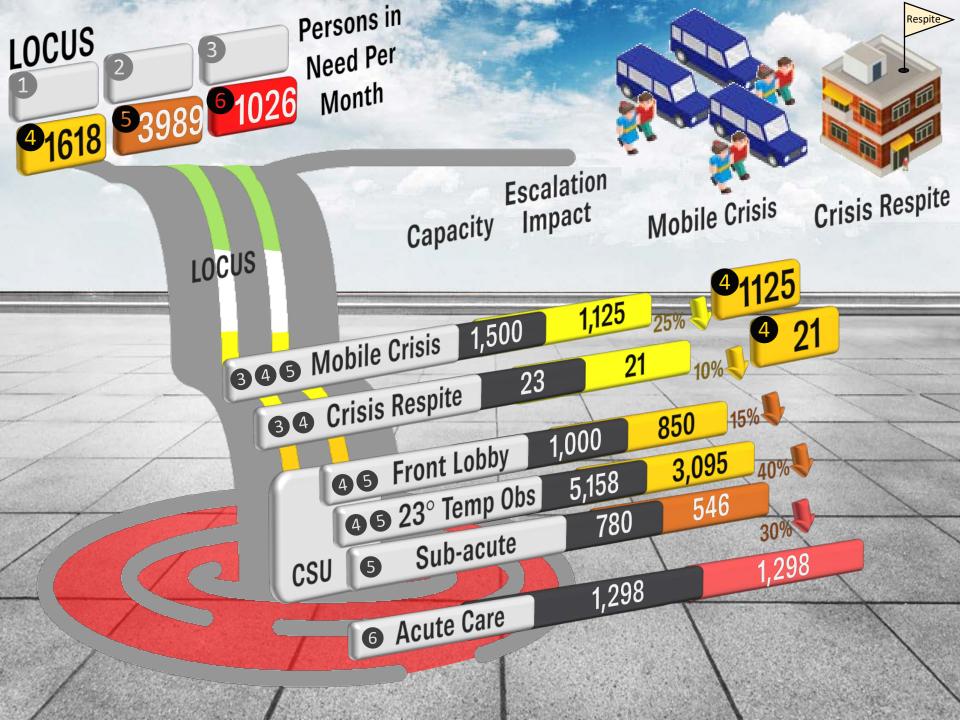


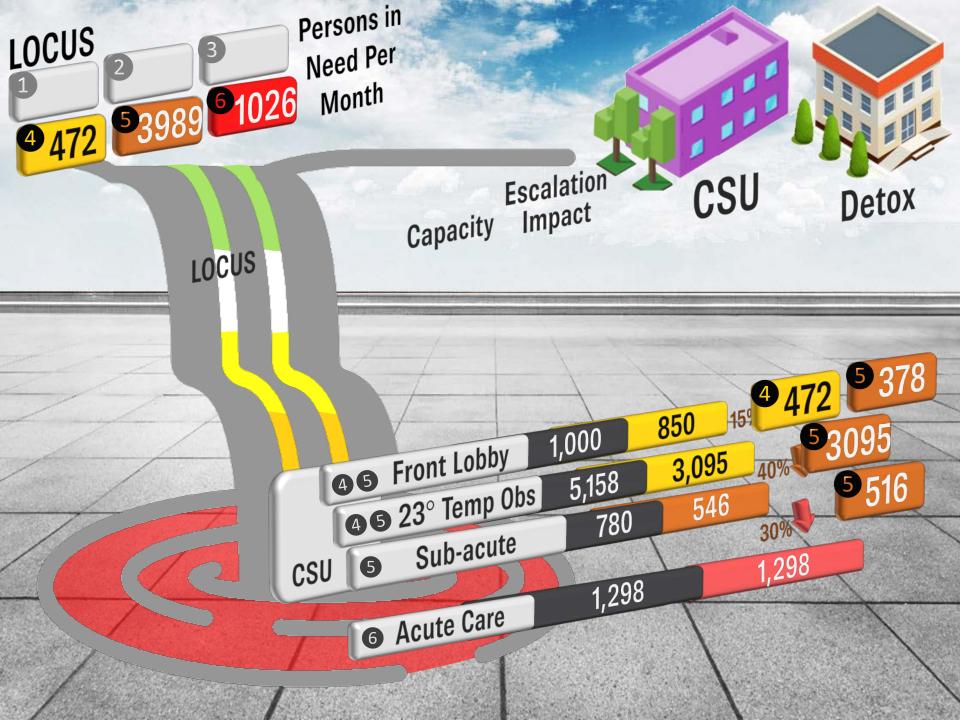


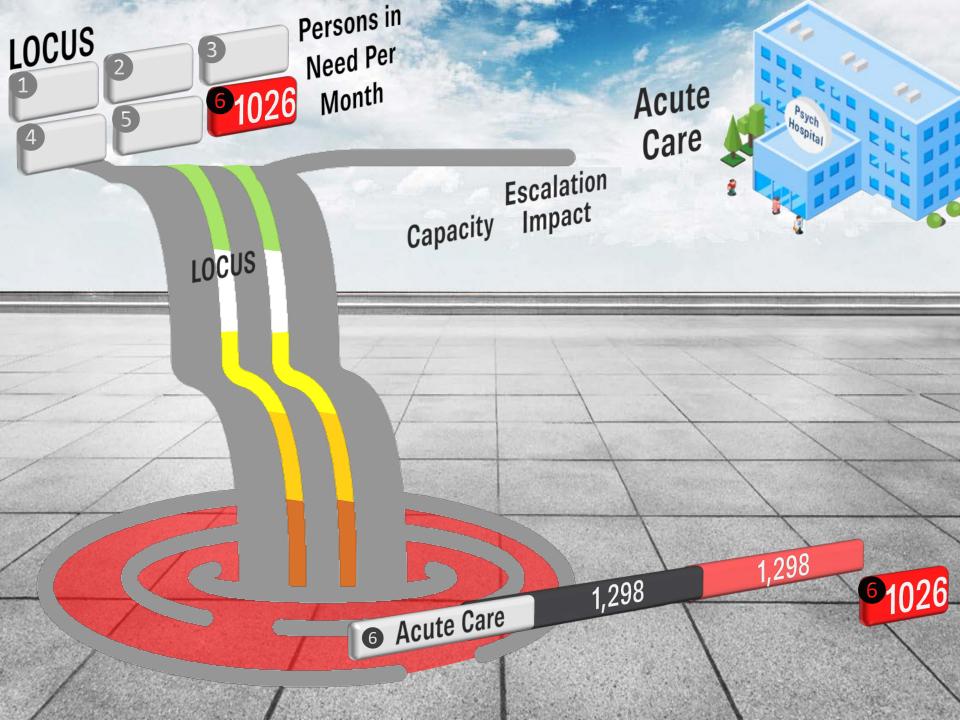


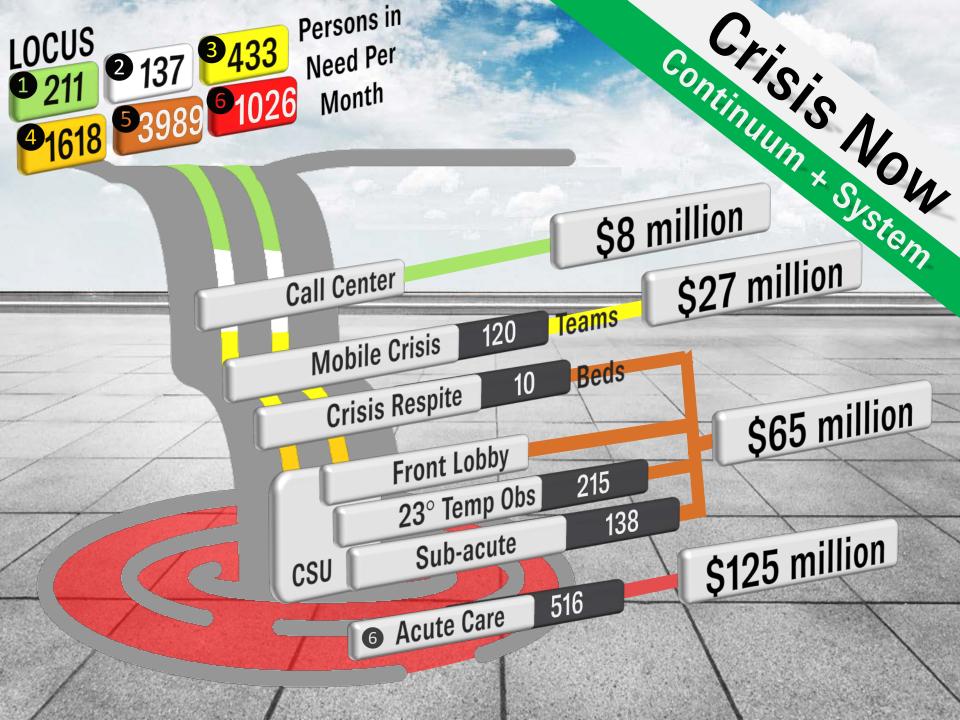


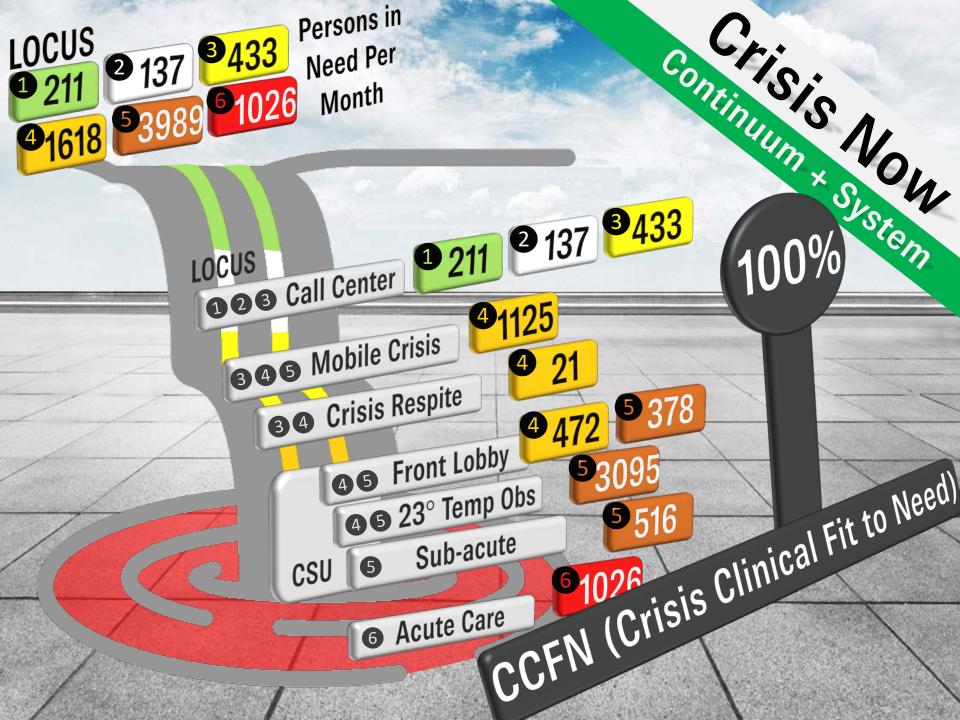


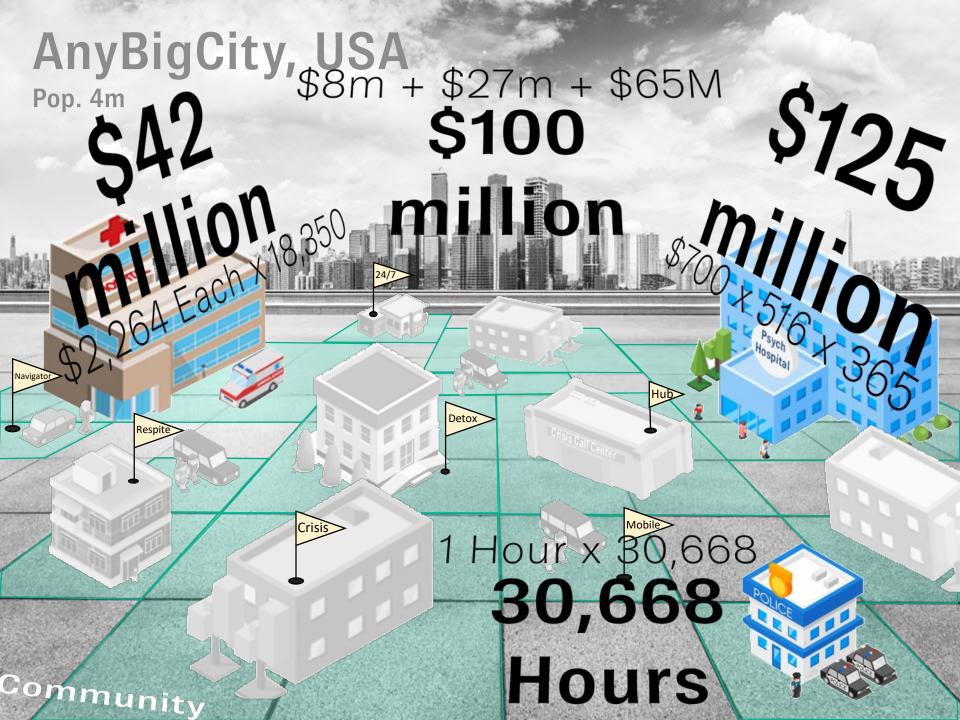




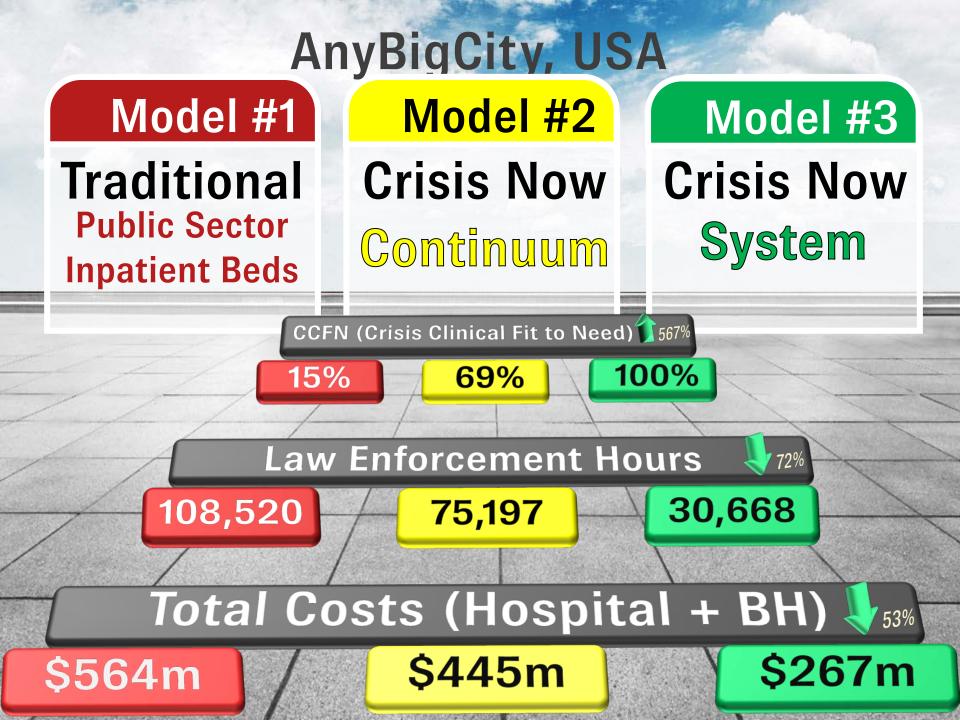








Outcomes Of Better Crisis Care



Model #1

Traditional Public Sector Inpatient Beds Pop. 4m

VS.

Model #3

Crisis Now System

CCFN (Crisis Clinical Fit to Need) 1567%

Everyone receives the right service.

Law Enforcement Hours

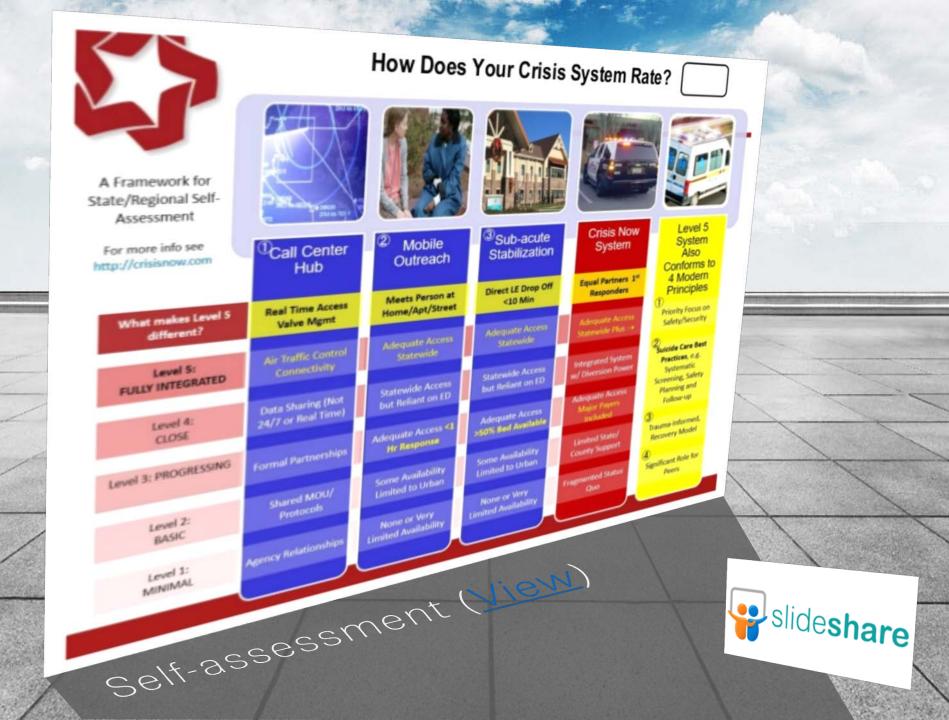


53%

Over 37 FTE Officers Freed Up

Total Costs (Hospital + BH) Nearly \$300 Million Savings











David W. Covington, LPC, MBA CEO & President, RI International

Crisis Now: Transforming Services

O&A

CRISIS HEALTH RECOVERY CONSULTING