

# Linking HMIS and DSHS Data to Track Outcomes and Experience

CONFERENCE ON ENDING HOMELESSNESS

Tacoma, Washington

MAY 16, 2013



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Washington State Department of Commerce

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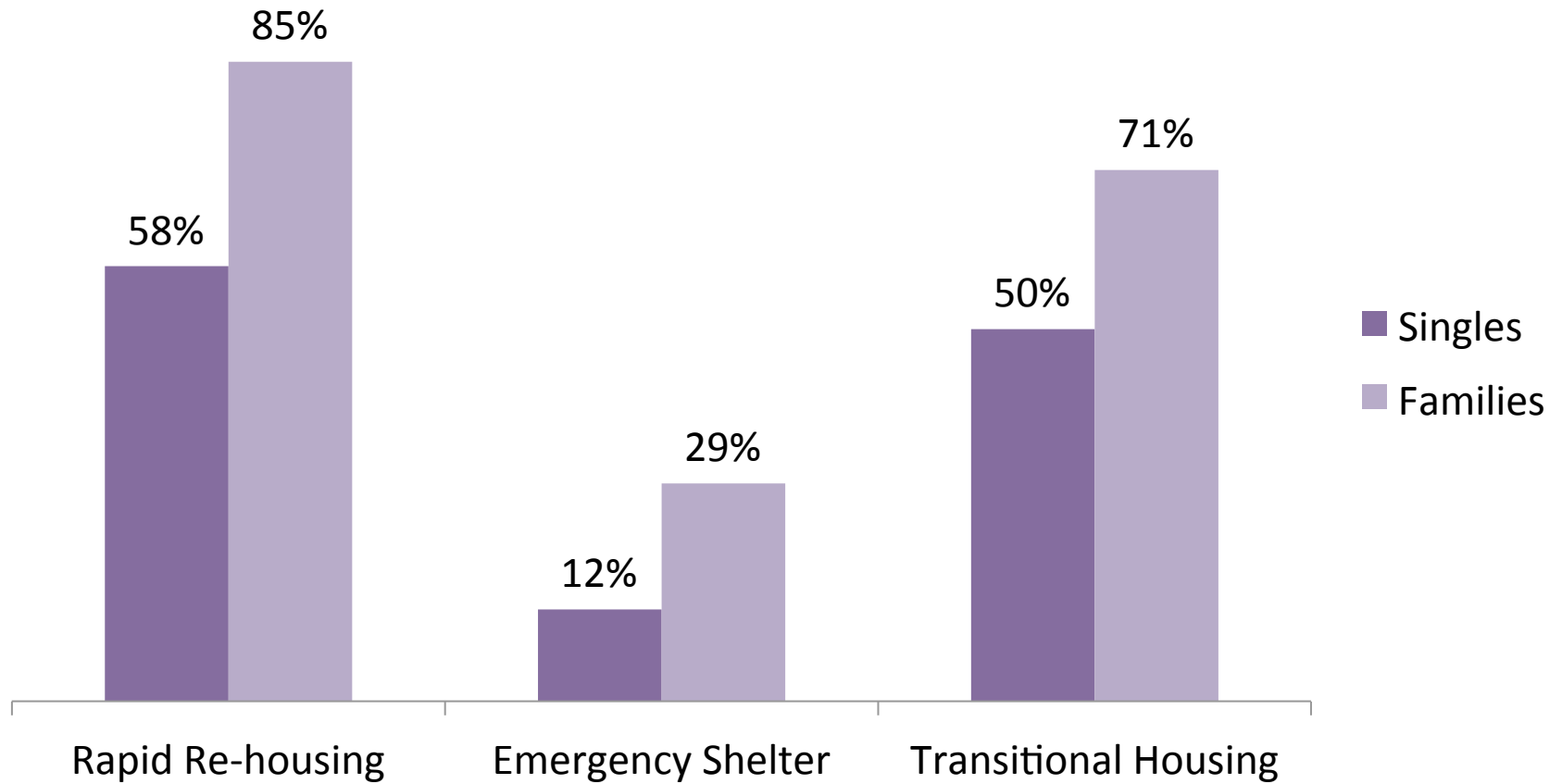
Washington Department of Social and Health Services



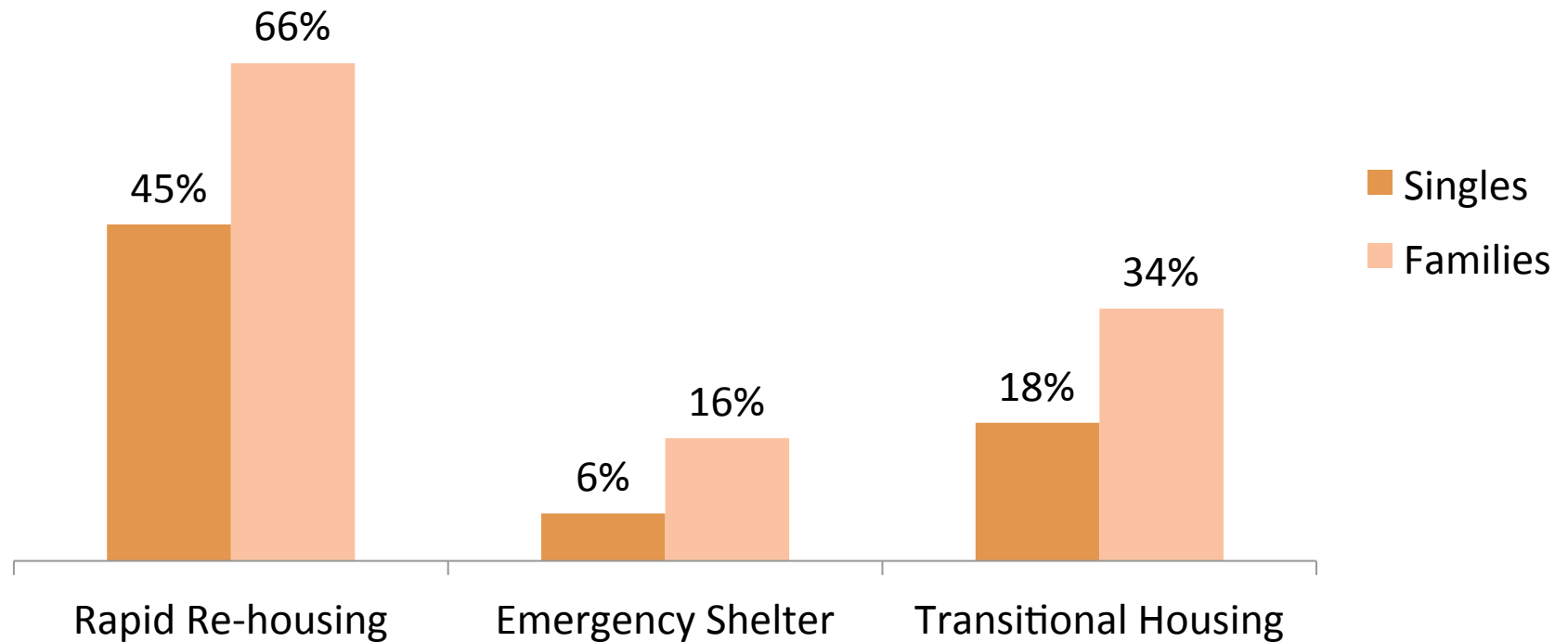
## Roadmap

1. Linking HMIS data to administrative data from over 30 other information systems
2. Identifying housing need and measuring housing assistance penetration
3. Evaluating the effectiveness of housing programs

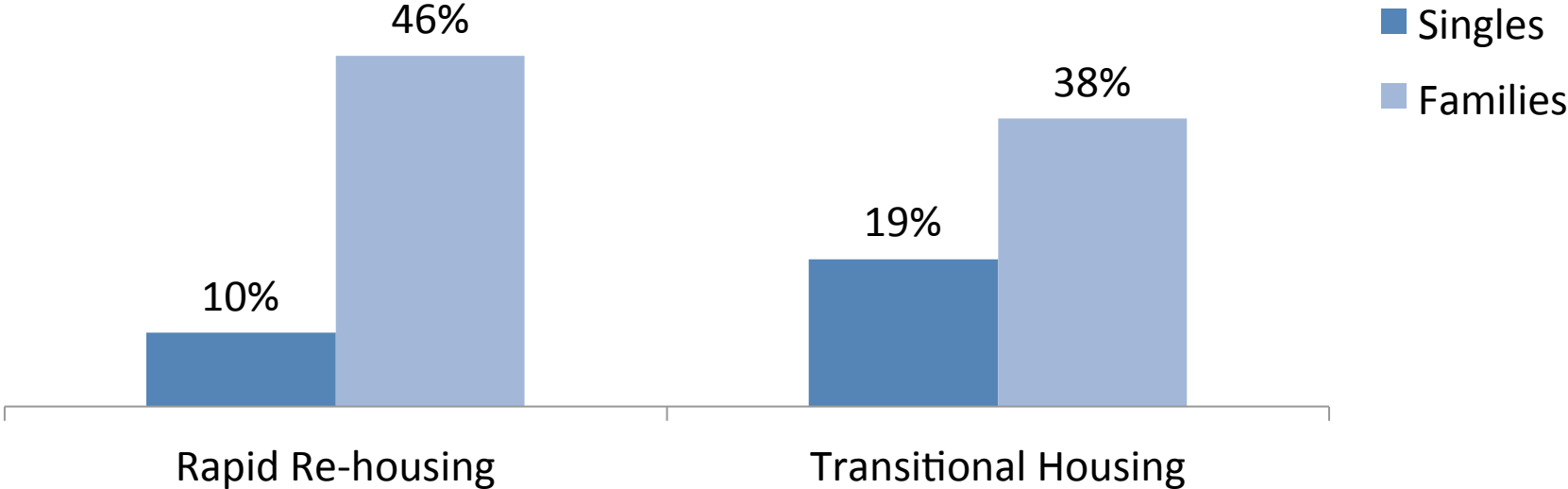
# Exits to Stably Housed



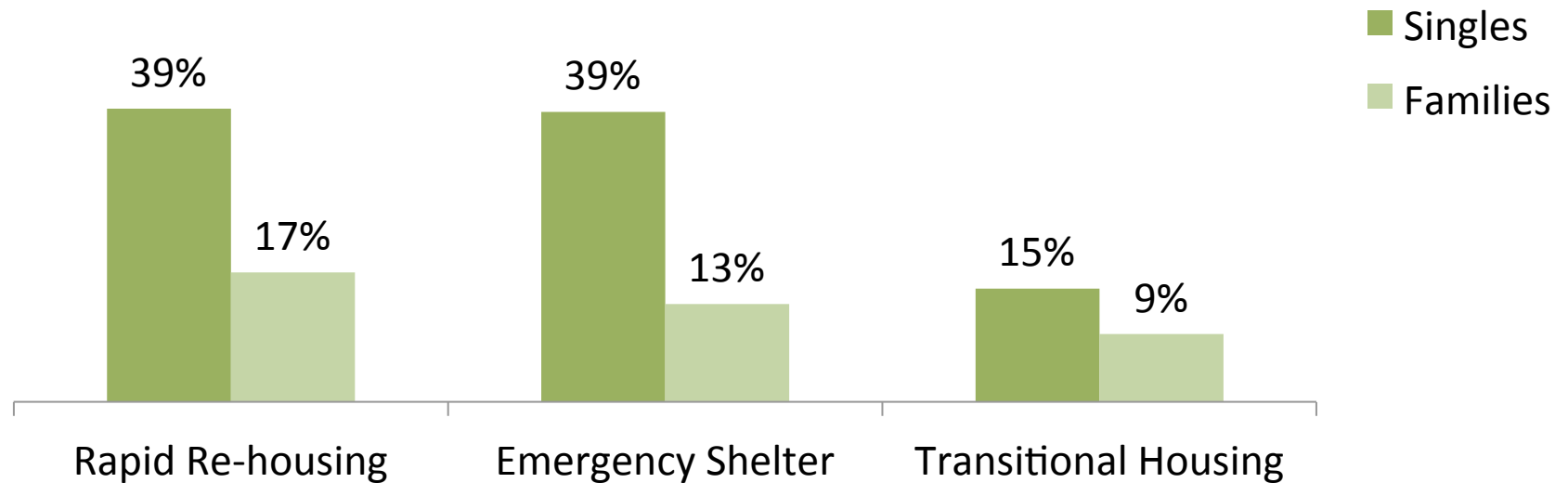
# Exits to Unsubsidized Stably Housed



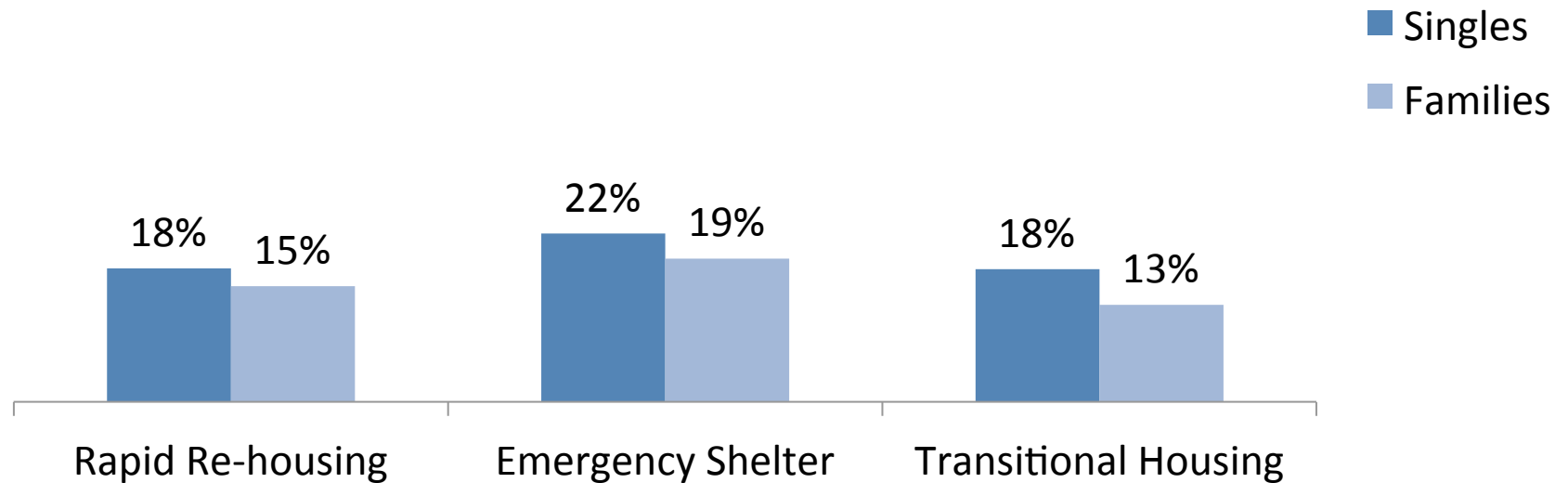
# Exits with Earned Income



# Started as Unsheltered or Institutionalized



# Returned to Homelessness





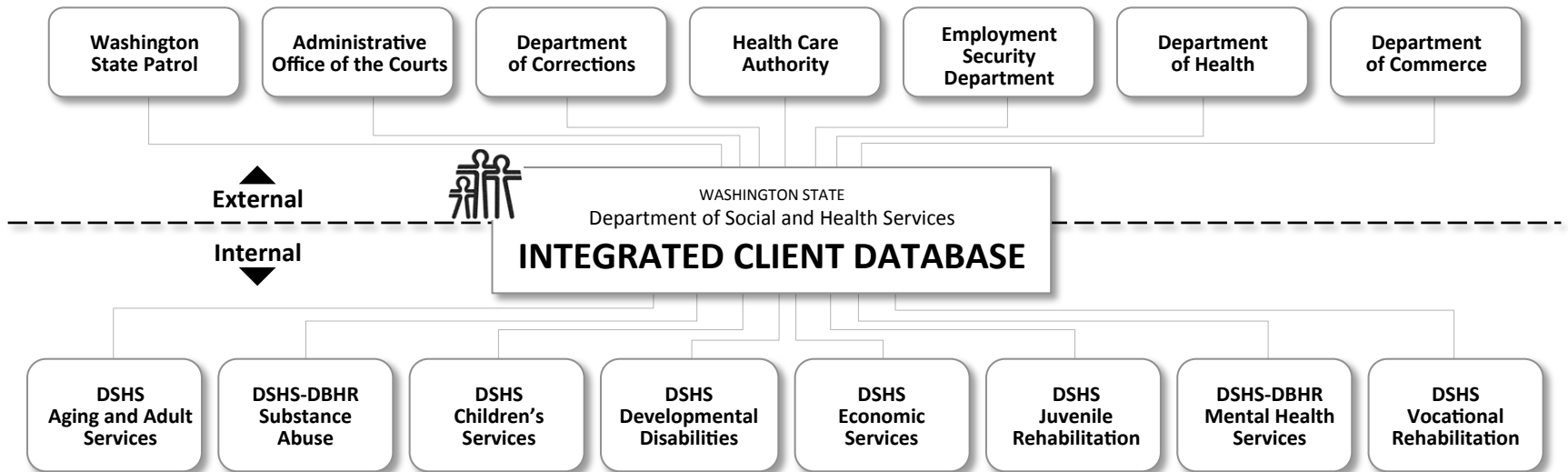
Home  
**LESS**

**PART 1**  
**Linking HMIS data to  
administrative data from over  
30 information systems**





# Our Data Partnership

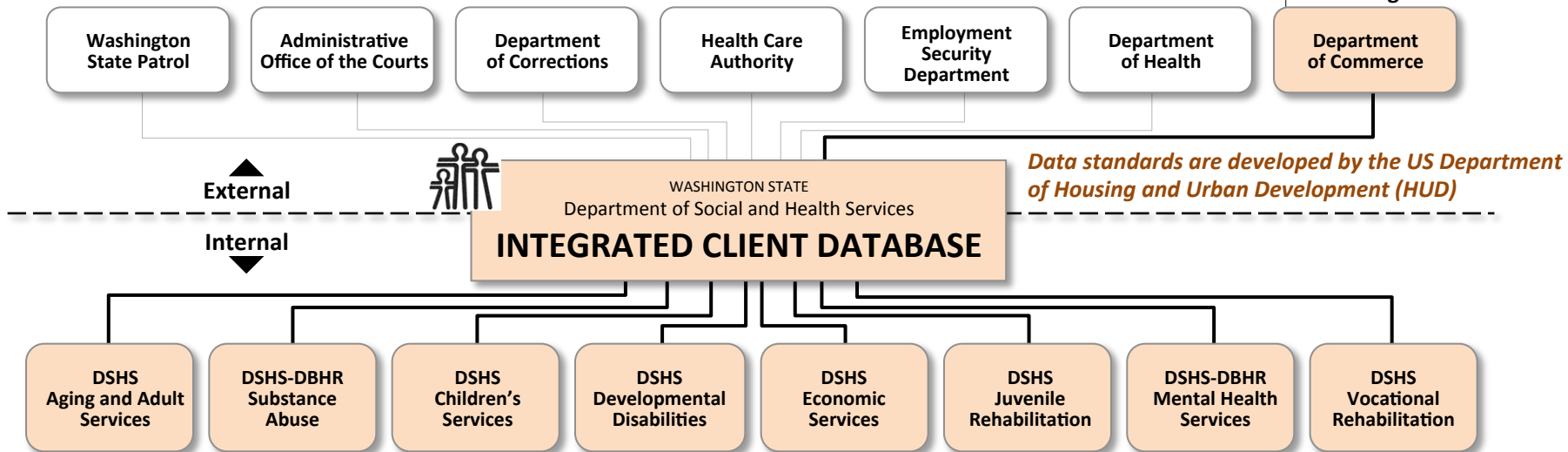


# Our Data Partnership

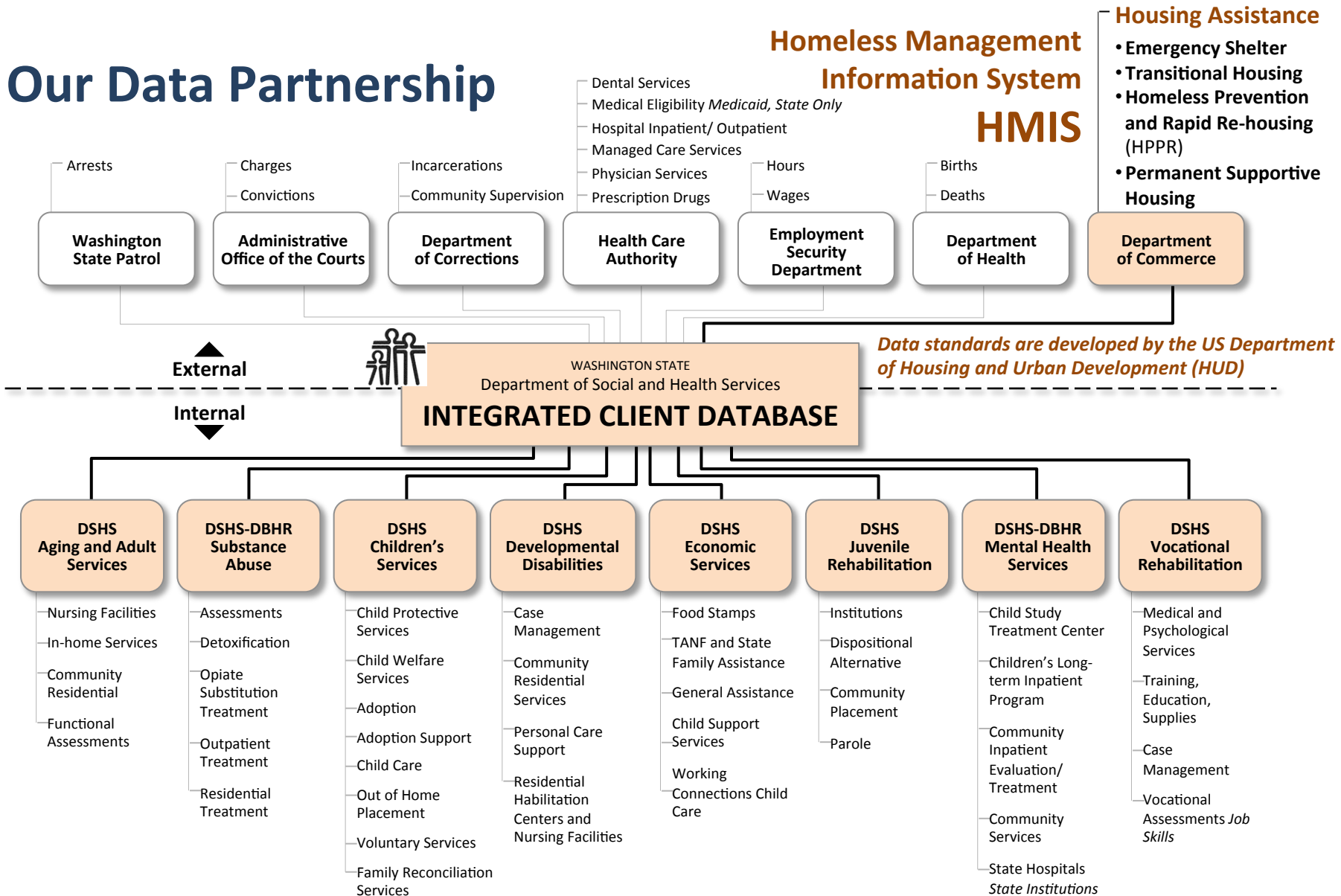
## Homeless Management Information System HMIS

### Housing Assistance

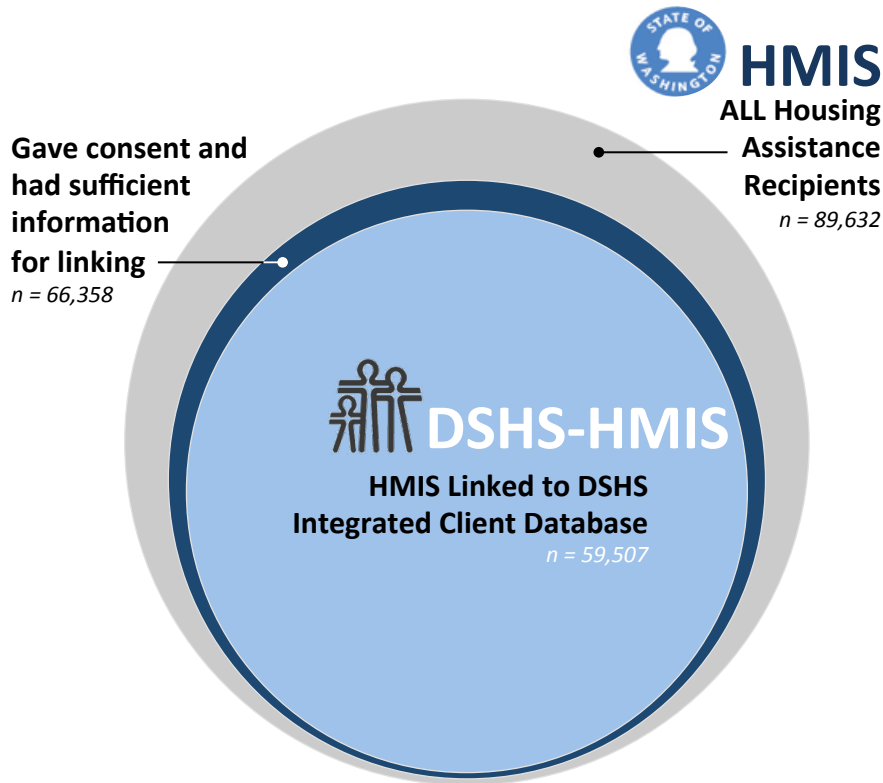
- Emergency Shelter
- Transitional Housing
- Homeless Prevention and Rapid Re-housing (HPPR)
- Permanent Supportive Housing



# Our Data Partnership



# HMIS Housing Program Clients with DSHS Service History SFY 2012



## The vast majority of housing clients in HMIS have been DSHS clients

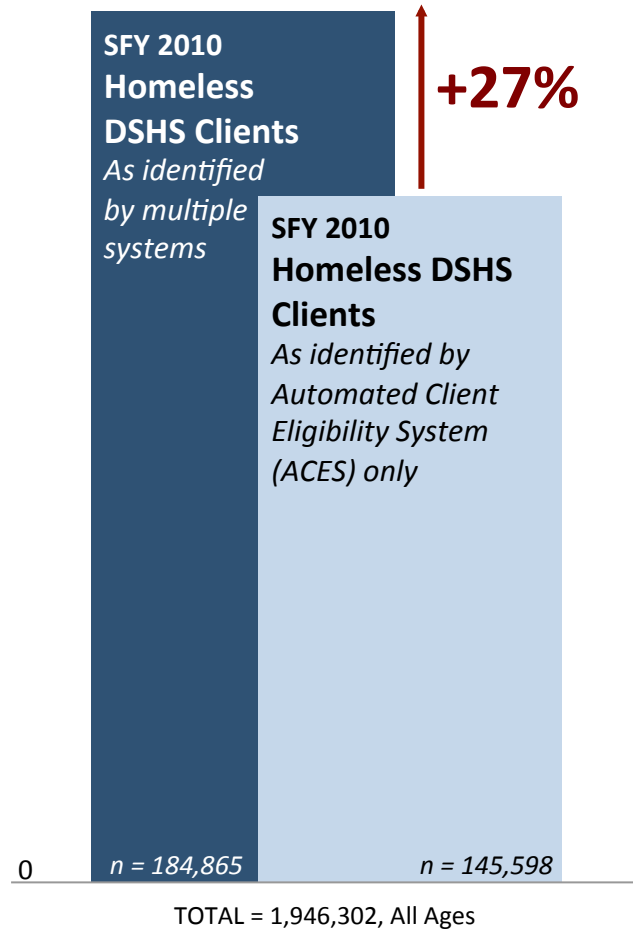
- In State Fiscal Year (SFY) 2012, **74 percent** of HMIS housing recipients gave consent and had sufficient information for linkage to DSHS records (66,358 of 89,632)
- **90 percent** of those who could possibly be linked were found in the DSHS Integrated Client Database (59,507 of 66,358)





**PART 2**  
**Identifying housing need and  
measuring housing assistance  
penetration**

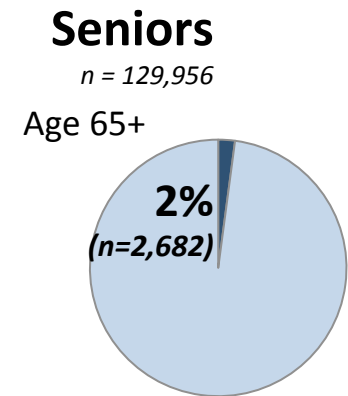
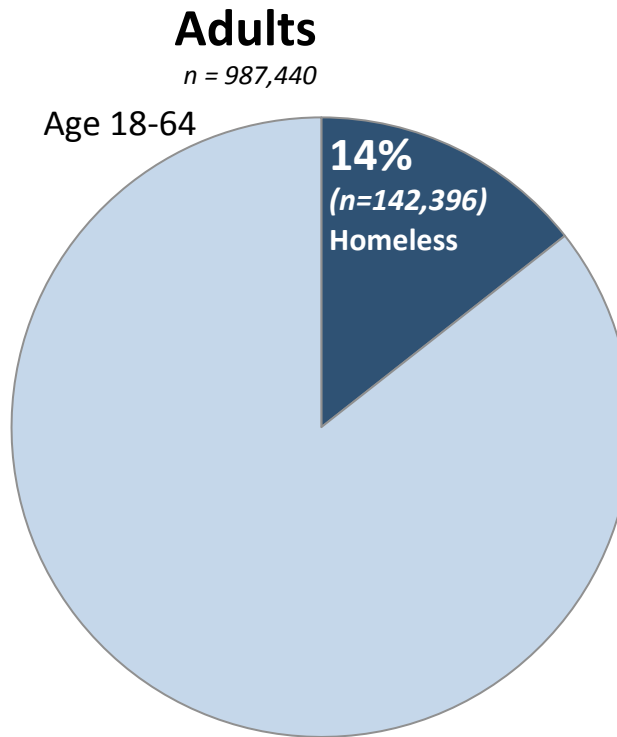
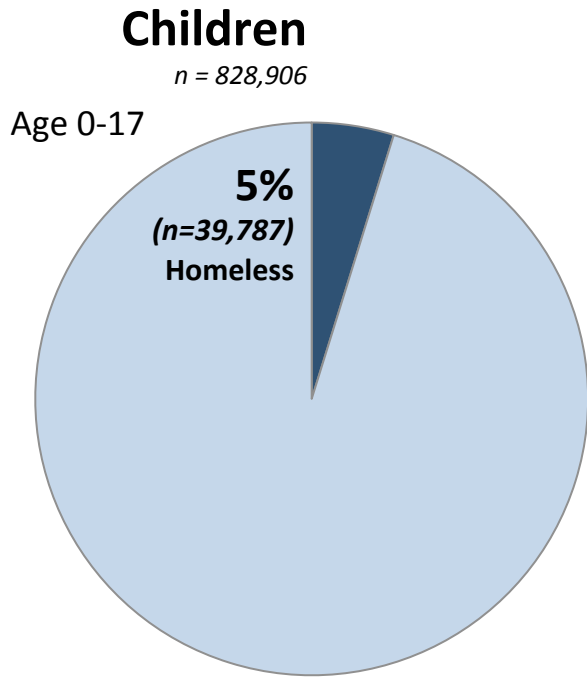
# Identifying homeless and unstably housed DSHS clients in multiple service systems



- **DSHS Economic Services Administration caseworkers record homelessness among public assistance clients in ACES**
- **By including information from four other information systems, we improve our ability to identify homelessness**
- ***However*, this measure is imperfect and each data source has its own limitations that can lead us to over or underestimate the number of homeless clients at any given point in time**



# Homeless and Unstably Housed DSHS Clients by Age Group



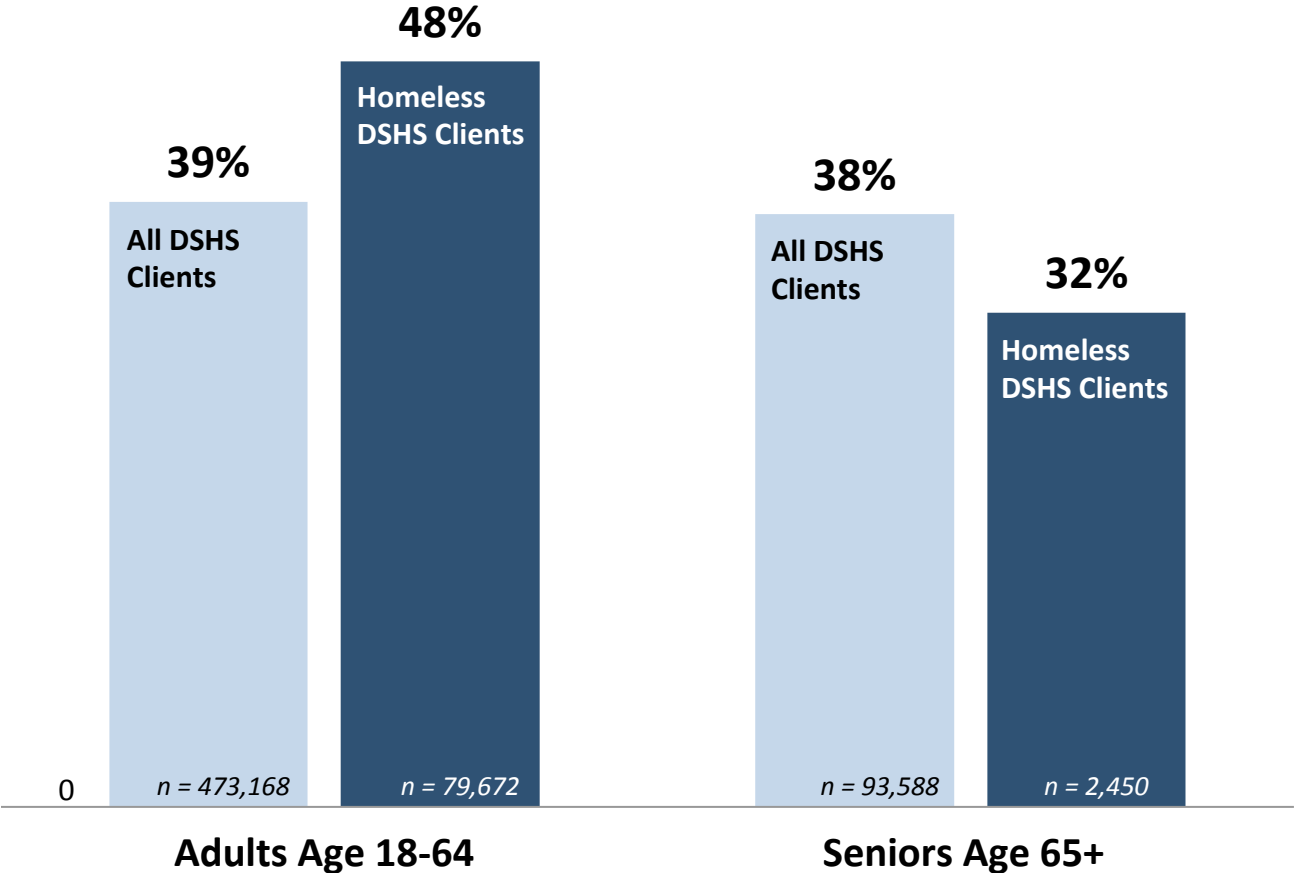
**TOTAL CLIENTS = 1,946,302 (All Ages)**



# Homeless working-age adult clients more likely to have mental health problems

## Mental Health Service Need

All SFY 2010 DSHS Clients Compared to Homeless DSHS Clients, by Age Group



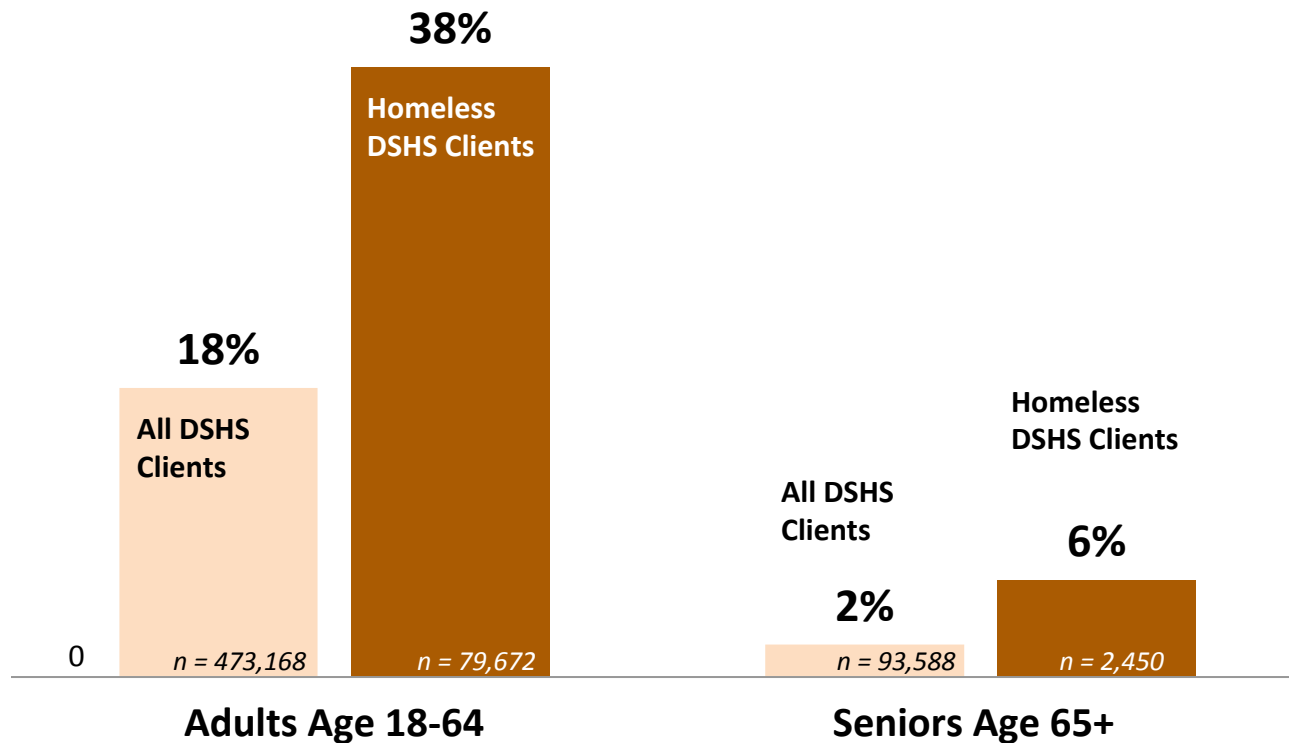
SOURCE: Identifying Homeless and Unstably Housed DSHS Clients in Multiple Service Systems, DSHS Research and Data Analysis April 2012, <http://publications.rda.dshs.wa.gov/1457/>



# Homeless DSHS clients more likely to have alcohol or other drug (AOD) treatment need

## Alcohol or Other Drug Treatment Need

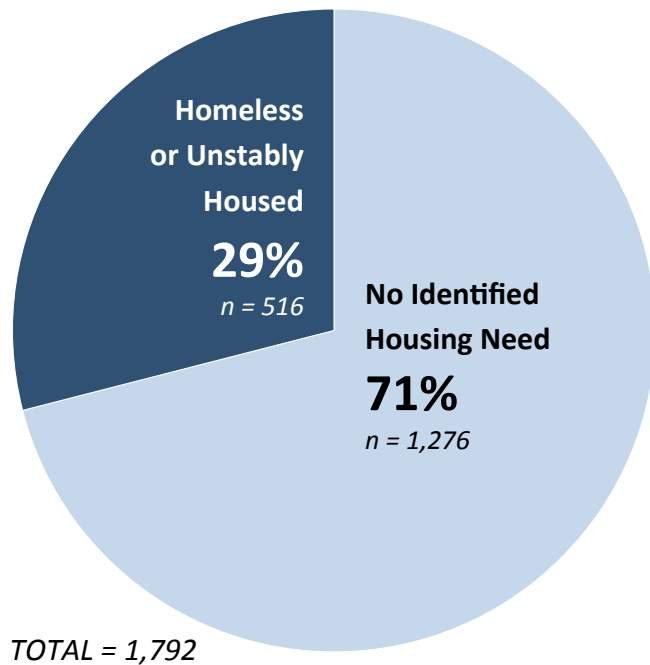
All SFY 2010 DSHS Clients Compared to Homeless DSHS Clients, by Age Group



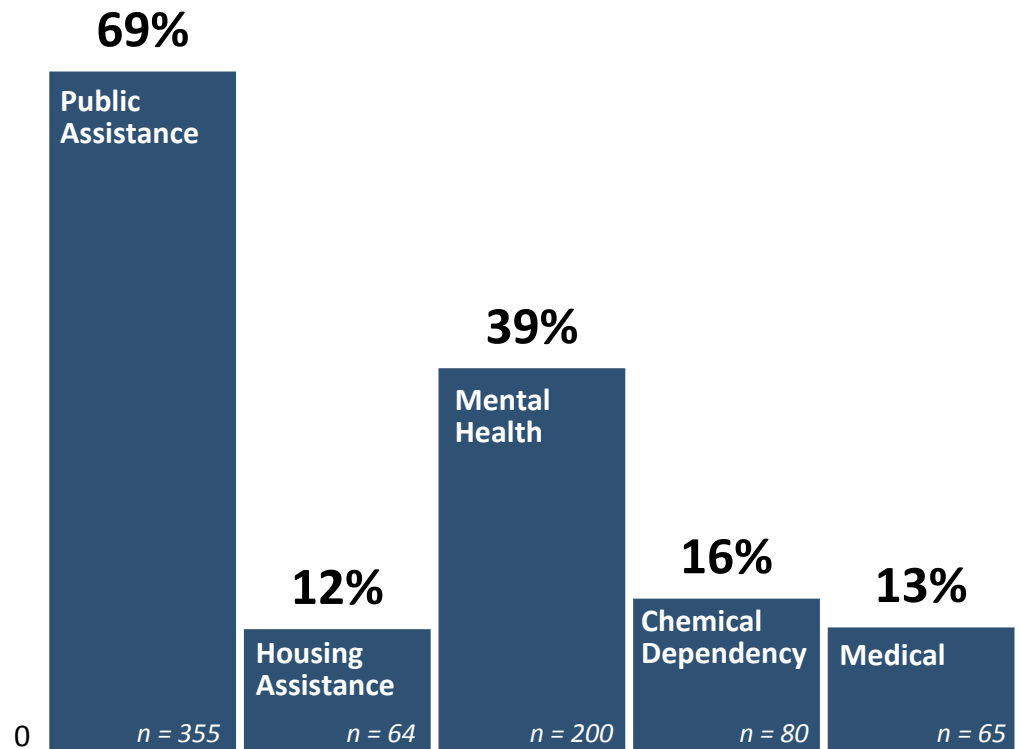
SOURCE: Identifying Homeless and Unstably Housed DSHS Clients in Multiple Service Systems, DSHS Research and Data Analysis April 2012, <http://publications.rda.dshs.wa.gov/1457/>

# About 30 percent of state mental hospital residents have a housing need in the year after discharge

## Housing Status in 12-Month Follow-up Period



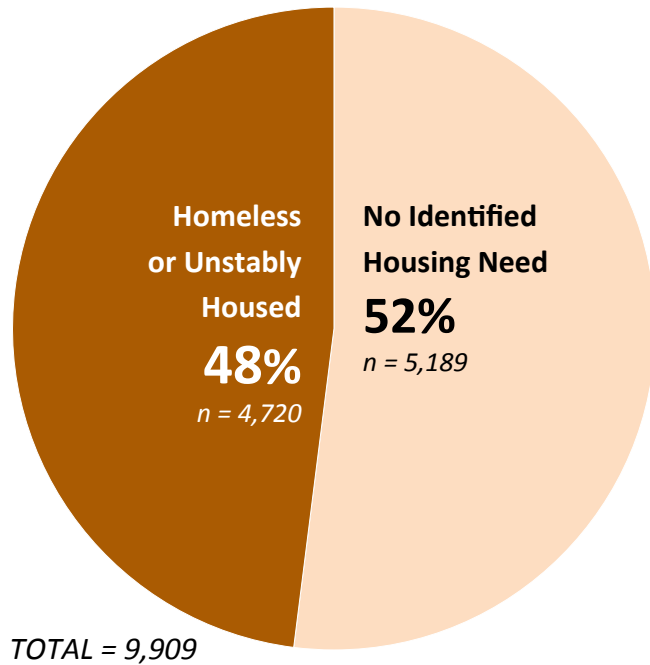
## Systems in which Housing Need is Identified Among Leavers with Housing Need (n = 516)



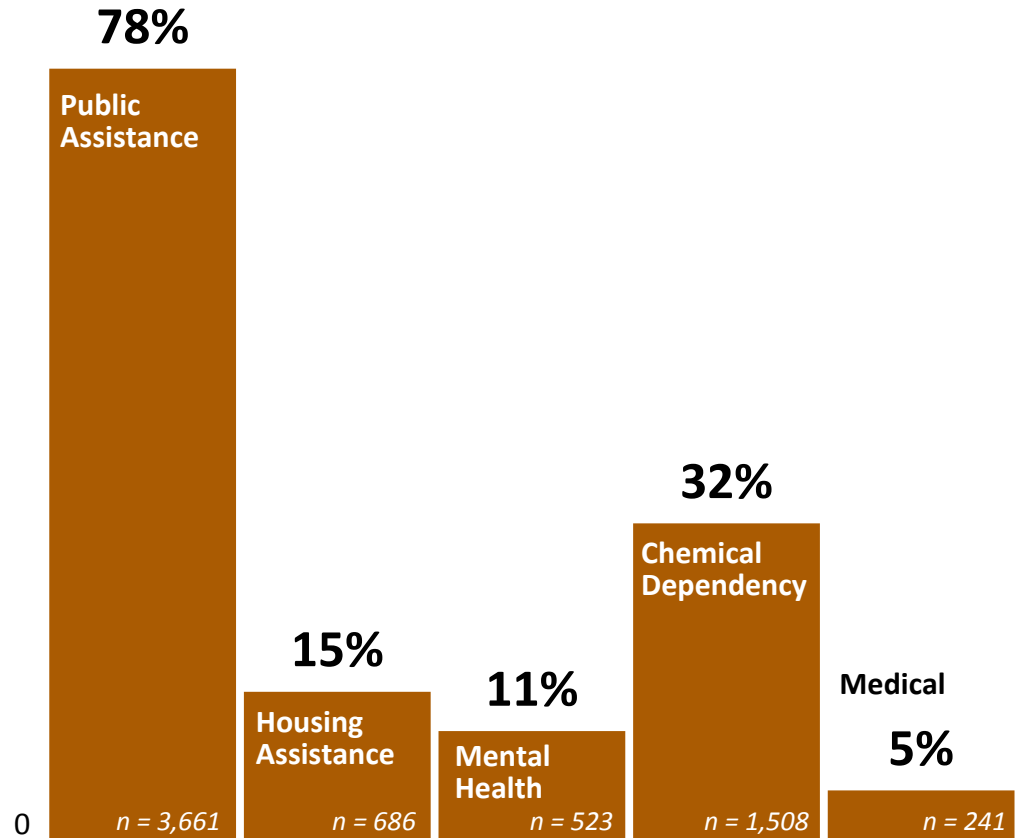
SOURCE: *The Housing Status of Individuals Discharged from Behavioral Health Treatment Facilities*, DSHS Research and Data Analysis, July 2012, <http://publications.rda.dshs.wa.gov/1460/>

# Almost half of residential CD treatment clients have a housing need in the year after discharge

**Housing Status in 12-Month Follow-up Period**

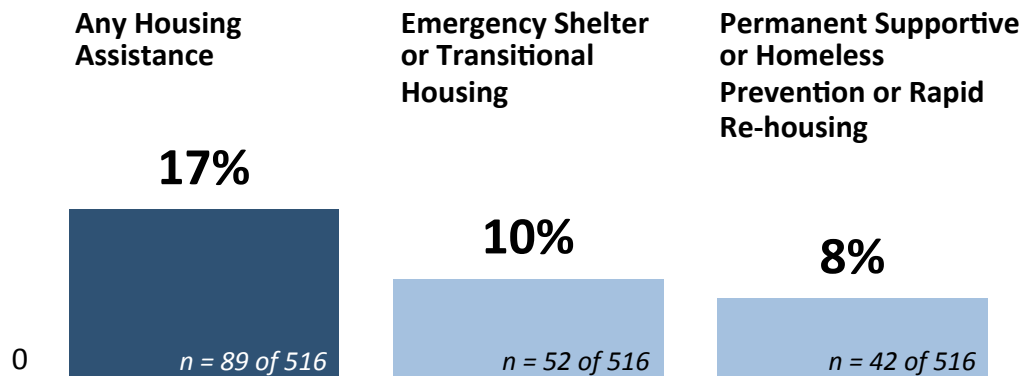


**Systems in which Housing Need is Identified Among Leavers with Housing Need** (n = 4,720)



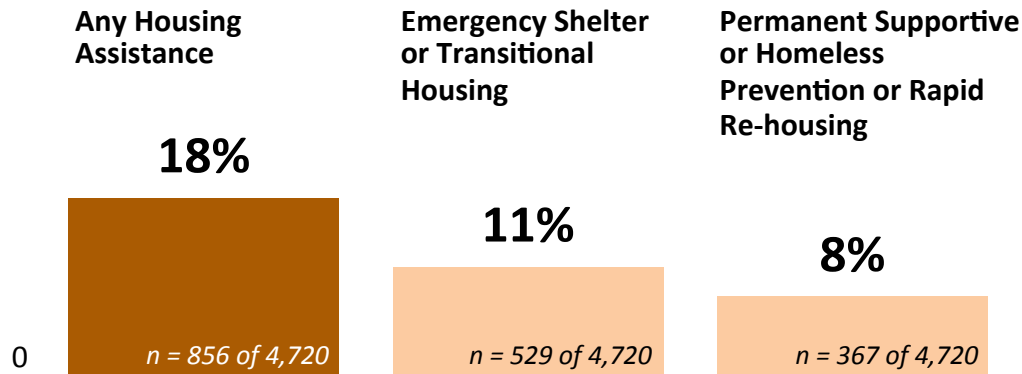
# Only 17 percent of state mental hospital leavers with a housing need received housing assistance in HMIS

## HMIS-Recorded Housing Assistance Penetration Rates *Among Leavers with Housing Need* (n = 516)



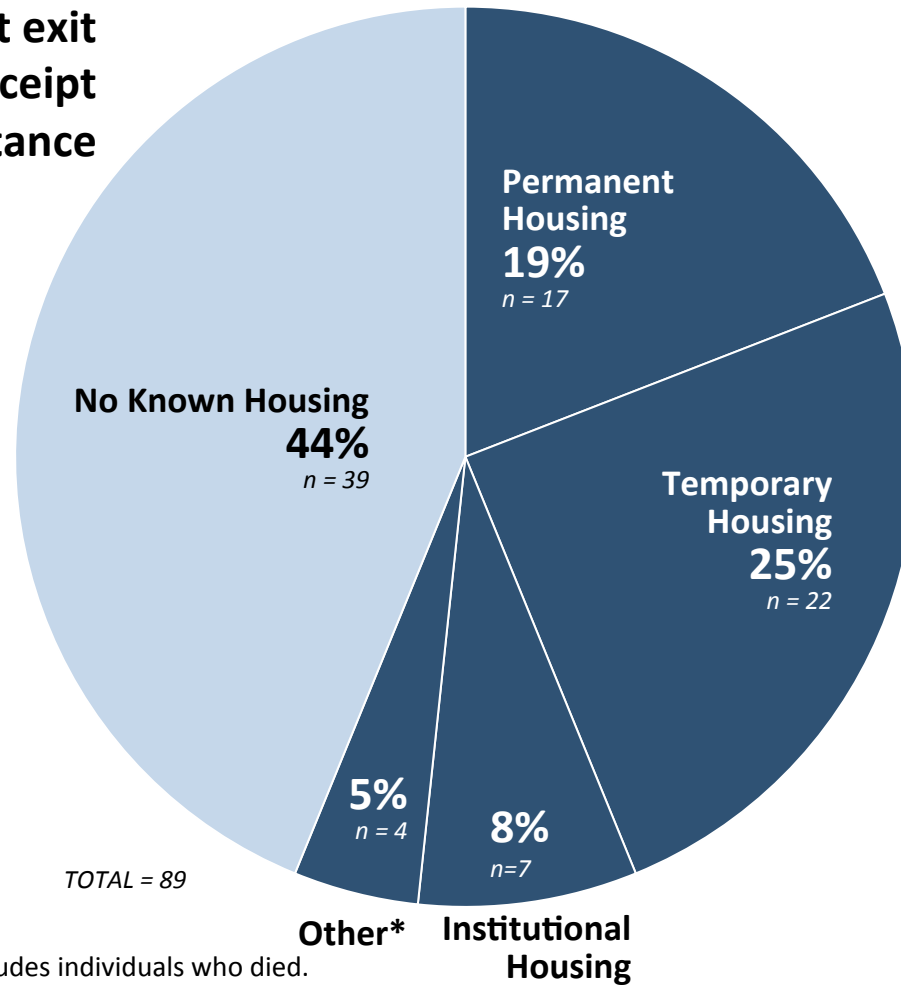
# Only 18 percent of residential CD treatment leavers with a housing need received housing assistance in HMIS

## HMIS-Recorded Housing Assistance Penetration Rates Among Leavers with Housing Need *(n = 4,720)*



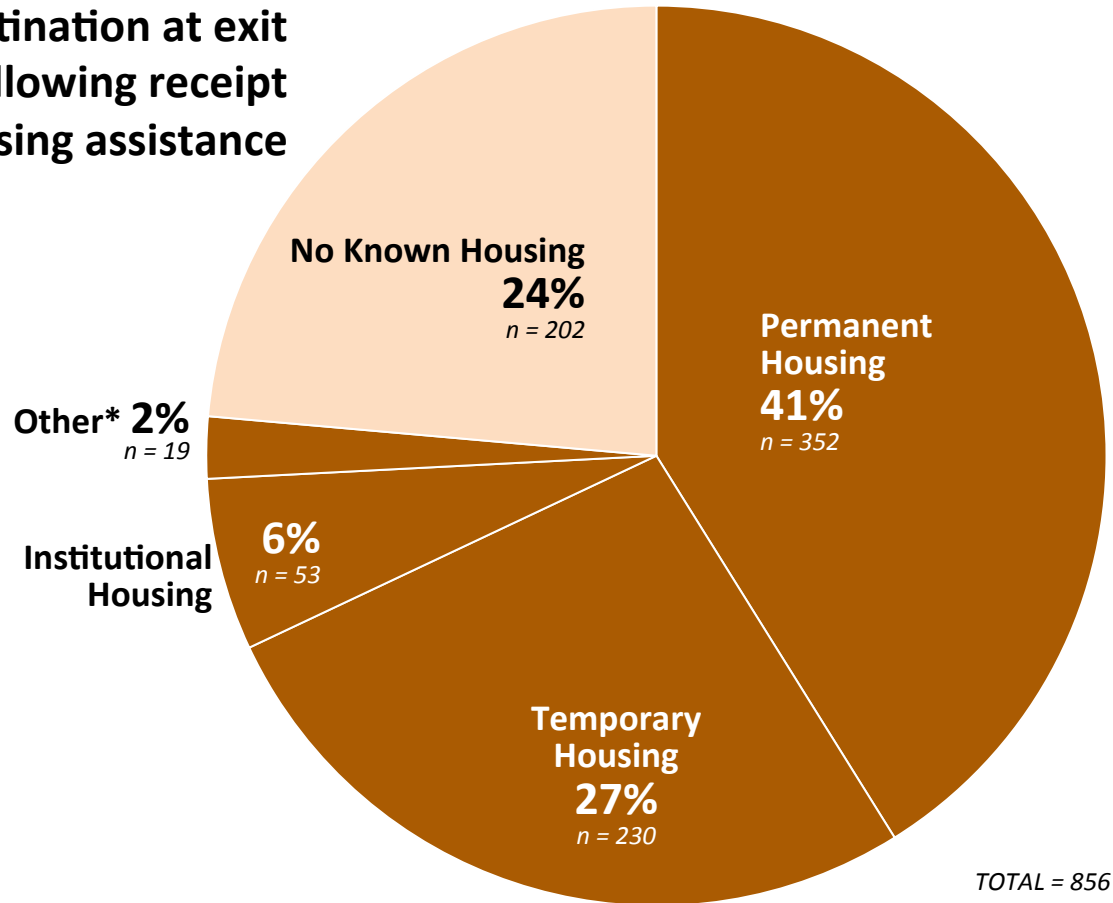
# Many state hospital leavers who receive housing assistance exit to unknown destinations

Destination at exit following receipt of housing assistance



# Most residential CD treatment leavers who receive housing assistance exit to permanent or temporary housing

Destination at exit following receipt of housing assistance



\*Other category includes individuals who died.

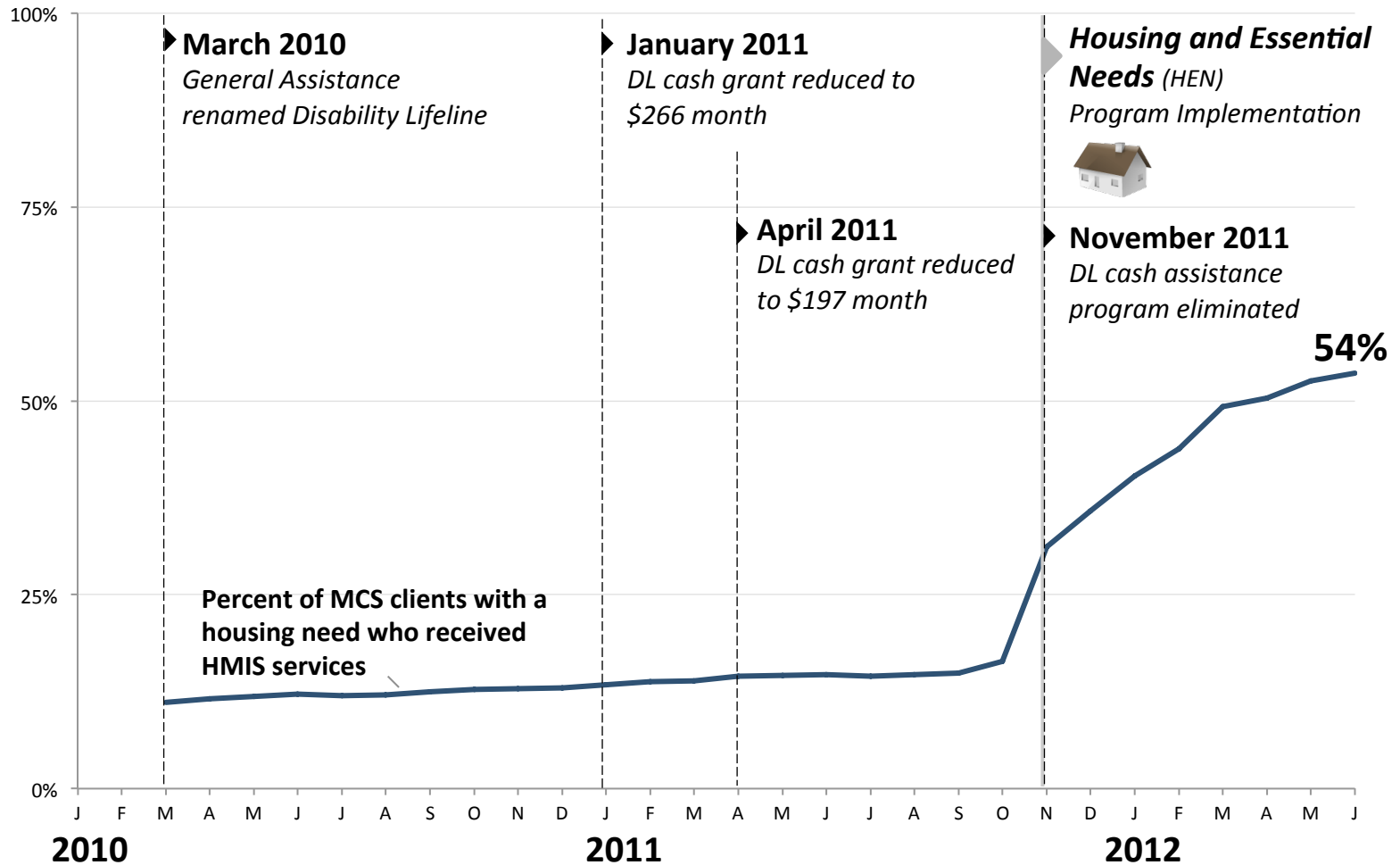




**PART 4**  
**Evaluating the impact of  
housing assistance on  
measures of well-being**



# HMIS-recorded housing assistance among those with housing need (6-month look-back), January 2010 to June 2012



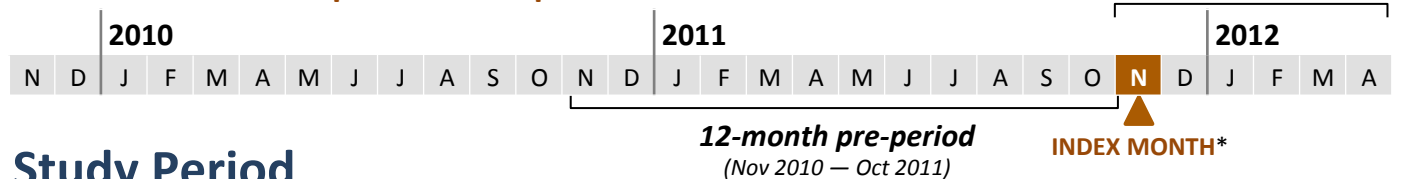
SOURCE: Washington State's Housing and Essential Needs Program, DSHS Research and Data Analysis, January 2013, <http://publications.rda.dshs.wa.gov/1476/>



# Housing and Essential Needs (HEN) Evaluation Study Design

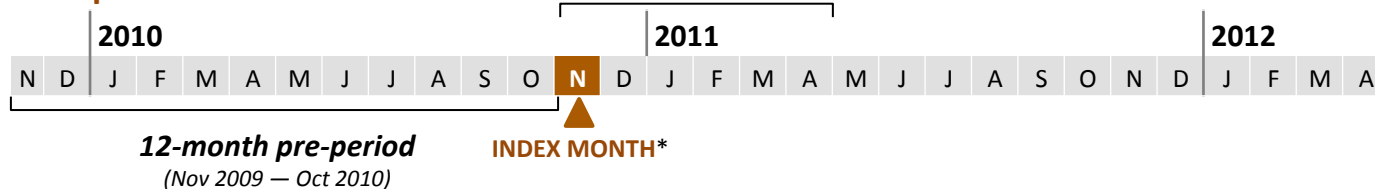
- **“Index month” defined as first month of HEN receipt** (treatment group) or a randomly assigned month (comparison group sampling frame)
- **Statistical technique used to create two comparison groups** (concurrent and retrospective) who were well-matched with HEN group on key measures over a 12-month pre-period
- **Several outcomes observed over a six-month follow-up period:** housing status, receipt of food assistance, health service utilization, mortality, and criminal justice involvement

## Housing and Essential Needs “Treatment” Group and Concurrent Comparison Group



## Study Period

### Retrospective Comparison Group



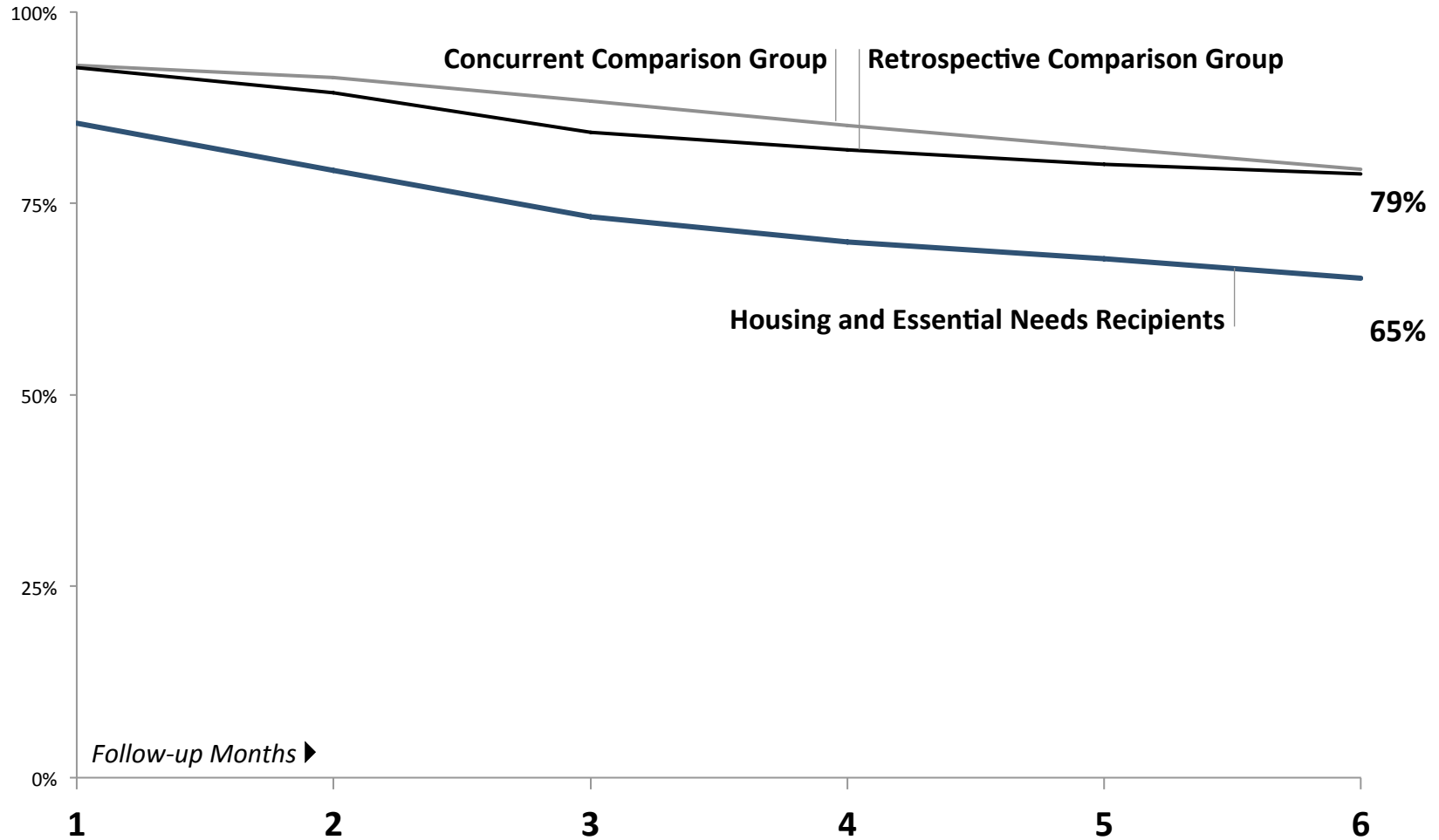
\*This timeline shows an example for individuals who had a November index month. Individuals could have index months in October, November, December, or January. The follow-up period would end in June 2012 for someone with a January 2012 index month.

SOURCE: Washington State’s Housing and Essential Needs Program, DSHS Research and Data Analysis, January 2013, <http://publications.rda.dshs.wa.gov/1476/>



# Impact of HEN Program on Housing Status

HEN recipients significantly less likely to experience housing instability

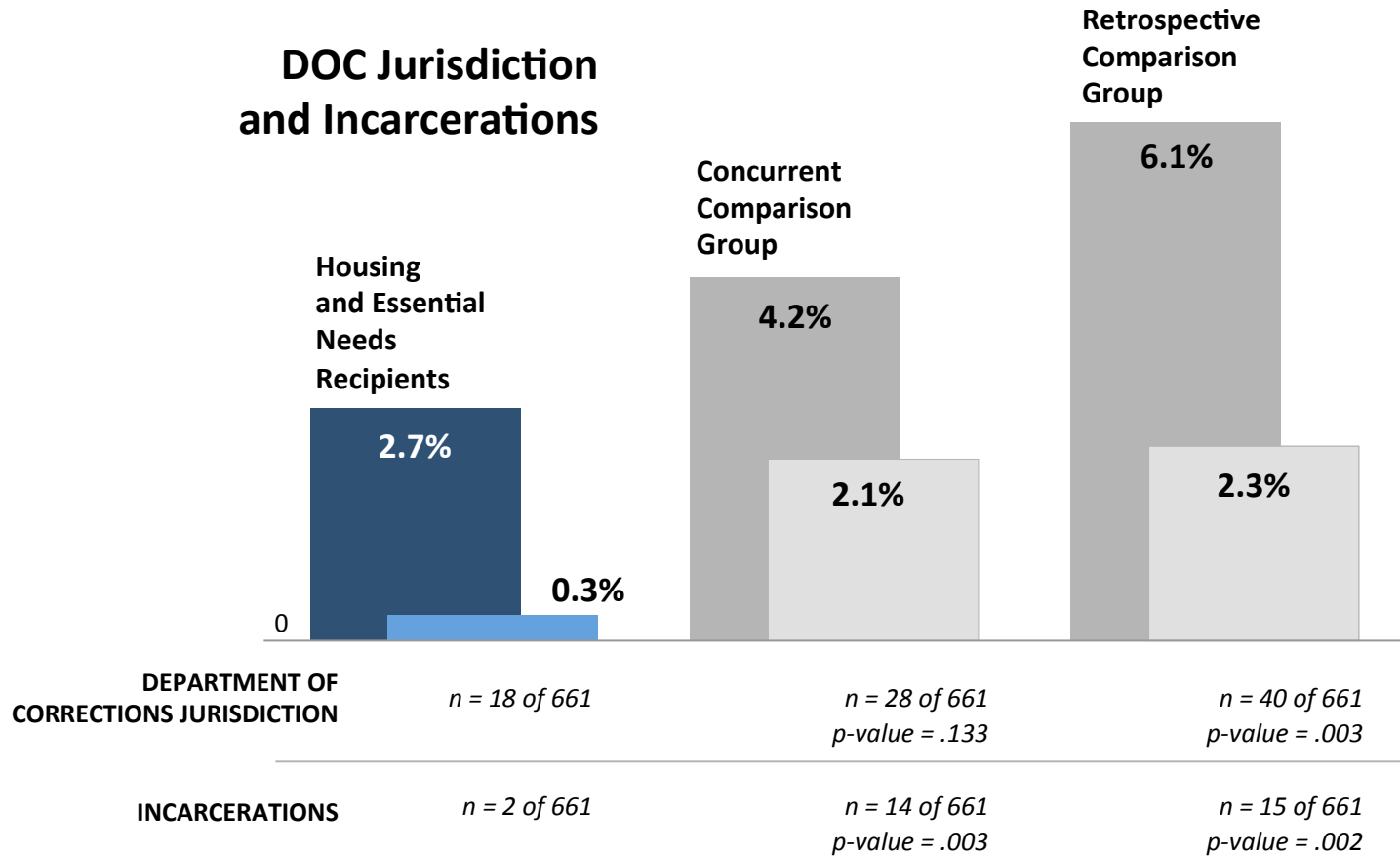


SOURCE: Washington State's Housing and Essential Needs Program, DSHS Research and Data Analysis, January 2013, <http://publications.rda.dshs.wa.gov/1476/>



# Impact of HEN Program on Involvement with the State Department of Corrections (DOC)

HEN recipients less likely to be incarcerated or under DOC jurisdiction in follow-up period

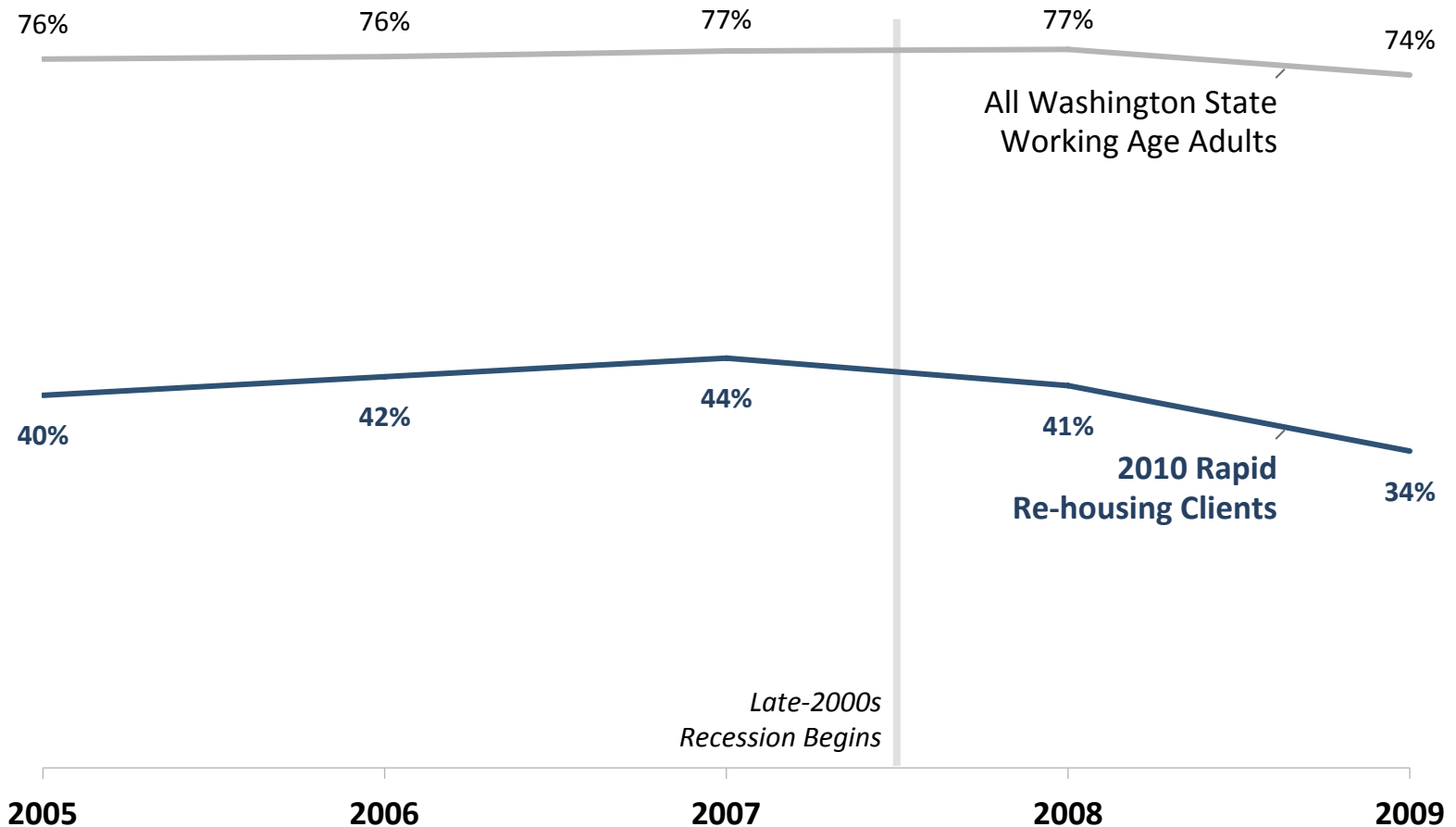


SOURCE: Washington State's Housing and Essential Needs Program, DSHS Research and Data Analysis, January 2013, <http://publications.rda.dshs.wa.gov/1476/>



# The Link Between Housing and Employment

## Adults eligible for Rapid Re-housing (2010): History of low employment rates

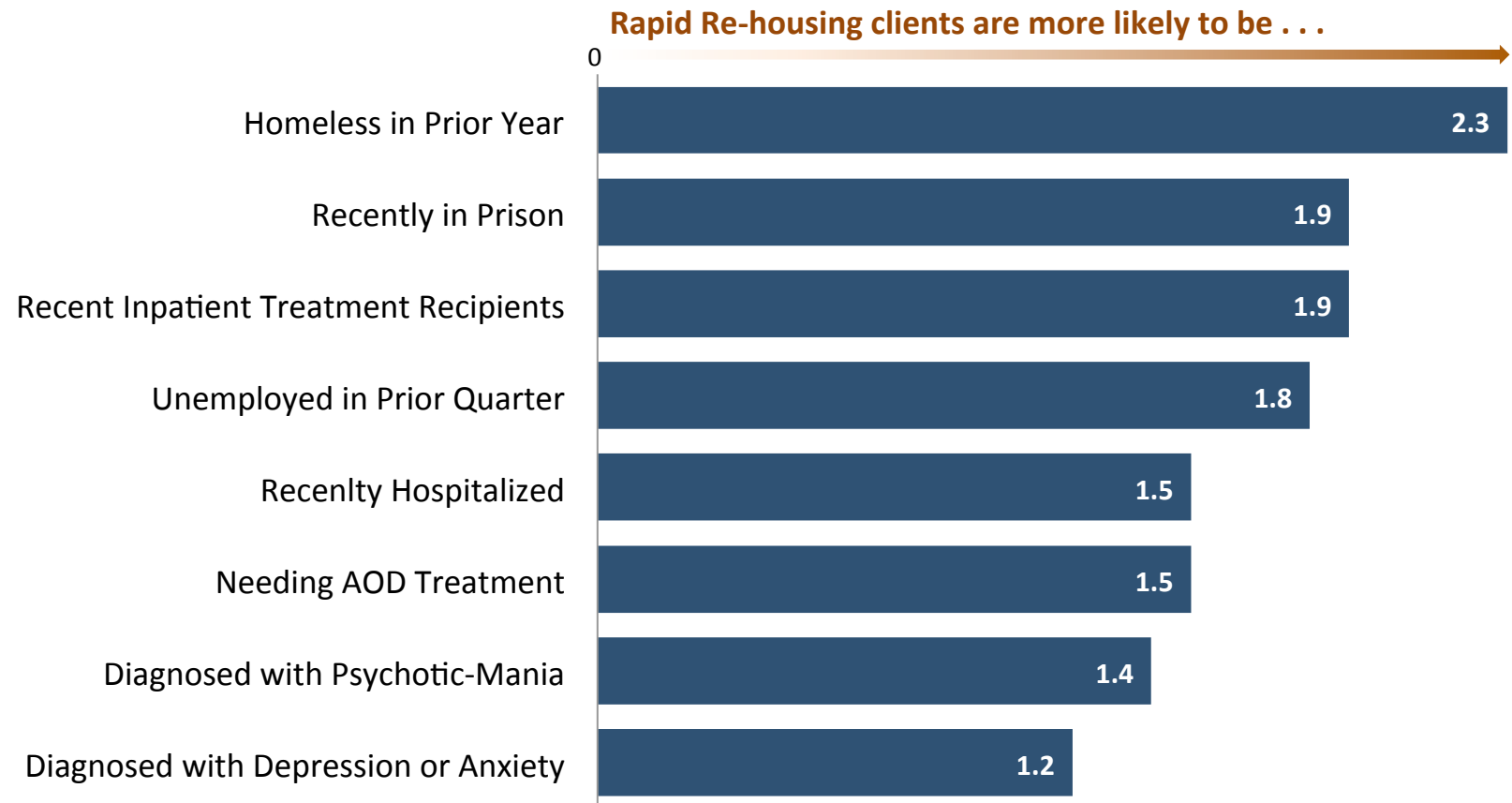


SOURCE: Employment Outcomes Associated with Rapid Re-housing Assistance for Homeless DSHS Clients in Washington State, DSHS Research and Data Analysis Division, October 2012, <http://publications.rda.dshs.wa.gov/1470/>



# Rapid Re-housing versus Homeless Prevention Clients

Rapid Re-housing recipients have significantly greater risks of adverse experiences

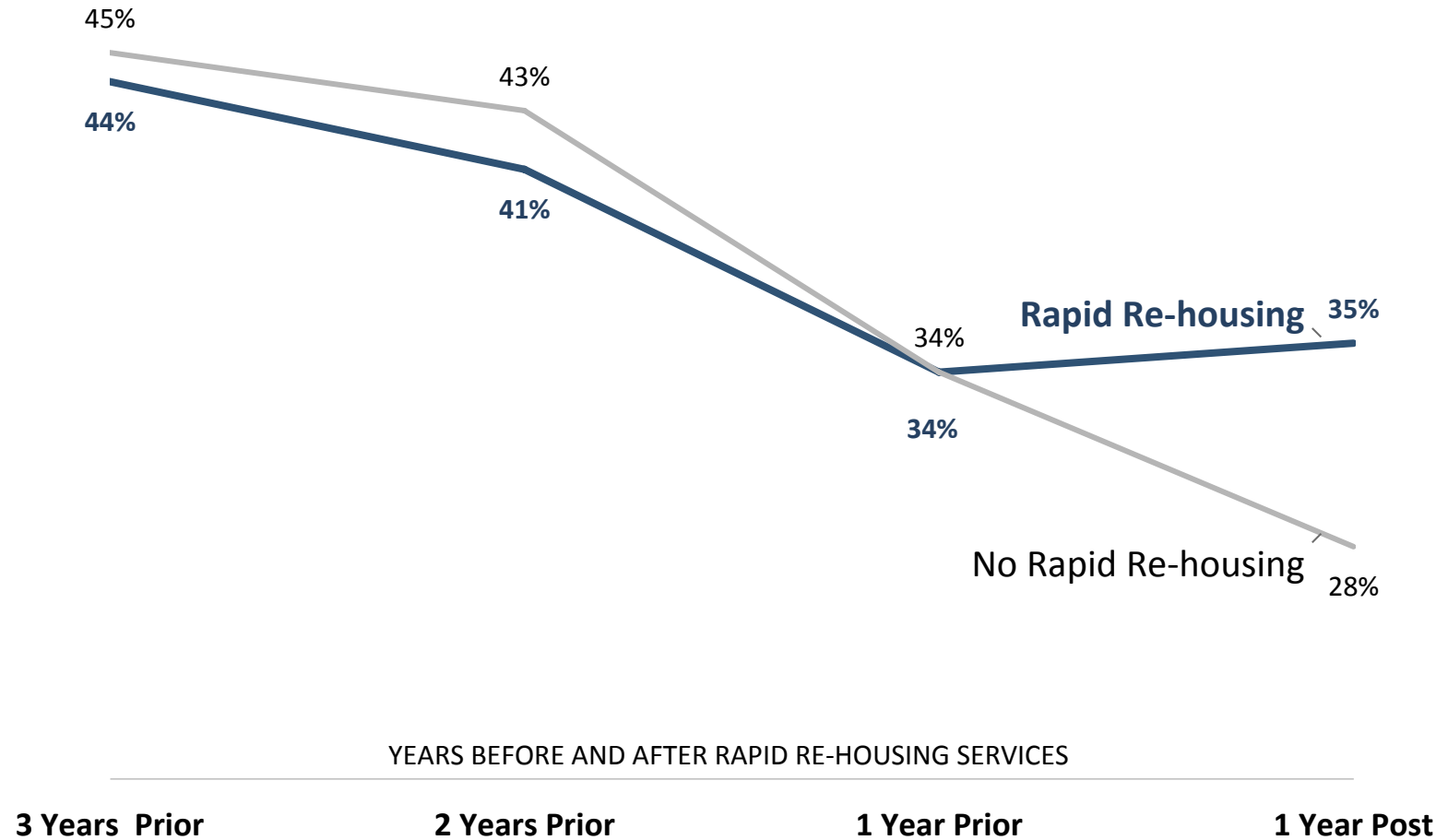


SOURCE: Employment Outcomes Associated with Rapid Re-housing Assistance for Homeless DSHS Clients in Washington State, DSHS Research and Data Analysis Division, October 2012, <http://publications.rda.dshs.wa.gov/1470/>



# Rapid Re-housing Services and Employment

Rapid Re-housing recipients significantly more likely to be employed



YEARS BEFORE AND AFTER RAPID RE-HOUSING SERVICES

3 Years Prior

2 Years Prior

1 Year Prior

1 Year Post



SOURCE: Employment Outcomes Associated with Rapid Re-housing Assistance for Homeless DSHS Clients in Washington State, DSHS Research and Data Analysis Division, October 2012, <http://publications.rda.dshs.wa.gov/1470/>

# HMIS-DSHS Cross-Systems Online Reporting Tool

Cross-Systems Analysis of x  
 dshswboly80850:50040

## How does Commerce HMIS Homeless Data Overlap with DSHS Client Data?

Homeless Management Information System (HMIS)

Data Last Update: 3/20/2013 2:32:43 PM

The Washington State Homeless Management Information System (HMIS) collects data about homeless clients to shed light on the extent and cause of homelessness. The purpose of this online reporting analysis tool is to better understand how client populations over different state systems, and how this shared information can help policymakers to improve service and resource availability.

### HMIS Data Quality

- [Percent of HMIS Clients with Sufficient Identifiers by State Fiscal Year \(SFY\) and HMIS Program Type](#)
- [Percent of HMIS Clients with Sufficient Identifiers by Program Type, State Fiscal Year \(SFY\) and HMIS Program Type - Commerce Measure Only](#)
- [HMIS Clients with Sufficient Identifiers who were Linked to DSHS by State Fiscal Year \(SFY\) and HMIS Program Type](#)
- [HMIS Clients with Sufficient Identifiers who were Linked to DSHS by Program Type, State Fiscal Year \(SFY\) and HMIS Program Type Measure Only](#)

### County Comparisons by State Fiscal Year (SFY)

- [HMIS Program Type](#)
- [HMIS Program Type and Family Type](#)

### Demographics by State Fiscal Year (SFY)

- [County and HMIS Program Types](#)
- [HMIS Program Type, County and Family Types](#)

### Cross-Systems Analysis of HMIS-DSHS Linked Clients by State Fiscal Year (SFY)

- [County and HMIS Program Type](#)
- [County, HMIS Program Type and Family Types](#)

### New Quality Measures

- [By Counties](#)
- [By Family Types](#)
- [By Months - Commerce Measure Only](#)

1

County Comparisons by State Fiscal Year (SFY) and HMIS Program Type

SFY: 2012

View Report

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State Fiscal Year 2012	Homelessness Prevention and Rapid Re-Housing		Emergency Shelter		Transitional Housing		HMIS Program Type Permanent and Permanent Supportive Housing		Non-Housing Services		Only Housing Types		All Types	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Statewide Total	28,779	100.0%	17,890	100.0%	10,727	100.0%	7,090	100.0%	21,530	100.0%	56,697	100.0%	69,470	100.0%
Adams	47	0.2%	27	0.2%	0	0.0%	0	0.0%	92	0.4%	74	0.1%	166	0.2%
Asotin	88	0.3%	51	0.3%	0	0.0%	0	0.0%	38	0.2%	139	0.2%	142	0.2%
Benton-Franklin	1,214	4.2%	229	1.3%	362	3.4%	185	2.6%	565	2.6%	1,698	3.0%	2,069	3.0%
Chelan-Douglas	815	2.8%	51	0.3%	471	4.4%	6	0.1%	408	1.9%	1,280	2.3%	1,450	2.1%
Clallam	1,617	5.6%	570	3.2%	278	2.6%	90	1.3%	532	2.5%	2,076	3.7%	2,414	3.5%
Clark	1,345	4.7%	1,365	7.6%	521	4.9%	357	5.0%	1,537	7.1%	3,179	5.6%	4,110	5.9%
Columbia	92	0.3%	6	0.0%	0	0.0%	0	0.0%	0	0.0%	96	0.2%	96	0.1%
Cowlitz	605	2.1%	190	1.1%	146	1.4%	54	0.8%	166	0.8%	941	1.7%	1,072	1.5%
Ferry	107	0.4%	37	0.2%	10	0.1%	0	0.0%	115	0.5%	136	0.2%	196	0.3%
Garfield	14	0.0%	1	0.0%	0	0.0%	0	0.0%	0	0.0%	15	0.0%	15	0.0%
Grant	736	2.6%	88	0.5%	32	0.3%	0	0.0%	47	0.2%	805	1.4%	826	1.2%
Grays Harbor	445	1.5%	69	0.4%	33	0.3%	0	0.0%	254	1.2%	524	0.9%	747	1.1%



2

Cross-Systems Analysis of HMIS-DSHS Linked Clients by State Fiscal Year (SFY), County, HMIS Program Type and Family Types

SFY: 2012

Program Type: All Types

County: Statewide Total

Measures: DSHS Use Rates

Cross-Systems Analysis of HMIS-DSHS Linked Clients by State Fiscal Year (SFY), County, HMIS Program Type and Family Types

### DSHS Use Rates

State Fiscal Year 2012	All Types											
	Single Parent with Children		Two Parents with Children		Unaccompanied Adult		Unaccompanied Minor		Other Household Types		Total	
County: Statewide Total	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total	17,465	100.0%	18,009	100.0%	28,314	100.0%	696	100.0%	4,986	100.0%	69,470	100.0%
Basic Food Program	16,931	96.9%	17,330	96.2%	27,228	96.2%	497	71.4%	4,790	96.1%	66,776	96.1%
Disability Lifeline	184	1.1%	248	1.4%	8,263	29.2%	7	1.0%	648	13.0%	9,350	13.5%
TANF and State Family Assistance	9,341	53.5%	8,000	44.4%	1,409	5.0%	224	32.2%	862	17.3%	19,836	28.6%
Working Connections Child Care	5,658	32.4%	2,045	11.4%	257	0.9%	45	6.5%	168	3.4%	8,173	11.8%
Medical Coverage	16,275	93.2%	15,505	86.1%	20,466	72.3%	647	93.0%	3,381	67.8%	56,274	81.0%
Disability Medical Coverage	1,240	7.1%	1,349	7.5%	16,693	59.0%	58	8.3%	1,714	34.4%	21,054	30.3%





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**Select an agency below to see a list of services:**

- [Department of Archaeology and Historic Preservation](#)
- [Department of Commerce](#)
- [Department of Ecology](#)
- [Department of Health](#)
- [Department of Information Services](#)
- [Department of Labor and Industries](#)
- [Department of Licensing](#)
- [Department of Natural Resources](#)
- [Department of Social and Health Services](#)
- [Department of Transportation](#)
- [Employment Security Department](#)
- [Liquor Control Board](#)
- [Office of Financial Management](#)
- [Workforce Training and Education Board](#)

**Service code:**

If you have been given a service code, enter it below to apply for access to the service.

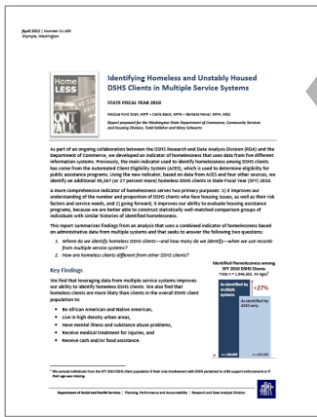
 

**Search services by keywords:**

Enter keyword(s) below to find related services. Leave field blank to display all services.

# Service Code: CSAHAD1000



## Identifying Homeless and Unstably Housed DSHS Clients in Multiple Service Systems

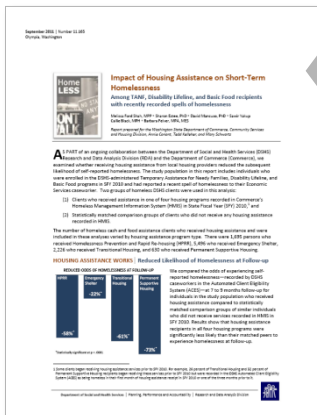
APRIL 2012 • Shah, Black, Felver

<http://publications.rda.dshs.wa.gov/1457/>

## The Housing Status of Individuals Discharged from Behavioral Health Treatment Facilities

JULY 2012 • Shah, Black, Felver

<http://publications.rda.dshs.wa.gov/1460/>



## Impact of Housing Assistance on Short-Term Homelessness Among TANF, Disability Lifeline, and Basic Food recipients with recently recorded spells of homelessness

SEPTEMBER 2011 • Shah, Estee, Mancuso, Black, Felver

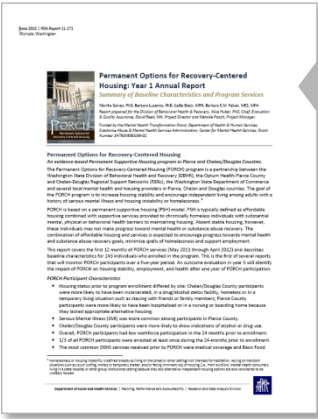
<http://publications.rda.dshs.wa.gov/1443/>

## A Profile of Housing Assistance Recipients in Washington State: History of Arrests, Employment, and Social and Health Service Use

MARCH 2011 • Shah, Estee, Albrecht, Yette, Felver

<http://publications.rda.dshs.wa.gov/1438/>

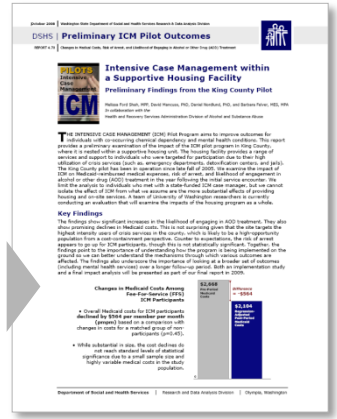




## Permanent Options for Recovery-Centered Housing: Year 1 Annual Report

JUNE 2012 • Galvez, Lucenko, Black, Felver

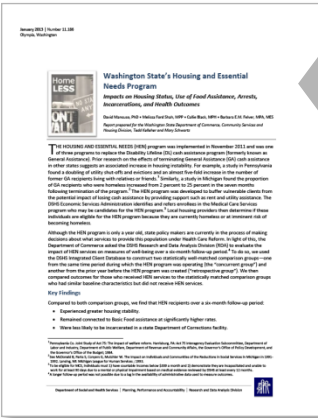
<http://publications.rda.dshs.wa.gov/1462/>



## Intensive Case Management within a Supportive Housing Facility

OCTOBER 2008 • Shah, Mancuso, Nordlund, Felver

<http://publications.rda.dshs.wa.gov/1367/>

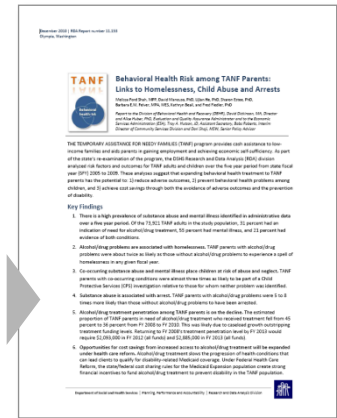


## Washington State's Housing and Essential Needs Program

*Impacts on Housing Status, Use of Food Assistance, Arrests, Incarcerations, and Health Outcomes*

JANUARY 2013 • Mancuso, Ford Shah, Black, Felver

<http://publications.rda.dshs.wa.gov/1476/>



## Behavioral Health Risk among TANF Parents: Links to Homelessness, Child Abuse and Arrests

DECEMBER 2010 • Shah, Mancuso, He, Estee, Felver, Beall, Fiedler

<http://publications.rda.dshs.wa.gov/1429/>



*For more Information . . . .*

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