

Show Me Outcomes

Missouri CMHC Healthcare Homes

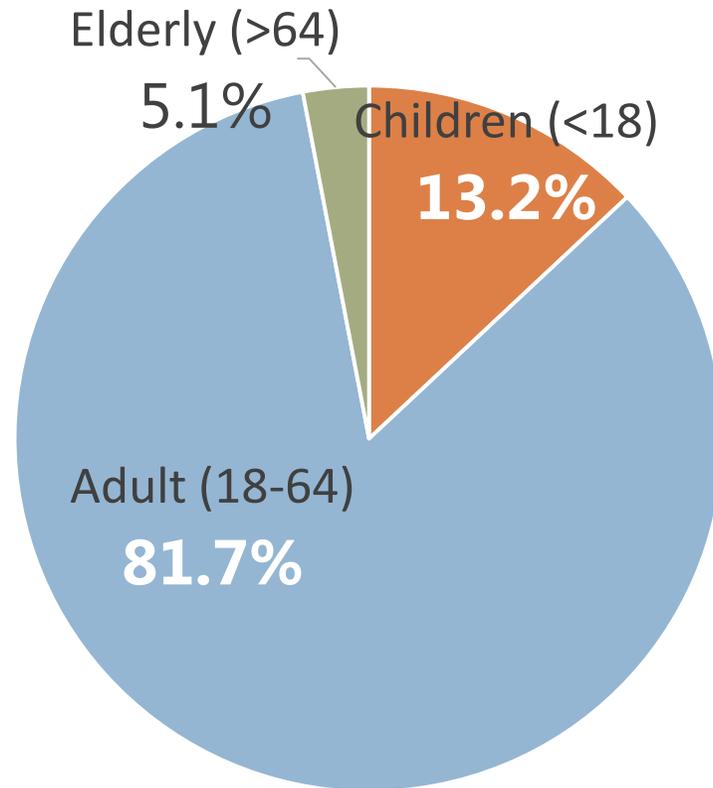
Progress Update



26 Missouri CMHC Health Homes

24,063 Current Enrollment (as of January 1, 2016)

- 1,236 elderly
- 19,652 adults
- 3,175 children

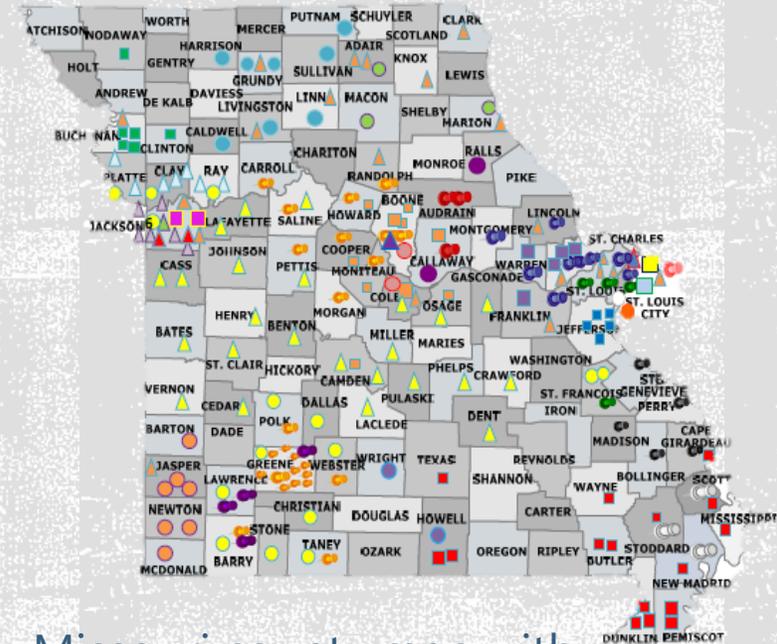


CMHC Health Home Enrollment by Age Group

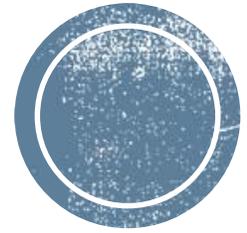


N = 24,063 total health home enrollment as of January 1, 2016

Overview



Missouri county map with CMHC Health Home locations



Cost Savings



Missouri's Health Homes have saved an estimated

\$36.3 million

(\$60 PMPM Cost Savings)



Community Mental Health Center Healthcare Homes

have saved Missouri **\$31 million**

(\$98 PMPM Cost Savings)



Disease Management 3700 cohort
enrolled in CMHC Health Homes

saved **\$22.8 million**

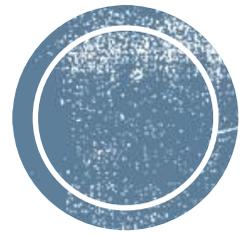
(\$395 PMPM Cost Savings)

DM3700 N =4,800 lives



**Cost
Savings
Year 1 (2012)**

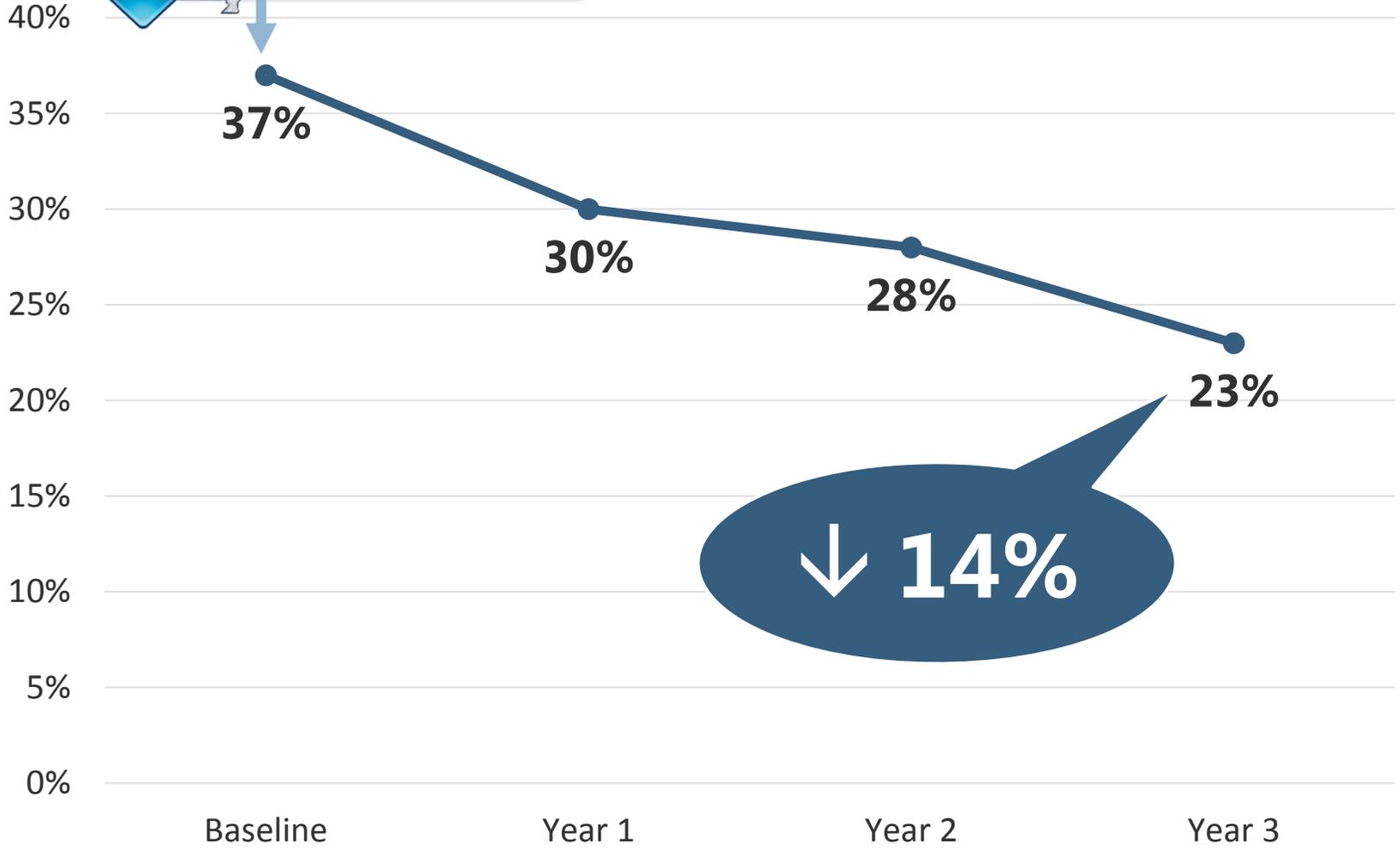
Current per member per
month (PMPM) rate for
CMHC Health Homes is
\$85.23 (Jan. 2016)



Hospital & ER



 CMHC Health Homes
January 1, 2012

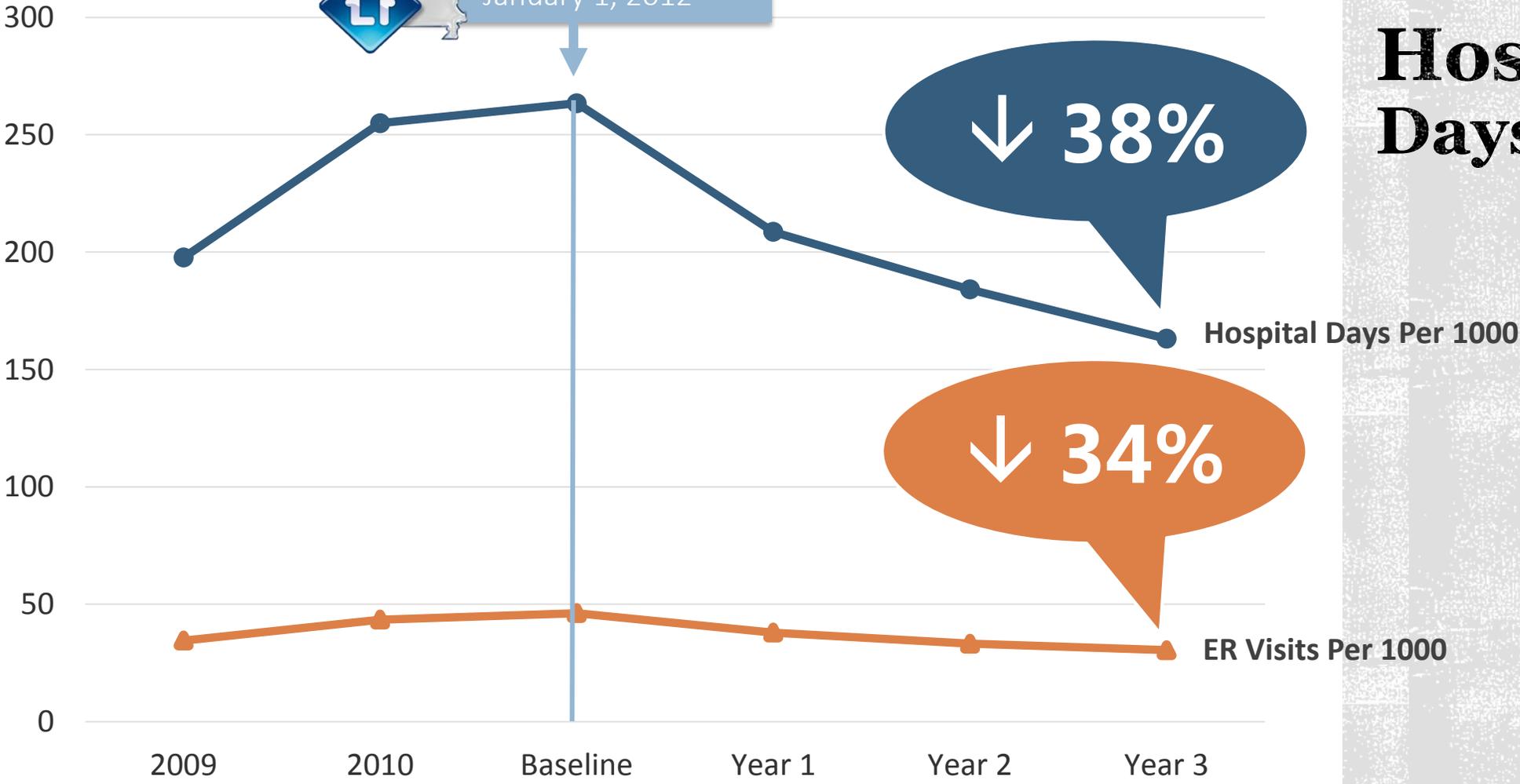


↓ 14%

% of clients with 1+ Hospitalizations



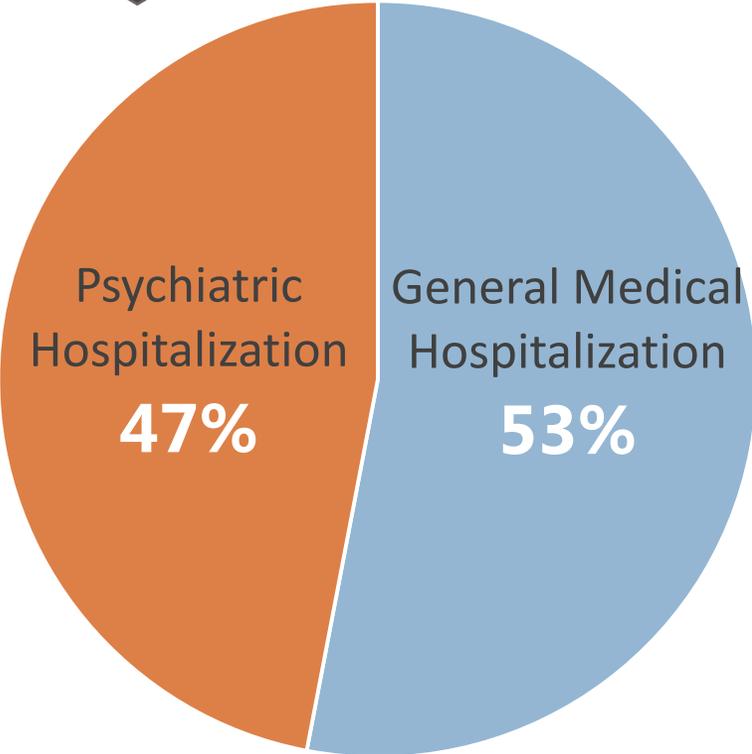
ER Visits Hospital Days



Hospital & ER Days per 1,000

2014 CMHC Health Home **Hospital** Encounters

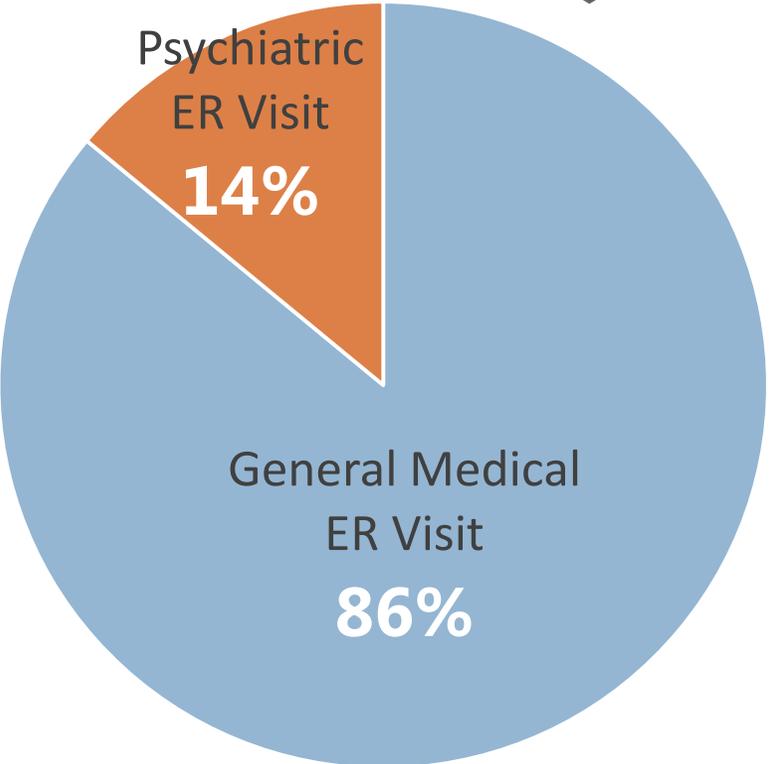
Total N = 11,978



N = # of hospital encounters during
CY2014

2014 CMHC Health Home **ER Visit** Encounters

Total N = 42,030



N = # of ER encounters during
CY2014

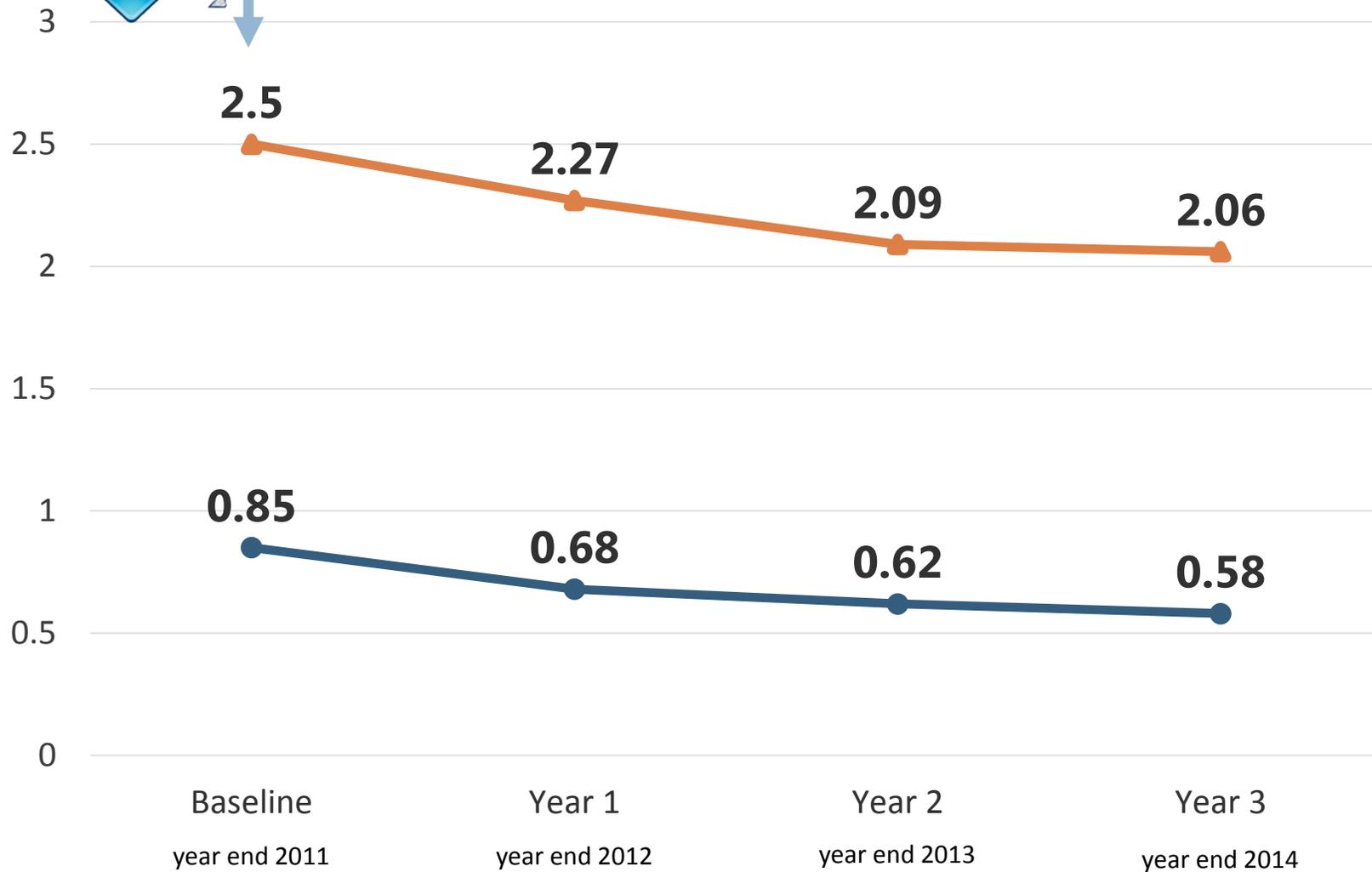
Hospital & ER Encounters

Total CMHC Health Home participants:
(2014) = 20,345



CMHC Health Homes
January 1, 2012

● Avg # Hospitalizations Per Enrollee Per Year
● Avg # ER Visits Per Enrollee Per Year



Average # Hospital & ER Encounters

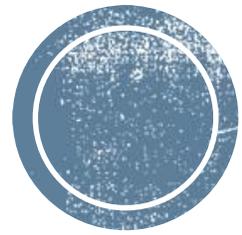
Total CMHC Health Home participants:

(2011) = 17,084

(2012) = 18,776

(2013) = 19,103

(2014) = 20,345

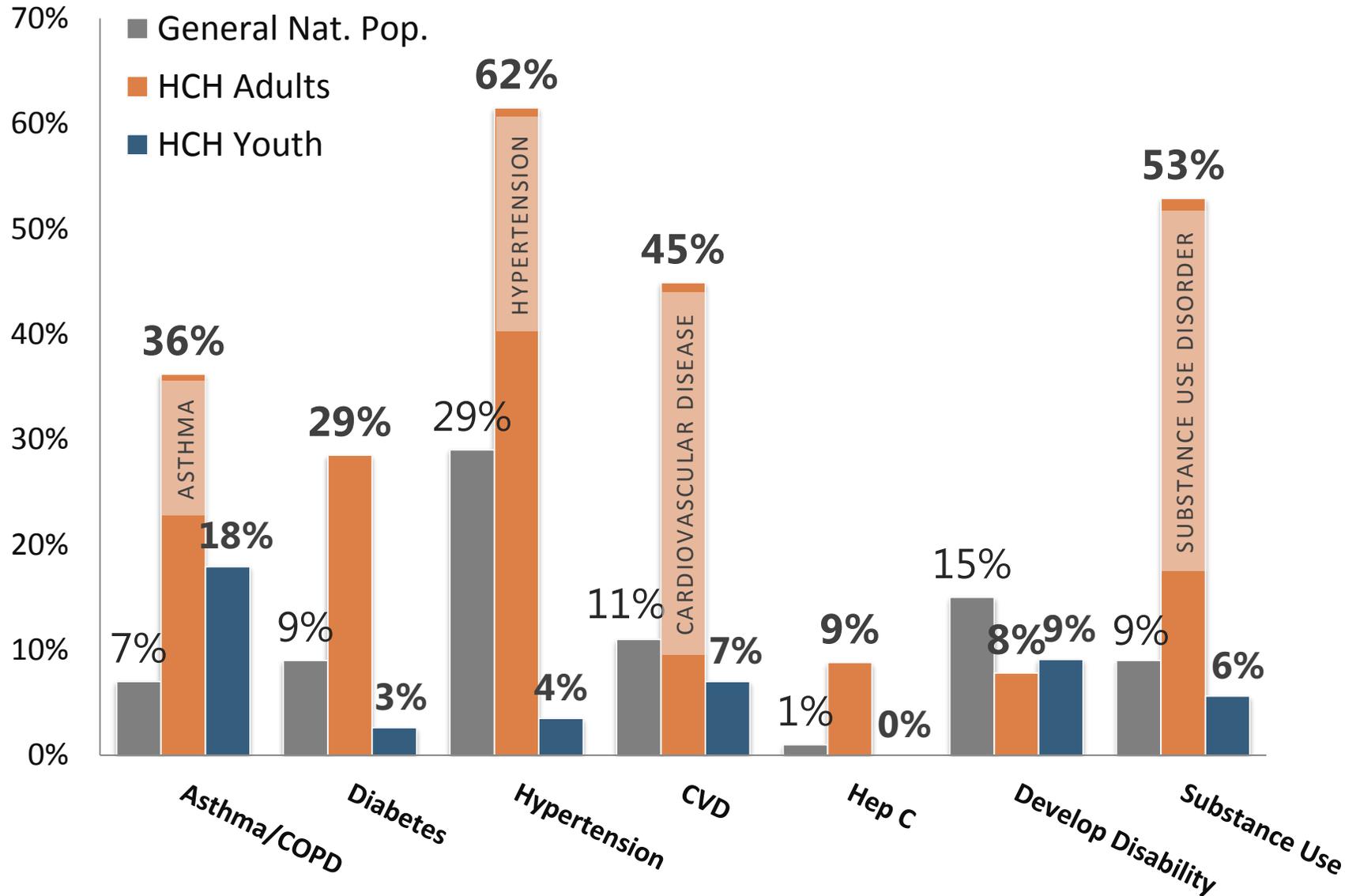


Chronic Disease Prevalence

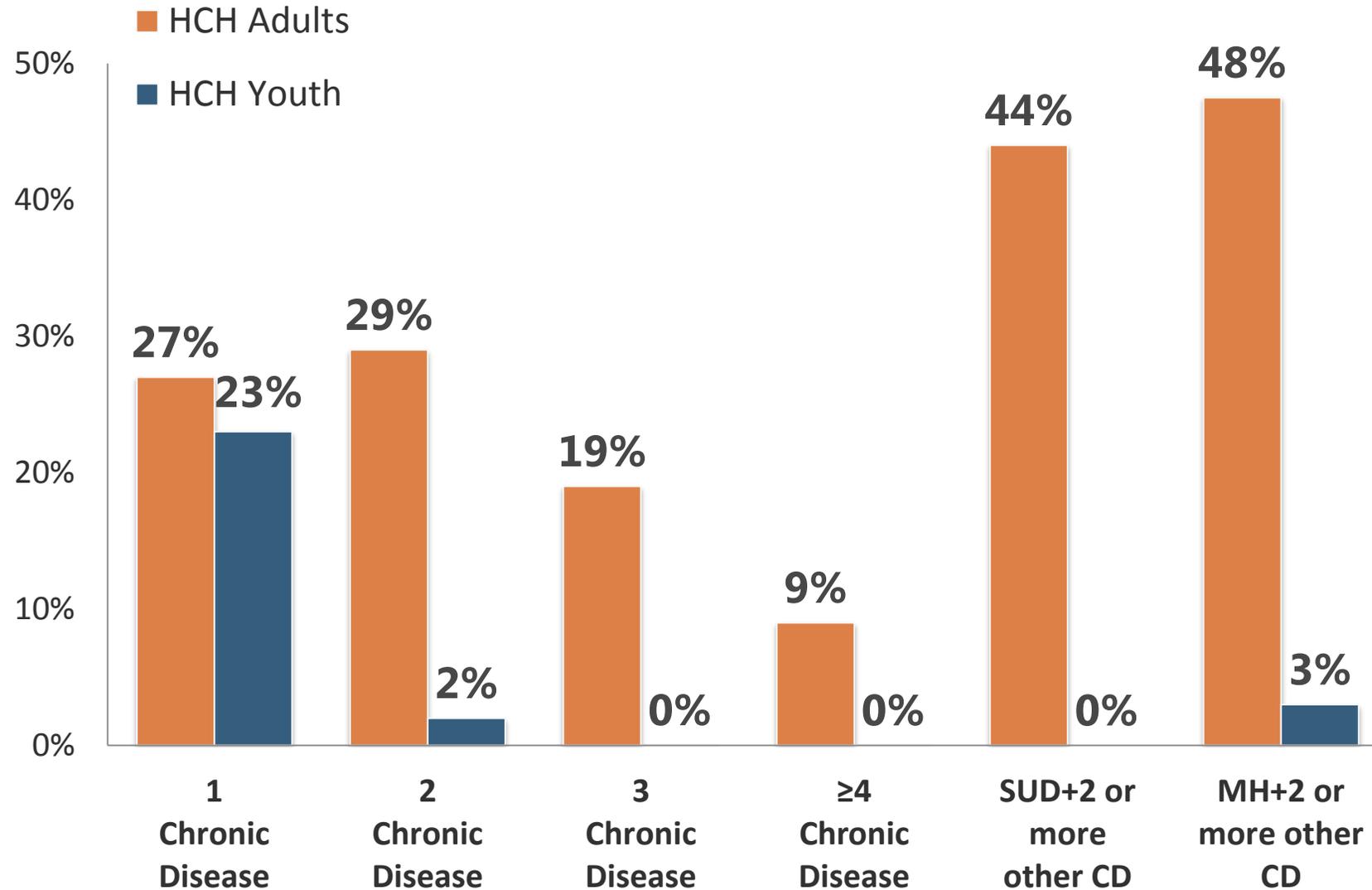


Chronic Health Conditions

Total CMHC Health Home participants (2012-2014):
 HCH Adults N = 22,801
 HCH Youth N = 3,944



General population stats from 2015 Centers for Disease Control and Prevention (CDC) and Substance Abuse and Mental Health Services Administration (SAMHSA)

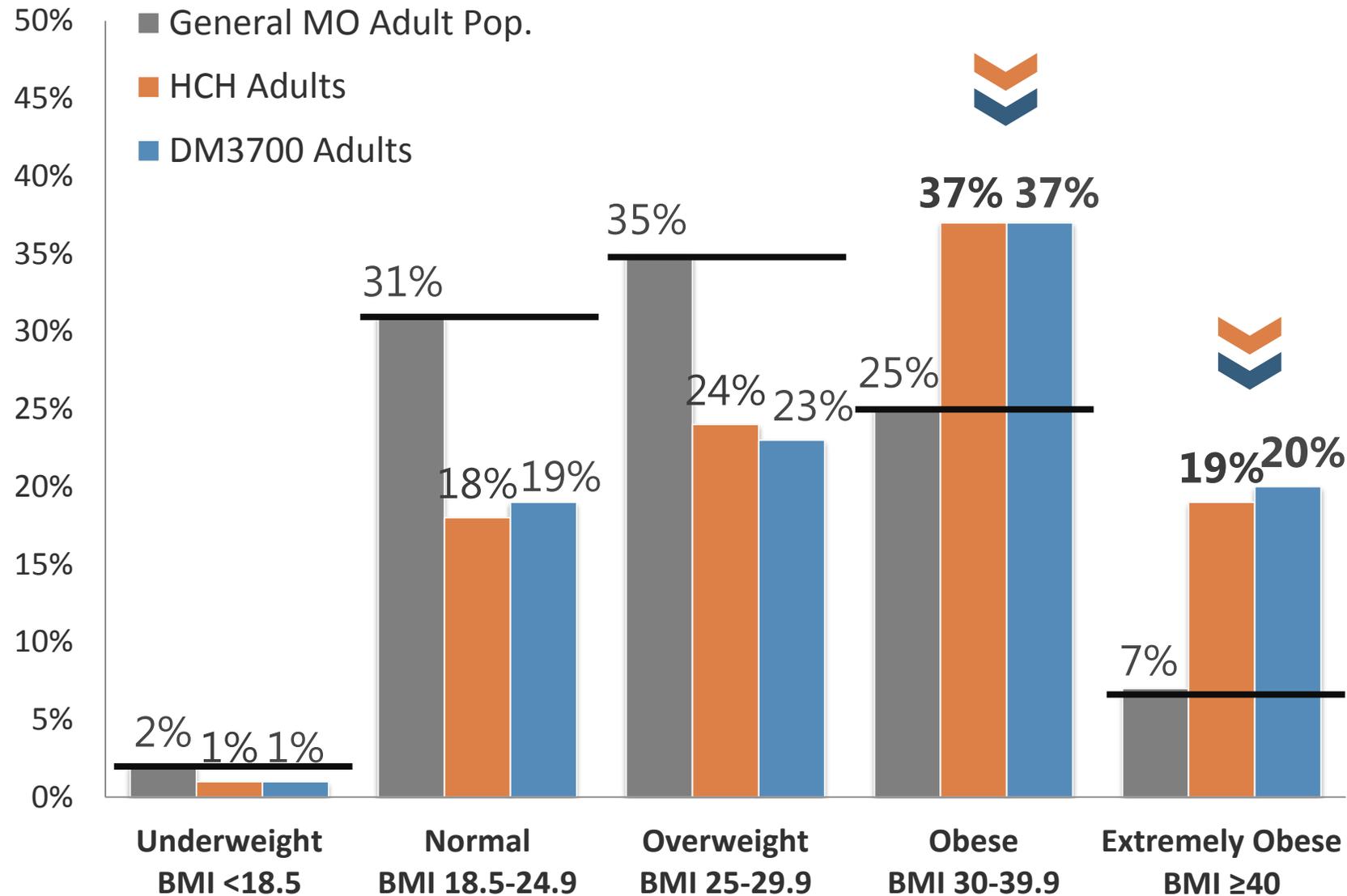


Multiple Chronic Conditions

Total CMHC Health Home participants (2012-2014):

HCH Adults N = 22,801

HCH Youth N = 3,944



Body Mass Index (BMI) & Obesity

Total CMHC Health Home participants (2014):

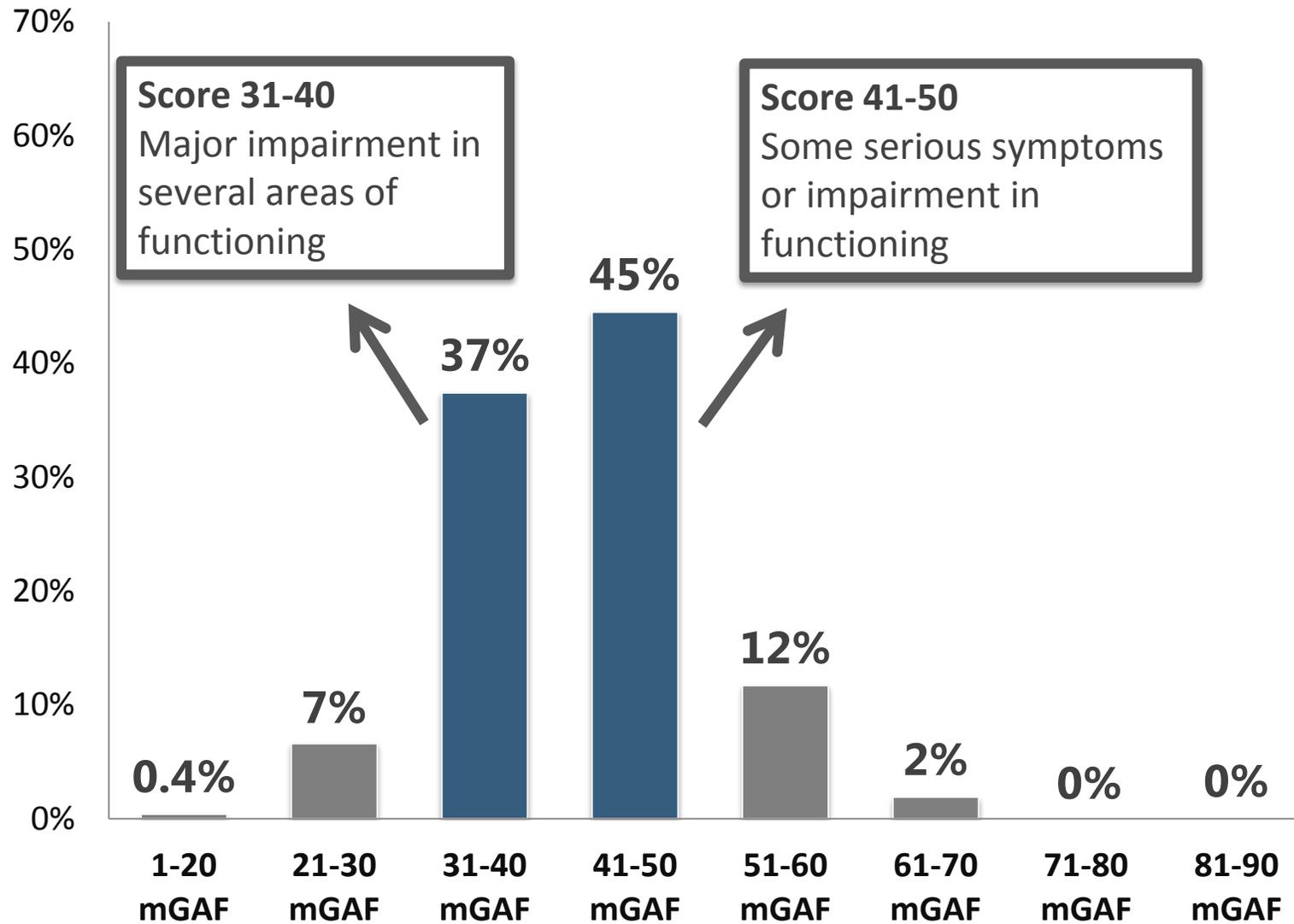
HCH Adults N = 20,590

DM3700 Adults N = 2,407

Daily Living Activities (DLA-20) Assessment

Total CMHC Health Home participants (CY 2014):

N = 13,550 with DLA-20 in last 18 months

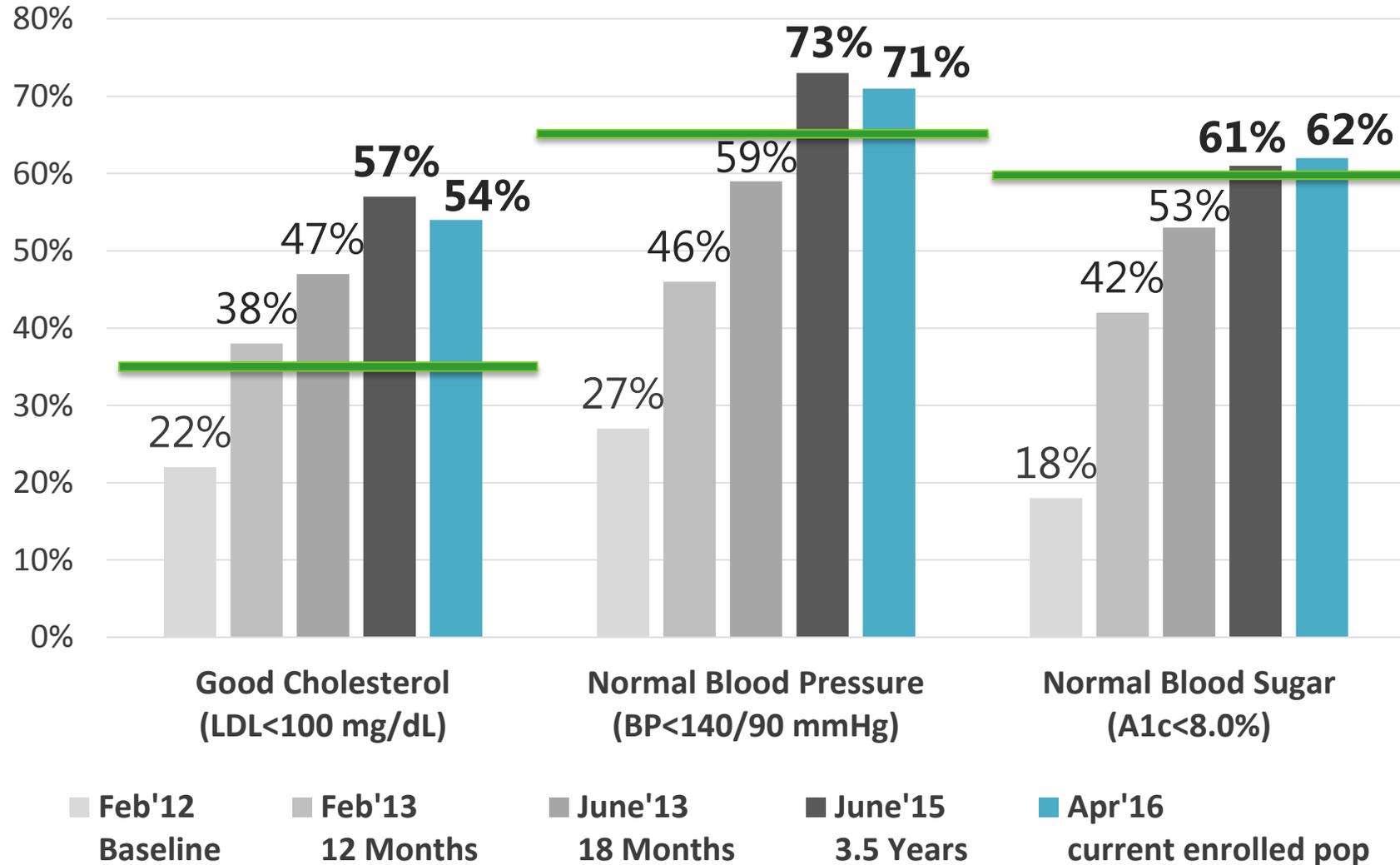


Diabetes

Adults continuously enrolled at each point in time and adults enrolled as of December 2015

N = 1,889 (3.5 yr. enrollment)

N = 4,667 (Apr 2016)



Hypertension & Cardiovascular Disease

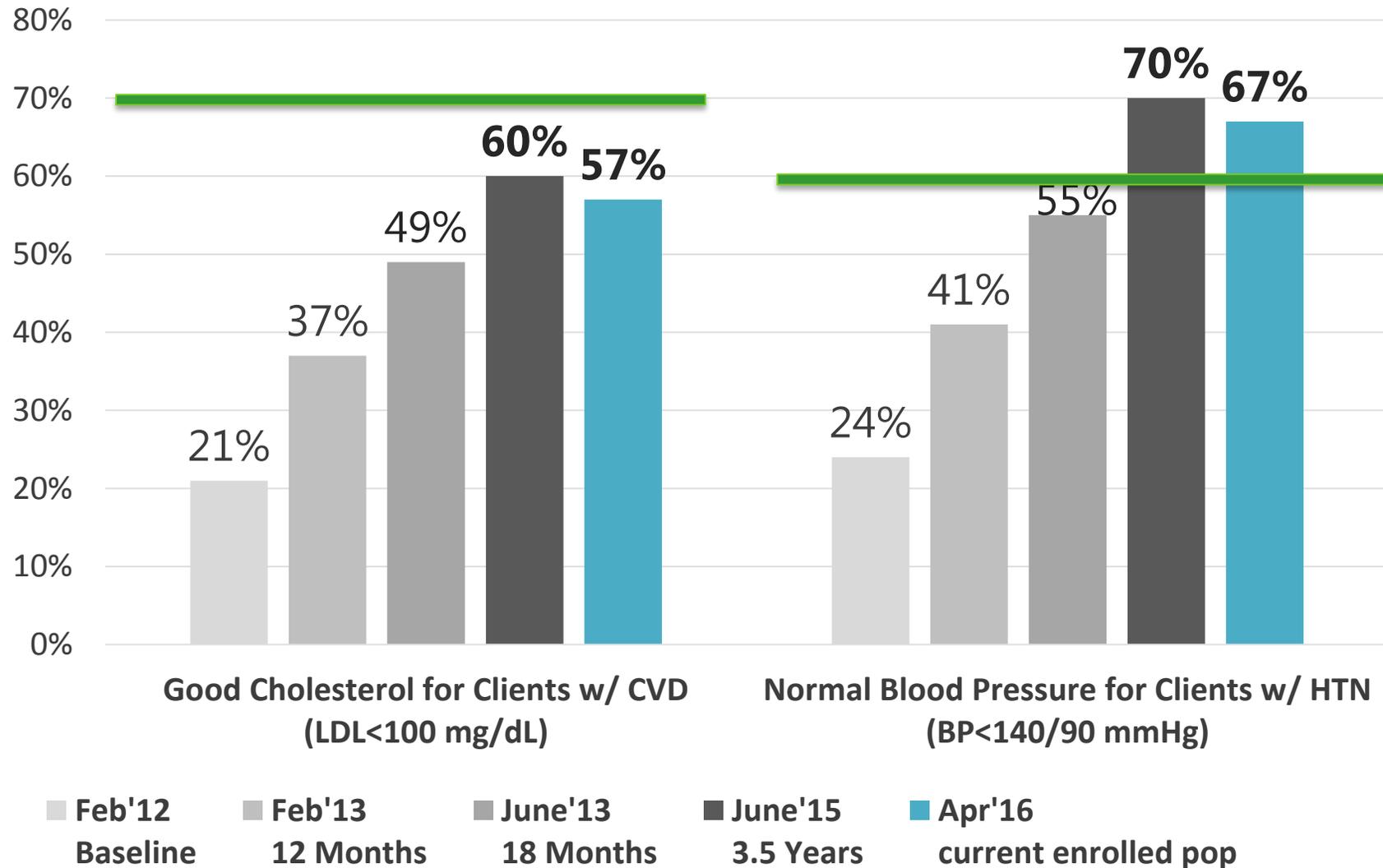
Adults continuously enrolled at each point in time and adults enrolled as of December 2015

CVD N = 232 (3.5 yr. enrollment)

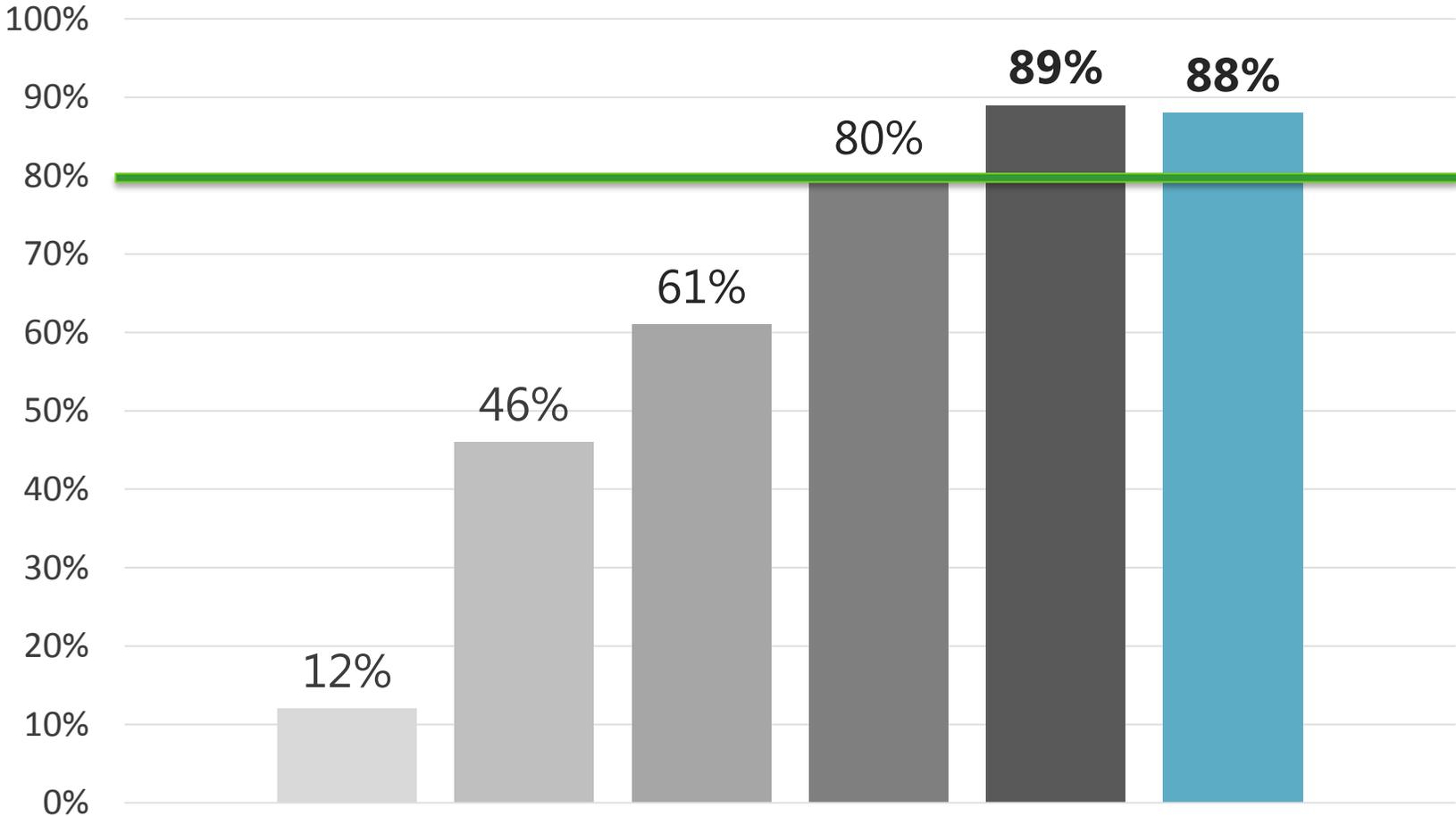
CVD N = 550 (Apr 2016)

HTN N = 2,401 (3.5 yr. enrollment)

HTN N = 6,349 (Apr 2016)



Metabolic Syndrome Screening



Metabolic Syndrome Screening

■ Feb'12 Baseline ■ Feb'13 12 Months ■ June'13 18 Months ■ June'14 2.5 Years ■ June'15 3.5 Years ■ Apr'16 current enrolled pop

All CMHC Health Homes have attained a completion rate above 80%!

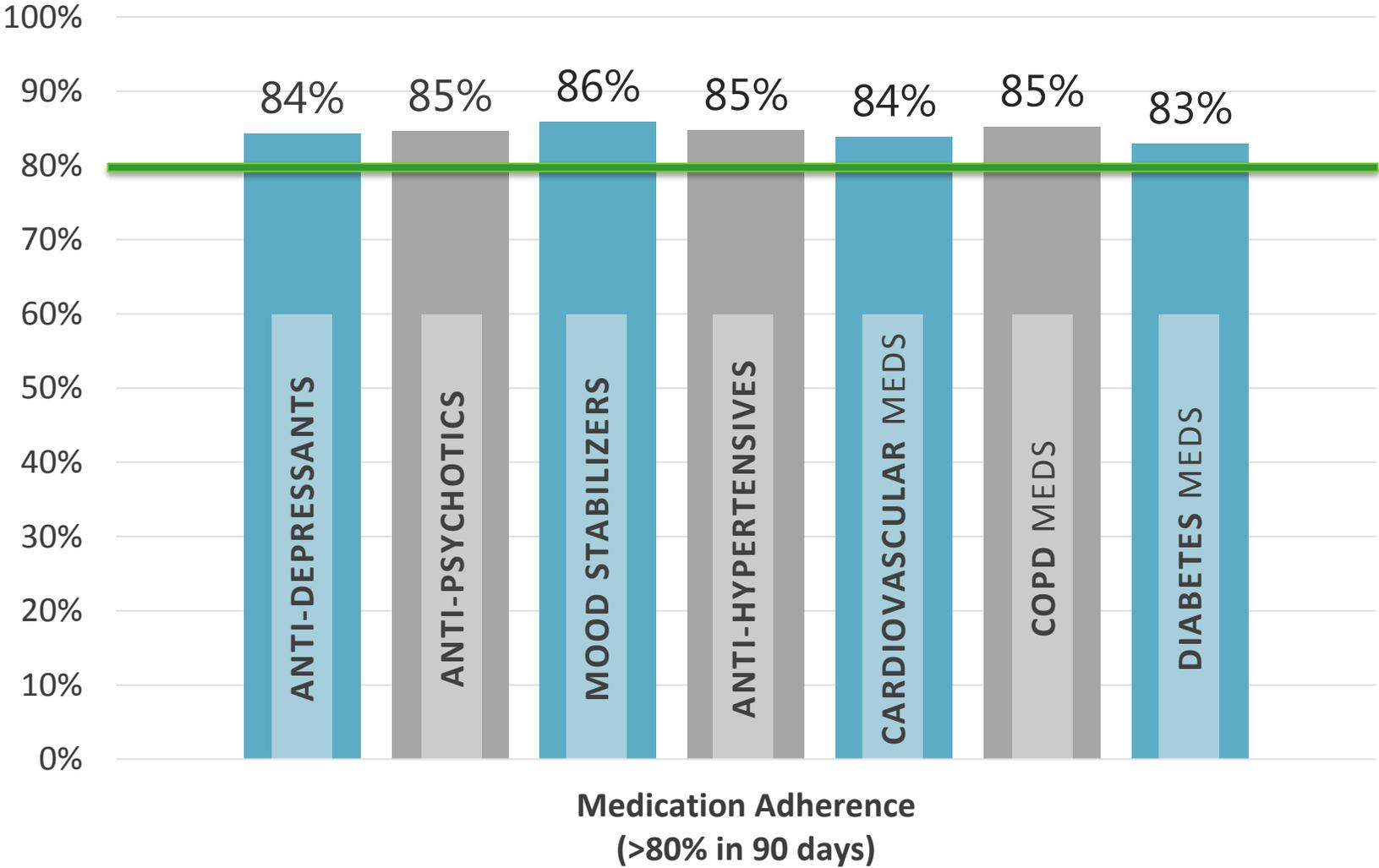
N = 6,553 (3.5 yr. enrollment)

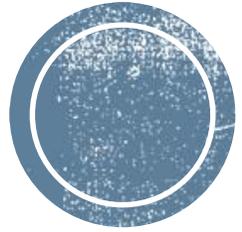
N = 21,407 (Apr 2016)

Medication Adherence

Total CMHC Health Home participants (Apr 2016):

N = 16,900





small changes make a
BIG DIFFERENCE

Small Changes >>> Big Difference

10% reduction in
cholesterol



10% ↓ in cardiovascular
disease

6 mm/Hg reduction in
blood pressure



16% ↓ in cardiovascular
disease

42% ↓ in stroke

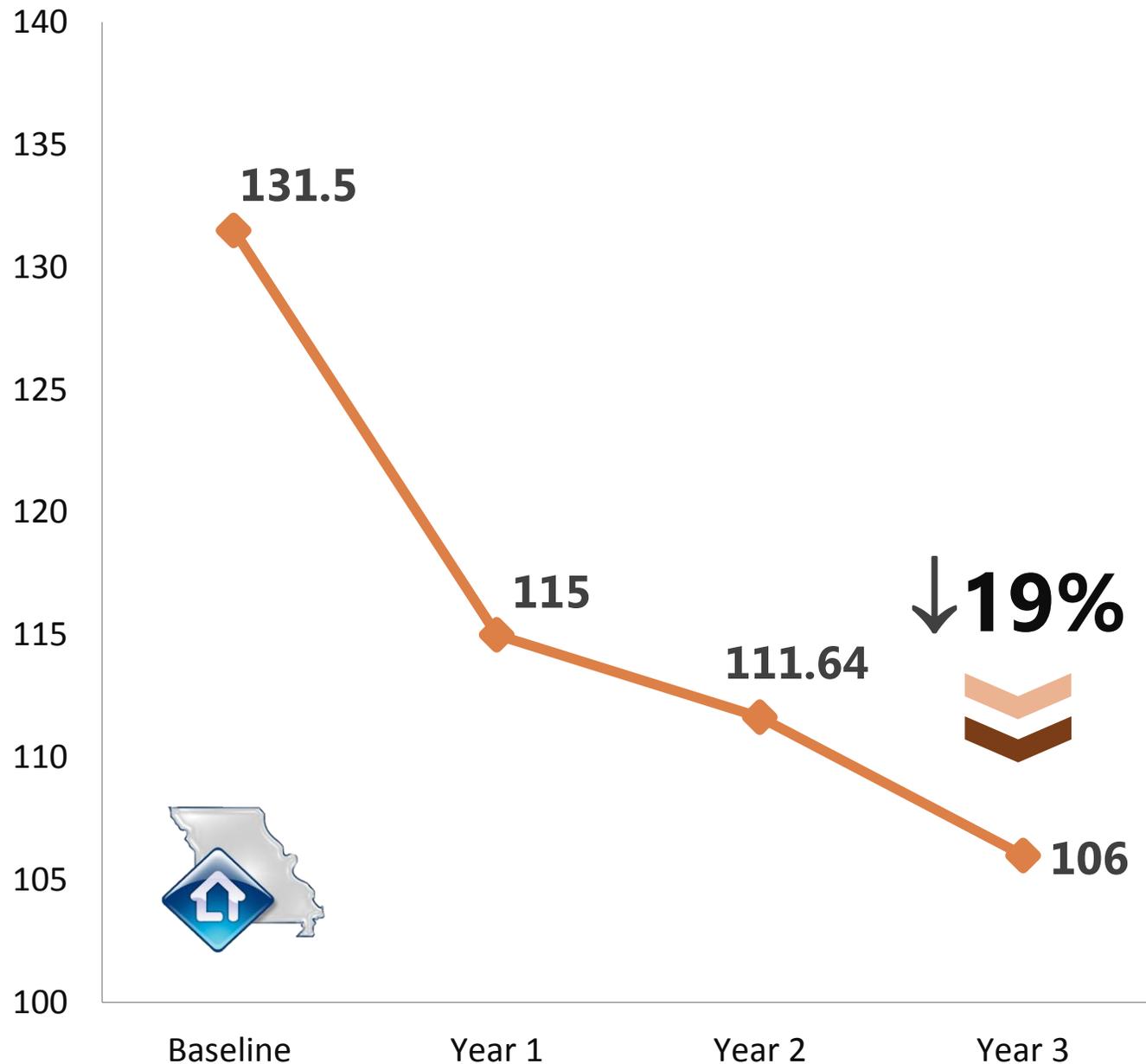
1 point reduction in
HgbA1c



21% ↓ in diabetes related
deaths

14% ↓ in heart attacks

37% ↓ in microvascular
complications

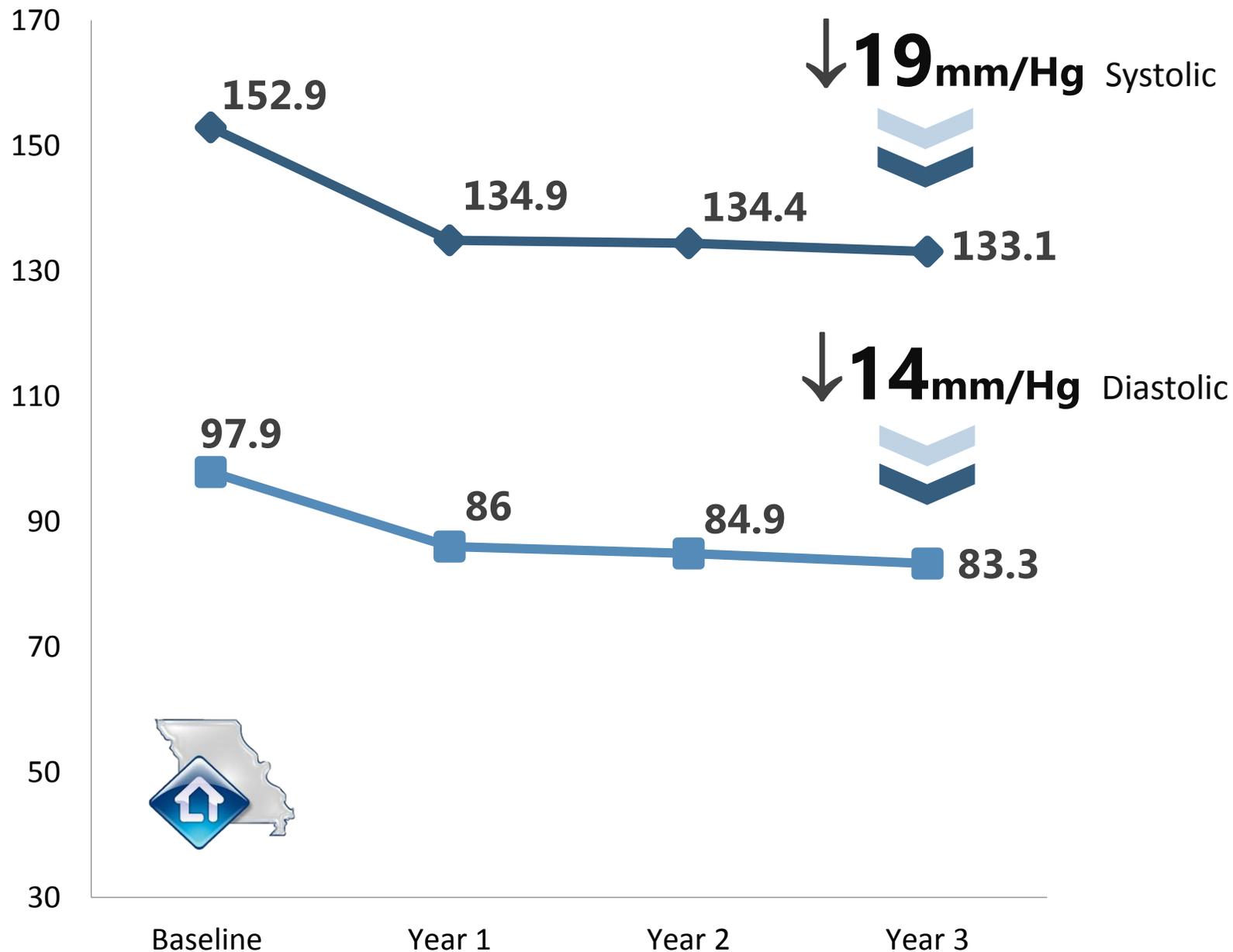


Improving uncontrolled cholesterol

Baseline to Year 1:
Reduced the mean LDL
131 to 115 = 12% decrease

Baseline to Year 3:
Reduced the mean LDL
131 to 106 = 19% decrease

For individuals with LDL >100 at
Baseline

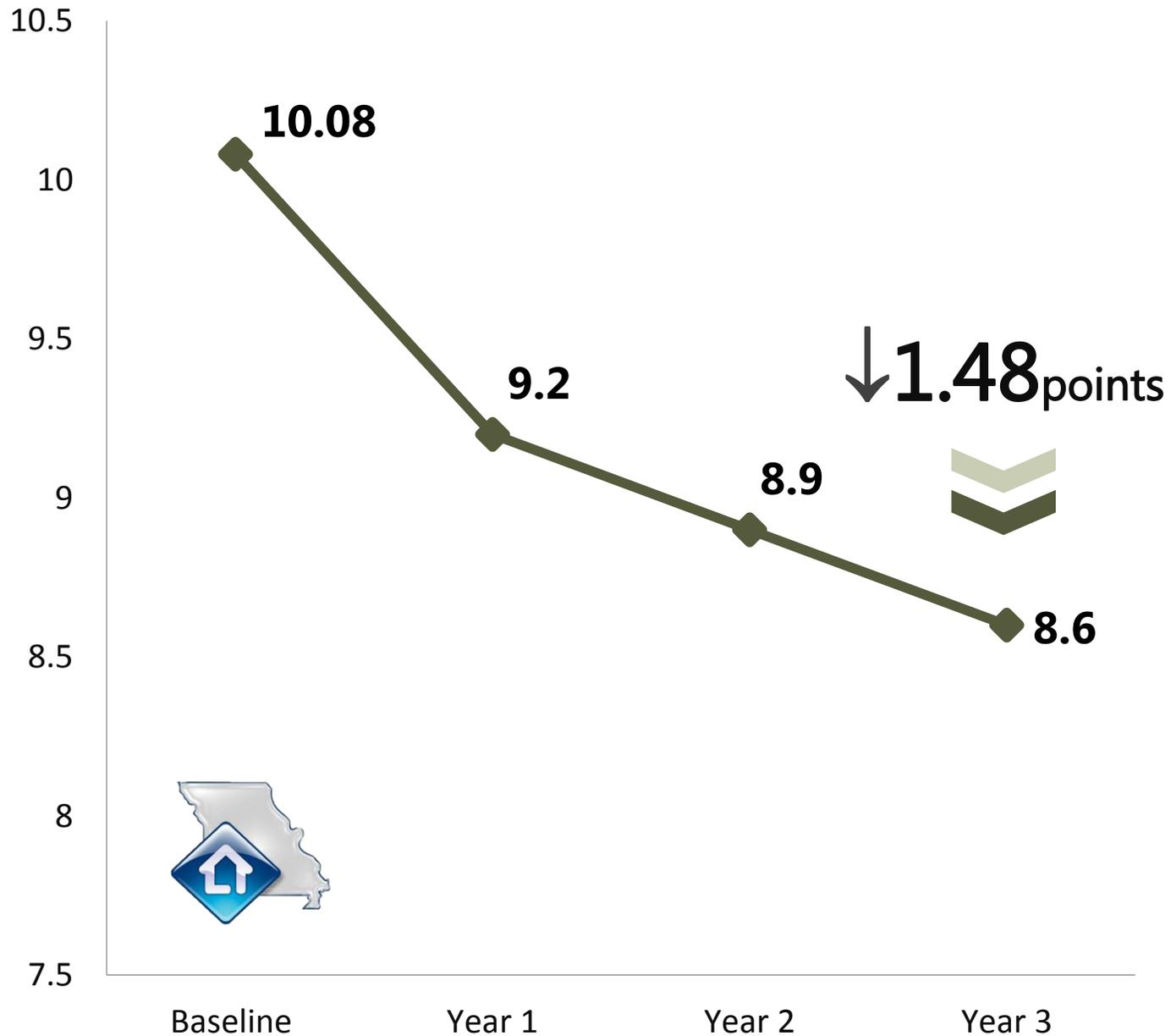


Improving uncontrolled blood pressure

Baseline to Year 1:
 Reduced the mean BP
 Systolic: 152 to 134 = ↓18 mm/Hg
 Diastolic: 98 to 86 = ↓12 mm/Hg

Baseline to Year 3:
 Reduced the mean BP
 Systolic: 152 to 133 = ↓19 mm/Hg
 Diastolic: 97 to 83 = ↓14 mm/Hg

For individuals with Systolic BP >140 and Diastolic BP >90 at Baseline



Improving uncontrolled A1c

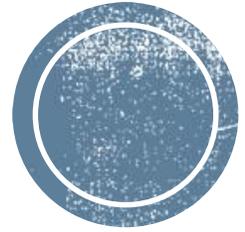
Baseline to Year 1:

Reduced the mean HgbA1c
10.1 to 9.2 = ↓.88 points

Baseline to Year 3:

Reduced the mean HgbA1c
10.1 to 8.6 = ↓1.48 points

For individuals with HbA1c >9.0 at Baseline



national recognition
of the
Missouri Model



The Promise of Convergence: *Transforming Health Care Delivery in Missouri*

A Case Study Developed for the 2015 NASCA
Institute on Management and Leadership

Denver, Colorado – October 7-9, 2015



October 2015
The **National Association of State Chief Administrators (NASCA)** selected Missouri Health Homes as their 2015 Case Study conducted by Harvard University



the **Missouri Model** of integrated care



NASCA state leaders discuss the Missouri Model

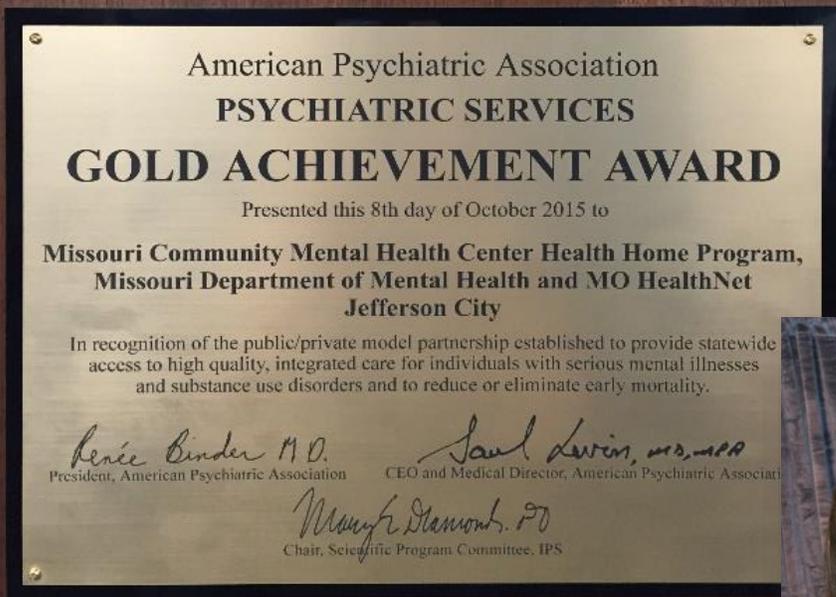


October 2015

The **American Psychiatric Association (APA)** awarded the Missouri CMHC Health Home program the Psychiatric Services Gold Achievement Award



the **Missouri Model** of integrated care

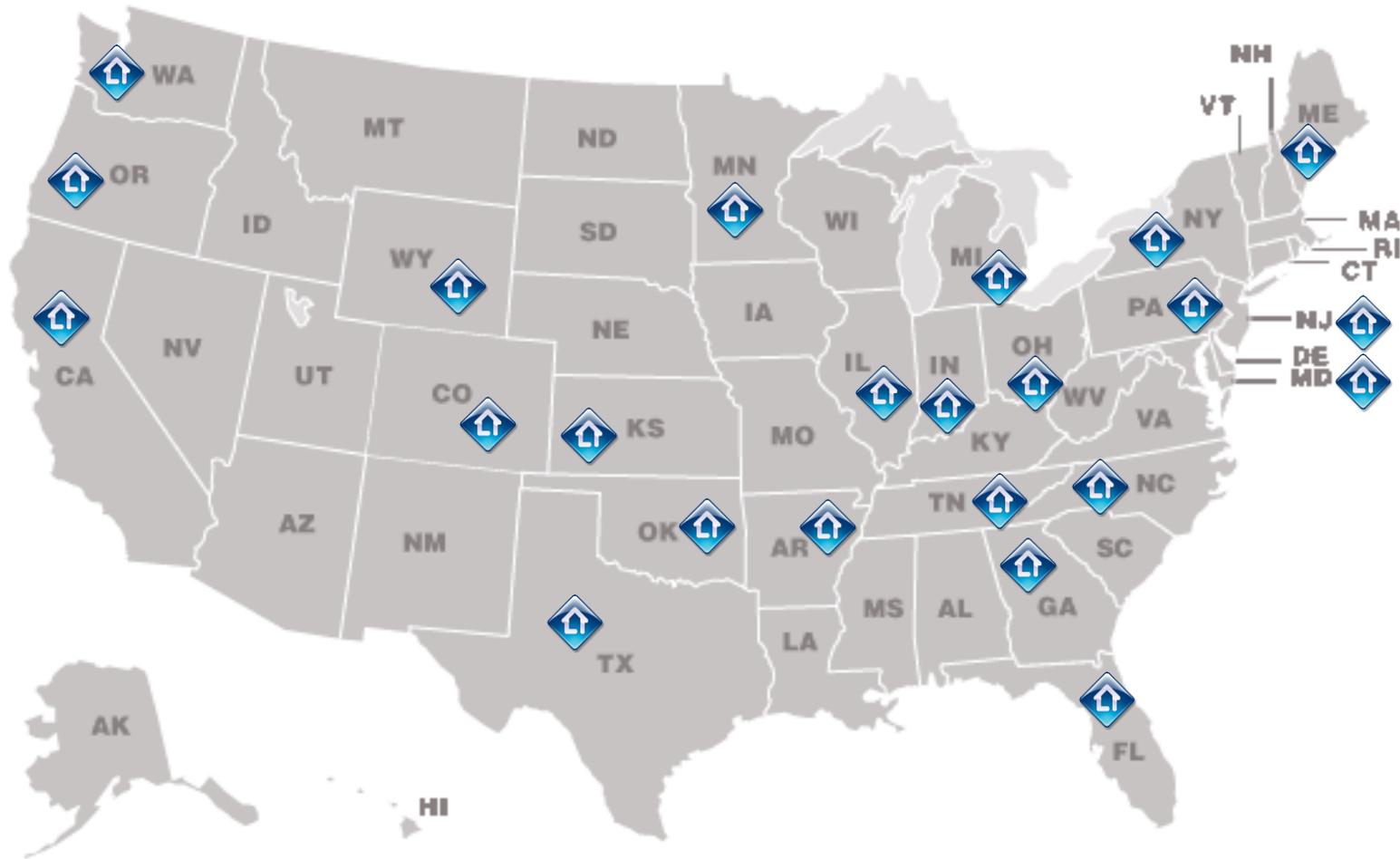


Missouri receives APA Gold Achievement award in NYC

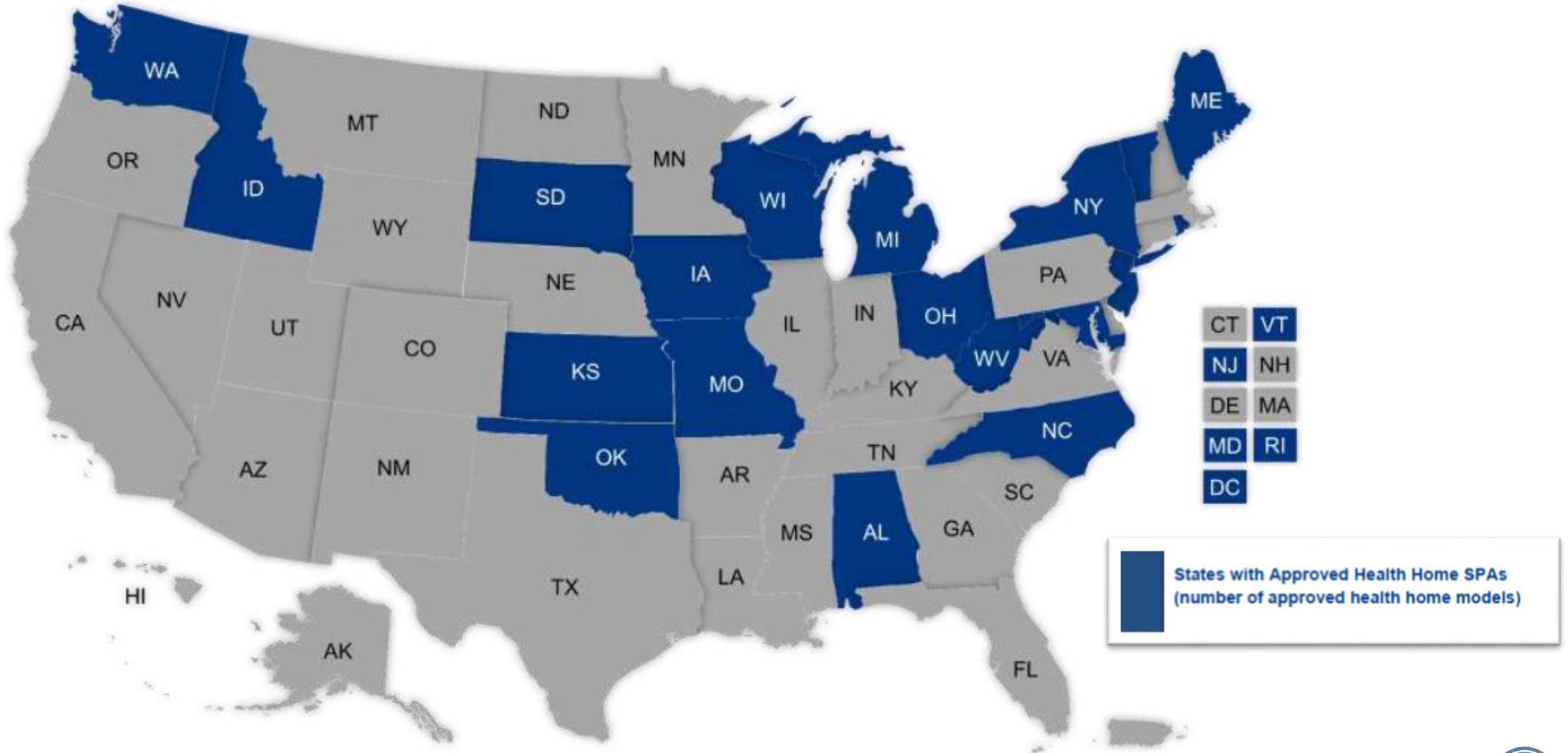
Left to Right: *Tara Crawford*, MO Dept. of Mental Health; *Dr. Joe Parks*, MO Dept. of Social Services; *Kim Yeagle*, MO Coalition for Community Behavioral Healthcare; *Dr. Jaron Asher*, Family Care Health Centers



= states Missouri has consulted with on health homes and the Missouri model of integrated care



the
Missouri Model
of integrated care



As of December 2015, 19 states and the District of Columbia have a total of 27 approved Medicaid health home models.



For more information

MO Health Home Resources

MO Department of Mental Health
dmh.mo.gov/mentalillness/mohealthhomes.html

MO Coalition for Community Behavioral
Healthcare
mocoalition.org/#!/health-homes/c14fu

MO Department of Social Services | MO
Primary Care Health Homes
dss.mo.gov/mhd/cs/health-homes/

CMS Health Home Information Resource
Center
www.medicaid.gov/state-resource-center/medicaid-state-technical-assistance/health-homes-technical-assistance/health-home-information-resource-center.html

Articles and Recognitions

“The Promise of Convergence: Transforming Health Care Delivery in Missouri” (Harvard Case Study for 2015 NASCA Institute on Management and Leadership)
www.naspo.org/dnn/Portals/16/2015%20NASCA%20Case%20Study%20-%20The%20Promise%20of%20Convergence%20FINAL%20for%20article.pdf

Gold Award: Community-Based Program: A health Care Home for the “Whole Person” in Missouri’s Community Mental Health Centers (APA Achievement Awards 2015)
ps.psychiatryonline.org/doi/full/10.1176/appi.ps.661013can Psychiatric Association |