

# Improving Service Delivery for High Need Medicaid Clients in Washington State Through Data Integration and Predictive Modeling

David Mancuso, PhD

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# High-Cost Client in the Medicaid Environment

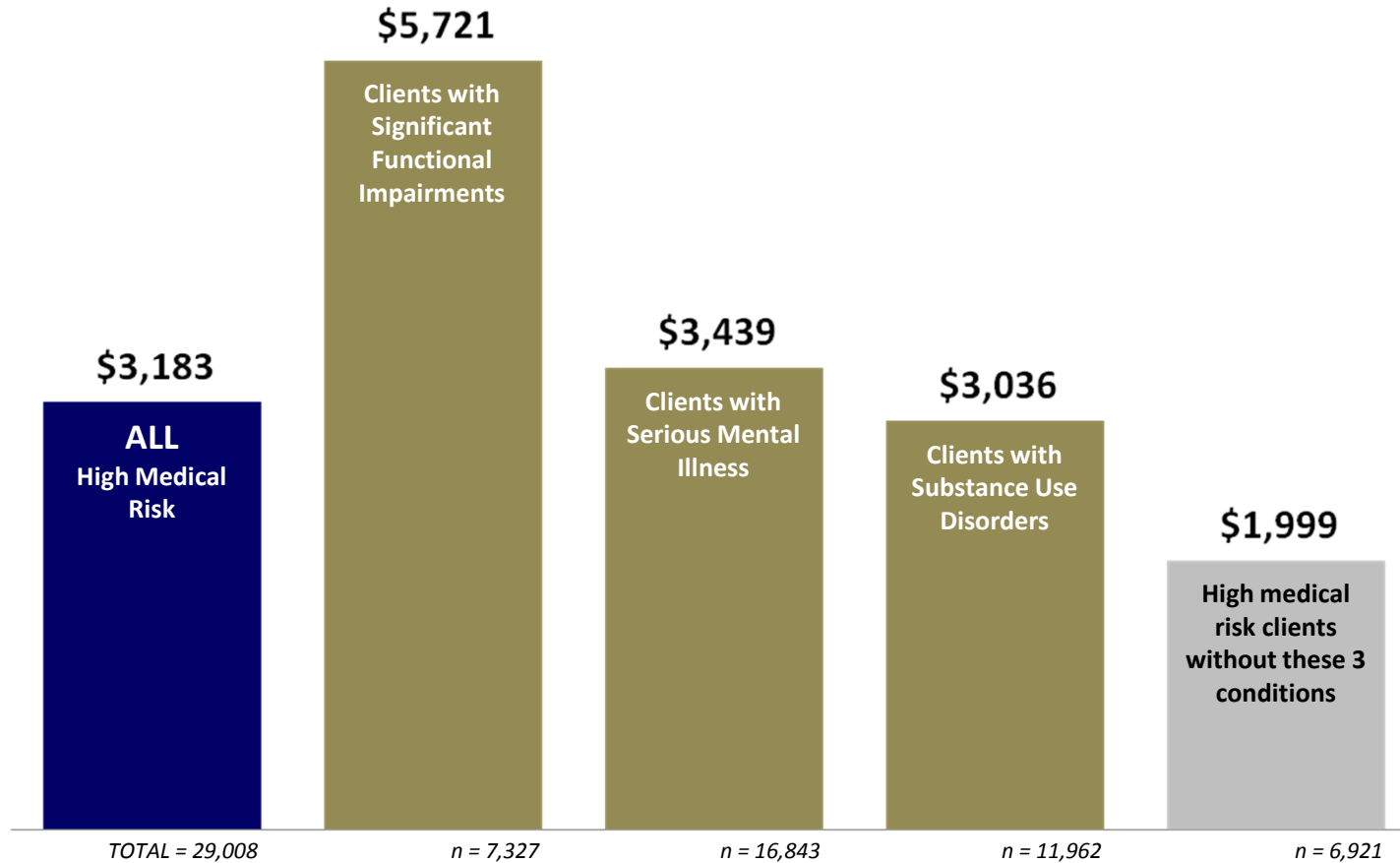
- ▶ **Program costs are often driven by a small proportion of patients with multiple health conditions**, often exacerbated by mental illness, substance use disorders, cognitive limitations or functional impairments
- ▶ **High-cost clients are often served in multiple Medicaid-funded delivery systems** (medical, long-term care, mental health, substance abuse, developmental disabilities)
- ▶ **High-cost clients often have significant social support needs** such as the need for housing or employment support, or interventions to reduce the risk of criminal justice involvement
- ▶ **Persons dually eligible for Medicare and Medicaid comprise a disproportionate share** of high-risk, high-cost Medicaid beneficiaries



# Complex Clients Drive Medicaid Costs

## High medical risk disabled adult Medicaid enrollees

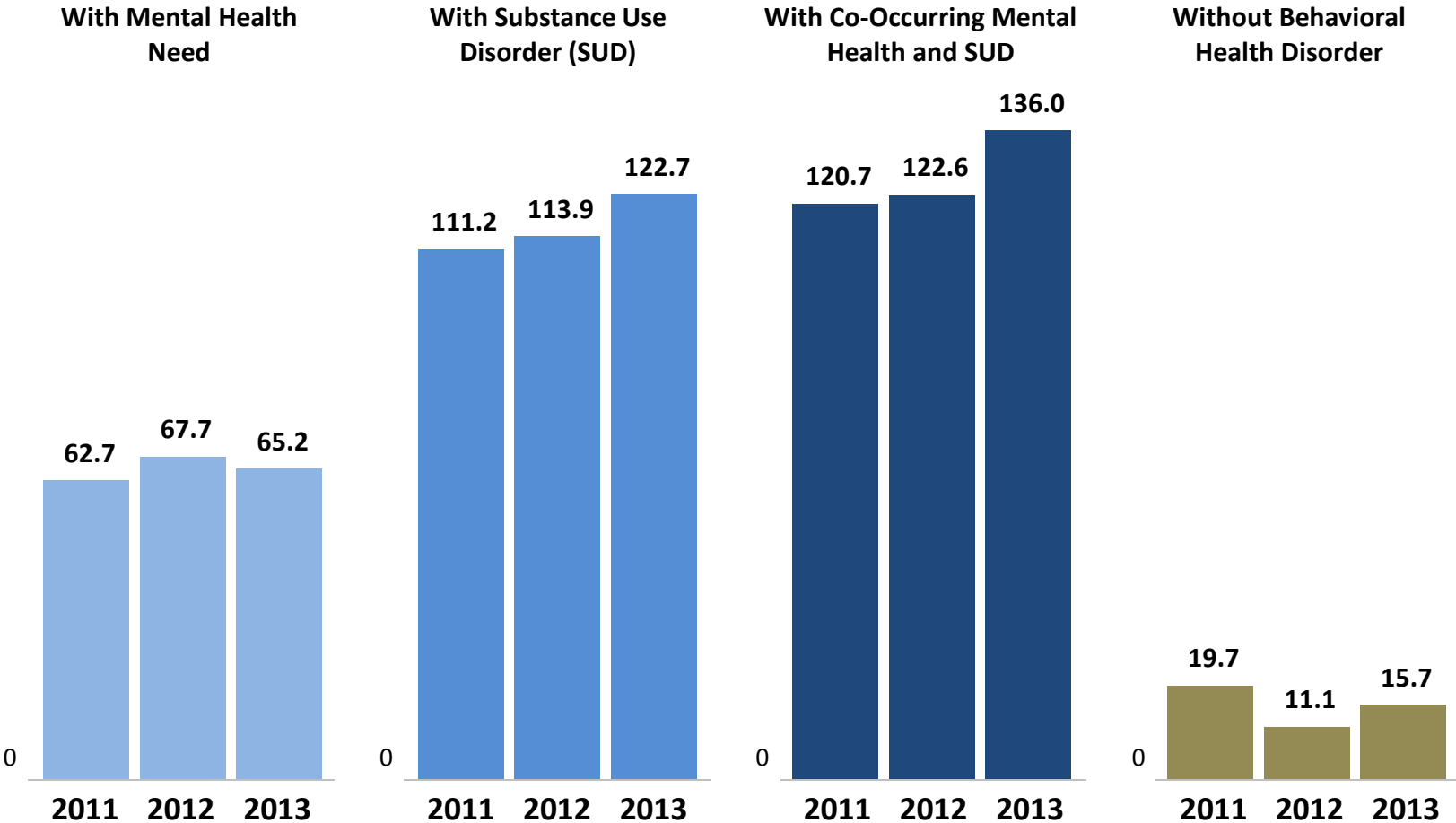
TOTAL PER MEMBER PER MONTH COST, ALL MEDICAID DELIVERY SYSTEMS • WASHINGTON STATE • SFY 2010



# Diabetes Short-Term Complications Admission Rate

Persons 18-64 • PQI-01 • Admissions per 100,000 Member Months

► Insert bullet . . . .



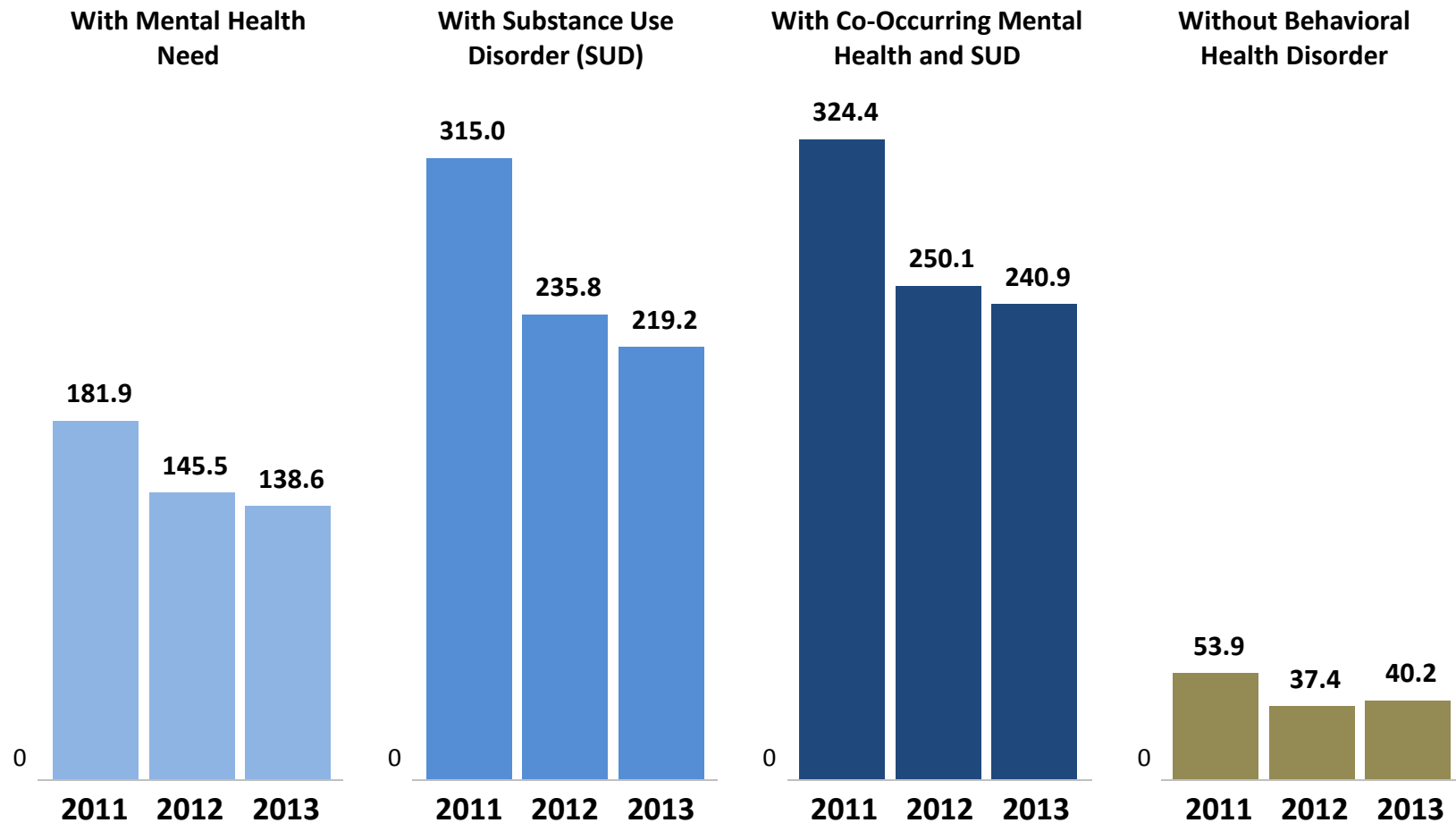
SOURCE: DSHS Research and Data Analysis Division, *Managed Medical Care for Persons with Disabilities and Behavioral Health Needs: Preliminary Findings from Washington State*, JANUARY 2015.



# COPD/Asthma in Older Adults Admission Rate

AGES 40-64 • Admissions per 100,000 Member Months

► Insert bullet . . . .



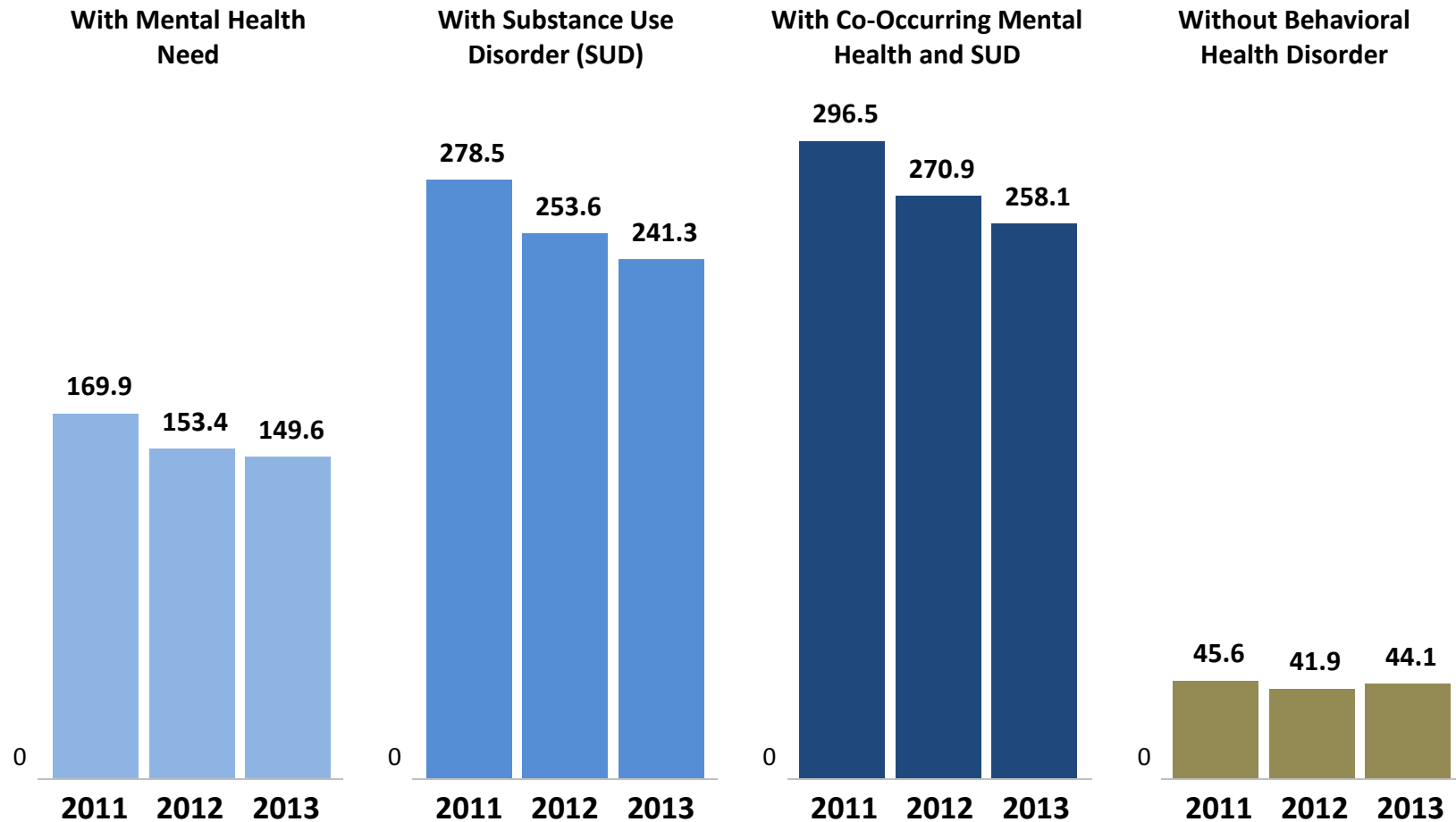
SOURCE: DSHS Research and Data Analysis Division, *Managed Medical Care for Persons with Disabilities and Behavioral Health Needs: Preliminary Findings from Washington State*, JANUARY 2015.



# Outpatient Emergency Department Visits

AGES 18-64 • Visits per 1,000 Member Months

► Insert bullet . . . .



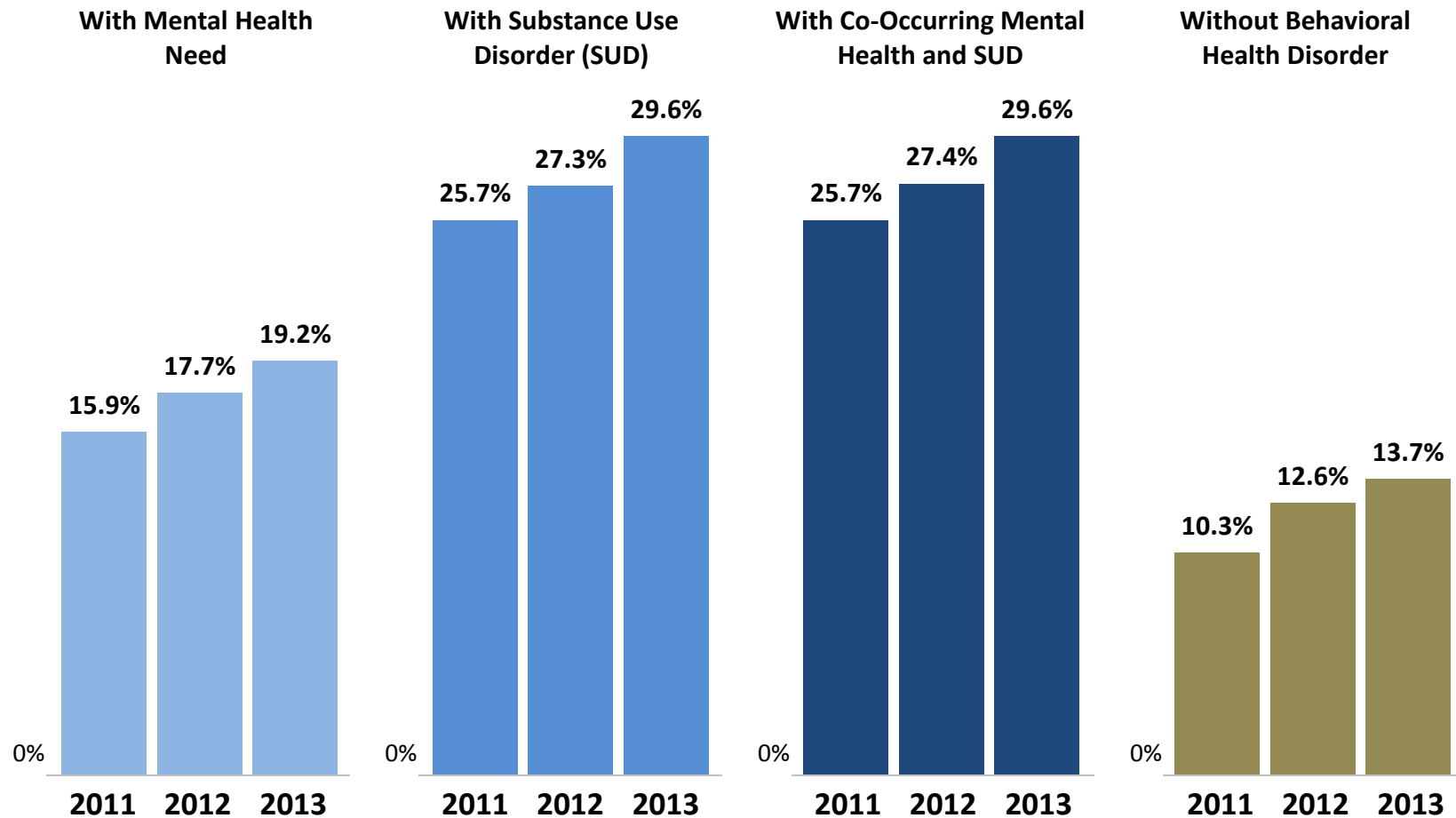
SOURCE: DSHS Research and Data Analysis Division, *Managed Medical Care for Persons with Disabilities and Behavioral Health Needs: Preliminary Findings from Washington State*, JANUARY 2015.



# Percent Homeless

Disabled Medicaid Adults Ages 18 – 64 (Excludes Duals)

## ► Individuals with behavioral health conditions are more likely to be homeless



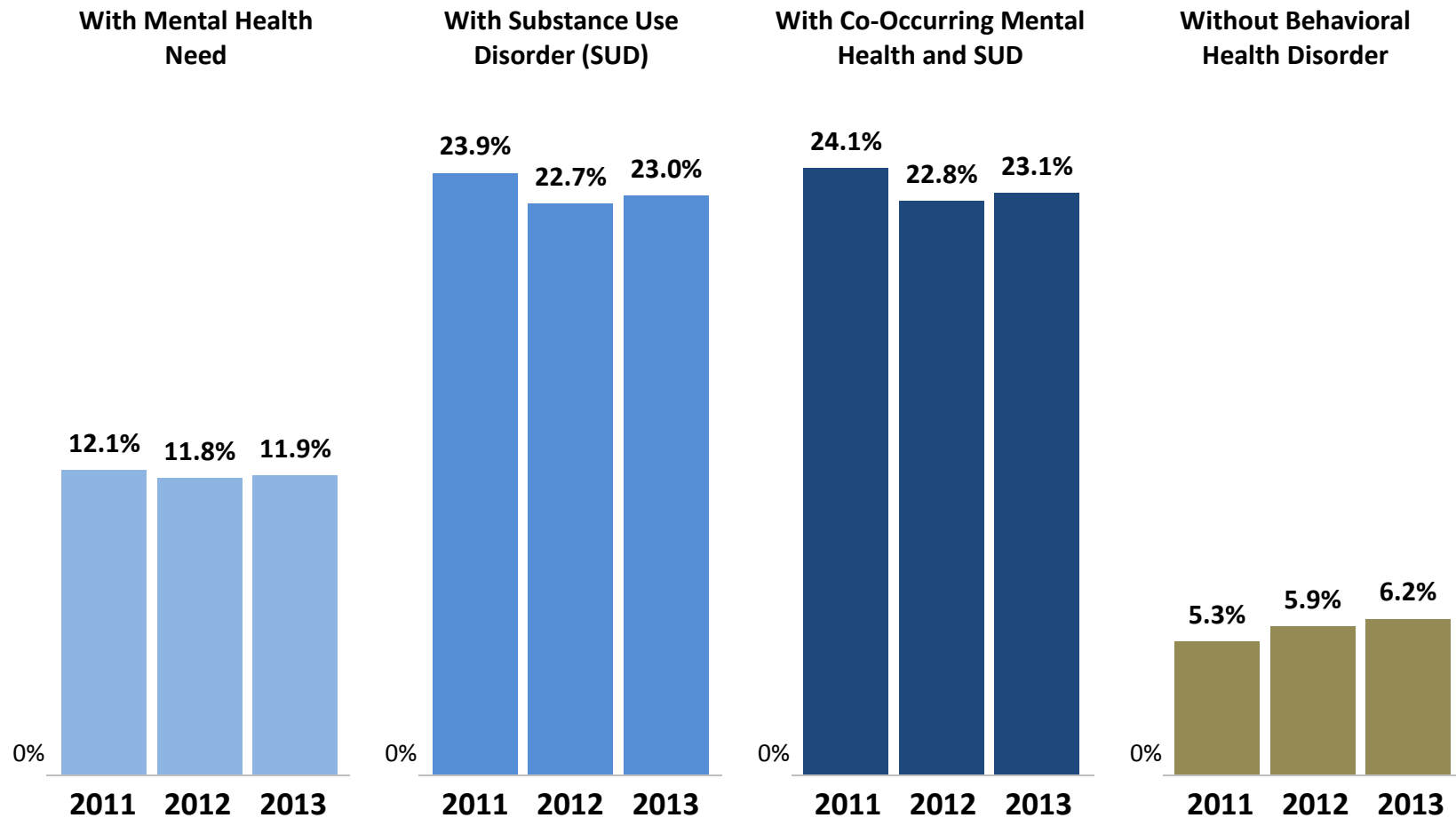
SOURCE: DSHS Research and Data Analysis Division, *Managed Medical Care for Persons with Disabilities and Behavioral Health Needs: Preliminary Findings from Washington State*, JANUARY 2015.



# Percent with Arrests

Disabled Medicaid Adults Ages 18 – 64 (Excludes Duals)

## ► Individuals with substance abuse issues are much more likely to be arrested



SOURCE: DSHS Research and Data Analysis Division, *Managed Medical Care for Persons with Disabilities and Behavioral Health Needs: Preliminary Findings from Washington State*, JANUARY 2015.







Questions?

<http://www.dshs.wa.gov/rda/>

