

# HIV Care and Treatment Service Utilization Data

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Commission on HIV

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# Presentation Overview

- What are service utilization data?
- How data are collected
- How data are analyzed and reported
- What are the uses of these data?
- What are the limitations of the data?
- Summary of YR 19 (FY 2009) Service Utilization Data



# What Are Service Utilization Data?

*They are information about:*

- *Services funded by OAPP*
- *Services provided by OAPP-contracted care providers*
- *Services used by PLWH in OAPP-funded system of care*



# What Are Service Utilization Data?

*They can tell you:*

- What services are funded with what level of investment
- Who is served in the system of care
- Who accesses what services; where; how frequently



# What Are Service Utilization Data?

*Combined with other information, they can tell you:*

- Level of compliance in terms of SOC, contract requirement, and performance measures
- Whether services are meeting the needs
- Whether services are improving health outcomes



# Service Utilization Data Collection

## *Providers:*

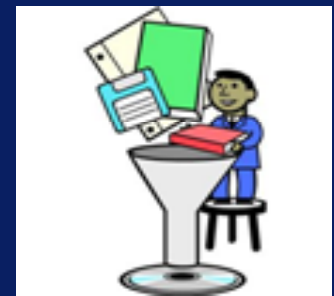
- Document client info and service encounters
- Report client and service info
  - Directly enter data in Casewatch
  - Transfer data to Casewatch from their own health IT systems
  - Via monthly reports to OAPP



# Service Utilization Data Collection

## *OAPP:*

- Unduplicate records based on client unique record number (URN)
- Request missing data
- Clean and validate data
- SAS analyses of data extractions



# Service Utilization Reporting

- Mandated reporting to funders
  - HRSA HIV/AIDS Bureau
    - Ryan White client data reporting (RDR; RSR)
    - Conditions of Awards
  - State Office of AIDS
    - Ryan White client data reporting
    - Contract requirements



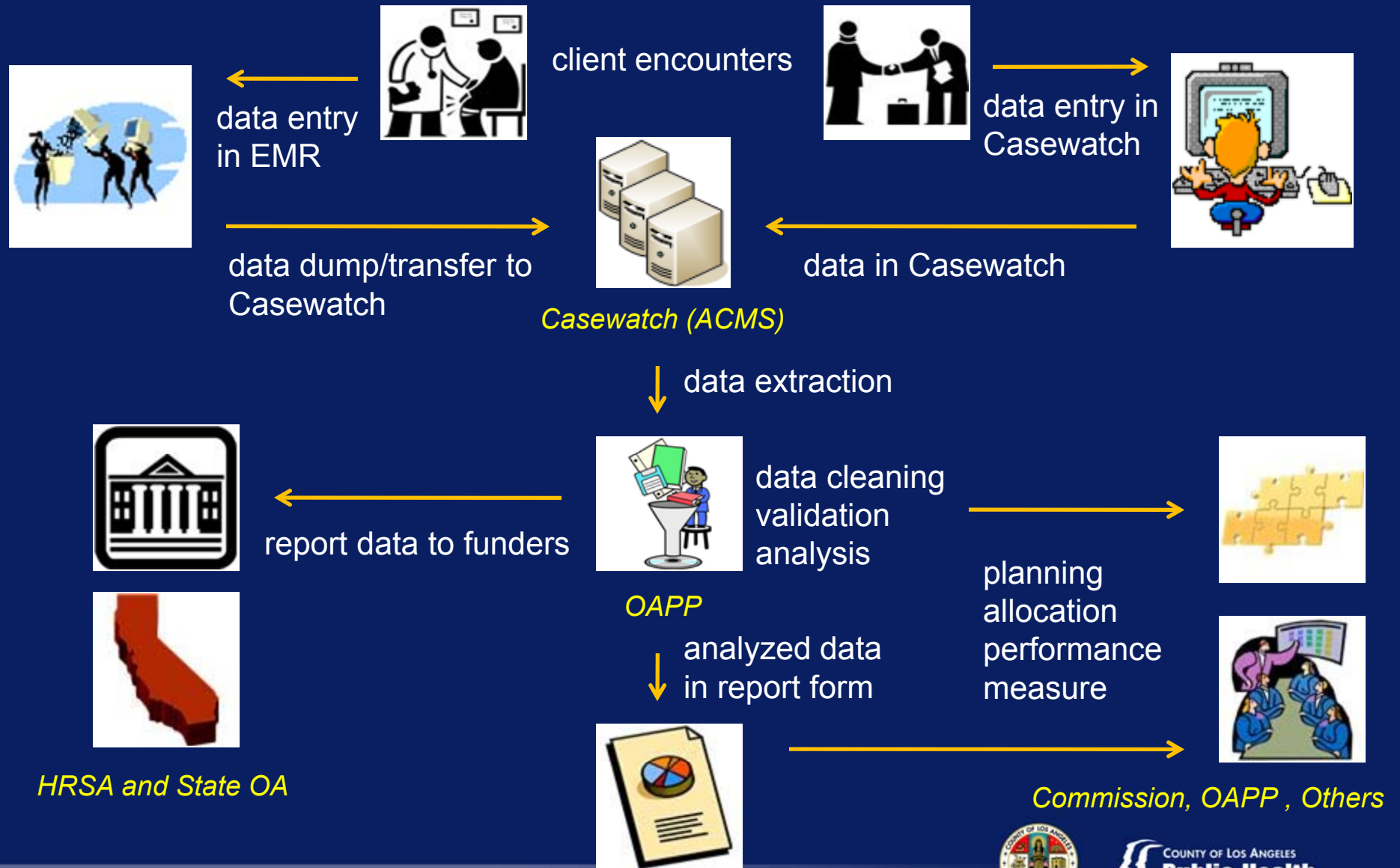


# Service Utilization Reporting

- Local reporting for planning
  - Annual service utilization report
    - March each year
    - <http://www.lapublichealth.org/aids>
  - Commission priorities and allocations
    - Year-end service utilization
    - Ongoing service utilization for specific service categories
  - OAPP planning and allocations
  - Other community planning activities



# Service Utilization Data Flow



# Uses of Service Utilization Data

- Mapping client distribution in relation to service sites
- Detect gaps in services
- Project trends and service needs
- Assess unmet need (not in care)
- Improve services



# Uses of Service Utilization Data

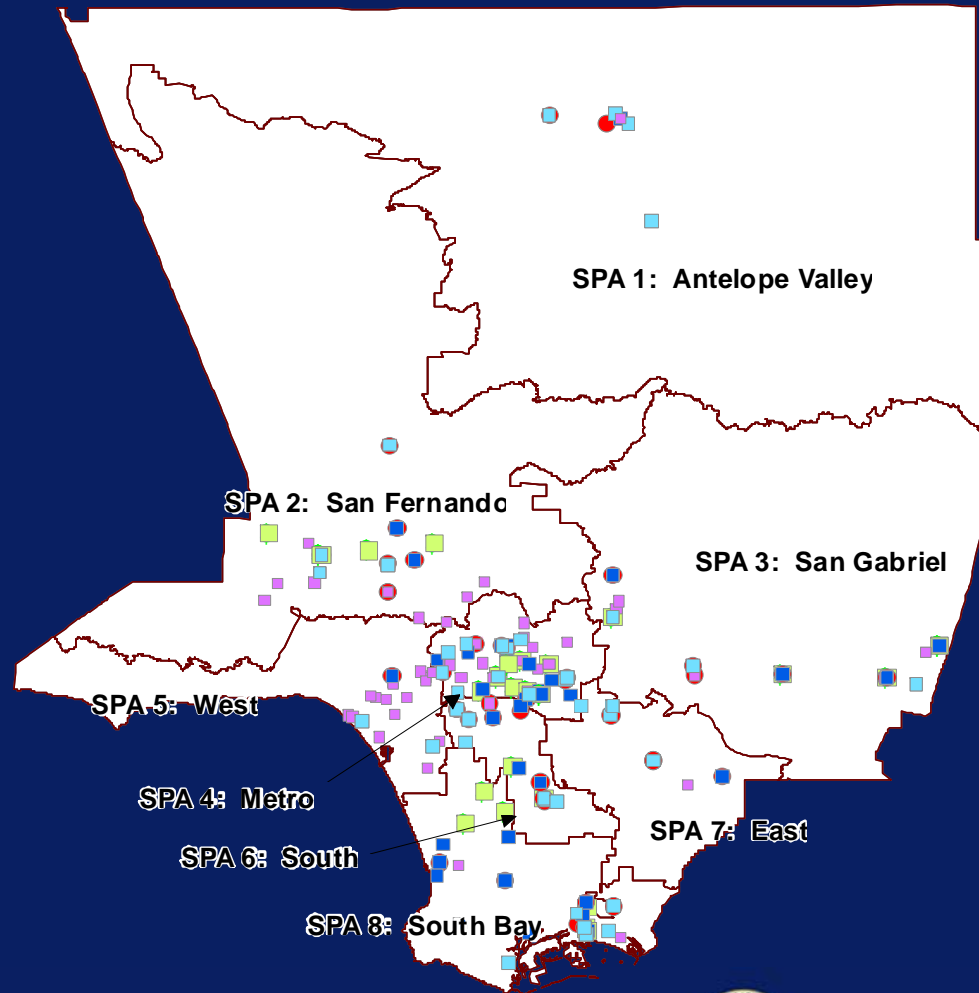
## *Example: Care Service Delivery Sites, 2008*

**Legend**

**Ryan White Care Sites**

- Case Management Services
- Housing Services
- Medical Case Management
- Medical Nutritional Therapy
- Mental Health Services
- Outpatient/ambulatory Med Svcs
- Treatment Adherence Services

□ SPA

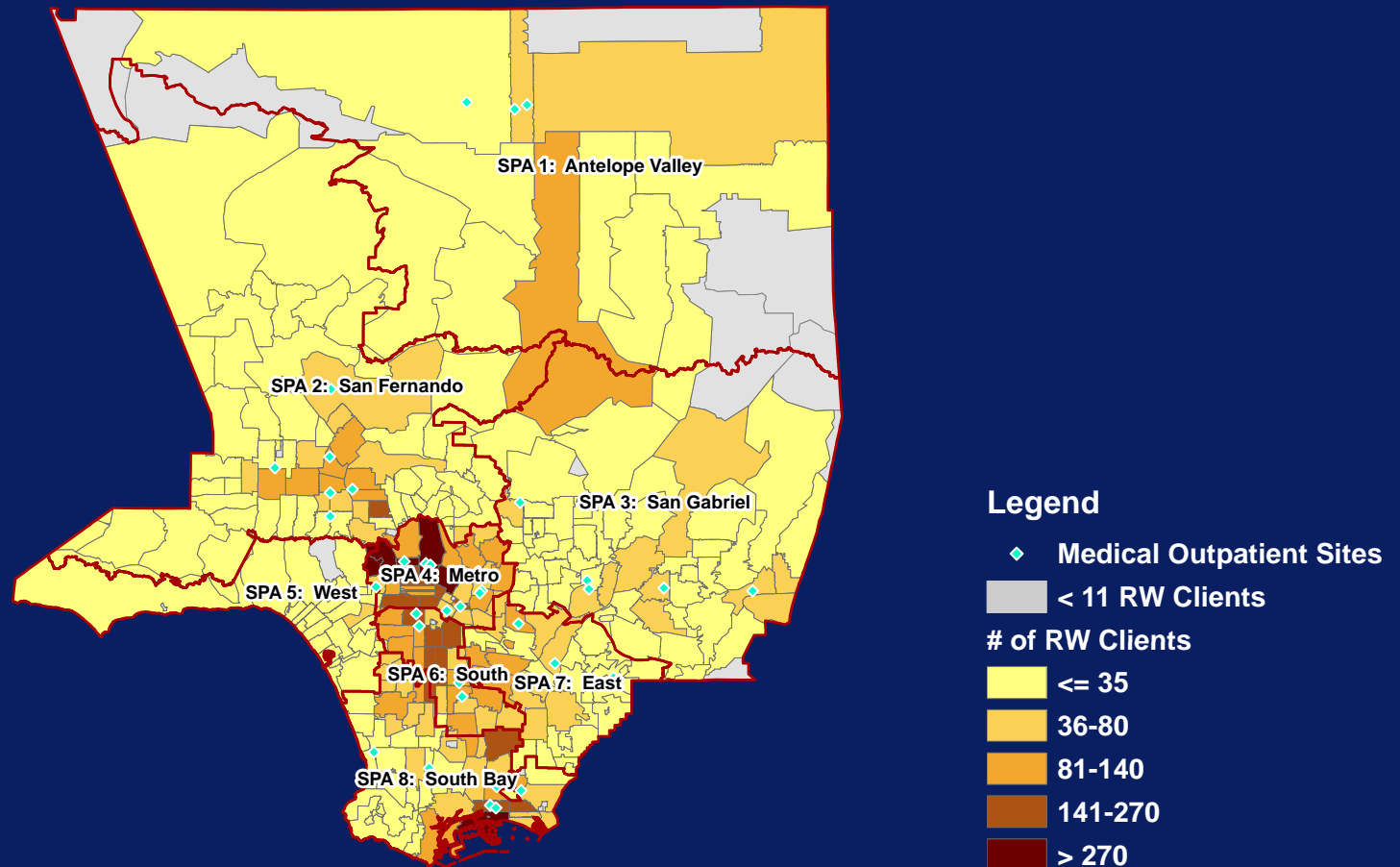


Source: Casewatch, 2008,



# Uses of Service Utilization Data

## *Example: Distribution of Clients by Resident Zip-code in Relation to OAPP Medical Outpatient Sites*

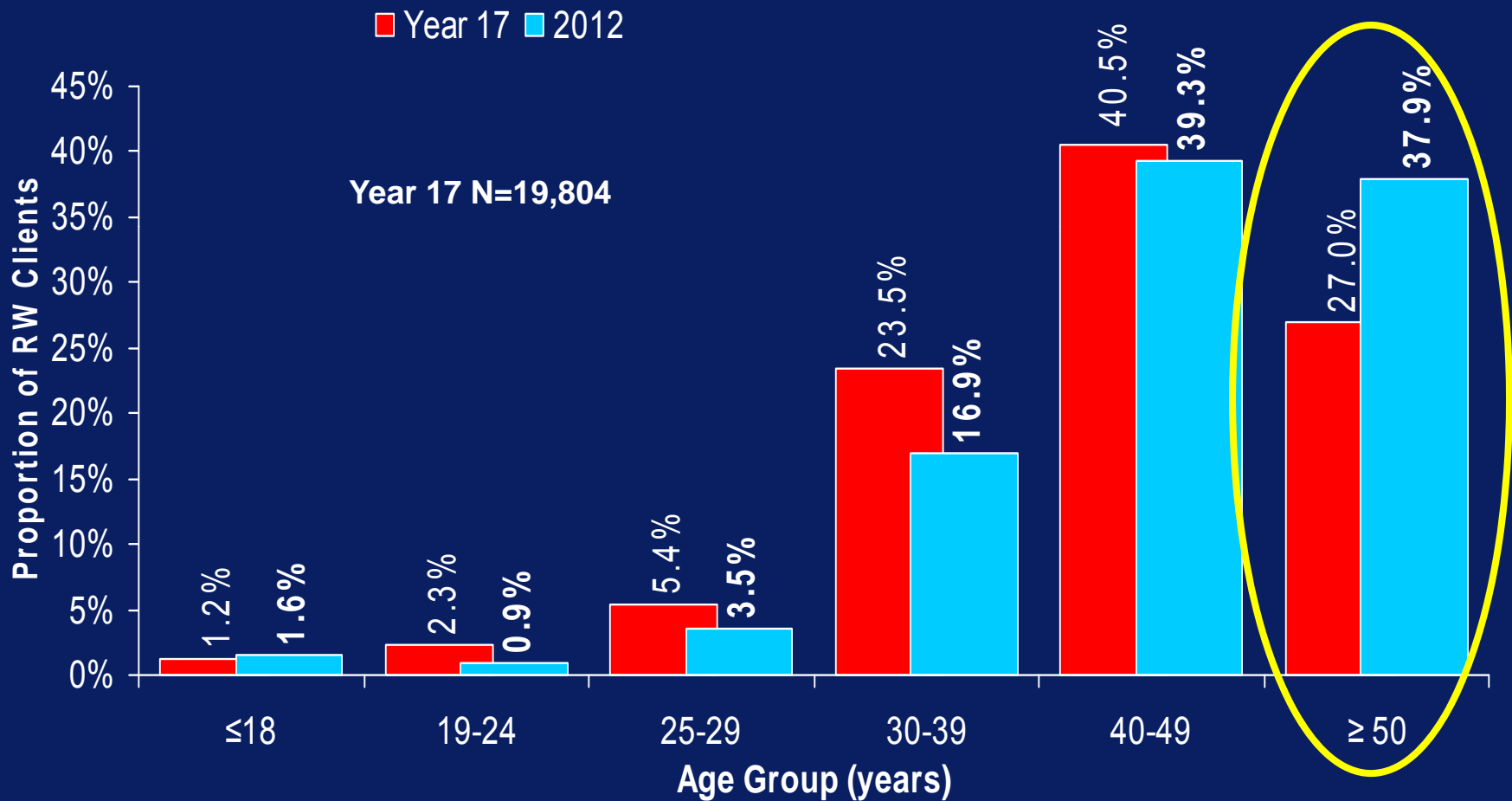


Source: Casewatch YR 19 (March. '09 – Feb. '10):  
Limited to Zip-Codes w/ > 10 RW clients.



# Uses of Service Utilization Data

*Example: Projected LAC Clients  $\geq 50$  years in 2012*

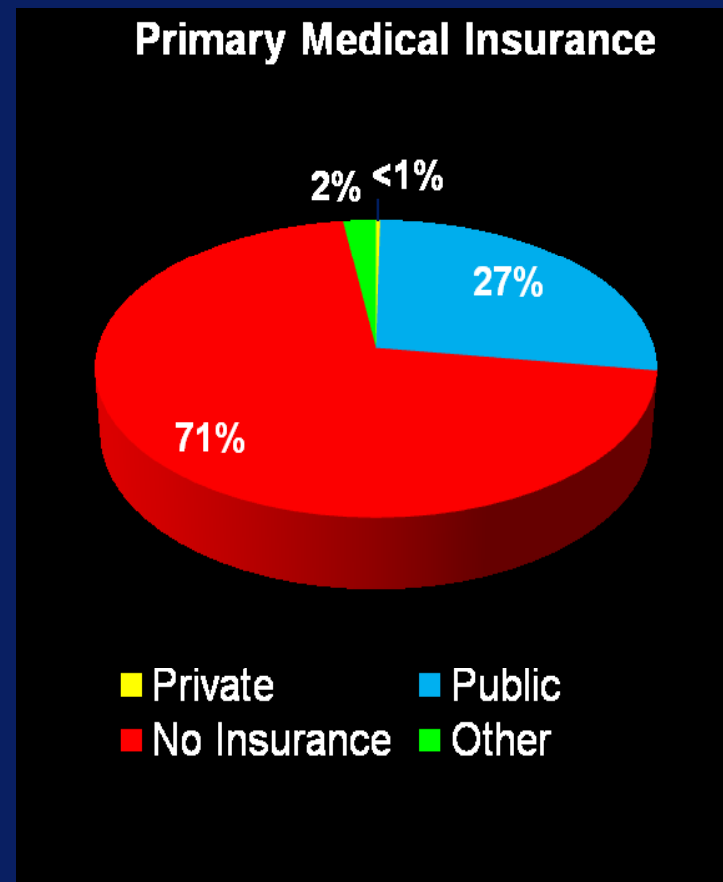
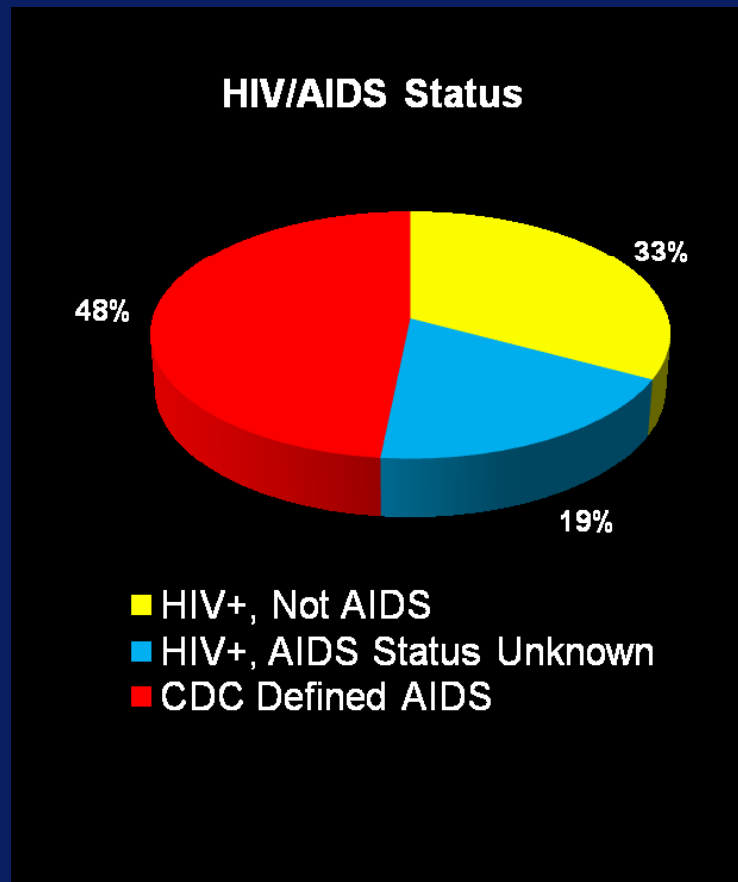


Data Source: Casewatch Year 17 (March 2007 – Feb 2008)



# Uses of Service Utilization Data

## *Example: Transitional Case Management Client Profile*



Data Source: Casewatch Year 18 (March 1, 2008 – February 28, 2009)

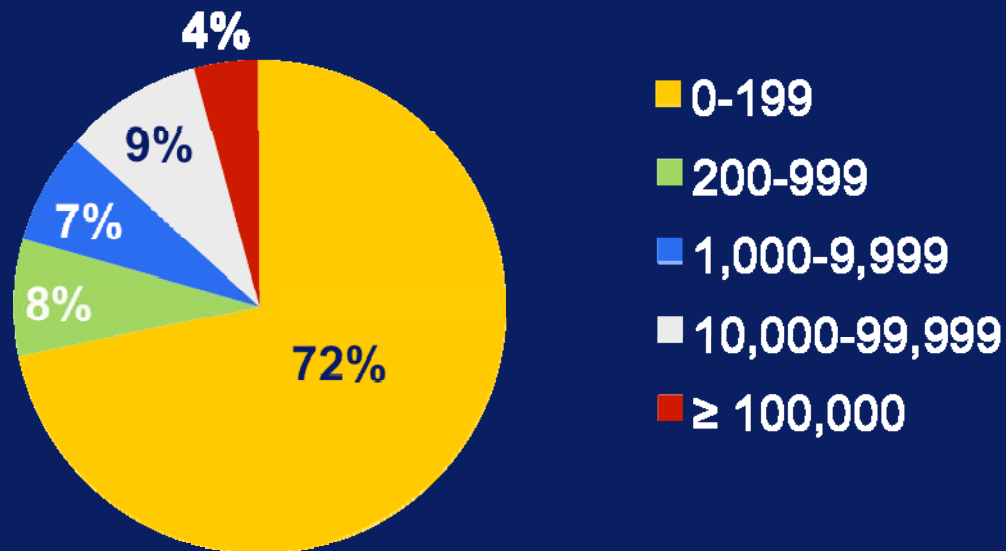


# Uses of Service Utilization Data

## *Example: HIV-1 Viral loads among RW Clients*

- 14,875 RW clients database had 1 or more medical outpatient (MOP) visit in YR 19.
  - Of that, 12,725 (~86%) had at least one viral load test during that year.

**N = 12,725**



Source: Casewatch YR 19 (March . '09 – Feb. '10):  
Data limited to RW Client w/ 1 or more MOP visit





# Year 19 Service Utilization Data

Total clients	18,545
Clients who had at least one medical visit	14,875 (80%)

Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Service Utilization Data

<i>Service Category</i>	<i>No. Clients Served</i>	<i>% Clients Served</i>
Medical Outpatient	14,875	80%
Psychosocial Case Management	4,180	23%
Oral Health Care	2,967	16%
Nutrition Support	2,576	14%
Mental Health Psychotherapy	2,345	13%
Medical Case Management	2,093	11%
Mental Health Psychiatry	1,917	10%

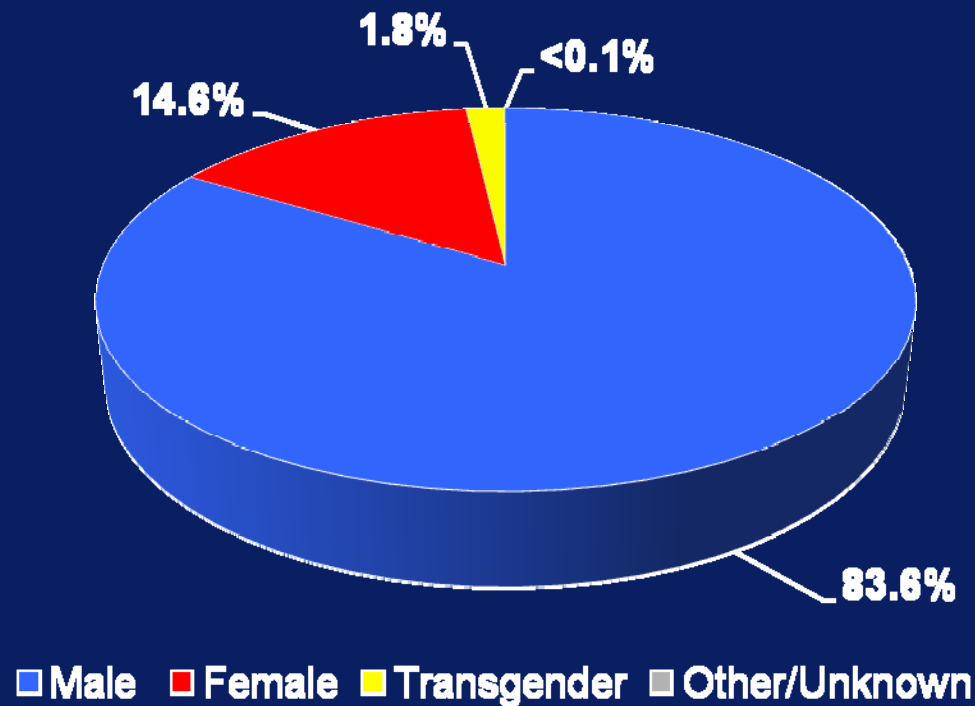
Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## Gender

N = 18,545

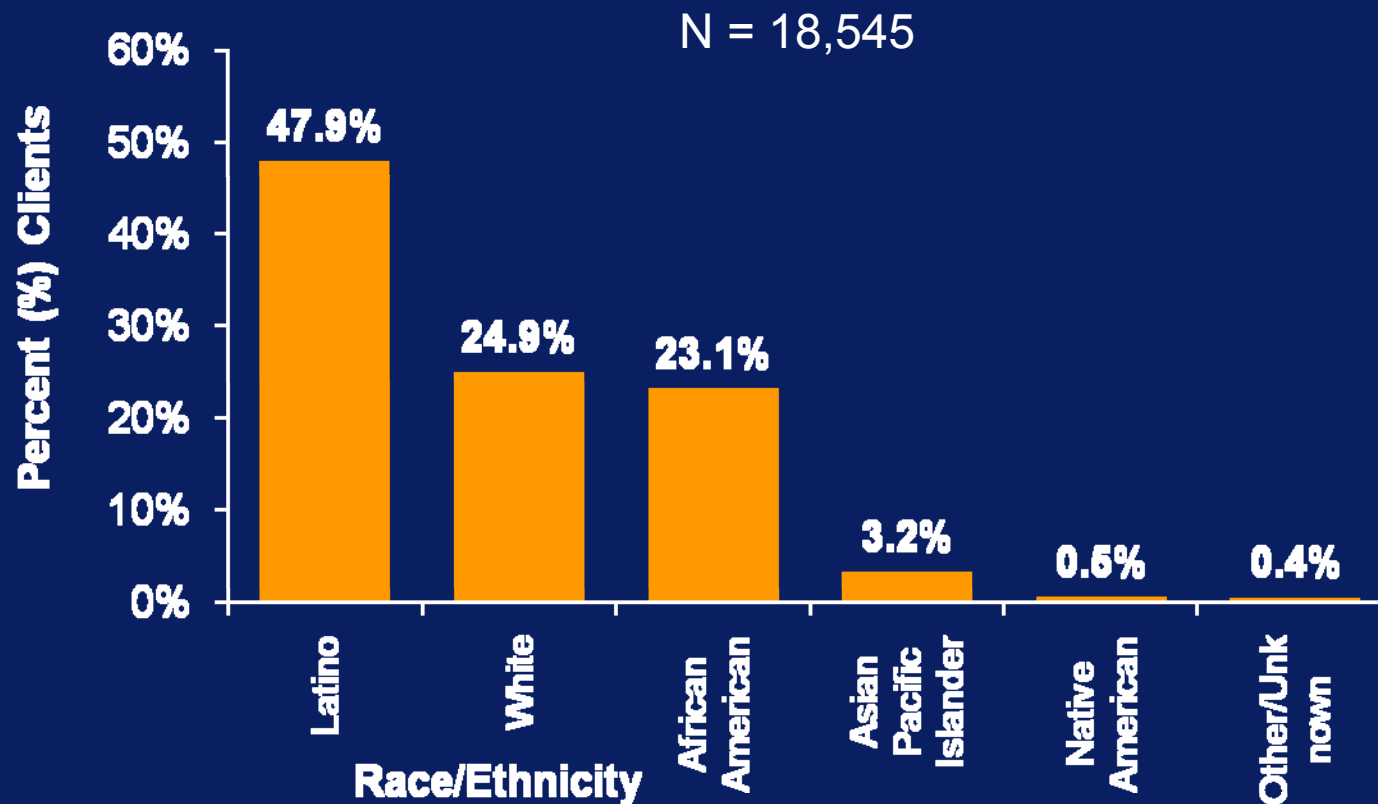


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## Race/Ethnicity



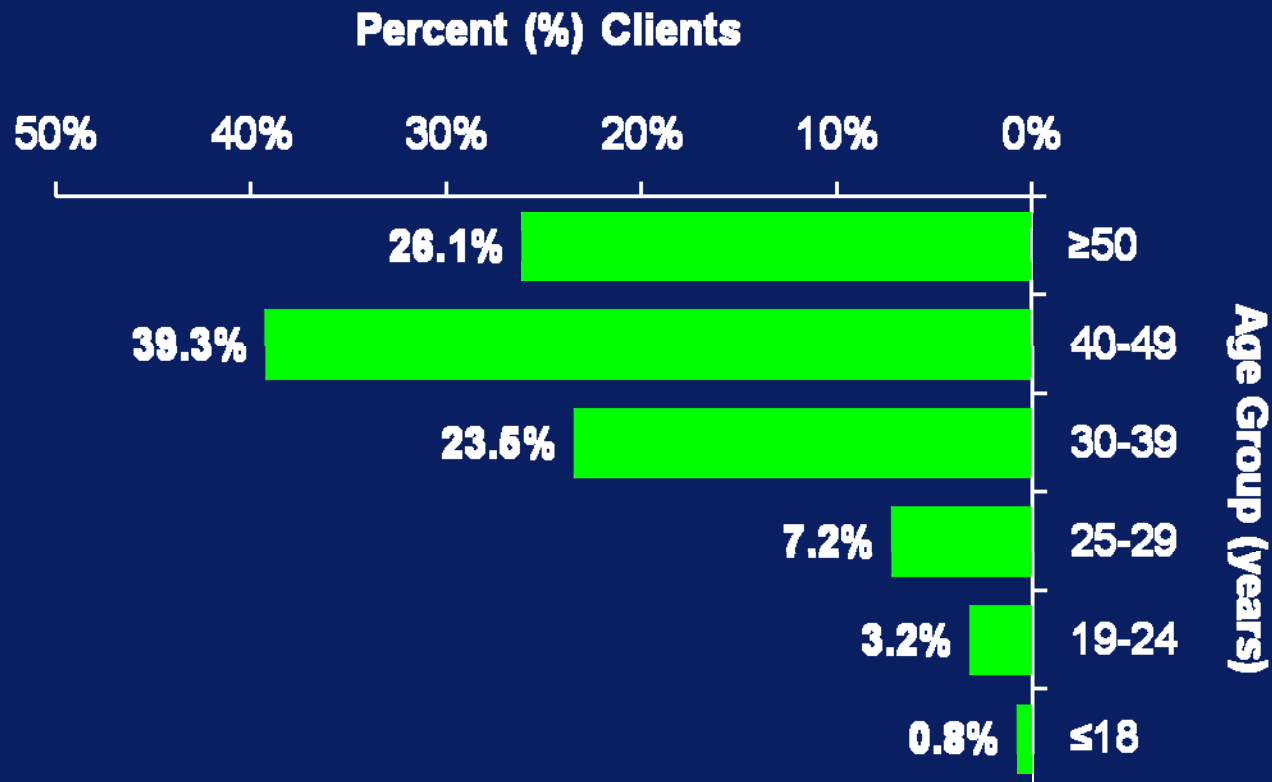
Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

Age

N = 18,545



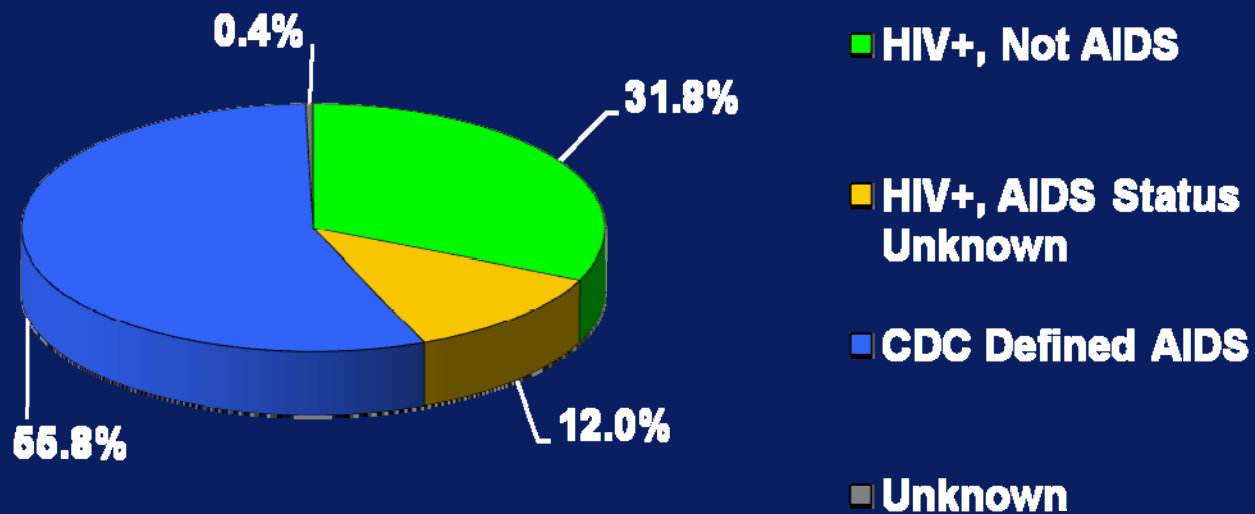
Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## HIV/AIDS Status

N = 18,545

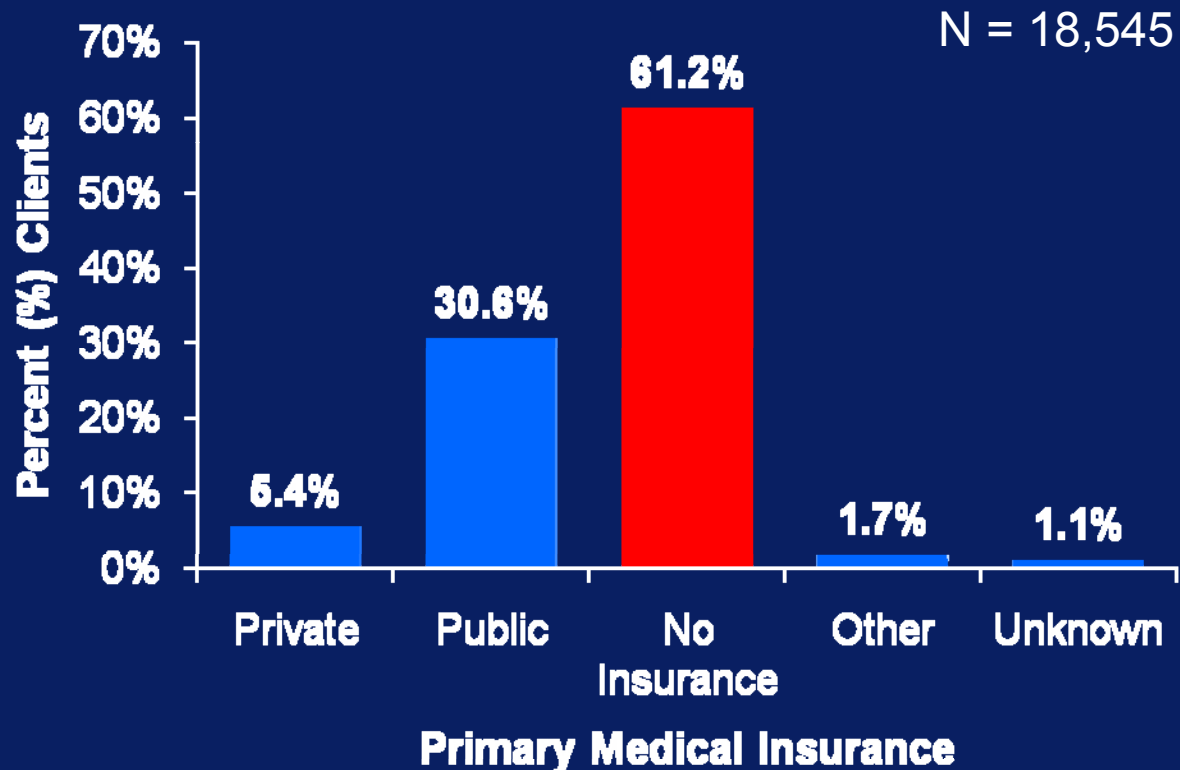


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## Insurance Status



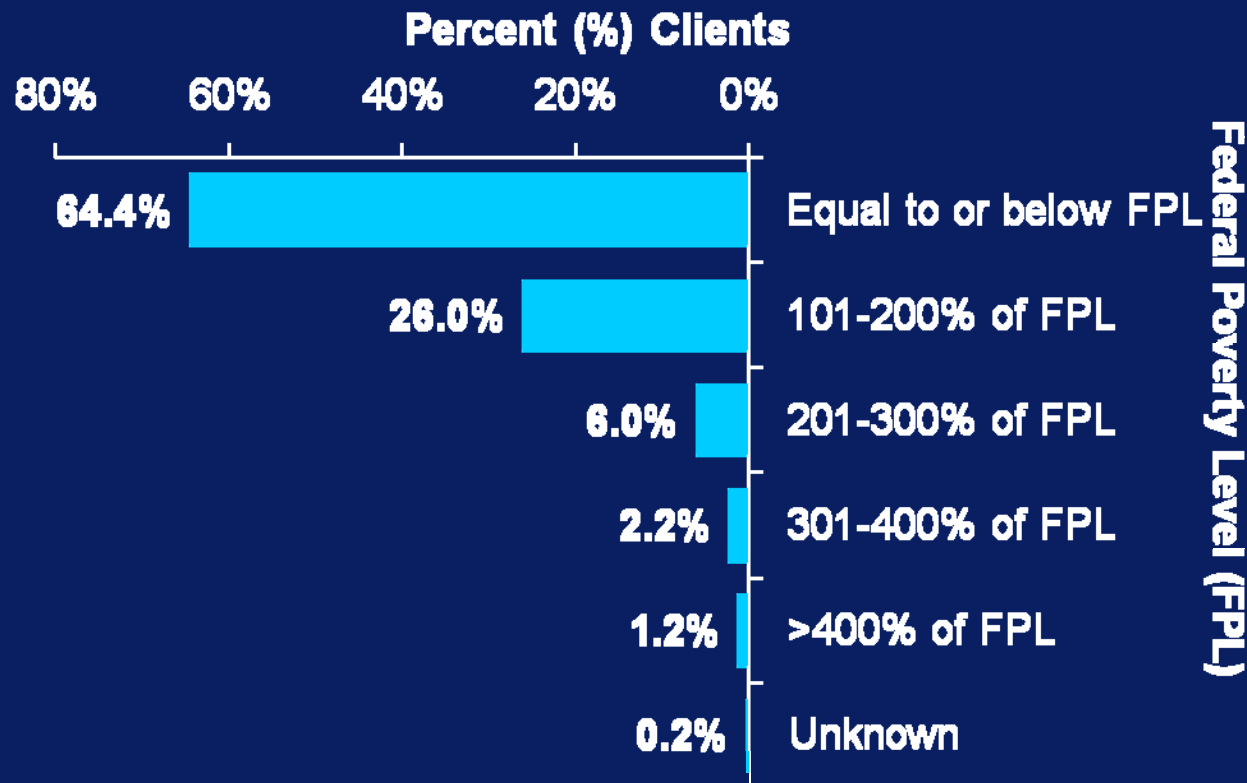
Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## Income Level

N = 18,545



Data Source: Casewatch Year 19 (March 2009 – February 2010)

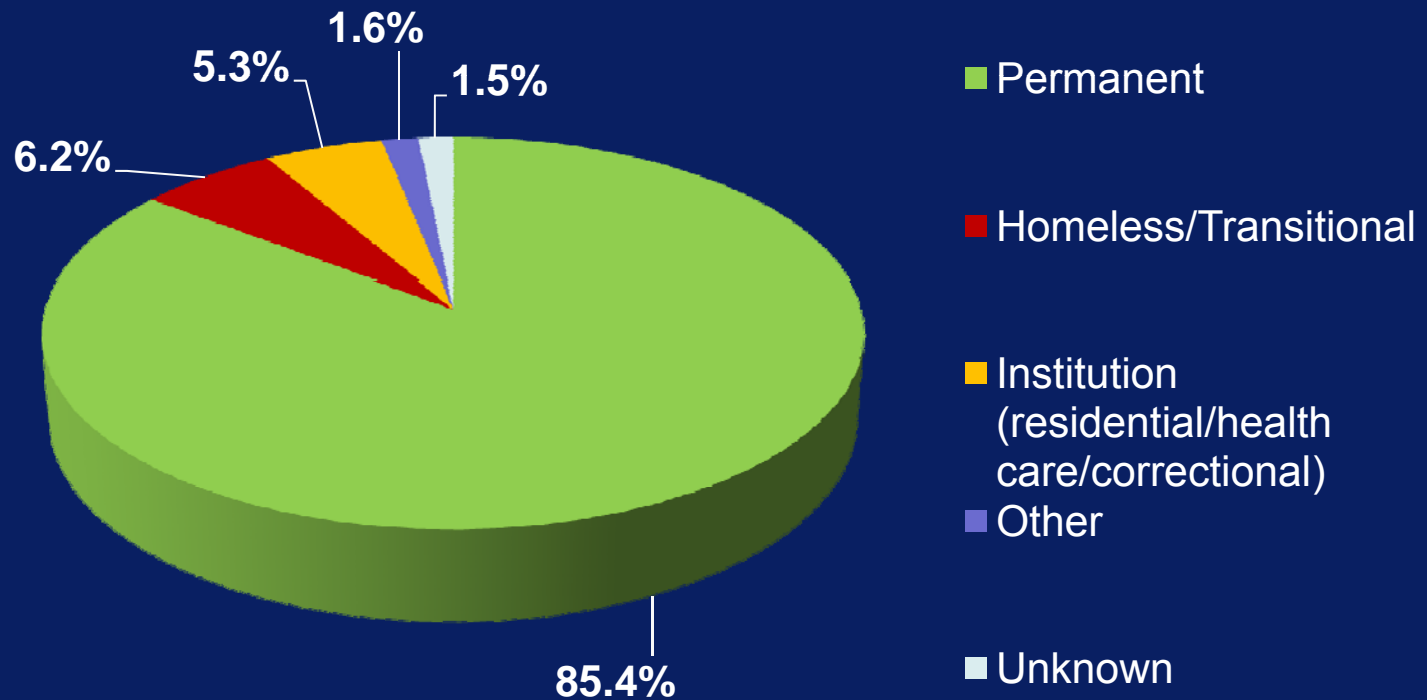




# Year 19 Data – Client Profile

## Housing/Living Situation

N = 18,545

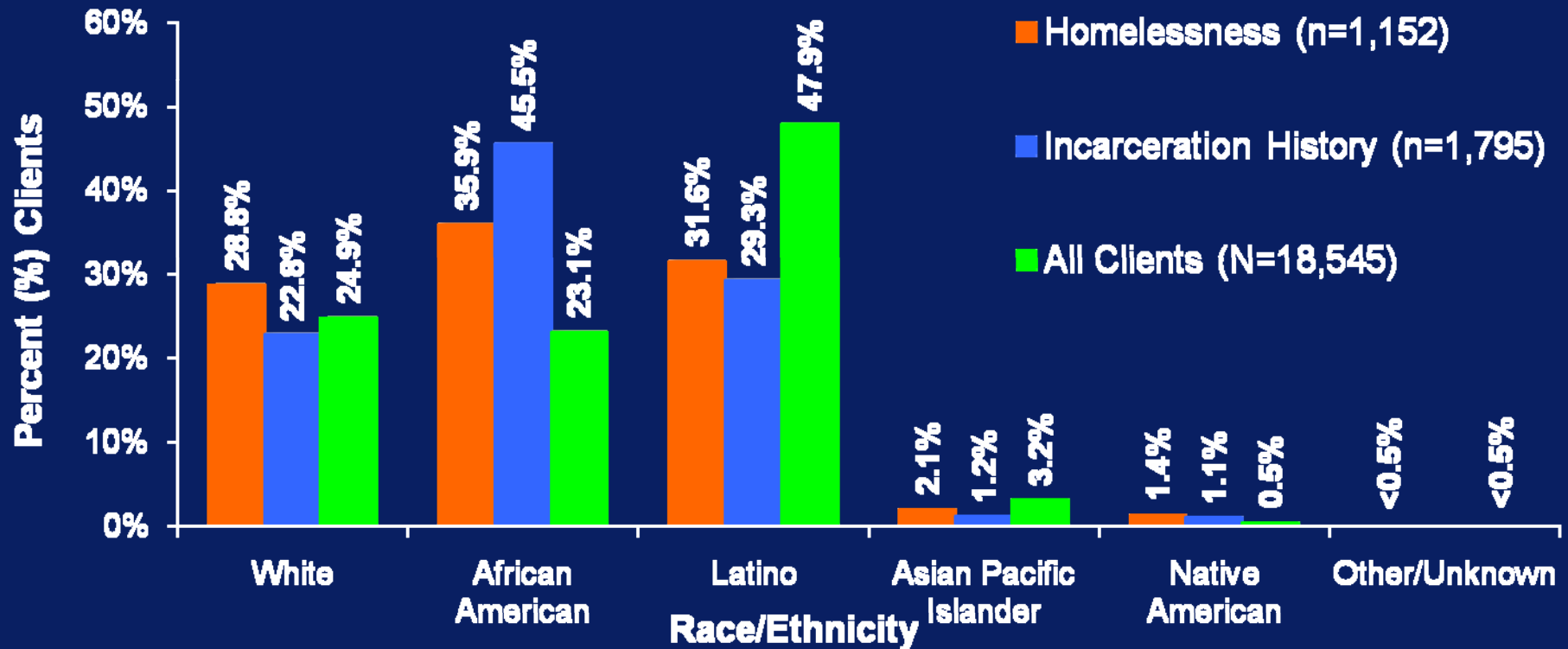


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Profile

## Homeless, Incarcerated and All Clients by Race/Ethnicity

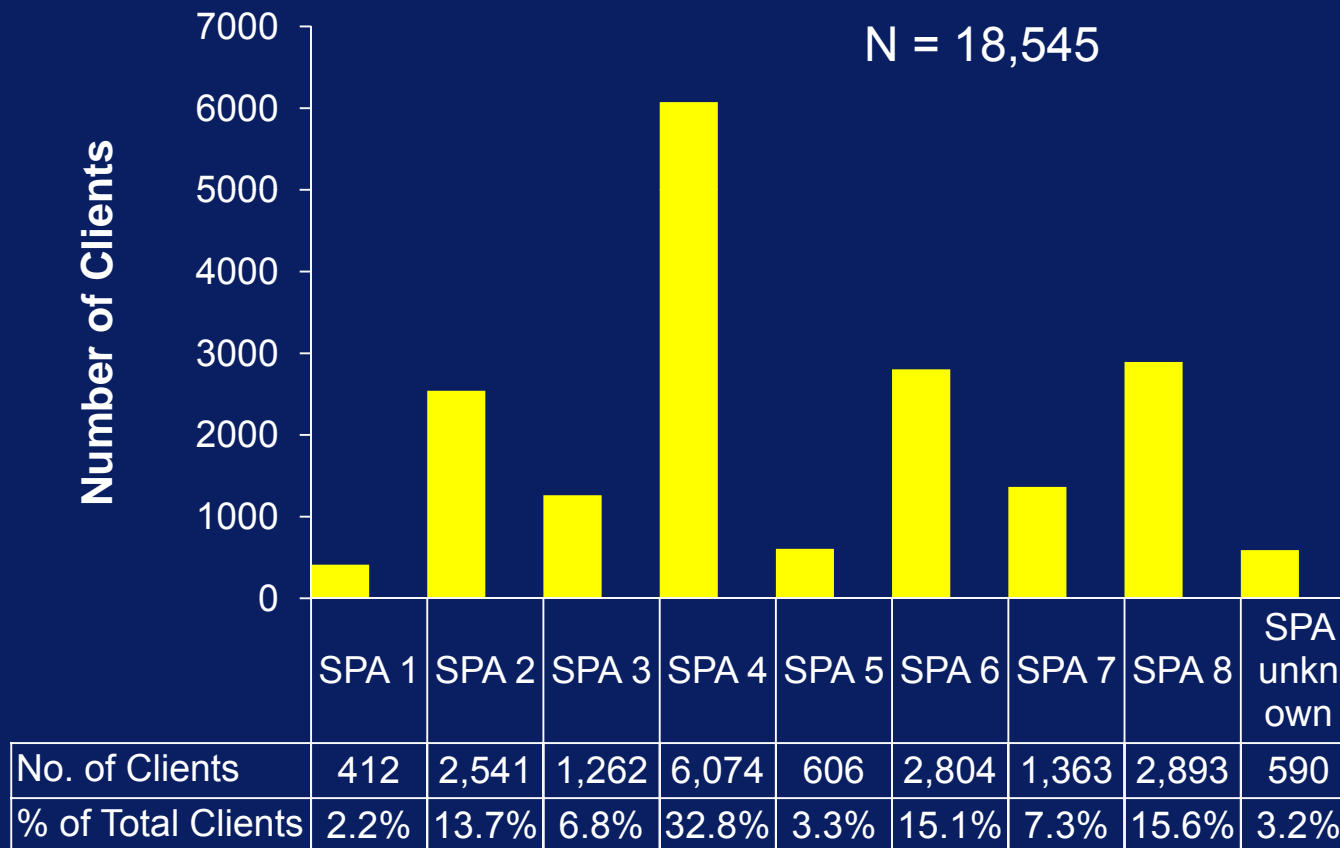


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Data – Client Distribution

## Client Distribution by Residence SPA

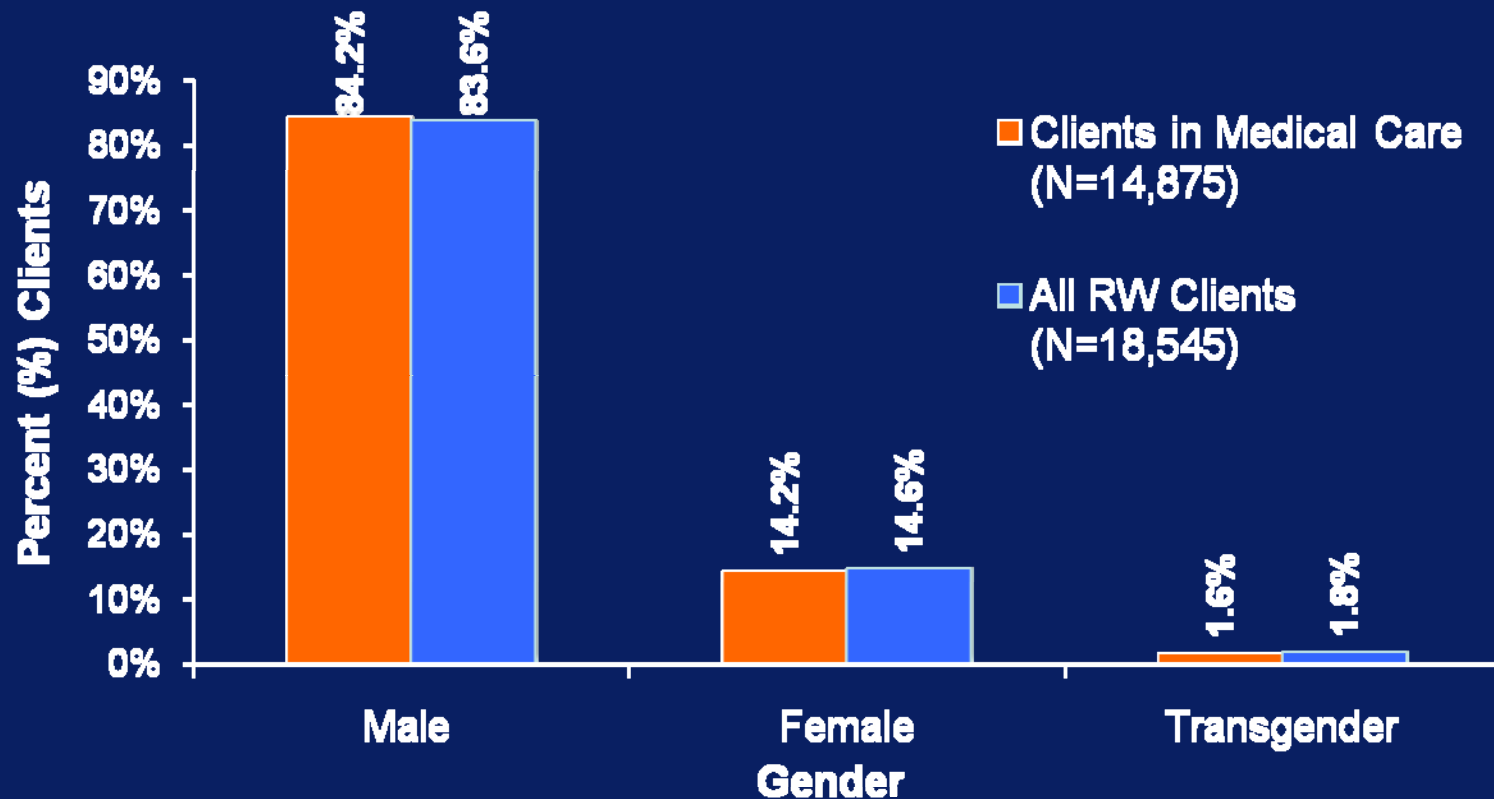


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Clients in Medical Care

## Gender – compared with all clients

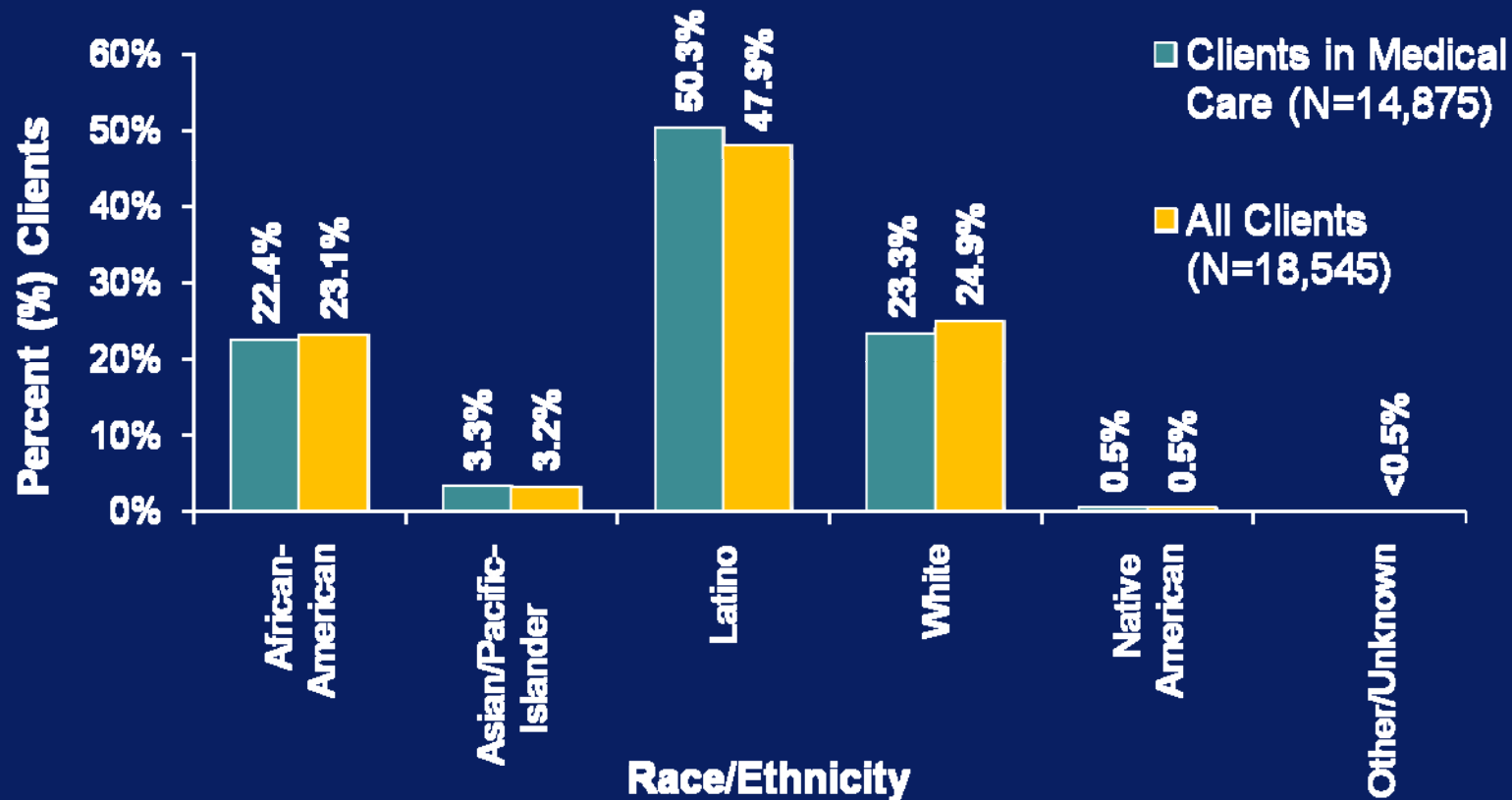


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Clients in Medical Care

## Race/Ethnicity – compared with all clients

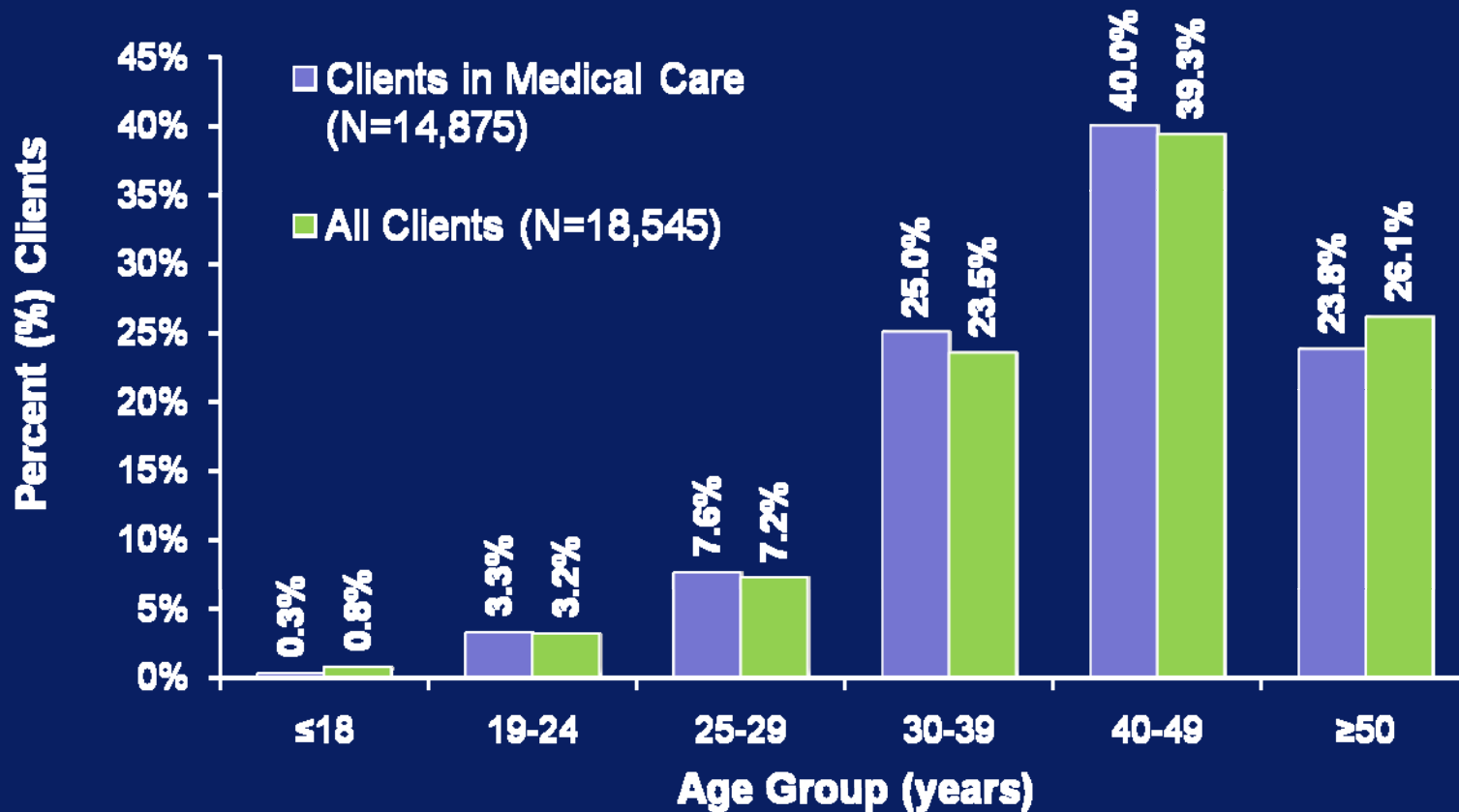


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Clients in Medical Care

## Age Group – compared with all clients

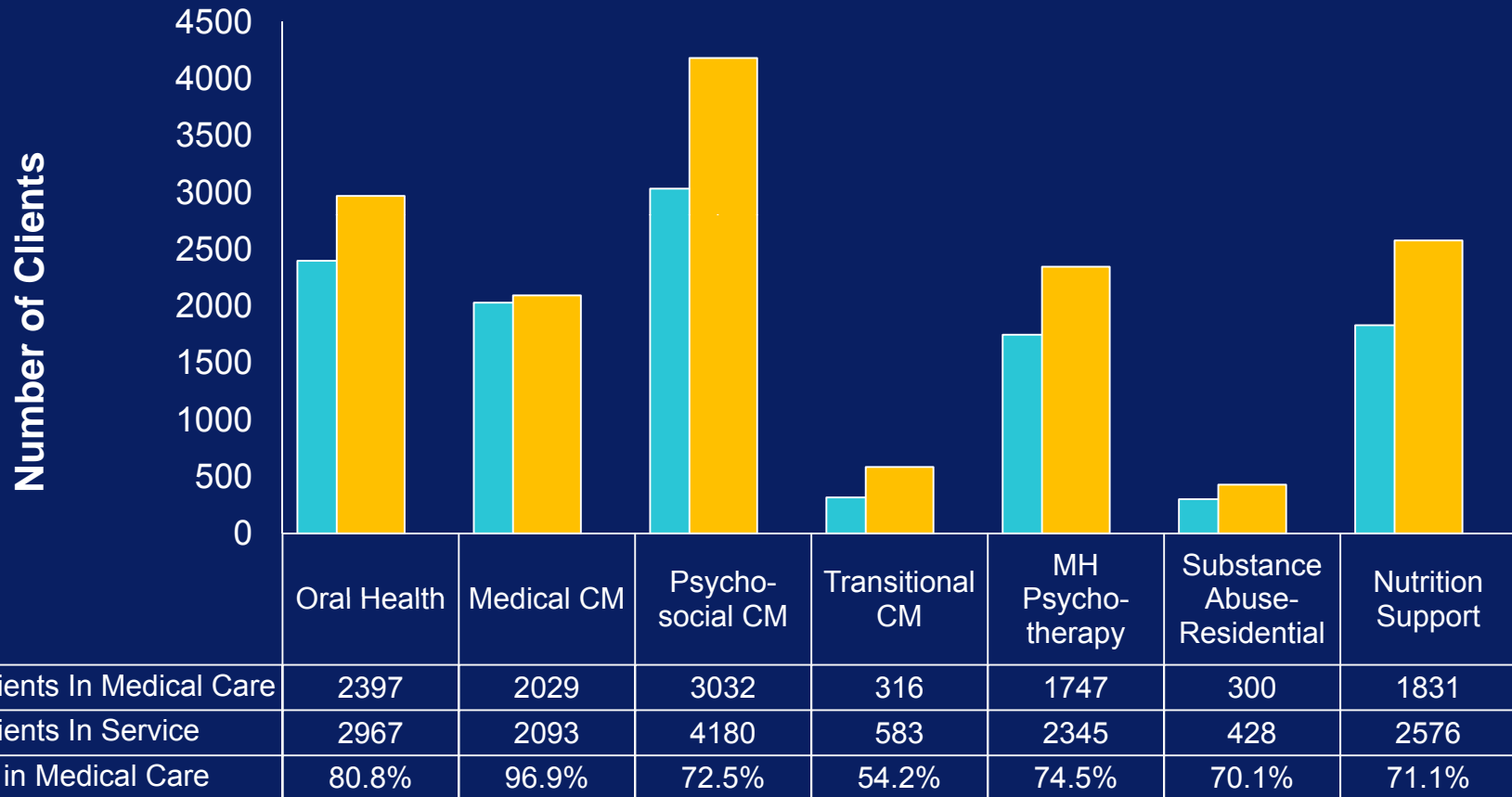


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Clients in Medical Care

## Key Service Categories

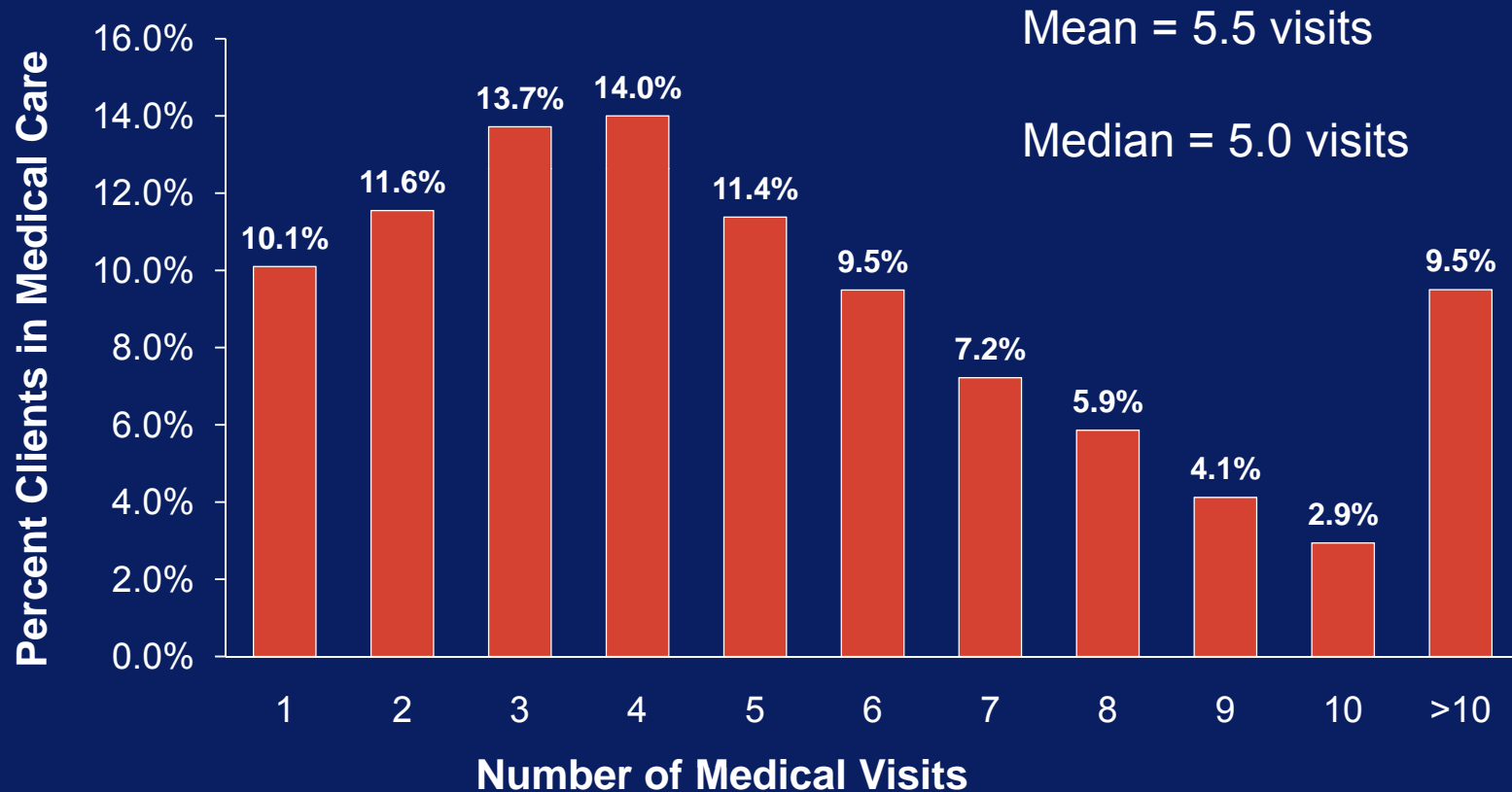


Data Source: Casewatch Year 19 (March 2009 – February 2010)



# Year 19 Clients in Medical Care

## Frequency of Medical Visits



Data Source: Casewatch Year 19 (March 2009 – February 2010)





# Service Utilization Data Limitations

- Represent service utilization at a specific point in time (date of data extraction)
  - Delay in data reporting may not include all service activities that occurred
- Clients served and services delivered should be considered in the context of financial investment/expenditures
  - by OAPP
  - Outside of system (e.g., elimination of Dental-Cal)



# Service Utilization Data Limitations

- Accuracy and completeness of data rely heavily on service providers data input
- Service units mean different things for different service categories
- Important clinical data via data transfer are still missing
- Lack a good way to identify clients who exit the care system



# Questions?



# Acknowledgement

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Min Kim

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# For More Information

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