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# DATA ANALYSIS TRAINING FOR ADVISORY BOARDS

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Training Stakeholders to Use Data  
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# CMHS System Reform Grants

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- ▶ **Mental Health Statistics Improvement Program (MHSIP)**
- ▶ **Provide data for decision support**
- ▶ **Impact service delivery system**

# California's Approach

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- ▶ **Provide statistical support to Mental Health Board members**
  - Boards have responsibilities to approve budgets, services, investigate problems
  - Boards have no support to perform these functions
  - Train members at least in the data area

# Advisory Board Members

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- ▶ **One board in each of 58 counties**
- ▶ **Similar to Statewide Planning Council in breadth of membership**
- ▶ **Three year terms**
- ▶ **Volunteers**
- ▶ **High turn over**
- ▶ **Statutory responsibilities**

# Regional Training Sessions

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- ▶ **Statewide organization of boards**
  - California Local Mental Health Board (CALMHB)
- ▶ **California Institute of Mental Health (CIMH)**
- ▶ **Workbook on the Roles and Duties of boards**
- ▶ **Training started in Fall of 1998**
- ▶ **Data track added in Fall of 1999**

# Training Session 1

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## BUDGET:

### ▶ **Purpose**

- De-mystify numbers
- Present ways of organizing and analyzing data
- Data sources
- Present statewide data - fiscal, client, and prevalence data

# Training Session 2

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## Role of Performance Indicators in System Oversight

- ▶ Presented in the data track
- ▶ Ann Arneill-Py

# Performance Indicators

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- ▶ **Definition of terms**
- ▶ **Quality Improvement Committee**
- ▶ **Statewide Planning Council**
- ▶ **Types of performance indicators**
- ▶ **Using performance indicators to evaluate county performance**
- ▶ **Outcome instruments**
- ▶ **Roles for local advocates**

# Performance Indicators from Administrative Data Systems

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- ▶ **Data sources**

- Medi-Cal (Medicaid) paid claims files
- MHSIP Consumer Surveys

# Indicators Presented

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- ▶ **Penetration Rate**
- ▶ **Medi-Cal (Medicaid) Expenditures**
- ▶ **Retention rate**
- ▶ **Access to Services**

# Penetration Rate

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▶ **Formula:**

People who use services (Clients)

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Annual Average Monthly Medicaid  
Eligibles

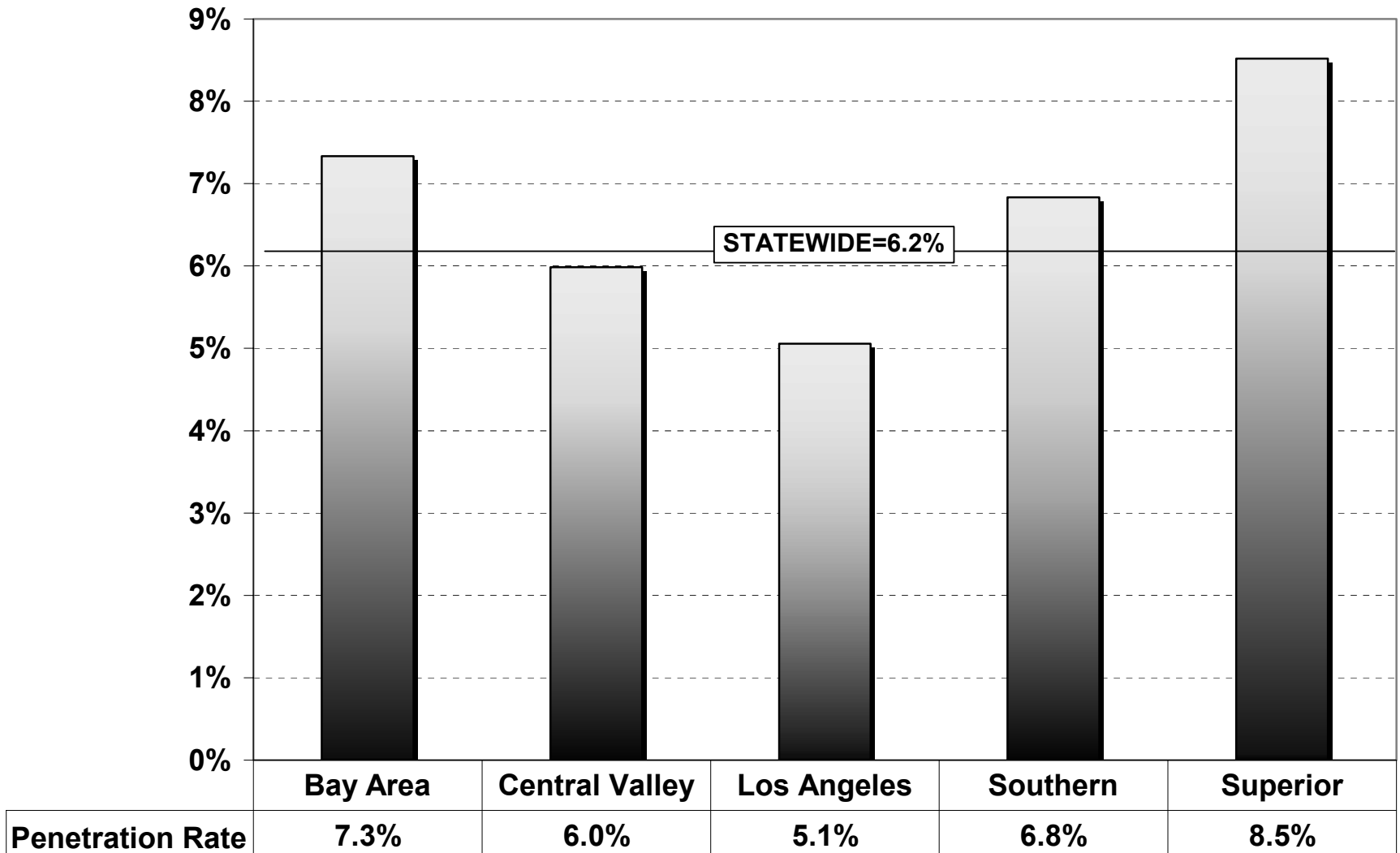
# Penetration Rate-Statewide

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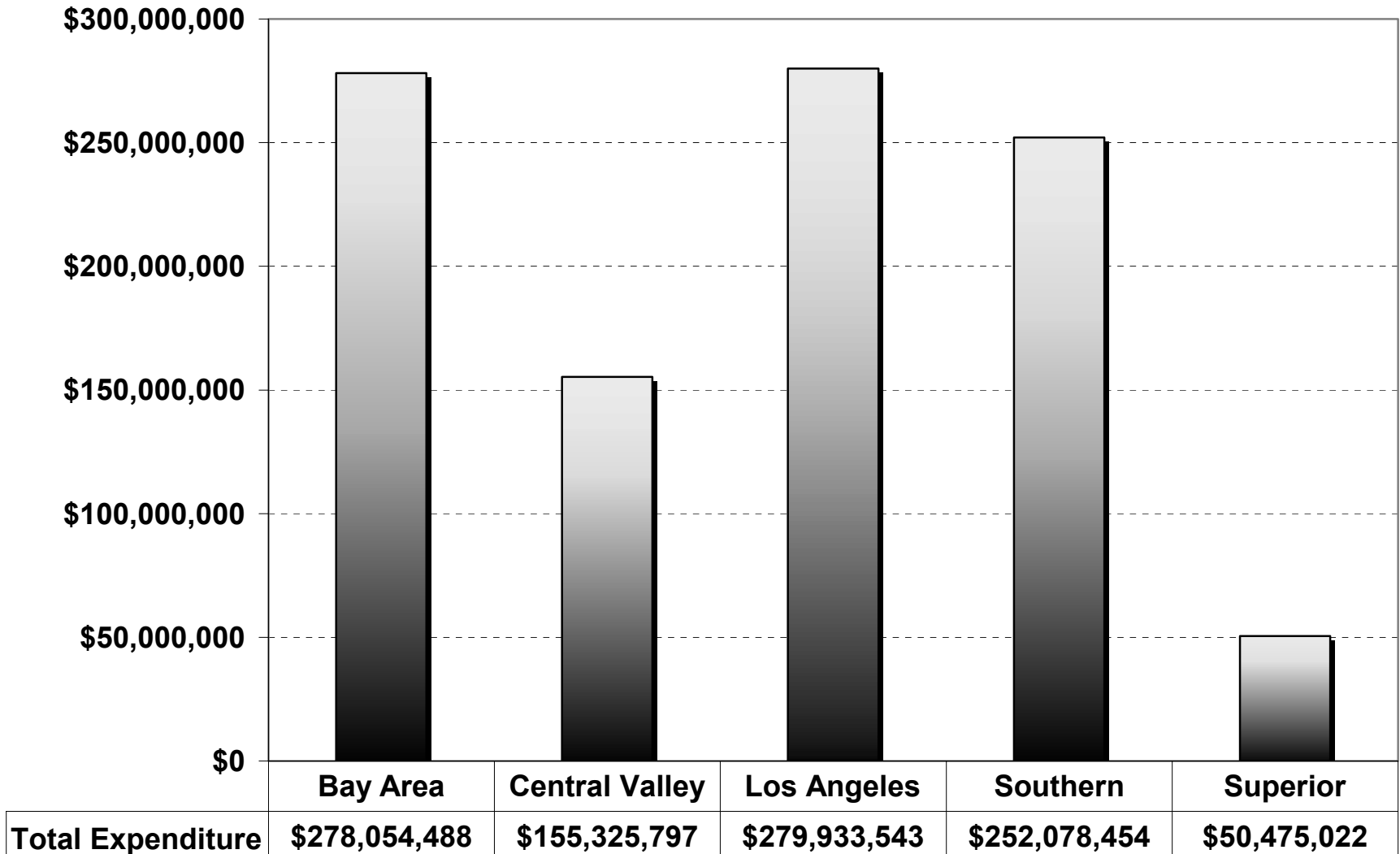
$$\frac{330,146 \text{ Clients}}{5,347,570 \text{ Medicaid Eligibles}} = 6.2\%$$

- ▶ 6.2% of people eligible for Medicaid used one or more mental health services during the year.

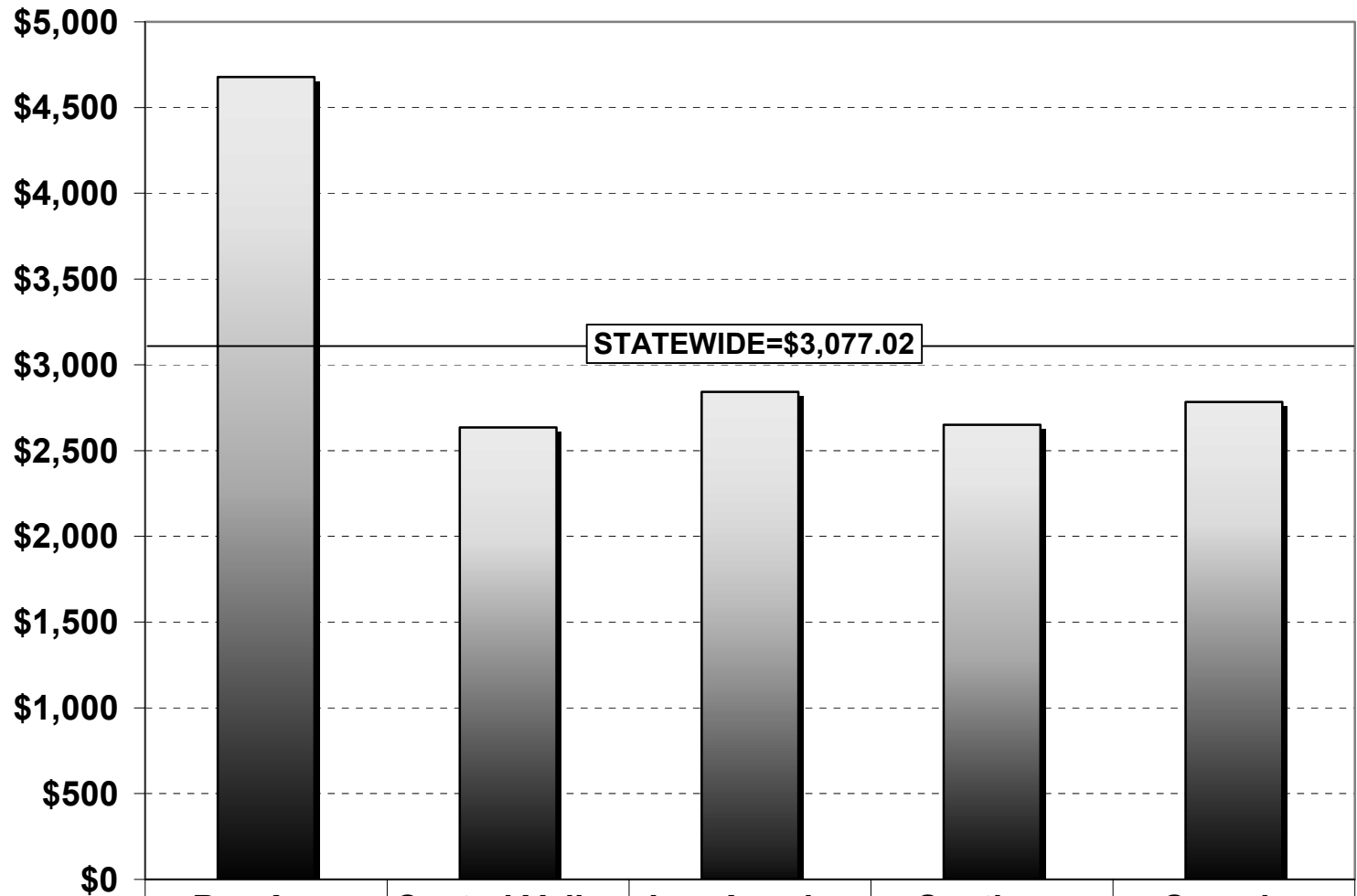
# Penetration Rate



# Medi-Cal Expenditures

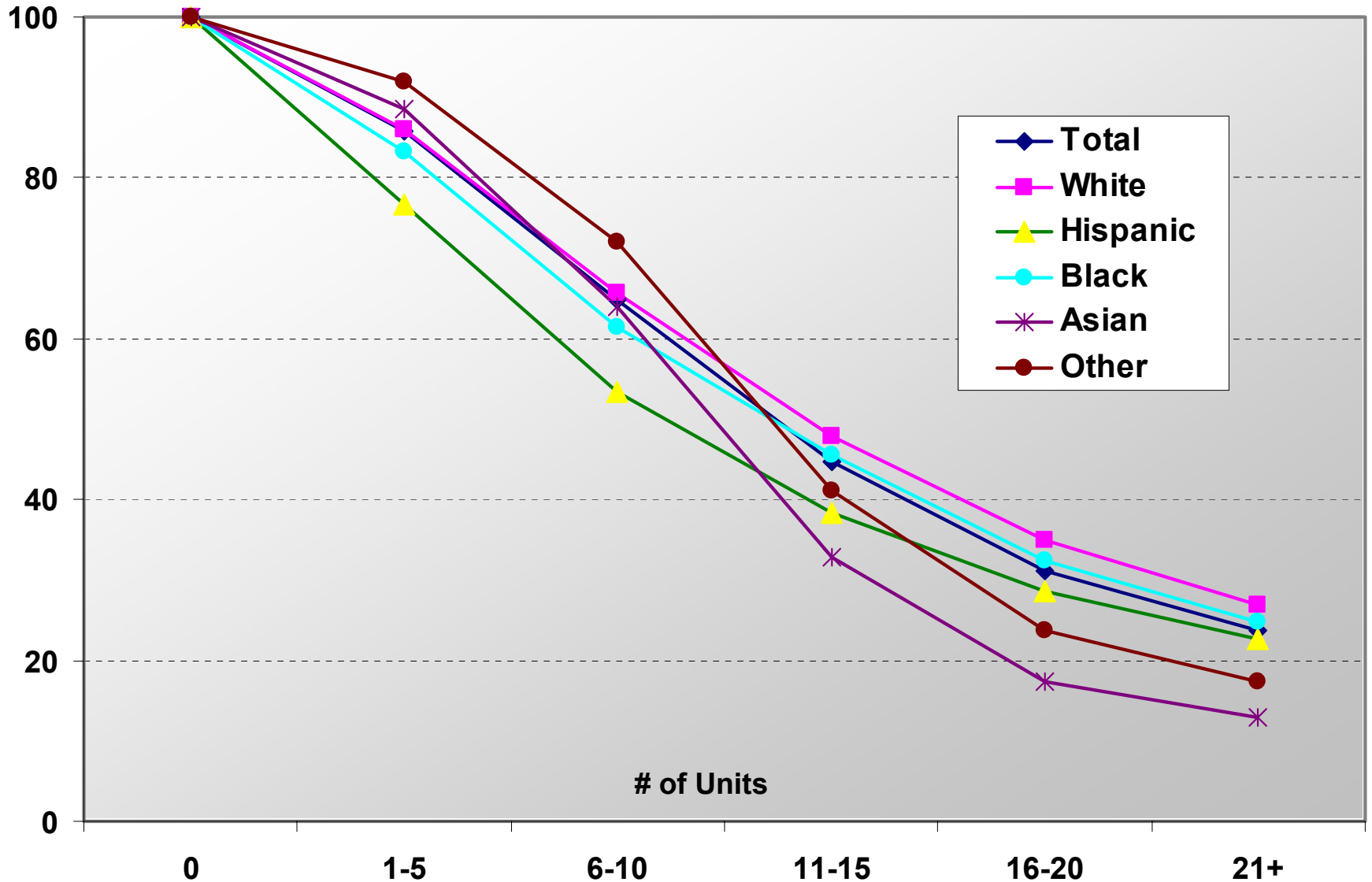


# Expenditures per Client



	Bay Area	Central Valley	Los Angeles	Southern	Superior
Expenditures per Client	\$4,677.12	\$2,634.11	\$2,842.43	\$2,650.44	\$2,782.99

# Retention Rate for Clients Receiving Follow-up Services



# MHSIP Consumer Survey

## Access Scores

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Region	Access Scores
STATEWIDE	4.207
BAY AREA	4.159
CENTRAL VALLEY	4.255
SOUTHERN	4.214
SUPERIOR	4.028

# Discussion of Data

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- ▶ **Presented data for the four indicators**
- ▶ **Discussed how the data might be used**
- ▶ **Alternative interpretations of the data**
- ▶ **Limitations of the data**
- ▶ **Data leads to more questions**

# Profile Report Overview

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- ▶ **Each Profile Report uses seven years of Medicaid data to illustrate:**
  - Clients
  - Dollars
  - Units of service
- ▶ **Each Profile Report displays data for:**
  - County
  - Region
  - State

# Profile Report Overview

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- ▶ **The Profile Report is divided into two sections:**
  - **Age**
    - Youth (0-17)
    - Adult (18-64)
    - Older Adult (65+)
  - **Race/Ethnicity**
    - Caucasian
    - Hispanic
    - African American
    - Asian
    - Other

# Profile Report Data

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## Total

- ▶ Eligibles
- ▶ Clients
- ▶ Penetration Rate
- ▶ Dollars
- ▶ Dollars per Client

## Outpatient Inpatient Crisis Day Treatment

- ▶ Clients
- ▶ Dollars
- ▶ Units
- ▶ Dollars per Client
- ▶ Units per Client
- ▶ Dollars per Unit

# Goals of the Profile Report

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- ▶ **Provide information to interested parties on the number of clients accessing services, the average cost of services, and the average units of service received.**
- ▶ **Provide information to interested parties on utilization rates by race and ethnicity to understand potential disparities in access and utilization of services.**
- ▶ **Help system managers, clients, family members, and community constituents understand trends in the mental health service delivery system and how it has changed across time.**

# Technical Notes

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- ▶ **The number of Medi-Cal eligibles is the average monthly number of persons who were eligible for Medi-Cal services during the year.**
- ▶ **A client is a person who received one or more services during the year.**
- ▶ **Inpatient information does NOT include state hospital data.**

# Outline of Profile Report Text

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- ▶ **Rationale for Use**
- ▶ **Operational Measure**
- ▶ **Formula**
- ▶ **Discussion**
- ▶ **Prompt Questions**

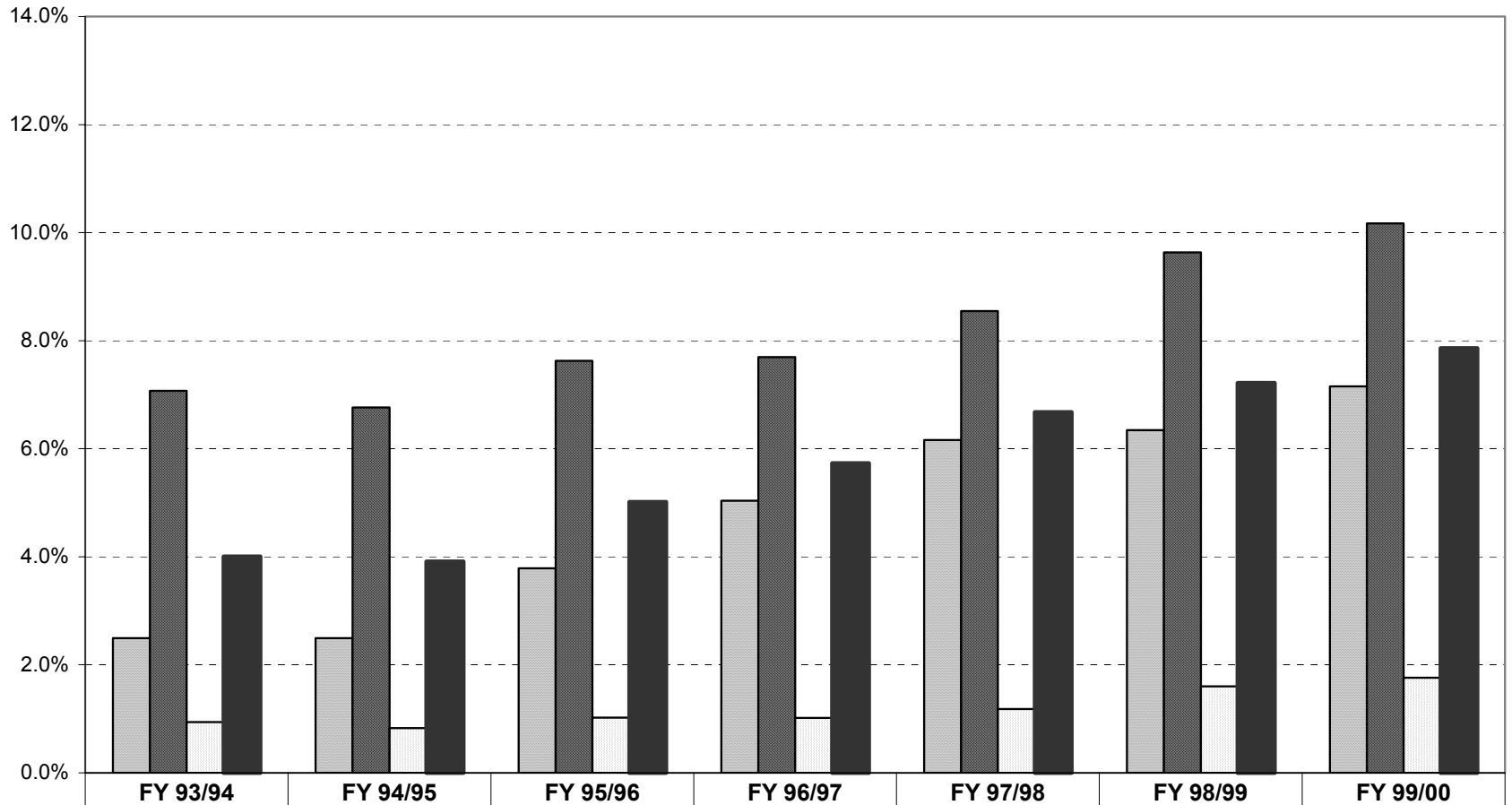
# Outline of Profile Report Text

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## ▶ Prompt Questions:

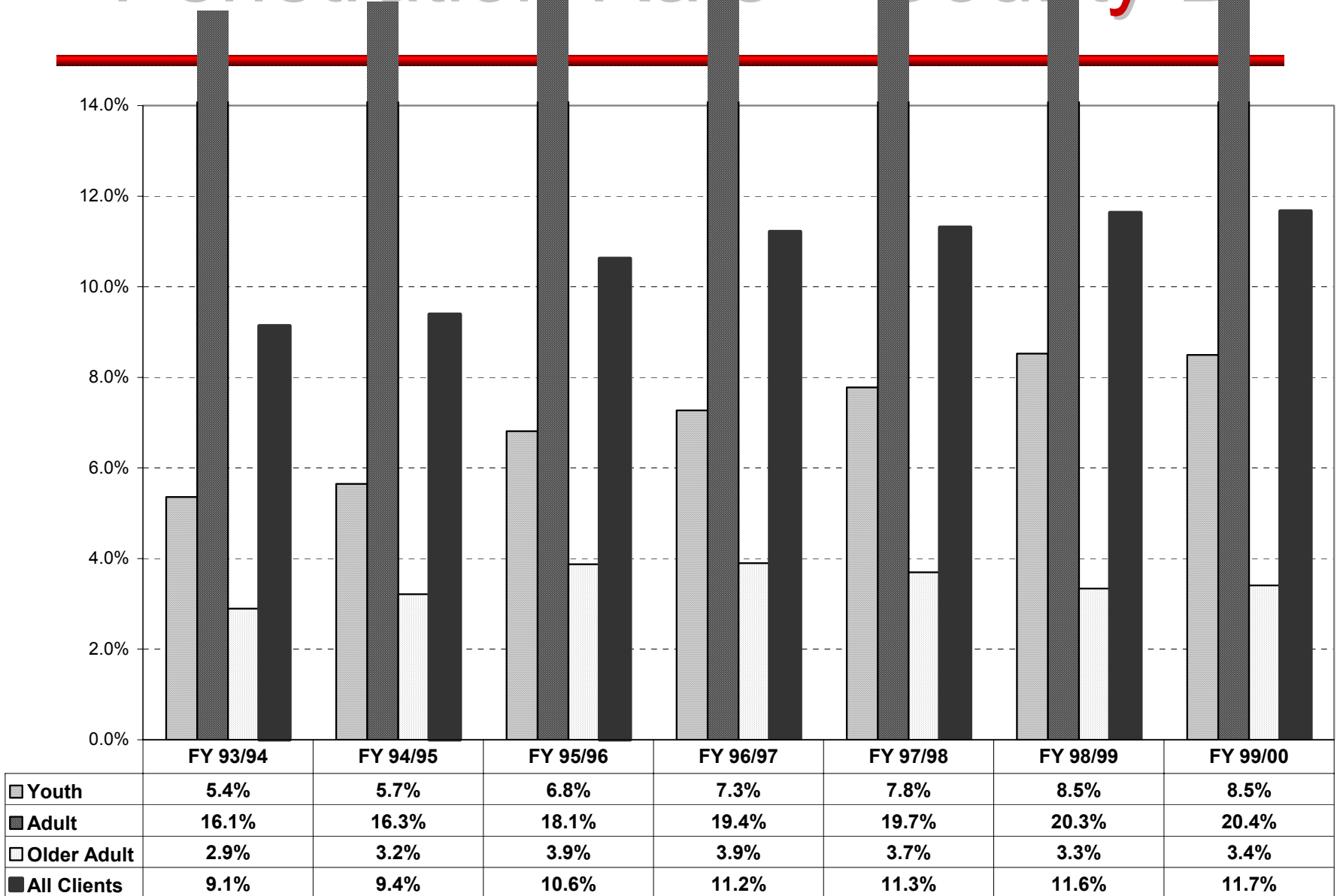
1. How does the penetration rate for the county change across the seven years for each group?
2. How is the regional trend different from, or similar to, the county and state figures?
3. How does the penetration rate for youth compare to adults and older adults?
4. What are some of the factors that may influence the county data to look different from the regional and state data?

# Penetration Rate – County A

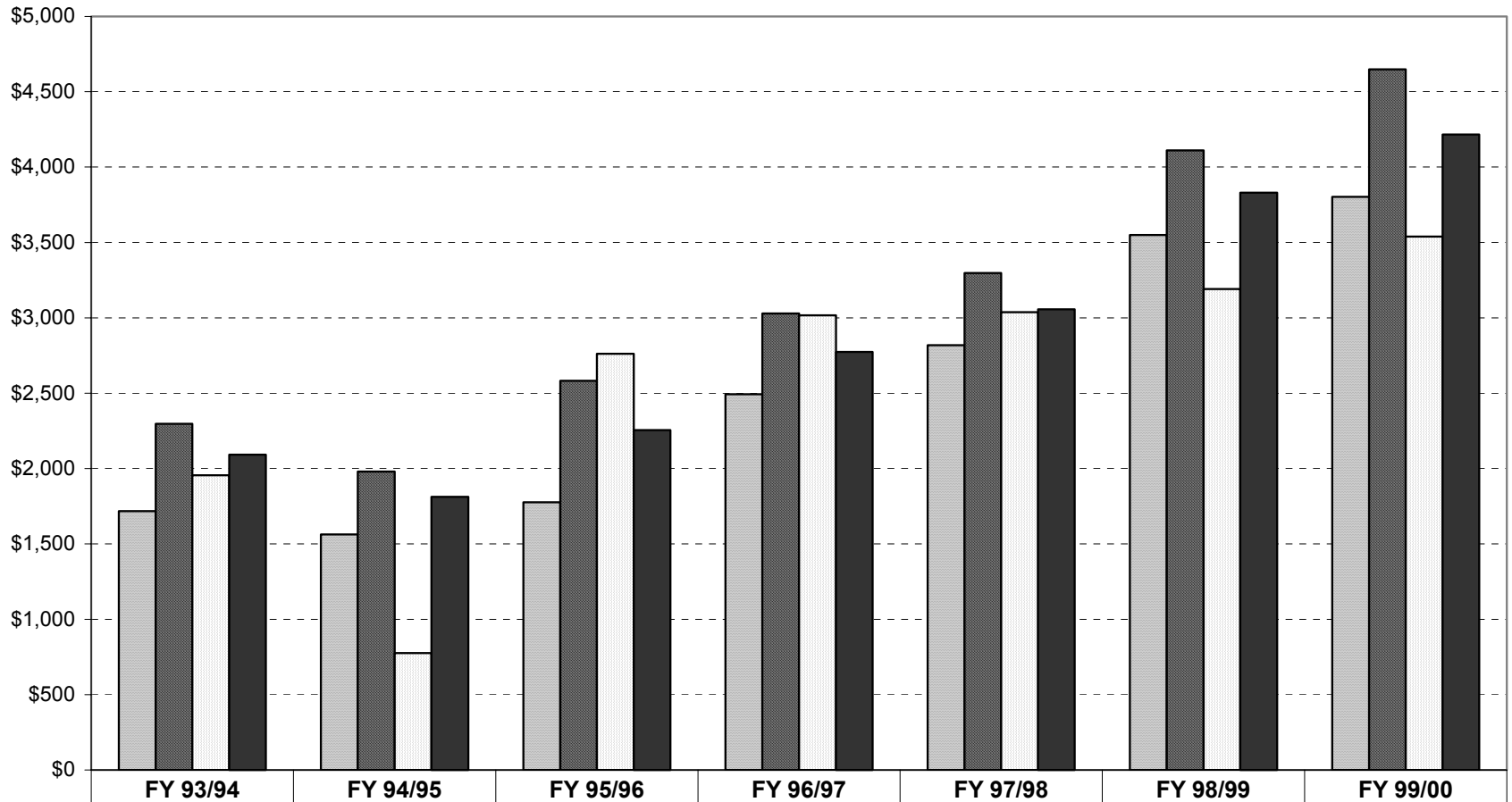


■ Youth	2.5%	2.5%	3.8%	5.0%	6.2%	6.3%	7.2%
■ Adult	7.1%	6.8%	7.6%	7.7%	8.5%	9.6%	10.2%
□ Older Adult	0.9%	0.8%	1.0%	1.0%	1.2%	1.6%	1.8%
■ All Clients	4.0%	3.9%	5.0%	5.7%	6.7%	7.2%	7.9%

# Penetration Rate – County B



# Dollars per Client – County A



	FY 93/94	FY 94/95	FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00
■ Youth	\$1,718	\$1,563	\$1,776	\$2,494	\$2,820	\$3,550	\$3,803
■ Adult	\$2,296	\$1,979	\$2,582	\$3,030	\$3,298	\$4,112	\$4,648
□ Older Adult	\$1,956	\$775	\$2,763	\$3,017	\$3,038	\$3,191	\$3,540
■ All Clients	\$2,093	\$1,812	\$2,255	\$2,774	\$3,056	\$3,830	\$4,217

# Dollars per Client – County B

