
DATA ANALYSIS TRAINING FOR ADVISORY BOARDS

Presented to:

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Block Grant Conference
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CMHS System Reform Grants

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

California's Approach

- ▶ **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

- ▶ **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

- ▶ **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

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

Role of Performance Indicators in System Oversight

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

Performance Indicators

- ▶ **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

- ▶ **Data sources**

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

Indicators Presented

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

Penetration Rate

▶ **Formula:**

People who use services (Clients)

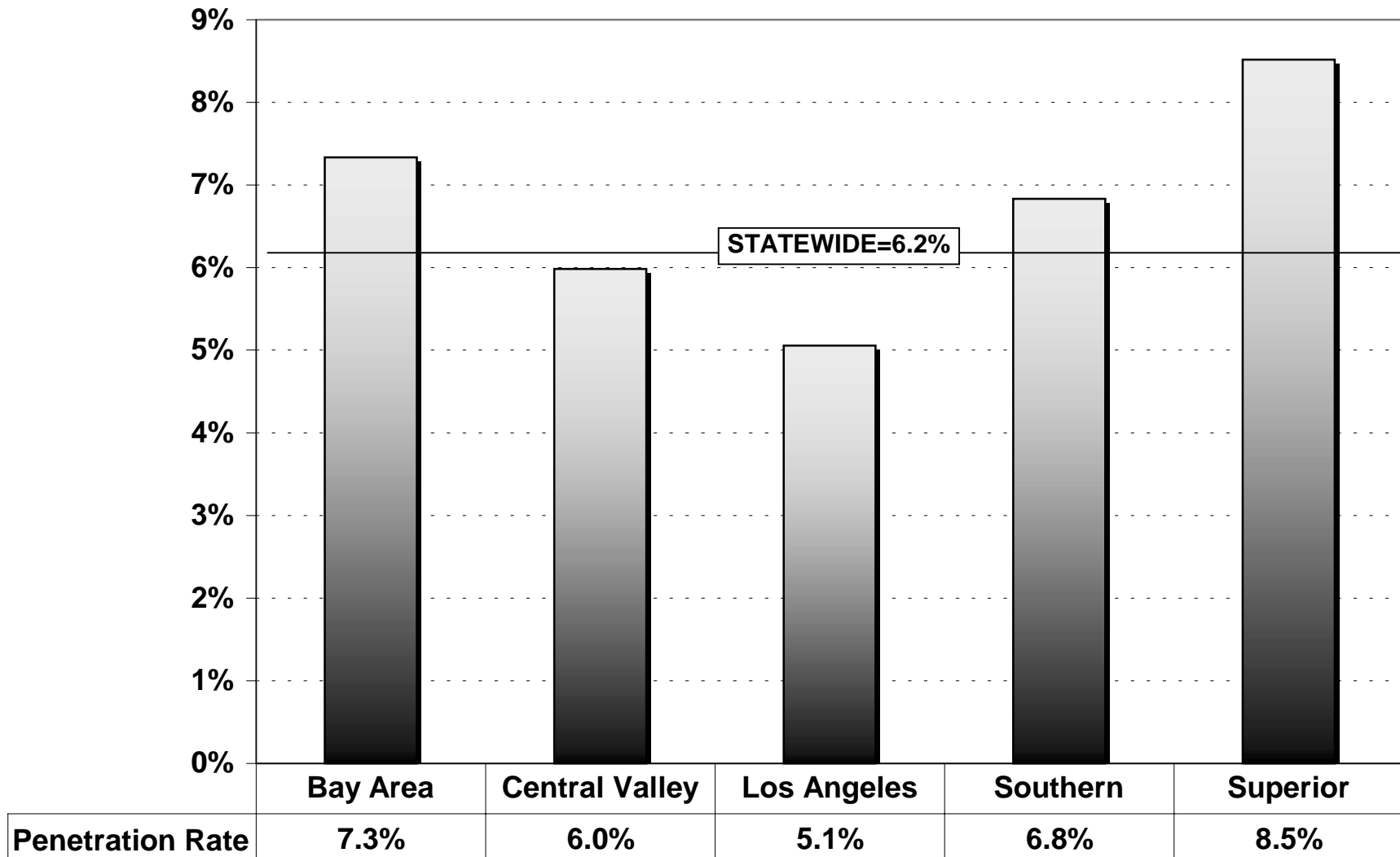
Annual Average Monthly Medicaid
Eligibles

Penetration Rate-Statewide

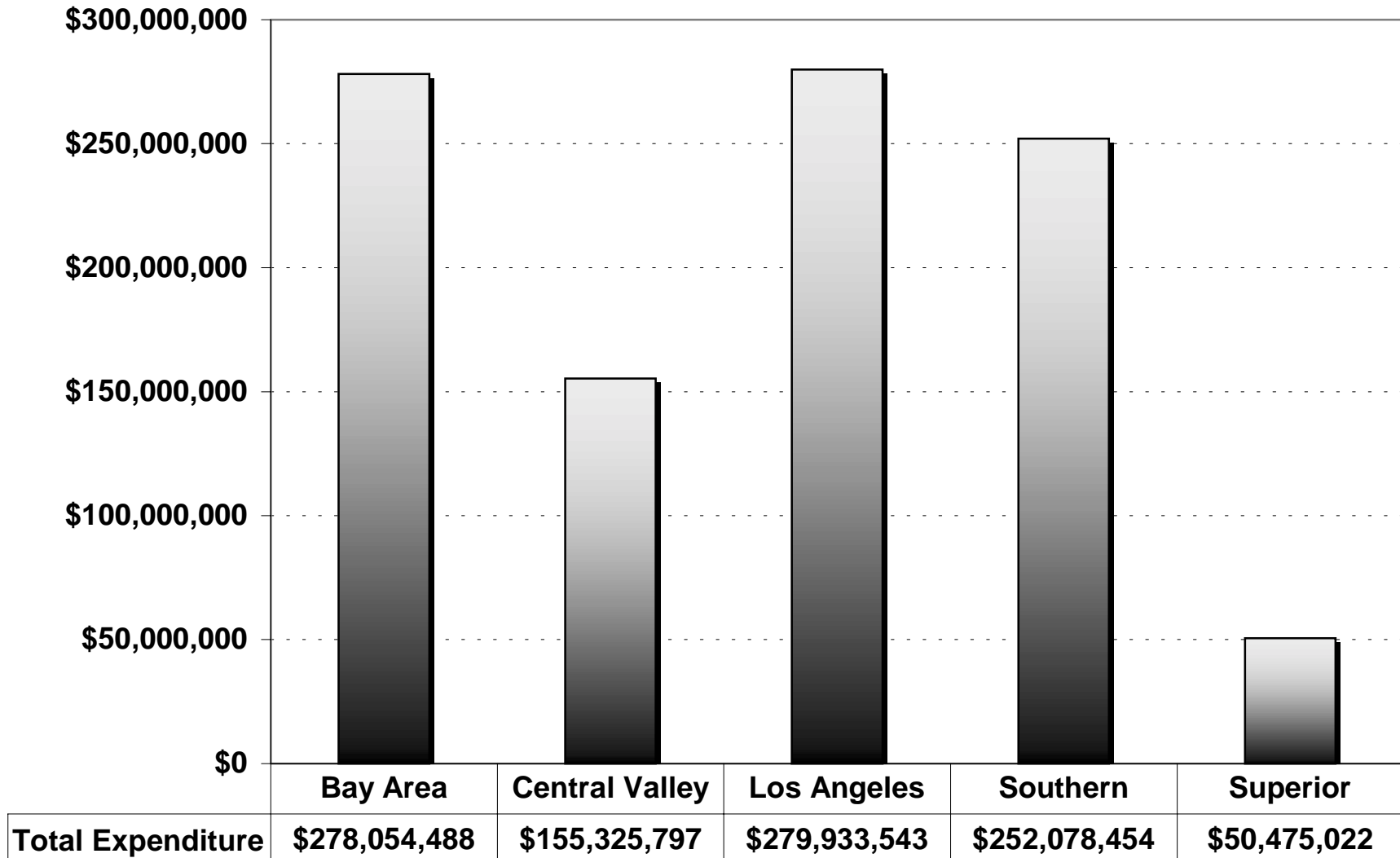
$$\frac{330,146 \text{ Clients}}{5,347,570 \text{ Medicaid Eligibles}} = 6.2\%$$

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

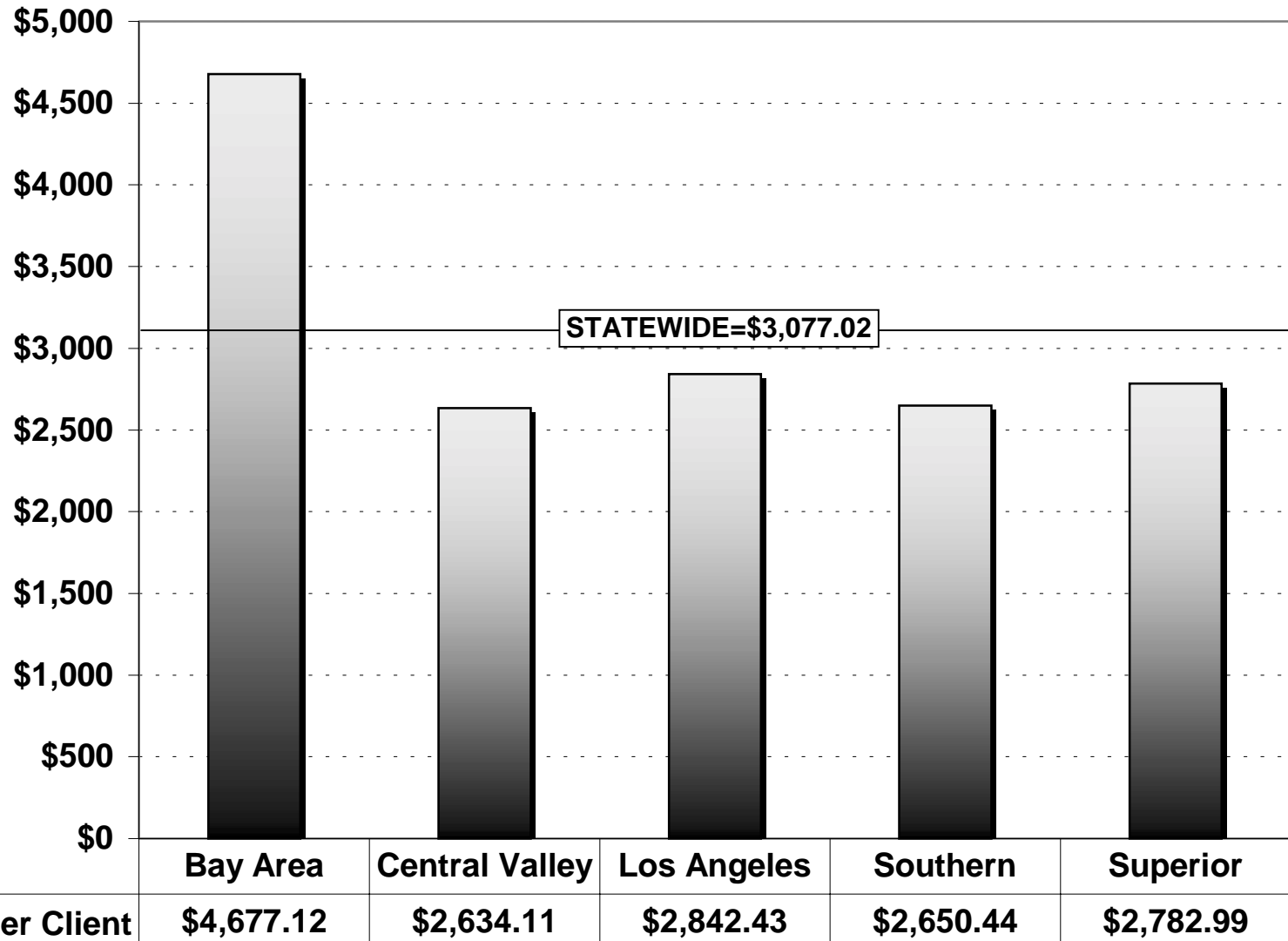
Penetration Rate



Medi-Cal Expenditures

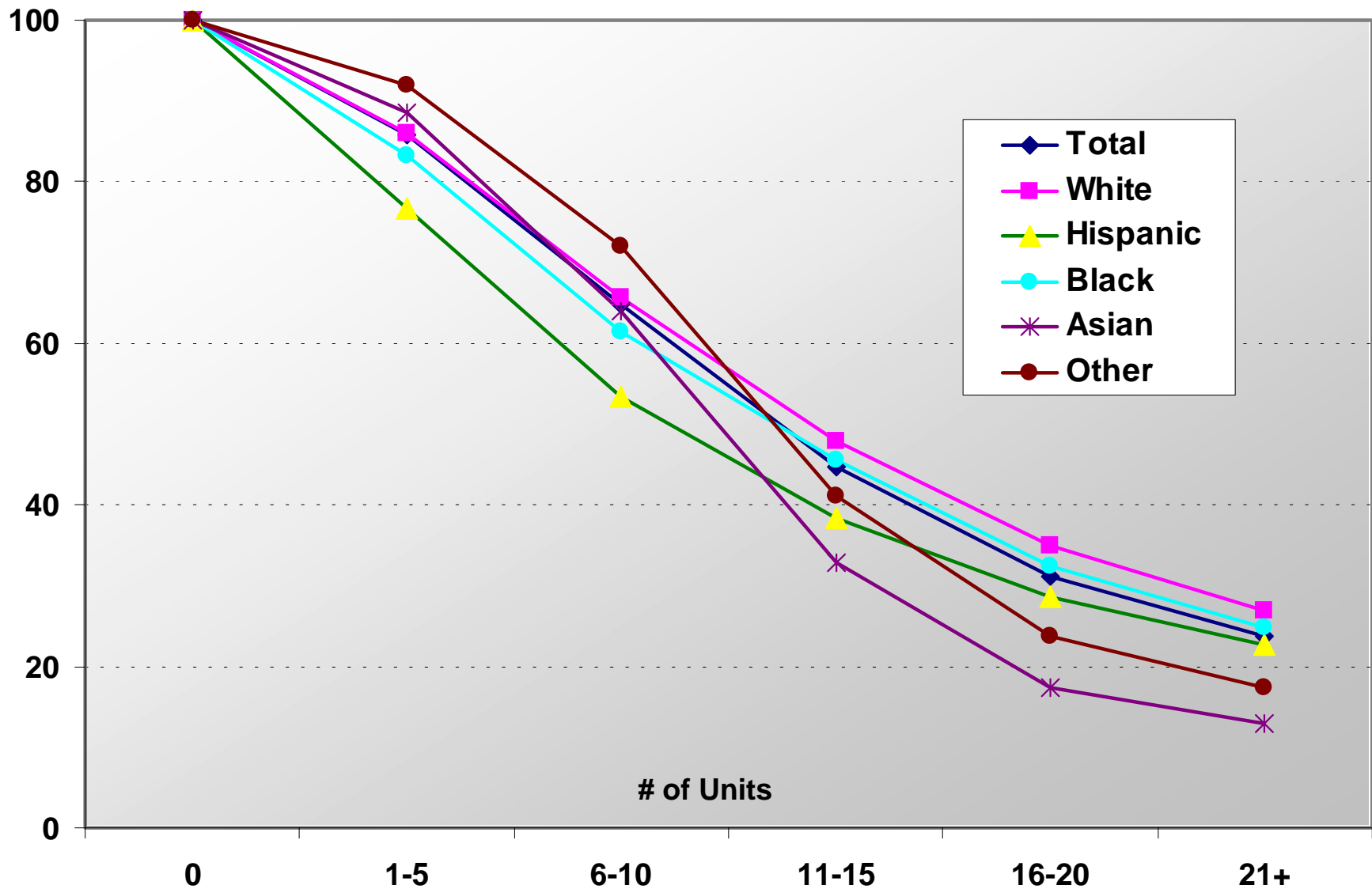


Expenditures per Client



Expenditures per Client

Retention Rate for Clients Receiving Follow-up Services



MHSIP Consumer Survey

Access Scores

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

Discussion of Data

- ▶ **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

- ▶ **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

▶ **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

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

- ▶ **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

- ▶ **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

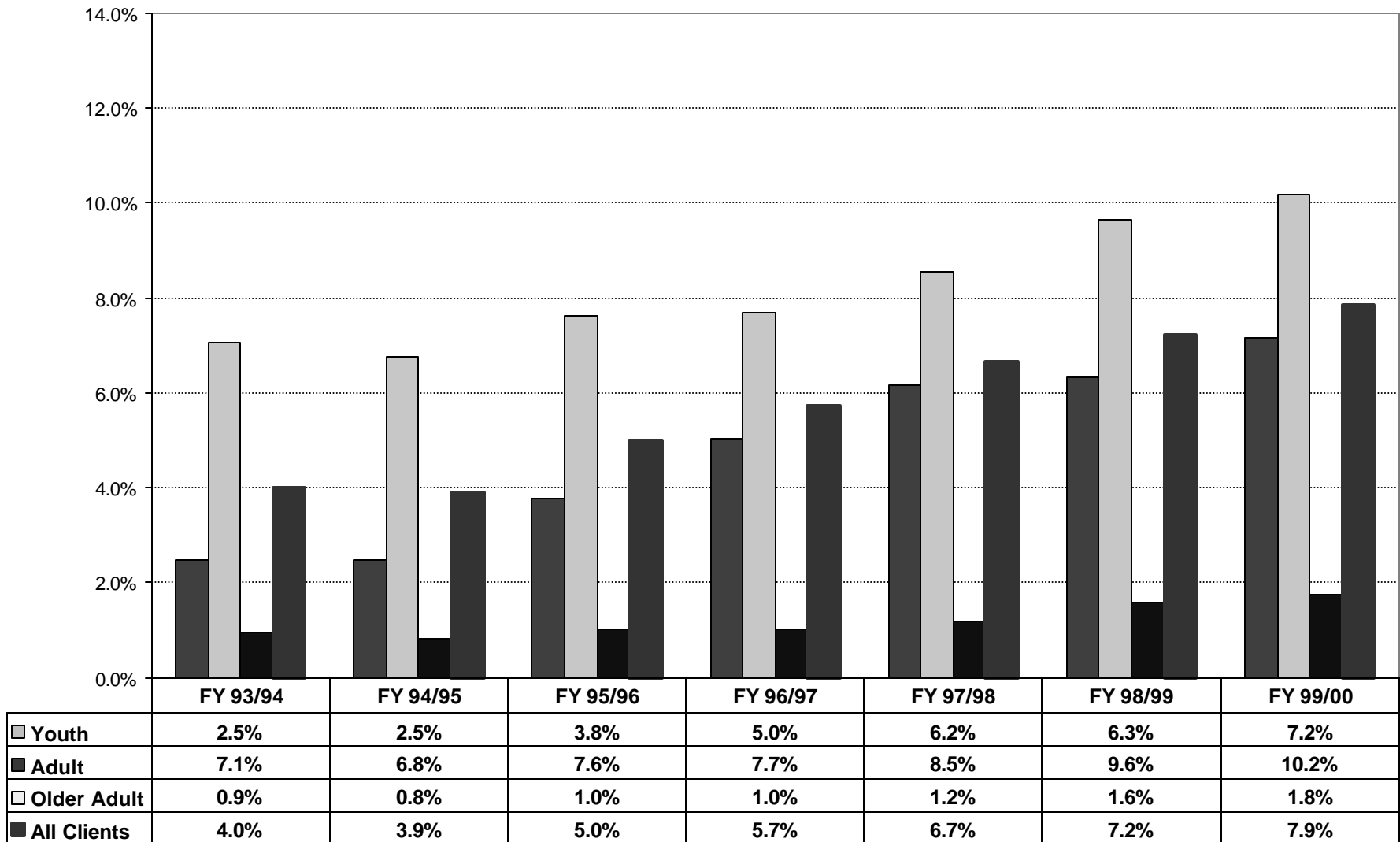
- ▶ **Rationale for Use**
- ▶ **Operational Measure**
- ▶ **Formula**
- ▶ **Discussion**
- ▶ **Prompt Questions**

Outline of Profile Report Text

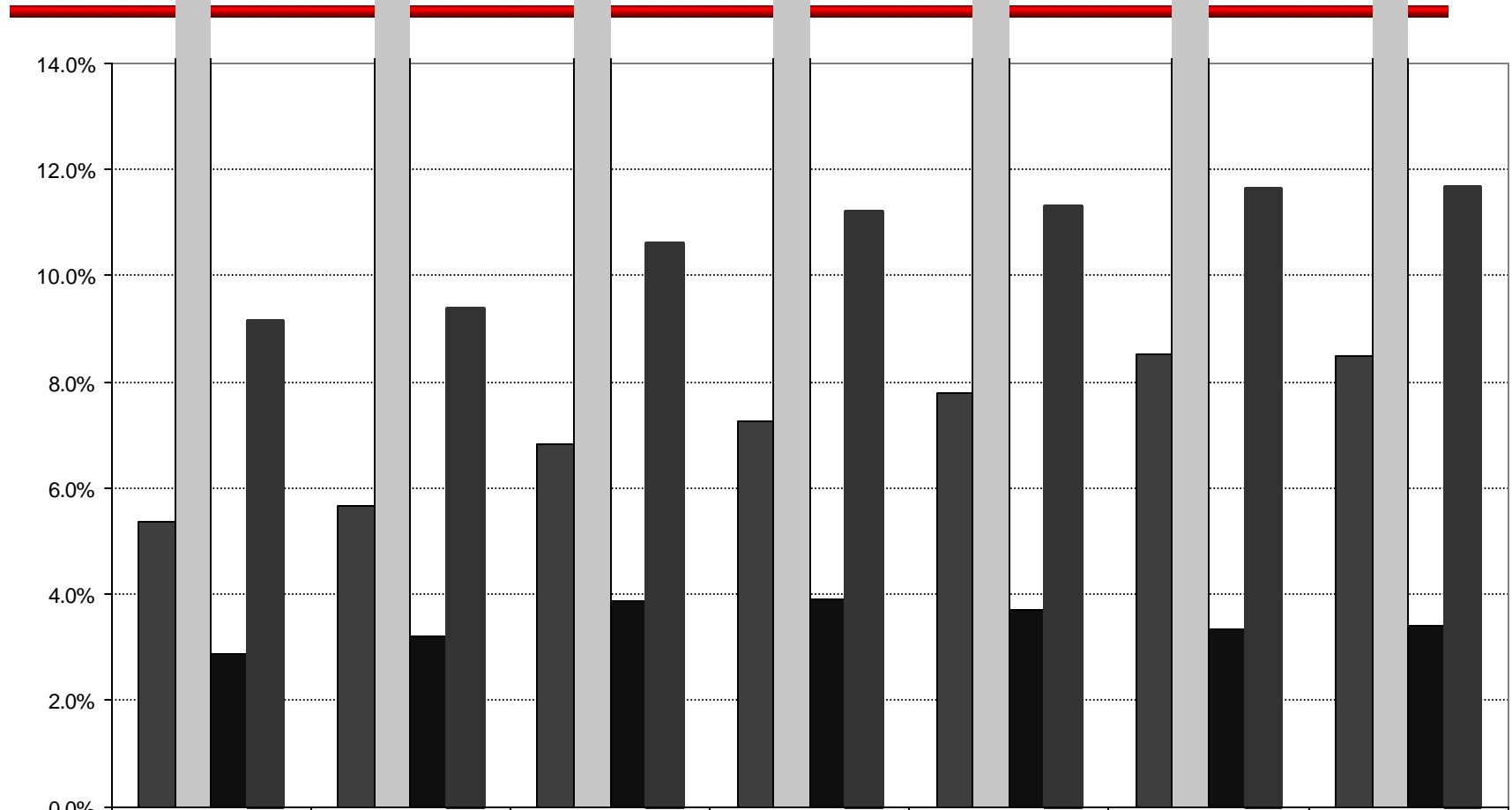
▶ **Prompt Questions:**

- How does the penetration rate for the county change across the seven years for each group?
- How is the regional trend different from, or similar to, the county and state figures?
- How does the penetration rate for youth compare to adults and older adults?
- 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

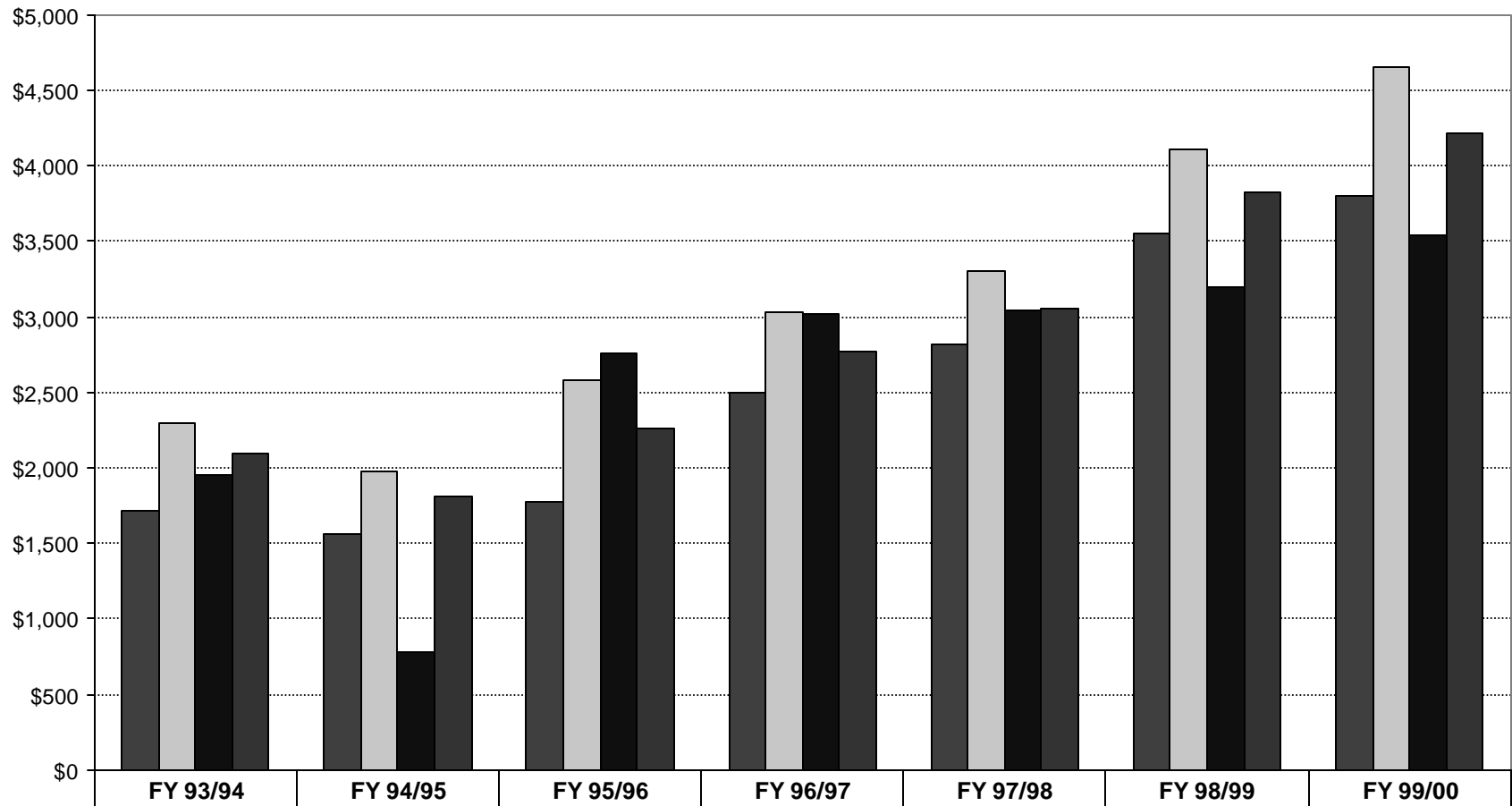


Penetration Rate – County B



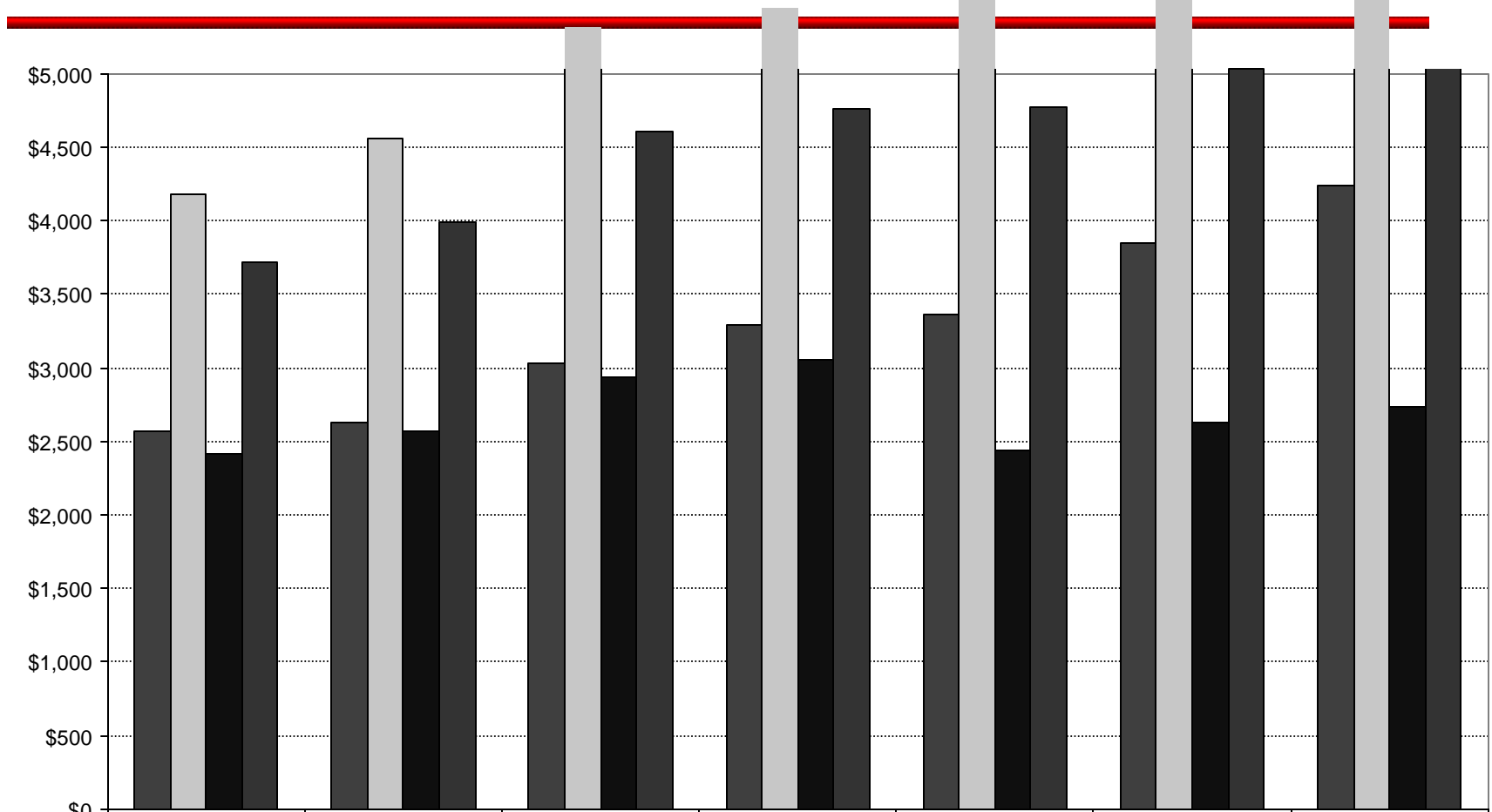
	FY 93/94	FY 94/95	FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00
■ Youth	5.4%	5.7%	6.8%	7.3%	7.8%	8.5%	8.5%
■ Adult	16.1%	16.3%	18.1%	19.4%	19.7%	20.3%	20.4%
□ Older Adult	2.9%	3.2%	3.9%	3.9%	3.7%	3.3%	3.4%
■ All Clients	9.1%	9.4%	10.6%	11.2%	11.3%	11.6%	11.7%

Dollars per Client – County A



■ 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



	FY 93/94	FY 94/95	FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00
■ Youth	\$2,571	\$2,622	\$3,031	\$3,296	\$3,358	\$3,846	\$4,244
■ Adult	\$4,175	\$4,554	\$5,319	\$5,442	\$5,525	\$5,720	\$6,046
□ Older Adult	\$2,411	\$2,573	\$2,932	\$3,053	\$2,439	\$2,626	\$2,729
■ All Clients	\$3,715	\$3,993	\$4,606	\$4,766	\$4,769	\$5,036	\$5,363