



California Department of Mental Health Study

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Background

- Health disparities exist
- Discrepancies in access and utilization of treatment
- Differential treatment outcomes



Purpose of this study

- Are there group differences in treatment utilization?
- What is the rate of premature treatment dropout and are there group differences?
- Are there group differences in treatment outcome?
- Are there differences in types of treatments accessed by each group?
- Are there group differences in diagnoses/types of problems for which they access services?
- What about age, gender, and socioeconomic differences?



Method

- Archival treatment data from California Department of Mental Health (N ≈ ??)
 - African American
 - Asian American
 - Caucasian American
 - Latino
- Utilized services between July 1, 2006 – December 31, 2007
 - Cleaner data system



Variable List

Total variables = 53

- Client Record: Information about the client that remains stable throughout the client's lifetime
 - 8 variables
- Periodic Record: Information about the client that might be expected to change and is relevant to outcome measures
 - 6 variables
- Service Record: Information on the services received by the client and the client's clinical data
 - 35 variables
- Four additional variables
 - Type of transaction record (e.g., client, service, or periodic)
 - Name of county submitting record
 - County Client Number
 - Any changes/deletions to County Client Number



Client Record

- Date of Birth
- Place of Birth
 - County, State, and Country
- Gender
- Ethnicity
 - Is the client of Hispanic or Latino ethnicity



Client Record - Race

- White or Caucasian
- Black or African American
- American Indian or Alaska Native
- Filipino
- Chinese
- Cambodian
- Hmong
- Japanese
- Korean
- Other Pacific Islander
- Asian Indian
- Other Asian
- Native Hawaiian
- Guamanian
- Mien
- Laotian
- Vietnamese
- Other
- Unknown



Client Record

- Primary Language

- Primary language utilized by the client

- Preferred Language

- The language in which the client would prefer to receive mental health services

- English
- Cantonese
- Japanese
- Korean
- Tagalog
- Mandarin
- Other Chinese Dialects
- Etc.
- Thai
- Vietnamese
- Hmong
- Mien
- Cambodian
- Spanish
- American Sign Language



Periodic Record

- **Date Completed**

- Identifies the date the information for each record is completed

- **Education**

- Identifies the highest grade level completed by the client

- **Employment Status**

- Not in the paid work force

- Actively looking for work

- Homemaker

- Student

- Volunteer Worker
(environment)

- Retired

- Resident / inmate of institution

- Other

- Employed in competitive job market

- Full time, 35 hours or more per week

- Part time, less than 35 hours per week

- Employed in noncompetitive job market
(sheltered workshop, protected)

- Full time, 35 hours or more per week

- Part time, less than 35 hours per week

- Unknown / Not Reported



Periodic Record

- Conservatorship/Court Status
 - Identifies whether or not the client has a conservatorship or juvenile court status
- Caregiver
 - The number of persons the client cares for/is responsible for at least 50% of the time
- Living Arrangement
 - House or apartment
 - Group home
 - Community treatment facility
 - Etc.



Service Record

- Record Reference Number
 - Identifies the unique number assigned to any record in order to locate and retrieve the record
- Mode of Service
 - 24 Hour Services
 - Day Services
 - Outpatient Services



Service Record

- Service Function

- Identifies the specific type of service received by the client within 24 Hour, Outpatient , and/or Day mode of service
- 24 Hour Services (e.g., Hospital Inpatient, Adult Residential, Mental Health Rehab Center, Etc.)
- Outpatient Services (e.g., Professional Inpatient Visit, Crisis Intervention, Etc.)
- Day Services (e.g., Vocational Services, Day Treatment Intensive – Half day, Day Rehabilitation – Full day)



Service Record

- Units of Service: Quantity of services provided

Type of Service	Unit of Service Measurement
24-Hour mode of service Day mode of service except for Crisis Stabilization	Day
Crisis Stabilization	Each occurrence of the event
Outpatient mode of service	Each client or support person contact

- Outpatient Services (Mode 15) whenever there is no contact with a client or support person
- 24 Hour Services (Mode 05) when the From/Entry Date and Through/Exit Date are the equal and the From Entry/ and Through/Exit Dates are less than or equal to the Discharge Date and the Admission Date is prior to the From/Entry Date, Through/Exit Date, and Discharge Date
- 24 Hour Services (Mode 05); must be appropriate for the length during the month including a leap year



Service Record

- Units of Time: Amount of time for selected services in Day Services and all Outpatient Services

Type of Service	Unit of Time Measurement
24 Hour mode of service SNF Augmentation	Zero fill
Crisis Stabilization	Hourly increments
Vocational Services Socialization	4-Hour increments
Day Treatment Intensive; Day Rehab	Half day or Full day
Outpatient mode of service	Minutes

- 24 hour service (Mode 05 all service functions)
- SNF Augmentation (Mode 10 service functions 60-69)



Service Record

- Special Population
 - Identifies any special population services for statistical purposes
 - Assisted Outpatient Treatment service(s)
 - Individualized Education Plan required service(s)
 - Governor's Homeless Initiative service(s)
 - Welfare-to-work Plan Specified service(s)
- Provider Number
 - Identifies the organization providing a service



Service Record

- **County/City/Mental Health Plan with Fiscal Responsibility for Client**
 - Identifies the County/City/Mental Health Plan responsible for directly or indirectly paying for the client's services
- **Admission Date**
 - The date the client was admitted to a 24-Hour mode of service
- **From/Entry Date**
 - Identifies the first date of service, which may be the same as the Admission Date, or it may be the first date of the month if the admission occurred in a prior month
 - It may also be the date the client returns to the facility after an absence



Service Record

- Through/Exit Date
 - Identifies the last date a client is in a 24-Hour facility, which may be the same as the Discharge Date, or it may be the last date of the month if the client is staying until the next month
 - It may also be the date a client leaves the facility for an absence and is not discharged
- Discharge Date
 - The date the client was discharged from a 24-Hour mode of service



Service Record

- Patient Status Code
 - The status of the client as of the Through/Exit Date
 - Still a patient or expected to return
 - Discharged to home, self care, foster care, shelter care
 - Discharged /transferred to Community Treatment Facility
 - Discharged/transferred to State Hospital
 - Etc.
- Legal Class at Admission
 - The legal class under which the client is admitted to acute 24-hour mental health services
 - 72 Hour evaluation and treatment for Adults
 - 14 day intensive day hold
 - Charges and/or convictions pending
 - Etc.



Service Record

- Legal Class upon Discharge
 - The legal class of the client at the time of discharge from acute 24-hour mental health services
- Admission Necessity Code
 - Emergency
 - Planned (Prior Authorization)
 - Unknown/Not Reported
- Date of Service
 - Identifies the date of service for non-24 hour mode of service services



Service Record

- Place of Service
 - Identifies the location where the service was rendered
 - Inpatient
 - Correctional facility
 - Faith-based
 - Health Care/Primary Care
 - Age-specific community center
 - Mobile services
 - Etc.



Service Record

■ Evidence-Based Practices

- Assertive Community Treatment
- Supportive Employment
- Supportive Housing
- Family Psychoeducation
- Integrated Dual Diagnosis Treatment
- Illness Management and Recovery
- Medication Management
- New Generation Medications
- Therapeutic Foster Care
- Multisystemic Therapy
- Functional Family Therapy
- Unknown Evidence-Based Practice/
Service Strategy



Service Record

■ Service Strategies

- Peer and/or Family Delivered Services
- Psychoeducation
- Family Support
- Supportive Education
- Delivered in Partnership with Law Enforcement (includes courts, probation, etc.)
- Delivered in Partnership with Health Care

- Delivered in Partnership with Social Services
- Delivered in Partnership with Substance Abuse Services
- Integrated Services for Mental Health and Aging
- Integrated Services for Mental Health and Developmental Disability
- Ethnic/Age-Specific Service Strategy



Service Record

- Trauma

- Identifies whether clients that have experienced traumatic events including experiences such as having witnessed violence, having been a victim of crime or violence, having lived through a natural disaster, etc.



Service Record

- **Axis I Diagnosis**
 - Identifies the Axis I diagnosis, which may be the primary focus of attention or treatment for mental health services
- **Axis I Primary**
 - Identifies whether or not the Axis I diagnosis is the primary mental health diagnosis, which should reflect the primary focus of attention or treatment for mental health services
 - Yes; No; Unknown/Not reported
- **Additional Axis I Diagnosis**
 - Identifies an additional Axis I diagnosis



Service Record

- **Axis II Diagnosis**
 - Identifies the Axis II diagnosis, which may be the primary focus of attention or treatment for mental health services
- **Axis II Primary**
 - Identifies whether the Axis II diagnosis is the primary mental health diagnosis
 - Yes; No; Unknown/Not reported
- **Additional Axis II Diagnosis**
 - Identifies an additional Axis II diagnosis



Service Record

- **Axis-V/GAF Rating**
 - Identifies the Global Assessment of Functioning (Axis-V / GAF) rating of the client
- **Substance Abuse/Dependence**
 - Identifies whether or not the client has a substance abuse / dependence issue
 - Yes; No; Unknown/Not reported
- **Substance Abuse/Dependence Diagnosis**
 - Identifies the client's substance abuse / dependence diagnosis, if any



Service Record

- General Medical Condition Summary Code
 - Identifies up to three General Medical Condition Summary Codes that most closely identify the client's general medical condition(s)

Arterial Sclerotic Disease	Chronic Pain
Birth Defects	Multiple Sclerosis
Diabetes	Stroke
Obesity	Asthma
Arthritis	Migraines
Cancer	Stroke
No General Medical Condition	Etc.



Service Record

- General Medical Condition Diagnosis
 - Identifies up to three general medical condition diagnoses that most closely identify the client's general medical condition(s), if any