Department of State Health Services State Hospitals Section Mission, Vision, Goals and 2005 Work Plan

Statewide Performance Indicators 2nd Quarter FY 2005

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The Mission of Texas State Government

Texas state government must be limited, efficient, and completely accountable. It will foster opportunity and economic prosperity, focus on critical priorities, and support the creation of strong family environments for our children. The stewards of the public trust will be men and women who administer state government in a fair, just, and responsible manner. To honor the public trust, state officials must seek new and innovative ways to meet state government priorities in a fiscally responsible manner.

HHS SYSTEM MISSION

The mission of health and human services agencies in Texas is to develop and administer an accessible, effective, efficient health and human services delivery system that is beneficial and responsive to the people of Texas.

HHS SYSTEM PHILOSOPHY

Every Texan should be able to access and utilize available health and human services provided by State agencies in the most integrated, cost-effective setting possible. The Texas Health and Human Services system is dedicated to developing client-focused program and policy initiatives that are relevant, timely and within the means of the taxpayers of the State of Texas. The HHS system will advocate for client-choice, appropriate funding, and streamlined service delivery. Additionally, we hold to these guiding principles:

Every person, regardless of income, race, ethnicity, physical or mental limitation, gender, religion, or age, is entitled to dignity, independence and respect.

Texans deserve openness, fairness and the highest ethical standards from us, their public servants.

Taxpayers, and their elected representatives, deserve conscientious stewardship of public resources and the highest level of accountability.

We work in partnership with lawmakers, agency personnel, customers, service providers, and the public to continually improve the quality of our service.

HHS SYSTEM STRATEGIC GOALS

The following system strategic goals represent a unifying element for the system as a whole.

<u>Preserve, enhance, and maintain independence</u> – enable the aging, people with disabilities, including those with mental retardation and other developmental conditions, to live as Independently as possible for as long as possible through an effective, individualized system of service provision in community and institutional settings

<u>Promote and protect good health</u> – protect public health and promote the overall physical and mental health of Texans through the provision of education, early intervention, substance abuse treatment, health insurance, and appropriate health services for eligible populations.

<u>Achieve economic self-sufficiency</u> – enable low-income individuals and clients of family violence, refugee, and vocational rehabilitation programs to achieve self-sufficiency for themselves and their families by providing income assistance and/or related support services necessary on a temporary basis.

<u>Ensure safety and dignity</u> – ensure safety and protection from abuse, neglect, or exploitation of children and adults through comprehensive regulatory and enforcement systems that include certification, training, and assistance to health and child care providers and personnel.

HEALTH AND HUMAN SERVICES COMMISSION

VISION

Through the Texas Health and Human Services Commission's strategic direction and leadership, we envision a coordinated health and human services system that ensures quality services, cost-effective service delivery, and careful stewardship of public resources. HHSC will direct and support collaboration and partnerships of agencies with consumers and local communities to establish systems that support individual choices and personal responsibility.

MISSION

The mission of the Health and Human Services Commission is to provide the leadership and direction and foster the spirit of innovation needed to achieve an efficient and effective health and human services system for Texans.

DEPARTMENT OF STATE HEALTH SERVICES

VISION

Texans in need have access to effectively delivered public health, mental health, and substance abuse services, and all Texans live and work in safe, healthy communities.

MISSION

To promote optimal health for individuals and communities while providing effective health, mental health, and substance abuse services to qualified Texans in need.

DSHS SCOPE

The Department of State Health Services (DSHS) administers and regulates health, mental health, and substance abuse programs. The Department began its formal operations September 1, 2004.

HEALTH AND HUMAN SERVICES OVERVIEW

The enactment of House Bill 2292 (H.B. 2292), 78th Legislature, Regular Session, 2003, began a dramatic transformation of the Texas Health and Human Services (HHS) system. This legislation requires the consolidation of administrative and service delivery structures and policy changes to address higher demands for services with limited funds. It also requires new mechanisms, such as outsourcing, to achieve greater efficiency and effectiveness of the system as a hole. In addition, H.B. 2292 provides the authority to ensure effective implementation of these changes by expanding the leadership role of HHSC and the Executive Commissioner for Health and Human Services. House Bill 2292 abolished 10 of 12 existing HHS agencies and transferred their powers and duties into four new agencies and to the Health and Human Services Commission. Thus, the consolidated HHS system is composed of the following five entities:

- Health and Human Services Commission (HHSC);
- Department of Aging and Disability Services (DADS);
- Department of Assistive and Rehabilitative Services (DARS);
- Department of Family and Protective Services (DFPS); and
- Department of State Health Services (DSHS).STATE DSHS HOSPITALS SECTION VISION

The State Hospitals section will be a partnership of consumers, family members, volunteers, policy makers, and service providers that work together to provide quality services that are responsive to each patient's needs and preferences in eleven (11) state Hospitals.

Legislative Budget Board Performance Measures Directly Relating to State Mental Health Hospitals

Outcome Measures:

Percent of consumers receiving MH campus services whose functional level stabilized or improved. Reported Annually to the LBB. *

Percent of customers discharged from state mental health hospitals whose symptoms stabilized or decreased during course of treatment. **Reported Annually to the LBB.**

Percent of cases of tuberculosis treated at TCID as inpatients in which the patients are treated to cure. **Reported quarterly to the LBB.**

Output Measures:

Average daily census of state mental health hospitals. Reported Quarterly to the LBB. *

Average monthly number of state mental health hospital consumers receiving atypical antipsychotic new generation medications. **Reported Quarterly to the LBB.**

Number of admissions to state hospitals. Reported Quarterly to the LBB.

Number of Inpatient days at TCID. Reported Quarterly to the LBB.

Number of Outpatient visits at TCID and STHCS component of RGSC. *Reported Ouarterly to the LBB*.

Efficiency Measures:

Average daily hospital cost per occupied state mental health hospital bed. Reported Quarterly to the LBB. *

Average monthly cost of new generation atypical antipsychotic medications per mental health hospital customer receiving new generation medication services. Reported Quarterly to the LBB. *

Average cost of outpatient visits for TCID and STHCS component of RGSC. Reported quarterly to the LBB.

* Key measures that are reported in the Appropriations Bill. If not met plus or minus 5% an explanation must be provided.

WE WILL BE RECOGNIZED AS PROVIDING QUALITY: -SERVICE-TRAINING-WORK ENVIRONMENT-

Н						
We Ask Our Customers Accreditation And Certification		We Identify Key Functions Of State Mental Health Facilities And Establish Measurable	Priority Focus Areas	We Maintain A Qualified And Diverse Workforce		
D.:	36.1	Performance Indicators	10 0	W7		
- Patients	- Medicare	Patient-Focused Functions	-Assessment and Care/Services	We assess competence:		
- Families	- JCAHO	Al Rights of Patients and	-Communication	> Skills/Job,		
- Guardians	- Medicaid	Organizational Ethics	-Credentialed Practioners	Professional, and		
- LMHAs & LMRAs	- ICF/MR	A2 Provision of Care	-Equipment Use	Cultural.		
- Courts	- CAP		-Infection Control			
- Staff		A3 Continuity of Care	-Information Management	We assess performance.		
- Legislature	- Agency clinical and		-Medication Management			
- Advocates	administrative	A4 Medication Management	-Organization Structure	We grant clinical privileges.		
- Third Party Payors	performance indicator		-Orientation and Training			
- Volunteers	compliance	A5 Surveillance, Prevention, and	-Rights and Ethics	We set expectations for		
- Students		Control of Infection	-Physical Environment	education and training and		
- Hospital Districts		Organizational Functions	-Quality Improvements – Expertise & Activity	ensure this continuing		
- Regional Public Health		B1 Leadership	- Patient Safety	knowledge acquisition process.		
Authority		B2 Management of Information	- Staffing			
		B3 Management of Human Resources		We implement strategies to		
		B4 Management of Environment		ensure our workforce is		
		B5 Improving Organizational		recognized, treated and		
		Performance Through Customer		rewarded in a manner that		
		Satisfaction		reflects a commitment to		
				valuing workforce diversity.		
		Structures with Functions		g		
		C1 Medical Staff				
		C2 Nursing				

STATE HOSPITAL SECTION FY 2005 MANAGEMENT PLAN

The State Hospitals Section FY 2005 Management Plan has been divided into performance objectives and performance measures.

<u>Performance Objectives</u>: Involve activities where specific tasks are to be performed or a specific purpose is to be achieved.

<u>Performance Measures:</u> Involve the presentation of data that will be monitored, analyzed for variation, and used as the basis for continuous improvement.

Required Reporting to Governing Body

All performance objectives and measures that are in bold print are required to be reported at Governing body meetings. ALL THE PERFORMANCE OBJECTIVES AND MEASURES THAT ARE IN BOLD PRINT AND IN CAPS ARE "STATEWIDE PERFORMANCE INDICATORS" AND HAVE SPECIFIC OPERATIONAL DEFINITIONS APPROVED BY THE DIRECTOR OF STATE HOSPITALS SECTION. REPORTS ON THESE "STATEWIDE INDICATORS" ARE PREPARED BY THE OFFICE OF QUALITY MANAGEMENT DATA SERVICES OF STATE HOSPITALS SECTION.

HEALTH & HUMAN SERVICES COMMISSION DEPARTMENT STATE HEALTH SERVICES MENTAL HEALTH AND SUBSTANCE ABUSE DIVISION STATE HOSPITALS SECTION GOALS AND PERFORMANCE OBJECTIVES AND MEASURES

GOAL I

PROVIDE LEADERSHIP: The leadership of the state hospitals will provide the framework for planning, directing, coordinating, providing and improving services which are cost effective and responsive to community and patient needs and improve patient outcomes. A governing body and management structure will ensure that the organization provides quality services in a culture focused on a safe and therapeutic environment. This goal also addresses the relationship between the governing body and the chief executive officer and the functional responsibilities of executive level management. Specific management responsibilities include maintaining and/or setting up the structure needed for effective operations; establishing an integrated safety program as well as information and support systems, recruiting and maintaining appropriately trained staff, conserving physical and financial assets, and maximizing reimbursement potential.

Perf	ormance Objectives	Key Functions
A.	Guidelines for the state hospital's annual planning process for FY2006 will be presented the December meeting of The Executive Committee of the Governing Body Meeting.	ed at
B.	A standardized method for determining outside medical costs utilizing current cost cent will be developed by Facility Support Services Oversight Committee (FSSOC).	ters
C.	STATE HOSPITALS WILL MAINTAIN JOINT COMMISSION ON ACCREDITATION OF HEALTHCARE ORGANIZATION (JCAHO) ACCREDITATION, MEDICARE CERTIFICATION, INSTITUTE OF MENTAL DISEASES (IMD) CERTIFICATION (where appropriate) AND INTERMEDIATE CARE FACILITY-MENTAL RETARDATION (ICF-MR) CERTIFICATION (where appropriate) DURING FY 2005.) B1
D.	FY 2005 REVENUE TARGETS FOR MEDICARE, TEXAS HEALTH STEPS INSTITUTE FOR MENTAL DISEASES (IMD), AND PRIVATE SOURCE FUNDS WILL BE MET BY EACH STATE HOSPITAL SO AS TO SATISFY SPECIFIC METHODS OF FINANCE.	,
E.	The State Mental Health Hospitals Section will update the Trust Fund Methodology which identifies the relationship between the state MH hospitals and the Local Mental Health Authority (LMHA) and will identify an alternative proposal which has the state hospitals operating as a provider in a "Fee for Service" system.	MH B1

	PROJECTED GENERAL REVENUE AVERAGE DAILY CENSUS (ADC) AND THIRD PARTY ADC WITHIN THE FUNDS THAT ARE ALLOCATED AND PROJECTED.	В1					
G.	The state hospitals FY 06 Governing Body Bylaws Template will be revised and approved by August 1, 2005.	B1					
H.	Each state hospital will analyze integrated safety programs according to JCAHO standards and state regulatory requirements, and report annually to the Governing Body.						
I.	 State hospitals will monitor the utilization of the Over Capacity Plan and report findings to the Governing Body: Number of days each MH Hospital was over capacity for children/adolescents and adults, Number of times Over Capacity Plan was activated at MH hospital, Number of patients who were transferred to another state MH hospital, Number of patients each MH hospital received as transfers or diversions, Number of patients the MH hospital assisted the local authority in diverting to another state hospital, and Number of times all MH hospitals were over capacity for adults and child/adolescents. Number of patients by month awaiting admission to TCID. Length of time on waiting list for TCID. 	B 1					
J.	Hospitals will monitor and evaluate the JCAHO priority focus area of Communication through the clinical performance improvement process. The aggregate information will be evaluated through the Clinical Performance Improvement Committee (CPIC) and reported to the Executive Committee.	B1,B5					
K.	Interagency Cooperation Contracts will be entered into with the Health and Human Services Commission and the Department of Aging and Disability Services for the continued provision of facility support services.	В1					
Perfo	rmance Measures Key l	Functions					
A.	AVERAGE COST PER PATIENT SERVED WILL BE CALCULATED AND REPORTED FOR EACH STATE HOSPITAL IN THE FOLLOWING CATEGORIES: 1. LBB COST 2. STATE COST; AND 3. TOTAL STATE COST.	В1					
В.	AVERAGE COST PER OCCUPIED BED WILL BE CALCULATED AND REPORTED FOR EACH STATE HOSPITAL.	B 1					

C.	AVERAGE DAILY CENSUS OF CAMPUS-BASED SERVICES WILL BE
	CALCULATED AND REPORTED FOR EACH STATE HOSPITAL ON A
	QUARTERLY BASIS.

B1

D. South Texas Healthcare System (STHCS) contract cost of Inpatient care will be calculated and reported on a quarterly basis.

B1

E. Texas Center for Infectious Disease (TCID) contract cost will be calculated and reported on a quarterly basis.

B1

GOAL 2:

RECOGNIZE AND RESPECT THE RIGHTS OF EACH PATIENT BY CONDUCTING BUSINESS IN AN ETHICAL MANNER: Patients deserve care, treatment, and services that safeguard their personal dignity and respect their cultural, psychological, and spiritual values. The ethics, rights, and responsibilities function is to improve care treatment, services, and outcomes by recognizing an respecting the rights of each patient and by conducting business in an ethical manner. The State Hospitals will assure that each patient is respected and recognized in the provision of treatment and care in accordance with fundamental human, civil, constitutional, and statutory rights. Patients and when appropriate, their families are informed about outcomes of care including unanticipated outcomes.

Performance Objectives

Key Functions

A. STATE HOSPITALS WILL DEMONSTRATE A DOWNWARD TREND OF CONFIRMED ALLEGATIONS OF ABUSE OR NEGLECT.

A1

- B. State hospitals will benchmark complaint data among state hospitals in order to identify opportunities to improve performance in upholding patient rights.
- C. Each state hospital will report the findings of all Medicare Complaint visits. Plans of correction for substantiated complaints will be evaluated by the Clinical Performance Indicator Committee (CPIC) to identify system issues and/or opportunities for system improvement.

A1

GOAL 3:

PROVIDE INDIVIDUALIZED AND EVIDENCE BASED TREATMENT: The state hospitals will ensure that hospital staff, in conjunction with the patients and patient's local health authority, determines individualized treatment through comprehensive assessment. Data will be collected to assess each patient's needs and then analyzed to create the information necessary to match evidence based treatment described from analysis of the information gathered from the patient, the family, hospital staff and or local health authority. Treatment priorities will be established based on assessment findings. Patients will be involved in their treatment and patients and family (with the patient's authorization when appropriate) will be educated in order to improve patient outcomes. The highest quality individualized, planned and evidence based-treatment will be provided.

A.	Every state hospital will have a plan developed and approved by the Director of Hospitals Section that will reduce and eventually eliminate the use of behavioral restraint and seclusion.	A1,A2
В.	In keeping with Goal A, state hospitals will reduce the use of behavioral restraint and seclusion based on FY04 performance. Episodes will be reported by: 1. Personal Restraint, 2. Mechanical Restraint, and 3. Seclusion	A1,A2
C.	THE BEHAVIORAL RESTRAINT AND SECLUSION MONITORING INSTRUMENT WILL BE UTILIZED TO ASSURE THE CORRECT IMPLEMENTATION OF RESTRAINT AND SECLUSION WHEN IT IS NECESSARY TO UTILIZE THESE PROCEDURES.	A2
D.	State Hospitals will monitor and evaluate the JCAHO priority focus area of assessment/care/and services through the Clinical Performance Improvement Process. The aggregate information will be evaluated by the CPIC and reported to the Executive Committee.	A2
E.	In order to help clinicians determine whether a patient should be referred for a formalized dangerousness risk assessment upon admission, the Clinical Oversight Committee will coordinate the development of a dangerousness risk screening instrument.	A2
F.	According to the National Patient Safety Goal 9A each state hospital will assess and periodically reassess each patient's risk for falling, including the potential risk associated with the patients medication regime, and take action to address any identified risks.	
G.	State hospitals will develop guidelines for the assessment and management of medical risks in obese patients through the Clinical Oversight Committee.	A2
H.	EVERY PATIENT WITH A DIAGNOSIS OF MAJOR DEPRESSION, SCHIZOPHRENIA, OR BIPOLAR DISORDER WILL BE STAGED ON THE APPROPRIATE ALGORITHM AT LEAST AT DISCHARGE.	A4
I.	State Mental Health Hospitals will adopt Resiliency and Disease Management as guiding principles for service delivery philosophy and integration with community services.	A2

Performance Measures

A.	STATE MH FACILITIES WILL BE MEASURED BY SHOWING A SIGNIFICANT DECEASE OF CLINICAL SYMPTOMS WITH A REDUCTION OF MORE THAN TWELVE (12) POINTS.					
B. GAF: IMPROVEMENT IN PATIENT TREATMENT OUTCOMES IN STAT MH FACILITIES WILL BE ANALYZED BY SHOWING:						
	 THE PERCENT OF PATIENTS RECEIVING CAMPUS SERVICES WHOSE GAF SCORE INCREASED. THE PERCENT OF PATIENTS RECEIVING CAMPUS SERVICES WHOSE GAF SCORE STABILIZE.A2 					
C.	Percentages of patients treated to cure calculated and reported by TCID.	A2				
GOA	L 4					
THA' effect closel mana	EMENT AN EFFECTIVE AND SAFE MEDICATION MANAGEMENT SYSTEM TIMPROVES THE QUALITY OF CARE, TREATMENT, AND SERVICES: An ive and safe medication management system involves multiple services and disciplines working by together to reduce practice variation, errors, and misuse; monitoring medication gement processes; standardizing equipment and processes associated with medication gement and handling all medications in the same manner.					
Perfo	ormance Objectives Key Functions					
A.	Every hospital will successfully implement the WORx pharmacy system based upon the published implementation schedule.	A4				
В.	Chief nurse executives of the state hospitals will decide on a new system for reporting medications errors in all categories and each hospital will ensure successful implementation of the system.					
С.	According to the National Patient Safety Goal 8B, each state hospital will ensure that a complete list of the patient's medications is communicated to the next provider of service when it refers or transfers a patient to another setting, service, practitioner or level of care within OR outside the organization.	A4				
D.	According to the National Patient Safety Goal 3C, each state hospital will identify and, at a minimum, annually review a list of look-alike/sound alike drugs used in the hospital, and take action to prevent errors involving the interchange of these drugs.					

Performance Measures

A. THE NUMBER OF PATIENTS RECEIVING NEW GENERATION ATYPICAL ANTIPSYCHOTIC MEDICATION WILL BE TRACKED AND ANALYZED OUARTERLY.

B1,A4

B. THE COSTS OF NEW GENERATION ATYPICAL ANTIPSYCHOTIC MEDICATION WILL BE TRACKED AND ANALYZED QUARTERLY.

B1,A4

GOAL 5

ASSURE CONTINUUM OF CARE: All state hospitals will collaborate and work cooperatively with designated local health authorities to assure patient access to an integrated system of setting, services, and care levels. To facilitate discharge or transfer, the hospital assesses the patients needs; plans for discharge or transfer process; and helps to ensure that continuity of care, treatment, and services are maintained.

Performance Objectives

Key Functions

A. Dually diagnosed patients with mental illness and mental retardation in state mental health hospitals will be discharged or transferred within 30 days of being placed on the "Patients Determined No Longer in need of Inpatient Hospitalization" list.

A.

B. Each state MH hospital will maintain a current Utilization Management Agreement with all the local health authorities in their service area.

A.

- C. At the end of each quarter patients having been in the state mental health hospital over 365 days will be identified by four categories:
 - 1. need continued hospitalization,
 - 2. accepted for placement,
 - 3. barrier to placement, and
 - 4. criminal court involvement.

The hospital and the local mental health authority will update a new continuity of care plan for any patient who is on the list in category 3. This plan should be developed within 30 days after being identified. The progress of placements from category 3 will be reviewed at each Governing Body meeting.

A.

D. According to the National patient Safety Goal 2C, each state hospital will measure, assess, and if appropriate take action to improve the timeliness of reporting and the timelines of receipt by the responsible licensed caregiver of critical test results and values.

Performance Measures

- A. NUMBER AND TYPE OF ADMISSIONS, DISCHARGES, AND READMISSIONS WILL BE CALCULATED AND REPORTED FOR EACH HOSPITAL ON A QUARTERLY BASIS.
- **A3**
- B. PERCENT OF DISCHARGES RETURNED TO THE COMMUNITY WILL BE CALCULATED ON A QUARTERLY BASIS.
- **A3**

- 7 days or less,
- 8 to 15 days,
- 16 to 30 days,
- -30 to 45 days, and
- -45 to 90 days.
- -91 to 180 days,
- -181 to 365 days and,
- -greater than 365 days.
- C. AVERAGE LENGTH OF STAY IN THE HOSPITAL WILL BE CALCULATED ON A QUARTERLY BASIS FOR THOSE PATIENTS:

-ADMITTED AND DISCHARGED WITHIN 12 MONTHS, AND -ALL DISCHARGES.

GOAL 6

<u>IMPLEMENT AN INTEGRATED PATIENT SAFETY PROGRAM</u>: The state hospitals address the safety of all patients and all staff. Safety priorities should be integrated into all relevant hospital processes, functioning, and services. The program should improve safety by reducing the risk of system and process failures.

Performance Objectives

A. Each state hospital will maintain a prioritized budget list to address needed environmental and physical plant improvements but for which no centralized designated funds have been allocated.

B4

B4

- B. STATE HOSPITALS WILL MANAGE WORKERS' COMPENSATION CLAIM EXPENSES SO THAT AN INDIVIDUAL HOSPITAL TOTAL FY 2005 CLAIMS EXPENSE WILL BE AT OR BELOW THE DOLLAR TARGET AMOUNT ESTABLISHED FOR THAT HOSPITAL.
- C. EMPLOYEE INJURIES RESULTING IN A WORKERS' COMPENSATION CLAIM WILL

D.	State Hospital Infection Control Practitioners (ICP) will develop a system-wide definition for "healthcare acquired (nosocomial) infections" and begin to collect and compare data on facility healthcare acquired infection rates.	B
E.	State Hospital ICP's will monitor facility compliance with Centers for Disease Control (CDC) hand hygiene guidelines and report compliance to State Hospital Section Governing Body.	В
F.	RATE OF PATIENT INJURIES WILL BE CALCULATED, TRENDED AND REVIEWED FOR QUALITY IMPROVEMENT OPPORTUNITIES. INJURIES WILL BE REPORTED BY AGE CATEGORIES AS FOLLOWS: Age 0-17 Age 18-64 Age 65-older	B
G.	WHEN THE USE OF RESTRAINT OR SECLUSION IN A BEHAVIORAL EMERGENCY IS NECESSARY AS A LAST RESORT, THE PROCEDURES WILL BE PERFORMED APPROPRIATELY TO REDUCE THE RISK OF PATIENT INJURY. THE RATE OF PATIENT INJURY FOR FY 05 WILL NOT EXCEED .66 PER 1000 BED DAYS FOR FY 04.	B
Н.	Employees injured during restraint or seclusion will not exceed 1.34 per 1000 bed days across all state hospitals in FY 2005.	B 4
I.	THE RATE OF UNAUTHORIZED DEPARTURES WILL NOT EXCEED .42 PER 1000 BED DAYS ACROSS ALL STATE HOSPITALS DURING FY 2005.	B 4
J.	State Hospitals will monitor and evaluate the JCAHO priority focus area of patient safety through the Clinical Performance Improvement Process. The aggregate information will be evaluated by CPIC and reported to Executive Committee.	
GOAL	L 7	
proces from a	AIN, MANAGE, AND USE INFORMATION: Information management is a set of ses and activities focused on meeting the organizations information needs which are derived thorough analysis of internal and external information requirements. State hospitals will analyze, manage and assure the integrity and accuracy of data in order to use information to	

Performance Objectives

governance, management and support processes.

Key Functions

B2

A. CPIC will review Performance Measures for new Data Integrity Review (DIR) focus and submit to Executive Committee of Governing Body in Q1 FY05.

enhance and improve individual and organizational performance in patient treatment, safety,

1	implemented on September 30, 2004.
	Service level agreements with Statewide Information Services will be completed and implemented on September 30, 2004.

D. State Hospitals will monitor medical records delinquency rates. The average of the total number of delinquent records calculated form the last four quarterly measurements will not exceed 50 percent of the average monthly discharges. These data are trended and performance improvement initiatives are taken as appropriate.

GOAL 8

ASSURE A COMPETENT WORKFORCE: The State Hospital Section provides leadership, resources, and expectations that hospitals create an environment that fosters self-development and continued learning to support the organization's mission. This function focuses on essential processes which includes planning that defines the qualifications competencies and staffing needed to carry out the organization's mission; providing competent members either through traditional employer-employee arrangements on contractual arrangement; developing and implementing processes designed to ensure the competence of all staff members is assessed, maintained, improved and demonstrated throughout their association with the organization; and providing a work environment that promotes self-development and learning.

Performance Objectives

Key Functions

A. 95 PERCENT OF ALL STAFF WILL BE CURRENT WITH REQUIRED TRAINING AT ALL TIMES.

В3

B. 97 PERCENT OF ALL STAFF WILL HAVE CURRENT DATE PERFORMANCE EVALUATIONS ON FILE AT ALL TIMES.

В3

B2

B2

B2

C. Each hospital will identify, track, and analyze two clinical/service-screening indicators in combination with two human resource-screening indicators to assess staffing effectiveness. At least one of the human resources and one of the clinical/service screening indicators must be selected from a list of Joint Commission identified screening indicators.

B3

Performance Measures

"STAFF TURNOVER" RATES FOR CRITICAL SHORTAGE STAFF WILL BE MAINTAINED AND REPORTED QUARTERLY.

GOAL 9

<u>Improve Organizational Performance</u>: Performance improvement focuses on outcomes of care, treatment, and services. This goal focuses on designing an effective and continuous program to systematically measure performance through data collection, assess current performance and improve performance, patient safety and business process outcomes.

Performance Objectives

Key Functions

- A. CHILDREN AND PARENT(S) OR THE LEGALLY AUTHORIZED REPRESENTATIVE WILL BE SATISFIED WITH THE TREATMENT AND SAFE MILIEU PROVIDED IN STATE MENTAL HEALTH HOSPITALS BY ACHIEVING THE FOLLOWING AVERAGE RESPONSE ON THE PATIENT SATISFACTION SURVEYS (PSAT):
 - 1. AN AVERAGE SCORE OF "4" ON THE PARENT SATISFACTION SURVEY.
 - 2. AN AVERAGE SCORE OF "1.698" ON THE CHILDREN SATISFACTION SURVEY.

B6

B. ADULTS AND ADOLESCENTS WILL BE SATISFIED WITH THEIR CARE AT STATE MENTAL HEALTH HOSPITALS AS REPRESENTED BY ACHIEVING AN AVERAGE SCORE OF 3.60 ON THE NRI INPATIENT CONSUMER SURVEY.

B6

- C. The Clinical Performance Improvement Committee (CPIC) will implement the Tracer Methodology System for monitoring patient care, aggregate the findings from the tracer review and evaluate the system. Findings will be reported to the Executive Committee of the Governing Body.
- D. Each State Hospital will prepare a status report on the implementation of the CPIC Plan for FY 05 by June 2005. CPIC will review and incorporate recommendation into the CPIC Plan for FY 06.

B6

E. Regularly scheduled assessments will be conducted using established criteria and improvement opportunities identified by each state hospital on the following Facility Support Performance Indicators (FSPI):

B6

- Fleet Management
- Fixed Assets
- Maintenance
- Consumer Monies
- Vocational Services
- Community Relations
- Food Service
- Risk Management
- Cash Receipts

- Petty Cash
- Pharmacy Inventory Controls
- Medication Room Controls
- HRD
- Facility CMM
- Procurement Card Controls
- Warehousing
- Accounting
- Facility Personnel Actions
- CAFM
- Information/LAN Security

GOAL 1: Provide Leadership

Performance Objective 1C:

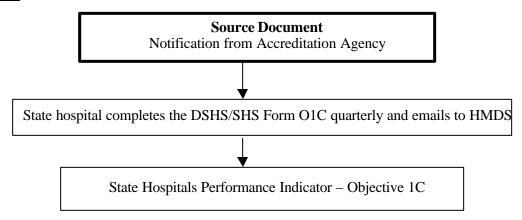
State hospitals will maintain Joint Commission on Accreditation of Healthcare Organization (JCAHO) accreditation, Medicare certification, Institute of Mental Diseases (IMD) certification and Intermediate Care Facility-Mental Retardation (ICF-MR) where appropriate during FY 2005.

<u>Performance Objective Operational Definition:</u> The state hospital's current status in JCAHO accreditation, Medicare certification (based on the last Medicare-related survey [TDH or CMS]), ICF-MR certification, and IMD review.

Performance Objective Data Display and Chart Description:

Table shows the date, grid score and year accredited by JCAHO; Medicare last date certified and the number of certified beds; number of Medicare complaint visits; date of the last IMD Review; and ICF-MR last date certified and number of certified beds for individual state hospital.

Data Flow:



Data Integrity Review Process:

N/A

Objective 1C - Maintain Accreditation and Certifications (As of February 28, 2005)

<u>-</u>	ASH	BSSH	EPPC	KSH	NTSH	RGSC	RSH	SASH	TSH	WCFY
JCAHO Accreditation										
Date of accreditation:	Jun-03	Jan-03	Aug-03	Jul-03	Mar-04	Apr-02	Mar-04	Aug-04	Aug-04	Jul-04
Years accredited:	3	3	3	3	3	3	3	3	3	3
Medicare Certification										
No. certified beds:	201	104	40	80	100	27	106	160	94	N/A
No. of Complaint Visits for Q2	1	1	0	0	0	0	1	2	0	N/A
No. of Complaint Visits for FYTD	2	2	0	0	1	1	1	4	1	N/A
Date of last IMD Review:	May-04	Jul-03	N/A	Dec-03	Jul-04	N/A	Oct-03	Oct-03	May-04	N/A
ICF-MR Certification										
Last date certified:	N/A	N/A	N/A	N/A	N/A	Nov-04	N/A	N/A	N/A	N/A
No. certified beds:	N/A	N/A	N/A	N/A	N/A	110	N/A	N/A	N/A	N/A

^{*}Based on the Behavioral Health Care Accreditation Standards

Source: Facility Survey JCAHO Grid Score: Mental Health Services Department

Performance Objective 1D:

FY2005 revenue targets for Medicare, Texas Health Steps, Institute for Mental Diseases (IMD), and Private Source funds will be met by each state hospital so as to satisfy specific methods of finance.

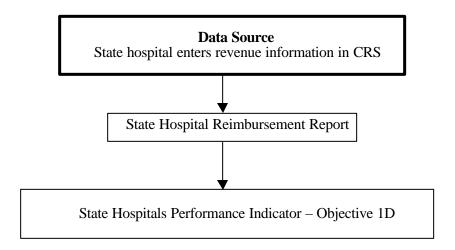
<u>Performance Objective Operational Definition:</u> The state hospital collections for Medicare, THSteps, Private Source, and IMD per month.

<u>Performance Objective Formula:</u> Collections per individual category and total collections are reported monthly in CRS.

Performance Objective Data Display and Chart Description:

- ♦ Chart with monthly data points of revenue collection and accrued from each source for individual state hospital and system-wide.
- ♦ Chart with monthly data points of progress toward annual target from each source for individual state hospital and system-wide.

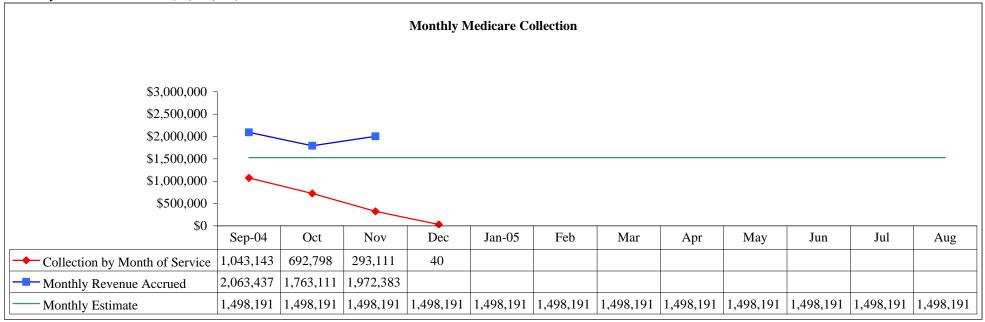
Data Flow:

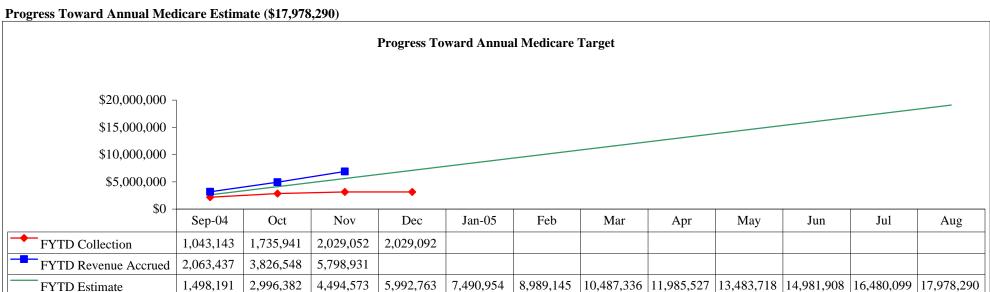


Data Integrity Review Process:

N/A

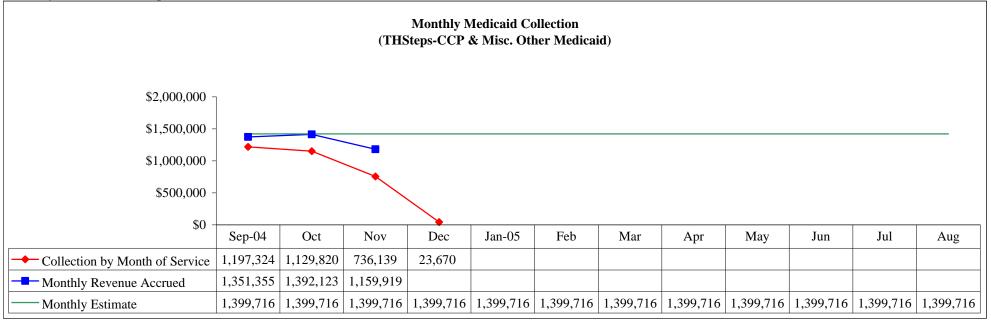
Objective 1D - FY 2005 Revenue Estimates All Mental Health Facilities Monthly Medicare Estimate (\$1,498,191)



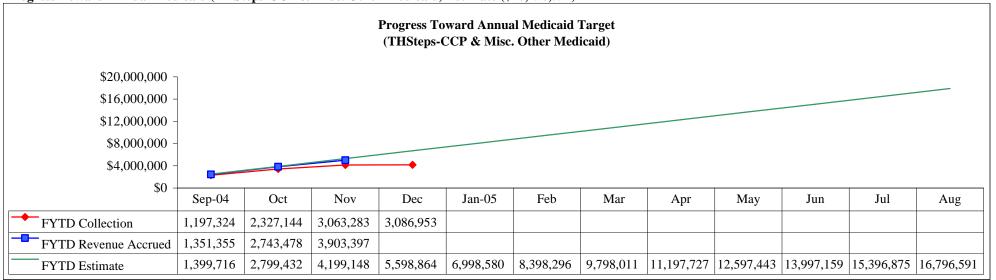


Objective 1D - FY 2005 Revenue Estimates All Mental Health Facilities

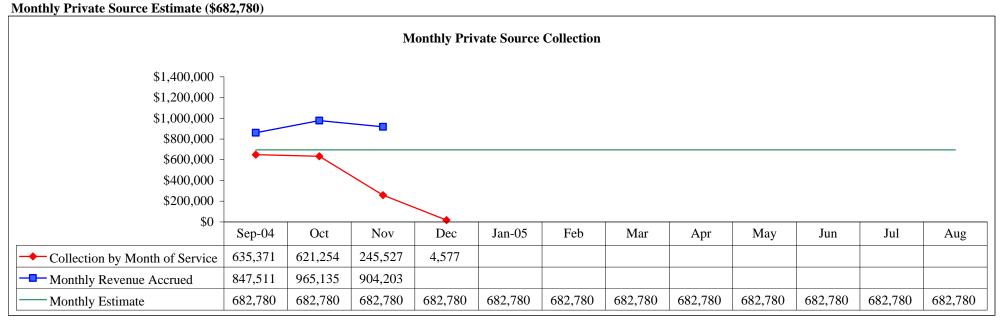
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$1,399,716)

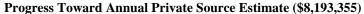


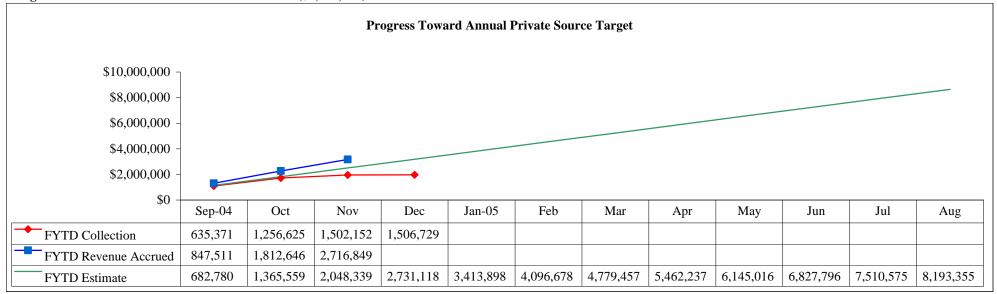
Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$16,796,591)



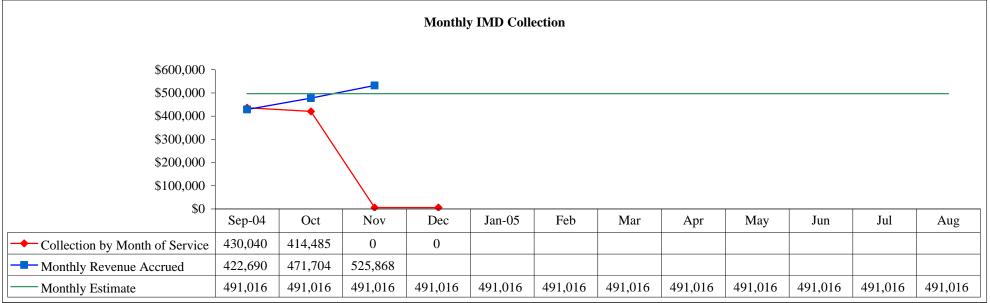
Objective 1D - FY 2005 Revenue Estimates All Mental Health Facilities

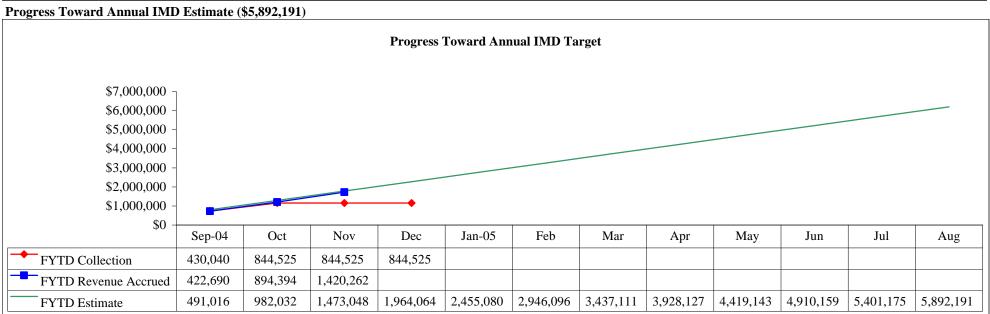




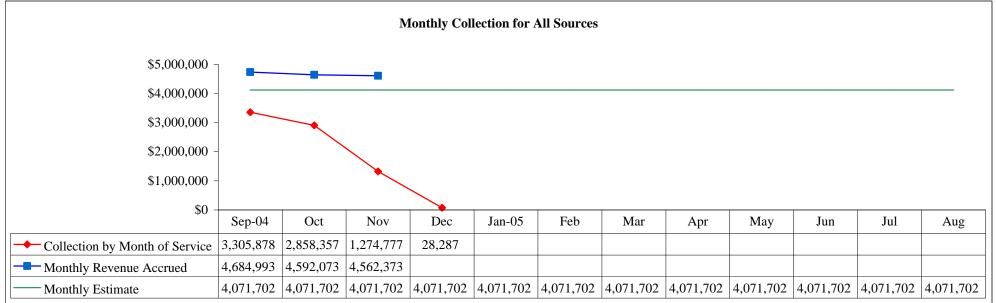


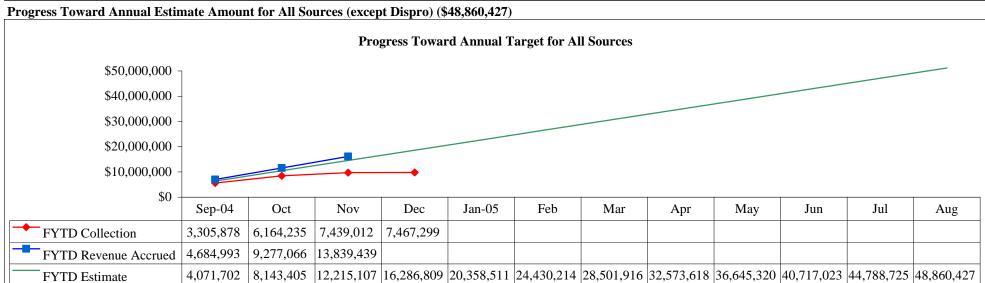
Objective 1D - FY 2005 Revenue Estimates All Mental Health Facilities Monthly IMD Estimate (\$491,016)





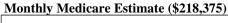
Objective 1D - FY 2005 Revenue Estimates All Mental Health Facilities Monthly Estimate for All Sources (except Dispro) (\$4,071,702)

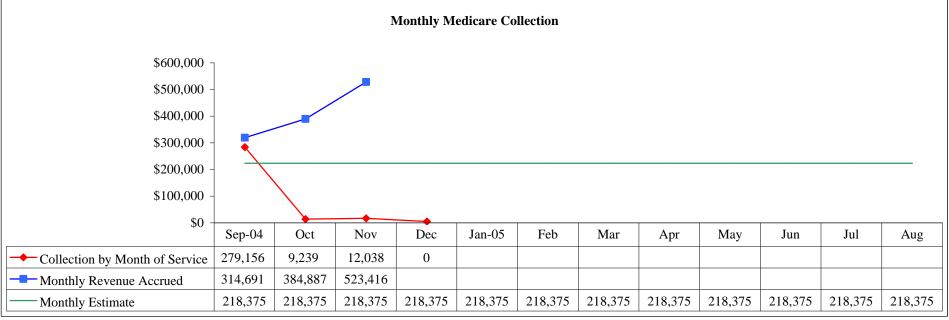




December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimates Austin State Hosptial





Progress Toward Annual Medicare Estimate (\$2,620,500)

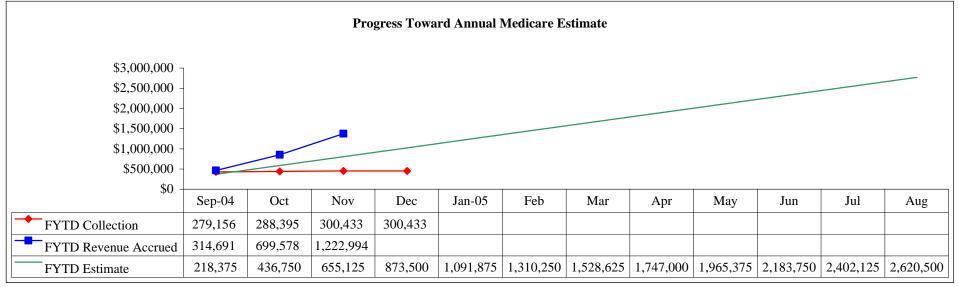
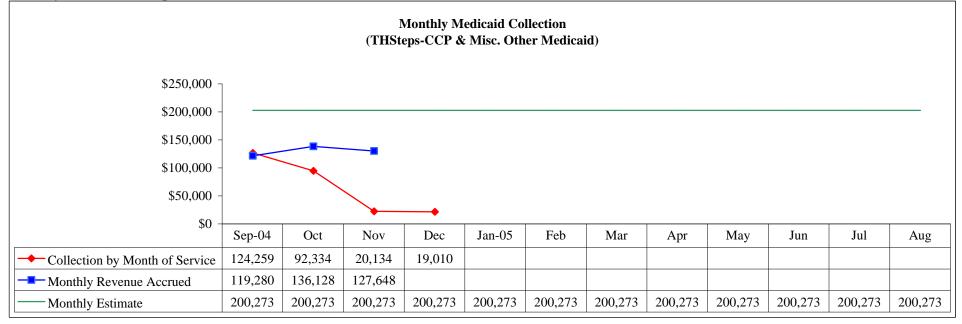


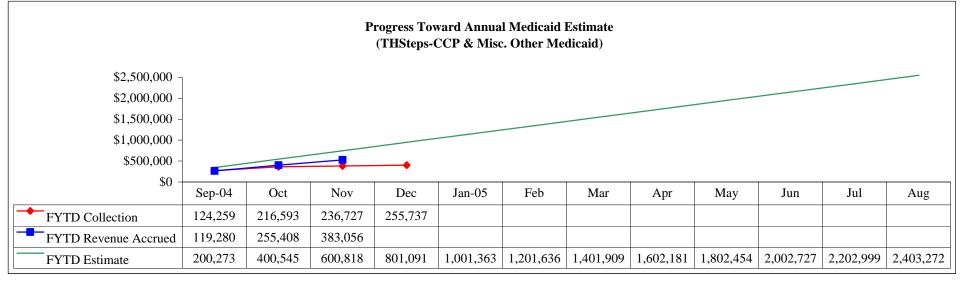
Chart: Hospital Management Data Services

Objective 1D - FY 2005 Revenue Estimates Austin State Hosptial

Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$200,273)



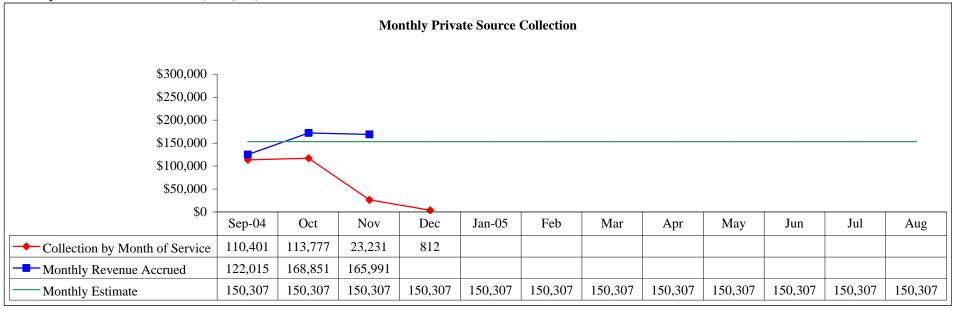
Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$2,403,272)



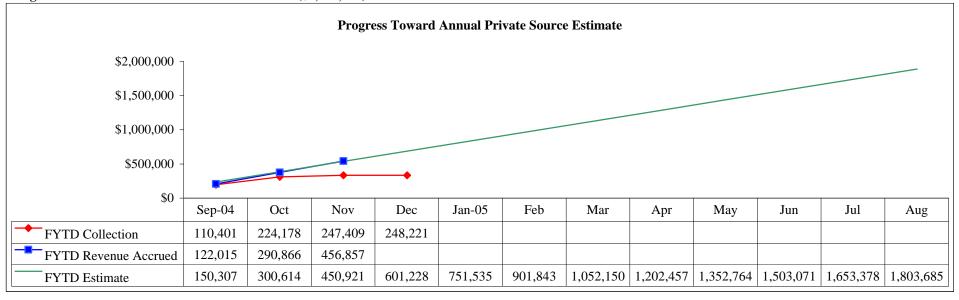
Source: MH Monthly Reimbursement Report

Chart: Hospital Management Data Services

Objective 1D - FY 2005 Revenue Estimates Austin State Hosptial Monthly Private Source Estimate (\$150,307)

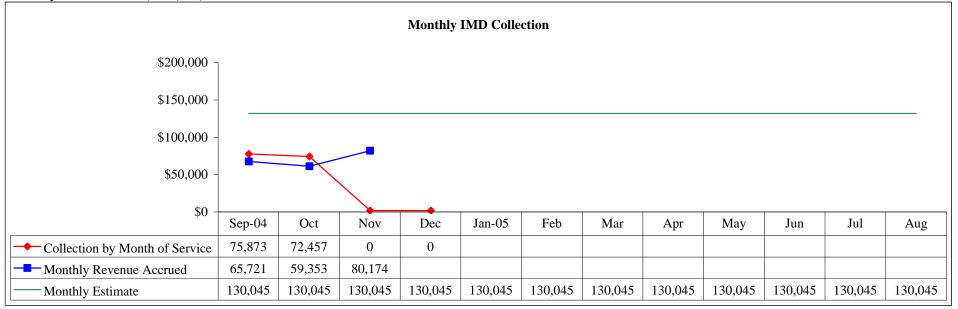






Objective 1D - FY 2005 Revenue Estimates Austin State Hosptial

Monthly IMD Estimate (\$130,045)





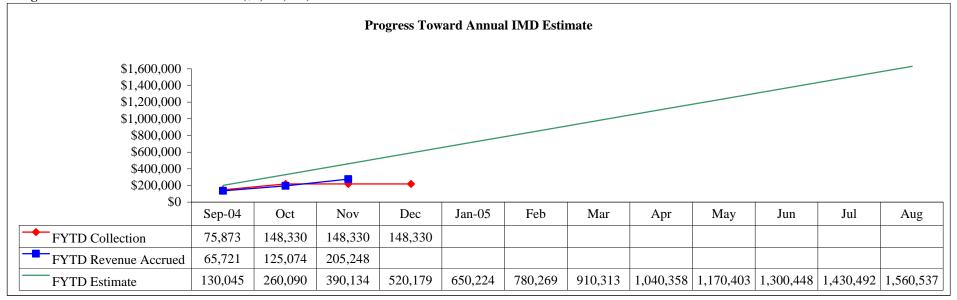
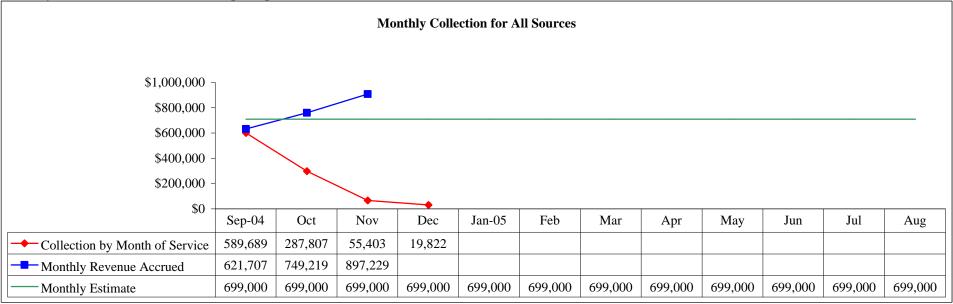


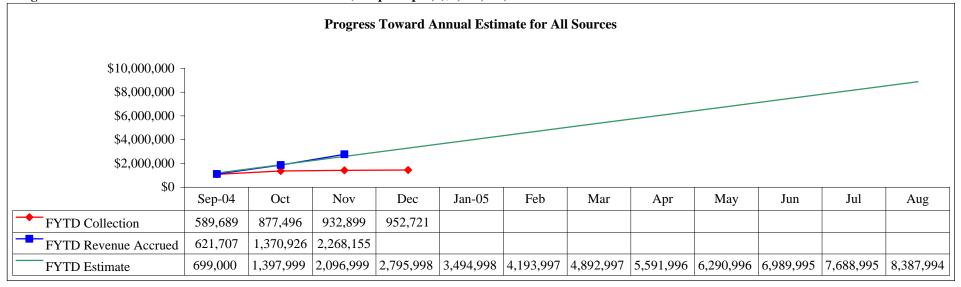
Chart: Hospital Management Data Services

Objective 1D - FY 2005 Revenue Estimates Austin State Hosptial





Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$8,387,994)

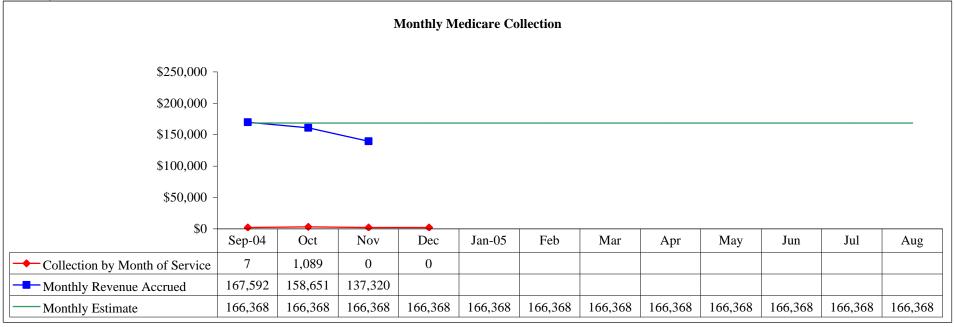


December Revenue Accrued information not available at this time.

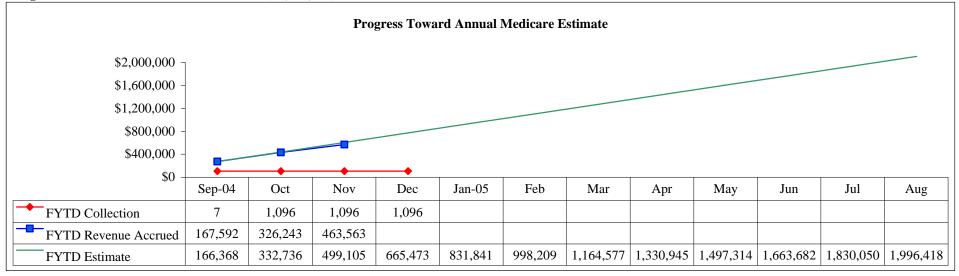
Chart: Hospital Management Data Services

Objective 1D - FY 2005 Revenue Estimates Big Spring State Hospital

Monthly Medicare Estimate (\$166,368)

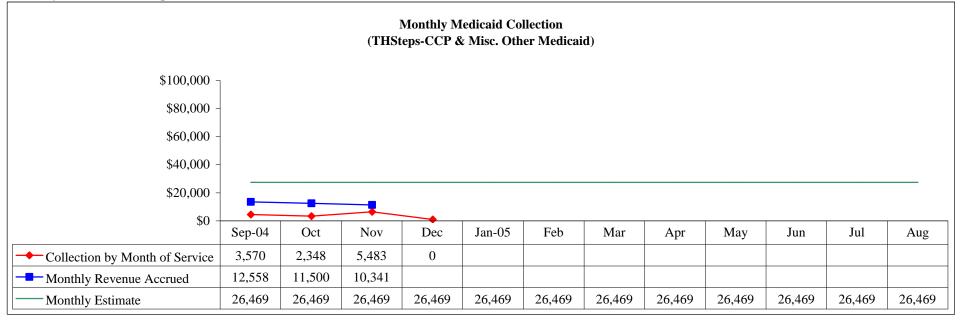


Progress Toward Annual Medicare Estimate (\$1,996,418)

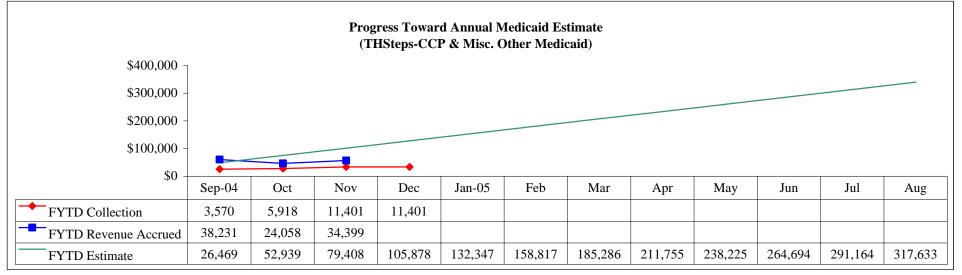


Objective 1D - FY 2005 Revenue Estimates Big Spring State Hospital

Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$26,469)

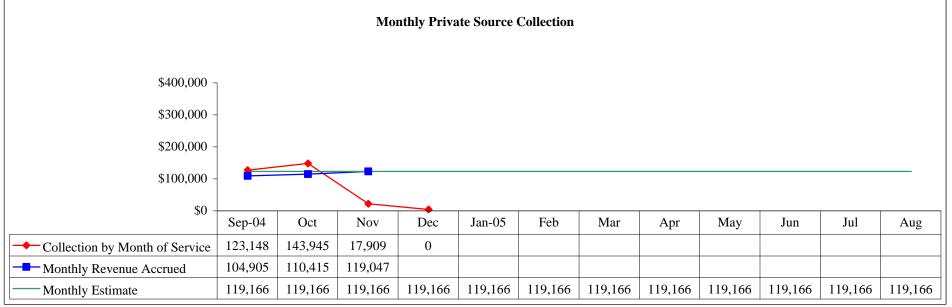


Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$317,633)

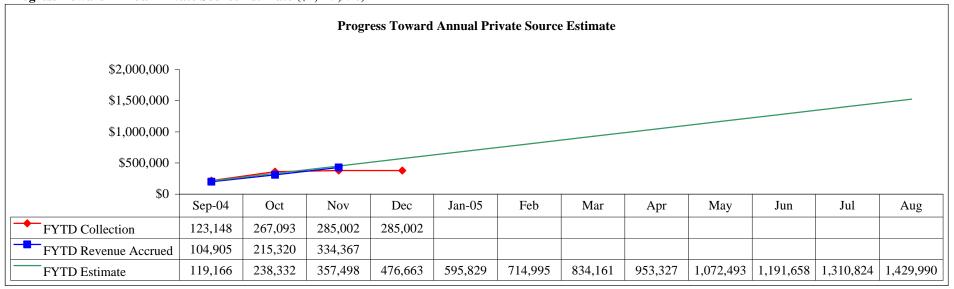


Objective 1D - FY 2005 Revenue Estimates Big Spring State Hospital



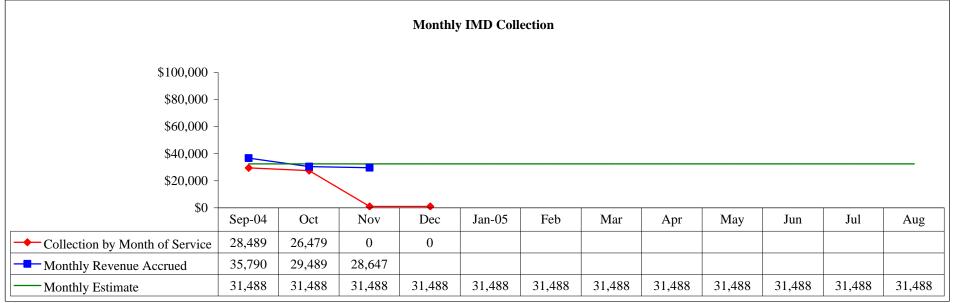


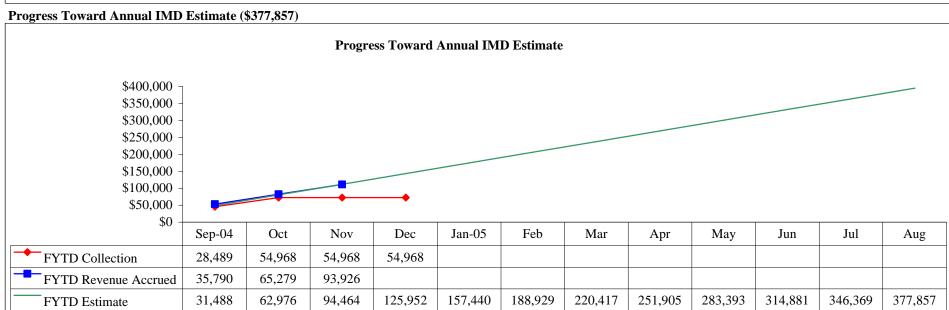




Objective 1D - FY 2005 Revenue Estimates Big Spring State Hospital

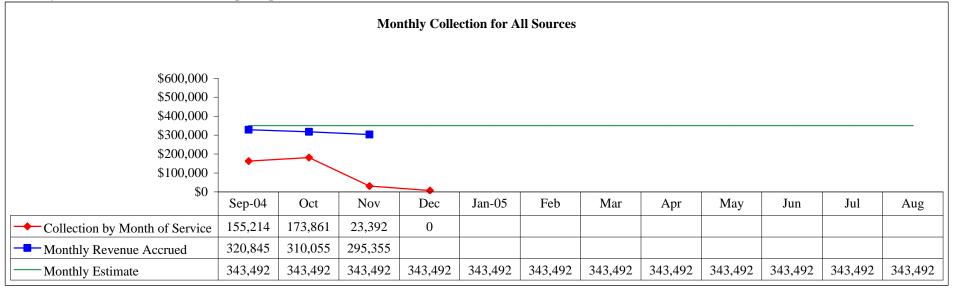
Monthly IMD Estimate (\$31,488)



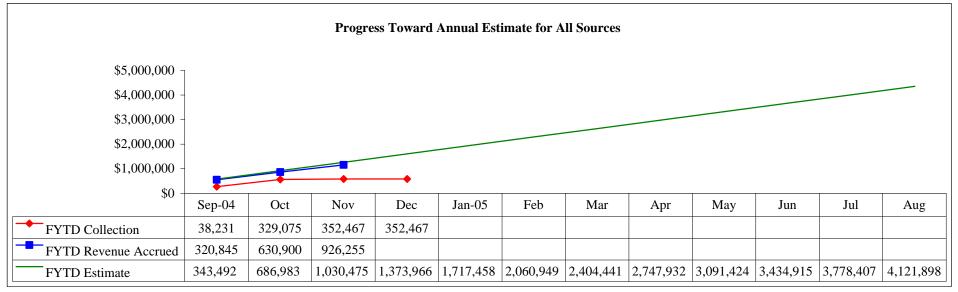


Objective 1D - FY 2005 Revenue Estimates Big Spring State Hospital

Monthly Estimate For All Sources (except Dispro) (\$343,492)



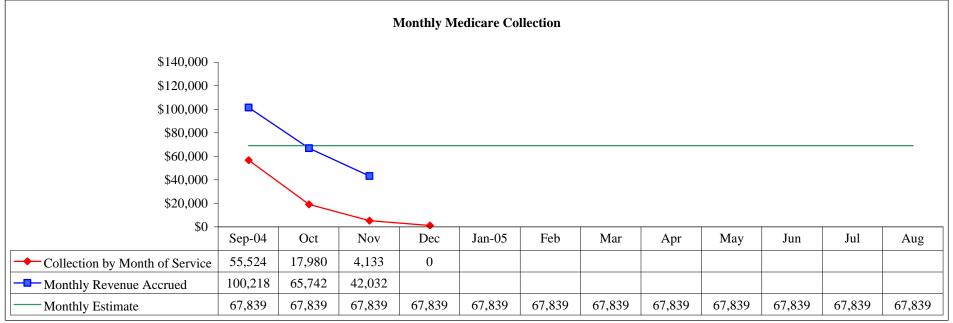
Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$4,121,898)



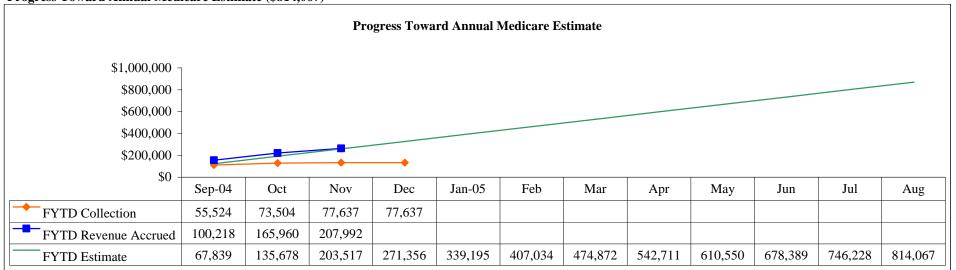
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimates El Paso Psychiatric Center

Monthly Medicare Estimate (\$67,839)

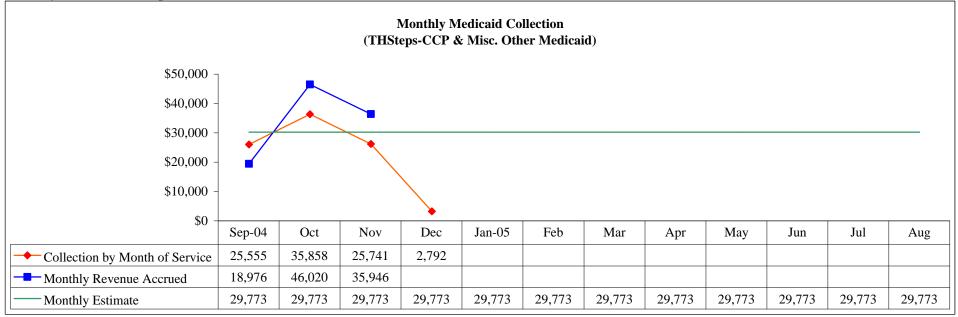




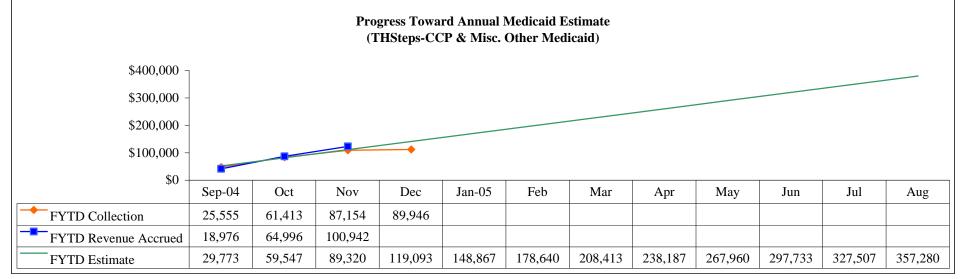


Objective 1D - FY 2005 Revenue Estimates El Paso Psychiatric Center

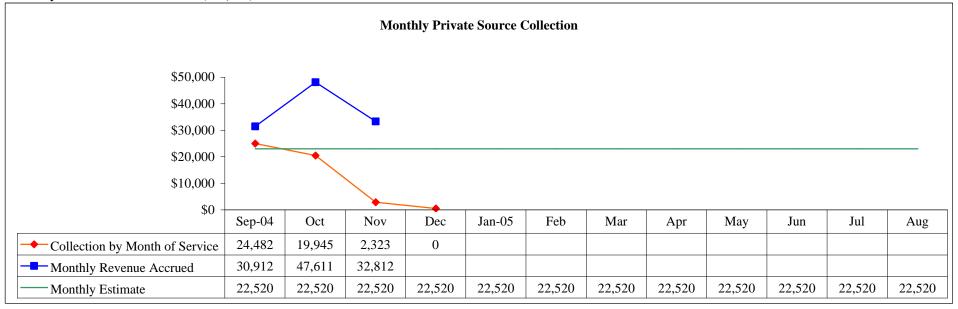
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$29,773)

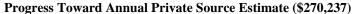


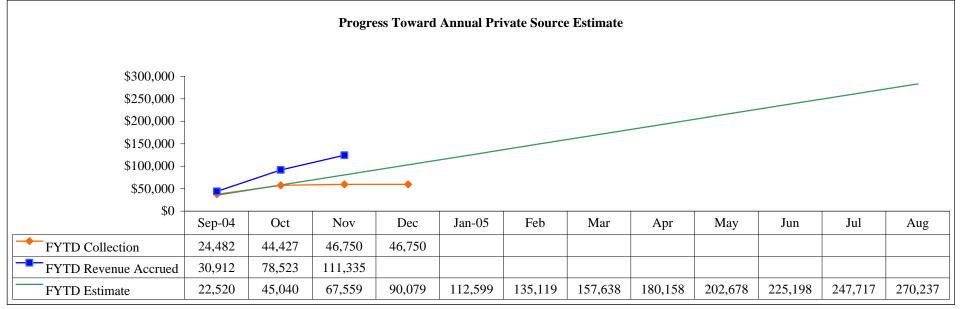
Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$357,280)



Objective 1D - FY 2005 Revenue Estimates El Paso Psychiatric Center Monthly Private Source Estimate (\$22,520)

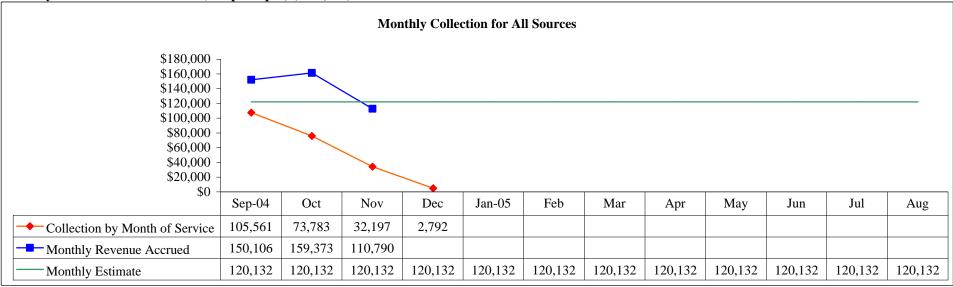




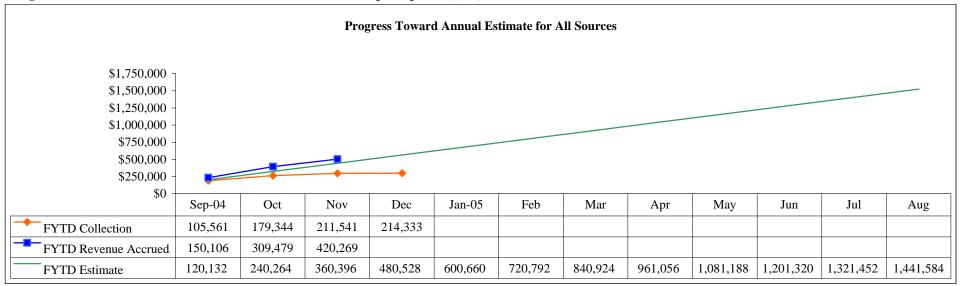


Objective 1D - FY 2005 Revenue Estimates El Paso Psychiatric Center

Monthly Estimate For All Sources (except Dispro) (\$120,132)



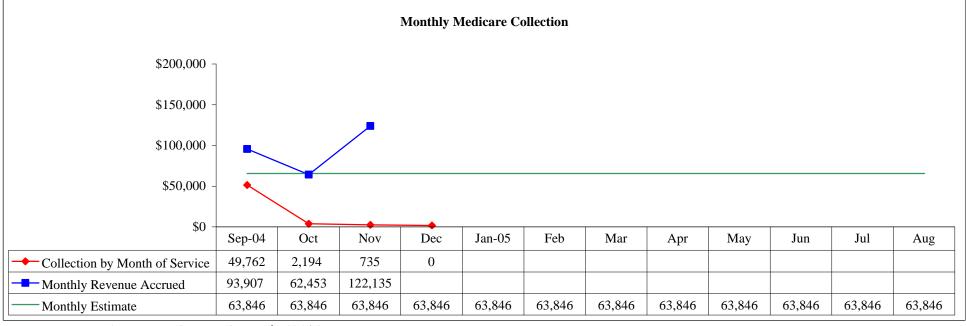
Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$1,441,584)



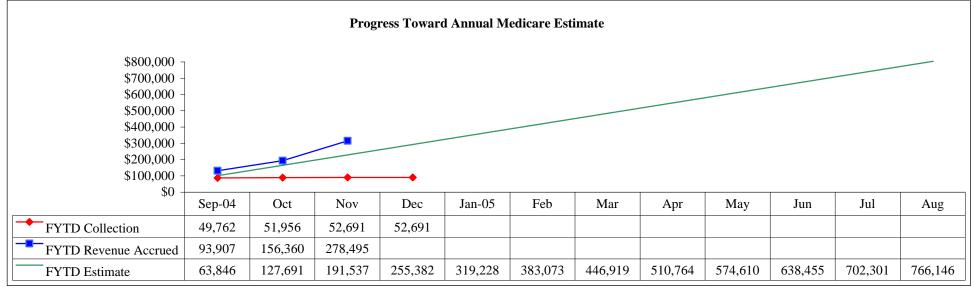
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate Kerrville State Hospital

Monthly Medicare Estimate (\$63,846)

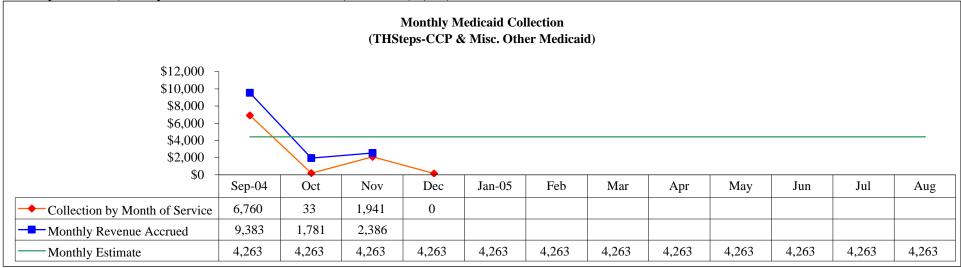


Progress Toward Annual Medicare Estimate (\$766,146)

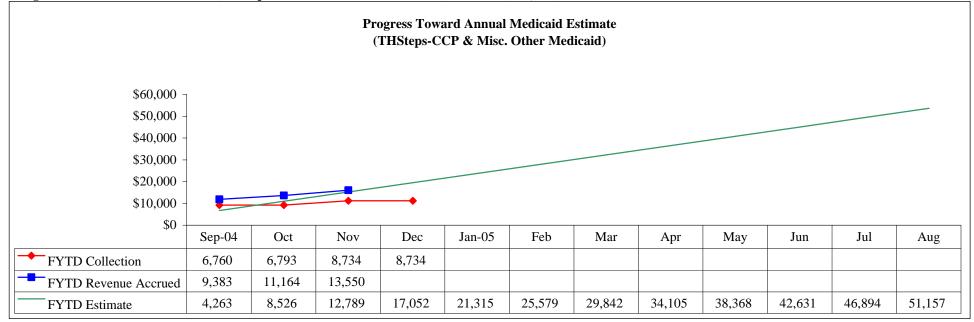


Objective 1D - FY 2005 Revenue Estimate Kerrville State Hospital

Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$4,263)

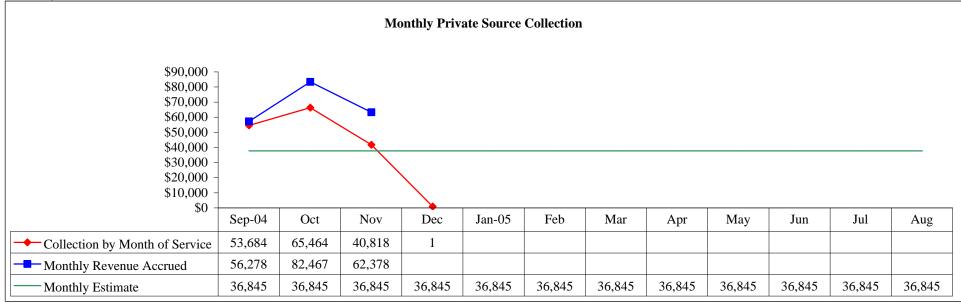


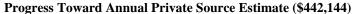
Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$51,157)

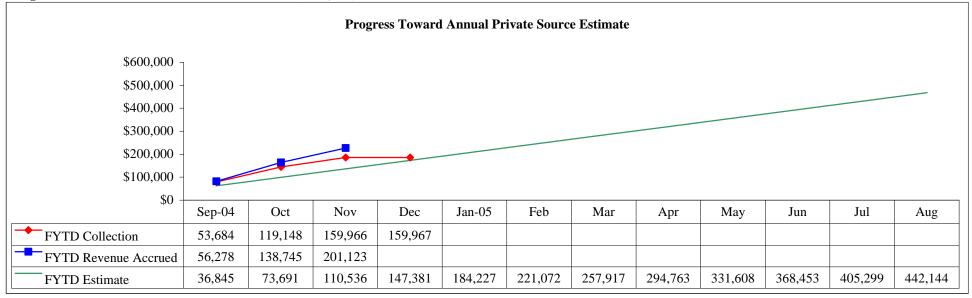


Objective 1D - FY 2005 Revenue Estimate Kerrville State Hospital

Monthly Private Source Estimate (\$36,845)

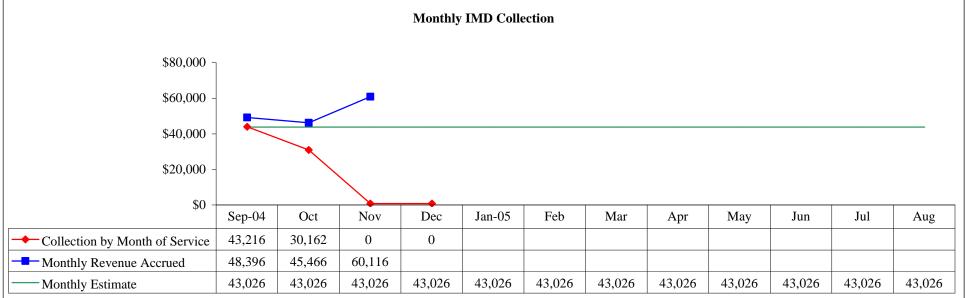




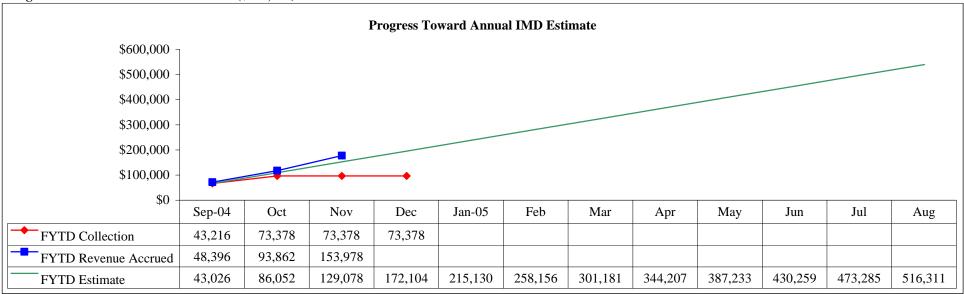


Objective 1D - FY 2005 Revenue Estimate Kerrville State Hospital



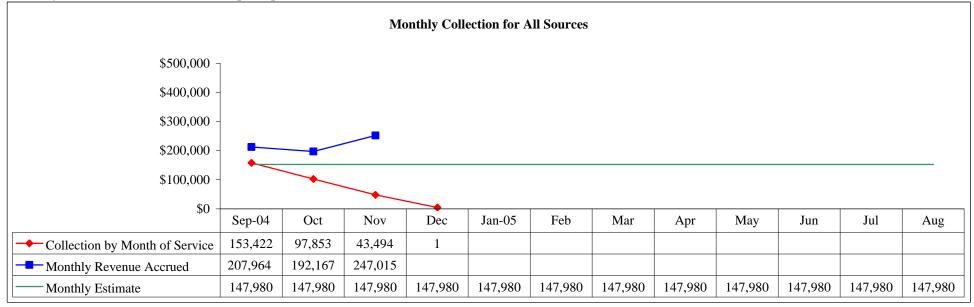




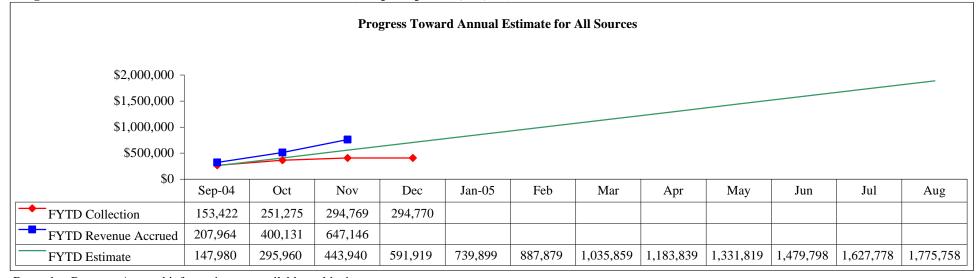


Objective 1D - FY 2005 Revenue Estimate Kerrville State Hospital

Monthly Estimate For All Sources (except Dispro) (\$147,980)

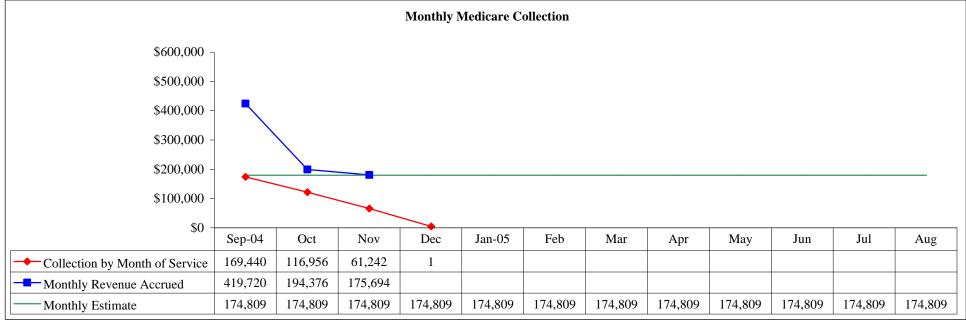


Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$1,775,758)

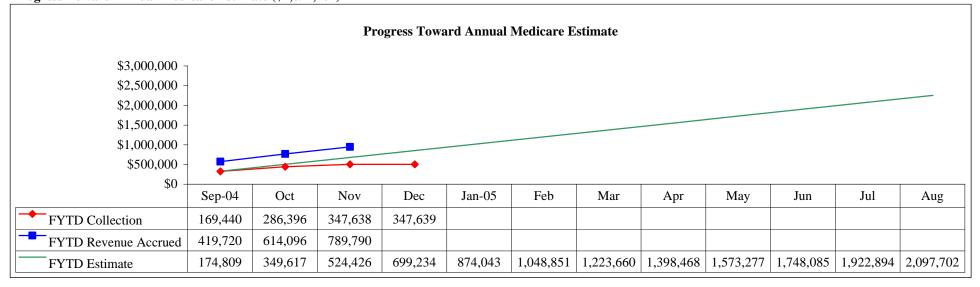


December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate North Texas State Hospital Monthly Medicare Estimate (\$174,809)

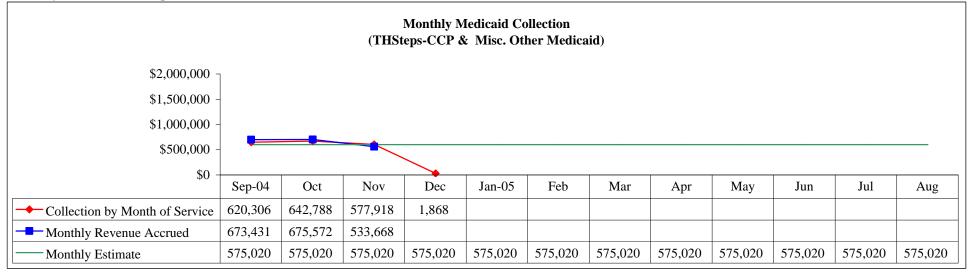




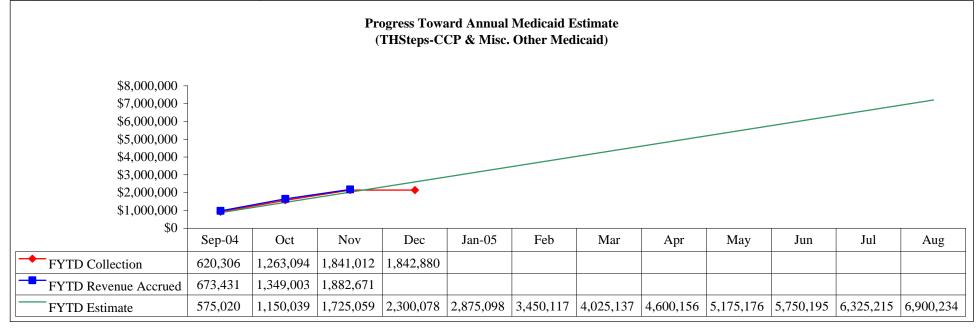


Objective 1D - FY 2005 Revenue Estimate North Texas State Hospital

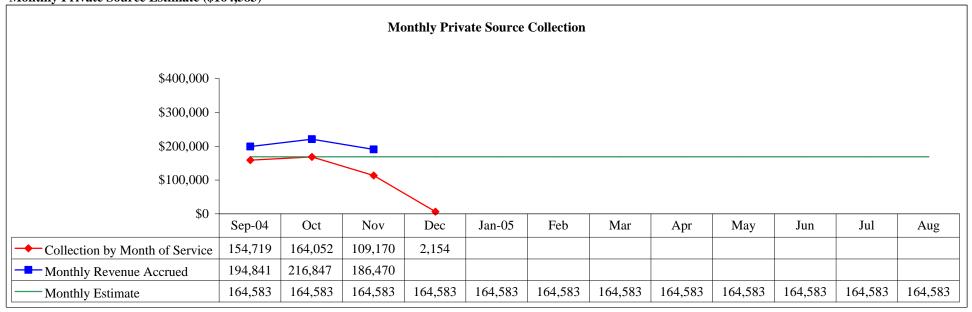
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$575,020)

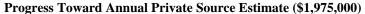


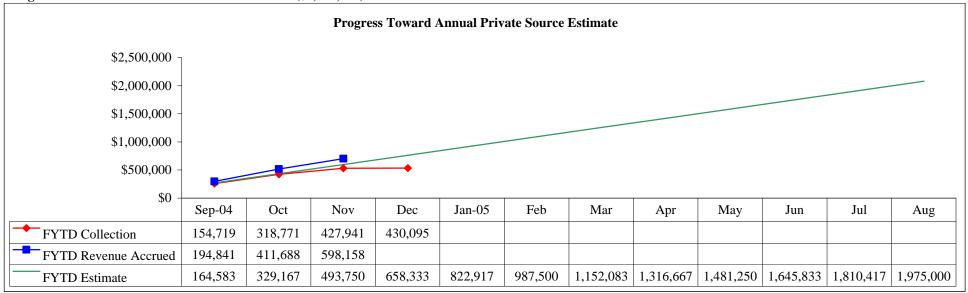




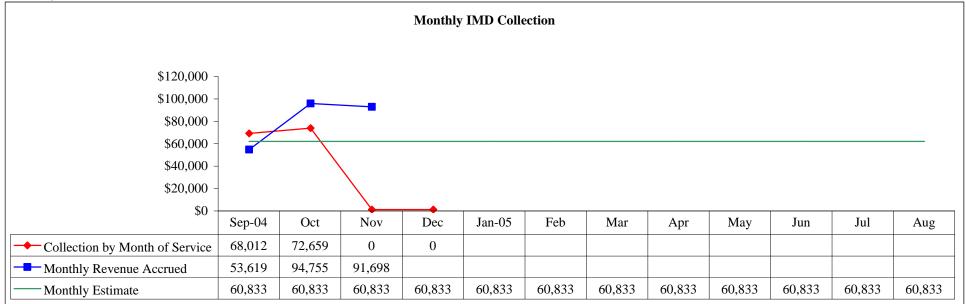
Objective 1D - FY 2005 Revenue Estimate North Texas State Hospital Monthly Private Source Estimate (\$164,583)

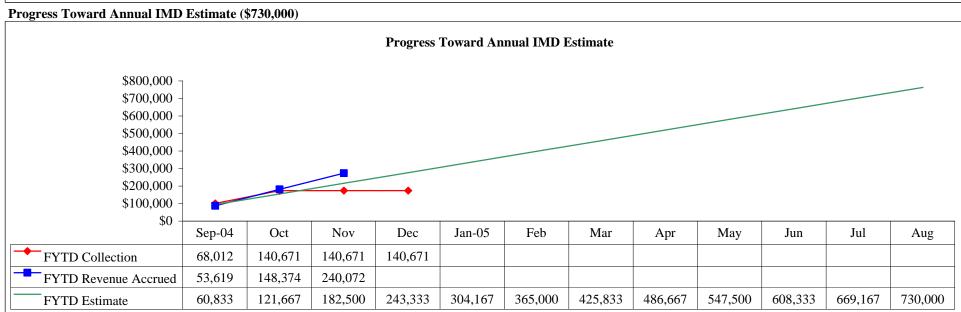




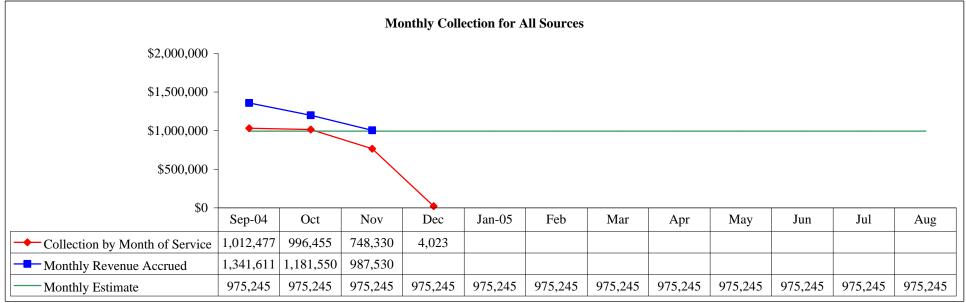


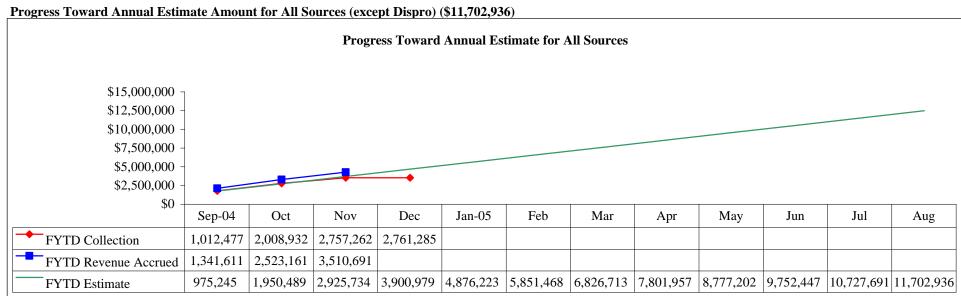
Objective 1D - FY 2005 Revenue Estimate North Texas State Hospital Monthly IMD Estimate (\$60,833)





Objective 1D - FY 2005 Revenue Estimate North Texas State Hospital Monthly Estimate For All Sources (except Dispro) (\$975,245)

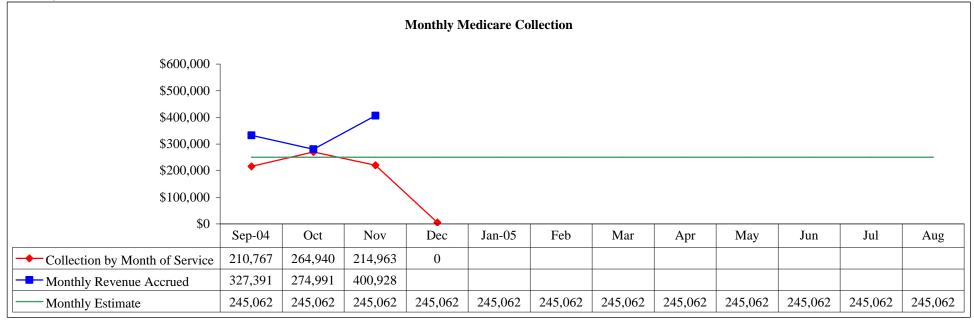




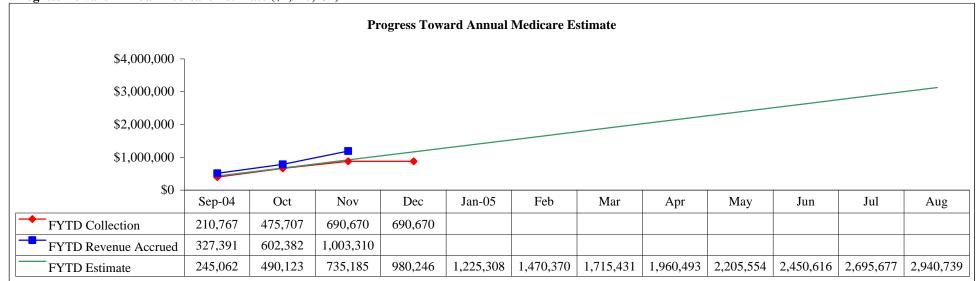
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate Rusk State Hospital

Monthly Medicare Estimate (\$245,062)

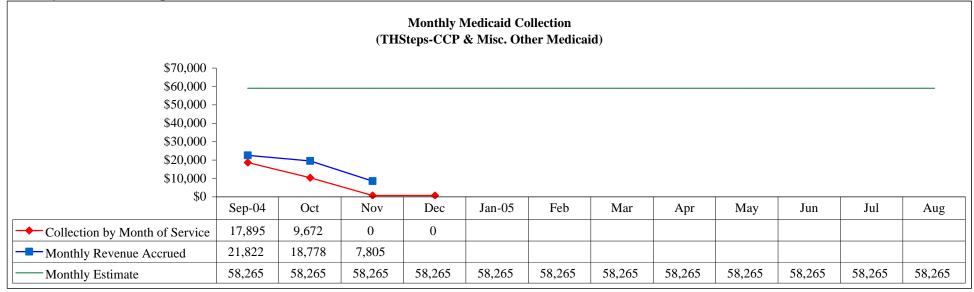




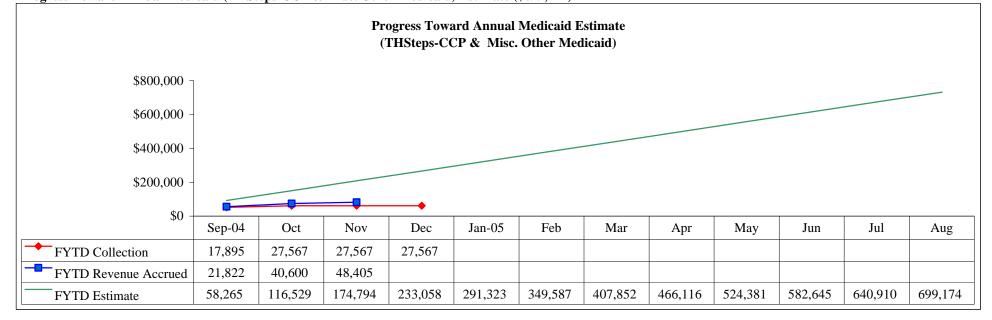


Objective 1D - FY 2005 Revenue Estimate Rusk State Hospital

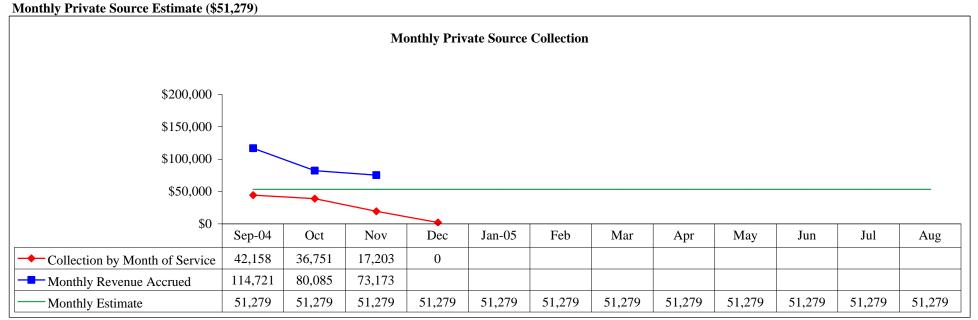
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$58,265)

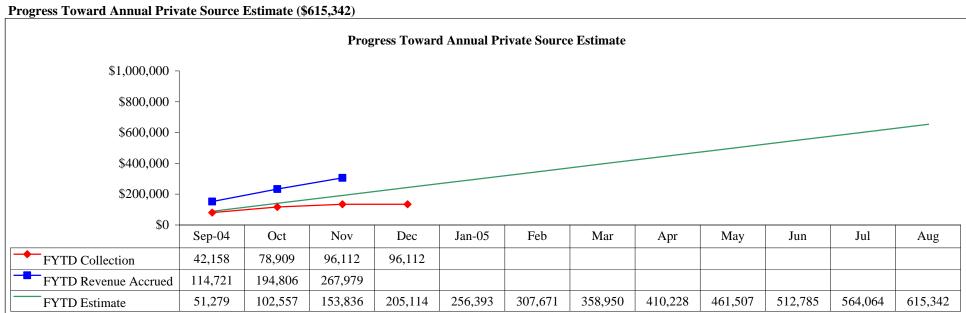


Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$699,174)



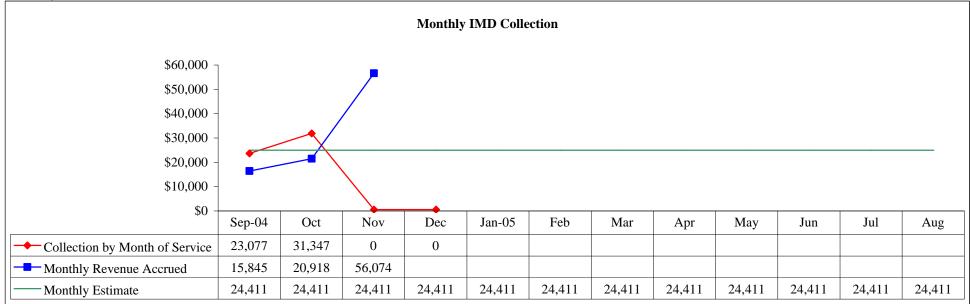
Objective 1D - FY 2005 Revenue Estimate Rusk State Hospital

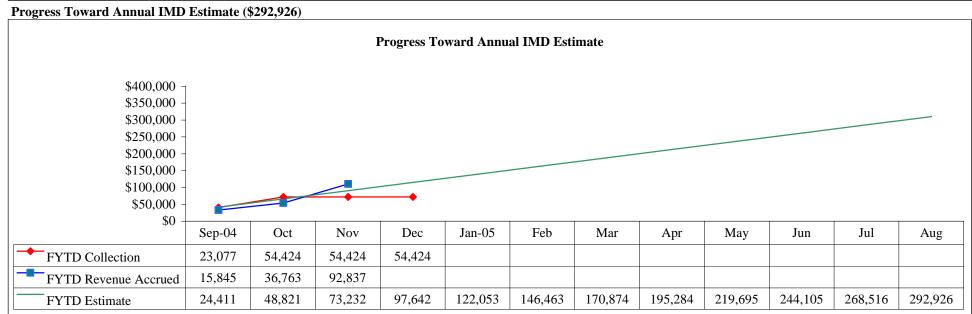




Objective 1D - FY 2005 Revenue Estimate Rusk State Hospital

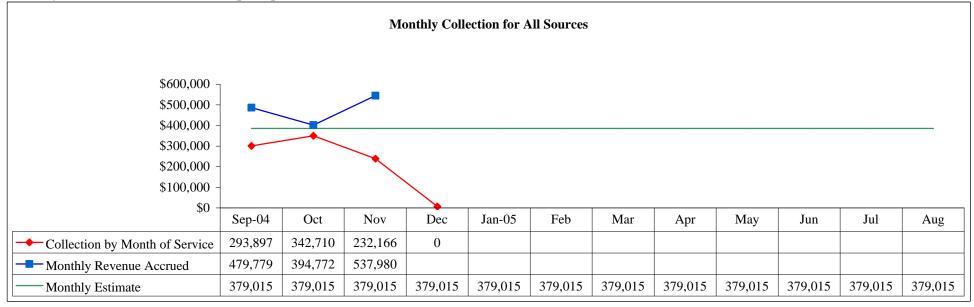
Monthly IMD Estimate (\$24,411



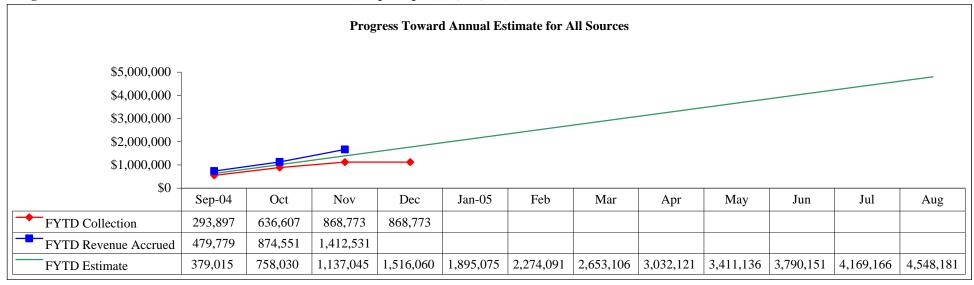


Objective 1D - FY 2005 Revenue Estimate Rusk State Hospital

Monthly Estimate For All Sources (except Dispro) (\$379,015)

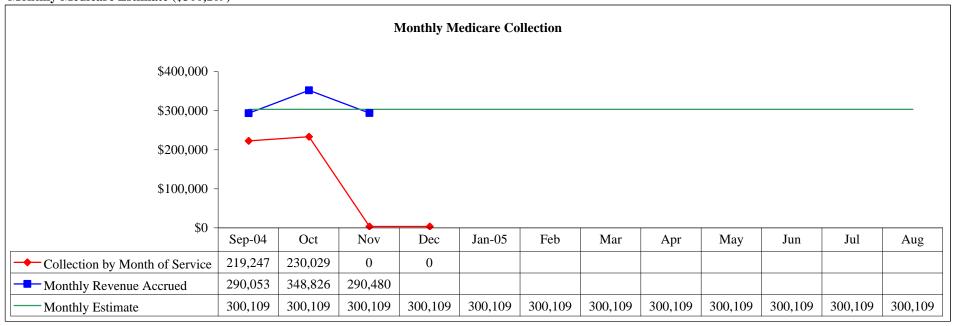


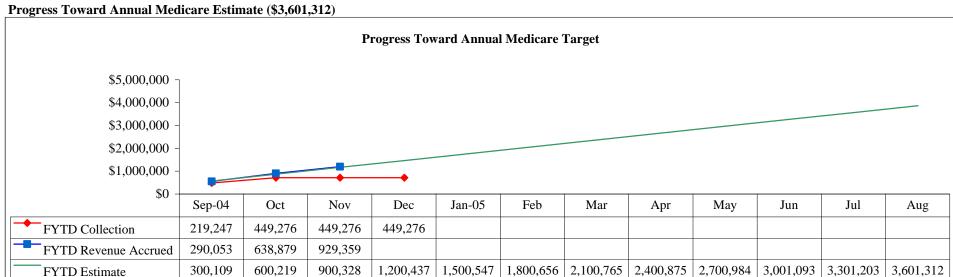
Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$4,548,181)



December Revenue Accrued information not available at this time.

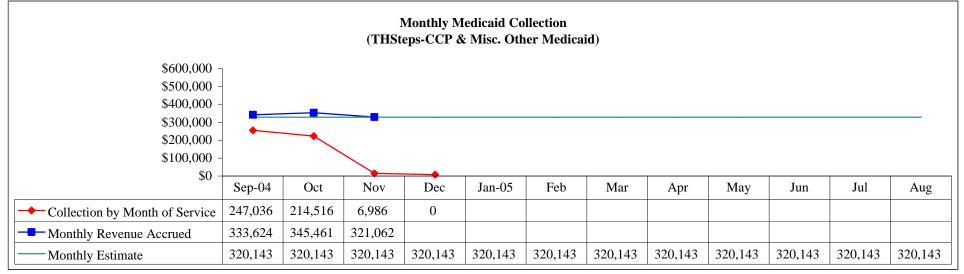
Objective 1D - FY 2005 Revenue Estimate San Antonio State Hospital Monthly Medicare Estimate (\$300,109)



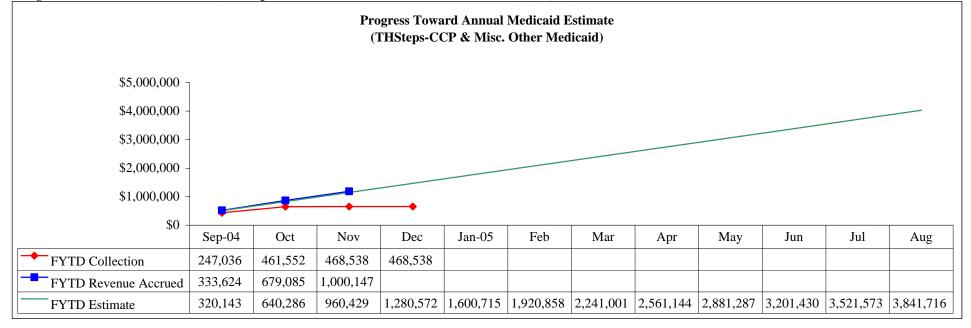


Objective 1D - FY 2005 Revenue Estimate San Antonio State Hospital

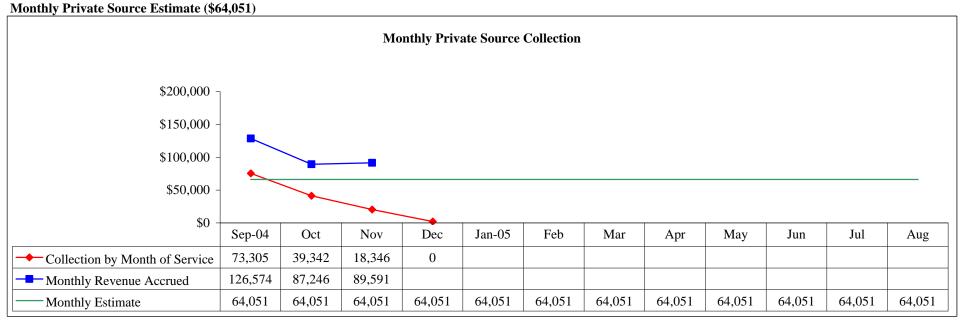
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$320,143)

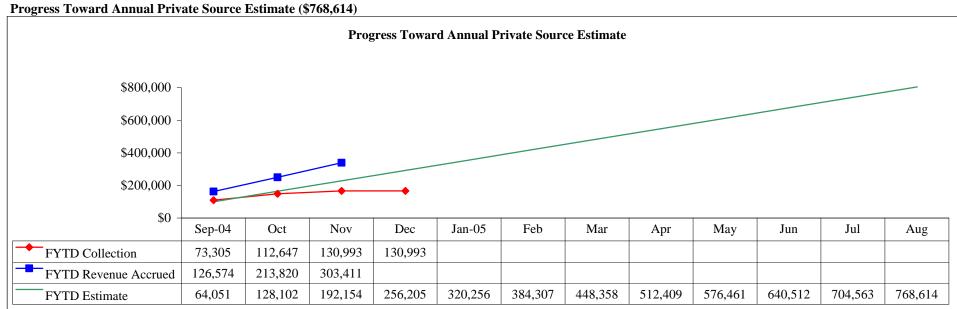


Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$3,841,716)



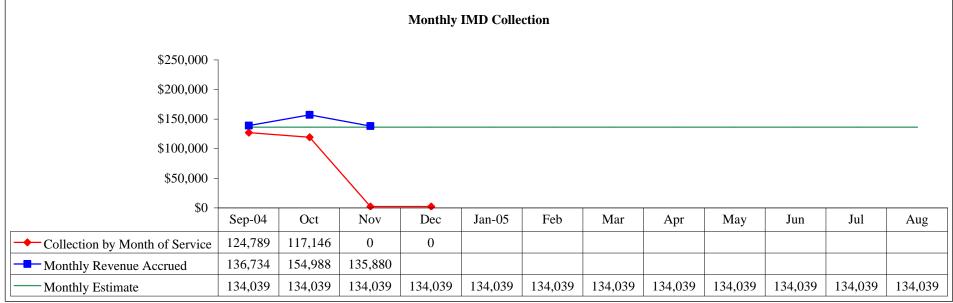
Objective 1D - FY 2005 Revenue Estimate San Antonio State Hospital

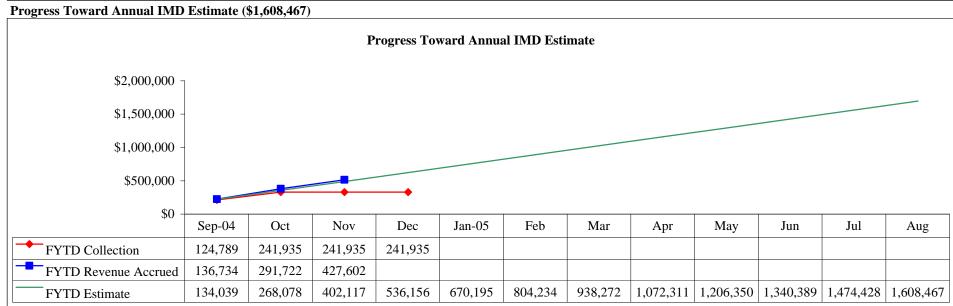




Objective 1D - FY 2005 Revenue Estimate San Antonio State Hospital

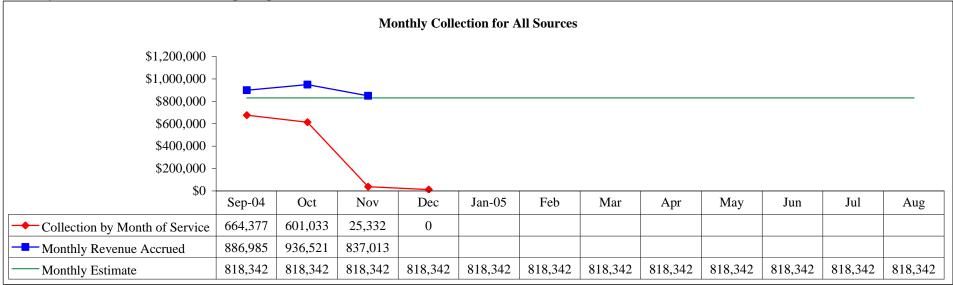
Monthly IMD Estimate (\$134,039)



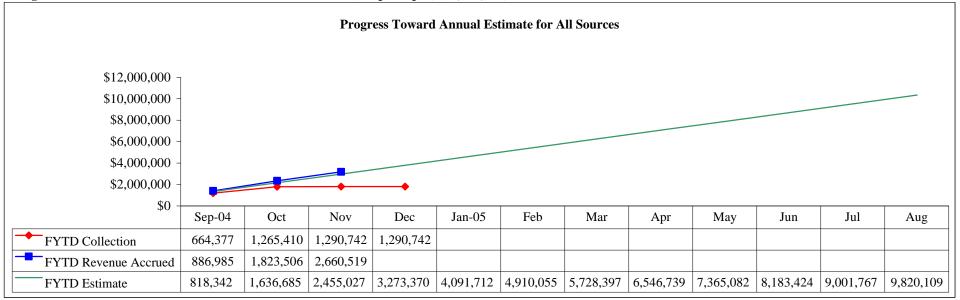


Objective 1D - FY 2005 Revenue Estimate San Antonio State Hospital





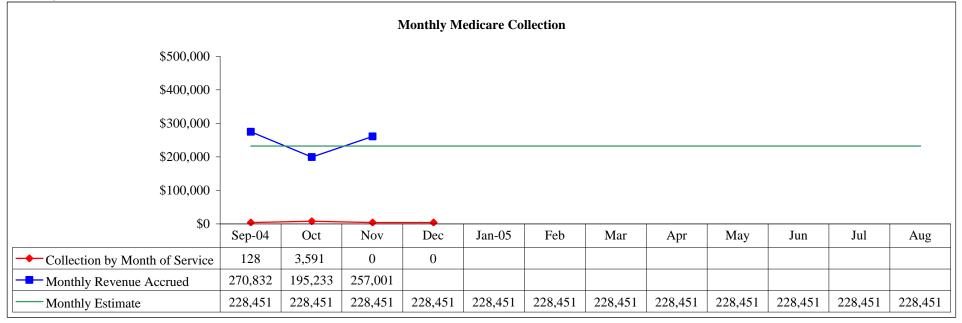
Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$9,820,109)



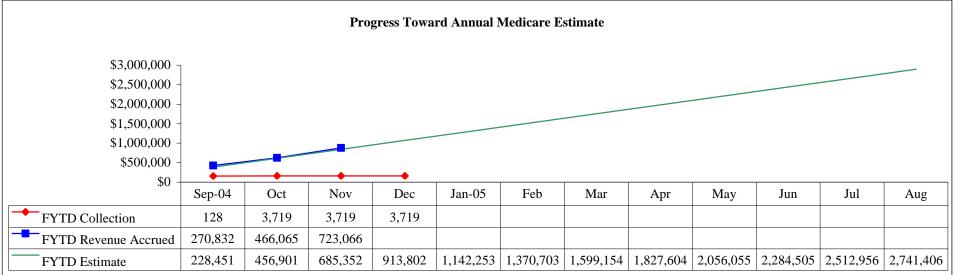
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate Terrell State Hosptial



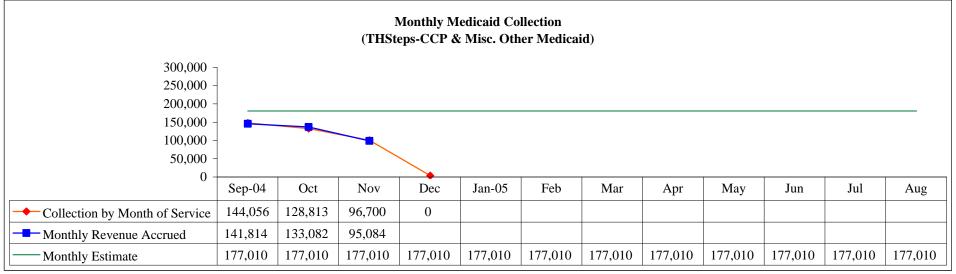




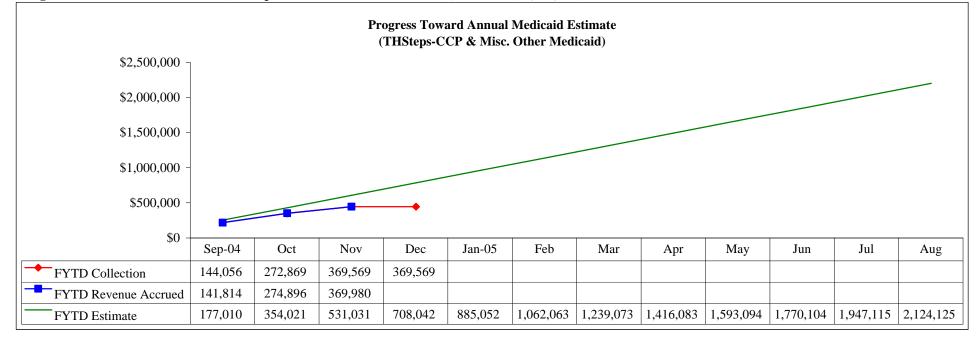


Objective 1D - FY 2005 Revenue Estimate Terrell State Hospital

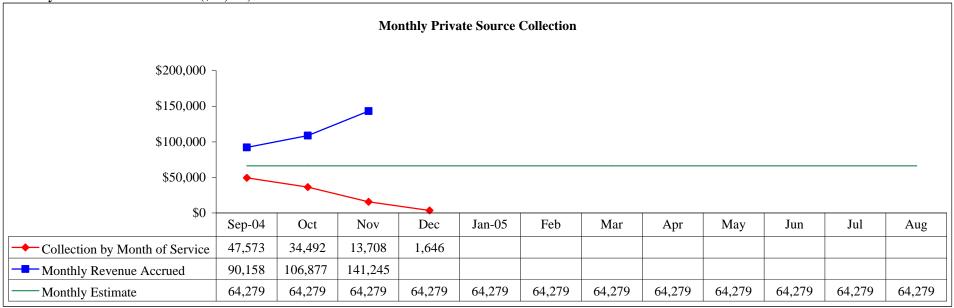
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$177,010)

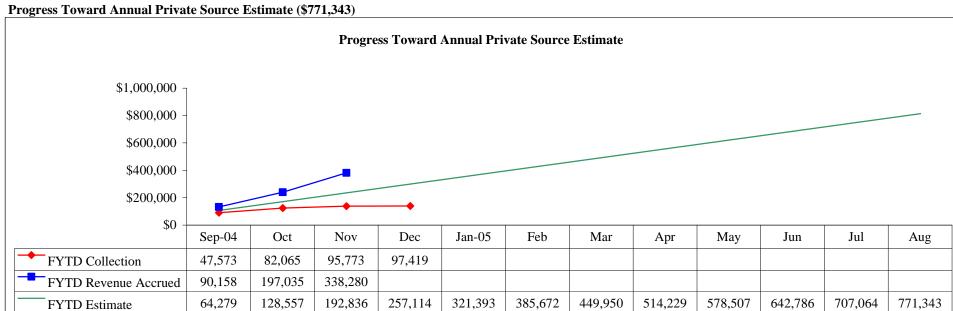


Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$2,124,125)

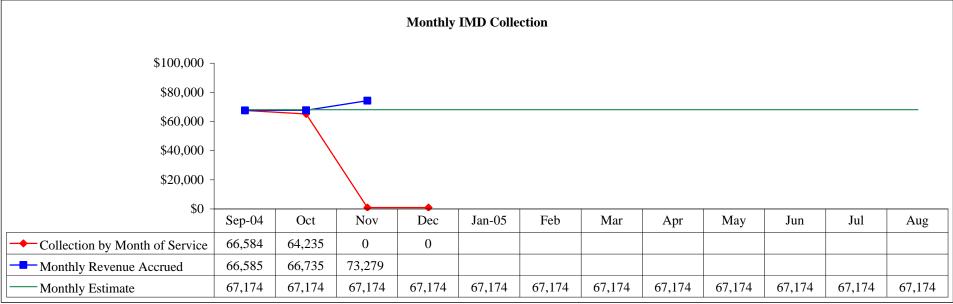


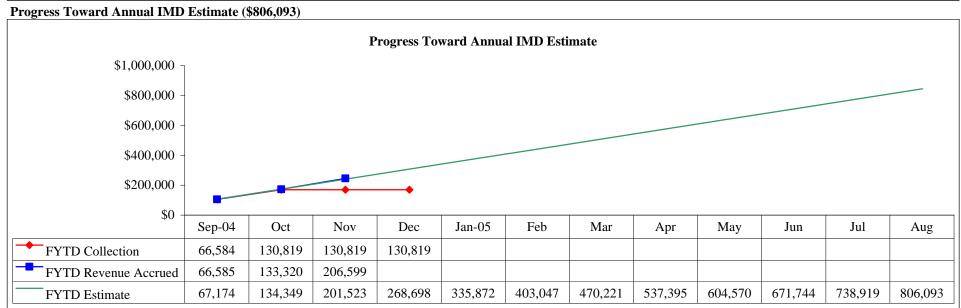
Objective 1D - FY 2005 Revenue Estimate Terrell State Hospital Monthly Private Source Estimate (\$64,279)





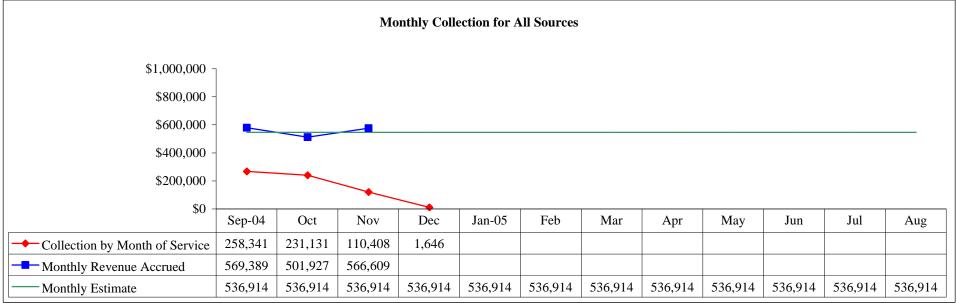
Objective 1D - FY 2005 Revenue Estimate Terrell State Hospital Monthly IMD Estimate (\$67,174)

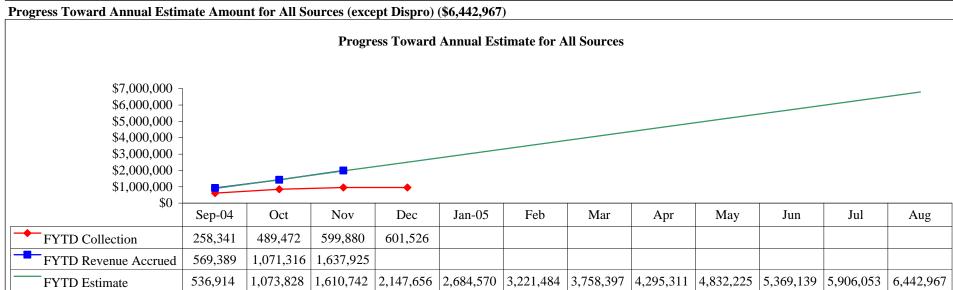




Objective 1D - FY 2005 Revenue Estimate Terrell State Hospital

Monthly Estimate For All Sources (except Dispro) (\$536,914)

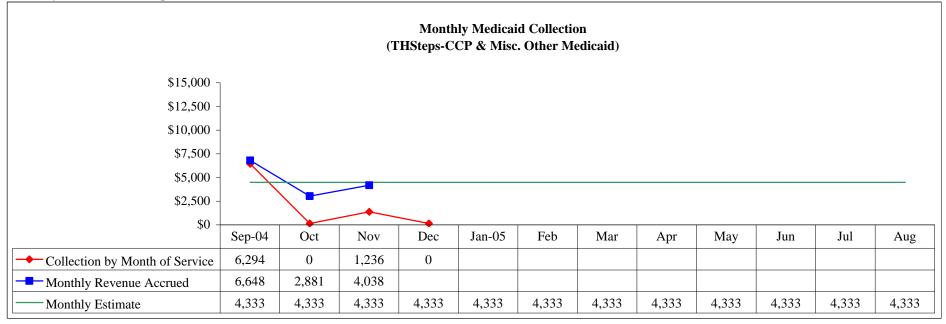




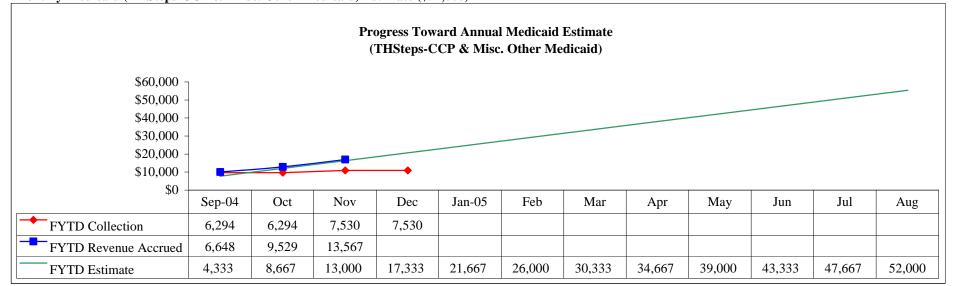
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate Waco Center for Youth

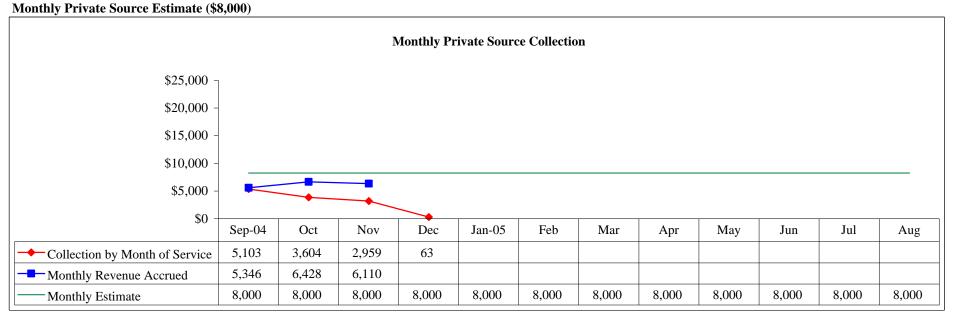
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$4,333)

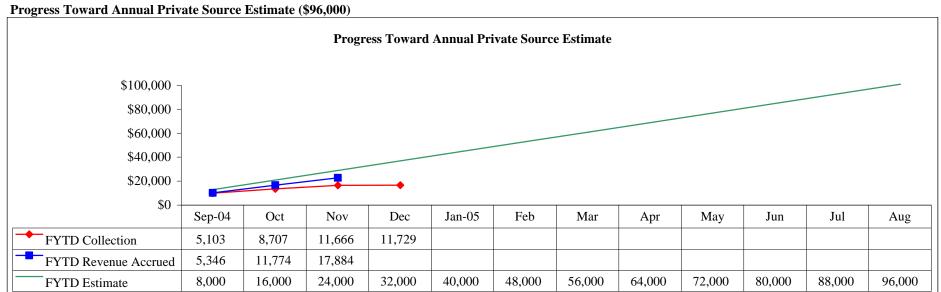


Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$52,000)



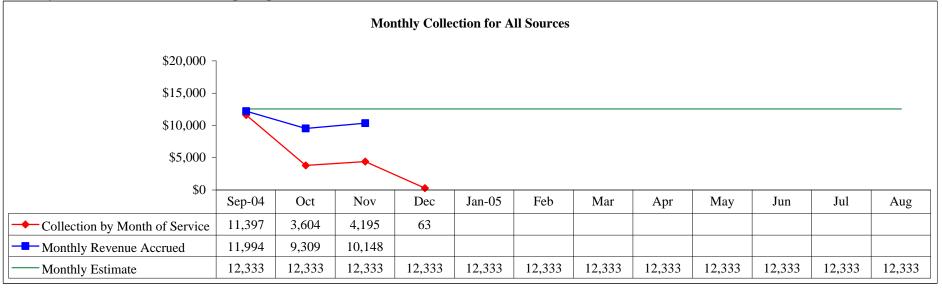
Objective 1D - FY 2005 Revenue Estimate Waco Center for Youth



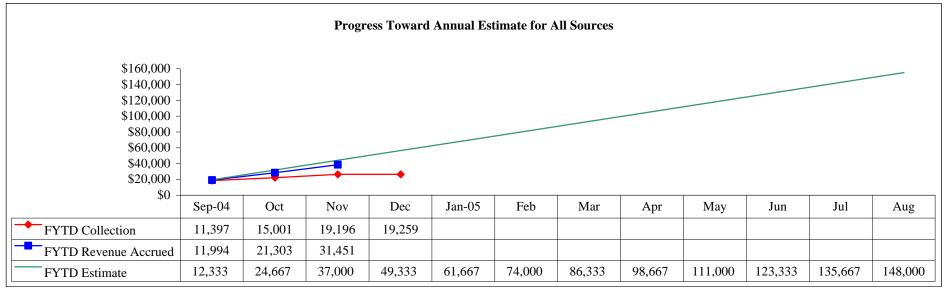


Objective 1D - FY 2005 Revenue Estimate Waco Center for Youth

Monthly Estimate For All Sources (except Dispro) (\$12,333)



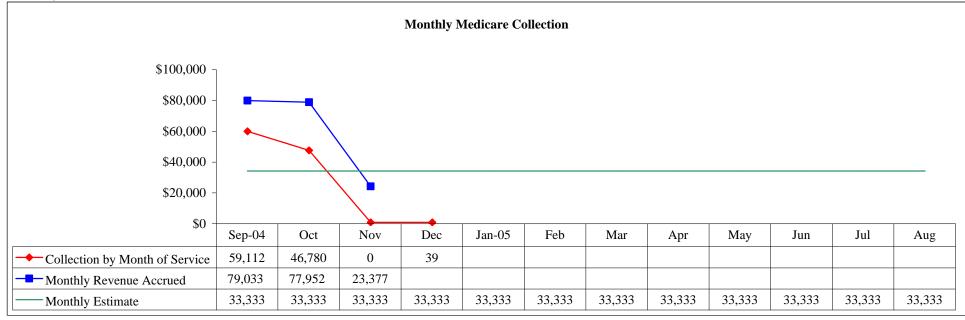
Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$148,000)



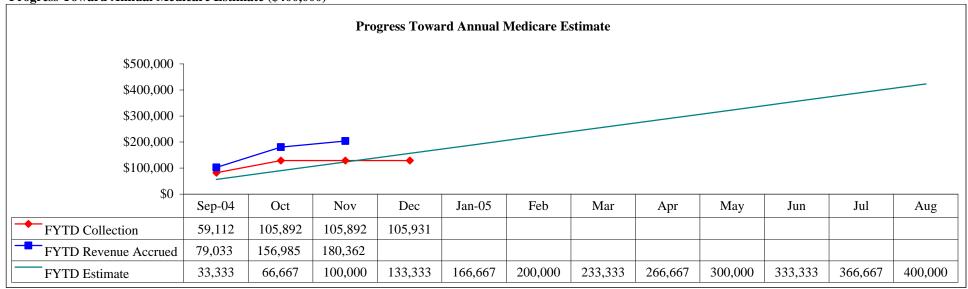
December Revenue Accrued information not available at this time.

Objective 1D - FY 2005 Revenue Estimate Rio Grande State Center–MH

Monthly Medicare Estimate (\$33,333)

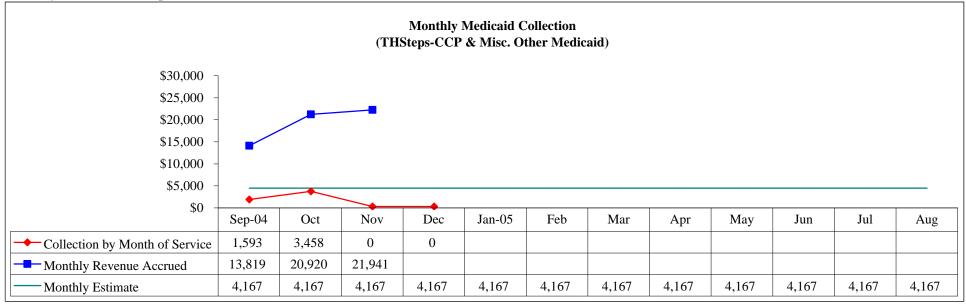




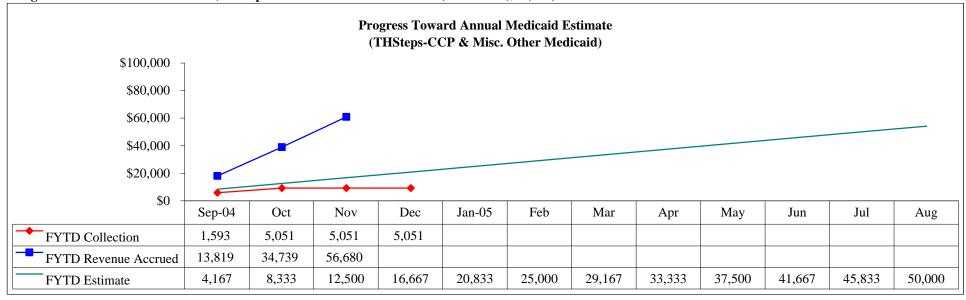


Objective 1D - FY 2005 Revenue Estimate Rio Grande State Center–MH

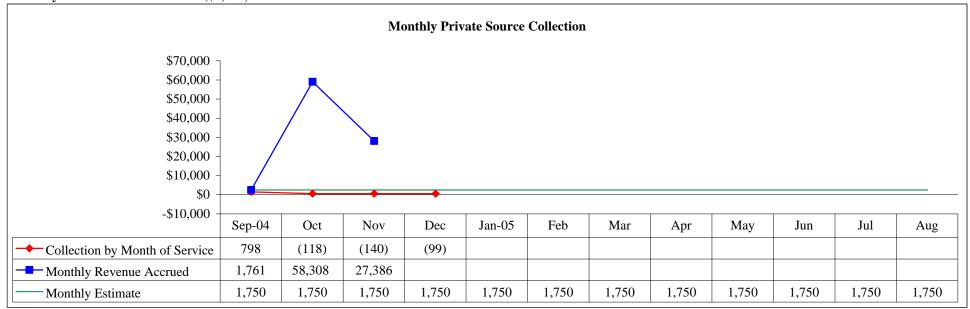
Monthly Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$4,167)

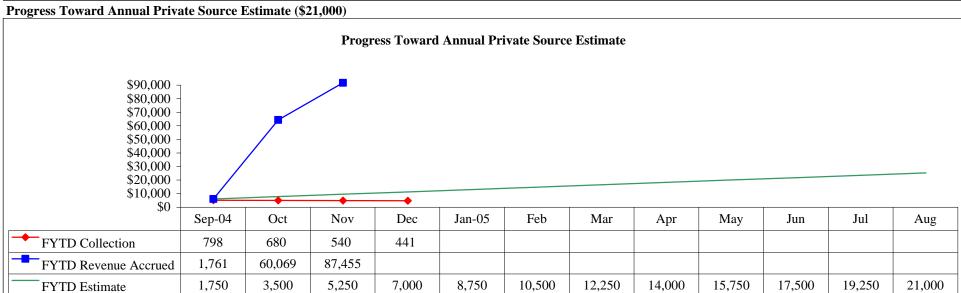


Progress Toward Annual Medicaid (THSteps-CCP & Misc. Other Medicaid) Estimate (\$50,000)



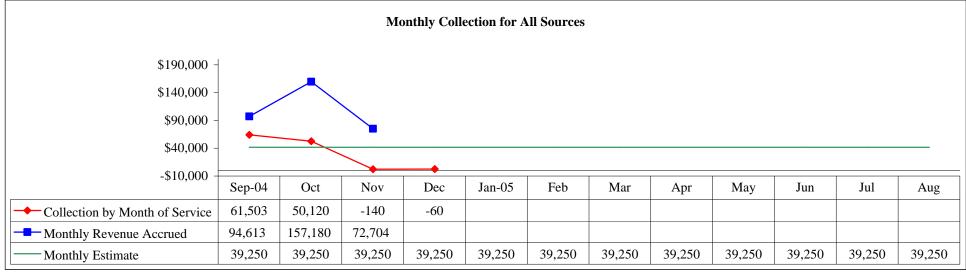
Objective 1D - FY 2005 Revenue Estimate Rio Grande State Center–MH Monthly Private Source Estimate (\$1,750)



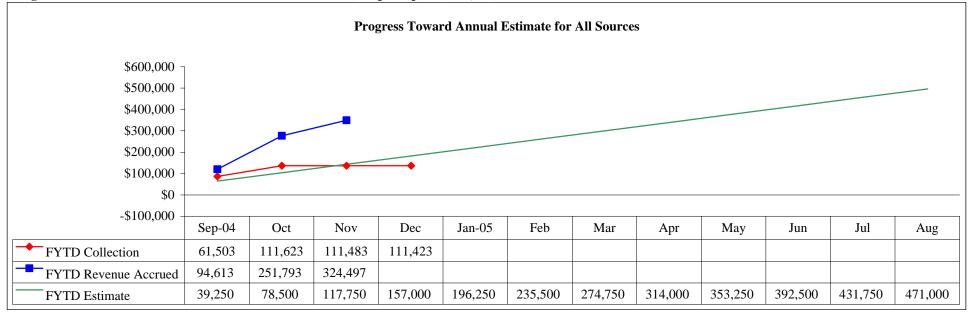


Objective 1D - FY 2005 Revenue Estimate Rio Grande State Center–MH

Monthly Estimate For All Sources (except Dispro) (\$39,250)



Progress Toward Annual Estimate Amount for All Sources (except Dispro) (\$471,000)



December Revenue Accrued information not available at this time.

Chart: Hospital Management Data Services

Performance Objective 1F:

Each state hospital-inpatient services will operate a projected General Revenue ADC and Third Party ADC within the funds that are allocated and projected.

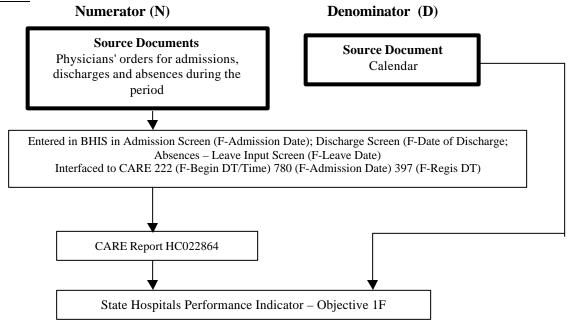
Performance Objective Operational Definition: DSHS Hospital Section will project total ADC, GR ADC and 3rd Party ADC for FY05. Extract report will divide episodes into 3rd Party episodes and GR episodes and calculate monthly ADC, monthly GR ADC and monthly 3rd Party ADC.

Performance Objective Formula: ADC Projected ADC

Performance Objective Data Display and Chart Description:

Chart with monthly data points of actual General Revenue and 3rd Party average daily census and funded census for individual state hospital and system-wide.

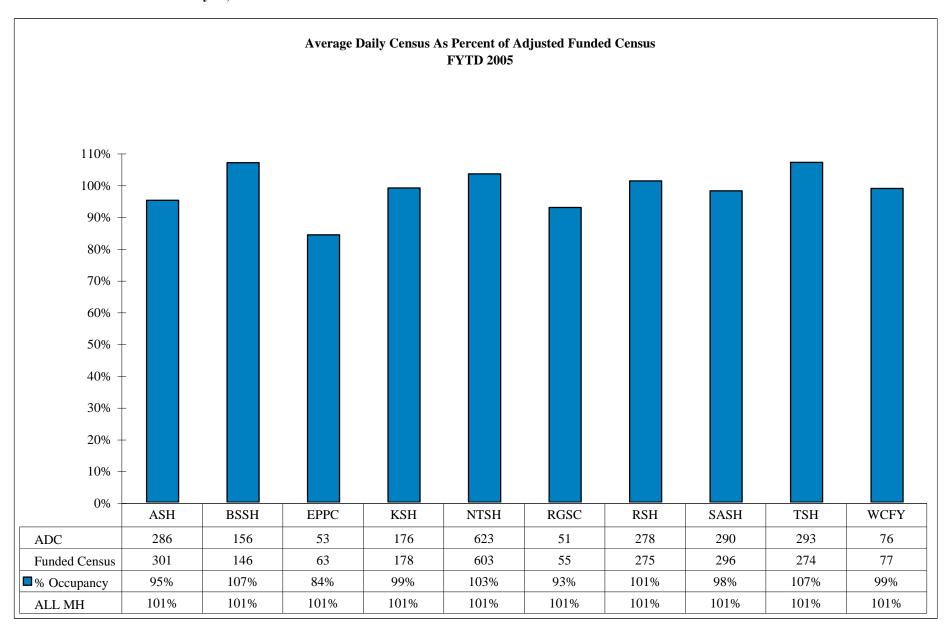
Data Flow:



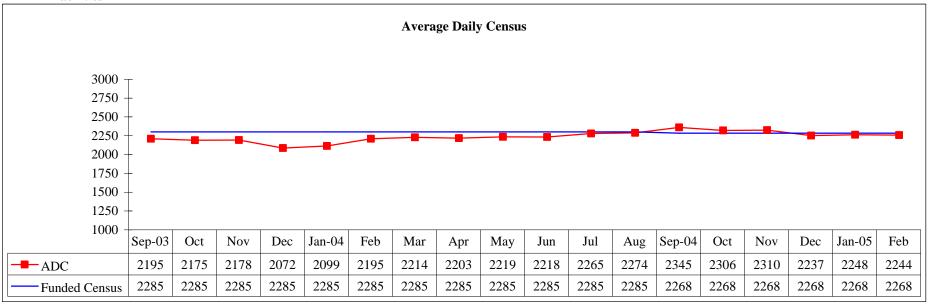
Data Integrity Review Process:

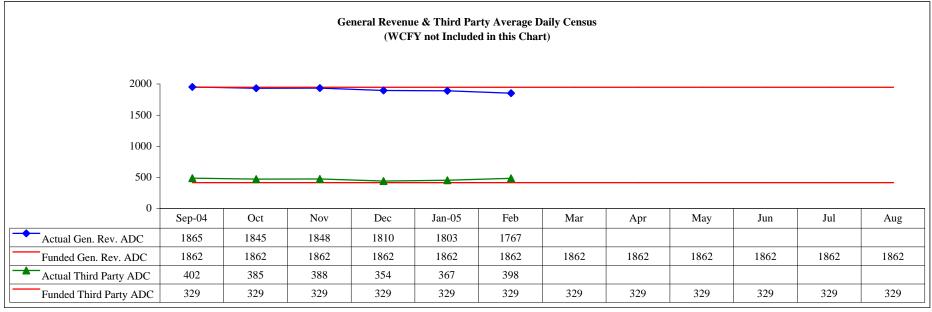
Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Note: Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event start/stop dates as compared to the corresponding information in the medical record on the Physician's Order.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly
Trigger	report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including findings and data analysis.

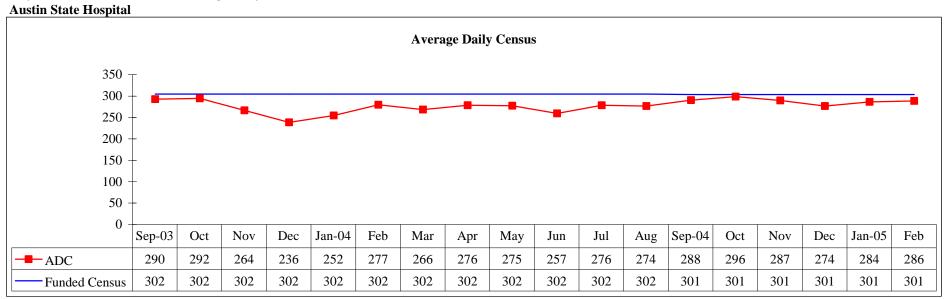
Objective 1F & Measure 1C - Average Daily Census All MH Facilities -As of February 28, 2005

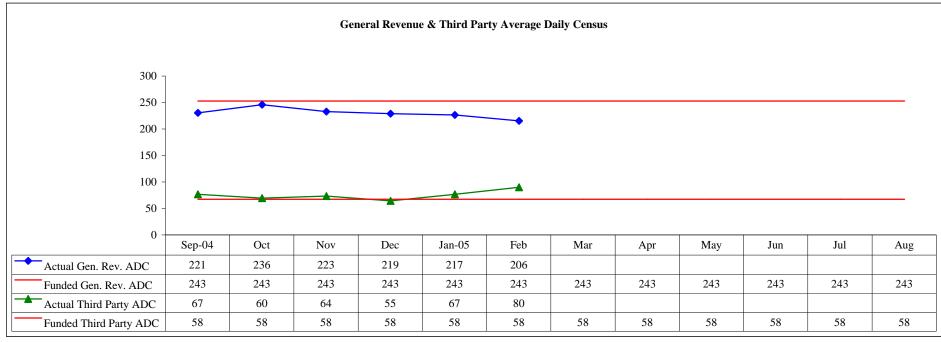


Objective 1F & Measure 1C - Average Daily Census

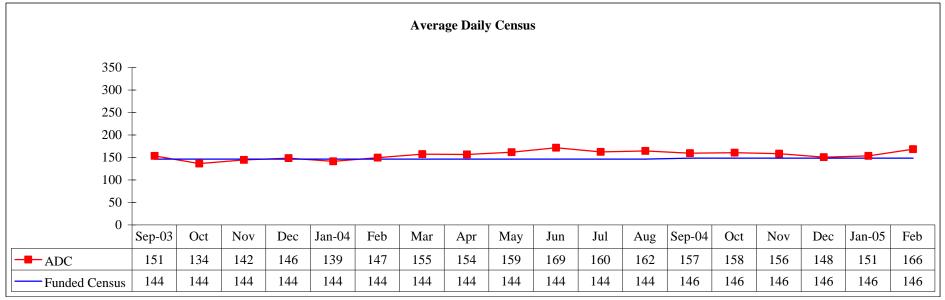


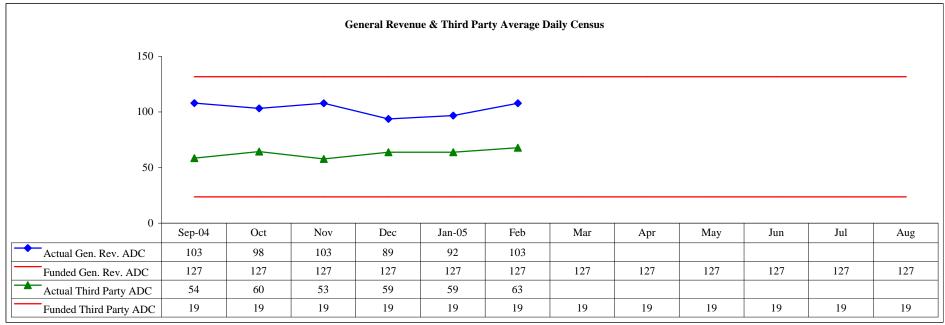


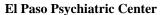


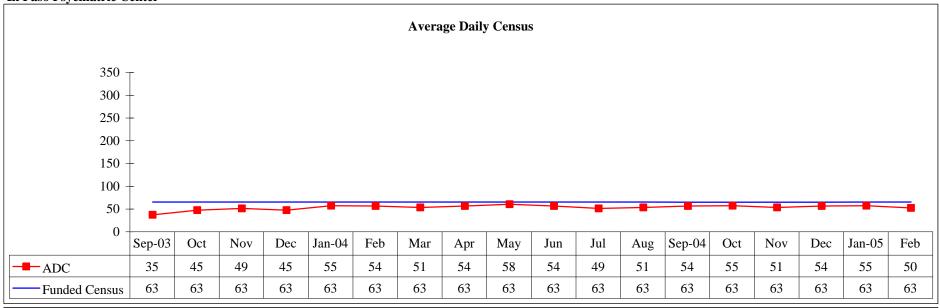


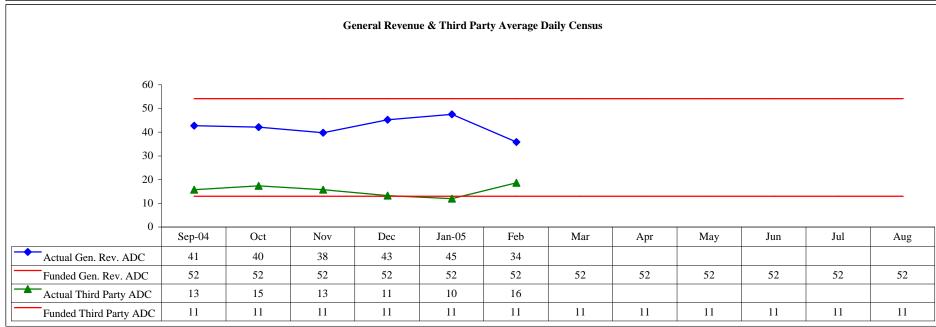
Objective 1F & Measure 1C - Average Daily Census Big Spring State Hospital



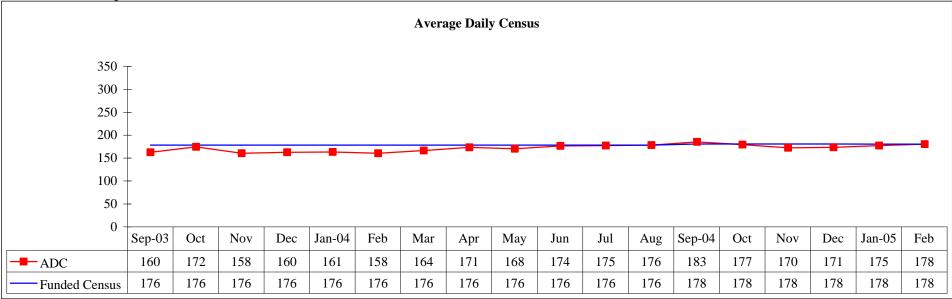


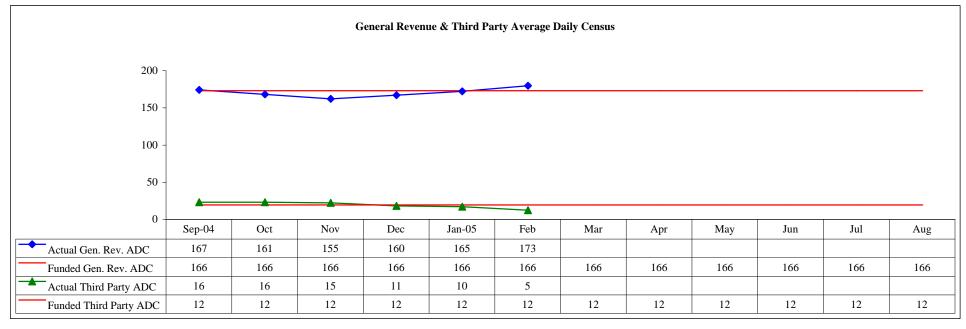


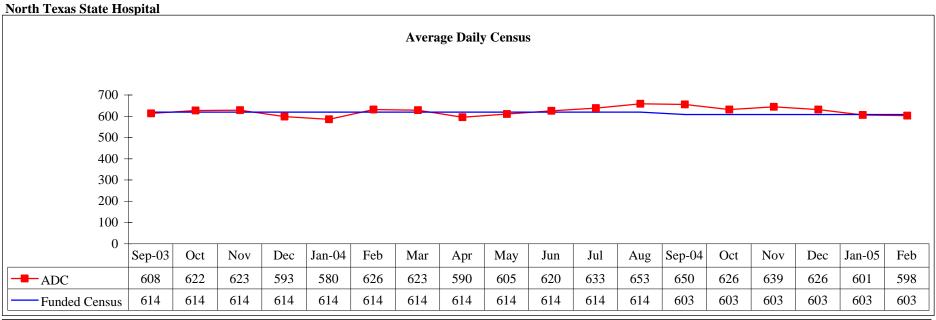


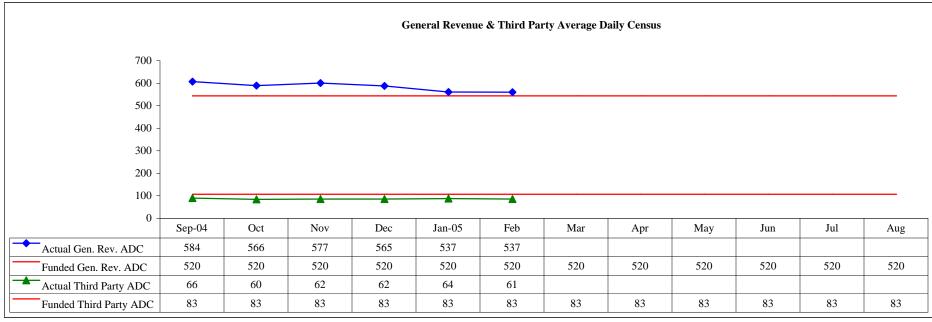


Kerrville State Hospital

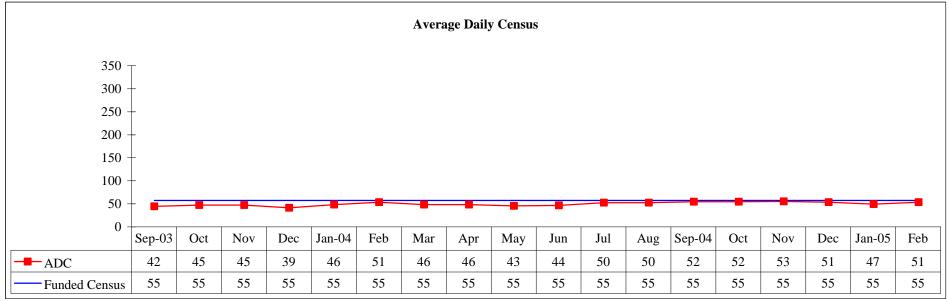


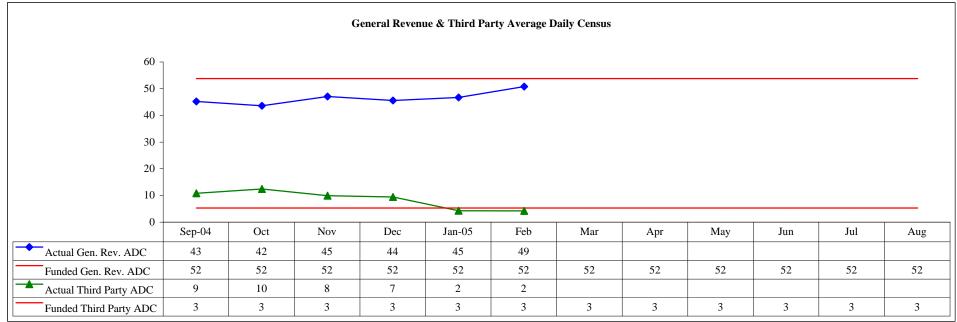


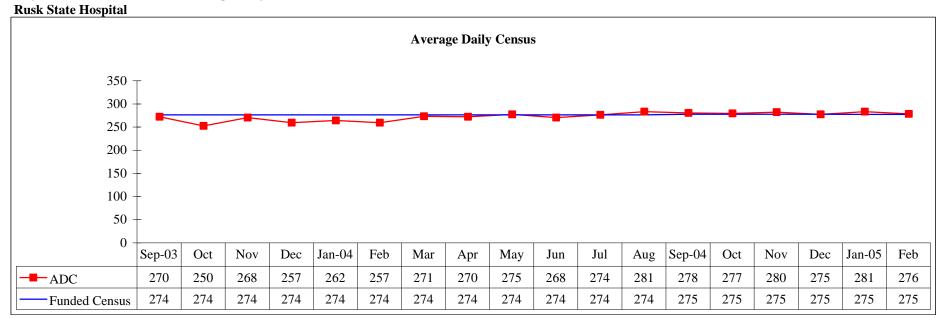


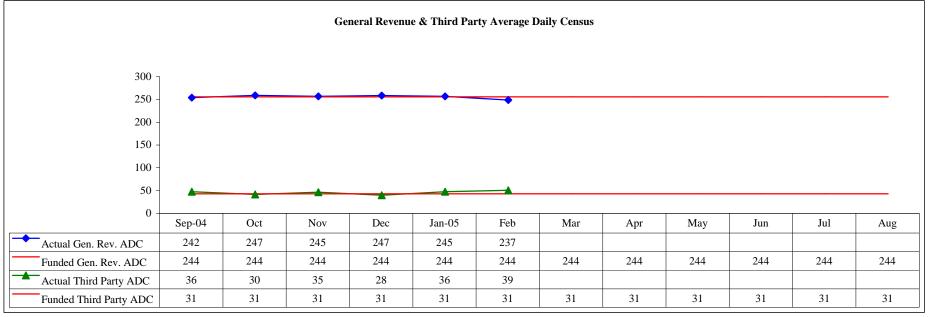


Objective 1F & Measure 1C - Average Daily Census Rio Grande State Center–MH



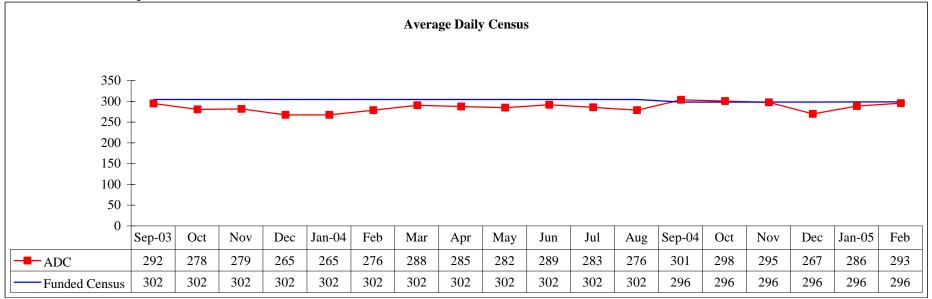


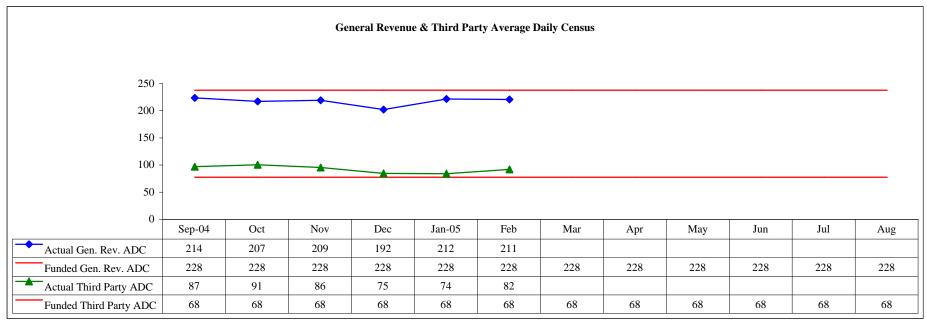




Objective 1F & Measure 1C - Average Daily Census

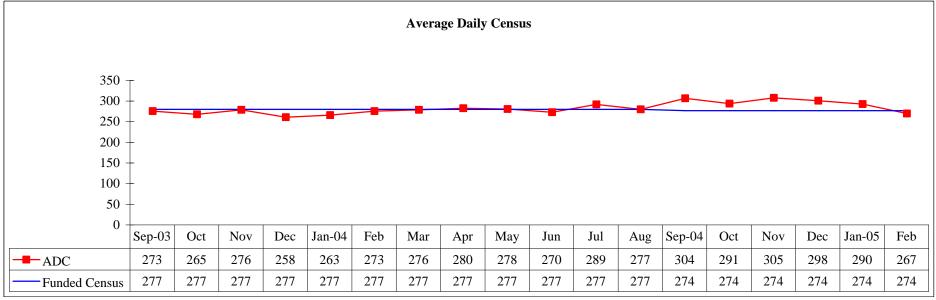
San Antonio State Hospital

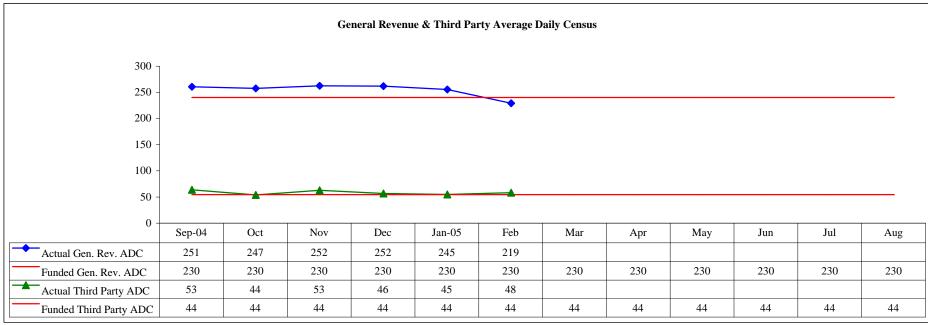




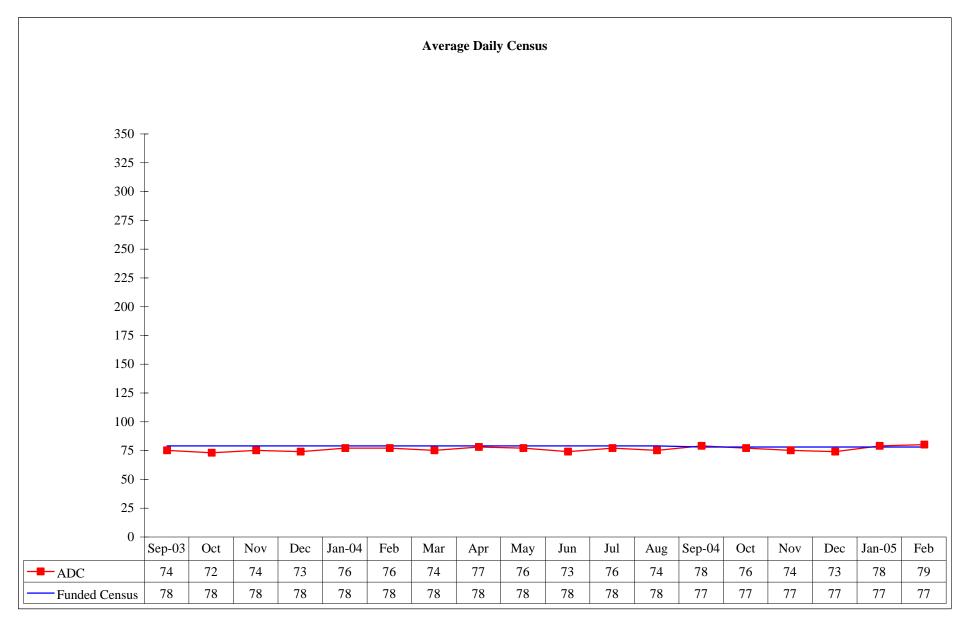
Objective 1F & Measure 1C - Average Daily Census

Terrell State Hospital





Objective 1F & Measure 1C - Average Daily Census Waco Center For Youth



Performance Measure 1A:

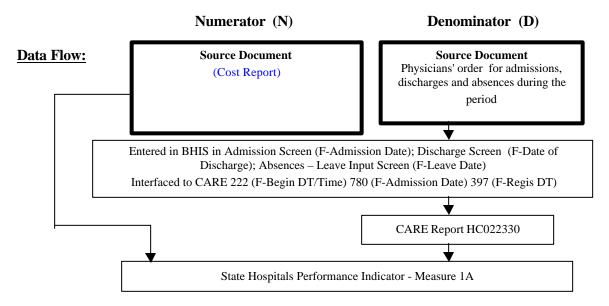
Average cost per patient served will be calculated and reported for each state hospital in the following categories: LBB Cost; State Cost; and Total State Cost.

<u>Performance Measure Operational Definition:</u> State hospital cost per person served represents the average cost of care for an individual per FY quarter.

<u>Performance Measure Formula:</u> Quarterly Average Cost Per Patient = LBB Cost [total state hospital cost – (benefits + depreciation) / quarterly total bed days derived from the Cost Report] x Average Patient Days * During Period (unduplicated count of patient's served). *Average patient days means the net stay in days at the component during the quarter divided by the number of unduplicated count of patient's served during the quarter.

Performance Measure Data Display and Chart Description:

- ♦ Table shows average patient days, cost per bed day and average cost for FY quarter for individual state hospitals and system-wide.
- ♦ Chart with accumulated quarterly data points of average cost per persons served for individual state hospitals and system-wide.

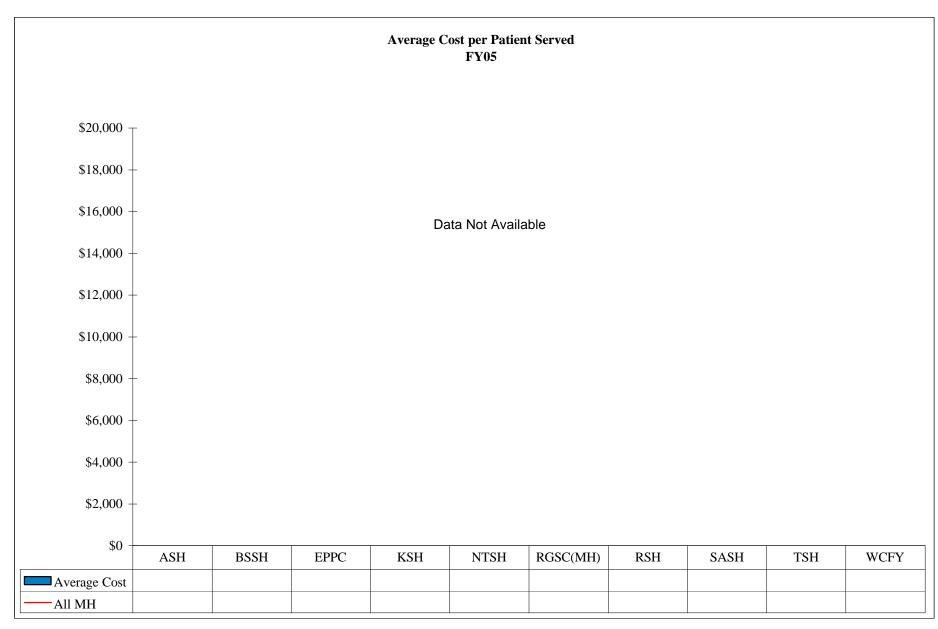


<u>Data Integrity Review Process:</u> (Denominator Only)

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Note: Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave
Description of Review Flocess	
	event start/stop dates as compared to the corresponding information in the medical
	record (Physician's Order).
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS
	quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent NRI PMS
	quarterly report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including findings and data analysis.

Measure 1A - Average Cost Per Patient Served All MH Facilities

Table: Hospital Management Data Services



Performance Measure 1B:

Average cost per occupied bed day will be calculated and reported for each state hospital.

<u>Performance Measure Operational Definition:</u> The state hospital average cost per occupied bed day.

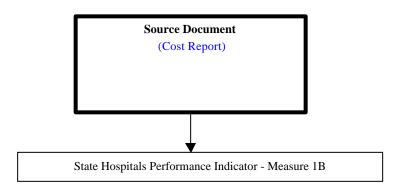
<u>Performance Measure Formula:</u> The state hospital's average cost per occupied bed day per FY quarter is calculated three ways.

- 1) State Hospital Cost Per Bed Day = Total Facility Expense / Total Bed Days
- 2) Cost per Bed Day with DICAP+SWICAP = Total State Hospital Expense including DICAP+SWICAP / Total Bed Days
- 3) Appropriated Fund Cost (for LBB) = Total State Hospital Expense (Benefits + Depreciation) / Total Bed Days]

Performance Measure Data Display and Chart Description:

- ◆ Table shows cost per bed day, cost per bed day w/DICAP+SWICAP and LBB cost per bed day for FY quarter for individual state hospitals and system-wide.
- ♦ Chart with quarterly data points of cost per bed day, cost per bed day w/DICAP+SWICAP and LBB cost per bed day for FY quarter for individual state hospitals and system-wide.

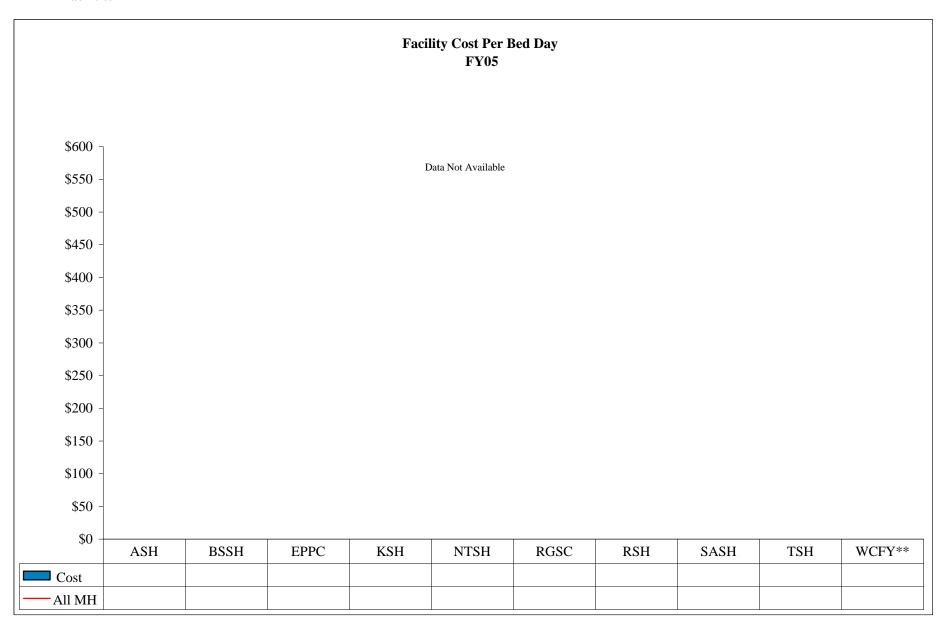
Data Flow:



Data Integrity Review Process: (Verifies accuracy of "total bed day" in cost report)

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or
	event file data to ensure medical record data corresponds to data reported to NRI
	PMS. Episode files include admission/discharge dates, patient demographic and
	diagnostic information. Event files include date or date/time when a leave,
	restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files
	and leave event start/stop dates as compared to the corresponding information in
	the medical record on Physician's Order.
Sample Size	Review of 15 randomly selected patient records for the most recently reported
	NRI PMS quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent
	NRI PMS quarterly report do not correspond to the information in the medical
	record.
DIR/HMDS Report	Summary of review including findings and data analysis.

Measure 1B - Cost Per Bed Day All MH Facilities



Performance Measure 1C:

Average daily census of campus-based services will be calculated and reported for each state hospital on a quarterly basis.

<u>Performance Measure Operational Definition:</u> The state hospital's average daily census will be reported quarterly.

Performance Measure Formula: C = (N/D)

C = average daily census

N = number of bed days

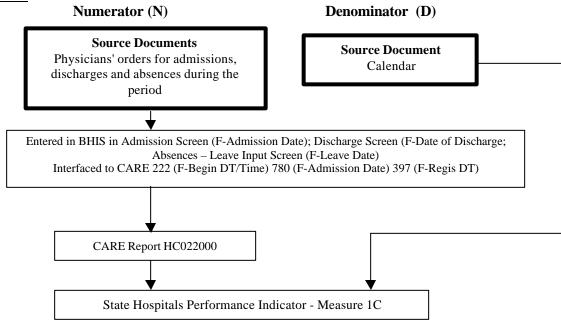
D = number of calendar days in the month

Performance Measure Data Display and Chart Description:

Chart with monthly data points of average daily census and funded census for individual state hospital and system-wide.

See Objective 1F for charts

Data Flow:



Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Note: Episode files include
	admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event
	start/stop dates as compared to the corresponding information in the medical record on the
	Physician's Order.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS
	quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly
Trigger	report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including findings and data analysis.

GOAL 2: Recognize and Respect the Rights of Each Patient By Conducting Business In An Ethical Manner

Performance Objective 2A:

State hospitals will demonstrate a downward trend of confirmed abuse or neglect.

<u>Performance Objective Operational Definition:</u> The state hospital rate of confirmed <u>closed</u> abuse and neglect cases as documented on the AN-1-A form per 1,000 bed days per FY.

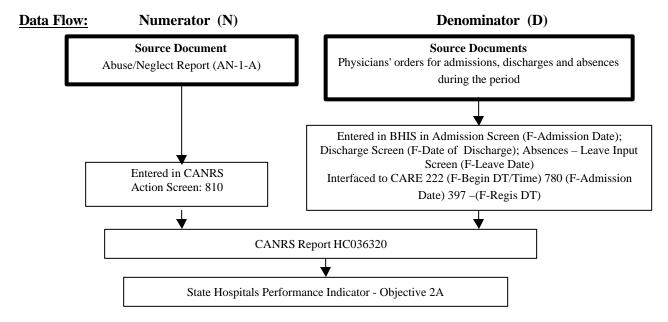
Performance Objective Formula: $R = (N/D) \times 1,000$

R = rate of confirmed <u>closed</u> abuse and neglect cases per 1,000 bed days per FY

N = number of confirmed closed cases per FY (when multiple confirmations are entered for a single case number on a single day, they are counted only as one in the abuse/neglect category incident (class I, II, verbal) of the most severe incident). D = number of bed days per FY1,000 = bed day rate multiplier.

Performance Objective Data Display and Chart Description:

Table shows cases, confirmations and rate by abuse/neglect category for individual state hospital.



Data Integrity Review Process: (Denominator only)

	<u> </u>
Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Note: Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event start/stop dates as compared to the corresponding information in the medical record on the Physician's Order.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including findings and data analysis.

Objective 2A - Abuse/Neglect Rate All MH Facilities - As of February 28, 2005

	FY99	FY00	FY01	FY02	FY03	FY04*	FY05-FYTD				
Facility	Total	Total	Total	Total	Total	Total	Class I	Class II	Class III	Neglect	Total
ALL MH Facilities											
Total Cases	2844	2419	2260	2387	2188	1476	57	356	148	99	660
Total Confirmed	277	220	211	193	175	76	2	18	10	15	45
Total Confirmed Rate/1000 Bed Days	0.31	0.22	0.24	0.23	0.21	0.09	0.00	0.04	0.02	0.03	0.1

^{*}FY04 Updated

Source: CANRS Quarterly Report for MH/MR Performance Measures (HC036320)

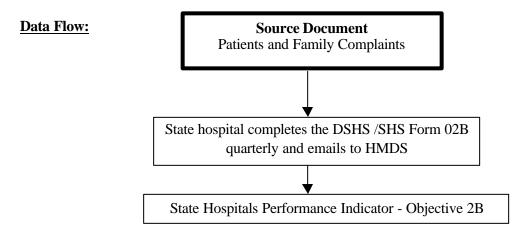
Performance Objective 2B:

State hospitals will baseline complaint data among state hospitals in order to identify opportunities to improve performance in upholding patient rights.

<u>Performance Objective Operational Definition:</u> Total number of complaints from state hospitals per monthly regarding property, respect, discharge, medication, treatment team and/or plan and an "other" category.

Performance Objective Data Display and Chart Description:

Table shows quarterly numbers of complaints by the individual state hospitals and system-wide.



Data Integrity Review Process:

N/A

Objective 2B - Patient Complaints (As of November 30, 2004)

Q1 - FY05

Complaints	ASH	BSSH	EPPC	KSH	NTSH	RGSC	RSH	SASH	TSH	WCFY	System Total
Property	17	15	13	30	43	2	11	7	33	8	179
Per 1,000 Bed Days	0.64	1.05	2.69	1.87	0.74	0.42	0.43	0.26	1.21	1.16	0.85
Respect	32	14	14	13	15	5	13	12	72	5	195
Per 1,000 Bed Days	1.21	0.98	2.90	0.81	0.26	1.05	0.51	0.44	2.64	0.72	0.92
Discharge	19	13	12	0	17	9	2	8	3	0	83
Per 1,000 Bed Days	0.72	0.91	2.49	0.00	0.29	1.90	0.08	0.30	0.11	0.00	0.39
Medication	10	5	7	9	12	1	9	5	9	1	68
Per 1,000 Bed Days	0.38	0.35	1.45	0.56	0.21	0.21	0.36	0.18	0.33	0.14	0.32
Treatment Team/Planning	23	12	12	41	30	3	16	4	22	27	190
Per 1,000 Bed Days	0.87	0.84	2.49	2.55	0.52	0.63	0.63	0.15	0.81	3.91	0.90
Others	69	5	32	9	215	4	15	55	65	13	482
Per 1,000 Bed Days	2.61	0.35	6.63	0.56	3.70	0.84	0.59	2.03	2.38	1.88	2.28
Total	170	64	90	102	332	24	66	91	204	54	1197
Per 1,000 Bed Days	6.43	4.49	18.65	6.35	5.72	5.06	2.61	3.36	7.48	7.81	5.67

Table: Hospital Management Data Services Source: Facility Survey

Objective 2B - Patient Complaints (As of February 28, 2005)

Q2 - FY05

Complaints	ASH	BSSH	EPPC	KSH	NTSH	RGSC	RSH	SASH	TSH	WCFY	System Total
Property	26	13	8	16	36	4	5	18	55	6	187
Per 1,000 Bed Days	1.03	0.94	1.68	1.02	0.66	0.90	0.20	0.71	2.14	0.87	0.93
Respect	18	12	8	3	23	1	13	18	91	9	196
Per 1,000 Bed Days	0.71	0.86	1.68	0.19	0.42	0.22	0.52	0.71	3.54	1.31	0.97
Discharge	15	23	13	1	23	4	0	12	15	0	106
Per 1,000 Bed Days	0.59	1.65	2.73	0.06	0.42	0.90	0.00	0.47	0.58	0.00	0.53
Medication	5	13	5	3	25	2	8	6	10	0	77
Per 1,000 Bed Days	0.20	0.94	1.05	0.19	0.46	0.45	0.32	0.24	0.39	0.00	0.38
Treatment Team/Planning	20	22	11	24	37	0	0	9	21	39	183
Per 1,000 Bed Days	0.79	1.58	2.31	1.53	0.68	0.00	0.00	0.36	0.82	5.66	0.91
Others	36	15	15	4	298	10	44	91	99	34	646
Per 1,000 Bed Days	1.42	1.08	3.14	0.25	5.45	2.25	1.76	3.59	3.85	4.93	3.20
Total	120	98	60	51	442	21	70	154	291	88	1395
Per 1,000 Bed Days	4.74	7.05	12.58	3.24	8.08	4.72	2.81	6.08	11.33	12.77	6.92

Table: Hospital Management Data Services Source: Facility Survey

GOAL 3: Provide Individualized and Evidence Based Treatment

Performance Objective 3B:

State hospitals will reduce the use of behavioral restraint and seclusion based on FY04 performance. Episodes will be reported by: Personal Restraint, Mechanical Restraint and Seclusion.

<u>Performance Objective Operational Definition:</u> The number of restraint and seclusion incidents as documented on the MHRS 7-4 (or approved substitute) per 1,000 bed days.

Performance Objective Formula: $R = (N/D) \times 1,000$

R = rate of restraint and seclusion incidents per 1,000 bed days per FY quarter

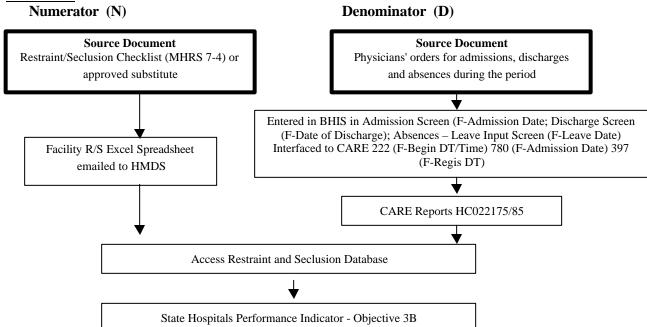
N = number of restraint and seclusion incidents or number of persons involved in restraint/seclusion

D = number of bed days per FY quarter 1,000 = bed day rate multiplier

Performance Objective Data Display and Chart Description:

- ♦ Table shows quarterly numbers of incidents, numbers of persons, and total hours for restraints and seclusions involving children, adolescents and adults for individual state hospitals and system-wide. Also shows child/adolescent bed days and all other units bed days for the quarter for individual state hospitals and system-wide.
- ◆ Table shows quarterly numbers of restraints by type for individual state hospitals and system-wide.
- ◆ Table shows quarterly numbers of restraints by type per 1,000 bed days for individual state hospitals and system-wide.
- ♦ Chart with quarterly data points of restraint and seclusion incidents per 1,000 bed days for child/adolescent and adults for individual state hospitals and system-wide.
- ♦ Chart with quarterly data points of average number of hours per restraint/seclusion incident for child/adolescent and adults for individual state hospitals and system-wide.
- Chart with quarterly data points of number of persons in restraint/seclusion for 1,000 bed days for child/adolescent and adults for individual state hospitals and system-wide.

Data Flow:



Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files, leave event start/stop dates and the restraint/seclusion event start/stop date/time in the NRI event files as compared to the corresponding information in the medical record.
Sample Size	Use 15 randomly selected patient records for the most recently reported NRI PMS quarterly episode file data and to review only the associated restraint and seclusion events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including percentage accuracy rates, findings and data analysis.

Objective 3B - Maintain Restraint and Seclusion Data All MH Facilities - FY05

•	riscai i ear 2005											
		Number of	Incidents]	Number of	Persons		To	tal Hours fo	or Quarte	r
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Austin State Hospital												
Child/Adolescent Bed Days	3,346	2,268			3,346	2,268			3,346	2,268		
Bed Days in Quarter-All Other Units	23,080	23,032			23,080	23,032			23,080	23,032		
Restraint Involving Children	2	3			2	2			0.1	1.0		
Restraint Involving Adolescents	133	93			46	39			78.7	52.9		
Restraint Involving Adults	184	198			81	96			179.2	162.9		
Seclusion Involving Children	1	1			1	1			0.3	0.6		
Seclusion Involving Adolescents	9	5			7	5			4.8	4.1		
Seclusion Involving Adults	6	2			5	1			6.1	5.5		
Big Spring State Hospital												
Bed Days in Quarter	14,257	13,898			14,257	13,898			14,257	13,898		
Restraint Involving Adults	167	131			46	44			121.7	89.1		
Seclusion Involving Adults	0	0			0	0			0.0	0.0		
El Paso Psychiatric Center												
Child/Adolescent Bed Days	493	409			493	409			493	409		
Bed Days in Quarter-All Other Units	4,333	4,361			4,333	4,361			4,333	4,361		
Restraint Involving Children	0	0			0	0			0.0	0.00		
Restraint Involving Adolescents	35	23			6	6			39.3	17.3		
Restraint Involving Adults	54	82			13	27			83.4	126.1		
Seclusion Involving Children	0	0			0	0			0.0	0.0		
Seclusion Involving Adolescents	14	5			3	4			10.3	3.7		
Seclusion Involving Adults	10	8			7	7			4.8	5.2		
Kerrville State Hospital												
Bed Days in Quarter	16,072	15,722			16,072	15,722			16,072	15,722		
Restraint Involving Adults	17	27			8	20			3.1	3.7		
Seclusion Involving Adults	3	4			3	2			2.6	21.9		

Objective 3B - Maintain Restraint and Seclusion Data All MH Facilities - FY05

·	Fiscal Year 2005											
	l	Number of	Incidents		I	Number of	Persons		To	tal Hours fo	or Quarte	r
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
North Texas State Hospital												
Child/Adolescent Bed Days	9,783	8,972			9,783	8,972			9,783	8,972		
Bed Days in Quarter-All Other Units	48,272	45,757			48,272	45,757			48,272	45,757		
Restraint Involving Children	1	0			1	0			0.1	0.0		
Restraint Involving Adolescents	219	130			36	30			160.1	75.0		
Restraint Involving Adults	536	464			157	140			420.1	390.1		
Seclusion Involving Children	4	2			2	1			2.3	1.4		
Seclusion Involving Adolescents	50	25			17	12			56.5	21.6		
Seclusion Involving Adults	102	94			43	40			242.2	194.4		
Rio Grande State Center												
Bed Days in Quarter	4,747	4,447			4,747	4,447			4,747	4,447		
Restraint Involving Adults	25	21			17	13			4.5	1.9		
Seclusion Involving Adults	4	4			3	3			8.6	3.0		
Rusk State Hospital												
Bed Days in Quarter	25,295	24,955			25,295	24,955			25,295	24,955		
Restraint Involving Adults	197	193			101	76			117.7	183.0		
Seclusion Involving Adults	121	167			61	67			361.0	404.5		
San Antonio State Hospital												
Child/Adolescent Bed Days in Quarter	3,011	2,818			3,011	2,818			3,011	2,818		
Bed Days in Quarter-All Other Units	24,053	22,509			24,053	22,509			24,053	22,509		
Restraint Involving Adolescents	67	80			21	18			42.1	52.0		
Restraint Involving Adults	113	130			47	47			119.8	95.9		
Seclusion Involving Adolescents	7	16			5	8			6.5	15.9		
Seclusion Involving Adults	4	0			4	0			8.0	0.0		

Objective 3B - Maintain Restraint and Seclusion Data All MH Facilities - FY05

·	Fiscai Teat 2005											
		Number of	Incidents			Number of	Persons		To	tal Hours fo	or Quarte	r
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Terrell State Hospital												
Child/Adolescent Bed Days in Quarter	2,863	2,467			2,863	2,467			2,863	2,467		
Bed Days in Quarter-All Other Units	24,422	23,224			24,422	23,224			24,422	23,224		
Restraint Involving Children	0	0			0	0			0.0	0.0		
Restraint Involving Adolescents	54	30			15	12			7.5	4.6		
Restraint Involving Adults	103	67			56	49			24.6	29.9		
Seclusion Involving Children	3	0			1	0			1.6	0.0		
Seclusion Involving Adolescents	19	11			8	5			14.2	8.2		
Seclusion Involving Adults	23	13			14	9			27.2	14.4		
Waco Center For Youth												
Child/Adolescent Bed Days in Quarter	6,914	6,893			6,914	6,893			6,914	6,893		
Restraint Involving Adolescents	68	78			28	26			13.8	18.0		
Seclusion Involving Adolescents	14	8			9	5			13.0	5.2		
All MH Facilities												
Child/Adolescent Bed Days	26,410	23,827			26,410	23,827			26,410	23,827		
Bed Days in Quarter-All Other Units	184,531	177,905			184,531	177,905			184,531	177,905		
Restraint Involving Children	3	3			3	2			0.2	1.0		
Restraint Involving Adolescents	576	434			152	131			341.5	219.8		
Restraint Involving Adults	1,396	1,313			526	512			1,074.1	1,082.6		
Seclusion Involving Children	8	3			4	2			4.2	2.0		
Seclusion Involving Adolescents	113	70			49	39			105.3	58.7		
Seclusion Involving Adults	273	292			140	129			660.5	648.9		

Objective 3B - Maintain Restraint and Seclusion Data All MH Facilities - FY05

Fiscal Year 2005

Number of Incidents	All MH Facilities - FY05	Fiscal Year 2005							
Austin State Hospital			Number of	Incidents			Number of Persons		
< 5 Restraint Involving Children 1 0 1 0 < 5 Restraint Involving Adolescents 10 14 8 12 < 5 Restraint Involving Adults 23 31 18 24 Big Spring State Hospital < 5 Restraint Involving Adults 22 20 15 15 EP Paso Psychiatric Center < 5 Restraint Involving Adults 5 2 4 2 Kerrville State Hospital < 5 Restraint Involving Adults 8 16 5 14 North Texas State Hospital < 5 Restraint Involving Adults 8 16 5 14 North Texas State Hospital 9 1 0 1 0		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S Restraint Involving Adolescents	Austin State Hospital								
Sestraint Involving Adults 23 31 18 24	< 5 Restraint Involving Children	1	0			1	0		
Big Spring State Hospital	< 5 Restraint Involving Adolescents	10	14			8	12		
< 5 Restraint Involving Adults	< 5 Restraint Involving Adults	23	31			18	24		
El Paso Psychiatric Center	Big Spring State Hospital								
< 5 Restraint Involving Children	< 5 Restraint Involving Adults	22	20			15	15		
Sestraint Involving Adolescents 1	El Paso Psychiatric Center								
< 5 Restraint Involving Adults	< 5 Restraint Involving Children	0	0			0	0		
Sestraint Involving Adults 8 16 5 14	< 5 Restraint Involving Adolescents	1	0			1	0		
Sestraint Involving Adults	< 5 Restraint Involving Adults	5	2			4	2		
North Texas State Hospital	Kerrville State Hospital								
< 5 Restraint Involving Children	< 5 Restraint Involving Adults	8	16			5	14		
< 5 Restraint Involving Adolescents	North Texas State Hospital								
< 5 Restraint Involving Adults	< 5 Restraint Involving Children	1	0			1	0		
Rio Grande State Center	< 5 Restraint Involving Adolescents	25	18			13	12		
Sestraint Involving Adults	< 5 Restraint Involving Adults	305	211			121	98		
Rusk State Hospital	Rio Grande State Center								
< 5 Restraint Involving Adults	< 5 Restraint Involving Adults	7	11			5	9		
San Antonio State Hospital	Rusk State Hospital								
< 5 Restraint Involving Adolescents	< 5 Restraint Involving Adults	115	72			74	41		
< 5 Restraint Involving Adults	San Antonio State Hospital								
Terrell State Hospital	< 5 Restraint Involving Adolescents	4	4			4	4		
< 5 Restraint Involving Children	< 5 Restraint Involving Adults	7	19			7	10		
< 5 Restraint Involving Adolescents	Terrell State Hospital								
< 5 Restraint Involving Adults	< 5 Restraint Involving Children	0	0			0	0		
Waco Center For Youth 22 15 15 12 All MH Facilities 2 0 2 0 < 5 Restraint Involving Children	< 5 Restraint Involving Adolescents	13	10			7	4		
< 5 Restraint Involving Adolescents All MH Facilities < 5 Restraint Involving Children < 5 Restraint Involving Adolescents 75 61 15 12 2 0 48 44	< 5 Restraint Involving Adults	67	52			43	41		
All MH Facilities 2 0 2 0 < 5 Restraint Involving Children	Waco Center For Youth								
< 5 Restraint Involving Children 2 0 5 Restraint Involving Adolescents 2 0 48 44	< 5 Restraint Involving Adolescents	22	15			15	12		
< 5 Restraint Involving Adolescents 75 61 48 44	All MH Facilities								
ř l l l l l l l l l l l l l l l l l l l	< 5 Restraint Involving Children		0			2	0		
< 5 Restraint Involving Adults	< 5 Restraint Involving Adolescents	75	61			48	44		
	< 5 Restraint Involving Adults	559	434			292	254		

Objective 3B - Maintain Restraint and Seclusion Data All MH Facilities - FY05

All WIH Facilities - F 1 05	FISCAL TEAT 2005					
<u>L</u>			ber of Incidents			
	Q1	Q2	Q3	Q4		
Austin State Hospital						
Personal Restraint	167	85				
Mechanical Restraint	446	209				
Seclusion	24	8				
Big Spring State Hospital						
Personal Restraint	179	85				
Mechanical Restraint	119	46				
Seclusion	0	0				
El Paso Psychiatric Center						
Personal Restraint	0	0				
Mechanical Restraint	194	105				
Seclusion	37	13				
Kerrville State Hospital						
Personal Restraint	40	25				
Mechanical Restraint	4	2				
Seclusion	7	4				
North Texas State Hospital						
Personal Restraint	951	415				
Mechanical Restraint	399	179				
Seclusion	277	121				
Rio Grande State Center						
Personal Restraint	45	21				
Mechanical Restraint	1	0				
Seclusion	8	4				
Rusk State Hospital						
Personal Restraint	281	126				
Mechanical Restraint	109	67				
Seclusion	289	167				
San Antonio State Hospital						
Personal Restraint	187	101				
Mechanical Restraint	203	109				
Seclusion	27	16				

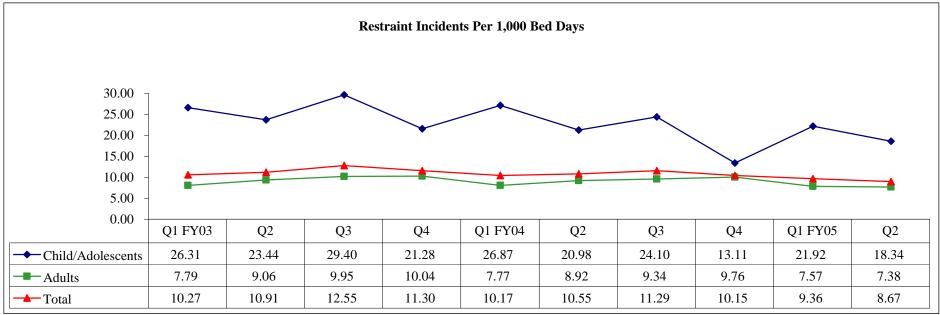
 $Objective \ 3B \ - \ Maintain \ Restraint \ and \ Seclusion \ Data$

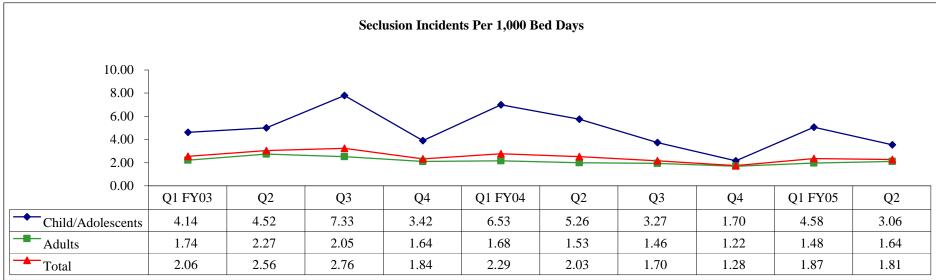
All MH Facilities - FY05

Fiscal	Year	2005
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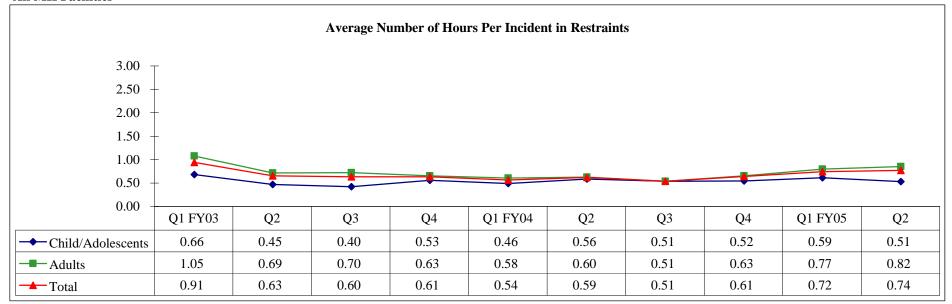
	1 1001 1001 1001					
	Number of Incidents					
	Q1	Q2	Q3	Q4		
Terrell State Hospital						
Personal Restraint	246	94				
Mechanical Restraint	8	3				
Seclusion	69	24				
Waco Center For Youth						
Personal Restraint	128	68				
Mechanical Restraint	18	10				
Seclusion	23	8				
All MH Facilities						
Personal Restraint	2,224	1,020				
Mechanical Restraint	1,501	730				
Seclusion	761	365				

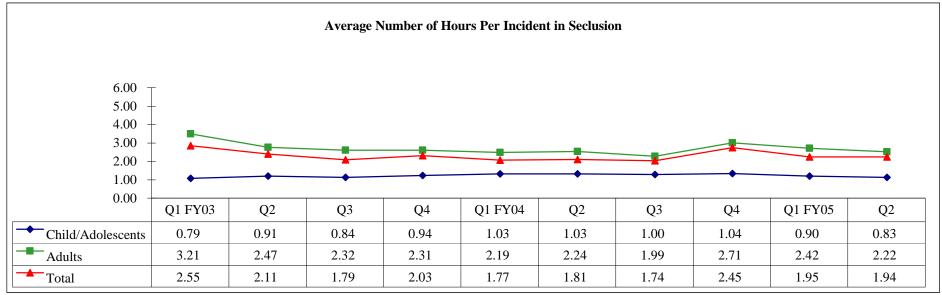
Objective 3B - Maintain Restraint and Seclusion Data



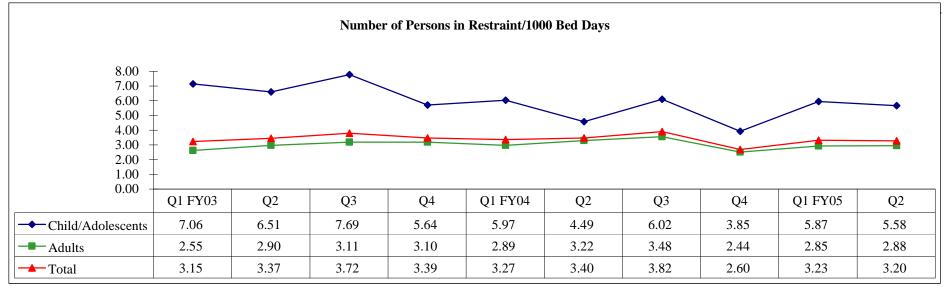


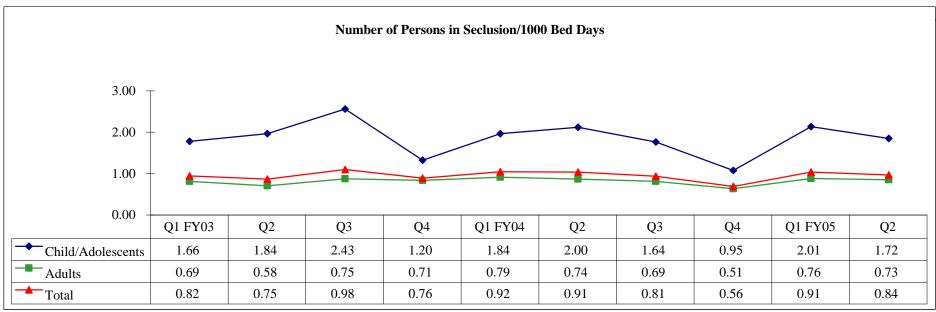
Objective 3B - Maintain Restraint and Seclusion Data





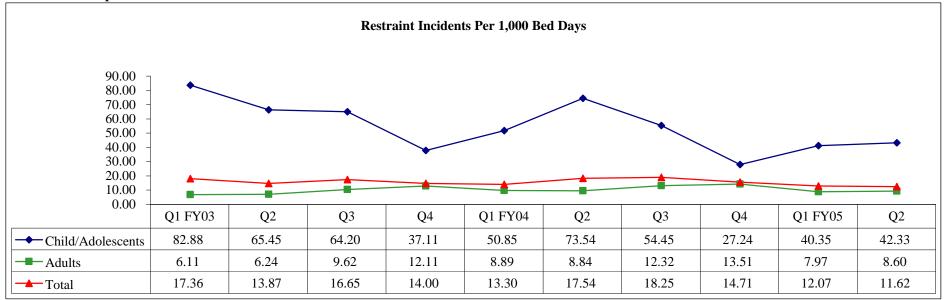
Objective 3B - Maintain Restraint and Seclusion Data

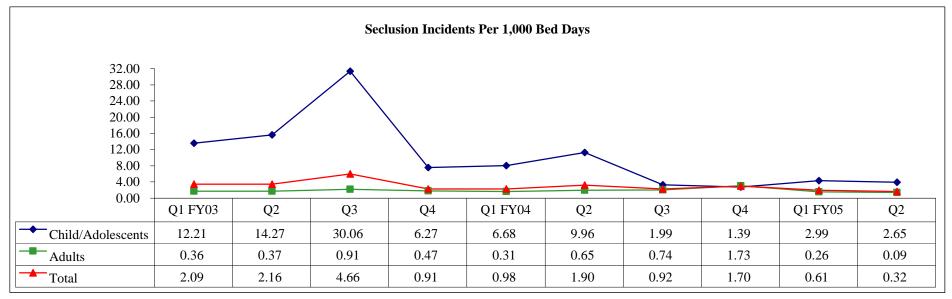




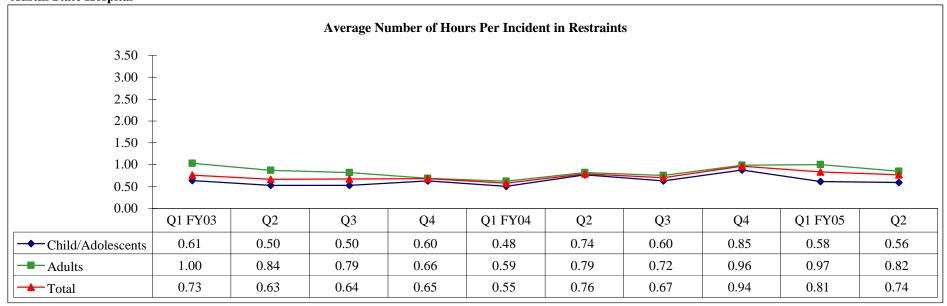
Objective 3B - Maintain Restraint and Seclusion Data

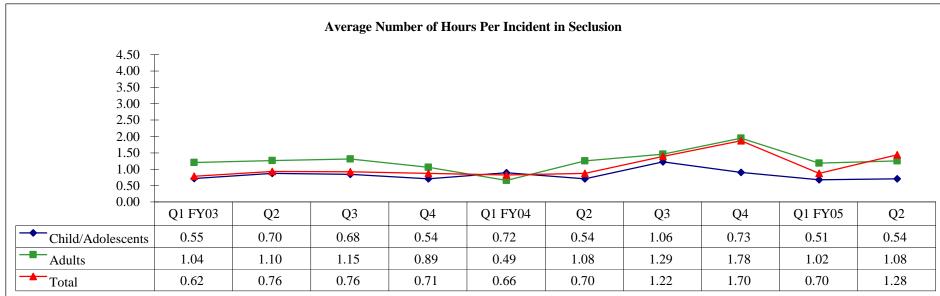
Austin State Hospital





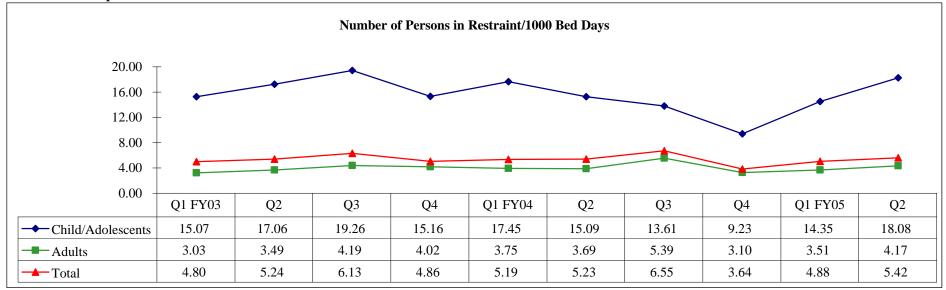
Objective 3B - Maintain Restraint and Seclusion Data Austin State Hospital

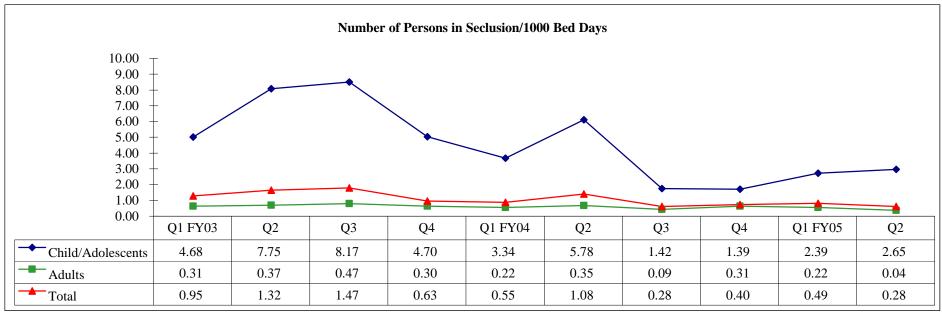




Objective 3B - Maintain Restraint and Seclusion Data

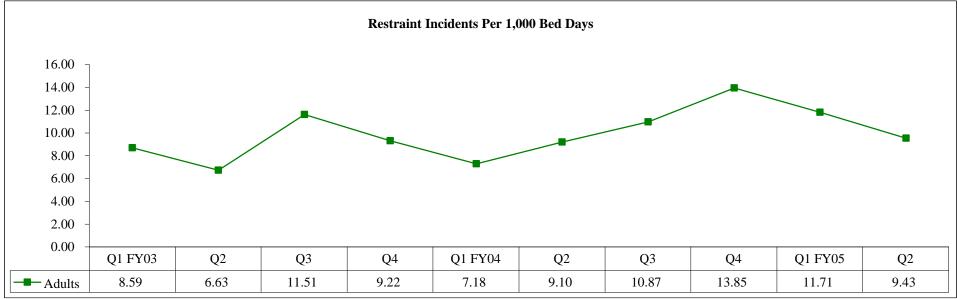
Austin State Hospital

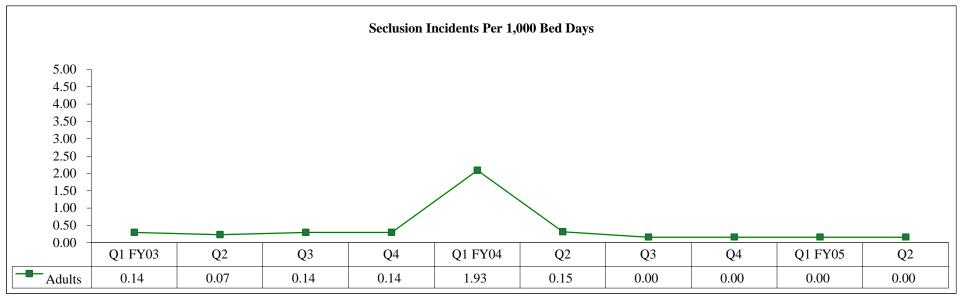




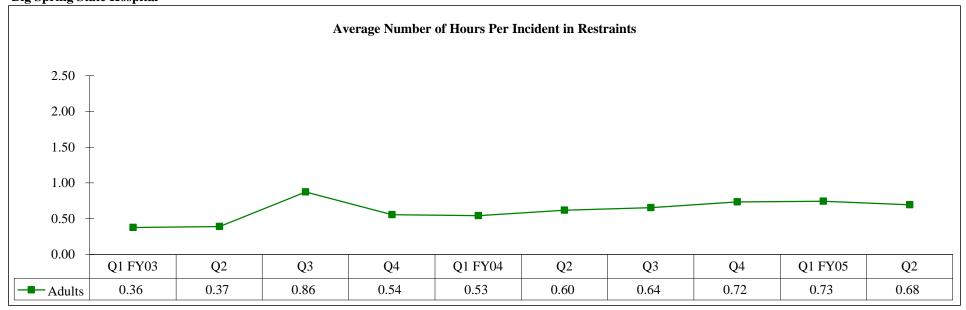
Objective 3B - Maintain Restraint and Seclusion Data

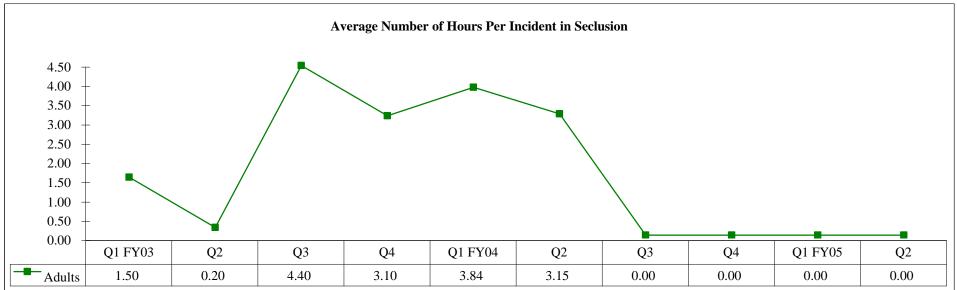




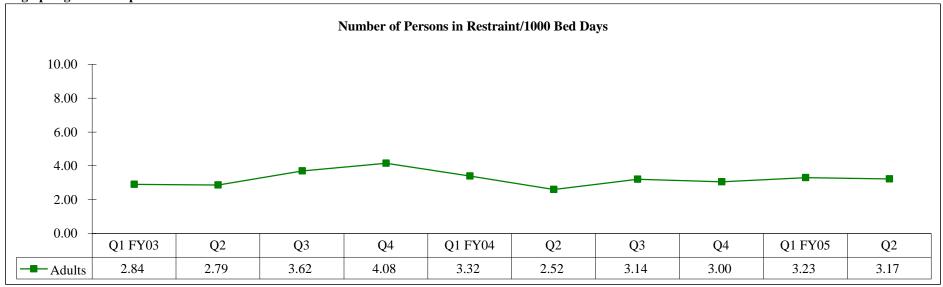


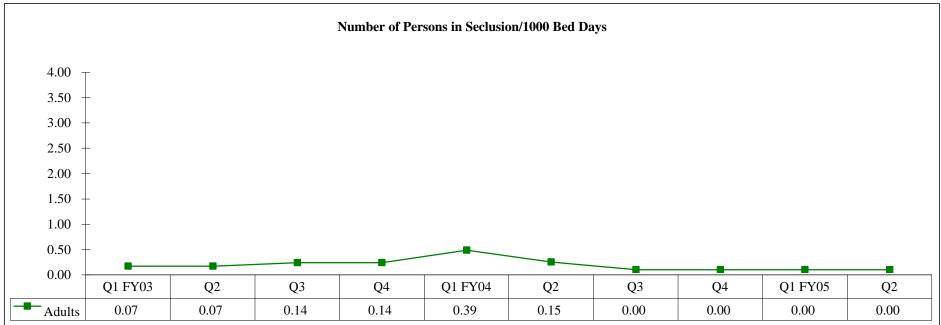
Objective 3B - Maintain Restraint and Seclusion Data Big Spring State Hospital



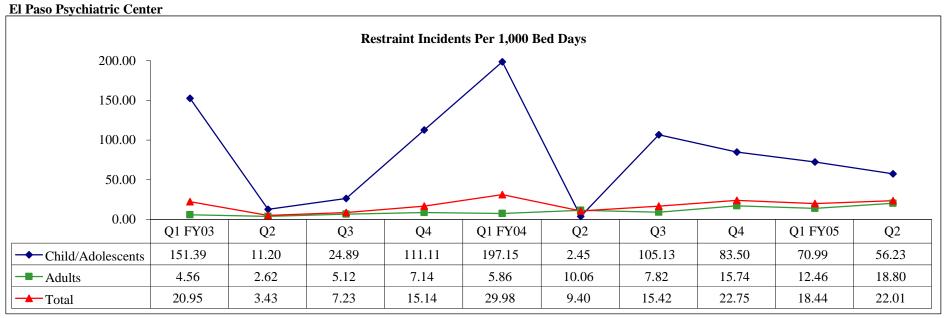


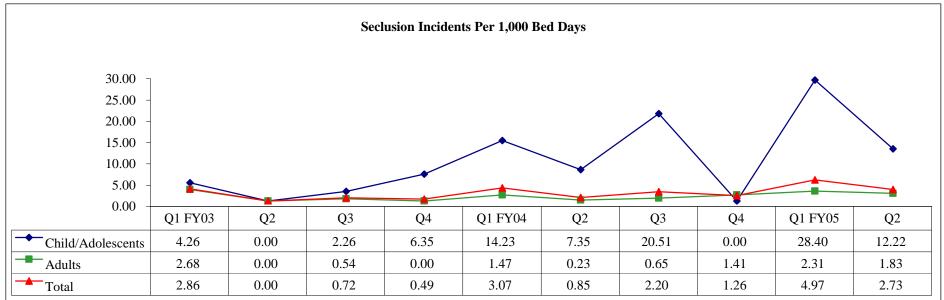
Objective 3B - Maintain Restraint and Seclusion Data Big Spring State Hospital





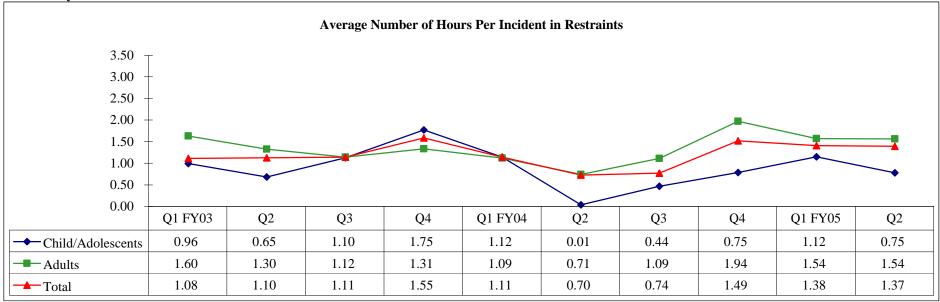
Objective 3B - Maintain Restraint and Seclusion Data

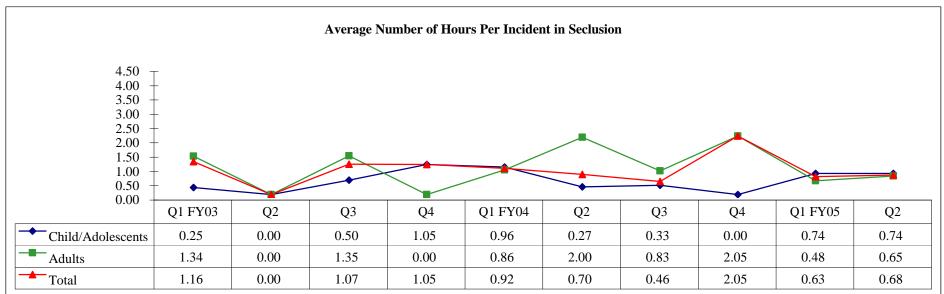




Objective 3B - Maintain Restraint and Seclusion Data

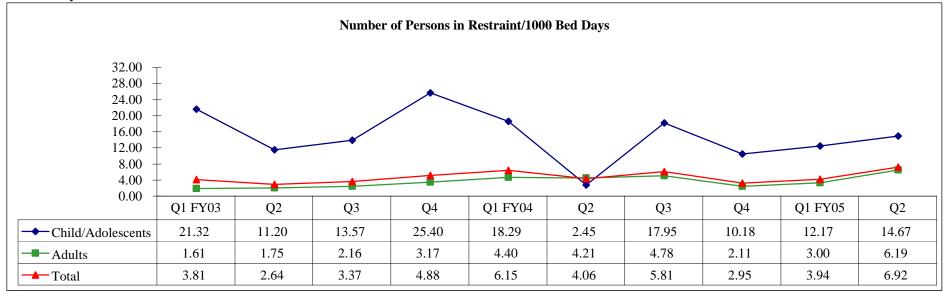
El Paso Psychiatric Center

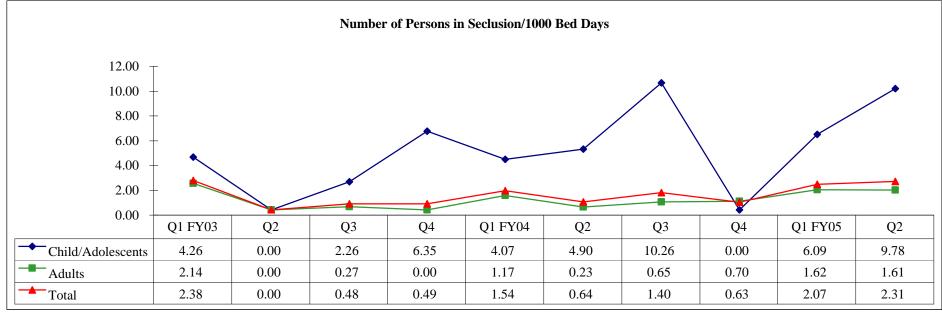




Objective 3B - Maintain Restraint and Seclusion Data

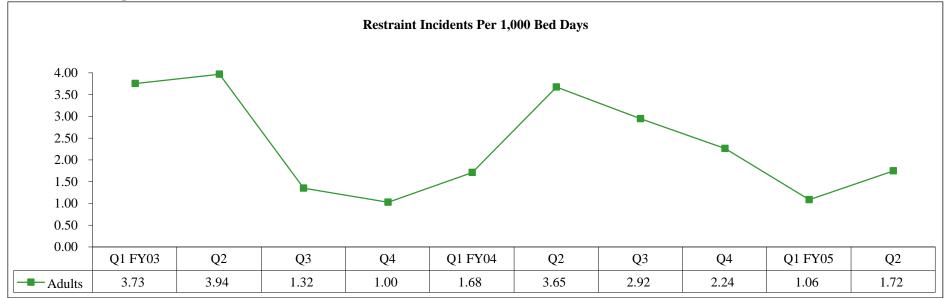
El Paso Psychiatric Center

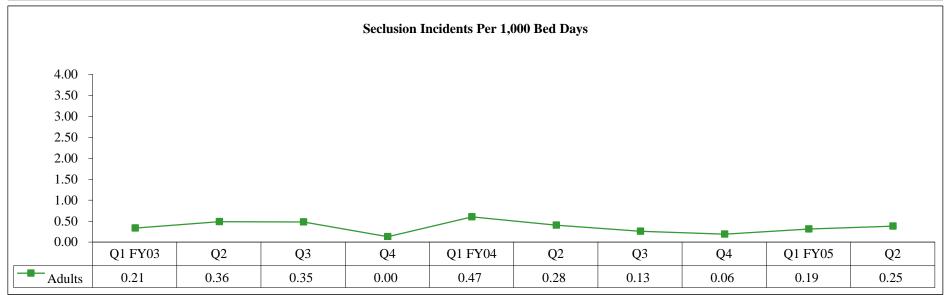




Objective 3B - Maintain Restraint and Seclusion Data

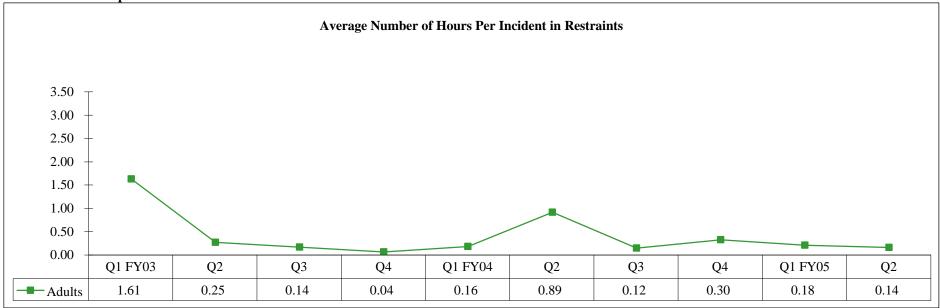
Kerrville State Hospital

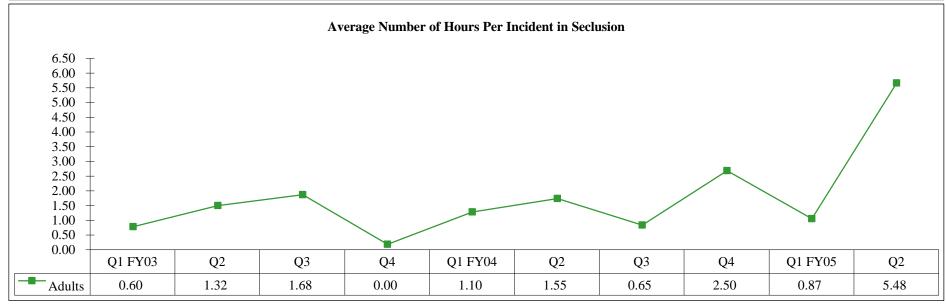




Objective 3B - Maintain Restraint and Seclusion Data

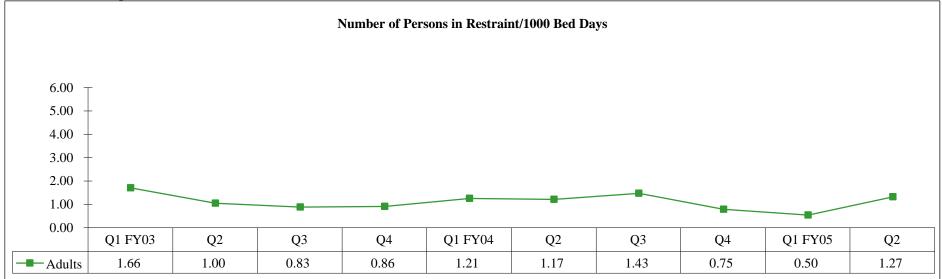
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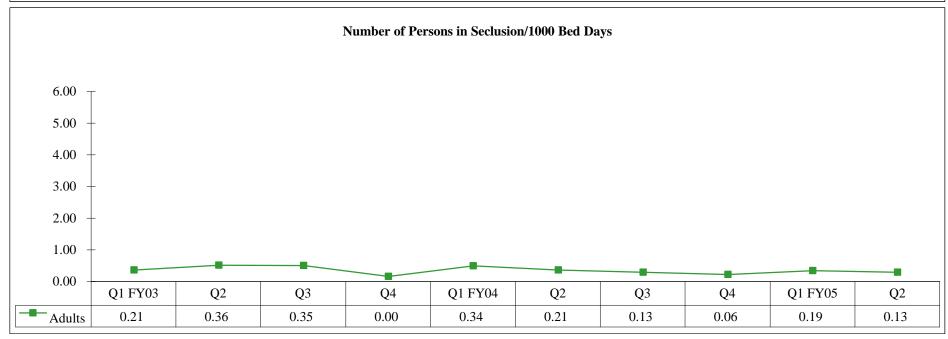




Objective 3B - Maintain Restraint and Seclusion Data

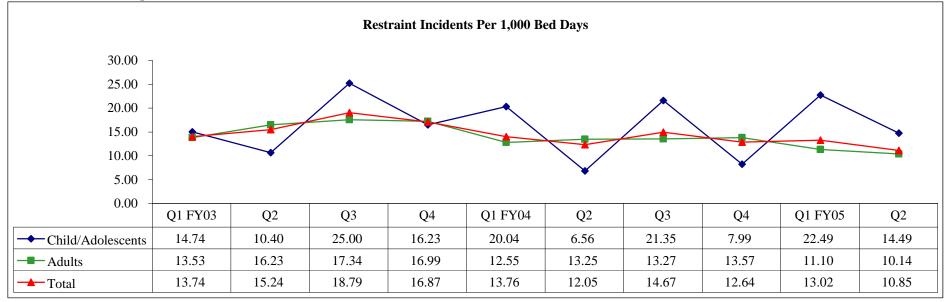
Kerrville State Hospital

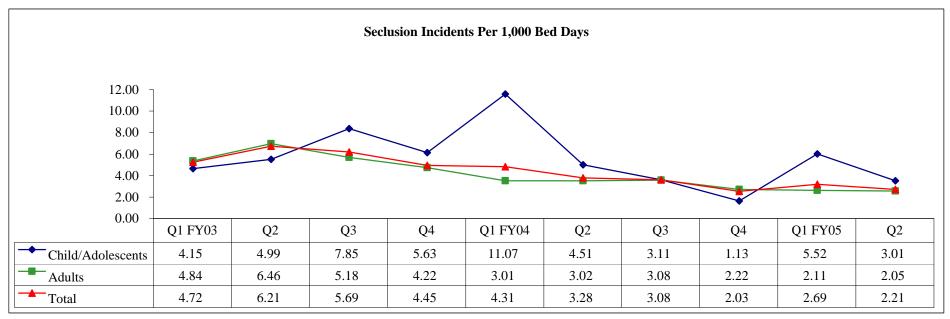




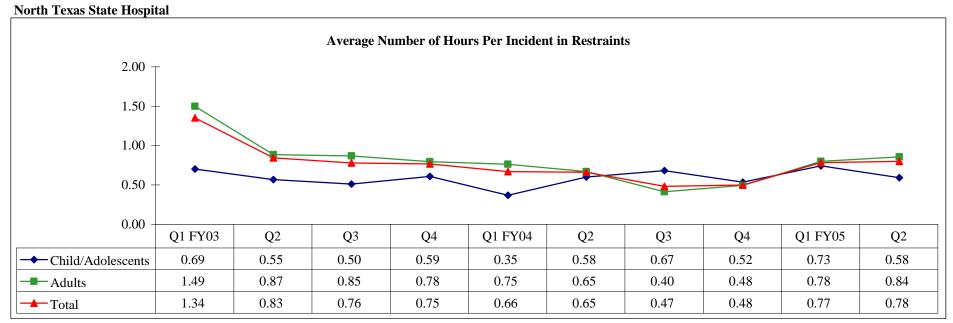
Objective 3B - Maintain Restraint and Seclusion Data

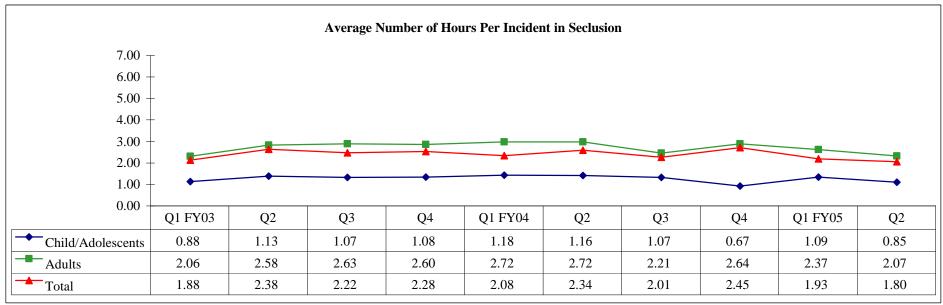
North Texas State Hospital





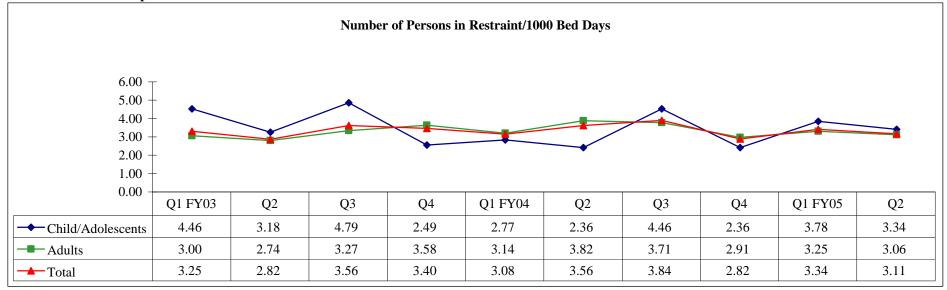
Objective 3B - Maintain Restraint and Seclusion Data

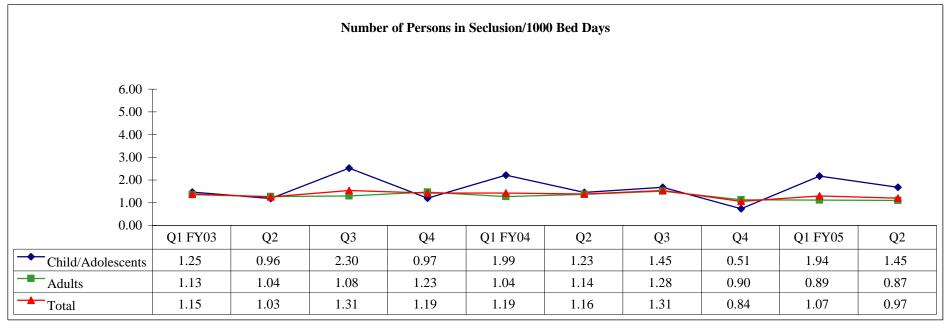




Objective 3B - Maintain Restraint and Seclusion Data

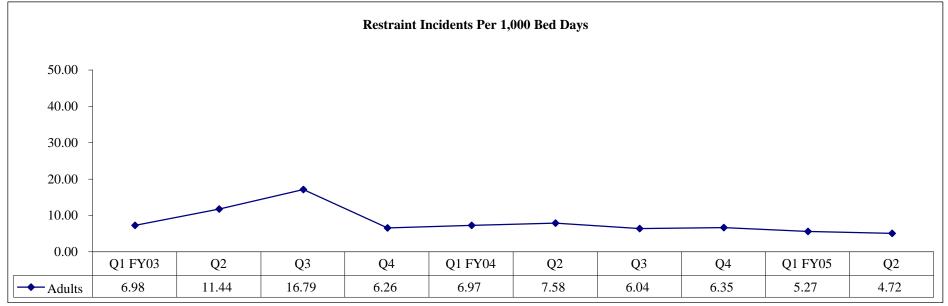
North Texas State Hospital

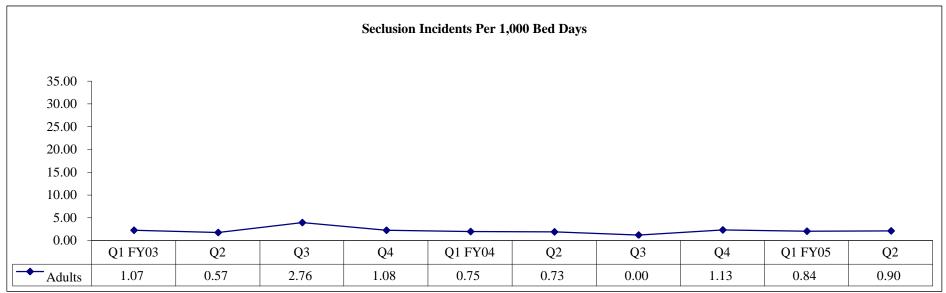




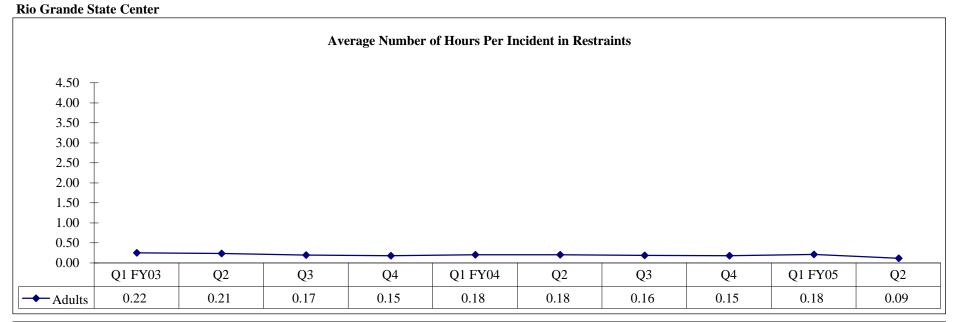
Objective 3B - Maintain Restraint and Seclusion Data

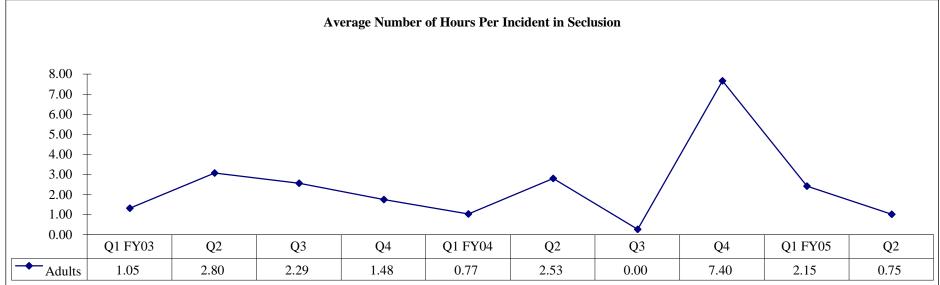




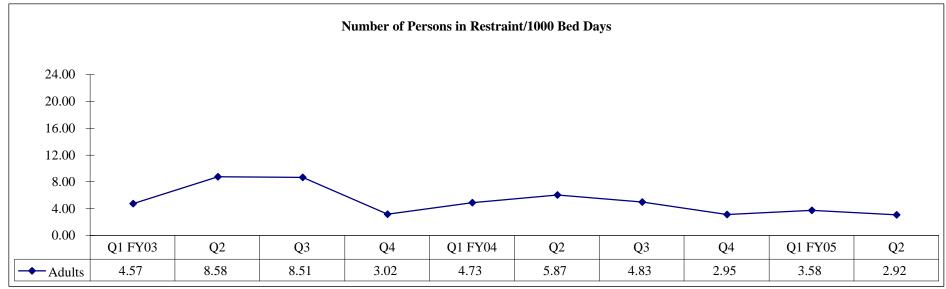


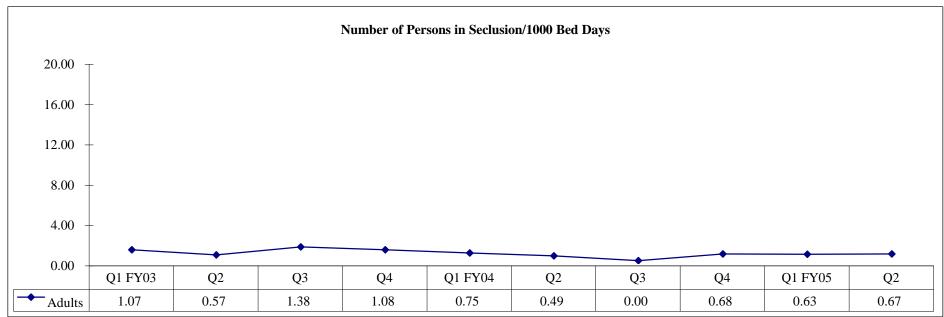
Objective 3B - Maintain Restraint and Seclusion Data



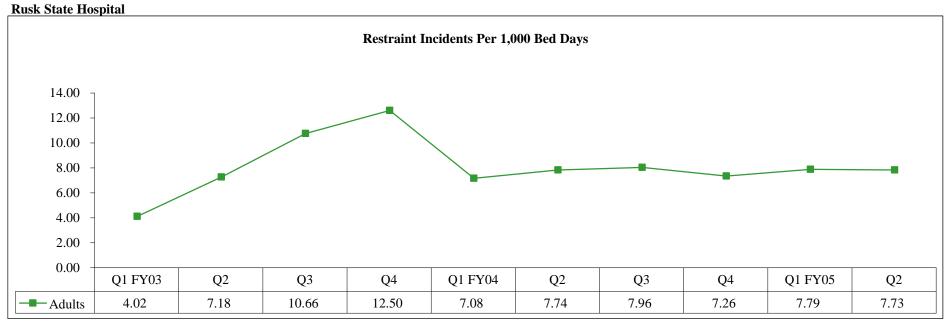


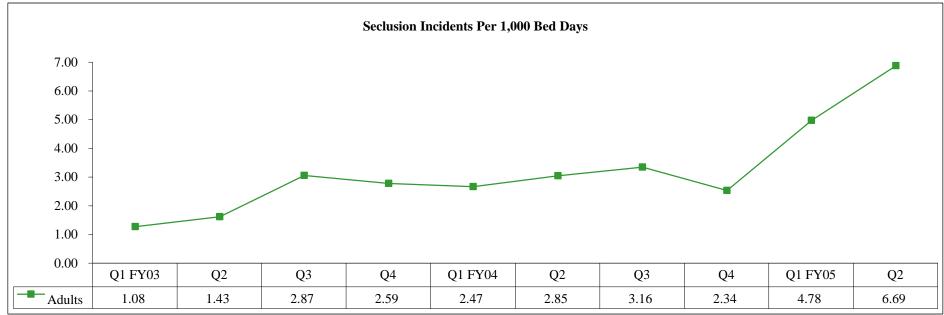
Objective 3B - Maintain Restraint and Seclusion Data Rio Grande State Center





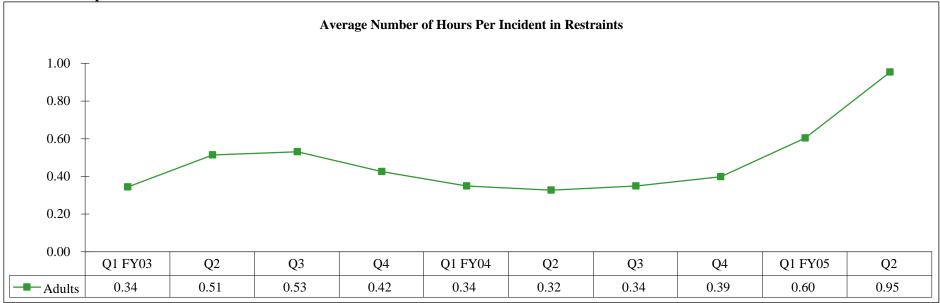
Objective 3B - Maintain Restraint and Seclusion Data

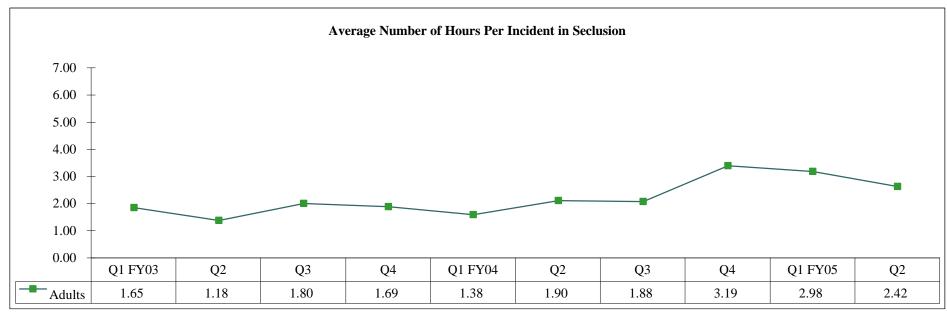




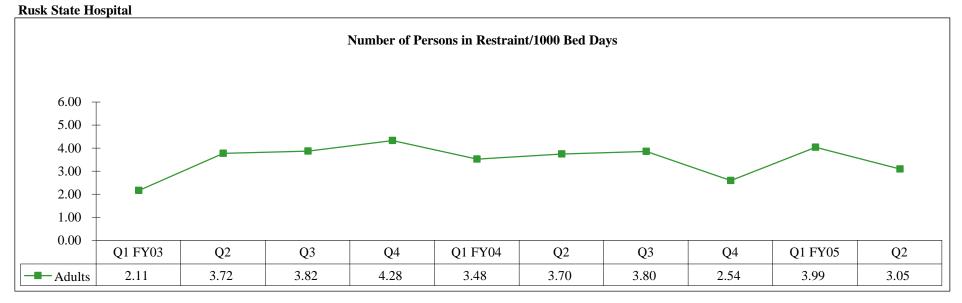
Objective 3B - Maintain Restraint and Seclusion Data

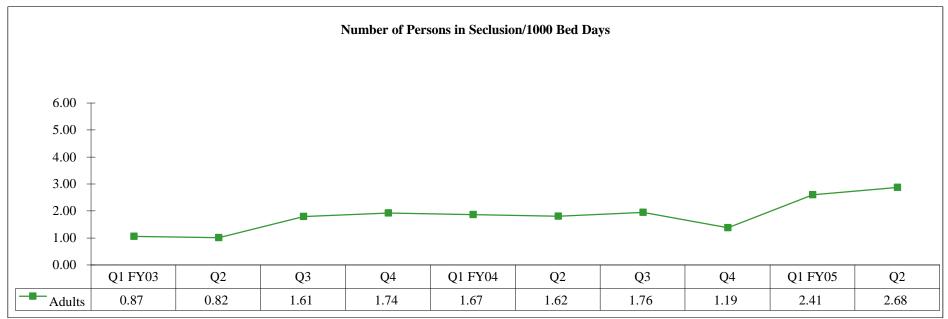
Rusk State Hospital



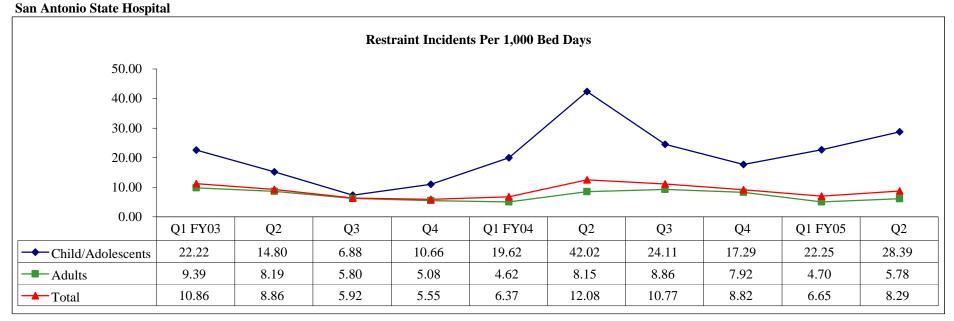


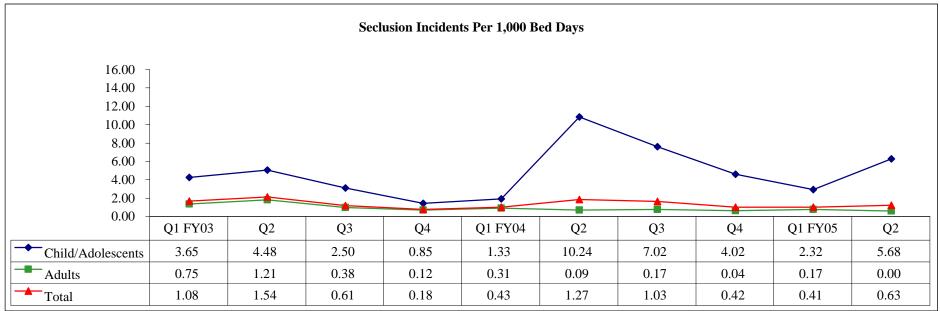
Objective 3B - Maintain Restraint and Seclusion Data



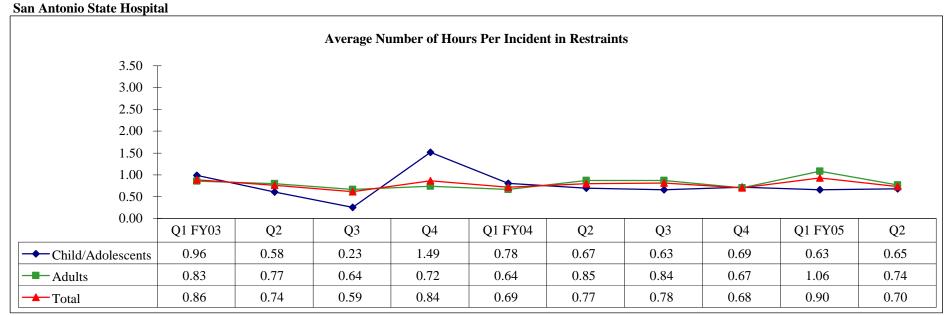


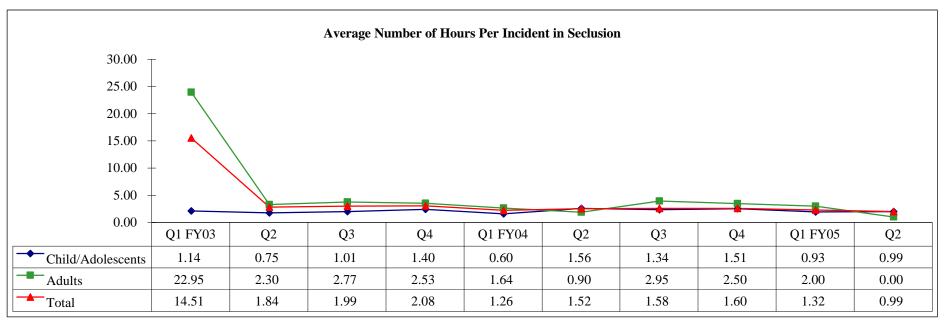
Objective 3B - Maintain Restraint and Seclusion Data



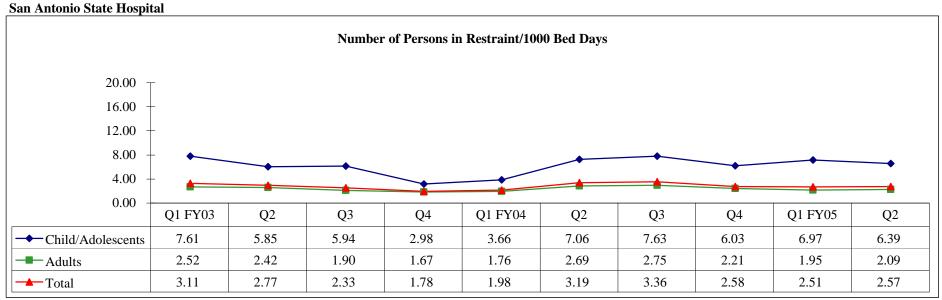


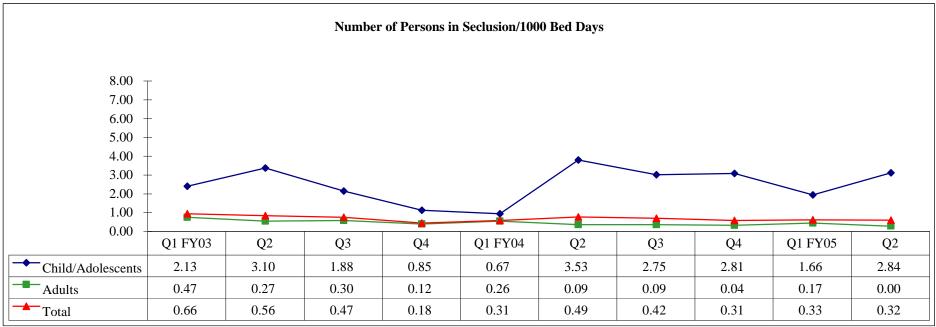
Objective ${\bf 3B}$ - Maintain Restraint and Seclusion Data



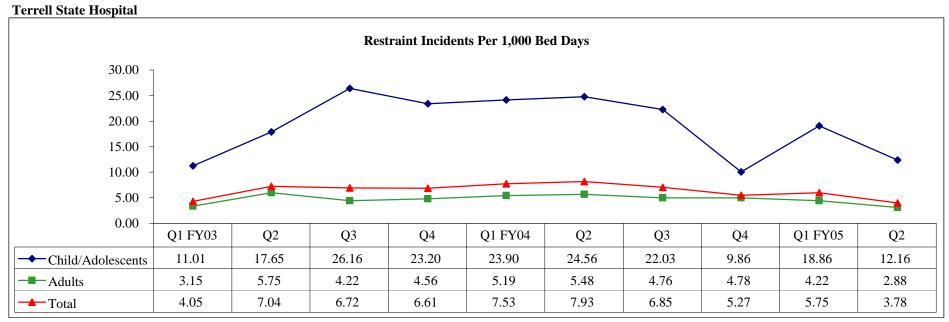


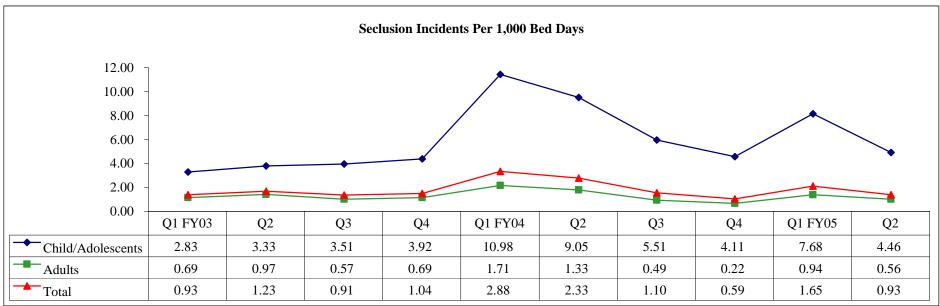
Objective 3B - Maintain Restraint and Seclusion Data





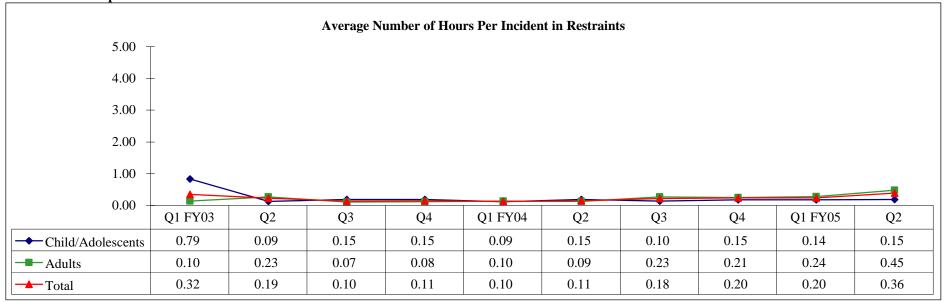
Objective 3B - Maintain Restraint and Seclusion Data

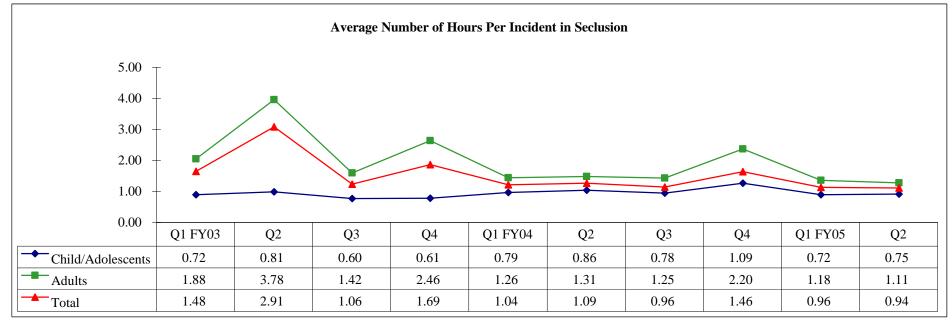




Objective 3B - Maintain Restraint and Seclusion Data

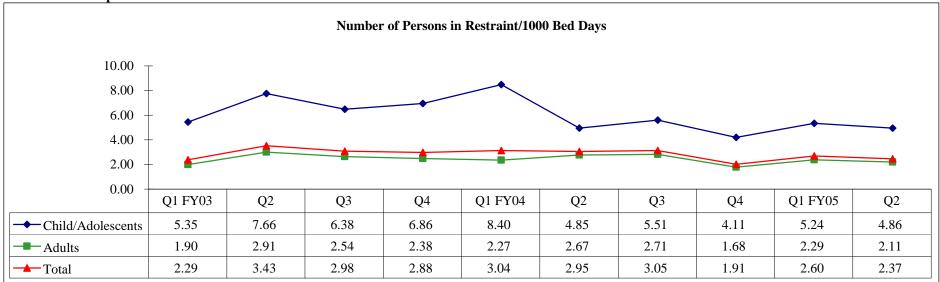
Terrell State Hospital

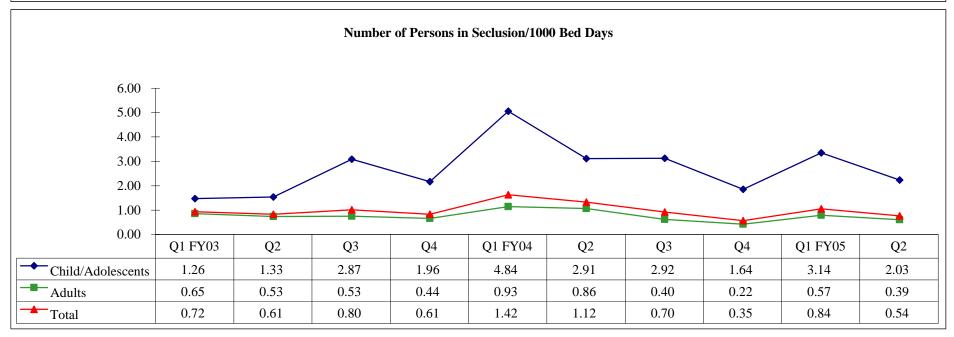




Objective 3B - Maintain Restraint and Seclusion Data

Terrell State Hospital





Objective 3B - Maintain Restraint and Seclusion Data

0.00

Child/Adolescents

Q1 FY03

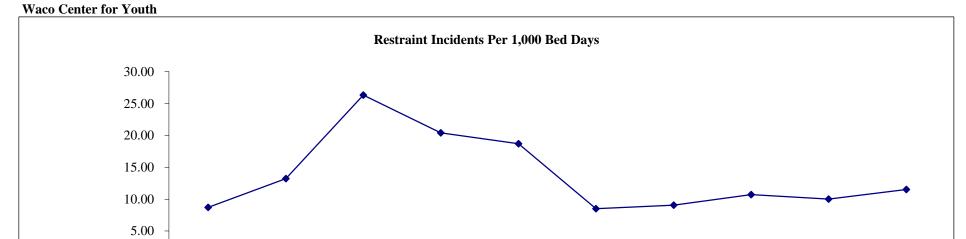
8.53

Q2

13.06

Q3

26.15



Q4

20.23

Q1 FY04

18.49

Q2

8.35

Q3

8.90

Q4

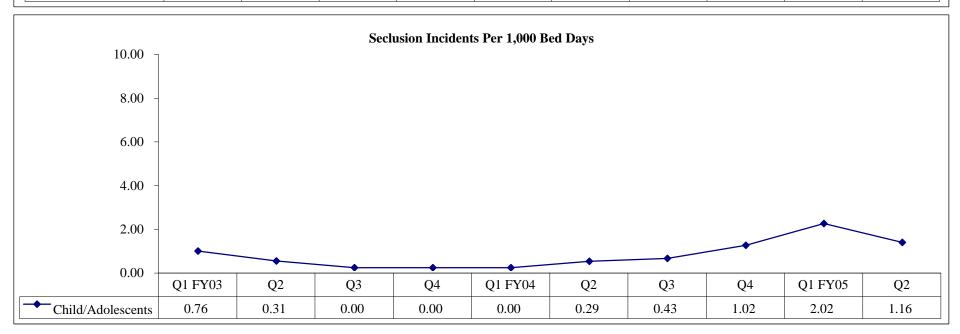
10.54

Q1 FY05

9.84

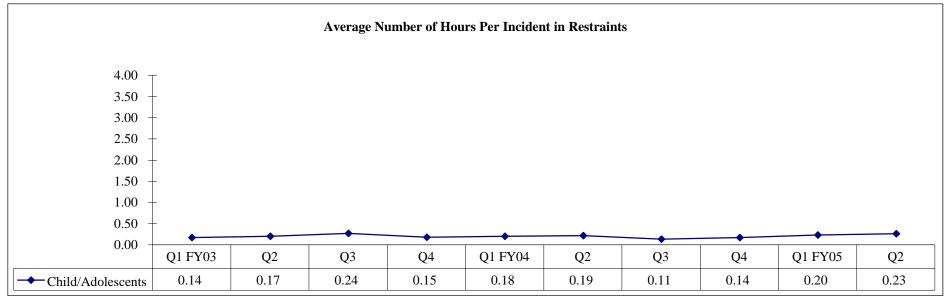
Q2

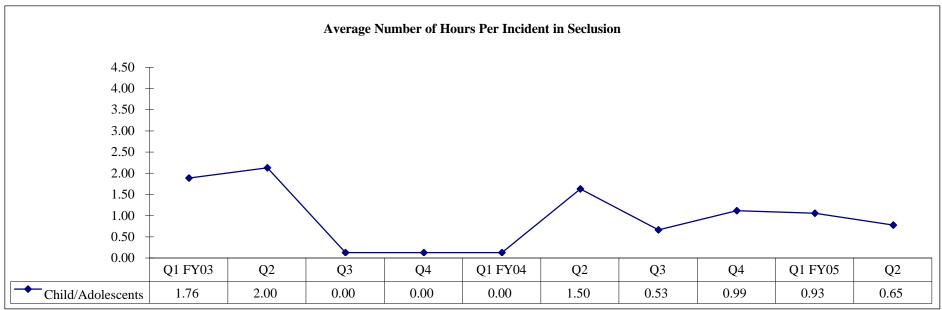
11.32



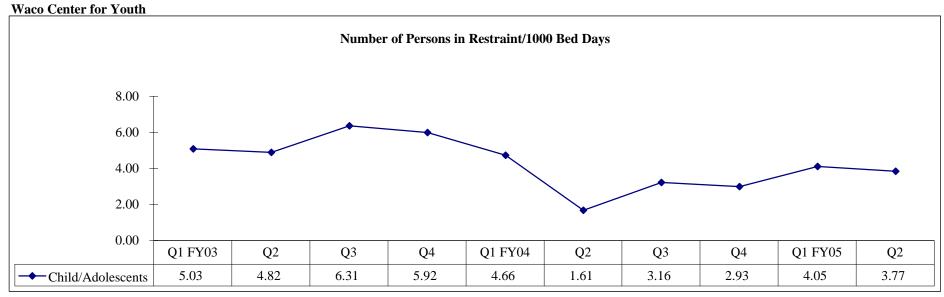
Objective 3B - Maintain Restraint and Seclusion Data

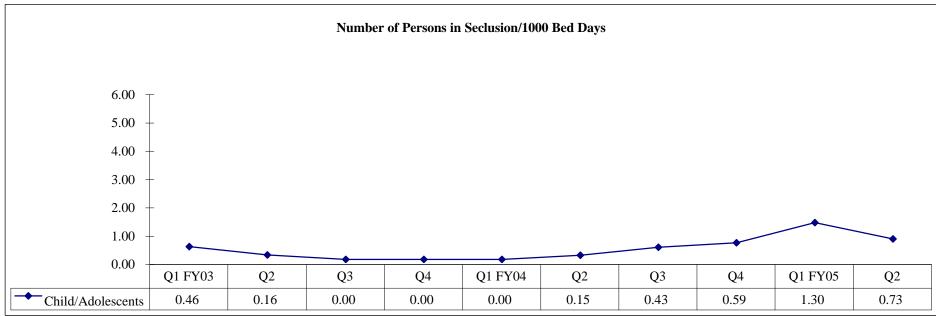
Waco Center for Youth





Objective 3B - Maintain Restraint and Seclusion Data





Performance Objective 3C:

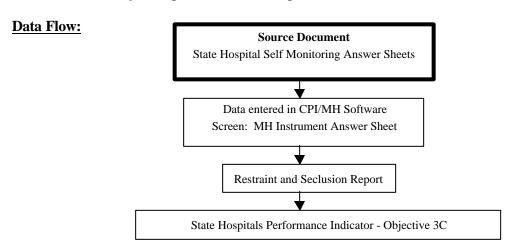
The Behavioral Restraint and Seclusion Monitoring Instrument will be utilized to assure the correct implementation of restraint and seclusion when it is necessary to utilize these procedures.

<u>Performance Objective Operational Definition:</u> Score from the CPI Restraint and Seclusion Monitoring instrument.

<u>Performance Objective Formula:</u> According to the CPI Restraint and Seclusion Monitoring instrument [(yes + no with)/(yes + no with + no) x 100].

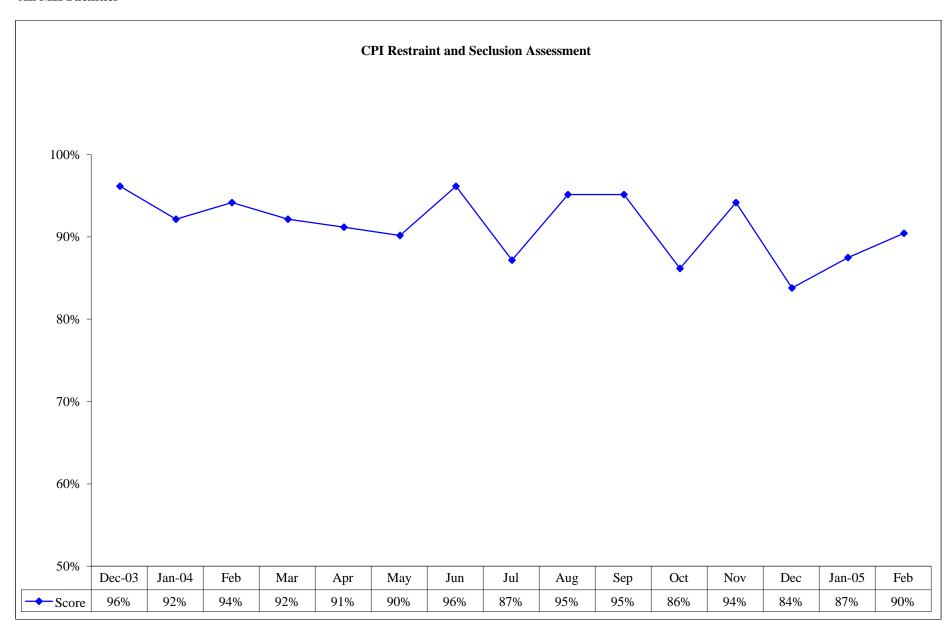
Performance Objective Data Display and Chart Description:

Chart with monthly data points of state hospital scores.

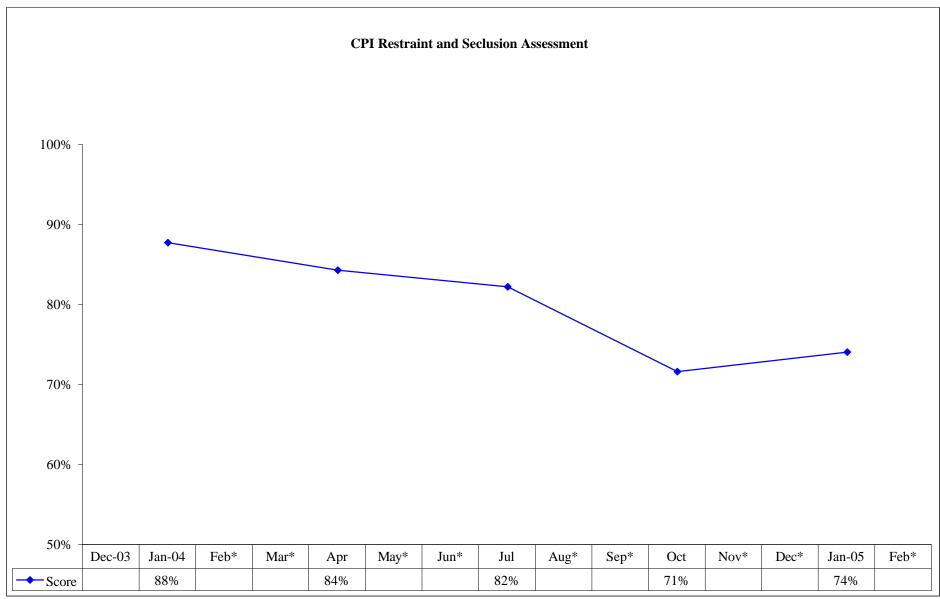


<u>Data Integrity Review Process</u>: (This process ensures the accuracy of data entered into the CPI software from the CPI answer sheets).

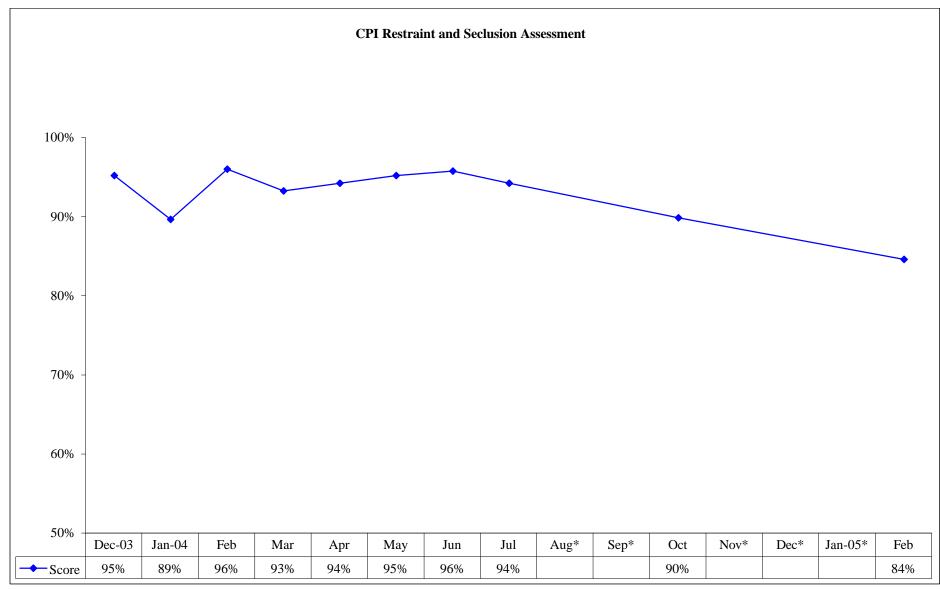
Objective 3C - Behavorial Restraint and Seclusion Assessment All MH Facilities



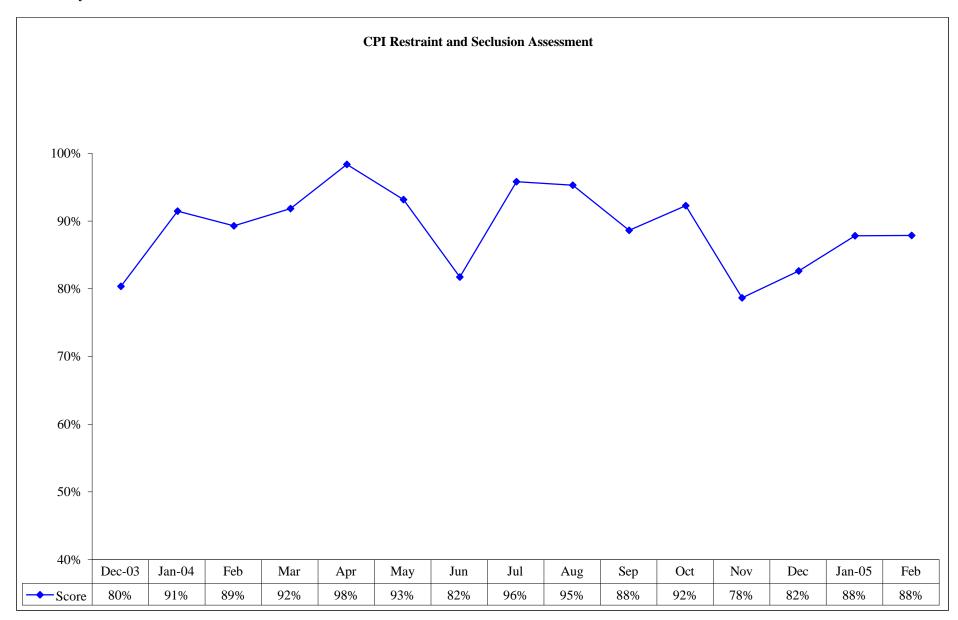
Objective 3C - Behavorial Restraint and Seclusion Assessment Austin State Hospital



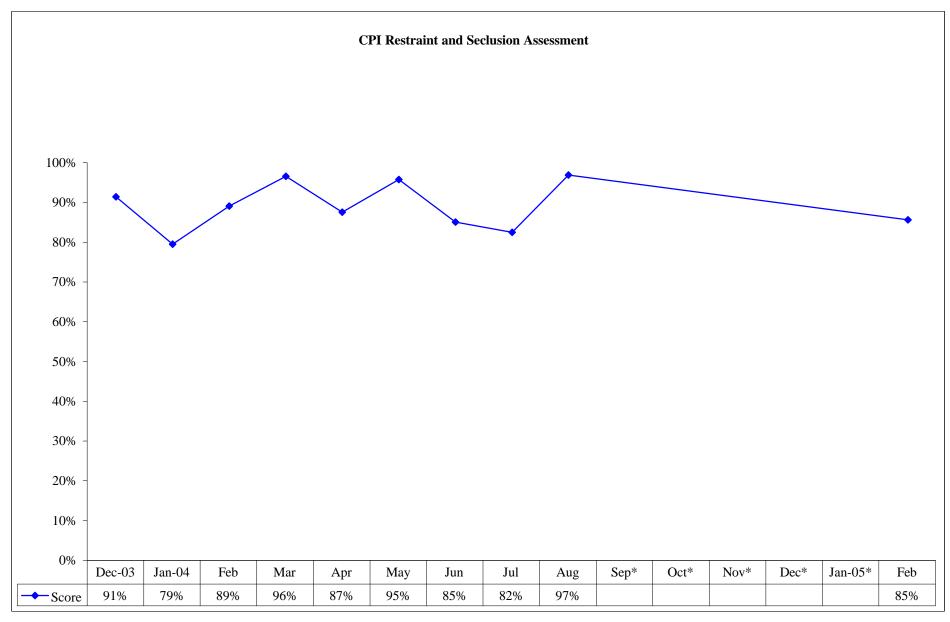
Objective 3C - Behavorial Restraint and Seclusion Assessment Big Spring State Hospital



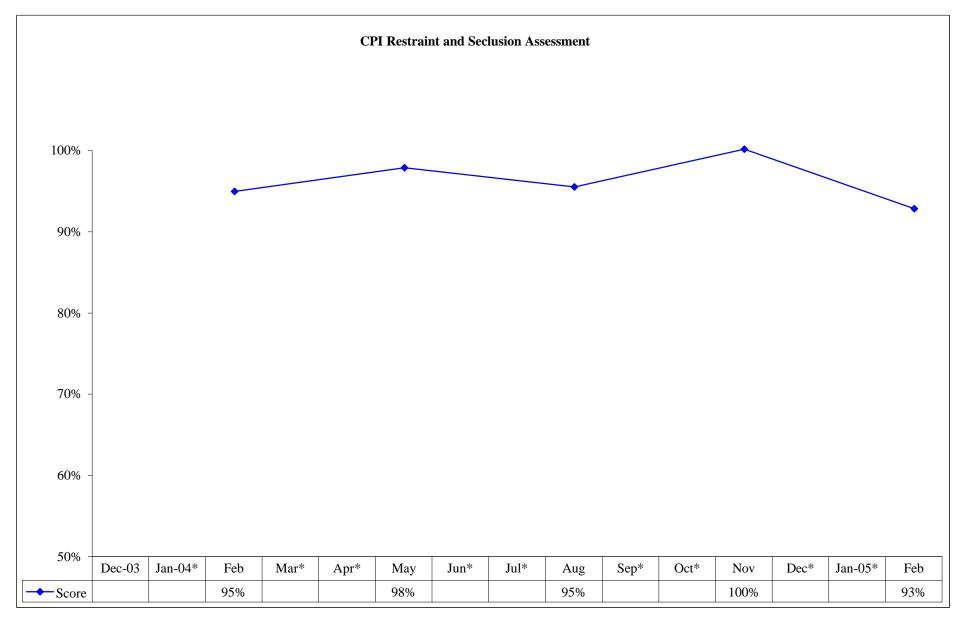
Objective 3C - Behavorial Restraint and Seclusion Assessment El Paso Psychiatric Center



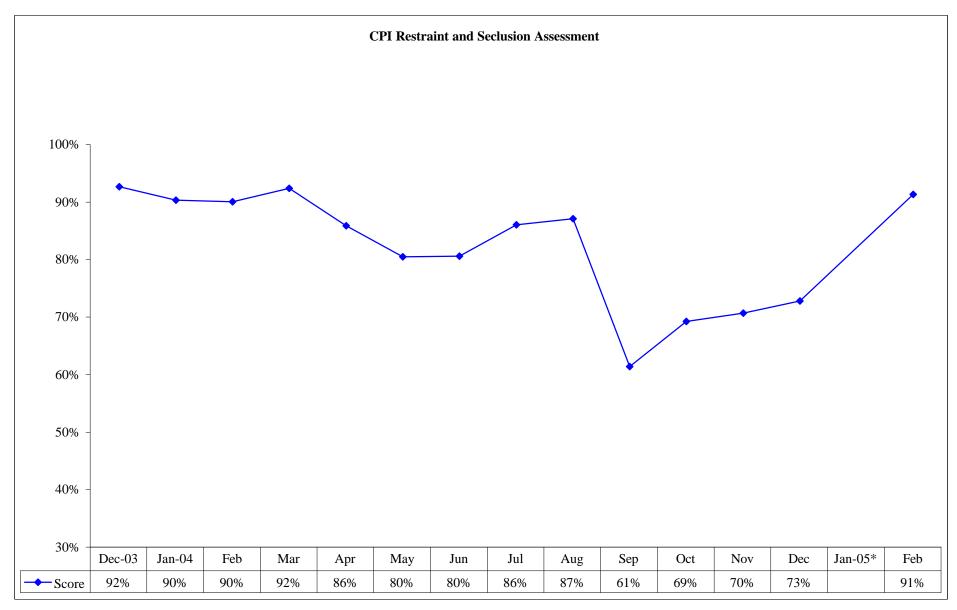
Objective 3C - Behavorial Restraint and Seclusion Assessment Kerrville State Hospital



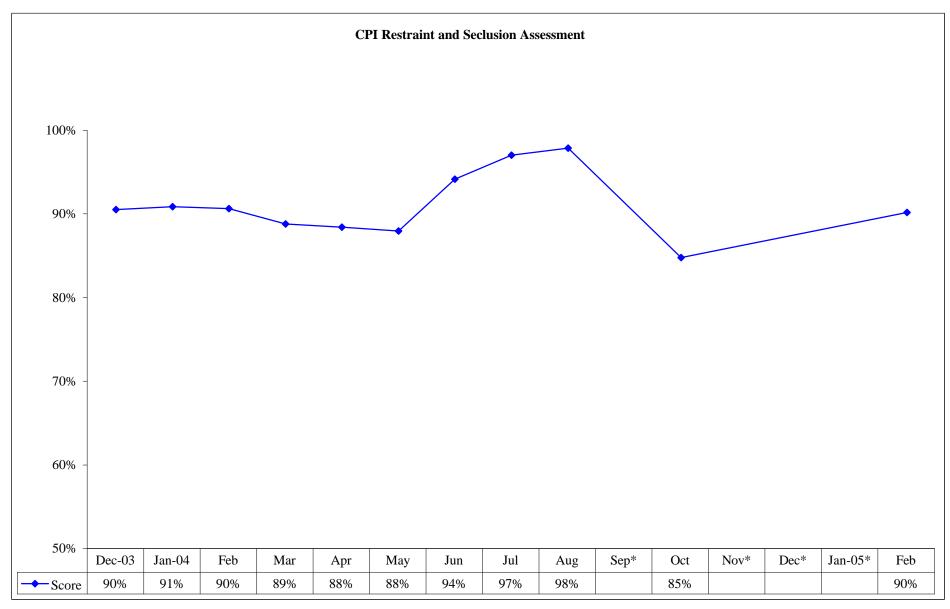
Objective 3C - Behavorial Restraint and Seclusion Assessment North Texas State Hospital



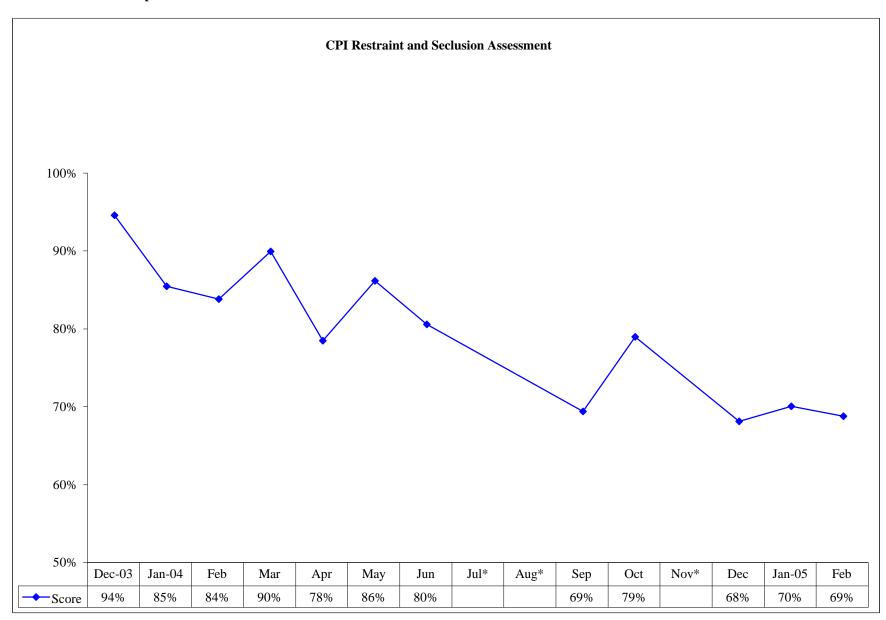
Objective 3C - Behavorial Restraint and Seclusion Assessment Rio Grande State Center



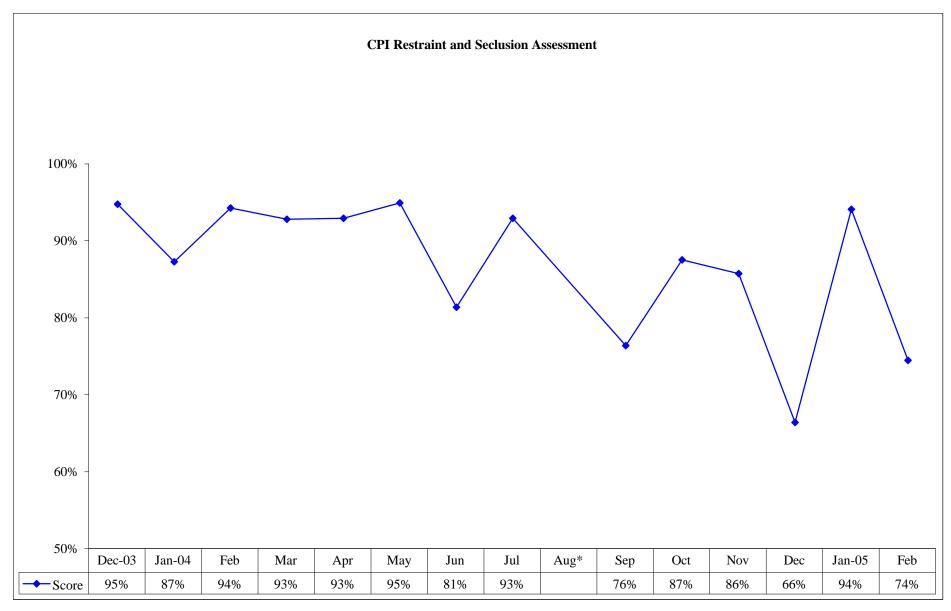
Objective 3C - Behavorial Restraint and Seclusion Assessment Rusk State Hospital



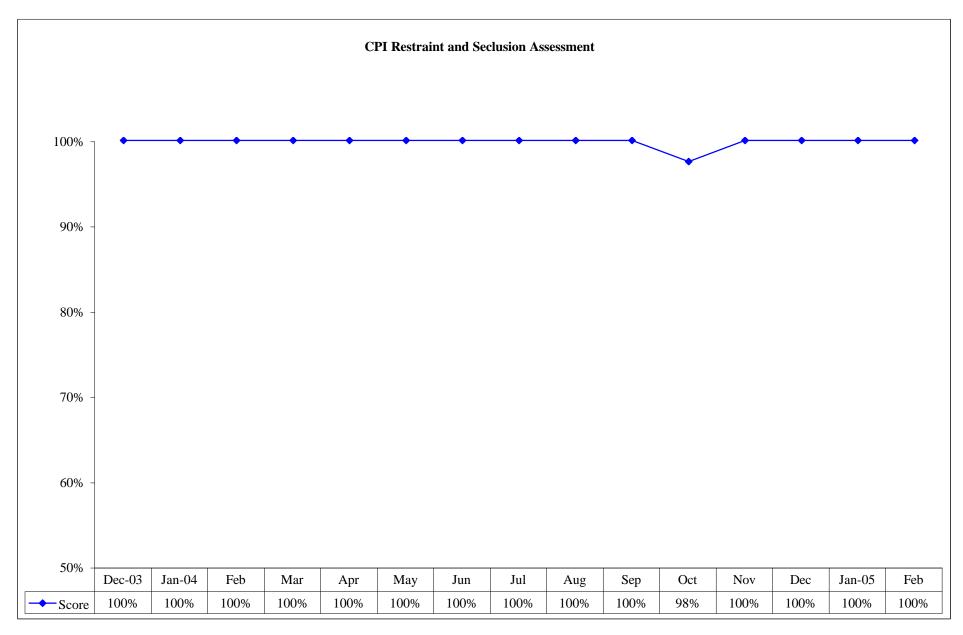
Objective 3C - Behavorial Restraint and Seclusion Assessment San Antonio State Hospital



Objective 3C - Behavorial Restraint and Seclusion Assessment Terrell State Hospital



Objective 3C - Behavorial Restraint and Seclusion Assessment Waco Center for Youth



Performance Objective 3H:

Every patient with a diagnosis of Major Depression, Schizophrenia, or Bipolar disorder will be staged on the appropriate algorithm at least at discharge.

<u>Performance Objective Operational Definition:</u> Total of patients with episodes that are tracked by TIMA. The last diagnosis entered into CWS is the diagnosis that will be compared to the TIMA algorithm/stage documented on the Physicians Discharge Order/Note.

Performance Objective Formula: R = (N/D)

R = rate of patients that are tracked by TIMA

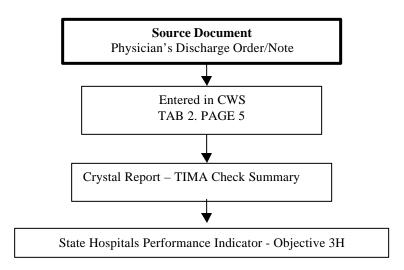
N = patients with episodes that are tracked by TIMA

D = patients with episodes that should be tracked by TIMA

Performance Objective Data Display and Chart Description:

- ◆ Table shows the percent of patients with episodes that are tracked by TIMA for individual state hospitals.
- Chart with monthly data points of percent of patients with episodes that are tracked by TIMA, number of patients with episodes that should be tracked and number of patients with episodes that are tracked for individual state hospitals and system-wide.

Data Flow:



Data Integrity Review Process:

Monitoring Method	Desk and Record Review of applicable TIMA data				
Monitoring Instrument/Tool	TIMA Details CWS Report and DIR Tally Sheet				
Description of Review Process	Compare the TIMA algorithm and stage in the TIMA Details CWS Report to the corresponding information in the CWS Physician's Discharge Order/Note.				
Facility and DIR Sample Size	In a given quarter, 30 randomly selected cases are reviewed.				
Monitoring Frequency	Facility: Semiannually; HMDS: Annually				
Performance Improvement Trigger	When there is missing or incorrect data for the quarter reviewed.				
DIR/HMDS Report	Summary of review including findings and data analysis				

Objective 3H - Texas Implementation of Medication Algorithm (TIMA) All MH Facilities

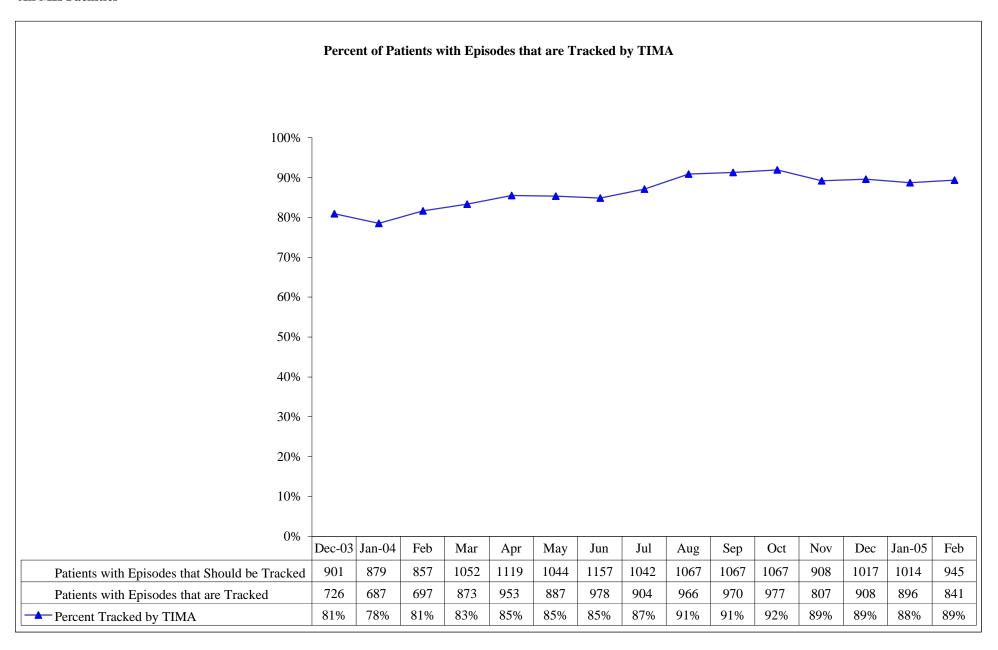
Percent of Patients with Episodes that are Tracked by TIMA

Facility	Dec-03	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
ASH	80%	79%	91%	89%	94%	95%	93%	88%	91%	93%	97%	93%	92%	89%	91%
BSSH	76%	73%	79%	81%	83%	70%	73%	69%	80%	83%	66%	71%	76%	67%	81%
EPPC	56%	66%	65%	66%	68%	85%	77%	76%	84%	89%	100%	91%	85%	98%	95%
KSH	88%	89%	100%	98%	95%	80%	68%	73%	91%	93%	95%	86%	95%	97%	100%
NTSH	95%	99%	94%	93%	83%	85%	79%	85%	93%	91%	91%	86%	90%	85%	87%
RGSC	97%	100%	96%	91%	87%	82%	84%	84%	83%	80%	91%	76%	94%	71%	76%
RSH	86%	82%	82%	87%	95%	95%	92%	88%	91%	83%	86%	84%	76%	87%	86%
SASH	89%	77%	78%	85%	92%	88%	97%	97%	97%	97%	94%	94%	93%	88%	89%
TSH	50%	44%	43%	57%	56%	60%	66%	92%	91%	97%	97%	98%	96%	98%	95%
All MH	81%	78%	81%	83%	85%	85%	85%	87%	91%	91%	92%	89%	89%	88%	89%

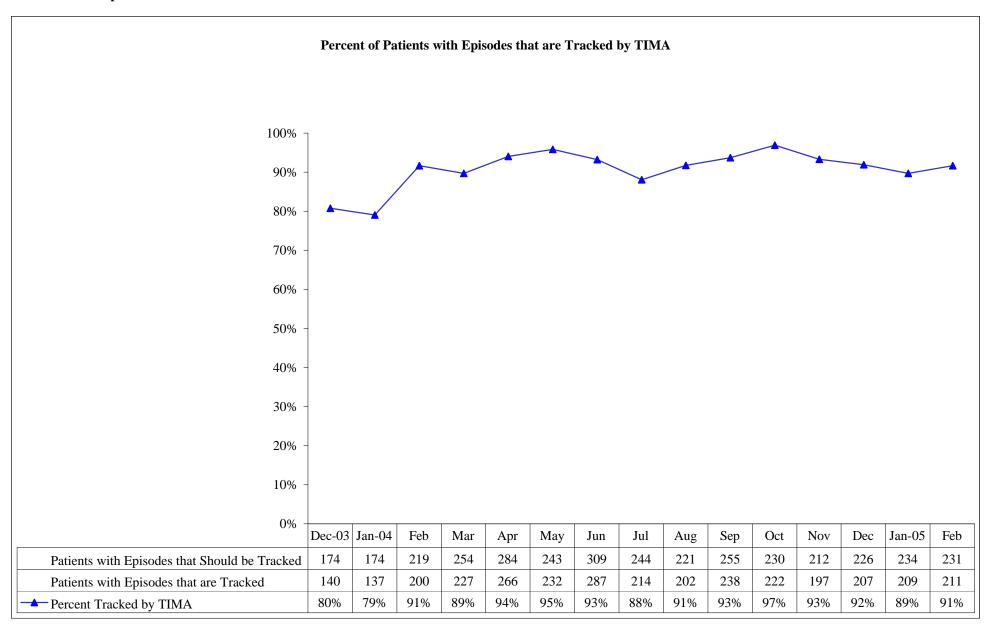
WCFY is exempted - There are no algorithm/scores for children at this time.

Chart: Hospital Management Data Services Source: BHIS Report - TIMA Check Summary

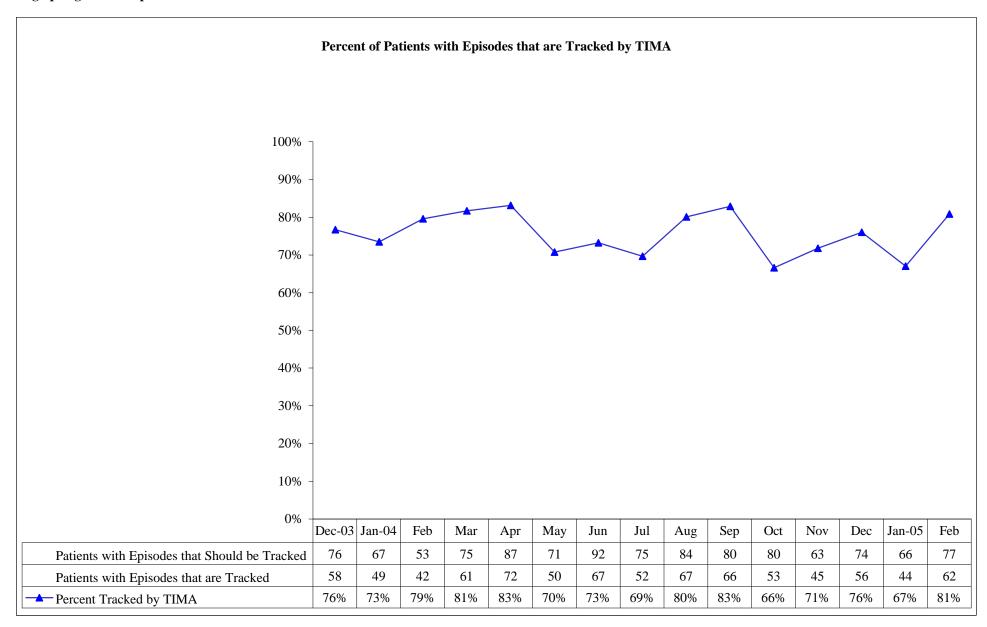
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) All MH Facilities



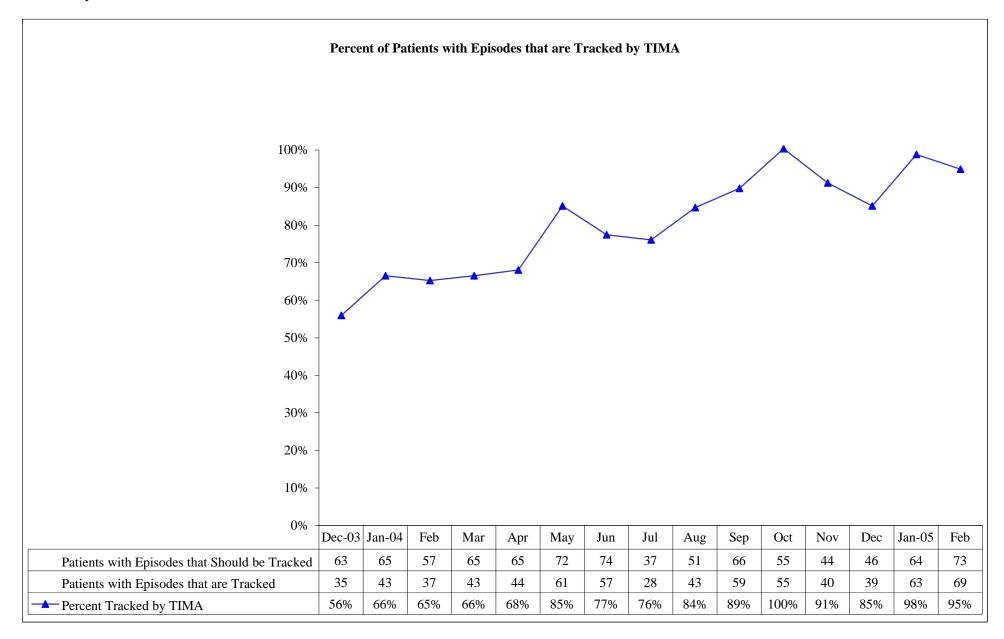
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Austin State Hospital



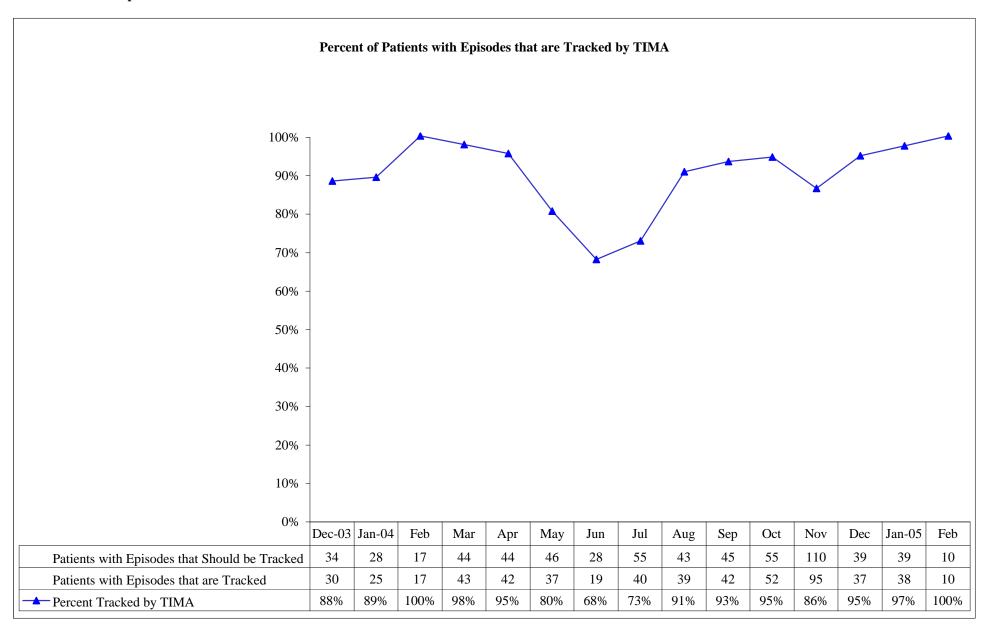
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Big Spring State Hospital



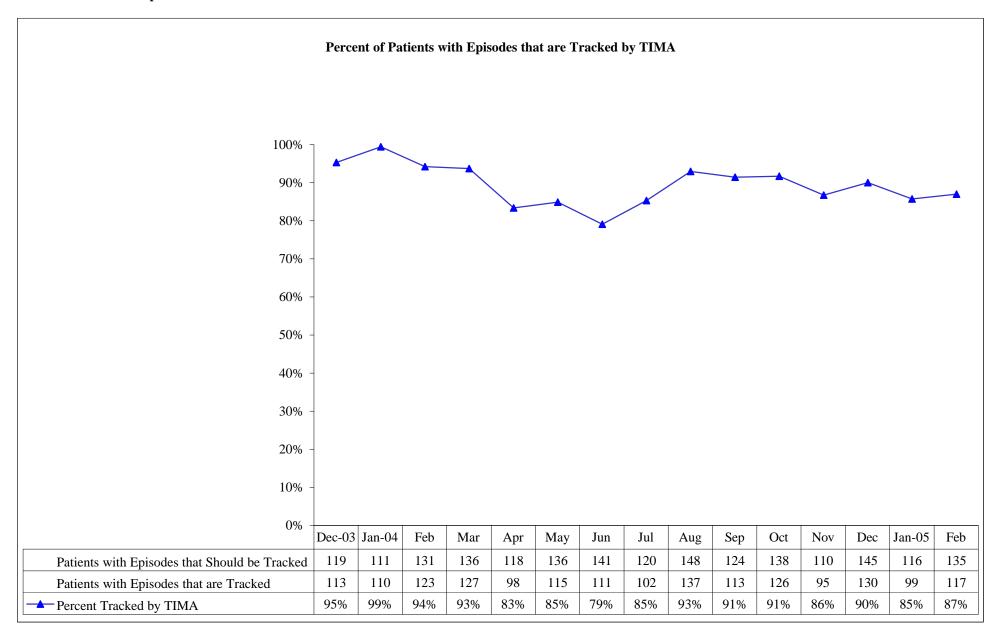
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) El Paso Psychiatric Center



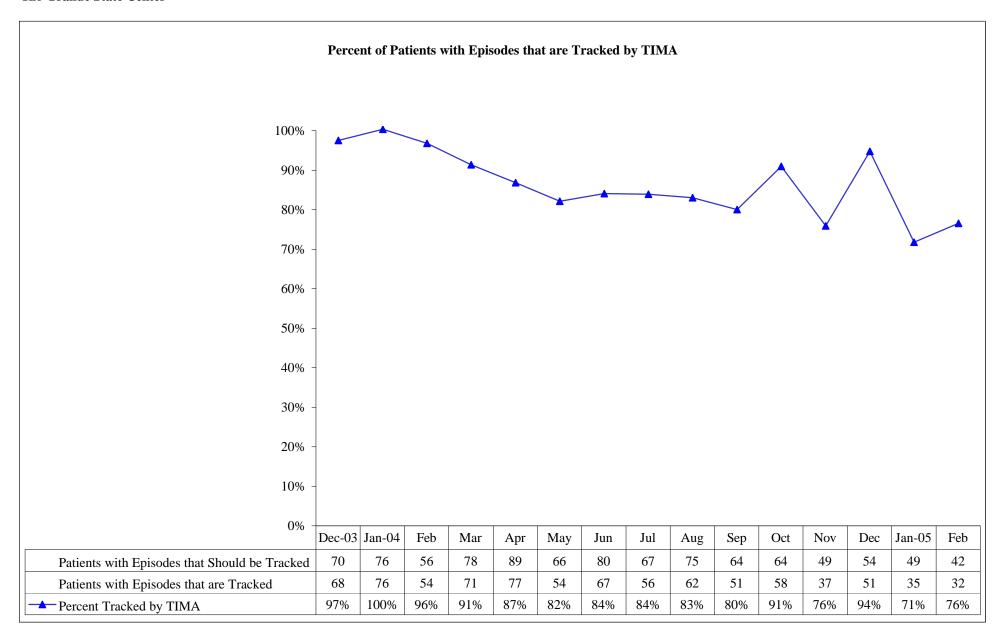
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Kerrville State Hospital



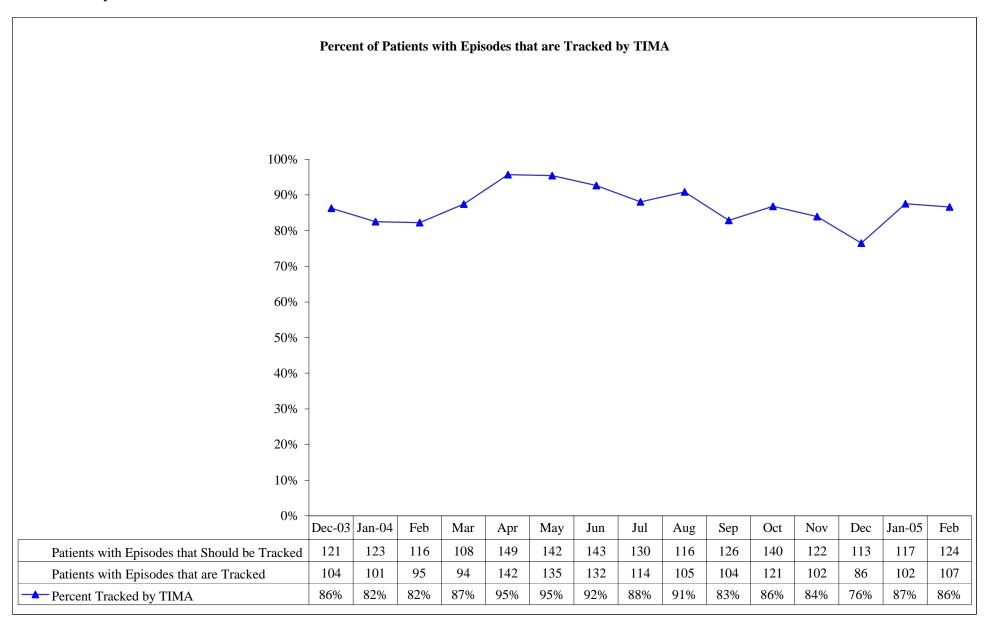
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) North Texas State Hospital



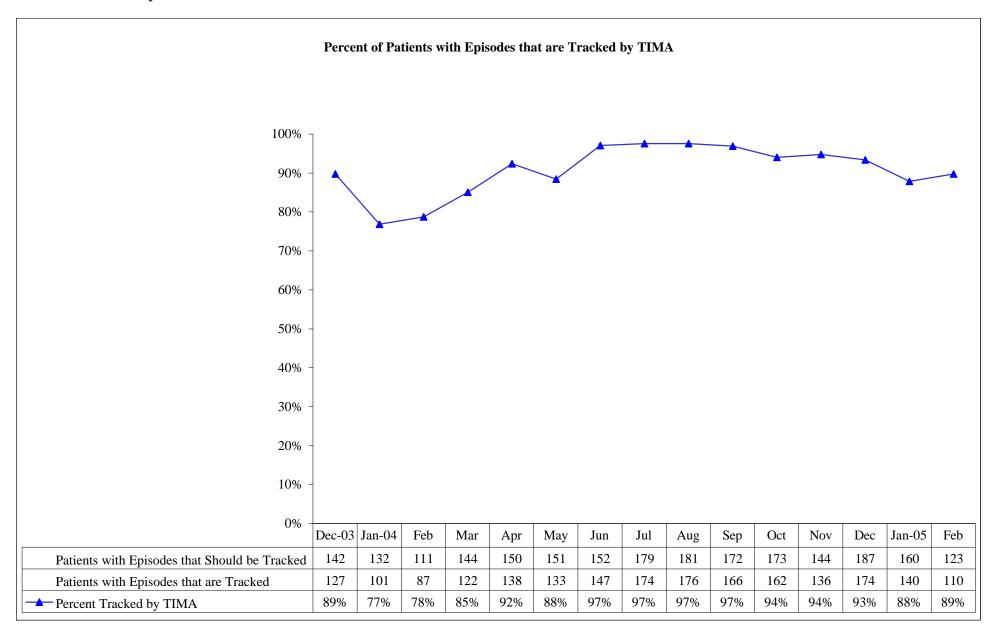
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Rio Grande State Center



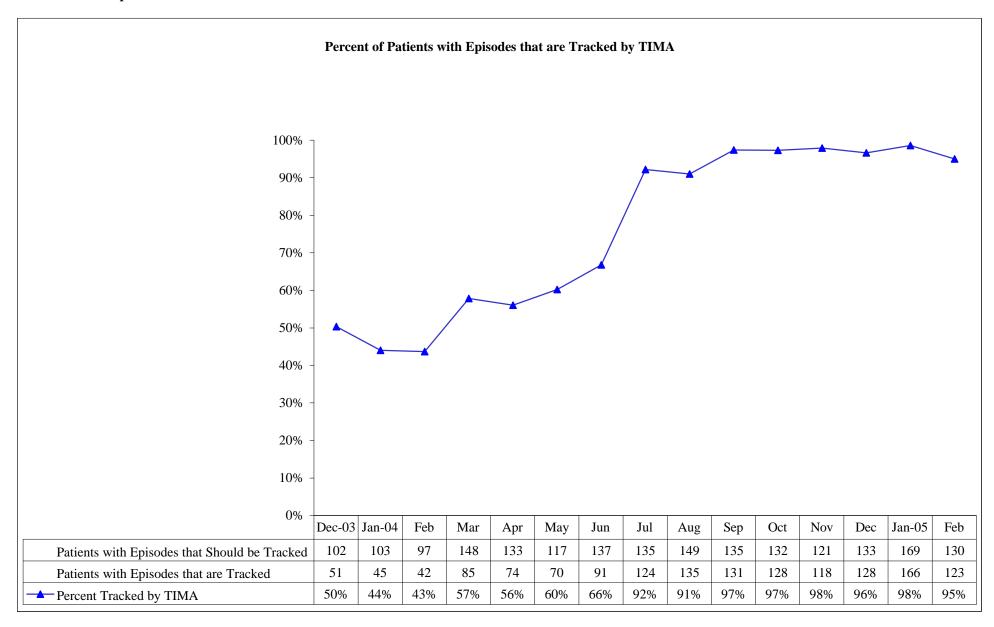
Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Rusk State Hospital



Objective 3H - Texas Implementation of Medication Algorithm (TIMA) San Antonio State Hospital



Objective 3H - Texas Implementation of Medication Algorithm (TIMA) Terrell State Hospital



Performance Measure 3A:

BPRS: Improvement in patient treatment outcomes in state mental health facilities will be measured by showing a significant decease of clinical symptoms with a reduction of more than twelve (12) points.

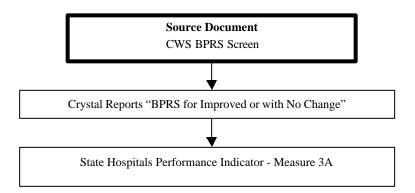
Performance Measure Operational Definition: For each quarter, the number of discharged patients in CARE with two BPRS scores that have a change in scores of +12 points or less. BPRS Version 4.0, Expanded Version will be used to rate all patients upon admission and discharge. To be valid, total BPRS score must be between 24 and 168. Higher BPRS scores represent greater symptom problems. The data is entered by the fifteenth of the first month following the quarter.

Performance Measure Formula: The BPRS data is screened to include only patient episodes having two BPRS scores. The discharge BPRS is subtracted from the admission BPRS. Changes of more than + 12 points are considered to be statistically significant.

Performance Measure Data Display and Chart Description:

Table shows the number and percent of improvement, no change and increase symptoms of discharged patients with two BPRS scores for individual state hospitals and system-wide.





Data Integrity Review Process:

Monitoring Method	Desk and Record Review of applicable BPRS data
Monitoring Instrument/Tool	BPRS Report (located in HMDS/bprs data public folder), CWS BPRS Score Change at Discharge and DIR Tally Sheet
Description of Review Process	Compare the BPRS dates and scores in the BPRS Reports to the CWS BPRS Assessment and/or the MHRS 3-1.2 for discharge patients with two BPRS scores.
Facility and DIR Sample Size	In a given quarter, a random sample of 30 from the BPRS Report.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When there is more than one incorrect date or score for the quarter reviewed.
DIR/HMDS Report	Summary of review including findings and data analysis

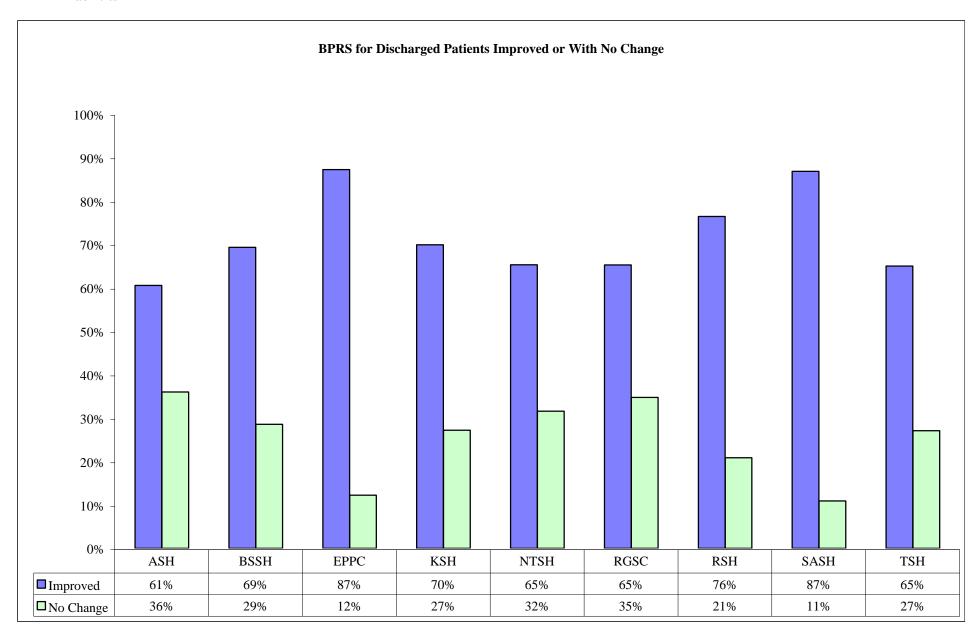
The Number and Percent of Discharged Patients with Two BPRS Scores - Q2 FY2005

Facility	Total	Improvement	%	No Change	%	Increase Symptoms	%
ASH	808	489	61%	291	36%	28	3%
BSSH	280	194	69%	80	29%	6	2%
EPPC	188	164	87%	23	12%	1	1%
KSH	103	72	70%	28	27%	3	3%
NTSH	513	335	65%	162	32%	16	3%
RGSC	141	92	65%	49	35%	0	0%
RSH	441	337	76%	92	21%	12	3%
SASH	569	494	87%	62	11%	13	2%
TSH	542	350	65%	147	27%	45	8%
Totals	3585	2527	71%	934	26%	124	3%

The Number and Percent of Discharged Patients with Two BPRS Scores - Q1 FY2005

Facility	Total	Improvement	%	No Change	%	Increase Symptoms	%
ASH	829	534	64%	274	33%	21	3%
BSSH	278	174	63%	97	34%	7	3%
ЕРРС	97	77	79%	19	20%	1	1%
KSH	159	125	79%	32	20%	2	1%
NTSH	482	302	63%	167	34%	13	3%
RGSC	156	97	62%	57	37%	2	1%
RSH	486	346	71%	128	27%	12	2%
SASH	569	480	84%	75	14%	14	2%
TSH	480	319	66%	109	23%	52	11%
Totals	3536	2454	69%	958	27%	124	4%

Measure 3A - Brief Psychiatric Rating Scale (BPRS) Scores All MH Facilities



Performance Measure 3B:

GAF: Improvement in patient treatment outcomes in state mental health facilities will be analyzed by showing:

- 1. The percent of patients receiving campus services whose GAF score increased.
- 2. The percent of patients receiving campus services whose GAF score stabilized.

<u>Performance Measure Operational Definition:</u> Total of persons with GAF score increased and stabilized. GAF data is collected during the patient's diagnostic examination at admission and again during the discharge evaluation.

Performance Measure Formula: R = (N/D)

R = rate of persons discharged whose GAF stabilized/increased by 10 or more points.

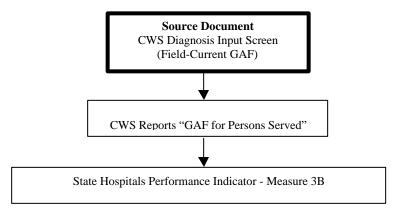
N = discharged patients with a difference of > 10 points between initial and discharge GAF scores.

D = number of discharges per month. (Persons who were discharged from the state hospital monthly and FY-to-date who had at least two GAF scores recorded during the episode. If there are not at least two GAF scores for the episode, the person is <u>not</u> counted in either the numerator or denominator for this report).

Performance Measure Data Display and Chart Description:

- Charts with monthly data points showing percent of persons discharged whose GAF scores stabilized/increased by 10 or more points.
- ♦ Chart with FYTD percent of persons discharged with specific GAF scores.
- ♦ Chart with FYTD percent of persons discharged whose GAF score stabilized/increased by 10 or more points.

Data Flow:

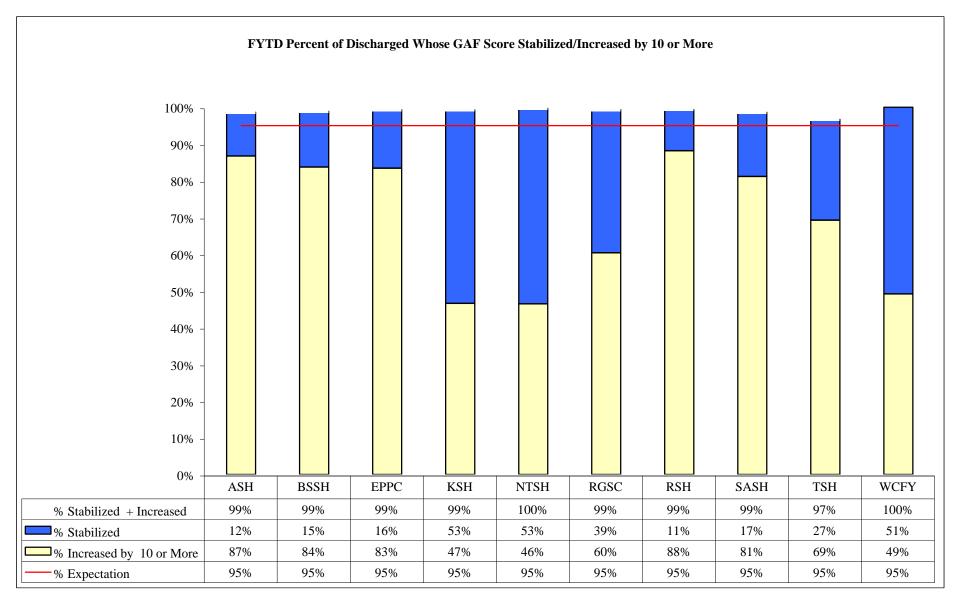


Data Integrity Review Process:

Monitoring Method	Medical record review for GAF scores recorded in psychiatric evaluation and discharge summary/ note (found in CWS Site Specific Diagnosis Report)
Monitoring Instrument/Tool	Care Report HC022830 and DIR Tally Sheet
Description of Review Process	Verification by reviewing patient admission/discharge GAF scores of closed records. (found in CWS Site Specific Diagnosis Report)
Sample Size	Review of 30 randomly selected closed records for the most recent FY Quarter
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When there is more than one incorrect or missing GAF score missing during the quarter reviewed.
DIR/HMDS Report	Summary of review including data accuracy, findings and data analysis.

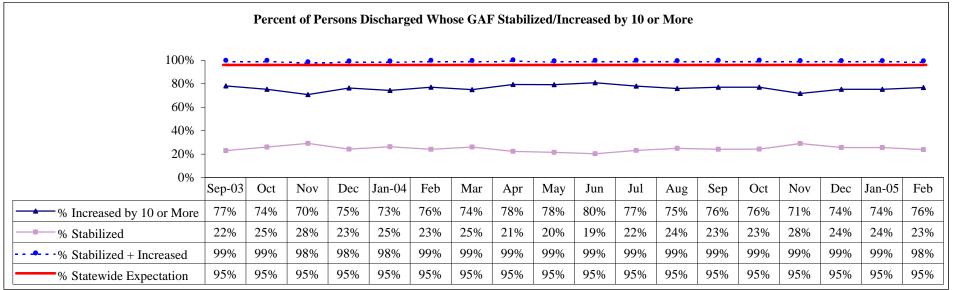
Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized All MH Facilities - As of February 28, 2005

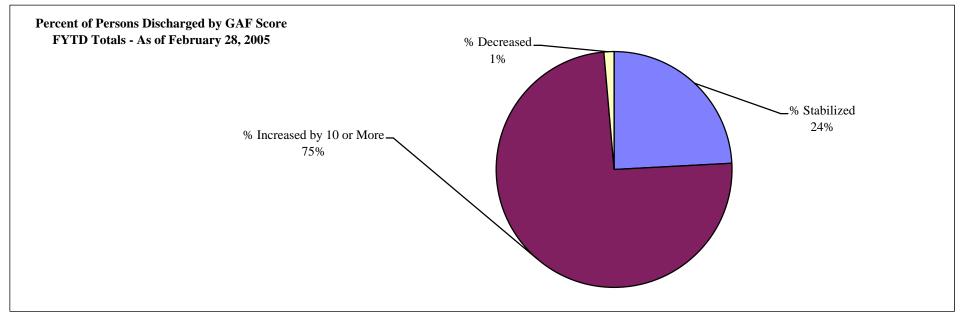
Chart: Hospital Management Data Services



Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

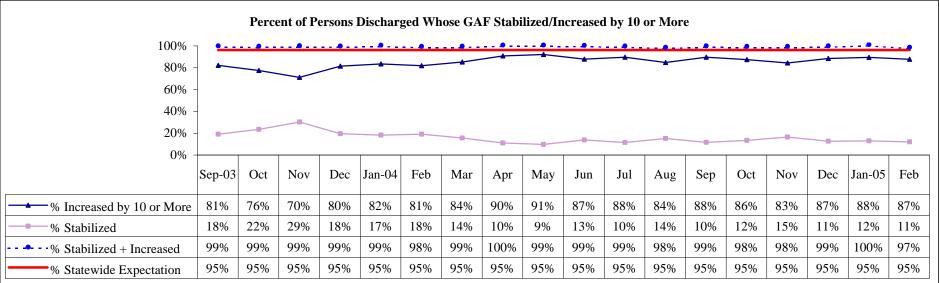
All MH Facilities

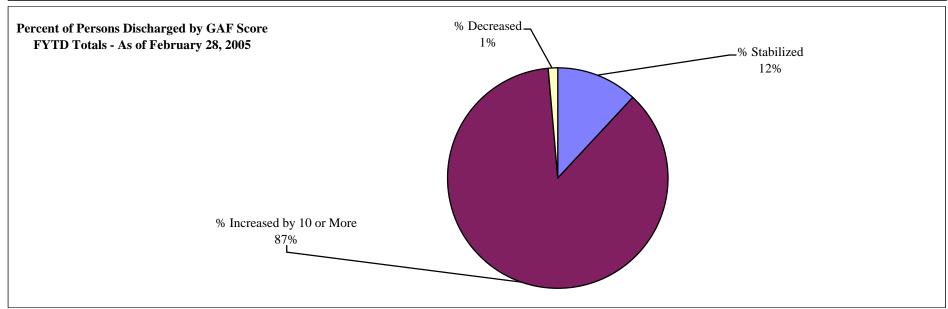




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

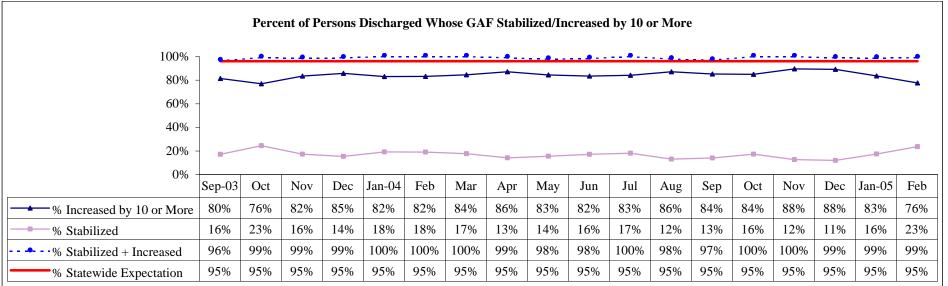
Austin State Hospital

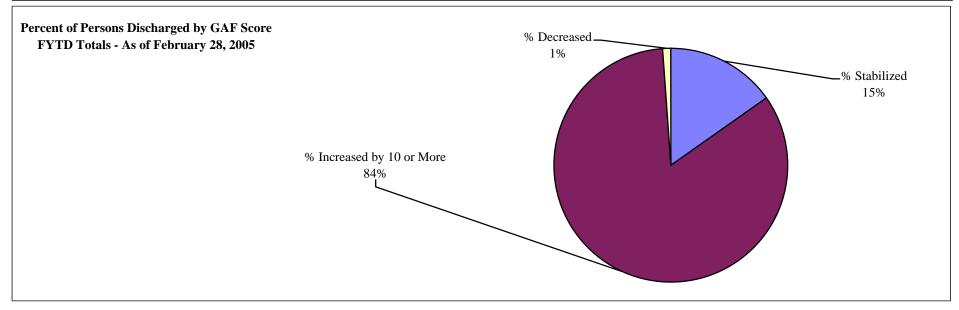




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

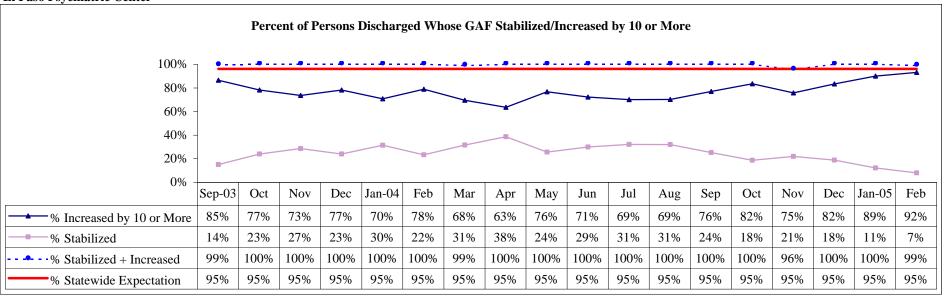
Big Spring State Hospital

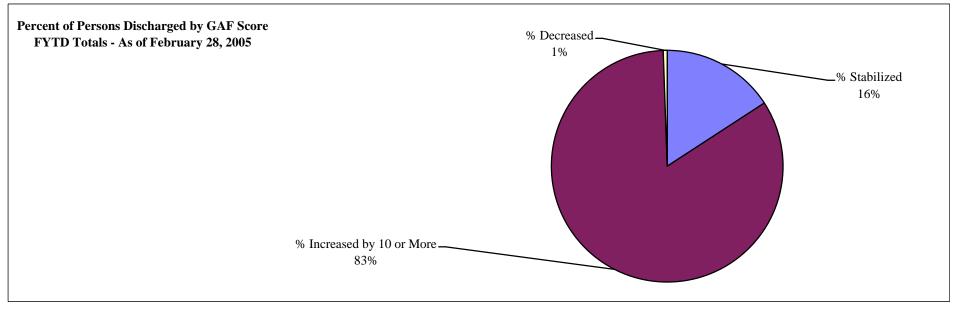




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

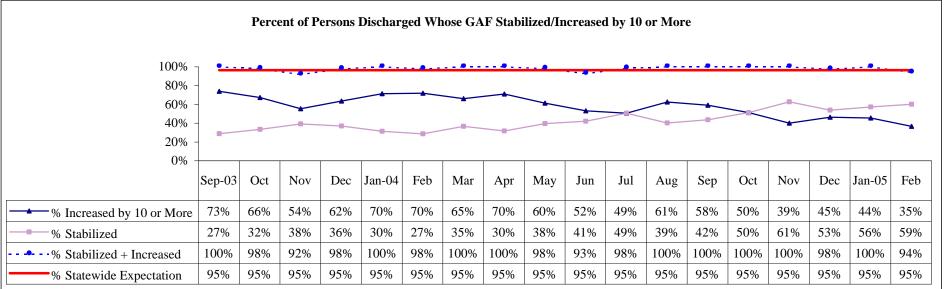
El Paso Psychiatric Center

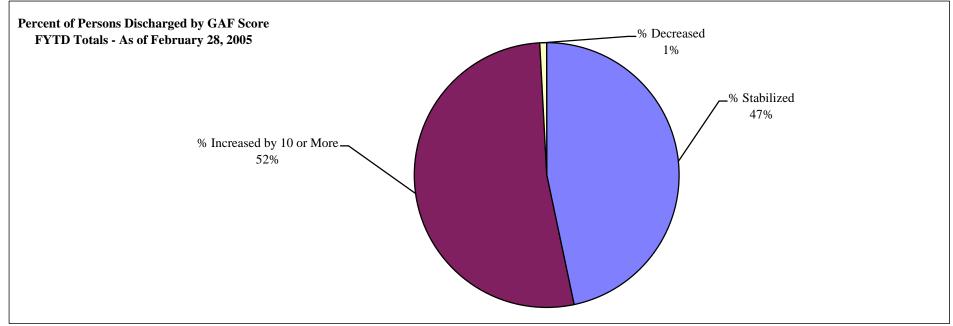




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

Kerrville State Hospital

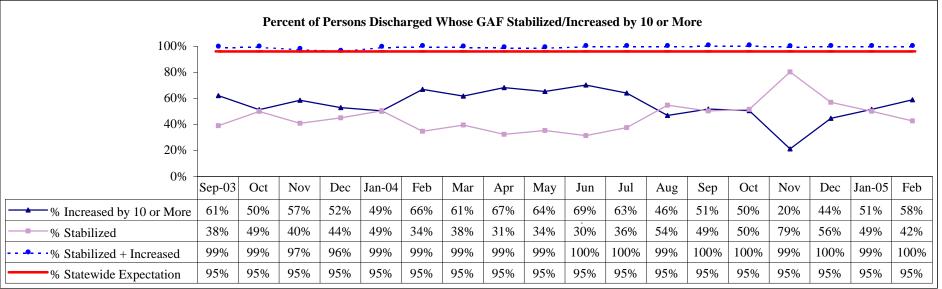


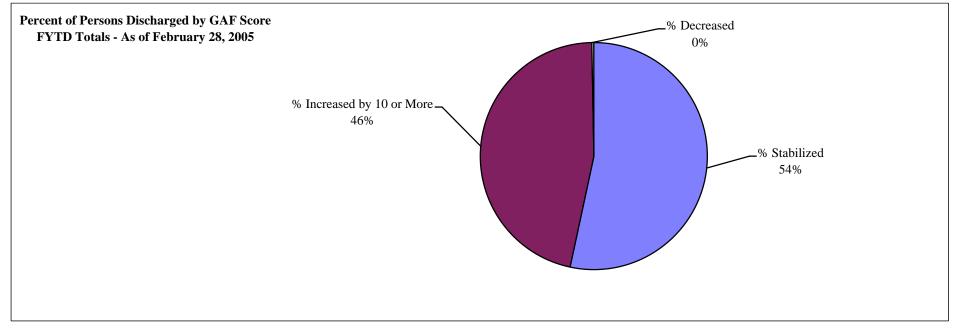


Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

North Texas State Hospital

Chart: Hospital Management Data Services

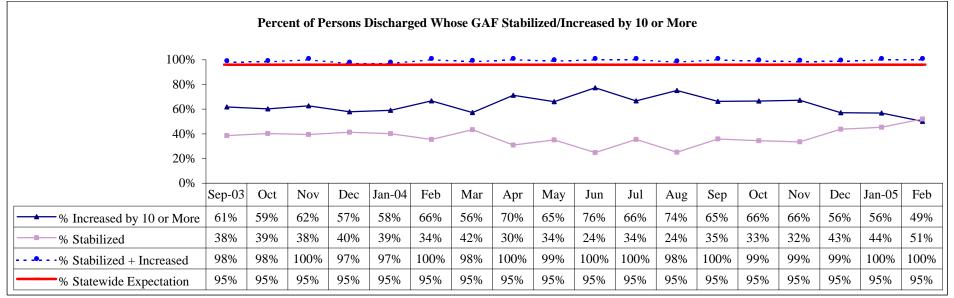


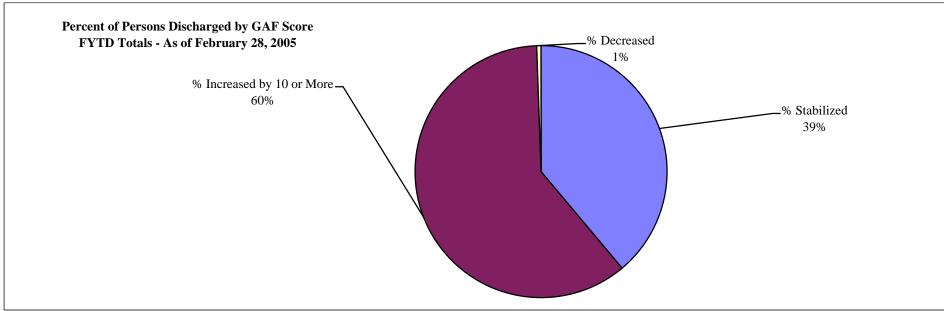


Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

Rio Grande State Center

Chart: Hospital Management Data Services

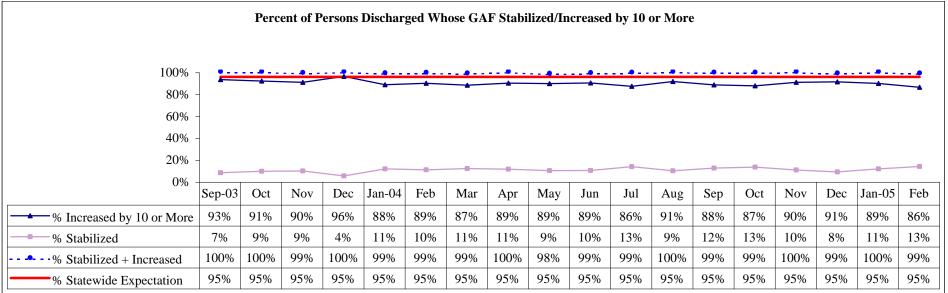


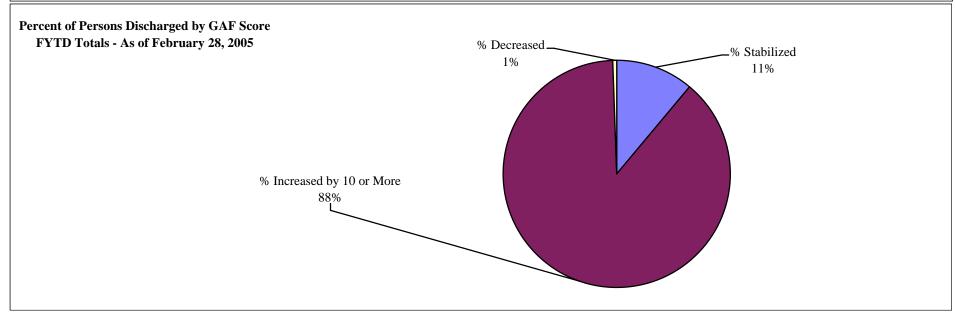


Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

Rusk State Hospital

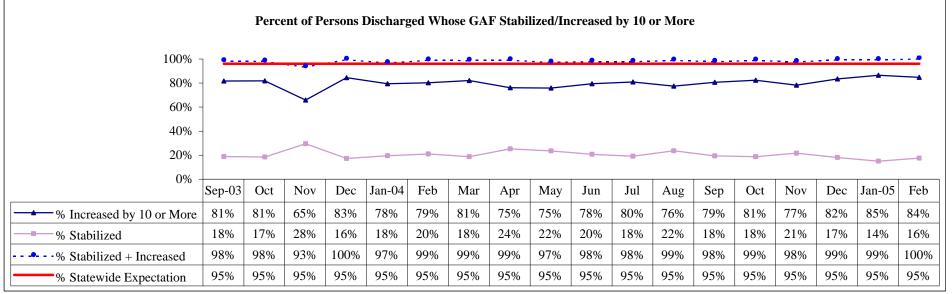
Chart: Hospital Management Data Services

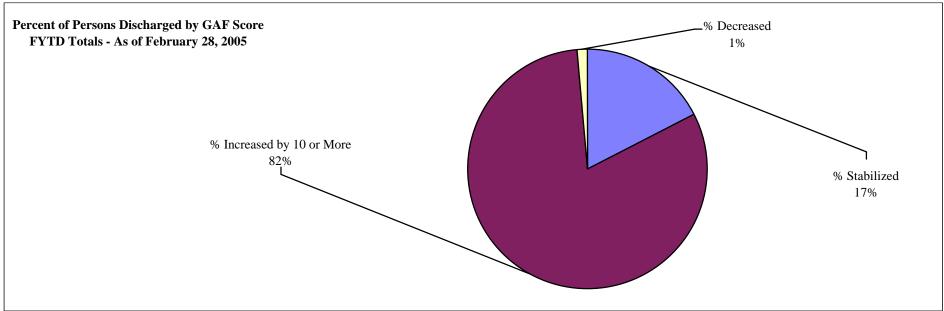




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

San Antonio State Hospital

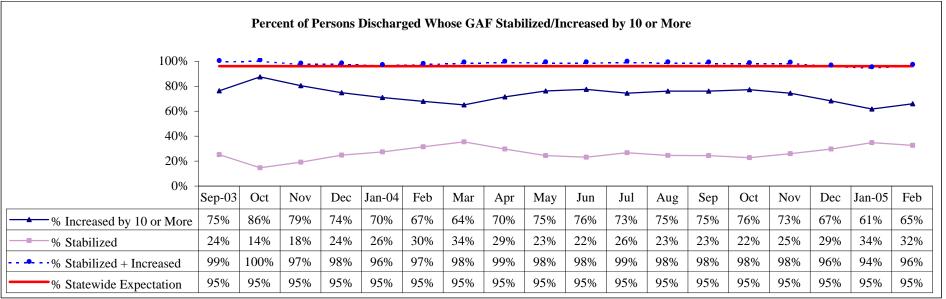


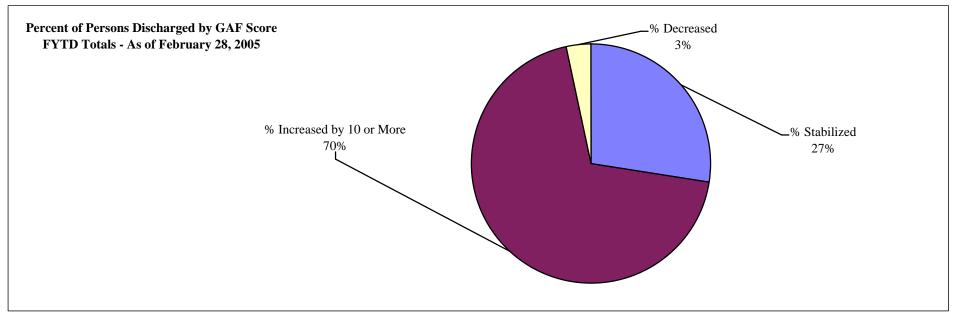


Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

Terrell State Hospital

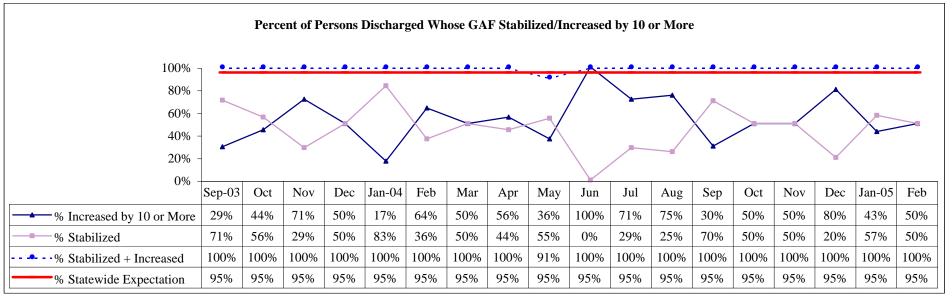
Chart: Hospital Management Data Services

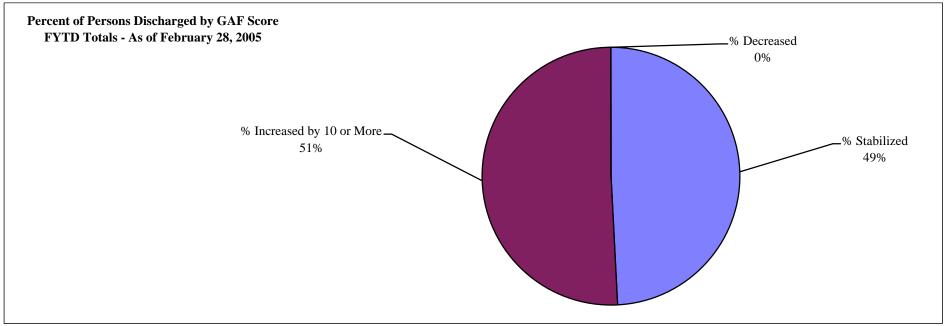




Measure 3B - Percent of Discharged Whose GAF Score Increased by 10 or More Percent of Discharged Whose GAF Score Stabilized

Waco Center for Youth





GOAL 4: Implement an Effective and Safe Medication Management System That Improves the Quality of Care, Treatment, and Services.

Performance Measure 4A:

The number of patients receiving new generation atypical antipsychotic medication will be tracked and analyzed quarterly.

<u>Performance Measure Operational Definition:</u> The facility count of patients who receive new generation medications (risperidone, clozapine, olanzapine, quetiapine, ziprasidone and aripiprazole).

Performance Measure Formula: R = (N/D)

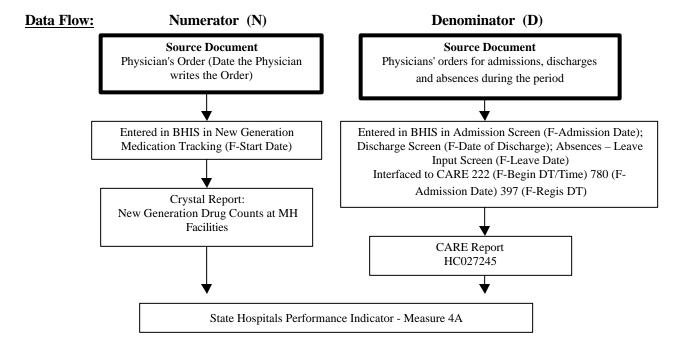
R = rate of persons served receiving new generation medications per FY month

N = patients receiving new generation medications

D = unduplicated person's receiving mental health services

Performance Measure Data Display and Chart Description:

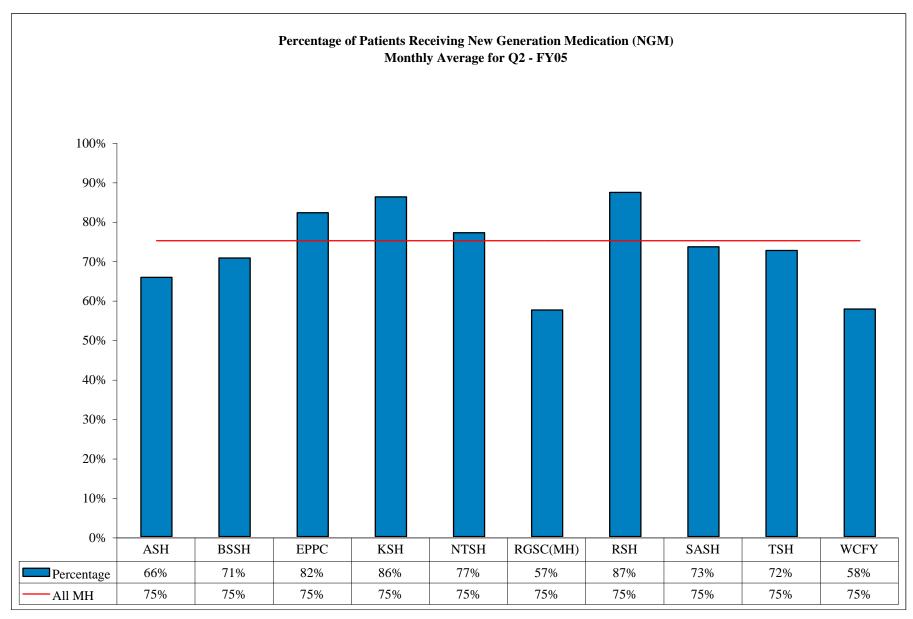
- ♦ Chart of quarterly percentage of patients receiving new generation medication for individual state hospitals and system-wide.
- ♦ Chart with monthly data points of number of patients receiving new generation medication for individual state hospitals and system-wide.
- Chart with monthly data points of percentage of patients receiving new generation medication for individual state hospitals and system-wide.



Data Integrity Review Process:

Monitoring Method	Review of physician's orders for a new generation medication that has been ordered by the physician during the review period.
Monitoring Instrument/Tool	Physician orders and DIR Tally Sheet
Description of Review Process	Verification by reviewing physician orders for "new generation" medications prescribed for patients on the CWS crystal report "New Generation Medications" covering the review period.
Sample Size	Review of 30 randomly selected closed records for a selected FY Quarter
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When there are any new generation medications ordered but not found on the crystal report during the quarter reviewed.
DIR/HMDS Report	Summary of review including data accuracy, findings and data analysis.

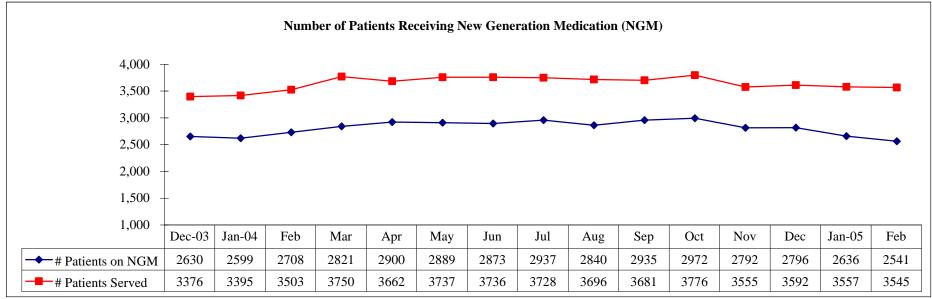
Measure 4A - Patients Receiving New Generation Medication (NGM) All MH Facilities

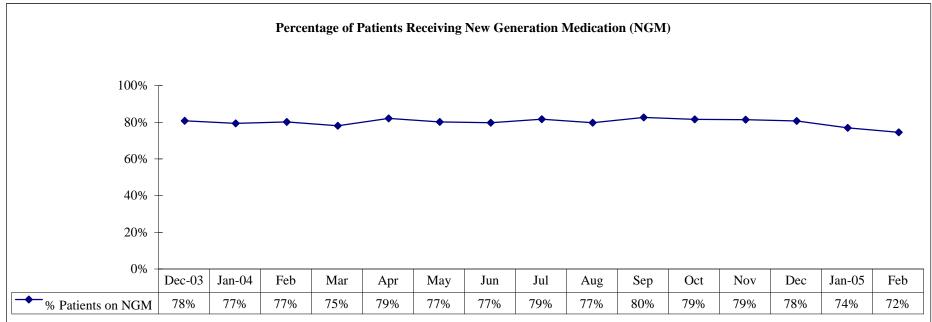


Source: New Generation Drug Counts (BHIS Report); Counts of Persons Receiving MH Services (HC027245)

Measure 4A - Patients Receiving New Generation Medication (NGM)

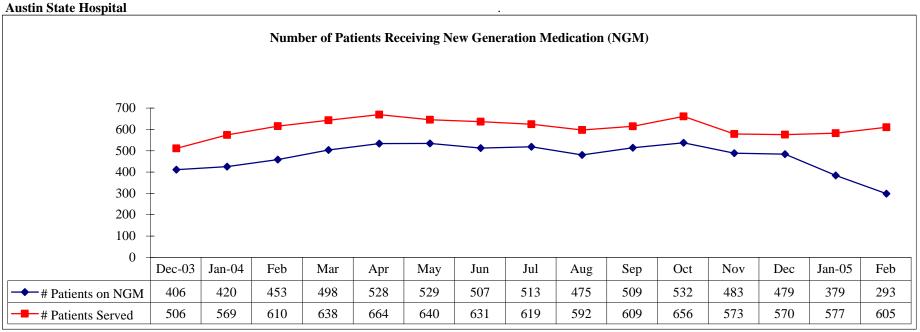
All MH Facilities

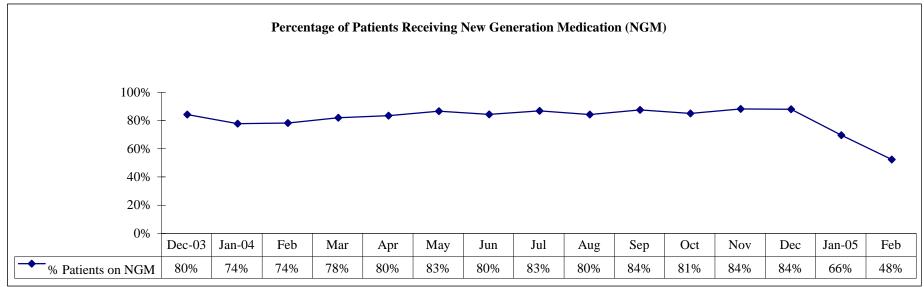




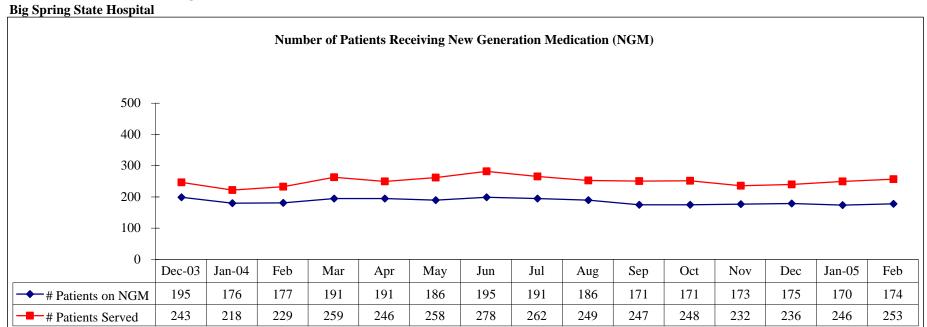
Source: New Generation Drug Counts (BHIS Report); Counts of Persons Receiving MH Services (HC027245)

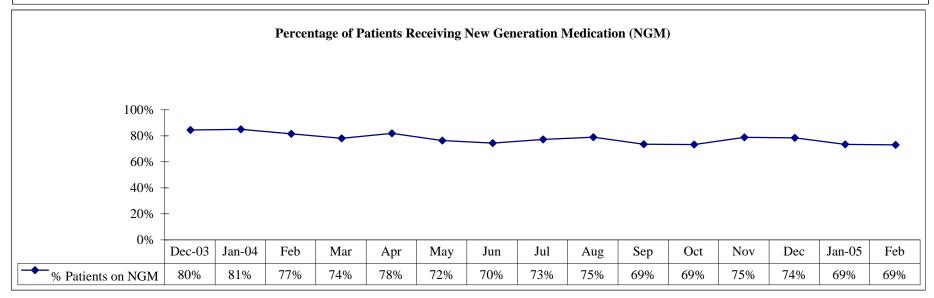
Measure 4A - Patients Receiving New Generation Medication (NGM)





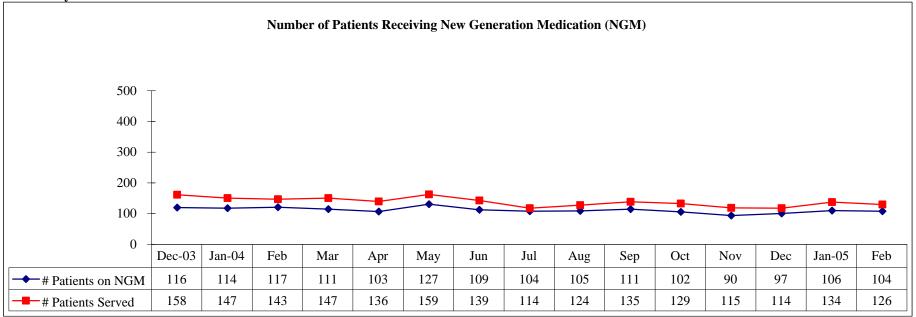
Measure 4A - Patients Receiving New Generation Medication (NGM)

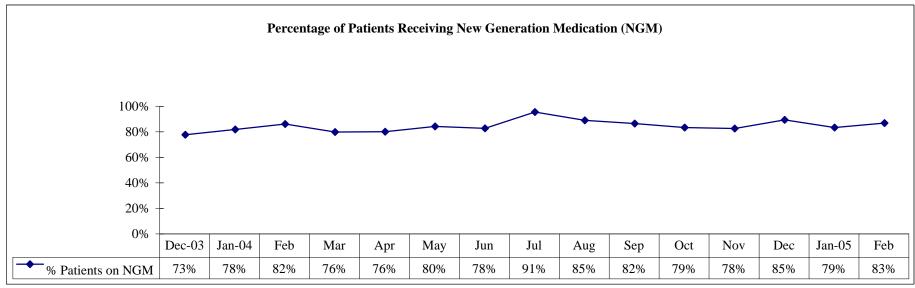




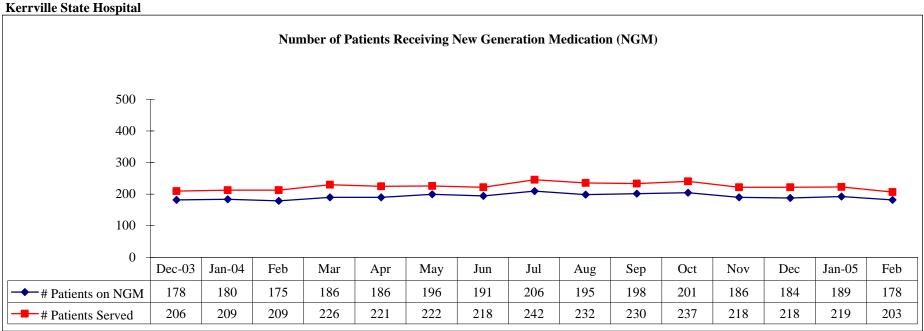
Measure 4A - Patients Receiving New Generation Medication (NGM)

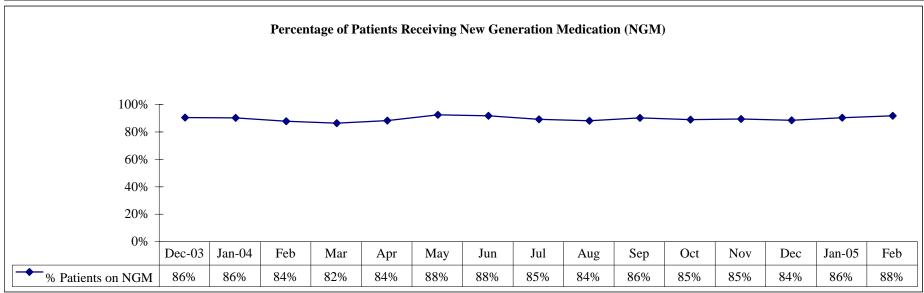
El Paso Psychiatric Center



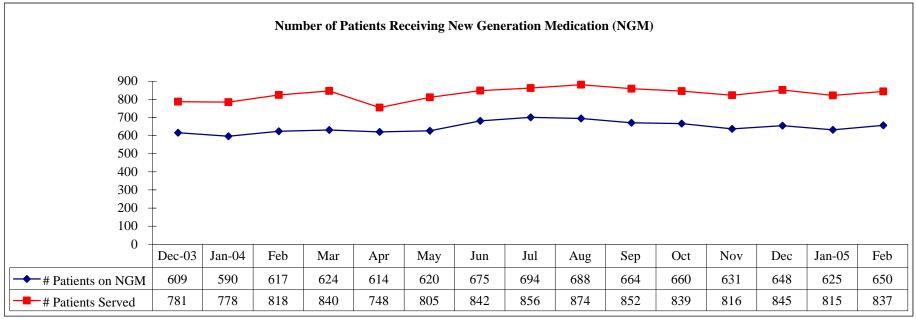


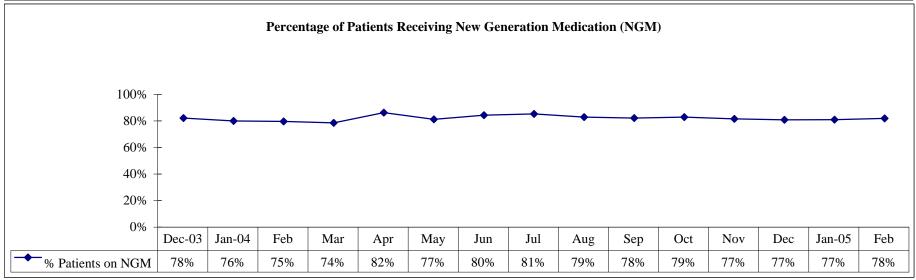
 $Measure \ 4A \ - \ Patients \ Receiving \ New \ Generation \ Medication \ (NGM)$



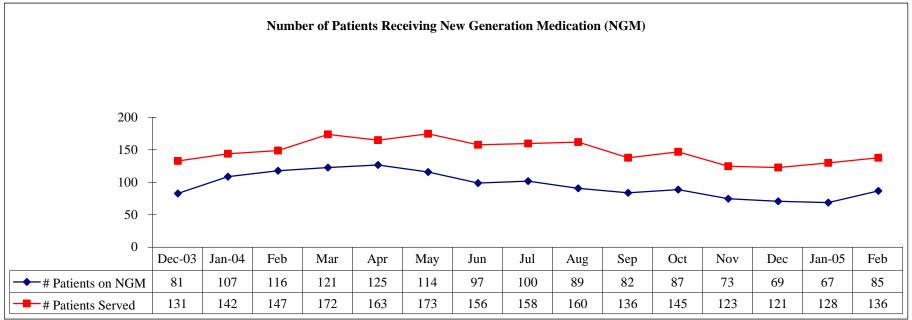


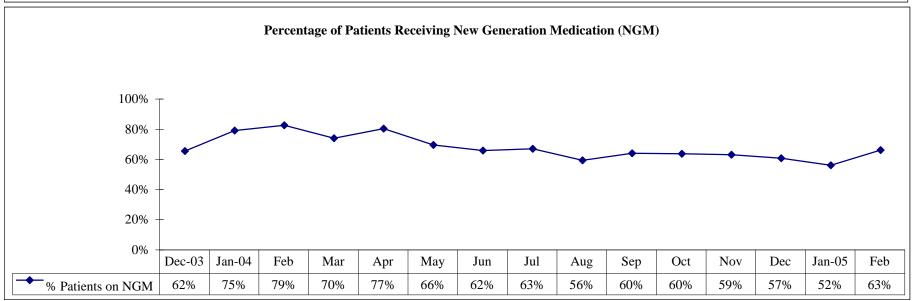
Measure 4A - Patients Receiving New Generation Medication (NGM) North Texas State Hospital



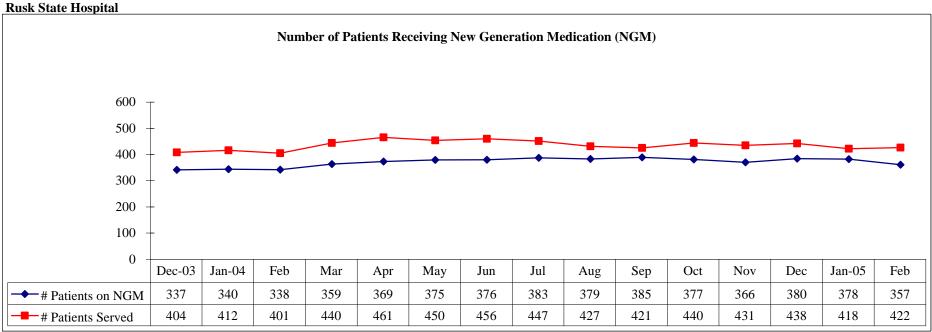


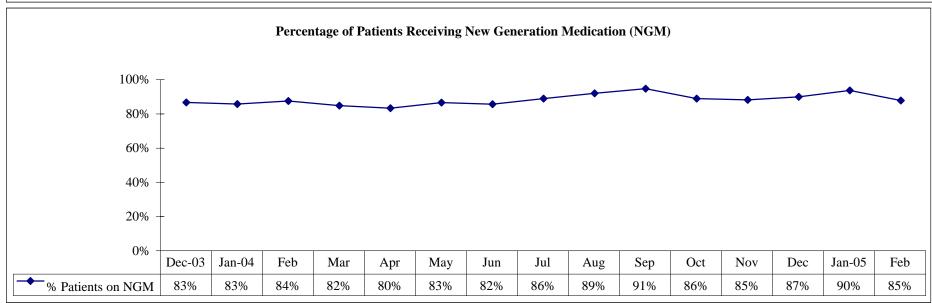
Measure 4A - Patients Receiving New Generation Medication (NGM) Rio Grande State Center



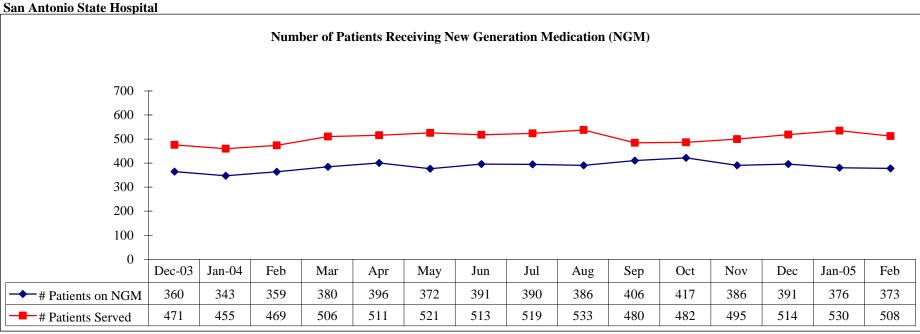


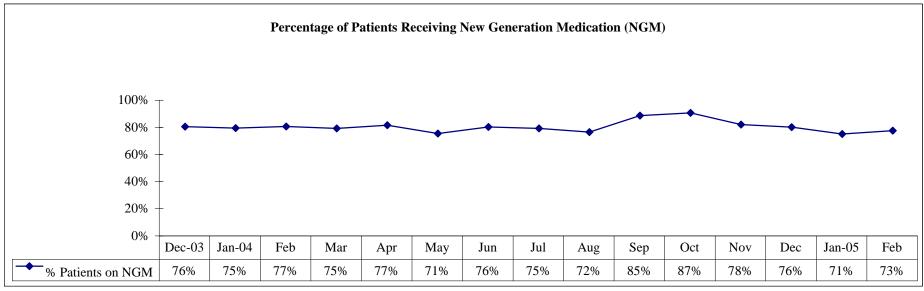
Measure 4A - Patients Receiving New Generation Medication (NGM)





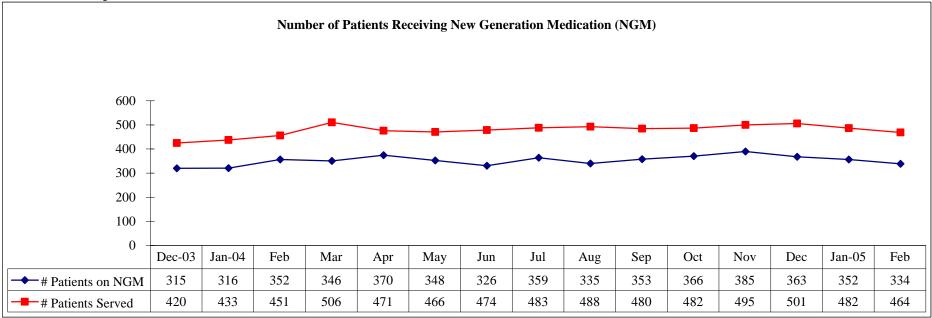
Measure 4A - Patients Receiving New Generation Medication (NGM)

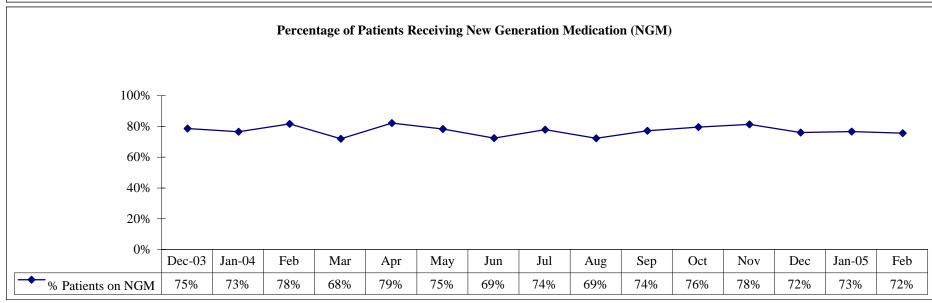




Measure 4A - Patients Receiving New Generation Medication (NGM)

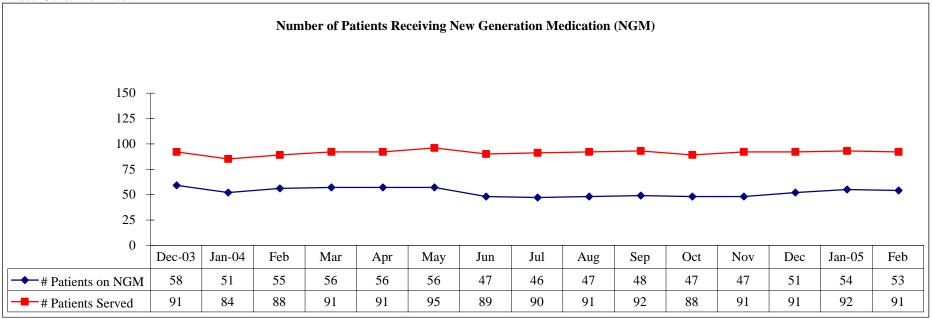
Terrell State Hospital

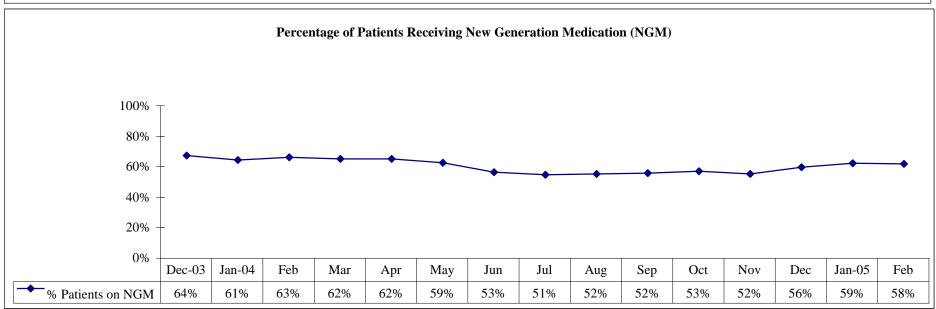




Measure 4A - Patients Receiving New Generation Medication (NGM)







Performance Measure 4B:

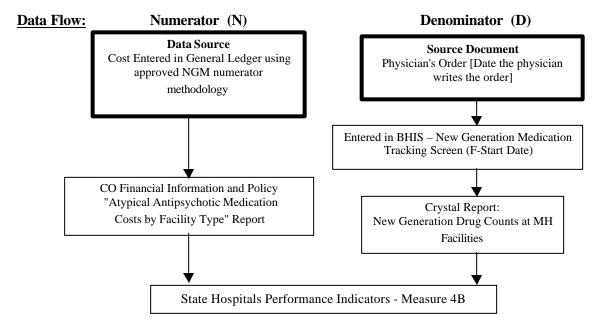
The cost of new generation antipsychotic medication will be tracked and analyzed quarterly.

<u>Performance Measure Operational Definition:</u> The state hospitals average monthly cost for new generation medications (risperidone, clozapine, olanzapine, quetiapine, ziprasidone and aripiprazole) per patient.

Performance Measure Formula: Average Cost Per Patient Receiving NGM = NGM Cost / Number of Unique Patients Taking NGM. Formula to calculate NGM numerator equals: beginning NGM balance, plus current monthly NGM purchases/receipts, minus NGM ending balance equals NGM drug issues (costs). The source is Pharmakon. Note: State hospitals that are exempted from this formula are SASH, KSH and EPPC. SASH and KSH will track individual patients for NGM cost and EPPC will use their own pharmacy system rather than Pharmakon.

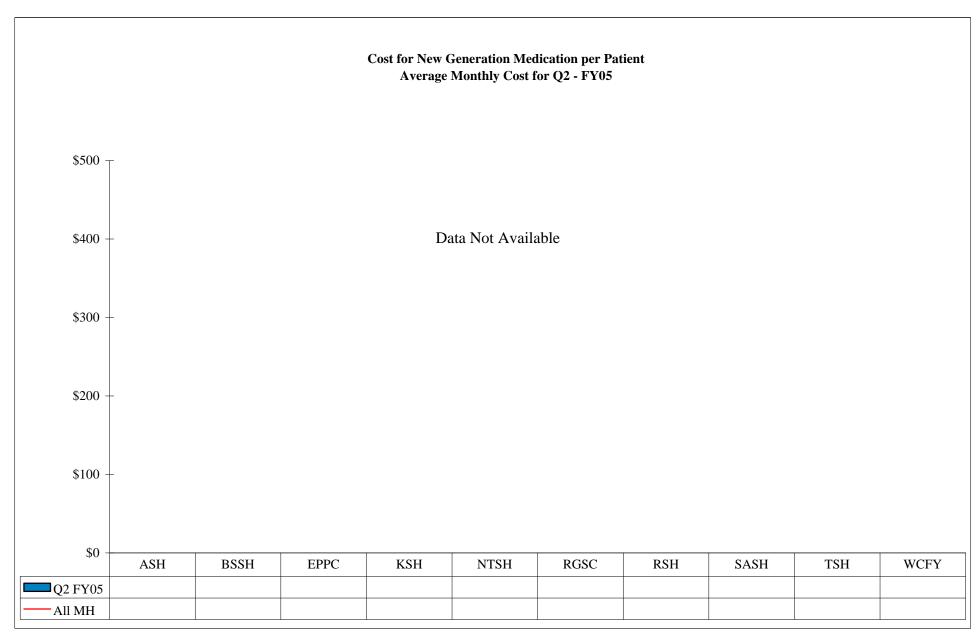
Performance Measure Data Display and Chart Description:

Chart with monthly data points of average cost of new generation medication per patient for individual state hospitals and system-wide.



Data Integrity Review Process: N/A

Measure 4B - Average Cost Per Patient Receiving New Generation Medication All MH Facilities



Performance Measure 4C:

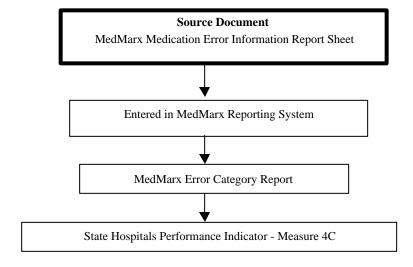
Medication errors will be tracked and analyzed quarterly.

<u>Performance Objective Operational Definition:</u> The number of facility medication errors as documented on the MedMarx Medication Error Information Report form per month. The MedMarx Software will be utilized until the state hospitals decide on a new system for reporting medication errors.

Performance Objective Data Display and Chart Description:

- ♦ Chart with the number of medication errors causing no patient harm; causing patient harm; and causing patient death for individual state hospitals and system-wide
- ♦ Chart with the number of medication errors YTD, in each category for individual state hospitals and system-wide.
- Chart with monthly data points, for the total number of variances for individual state hospitals and system-wide.

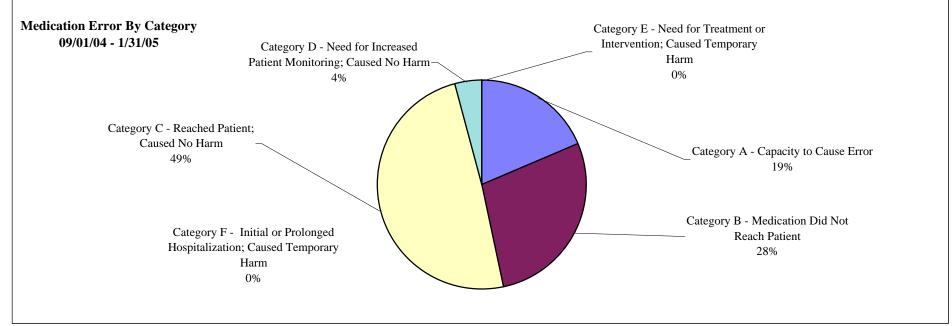


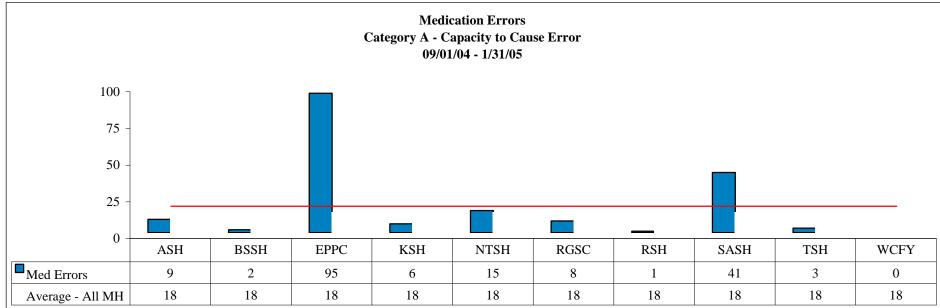


Data Integrity Review Process:

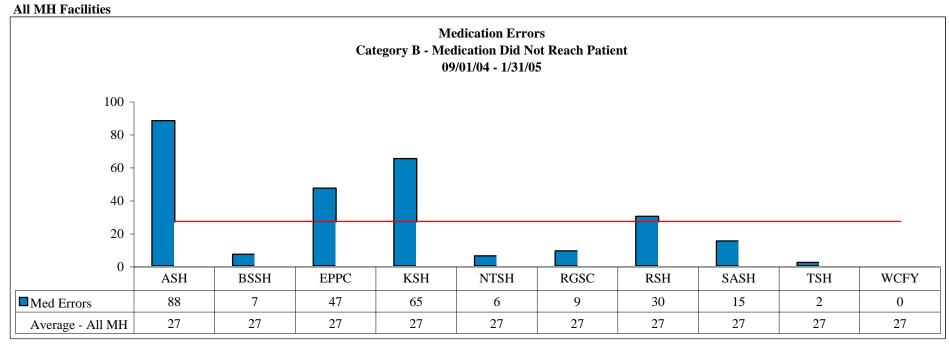
Monitoring Method	Desk Review
Monitoring Instrument	MedMarx Error Category Report, Facility Medication Error Information Report Sheets.
Description of Review Process	Verification by comparing the Facility Medication Error Information Report Sheet to the MedMarx Error Category Report for 100% of the med errors that occurred in the most recent reporting period. To ensure total errors and errors by category match.
Facility/EVT Sample Size	100% Medication errors reported at the facility in the most recent month per report.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When there is less than 1.00 correlation or match between the number of med errors recorded on the Facility Medication Error Information Report Sheets as compared to the MedMarx Error Category Report for the specified review period for both total errors and errors by category.
DRI/EVT Report	Summary of percent accuracy findings.

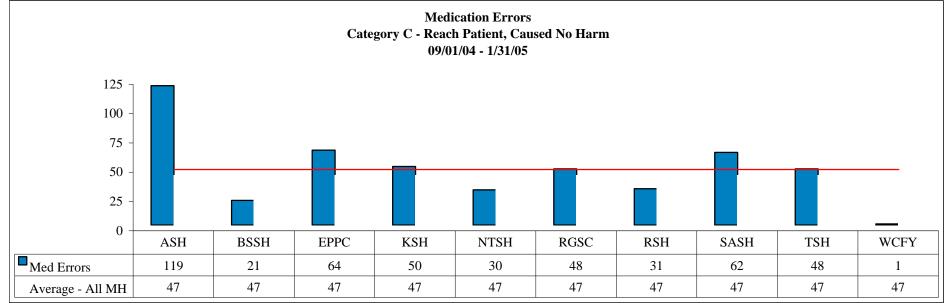
Measure 4C - Medication Variance Data All MH Facilities





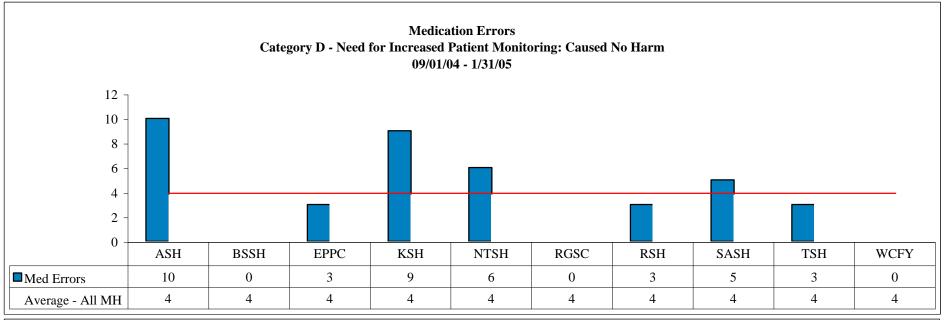
 $\label{eq:Measure 4C - Medication Variance Data} \end{substitute} \begin{substitute} \b$

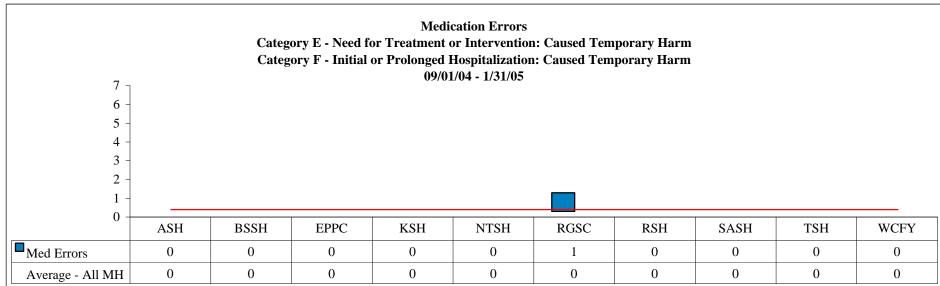




Measure 4C - Medication Variance Data

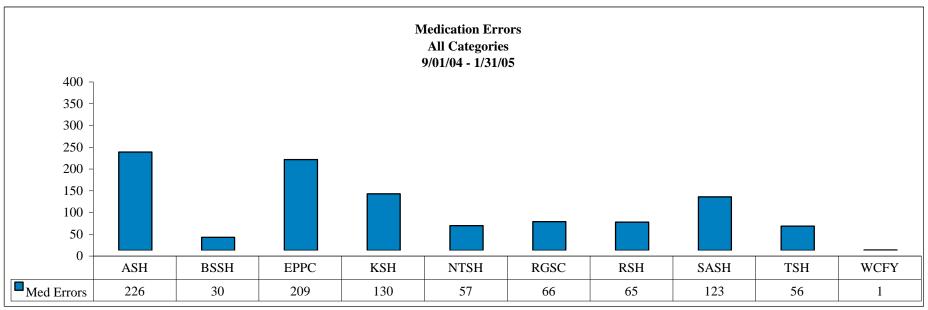




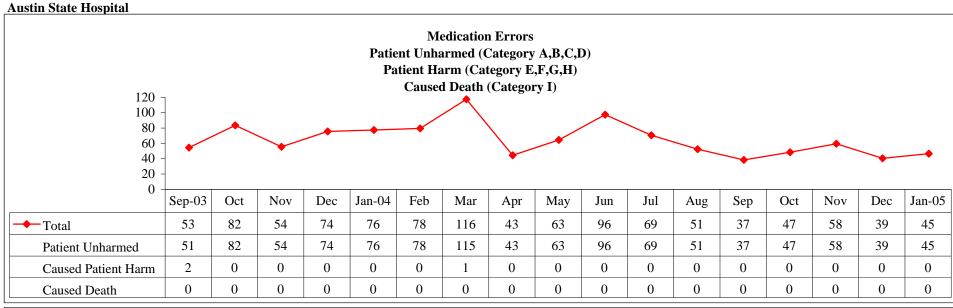


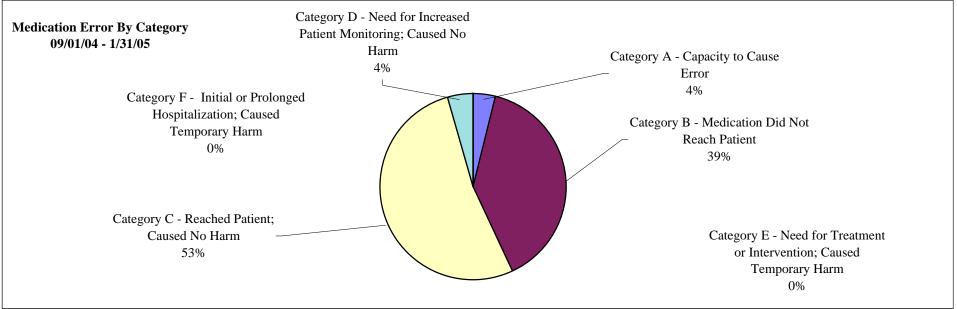
Measure 4C - Medication Variance Data

All MH Facilities																	
Medication Errors																	
450 - 400 - 350 - 300 - 250 - 200 - 150 - 100 - 50 -	•				•		^	•	•	•	•	•	•	•	•	•	•
0 -	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05
→ Total	280	289	234	215	254	238	330	219	221	255	239	206	180	201	187	216	179
Patient Unharmed	276	288	234	215	254	238	328	219	221	255	238	204	180	200	187	216	179
Caused Patient Harm	4	1	0	0	0	0	2	0	0	0	1	2	0	1	0	0	0
Caused Death	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

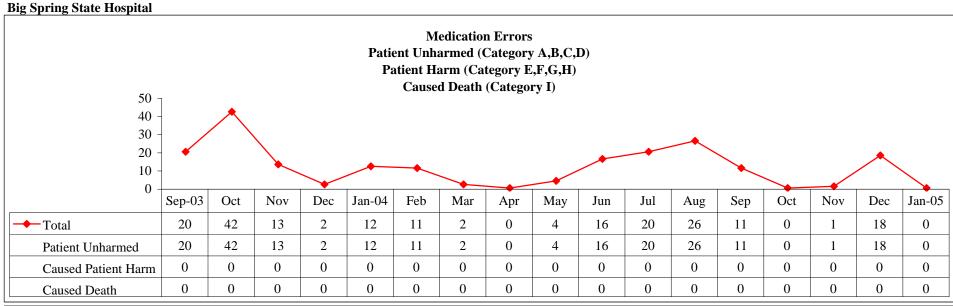


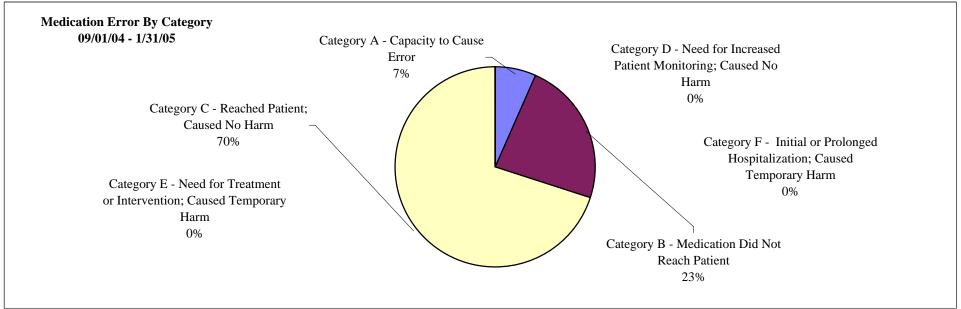
Measure 4C - Medication Variance Data



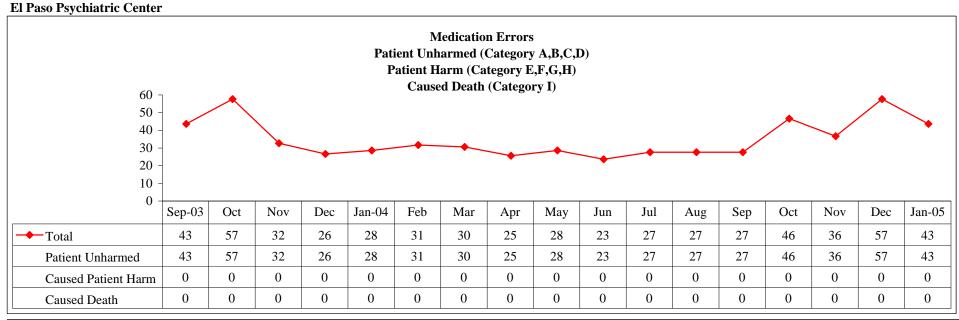


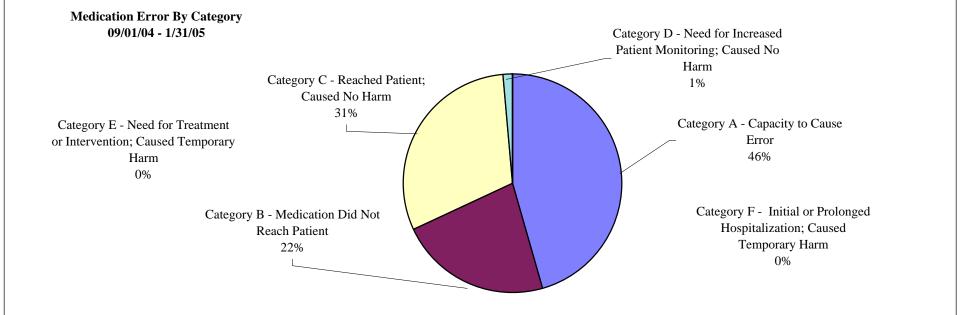
Measure 4C - Medication Variance Data



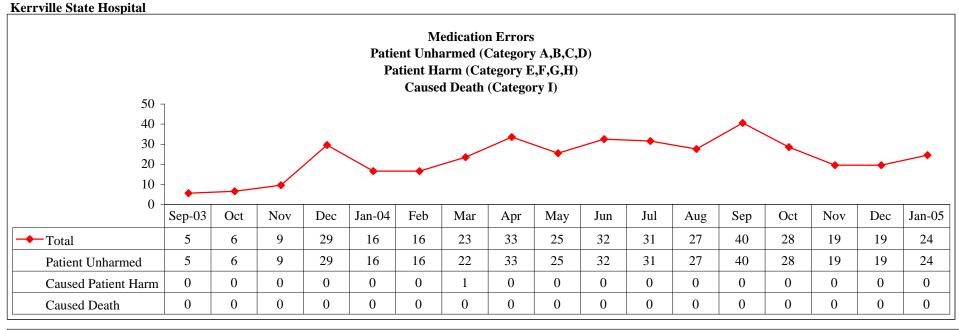


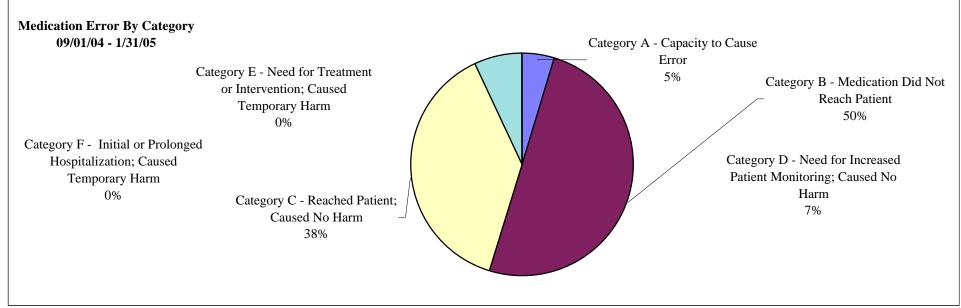
Measure 4C - Medication Variance Data





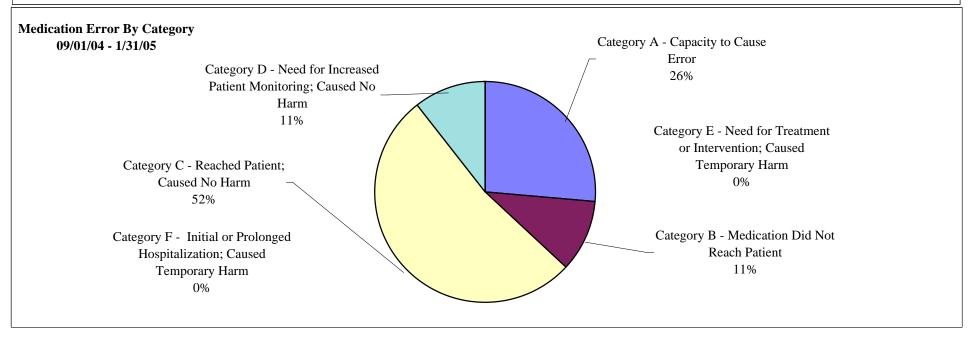
Measure 4C - Medication Variance Data





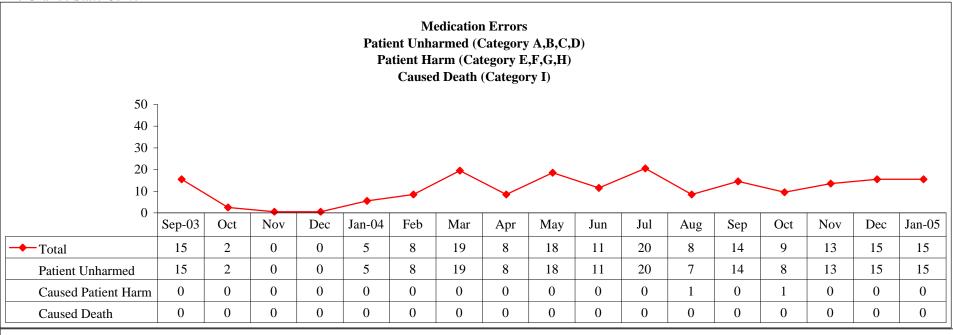
Measure 4C - Medication Variance Data North Texas State Hospital

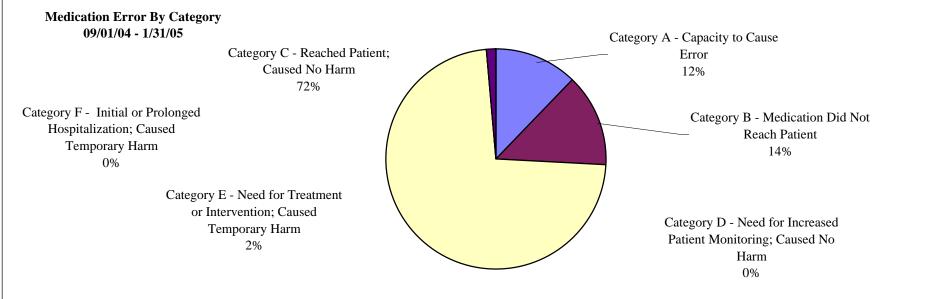
50 -	Caused Beath (Category 1)																
40 - 30 - 20 - 10 - 0 -	20 - 10 -														•		
0 -	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05
→ Total	31	10	23	7	22	36	43	20	14	9	7	13	12	9	11	14	11
Patient Unharmed	30	10	23	7	22	36	43	20	14	9	7	13	12	9	11	14	11
Caused Patient Harm	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caused Death	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



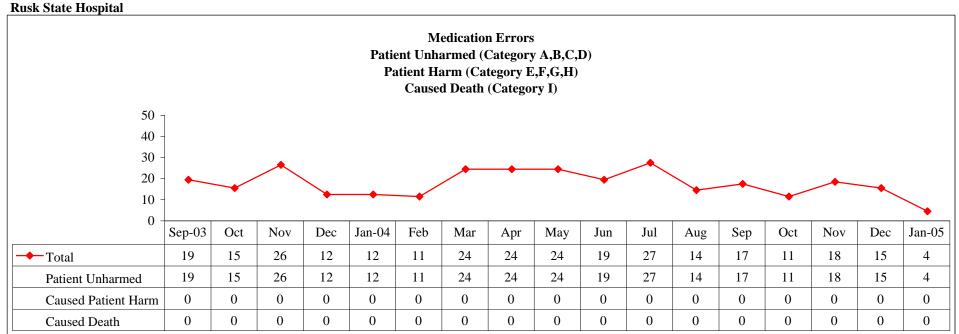
Measure 4C - Medication Variance Data

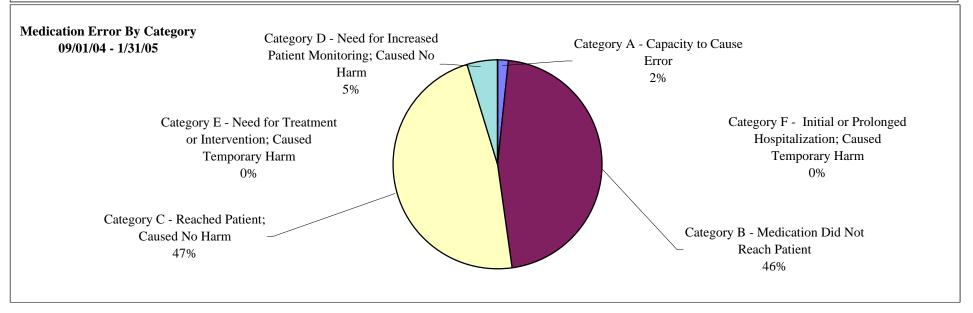




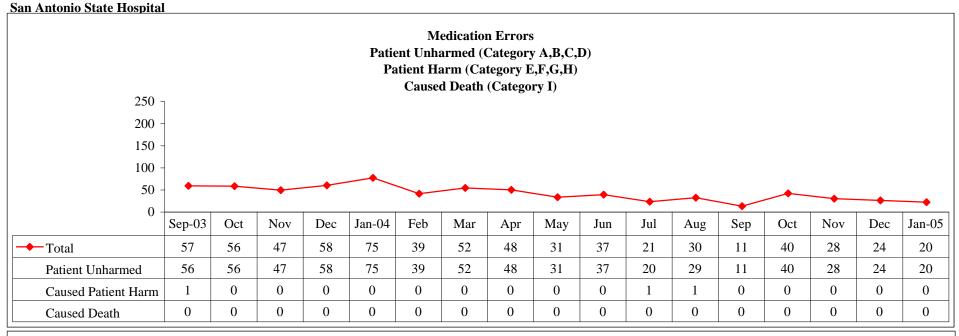


Measure 4C - Medication Variance Data





Measure 4C - Medication Variance Data



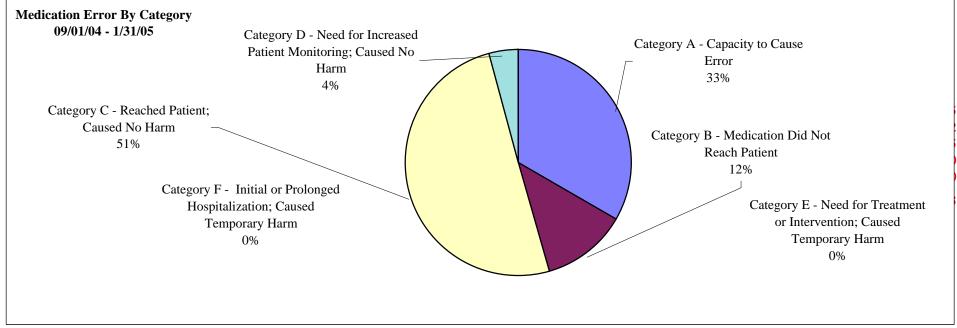
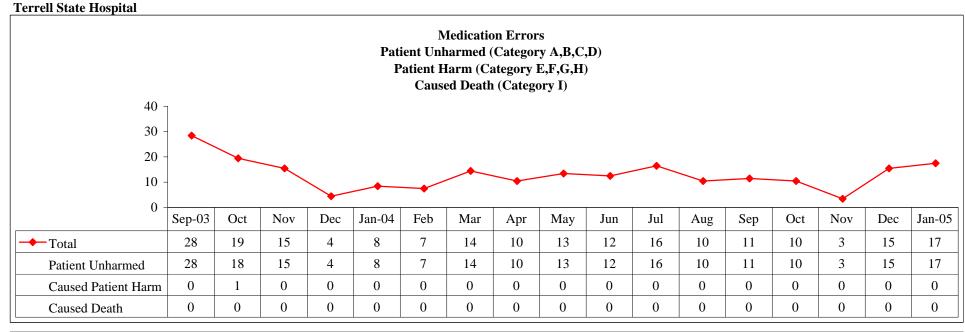
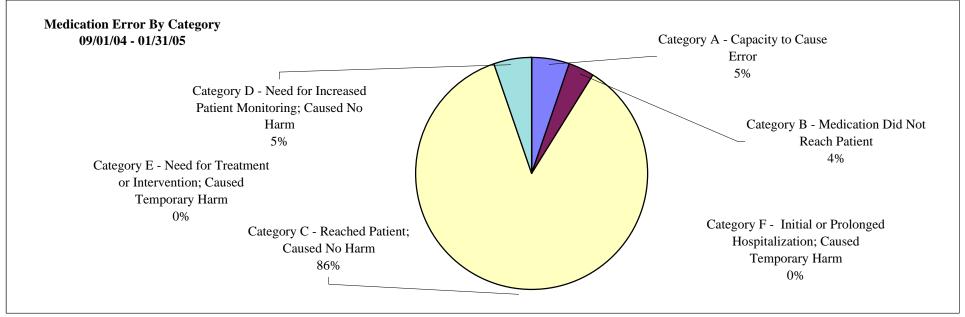


Chart: Hospital Management Data Services

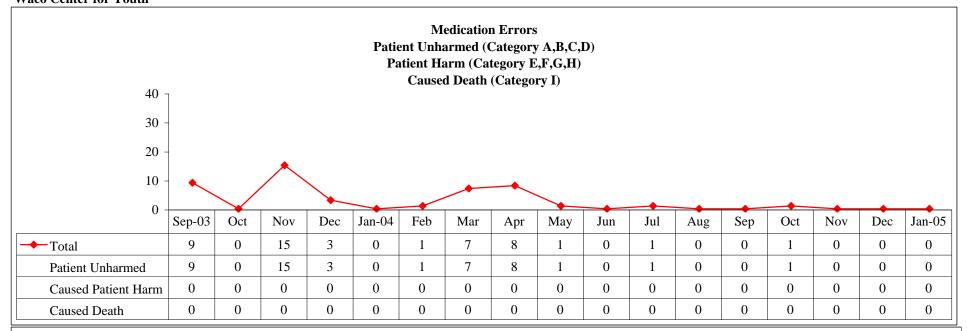
Source: MedMarx Reporting System

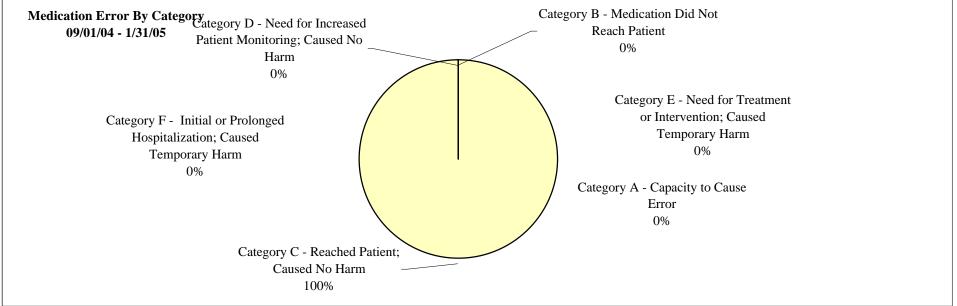
Measure 4C - Medication Variance Data





Measure 4C - Medication Variance Data Waco Center for Youth





GOAL 5: Assure Continuum of Care

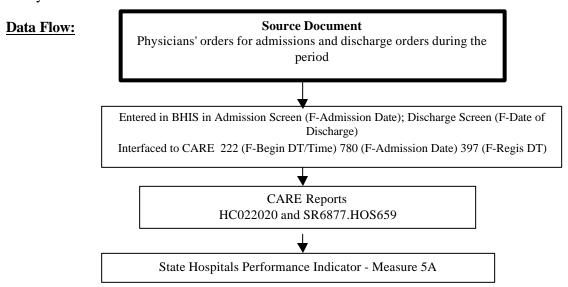
Performance Measure 5A:

Number and type of admissions, discharges, and readmissions will be calculated and reported for each state hospital on a quarterly basis.

<u>Performance Measure Operational Definition:</u> The state hospital number of admissions and discharges to the same SMHF per mandated FYTD as calculated by CARE using data daily entered by each state hospital. The readmission rate is calculated by CARE using readmission to <u>any</u> SMHF.

Performance Measure Data Display and Chart Description:

- ♦ Chart with monthly data points of total admissions, discharges and percent of readmissions for individual state hospitals and system-wide.
- ♦ Chart with monthly data points of total year-to-date admissions and discharges for individual state hospitals and system-wide.
- ◆ Table shows total admissions (voluntary, involuntary [OPC, Emergency, Temporary, Extended, 46.02/03 and Other]), discharge and percent of readmissions per month for individual state hospitals and system-wide.

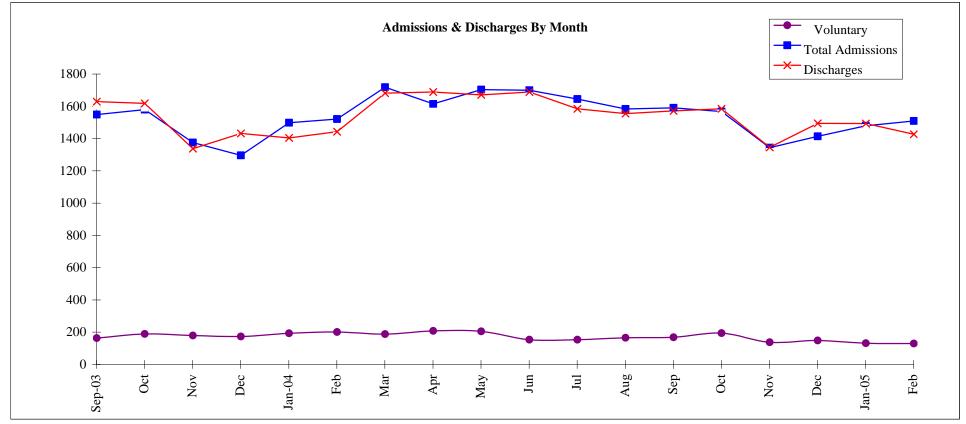


Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave
	event start/stop dates as compared to the corresponding information in the medical record.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS
	quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement	When any admission/discharge dates and/or events found on the most recent NRI PMS
Trigger	quarterly report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including data accuracy, findings and data analysis.

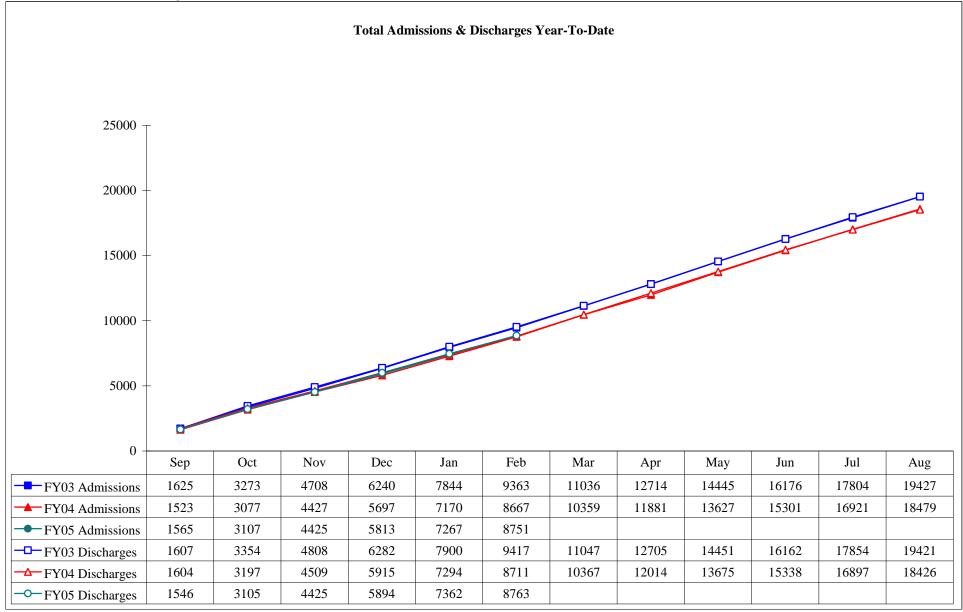
Measure 5A - Number/Type of Admissions and Readmissions All MH Facilities Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	1523	1554	1350	1270	1473	1496	1693	1590	1678	1674	1620	1558	1565	1542	1318	1388	1454	1484
Voluntary	138	164	154	148	168	176	163	182	180	128	128	140	143	169	112	123	106	104
Involuntary	1385	1390	1196	1122	1305	1320	1530	1408	1498	1546	1492	1417	1422	1373	1206	1265	1348	1380
OPC	285	301	246	239	303	308	346	356	360	351	372	359	363	305	318	313	325	297
Emergency	756	730	665	636	752	732	814	726	837	807	791	713	712	759	573	613	690	704
Temporary	187	203	155	140	161	147	218	194	185	215	172	185	182	153	170	178	171	186
Extended	8	16	8	9	4	7	2	8	2	4	7	5	7	12	3	11	5	19
46.02/46.03	129	122	105	88	71	103	125	107	96	153	124	135	131	130	124	142	143	151
Order for MR Svo	20	18	17	10	14	23	25	17	18	16	26	20	27	14	18	8	14	23
Discharges	1604	1593	1312	1406	1379	1417	1656	1663	1645	1663	1559	1529	1546	1559	1320	1469	1468	1401
% of Readmissions	58%	56%	57%	56%	58%	57%	57%	56%	54%	57%	56%	57%	56%	54%	56%	55%	56%	58%



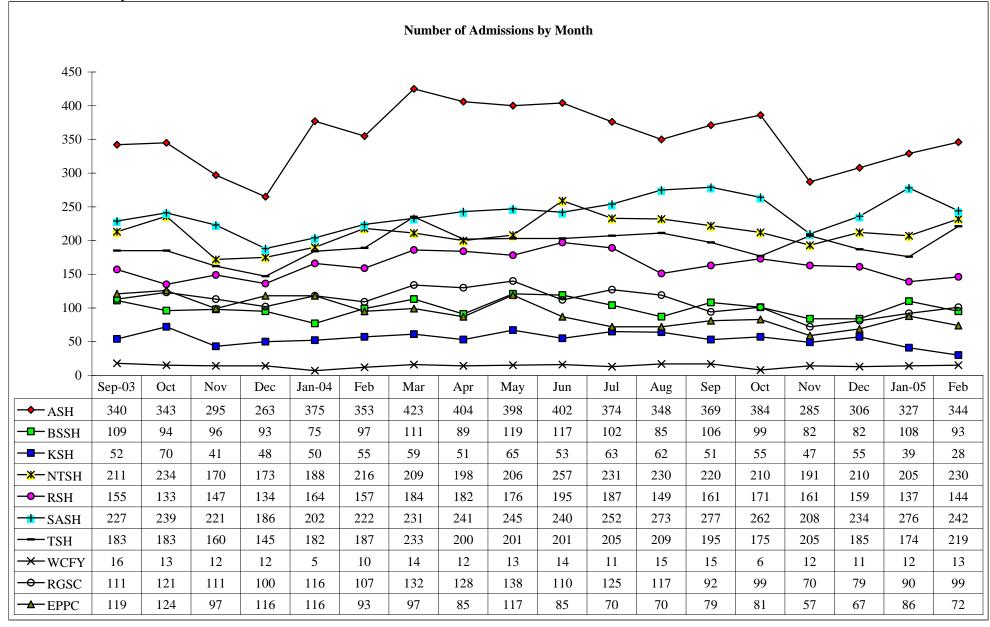
Measure 5A - Number/Type of Admissions and Readmissions All MH Facilities

FYTD Admissions & Discharges

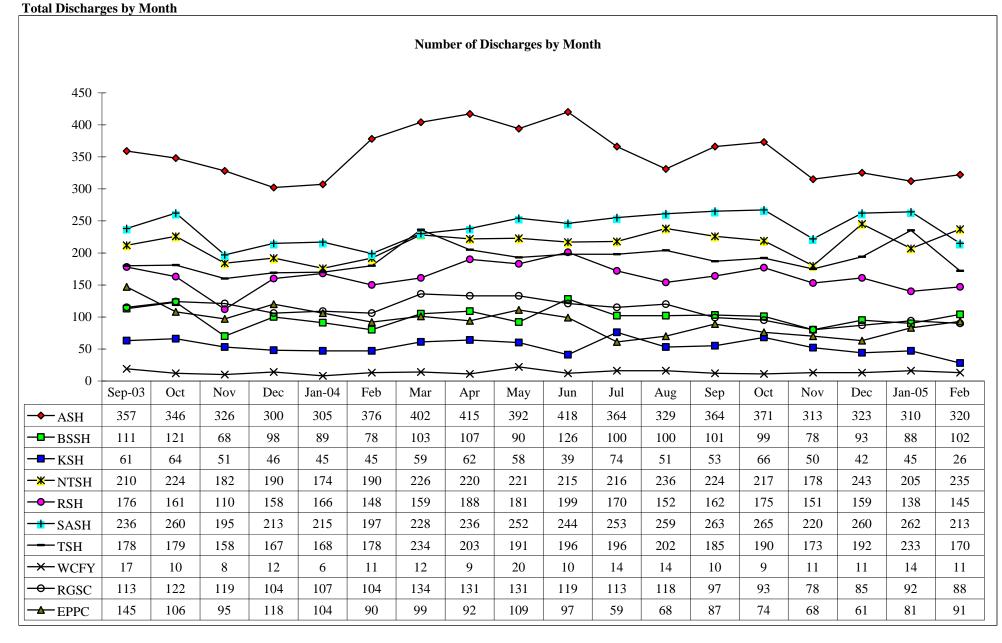


Measure 5A - Number/Type of Admissions and Readmissions All MH Facilities

Total Admissions by Month

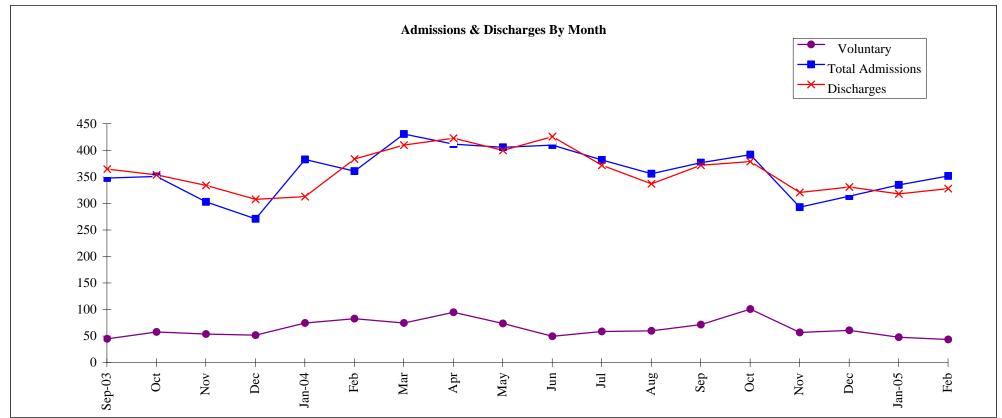


 $\begin{tabular}{ll} Measure~5A-Number/Type~of~Admissions~and~Readmissions\\ All~MH~Facilities \end{tabular}$



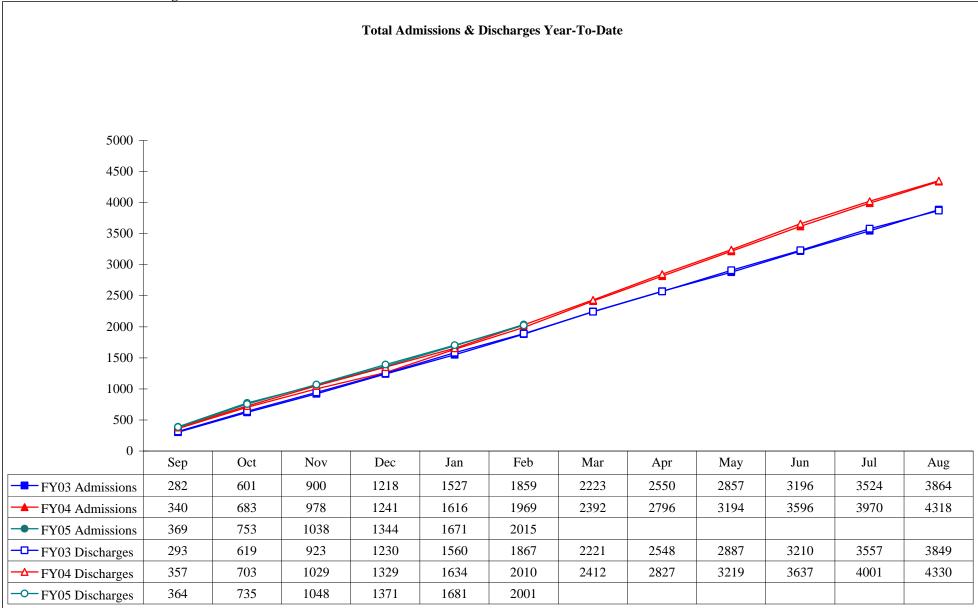
Measure 5A - Number/Type of Admissions and Readmissions Austin State Hospital Admissions by Month

	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	340	343	295	263	375	353	423	404	398	402	374	348	369	384	285	306	327	344
Voluntary	37	50	46	44	67	75	67	87	66	42	51	52	64	93	49	53	40	36
Involuntary	303	293	249	219	308	278	356	317	332	360	323	296	305	291	236	253	287	308
OPC	40	33	23	23	42	31	19	34	28	29	27	31	29	25	18	23	27	30
Emergency	221	218	197	161	232	219	272	224	269	277	244	224	225	231	177	178	223	238
Temporary	31	34	26	27	28	22	51	47	28	33	32	33	29	23	27	40	31	26
Extended	1	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1
46.02/46.03	10	8	3	7	6	6	12	12	7	20	17	7	21	12	14	12	6	13
Order for MR Svc	0	0	0	0	0	0	1	0	0	0	2	1	1	0	0	0	0	0
Discharges	357	346	326	300	305	376	402	415	392	418	364	329	364	371	313	323	310	320
% of Readmissions	56%	50%	49%	52%	55%	50%	60%	53%	58%	62%	58%	57%	55%	55%	58%	54%	54%	56%



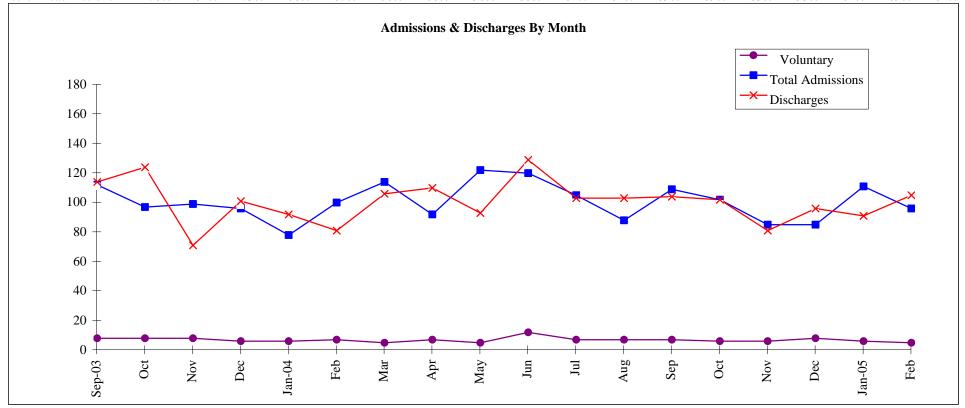
Measure 5A - Number/Type of Admissions and Readmissions Austin State Hospital

FYTD Admissions & Discharges

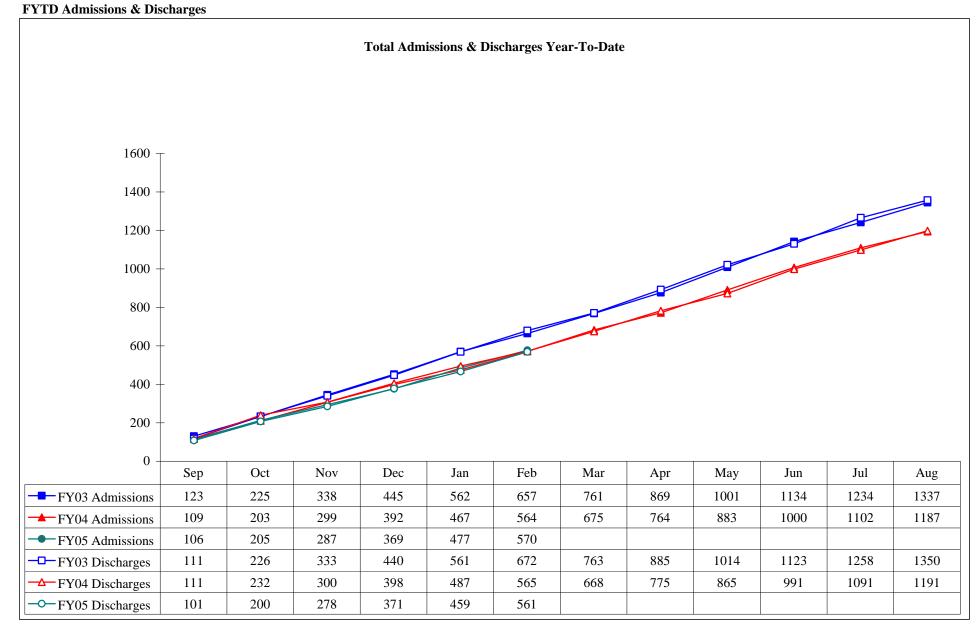


Measure 5A - Number/Type of Admissions and Readmissions Big Spring State Hospital Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	109	94	96	93	75	97	111	89	119	117	102	85	106	99	82	82	108	93
Voluntary	5	5	5	3	3	4	2	4	2	9	4	4	4	3	3	5	3	2
Involuntary	104	89	91	90	72	93	109	85	117	108	98	81	102	96	79	77	105	91
OPC	10	10	7	8	10	9	15	15	15	18	23	13	20	18	19	10	15	14
Emergency	76	68	61	71	56	56	69	63	88	75	65	60	57	63	48	61	68	74
Temporary	8	3	15	3	2	20	21	2	11	11	2	3	8	11	4	0	0	0
Extended	1	2	2	2	2	4	0	1	1	1	2	0	2	0	0	1	1	0
46.02/46.03	8	6	6	6	2	4	3	4	1	2	4	4	12	3	5	4	21	2
Order for MR Sv	1	0	0	0	0	0	1	0	1	1	2	1	3	1	3	1	0	1
Discharges	111	121	68	98	89	78	103	107	90	126	100	100	101	99	78	93	88	102
% of Readmissions	70%	62%	73%	66%	67%	66%	68%	56%	60%	62%	62%	69%	69%	63%	55%	61%	69%	61%

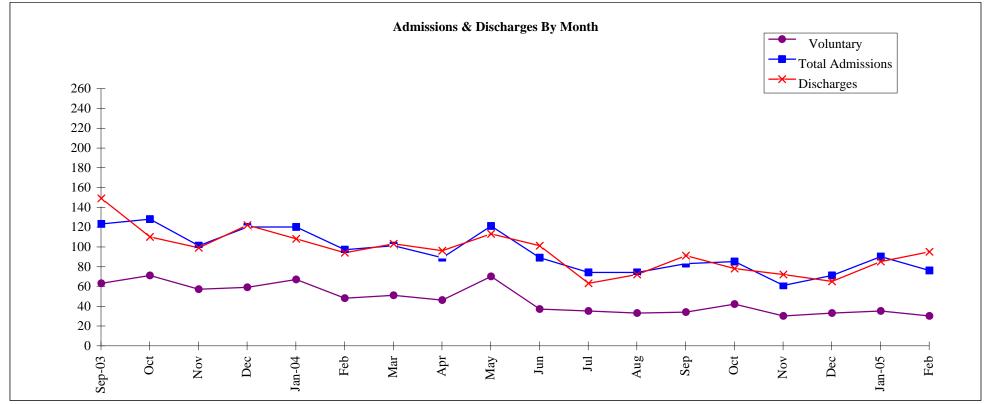


Measure 5A - Number/Type of Admissions and Readmissions Big Spring State Hospital



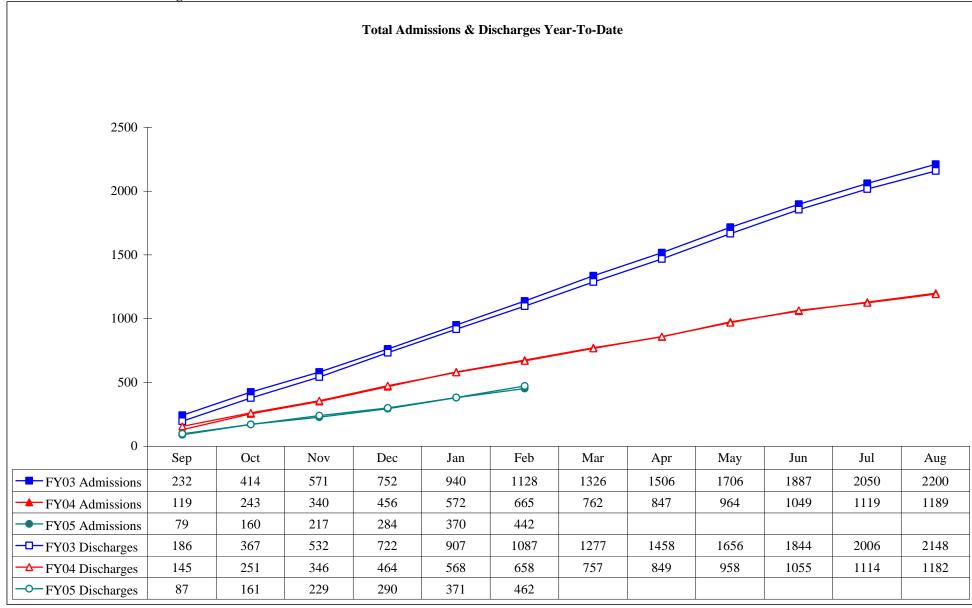
Measure 5A - Number/Type of Admissions and Readmissions El Paso Psychiatric Center Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	119	124	97	116	116	93	97	85	117	85	70	70	79	81	57	67	86	72
Voluntary	59	67	53	55	63	44	47	42	66	33	31	29	30	38	26	29	31	26
Involuntary	60	57	44	61	53	49	50	43	51	52	39	41	49	43	31	38	55	46
OPC	0	0	0	0	0	0	0	0	2	9	3	2	3	2	3	4	4	1
Emergency	58	51	43	61	53	48	50	42	48	42	36	34	45	40	26	29	48	44
Temporary	0	2	0	0	0	1	0	1	1	1	0	2	1	1	2	3	3	1
Extended	2	4	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
46.02/46.03	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Order for MR Svc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharges	145	106	95	118	104	90	99	92	109	97	59	68	87	74	68	61	81	91
% of Readmissions	51%	57%	64%	47%	59%	59%	58%	56%	57%	59%	61%	53%	51%	47%	44%	37%	48%	56%



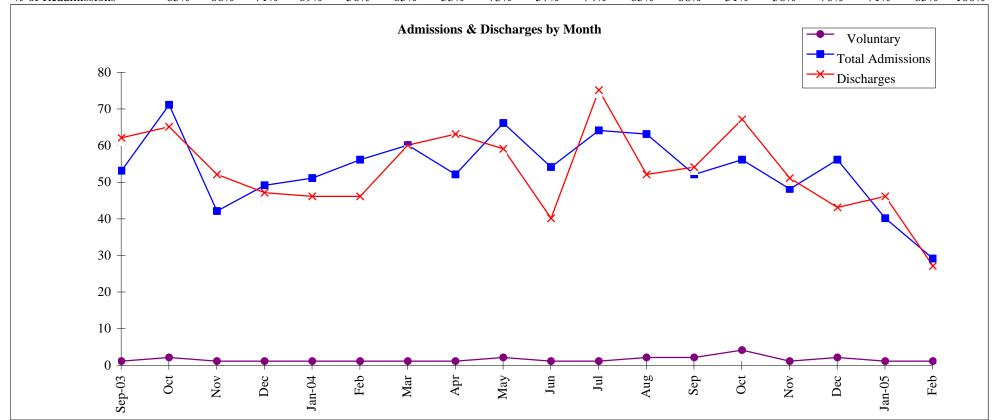
Measure 5A - Number/Type of Admissions and Readmissions El Paso Psychiatric Center

FYTD Admissions & Discharges

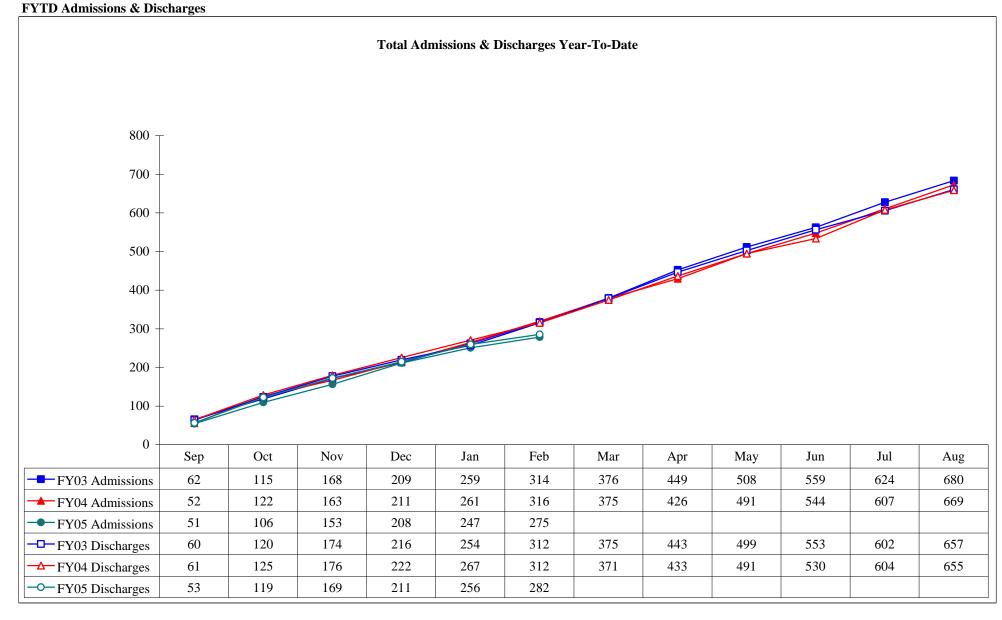


Measure 5A - Number/Type of Admissions and Readmissions Kerrville State Hospital Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	52	70	41	48	50	55	59	51	65	53	63	62	51	55	47	55	39	28
Voluntary	0	1	0	0	0	0	0	0	1	0	0	1	1	3	0	1	0	0
Involuntary	52	69	41	48	50	55	59	51	64	53	63	61	50	52	47	54	39	28
OPC	1	6	6	4	3	7	11	6	10	7	8	5	5	3	3	2	1	0
Emergency	43	53	27	36	45	44	40	35	42	34	42	38	41	39	34	31	12	1
Temporary	0	1	0	1	0	0	0	2	2	2	0	1	0	0	4	8	0	0
Extended	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
46.02/46.03	8	9	8	7	2	3	7	7	8	10	11	17	2	9	6	13	26	27
Order for MR Svc	0	0	0	0	0	1	1	0	2	0	2	0	2	1	0	0	0	0
Discharges	61	64	51	46	45	45	59	62	58	39	74	51	53	66	50	42	45	26
% of Readmissions	65%	66%	71%	69%	56%	65%	53%	73%	57%	74%	65%	68%	51%	58%	70%	71%	85%	100%

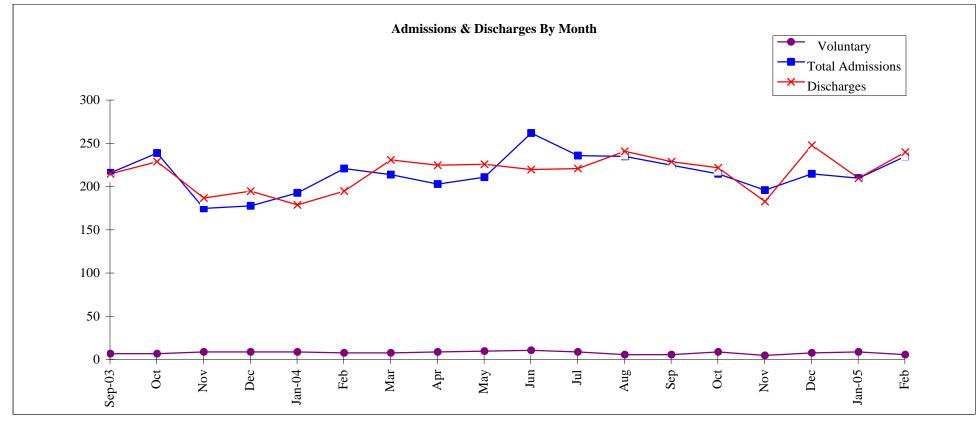


Measure 5A - Number/Type of Admissions and Readmissions Kerrville State Hospital



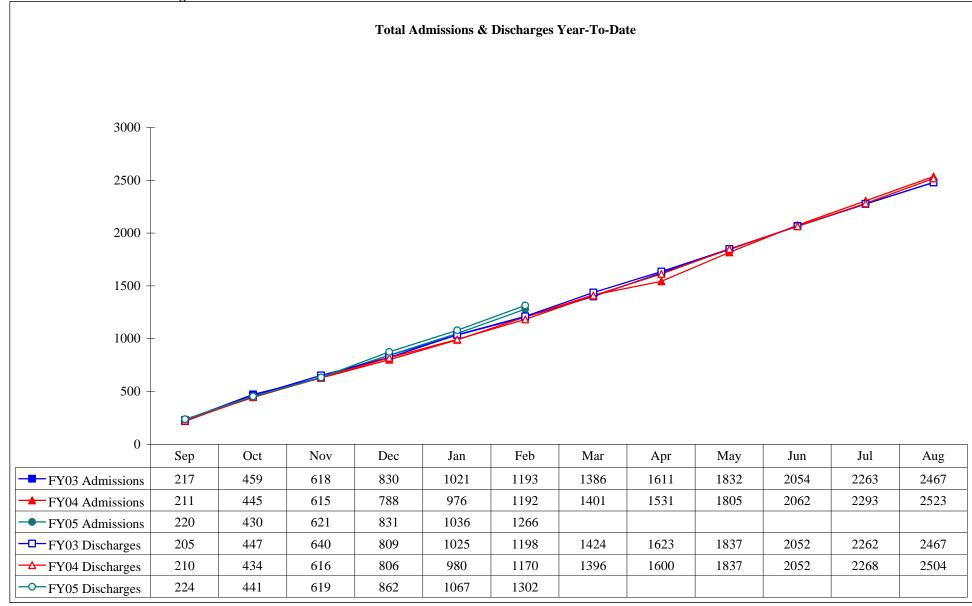
Measure 5A - Number/Type of Admissions and Readmissions North Texas State Hospital Admissions by Month

	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	211	234	170	173	188	216	209	198	206	257	231	230	220	210	191	210	205	230
Voluntary	2	2	4	4	4	3	3	4	5	6	4	1	1	4	0	3	4	1
Involuntary	209	232	166	169	184	213	206	194	201	251	227	229	219	206	191	207	201	229
OPC	12	30	14	22	24	33	39	36	35	27	41	43	32	27	27	31	41	28
Emergency	48	46	38	40	29	49	35	25	33	46	41	44	44	36	34	38	44	37
Temporary	63	74	43	53	75	44	46	64	71	77	71	57	62	64	59	61	55	64
Extended	1	0	1	2	1	0	0	0	1	1	4	1	1	6	3	2	1	7
46.02/46.03	67	65	53	42	48	73	68	53	47	86	53	69	64	63	58	68	47	71
Order for MR Svc	18	17	17	10	7	14	18	16	14	14	17	15	16	10	10	7	13	22
Discharges	210	224	182	190	174	190	226	220	221	215	216	236	224	217	178	243	205	235
% of Readmissions	55%	57%	54%	53%	56%	55%	50%	56%	49%	54%	53%	53%	54%	51%	59%	53%	50%	54%



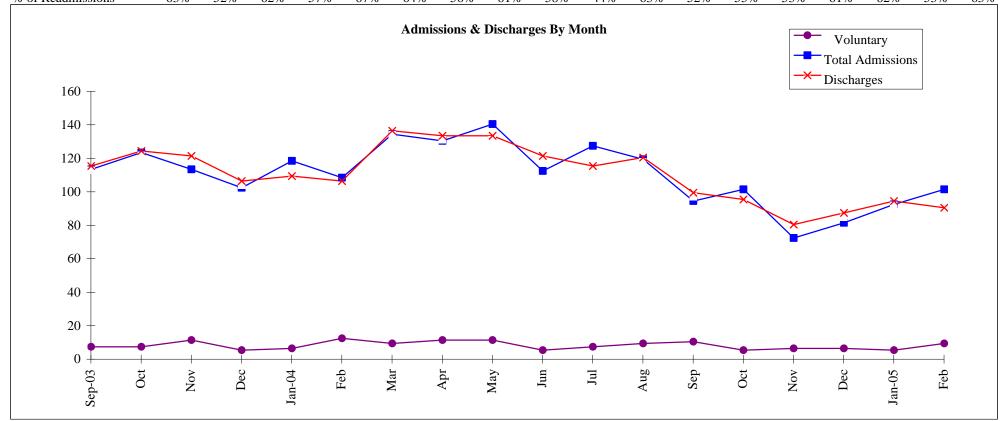
Measure 5A - Number/Type of Admissions and Readmissions North Texas State Hospital

FYTD Admissions & Discharges

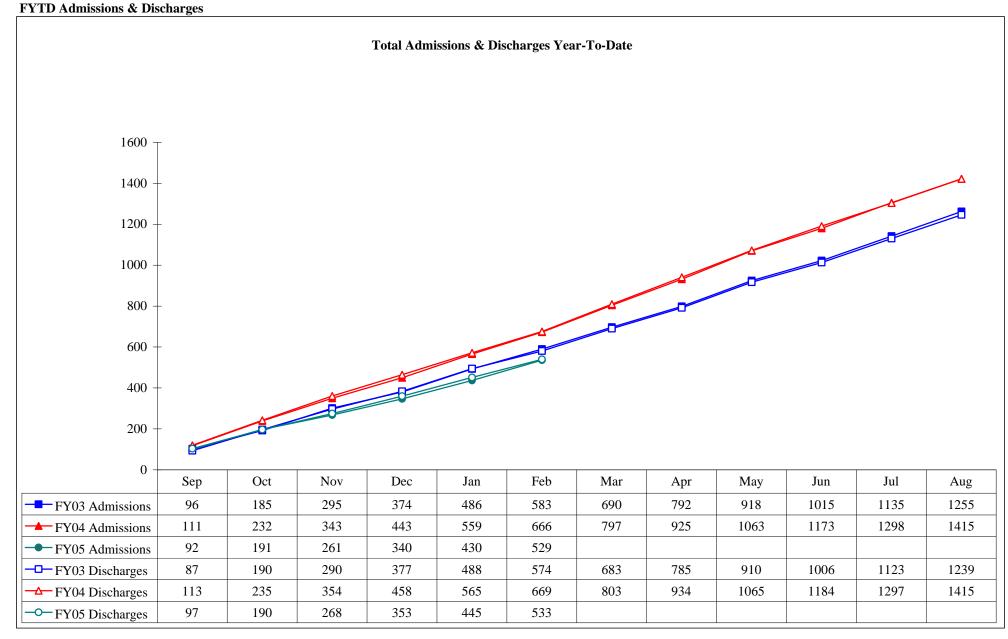


Measure 5A - Number/Type of Admissions and Readmissions Rio Grande State Center Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	111	121	111	100	116	106	132	128	138	110	125	117	92	99	70	79	90	99
Voluntary	5	5	9	3	4	10	7	9	9	3	5	7	8	3	4	4	3	7
Involuntary	106	116	102	97	112	96	125	119	129	107	120	109	84	96	66	75	87	92
OPC	1	2	0	1	3	2	2	5	1	1	2	1	0	1	0	3	1	1
Emergency	105	114	102	96	109	94	123	114	128	105	118	108	83	95	66	71	86	91
Temporary	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
Extended	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46.02/46.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Order for MR Svc	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Discharges	113	122	119	104	107	104	134	131	131	119	113	118	97	93	78	85	92	88
% of Readmissions	63%	52%	62%	57%	67%	64%	56%	61%	58%	44%	63%	52%	55%	53%	61%	62%	53%	63%

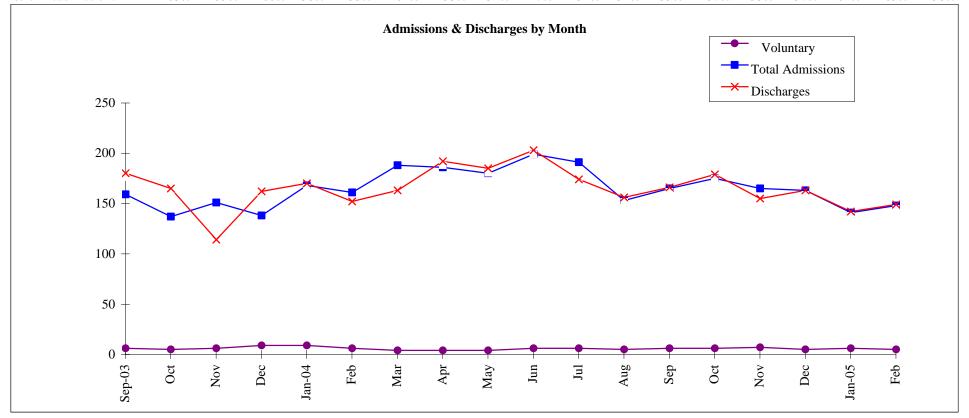


 $\label{eq:measure 5A - Number/Type of Admissions and Readmissions} \\ \mbox{Rio Grande State Center}$



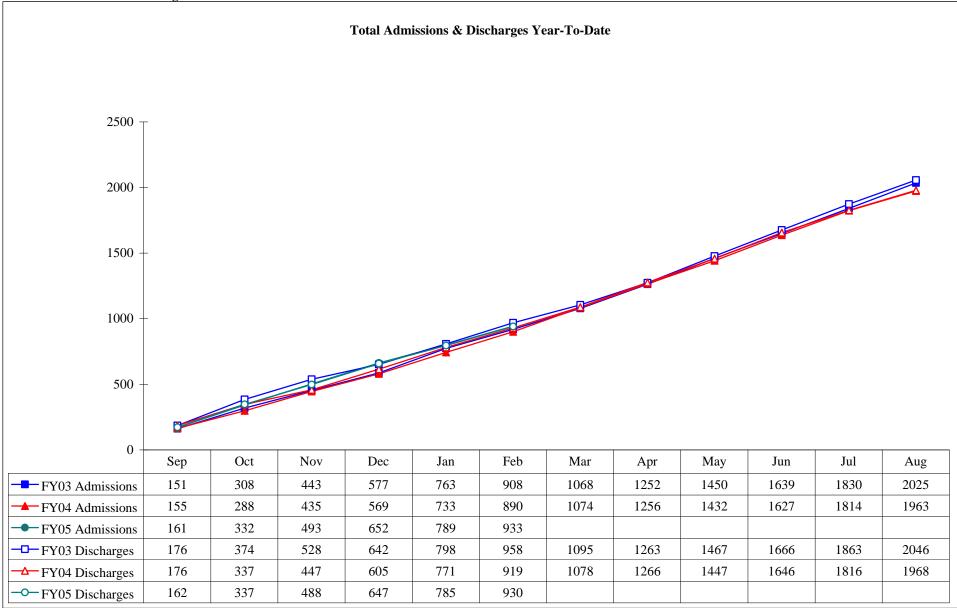
Measure 5A - Number/Type of Admissions and Readmissions Rusk State Hospital Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	155	133	147	134	164	157	184	182	176	195	187	149	161	171	161	159	137	144
Voluntary	2	1	2	5	5	2	0	0	0	2	2	1	2	2	3	1	2	1
Involuntary	153	132	145	129	159	155	184	182	176	193	185	148	159	169	158	158	135	143
OPC	26	42	24	10	33	33	27	46	40	36	38	42	34	39	41	36	39	42
Emergency	76	52	68	81	95	88	110	99	93	106	107	65	82	95	72	83	57	60
Temporary	24	21	30	21	20	24	38	18	33	37	30	29	26	19	28	18	27	30
Extended	2	1	1	2	0	1	1	2	0	1	0	0	0	0	0	2	1	0
46.02/46.03	25	16	22	15	4	2	5	17	10	13	10	11	17	16	17	19	11	11
Order for MR Svc	0	0	0	0	7	7	3	0	0	0	0	1	0	0	0	0	0	0
Discharges	176	161	110	158	166	148	159	188	181	199	170	152	162	175	151	159	138	145
% of Readmissions	63%	59%	60%	58%	55%	64%	53%	51%	47%	51%	51%	59%	57%	53%	57%	62%	65%	58%



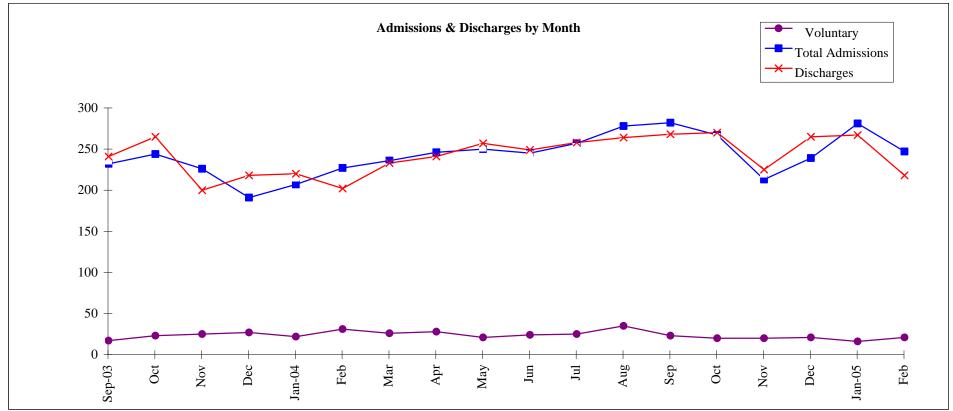
Measure 5A - Number/Type of Admissions and Readmissions Rusk State Hospital

FYTD Admissions & Discharges

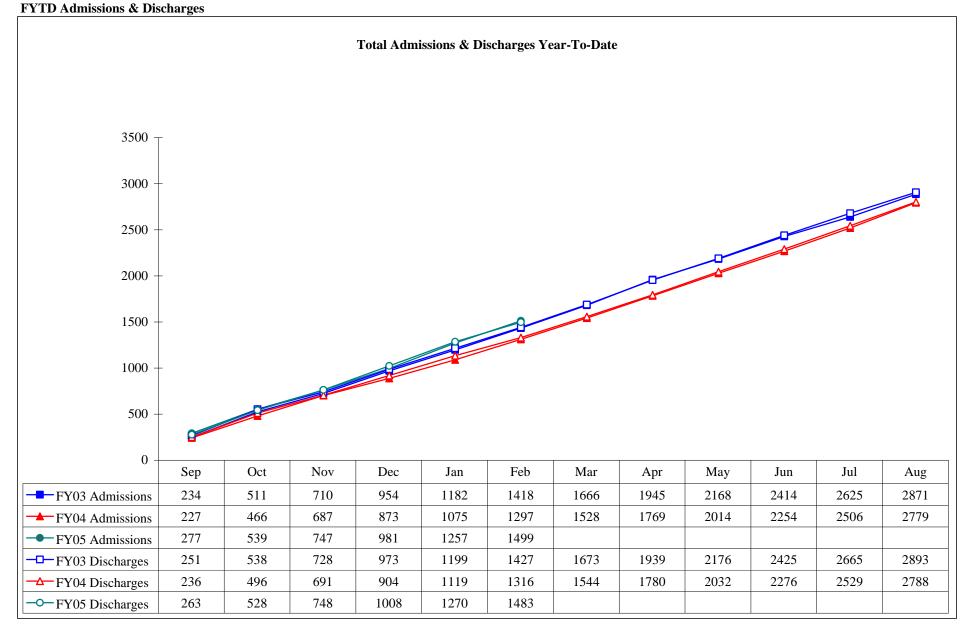


Measure 5A - Number/Type of Admissions and Readmissions San Antonio State Hospital Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	227	239	221	186	202	222	231	241	245	240	252	273	277	262	208	234	276	242
Voluntary	12	18	20	22	17	26	21	23	16	19	20	30	18	15	15	16	11	16
Involuntary	215	221	201	164	185	196	210	218	229	221	232	243	259	247	193	218	265	226
OPC	83	75	65	69	50	50	70	68	78	71	81	81	90	64	53	71	76	61
Emergency	101	97	110	69	110	117	97	109	124	111	117	123	116	149	102	109	146	127
Temporary	26	40	23	20	21	21	32	38	17	32	23	28	37	19	29	33	32	25
Extended	1	1	0	2	1	1	0	0	0	0	0	0	3	2	0	1	1	3
46.02/46.03	4	7	3	4	3	6	10	3	9	7	9	10	8	12	5	4	9	10
Order for MR Svc	0	1	0	0	0	1	1	0	1	0	2	1	5	1	4	0	1	0
Discharges	236	260	195	213	215	197	228	236	252	244	253	259	263	265	220	260	262	213
% of Readmissions	53%	53%	57%	62%	58%	56%	55%	56%	52%	50%	52%	59%	54%	50%	52%	47%	49%	50%

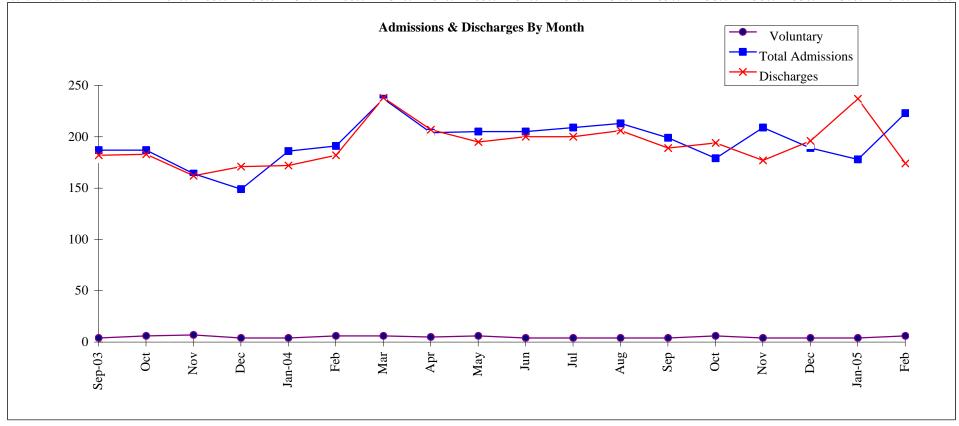


 $\label{eq:measure 5A - Number/Type of Admissions and Readmissions} \\ San \ Antonio \ State \ Hospital$



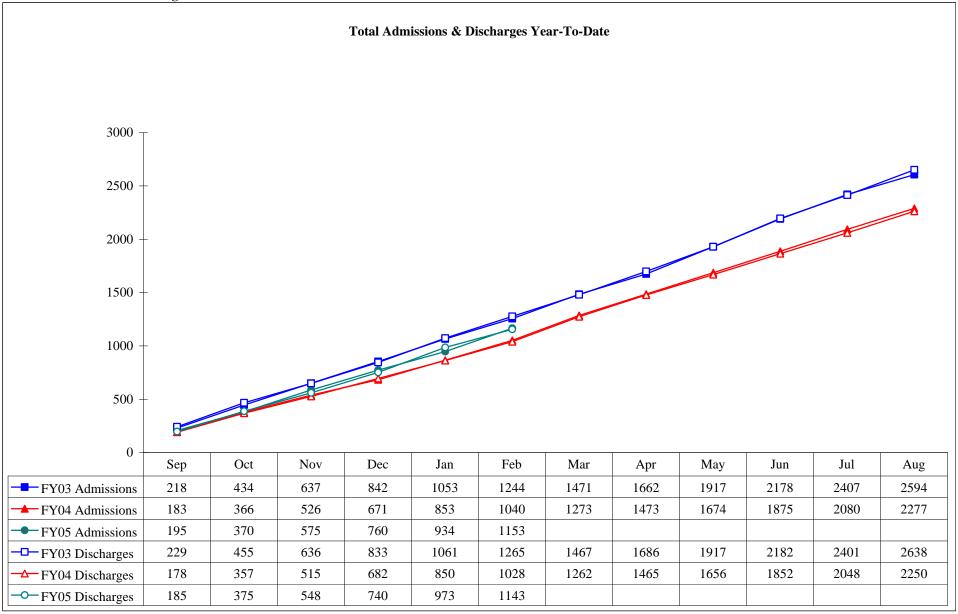
Measure 5A - Number/Type of Admissions and Readmissions Terrell State Hospital Admissions by Month

_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	183	183	160	145	182	187	233	200	201	201	205	209	195	175	205	185	174	219
Voluntary	0	2	3	0	0	2	2	1	2	0	0	0	0	2	0	0	0	2
Involuntary	183	181	157	145	182	185	231	199	199	201	205	209	195	173	205	185	174	217
OPC	112	103	107	102	138	143	163	146	151	153	149	141	150	126	154	133	121	120
Emergency	28	31	19	21	23	17	18	15	12	11	21	17	19	11	14	13	6	32
Temporary	35	28	18	15	15	15	30	22	22	22	14	32	18	16	17	14	23	40
Extended	0	8	3	0	0	1	0	4	0	0	0	3	1	4	0	3	1	8
46.02/46.03	7	11	10	7	6	9	20	11	14	15	20	15	7	15	19	22	23	17
Order for MR Svc	1	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0
Discharges	178	179	158	167	168	178	234	203	191	196	196	202	185	190	173	192	233	170
% of Readmissions	62%	68%	56%	54%	60%	54%	61%	60%	54%	64%	57%	59%	58%	58%	55%	57%	61%	70%



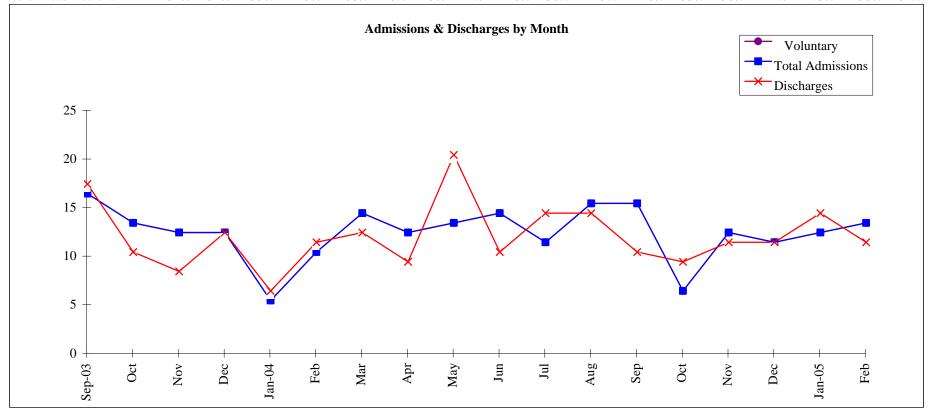
Measure 5A - Number/Type of Admissions and Readmissions Terrell State Hospital

FYTD Admissions & Discharges

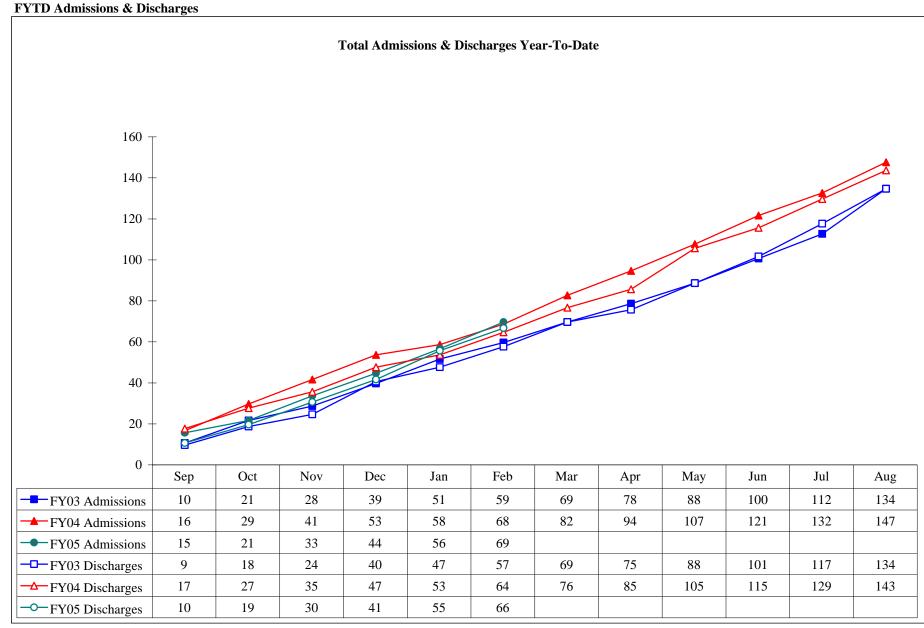


Measure 5A - Number/Type of Admissions and Readmissions Waco Center for Youth Admissions by Month

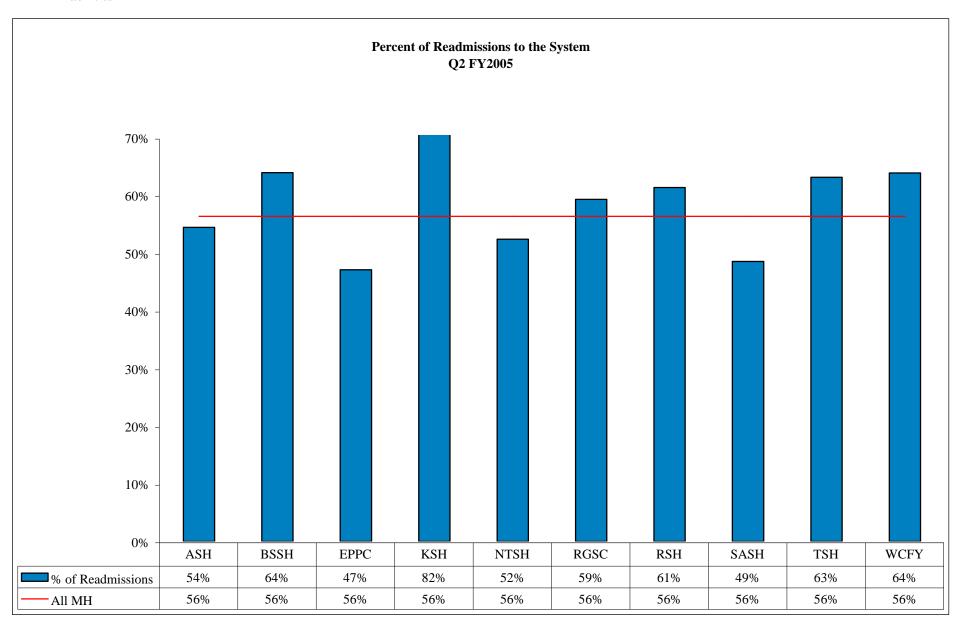
_	Sep-03	Oct	Nov	Dec	Jan-04	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
Total Admissions	16	13	12	12	5	10	14	12	13	14	11	15	15	6	12	11	12	13
Voluntary	16	13	12	12	5	10	14	12	13	14	11	15	15	6	12	11	12	13
Involuntary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emergency	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extended	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46.02/46.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Order for MR Svc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharges	17	10	8	12	6	11	12	9	20	10	14	14	10	9	11	11	14	11
% of Readmissions	31%	31%	33%	25%	60%	40%	43%	42%	46%	50%	45%	40%	53%	50%	42%	73%	58%	62%



 $\label{lem:measure 5A - Number/Type of Admissions and Readmissions} \\ Waco \ Center \ for \ Youth$



Measure 5A - Number/Type of Admissions and Readmissions All MH Facilities



Performance Measure 5B:

Percent of discharges returned to the community will be calculated on a quarterly basis for: 7 days or less; 8 to 15 days; 16 to 30 days; 30 to 45 days; 45 to 90 days, 91 to 180 days, 181 to 365 days and greater than 365 days.

<u>Performance Measure Operational Definition</u>: Percent of discharges returned to the community will be calculated on a quarterly basis for: 7 days or less; 8 to 15 days; 16 to 30 days; 30 to 45 days; 45 to 90 days, 91 to 180 days, 181 to 365 days and greater than 365 days.

Performance Measure Formula:

Rate = $(N/D) \times 100$

N = # persons discharged during time frame

D = total persons discharged during the quarter

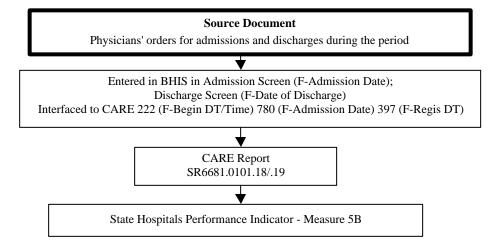
Net length of stay for persons who were discharged using codes (DRE) Discharge with Reassignment) or (DNS) Discharge No More Services, or sent on Absence Trial Placement (ATP),

<u>unless</u> they were referred to another campus-based program. (It eliminates persons who were discharged during the period and who were counted because of an ATP in a prior reporting period. It does not include persons who were discharged against medical advice (DMA) or who died (DED) during the quarter. The report uses net length of stay, which is the number of days an individual was resident on campus, not including days absent).

Performance Measure Data Display and Chart Description:

- ♦ Chart with quarterly data points of percent of discharges returned to the community for individual state hospitals and system-wide
- Table shows total discharges for the quarter for individual state hospitals and system-wide.

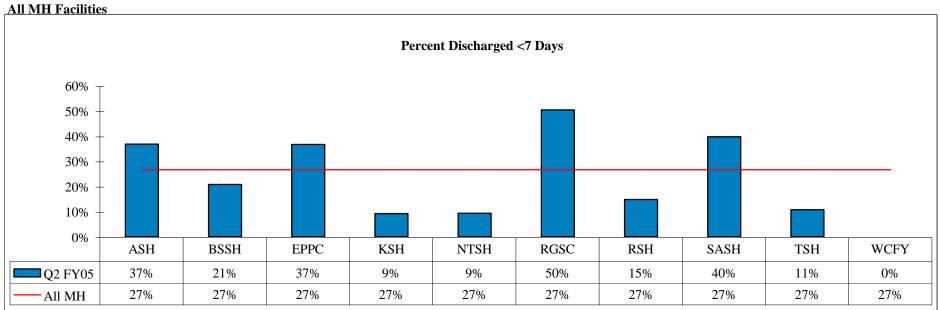


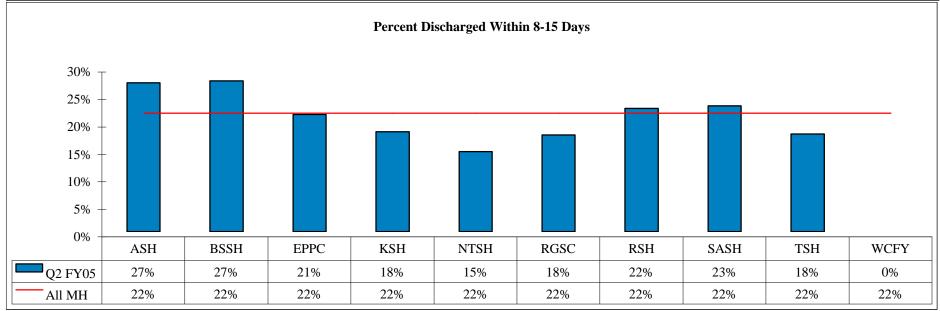


Data Integrity Review Process:

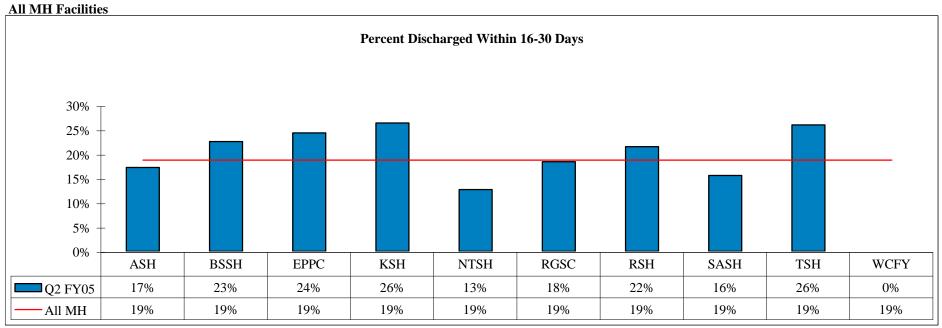
Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring	NRI PMS Episode and/or Event DIR Worksheet
Instrument/Tool	
Description of Review	Verification of the admission and discharge data fields of the NRI episode files and leave event
Process	start/stop dates as compared to the corresponding information in the medical record.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS quarterly
	episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly
Improvement Trigger	report do not correspond to the information in the medical record.

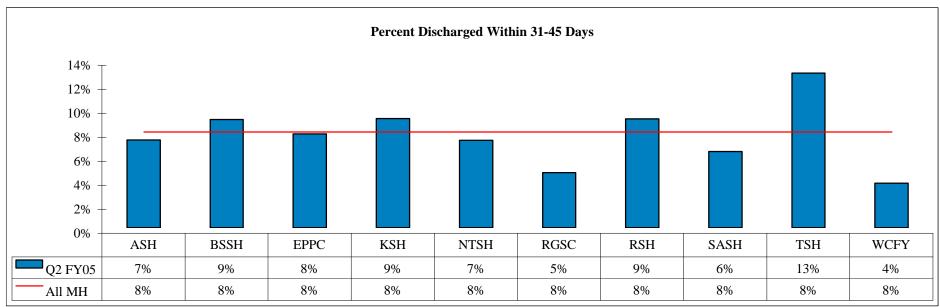
Measure 5B - Percent of Discharges Returned to the Community





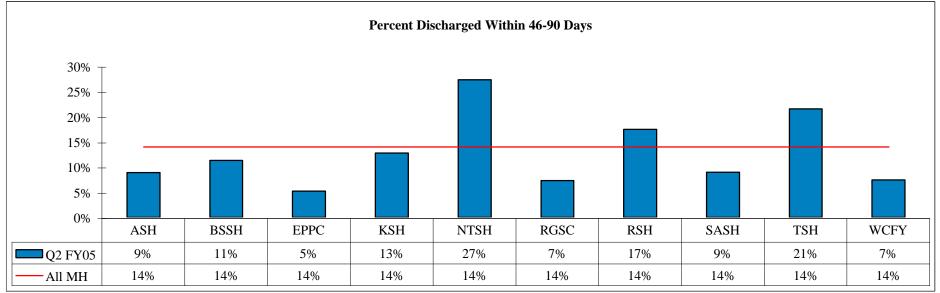
Measure 5B - Percent of Discharges Returned to the Community

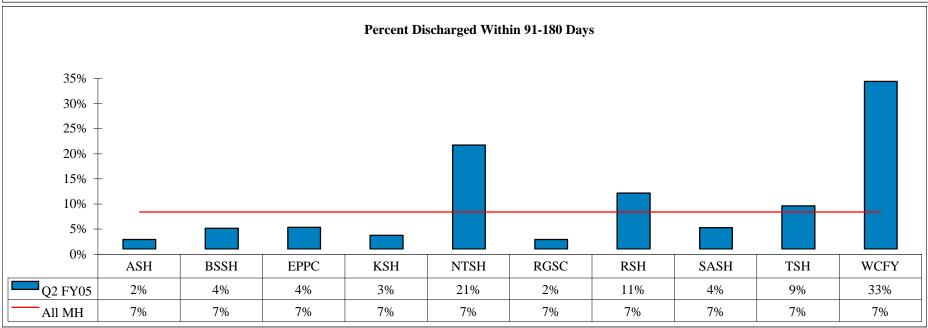




Measure 5B - Percent of Discharges Returned to the Community

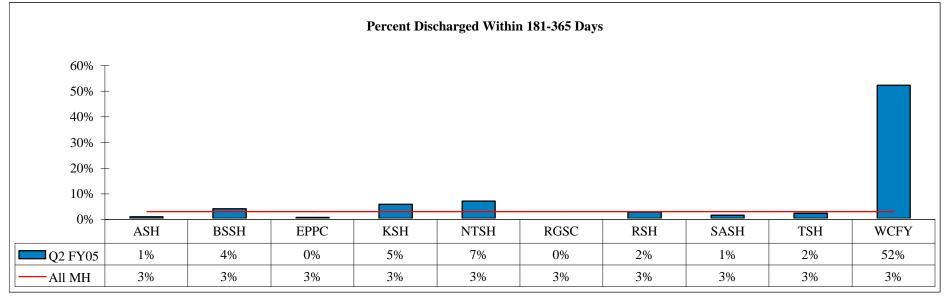
All MH Facilities

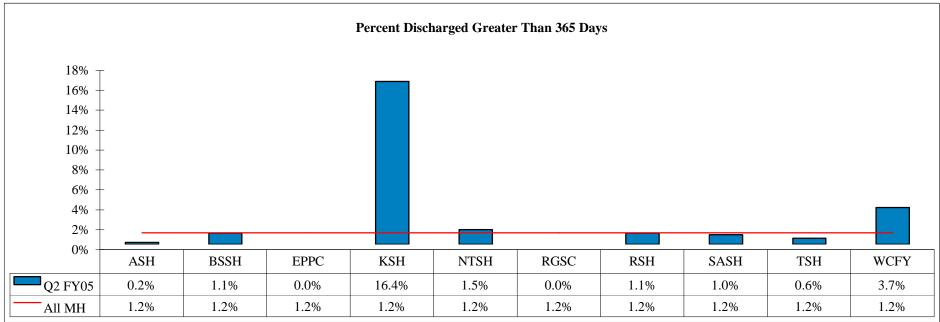




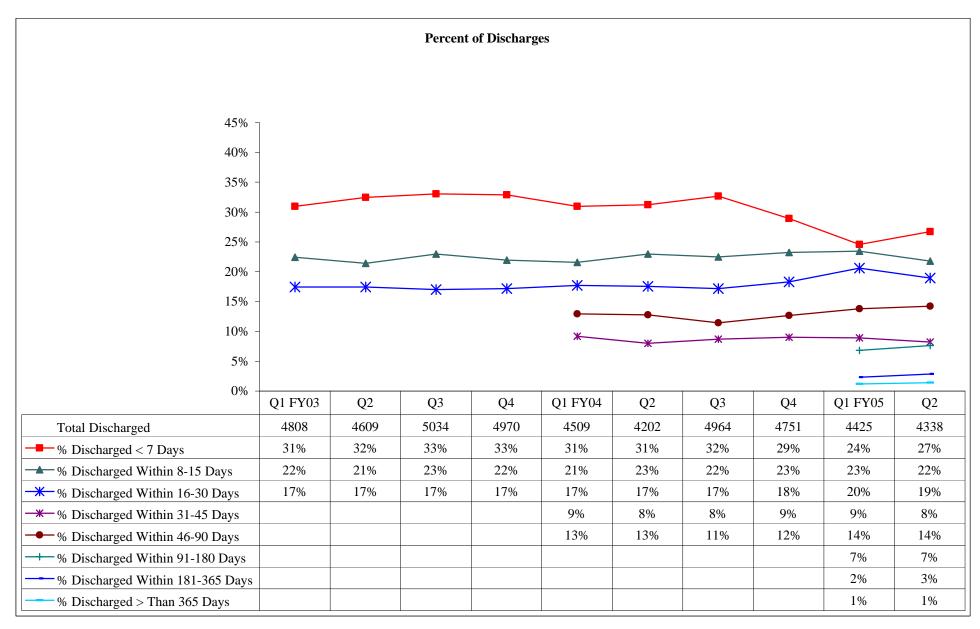
Measure 5B - Percent of Discharges Returned to the Community

All MH Facilities

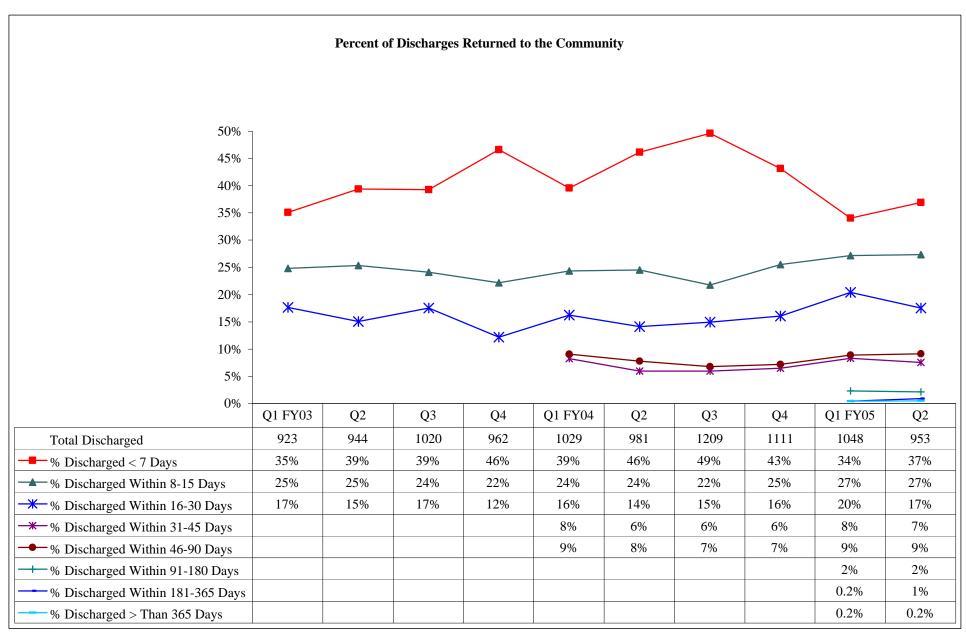




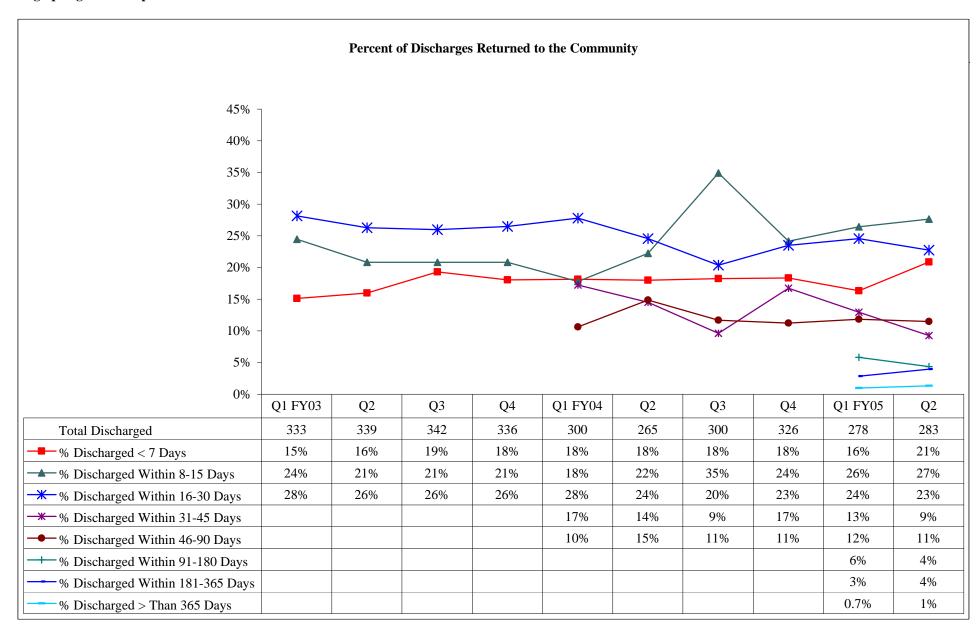
Measure 5B - Percent of Discharges Returned to the Community All MH Facilities



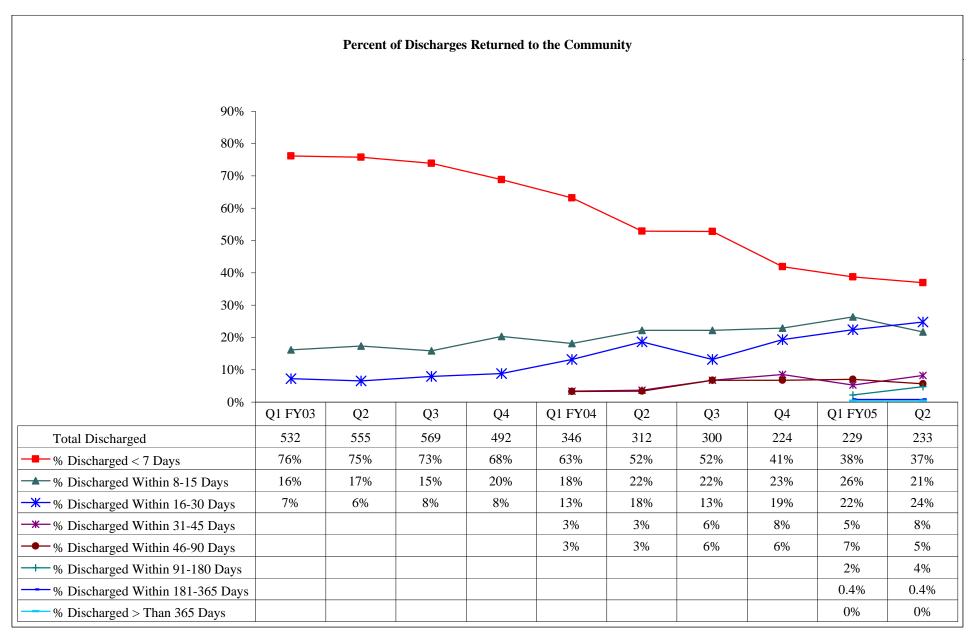
Measure 5B - Percent of Discharges Returned to the Community Austin State Hospital



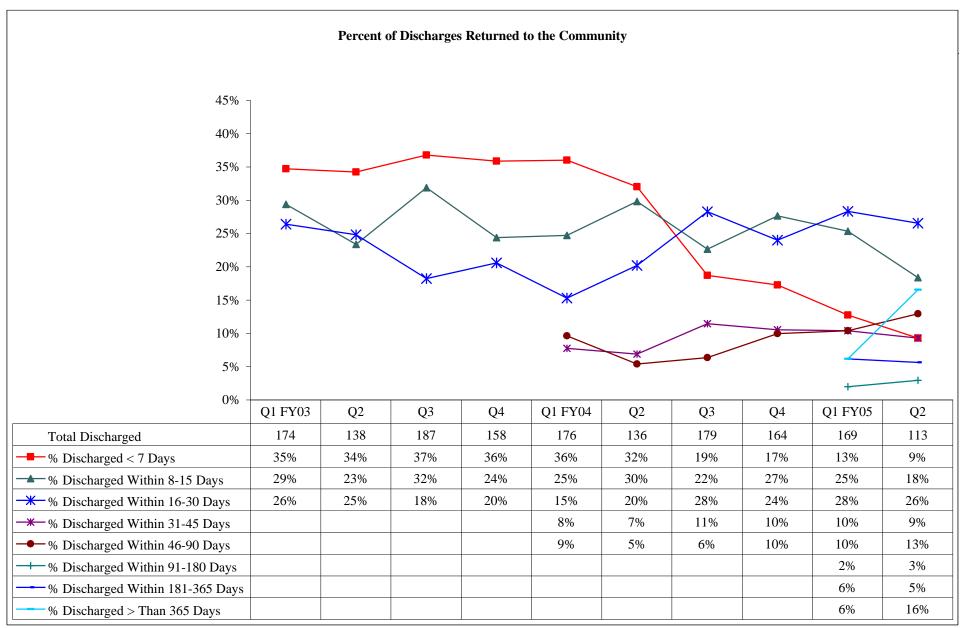
Measure 5B - Percent of Discharges Returned to the Community Big Spring State Hospital



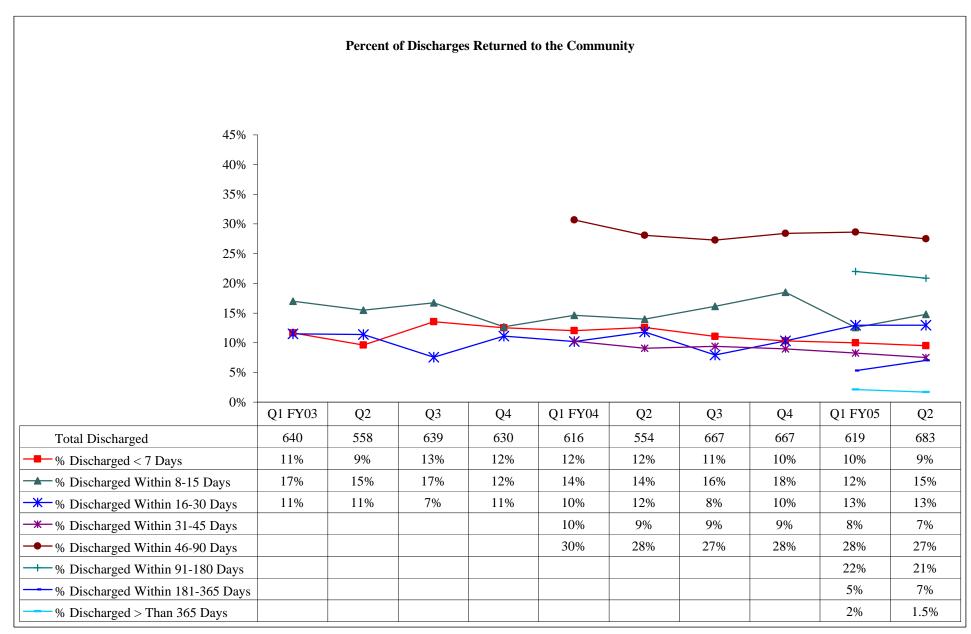
Measure 5B - Percent of Discharges Returned to the Community El Paso Psychiatric Center



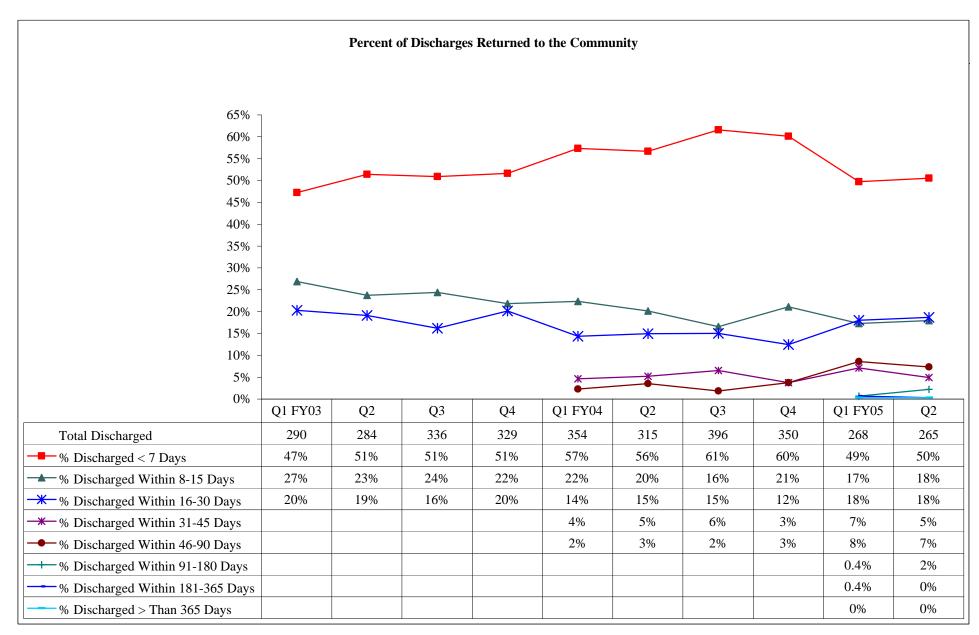
Measure 5B - Percent of Discharges Returned to the Community Kerrville State Hospital



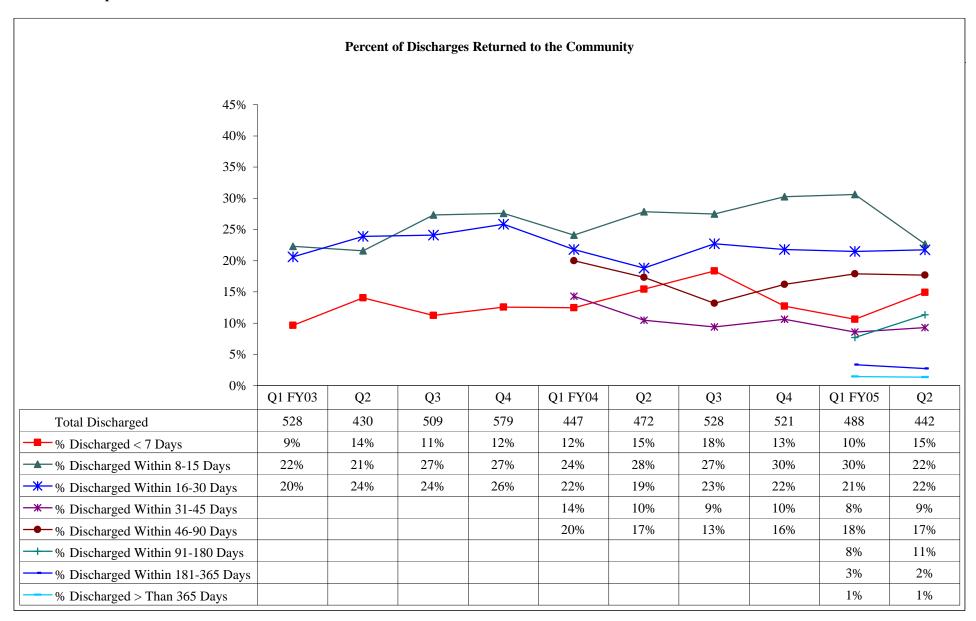
Measure 5B - Percent of Discharges Returned to the Community North Texas State Hospital



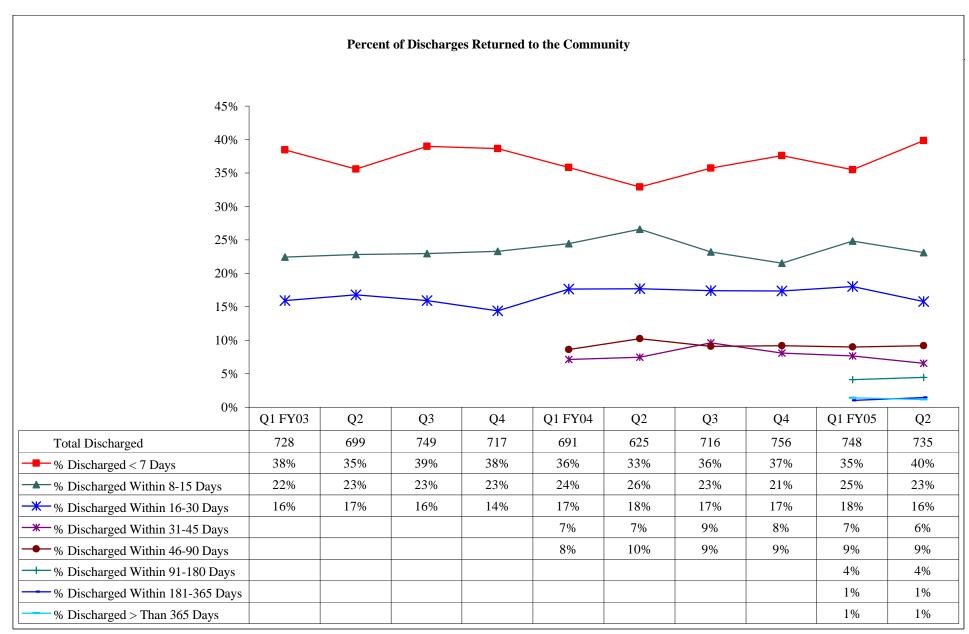
Measure 5B - Percent of Discharges Returned to the Community Rio Grande State Center



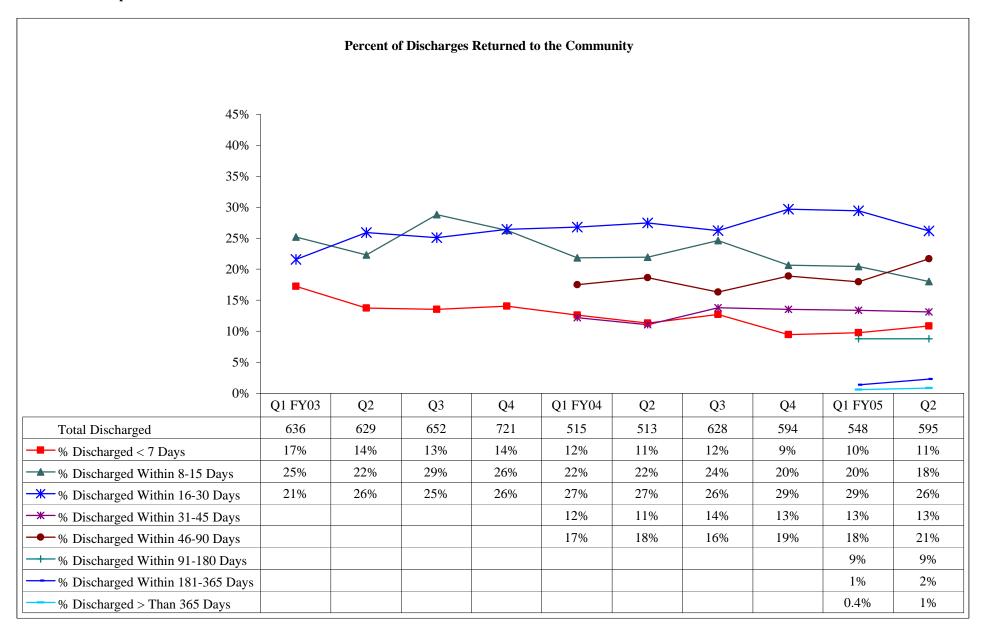
Measure 5B - Percent of Discharges Returned to the Community Rusk State Hospital



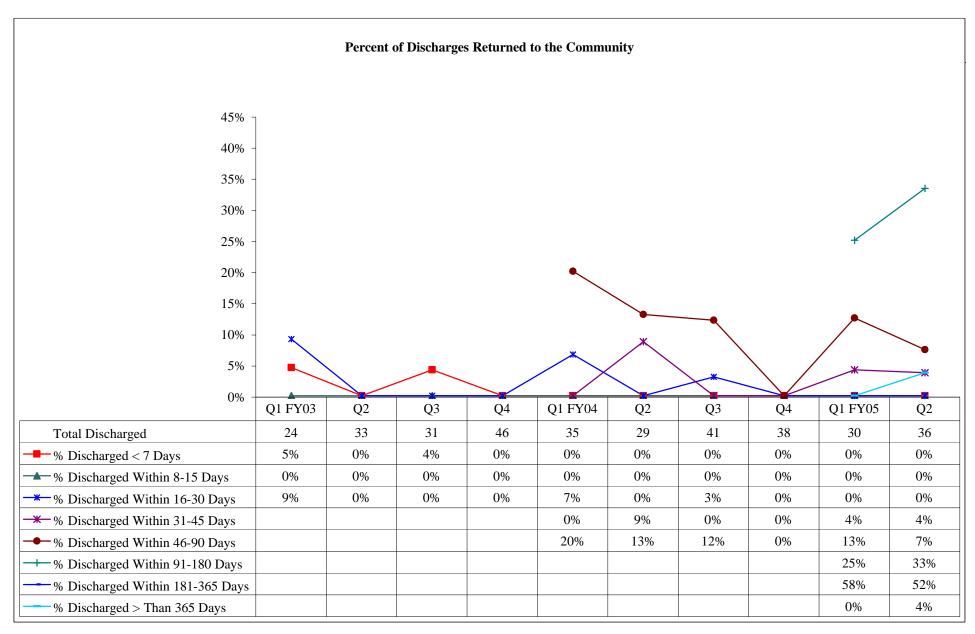
Measure 5B - Percent of Discharges Returned to the Community San Antonio State Hospital



Measure 5B - Percent of Discharges Returned to the Community Terrell State Hospital



Measure 5B - Percent of Discharges Returned to the Community Waco Center for Youth



Performance Measure 5C:

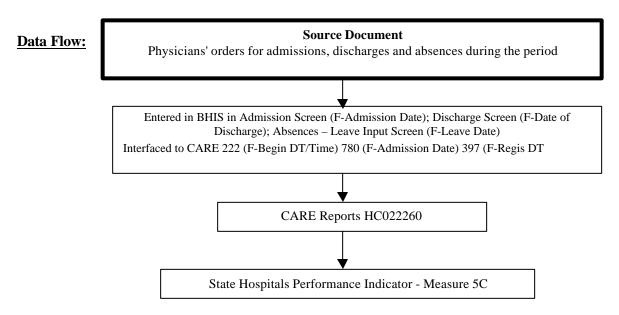
Average length of stay in a state hospital will be calculated on a quarterly basis for those patients: Admitted and discharged within 12 months, and all discharges.

<u>Performance Measure Operational Definition:</u> The state hospital average length of stay at discharged using admissions, absence and discharge data.

<u>Performance Measure Formula:</u> Net length of stay calculated by subtracting the date of admission from the date of discharge, and then subtracting days absent. <u>Length of Stay for Admitted and Discharged During Prior Twelve Months</u> shows how may people were both admitted and discharged during the prior twelve months.

Performance Measure Data Display and Chart Description:

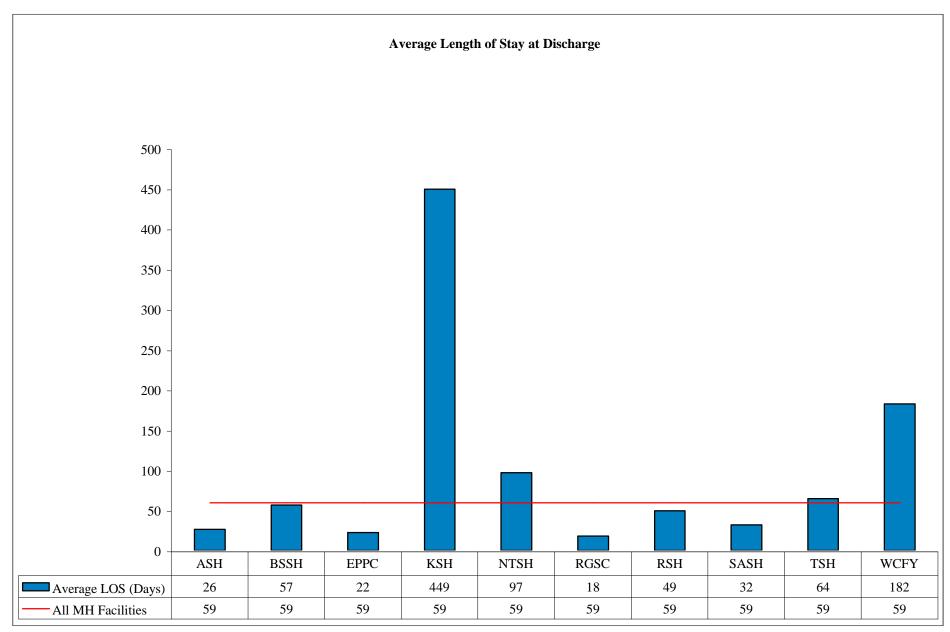
- ♦ Chart with quarterly data points showing average length of stay at discharge by category for individual state hospitals and system-wide.
- Chart with average length of stay for admitted and discharged during prior 12 months by category for individual state hospitals and system-wide.



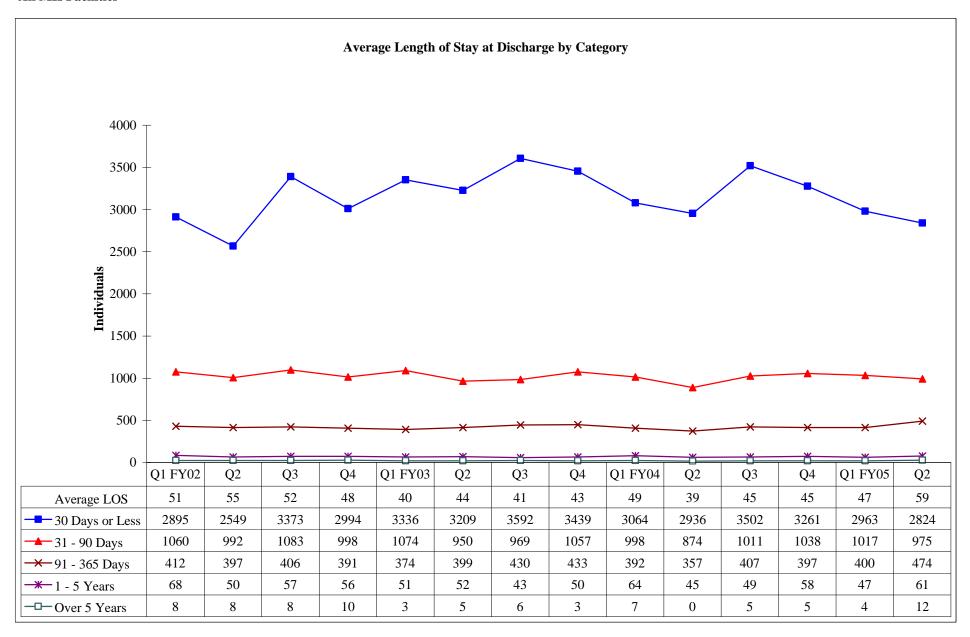
Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time when a leave, restraint/seclusion, injury or elopement started and stopped.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event start/stop dates as compared to the corresponding information in the medical record.
Sample Size	Review of 15 randomly selected patient records for the most recently reported NRI PMS quarterly episode file data and associated events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly report do not correspond to the information in the medical record.
DIR/HMDS Report	Summary of review including data accuracy, findings and data analysis.

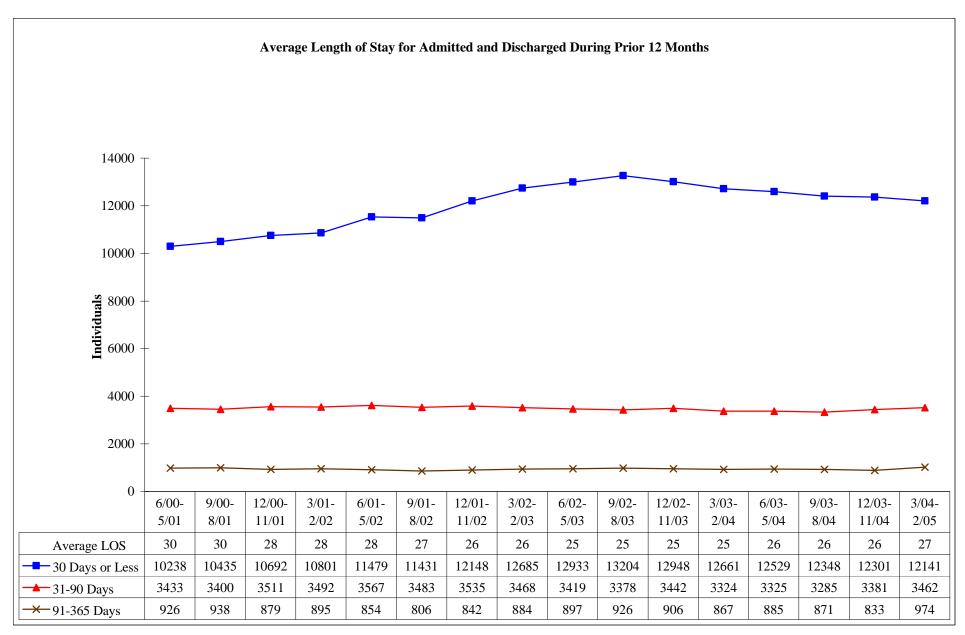
Measure 5C - Average Length of Stay at Discharge All MH Facilities



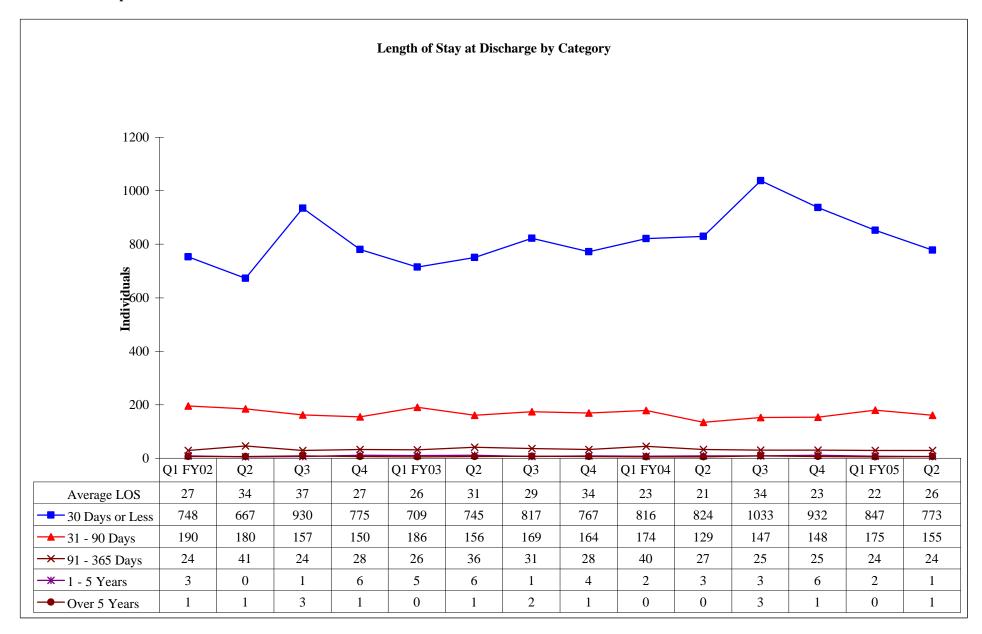
Measure 5C - Average Length of Stay at Discharge All MH Facilities



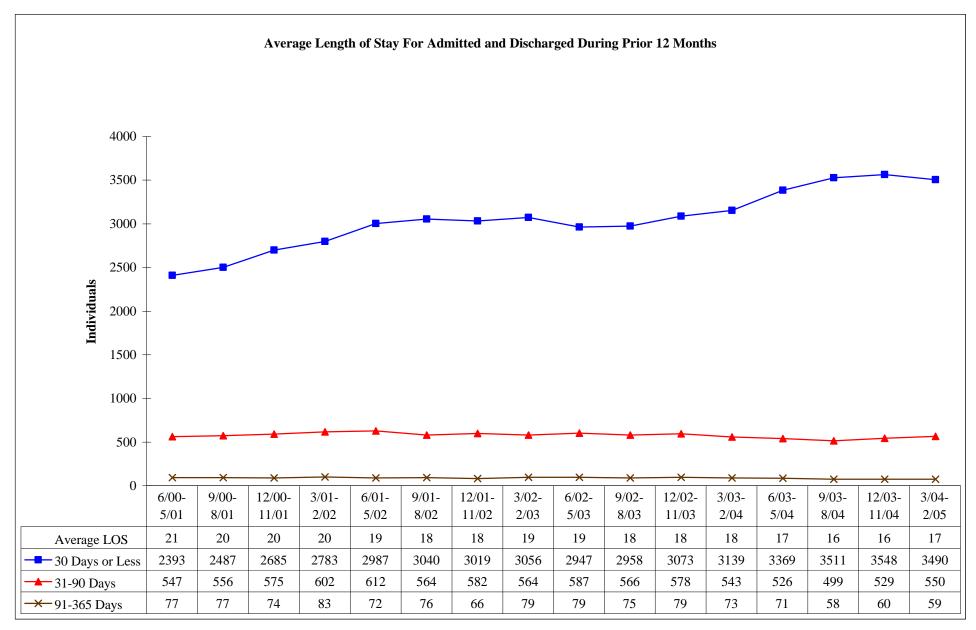
Measure 5C - Average Length of Stay at Discharge All MH Facilities



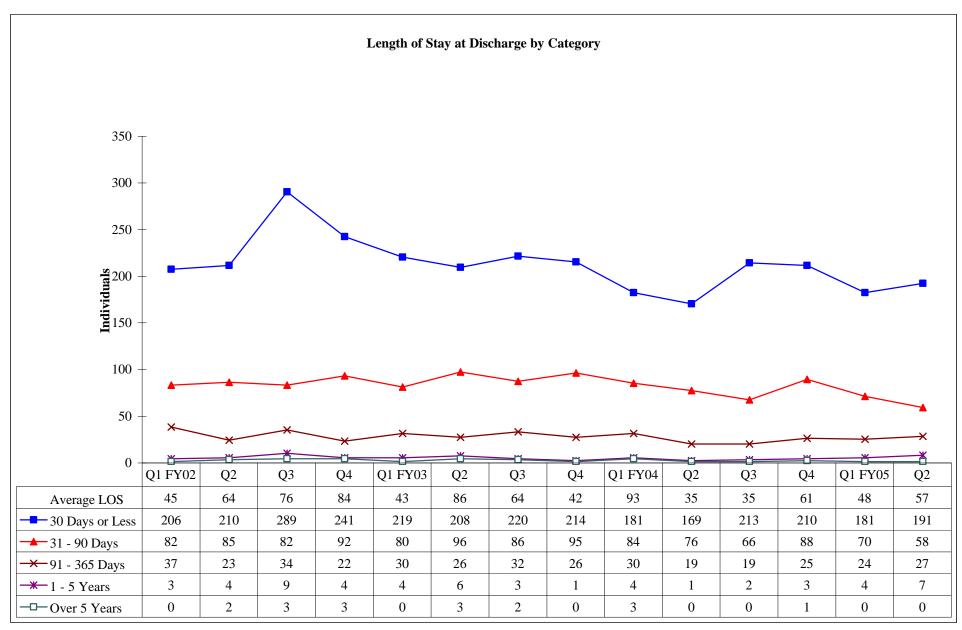
Measure 5C - Average Length of Stay at Discharge Austin State Hospital



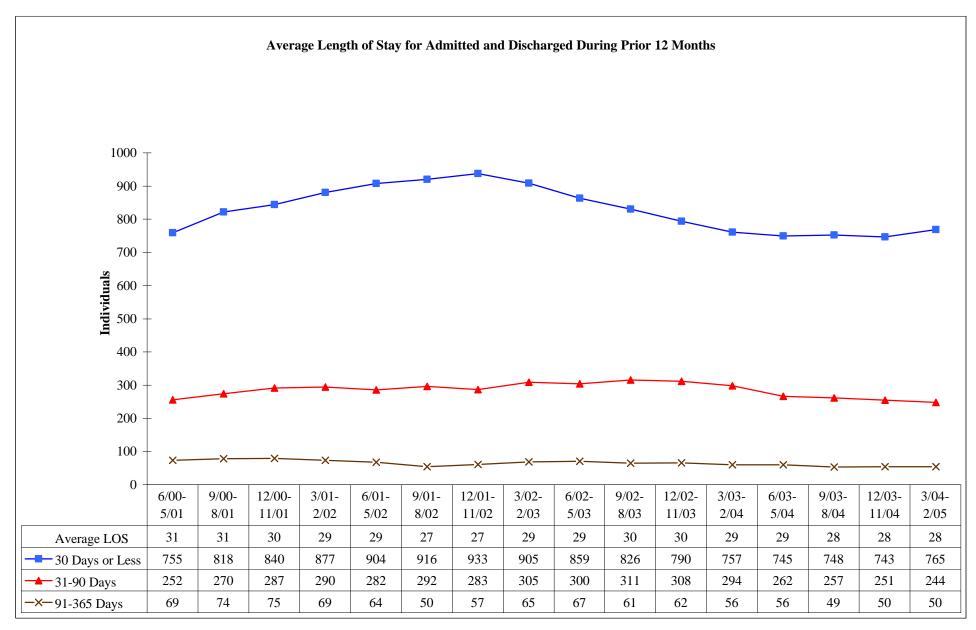
Measure 5C - Average Length of Stay at Discharge Austin State Hospital



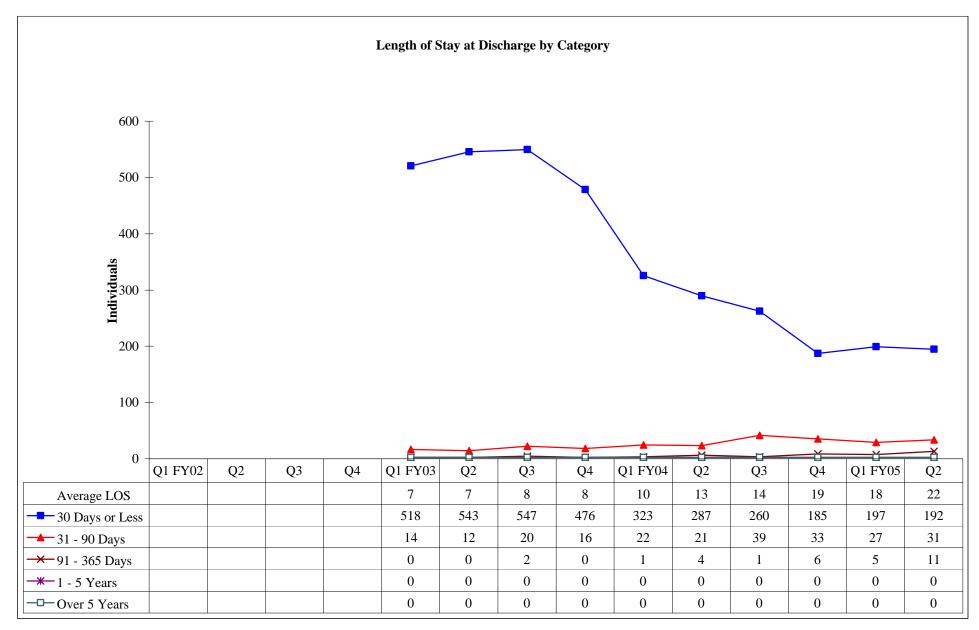
Measure 5C - Average Length of Stay at Discharge Big Spring State Hospital



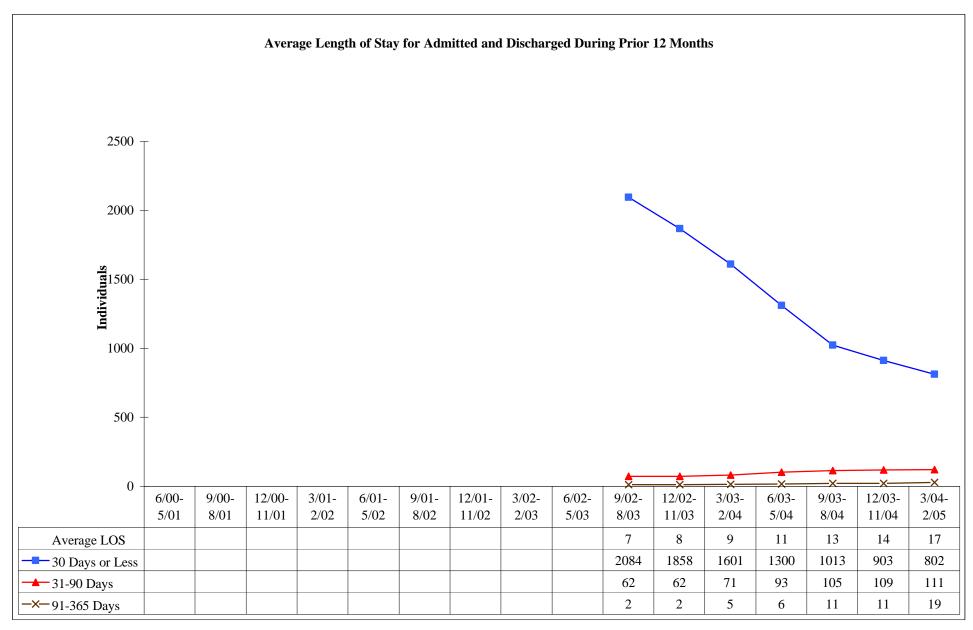
Measure 5C - Average Length of Stay at Discharge Big Spring State Hospital



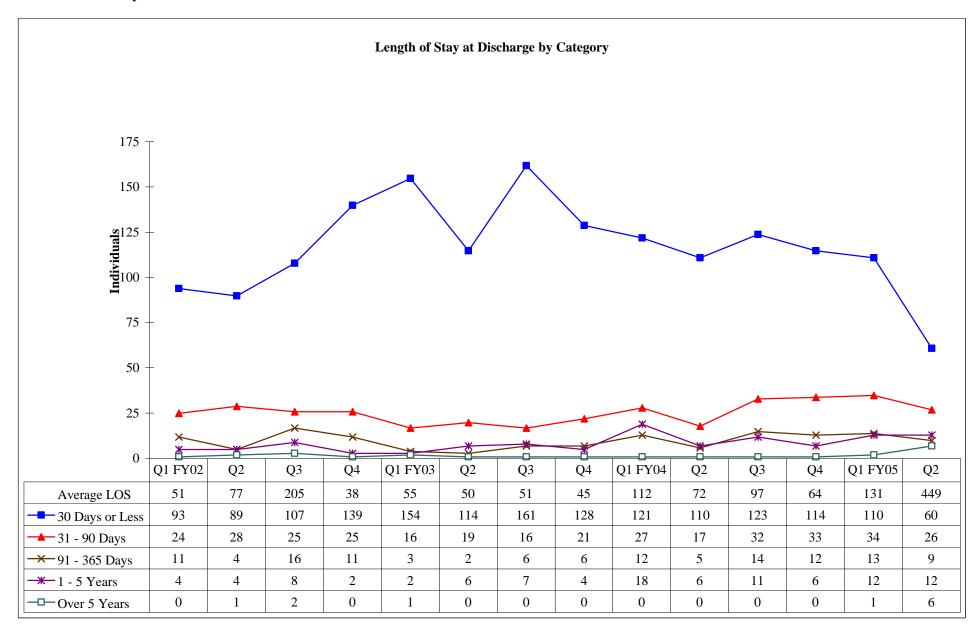
Measure 5C - Average Length of Stay at Discharge El Paso Psychiatric Center



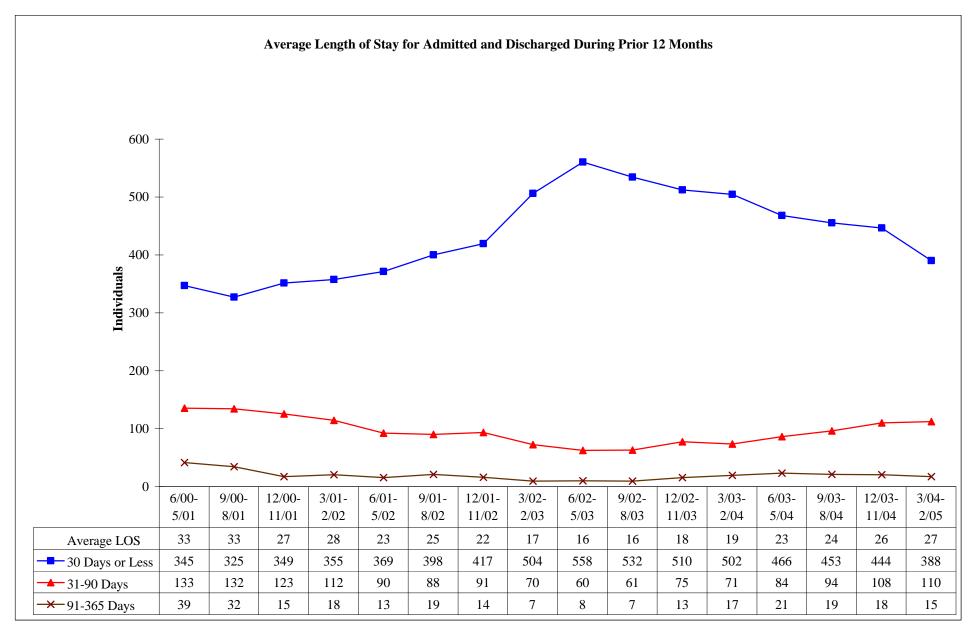
Measure 5C - Average Length of Stay at Discharge El Paso Psychiatric Center



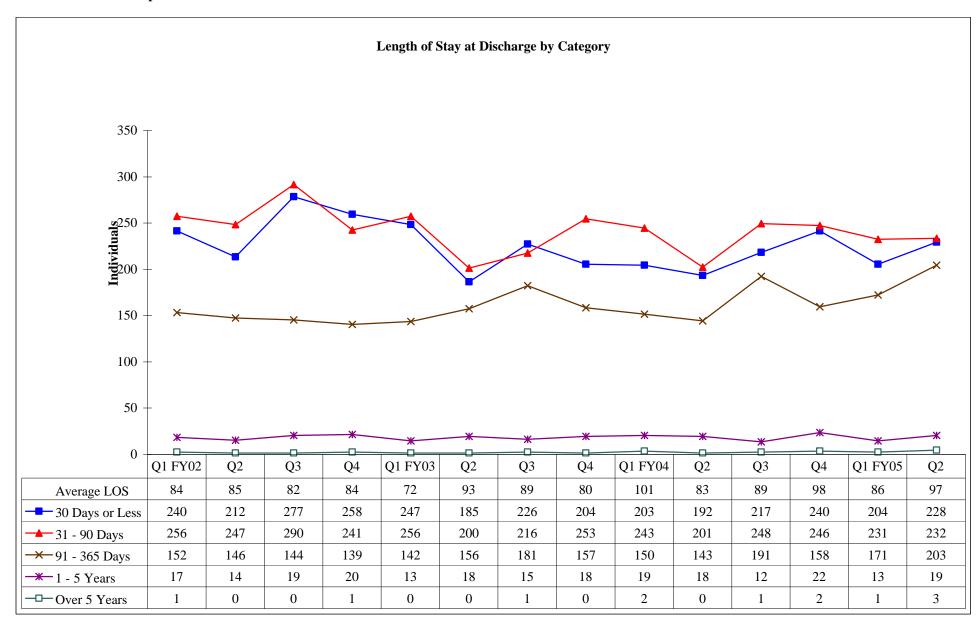
Measure 5C - Average Length of Stay at Discharge Kerrville State Hospital



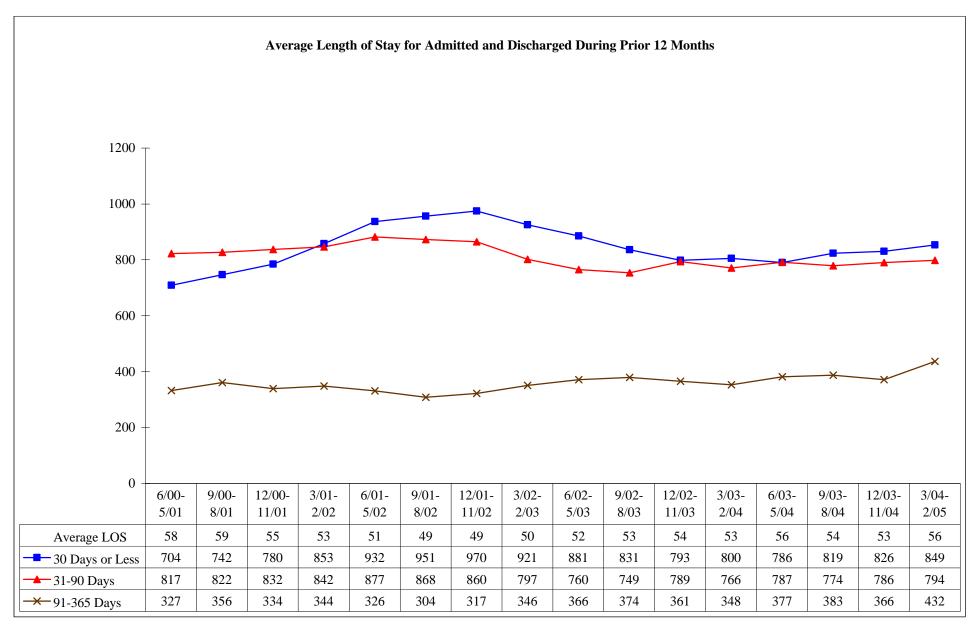
Measure 5C - Average Length of Stay at Discharge Kerrville State Hospital



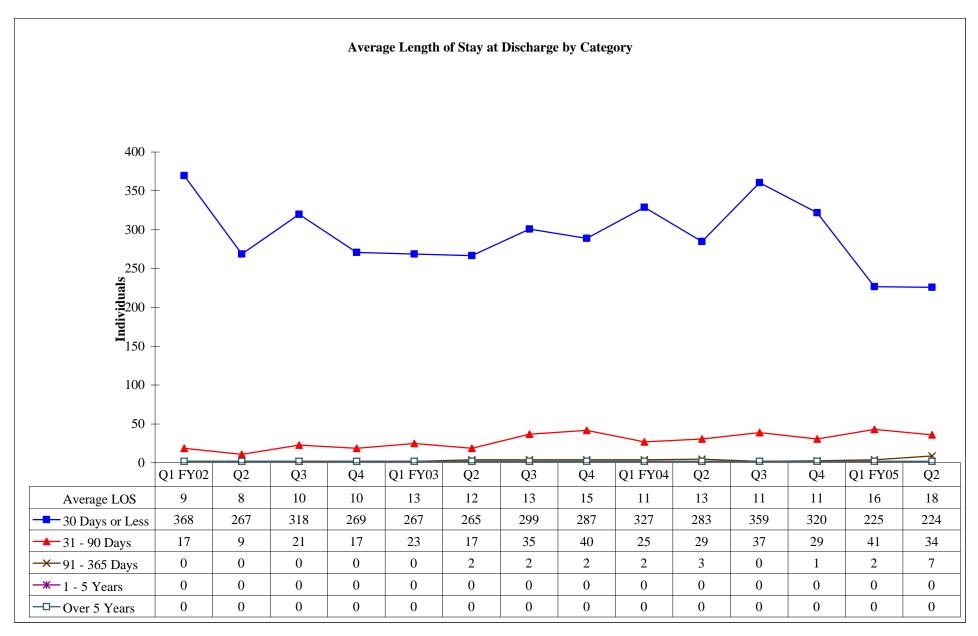
Measure 5C - Average Length of Stay at Discharge North Texas State Hospital



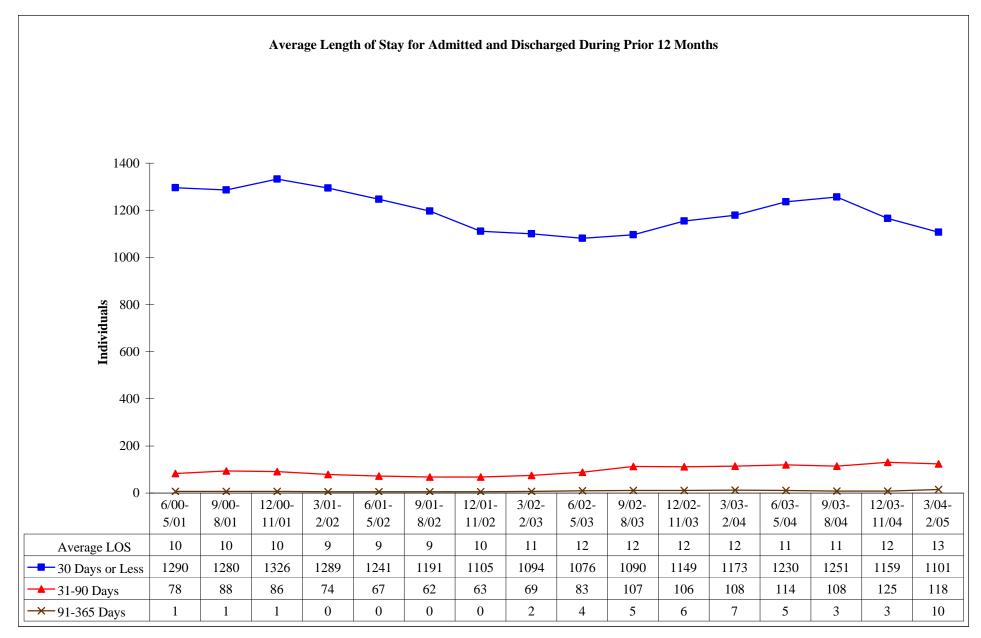
Measure 5C - Average Length of Stay at Discharge North Texas State Hospital



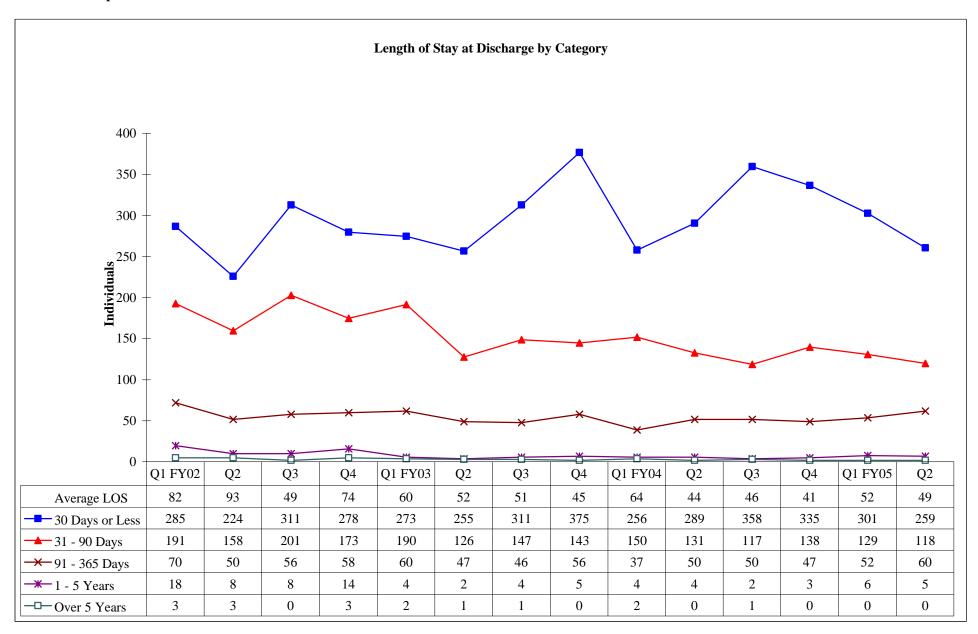
Measure 5C - Average Length of Stay at Discharge Rio Grande State Center



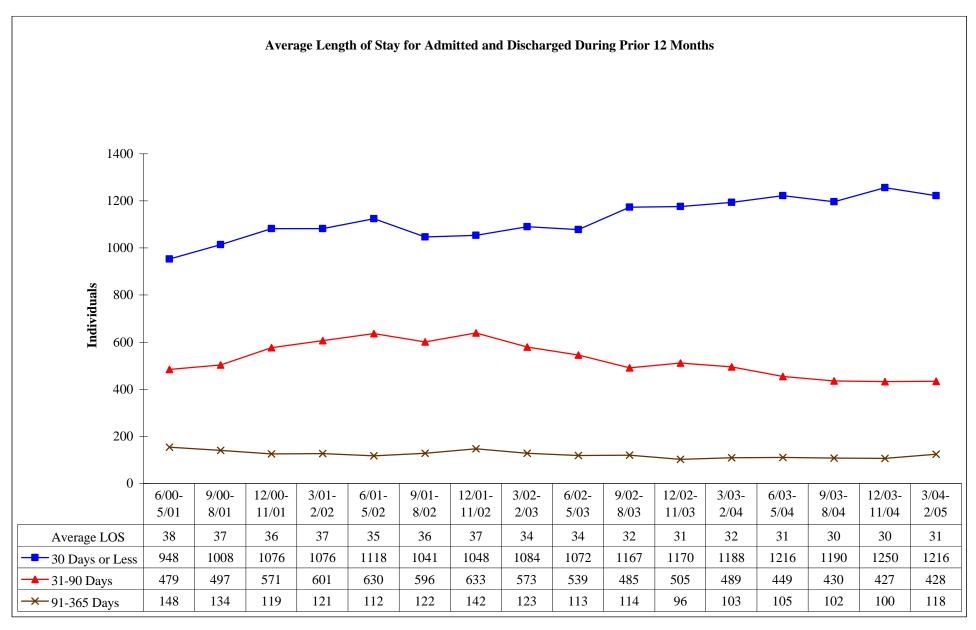
Measure 5C - Average Length of Stay at Discharge Rio Grande State Center



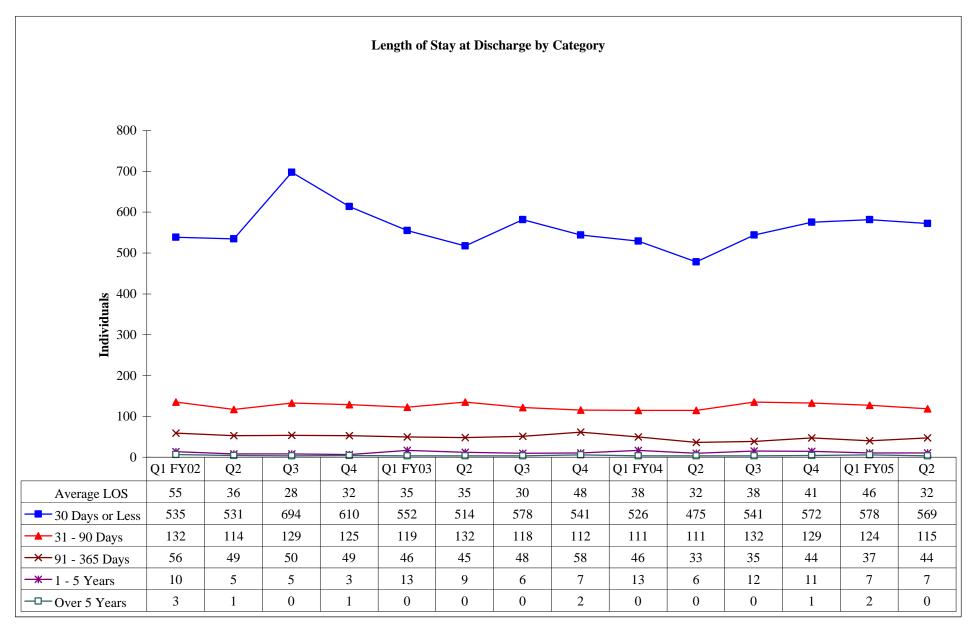
Measure 5C - Average Length of Stay at Discharge Rusk State Hospital



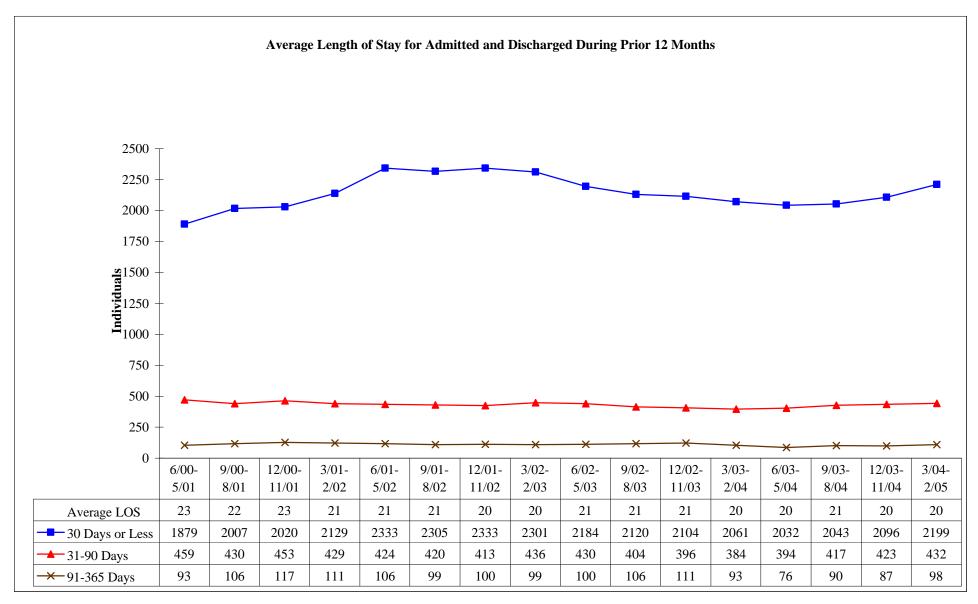
Measure 5C - Average Length of Stay at Discharge Rusk State Hospital



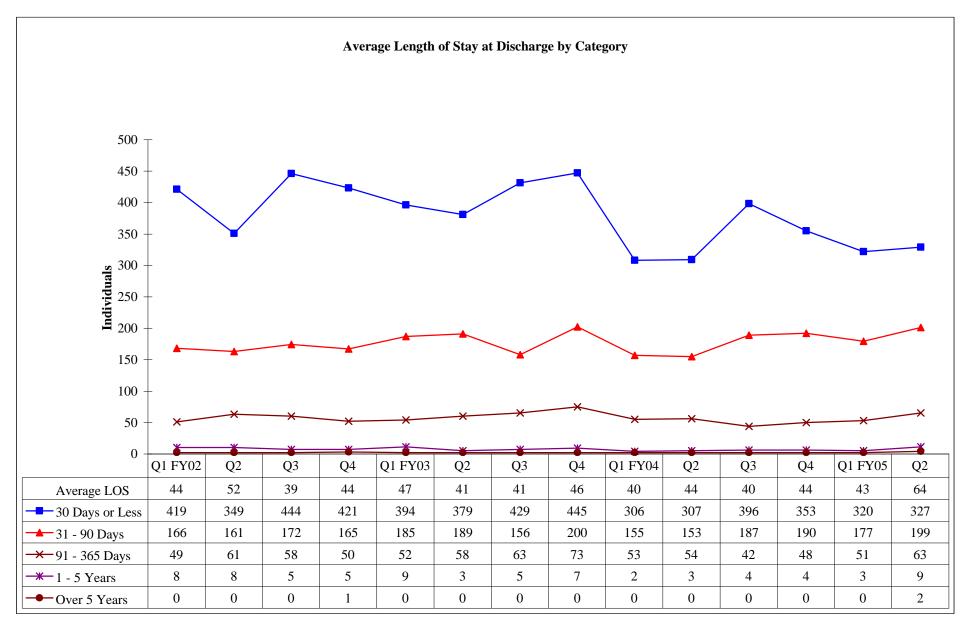
Measure 5C - Average Length of Stay at Discharge San Antonio State Hospital



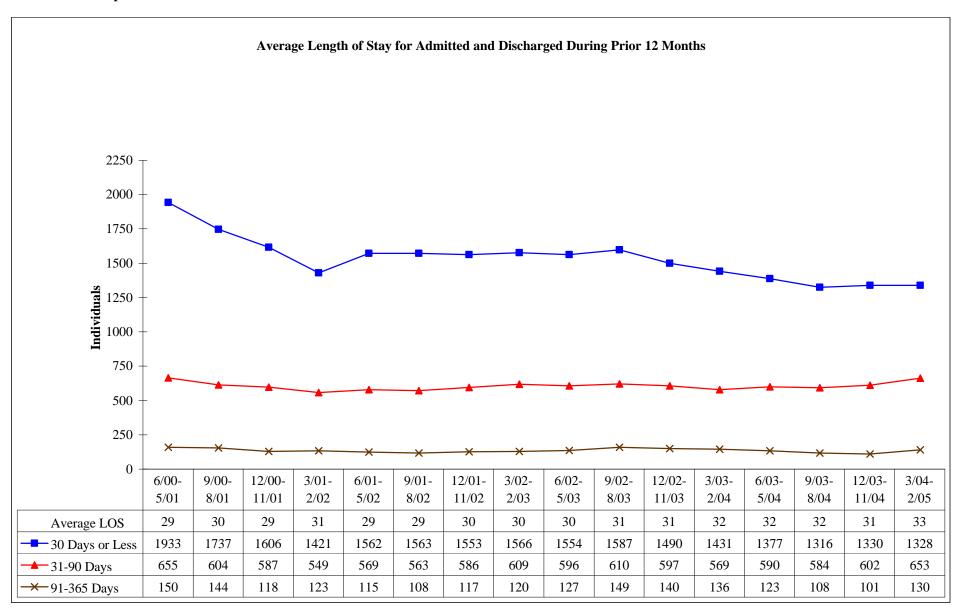
Measure 5C - Average Length of Stay at Discharge San Antonio State Hospital



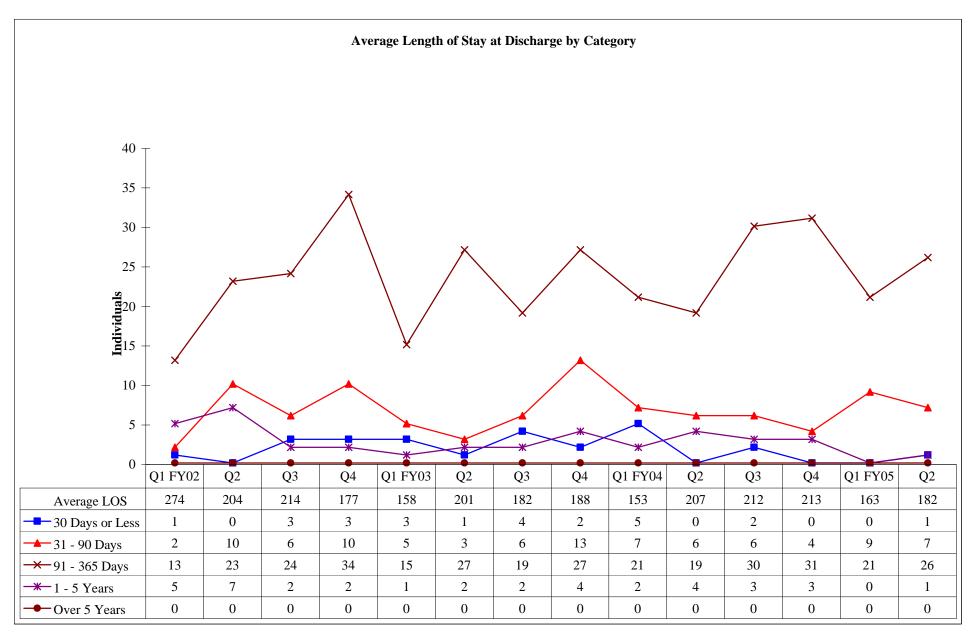
Measure 5C - Average Length of Stay at Discharge Terrell State Hospital



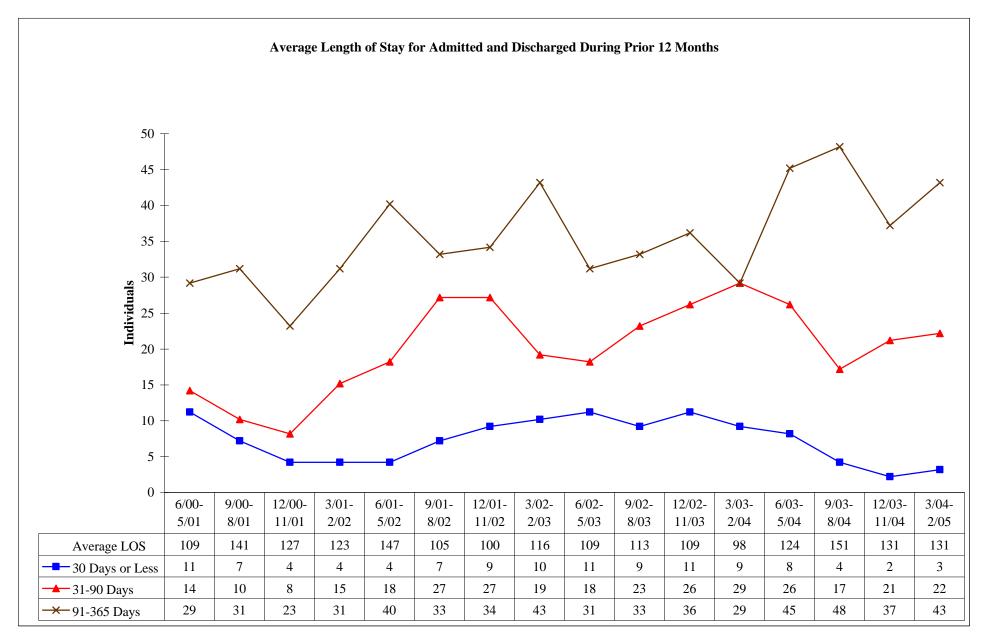
Measure 5C - Average Length of Stay at Discharge Terrell State Hospital



Measure 5C - Average Length of Stay at Discharge Waco Center for Youth



Measure 5C - Average Length of Stay at Discharge Waco Center for Youth



GOAL 6: Implement An Integrated Patient Safety Program

Performance Objective 6B:

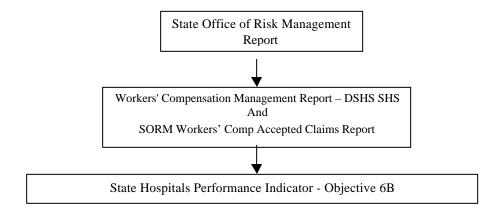
State hospitals will manage workers' compensation claim expenses so that an individual hospital total FY 2005 claims expense will be at or below the dollar target amount established for that hospital.

<u>Performance Objective Operational Definition:</u> Total workers compensation claim expenses filed for FY 2005 will not exceed the target amounts specified for each state hospital by System Risk Management.

Performance Objective Data Display and Chart Description:

- Chart with monthly data points of claim expenses with targets for individual state hospitals and system-wide.
- Chart with monthly data points of FYTD claim expenses with targets for individual state hospitals and system-wide.

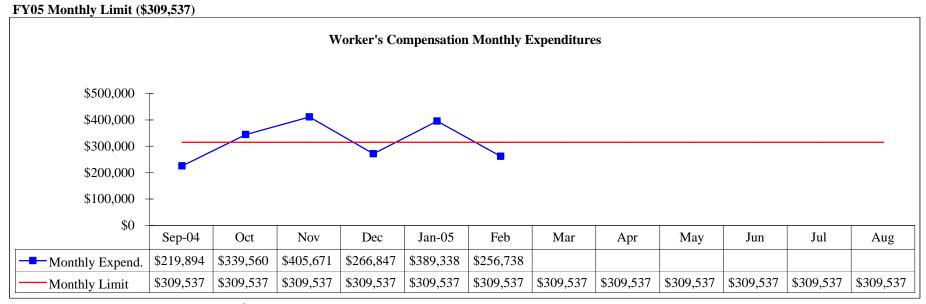
Data Flow:

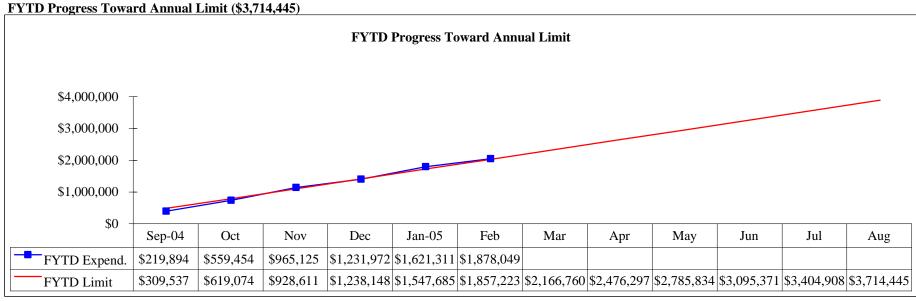


Data Integrity Review Process:

Not subject to DIR. This data is calculated and reported to DSHS Hospitals Section by the Office of the Attorney General.

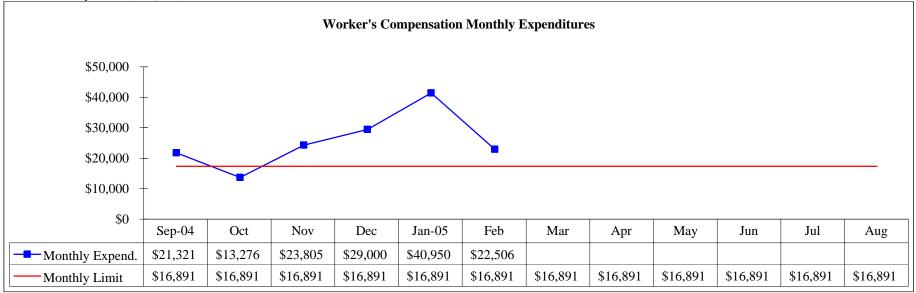
Objective 6B - Workers Compensation All MH Facilities



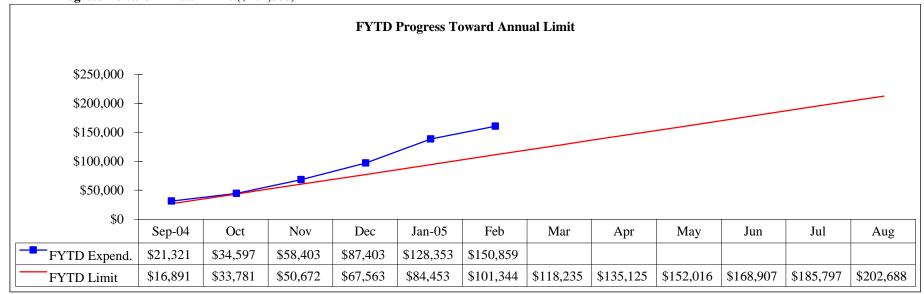


Objective 6B - Workers Compensation Austin State Hospital

FY05 Monthly Limit (\$16,891)

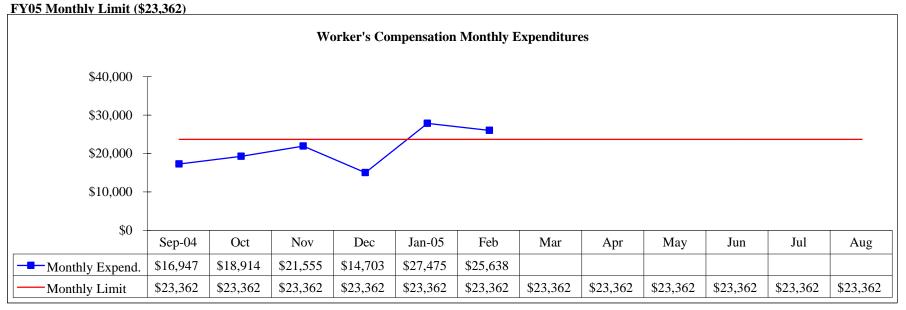


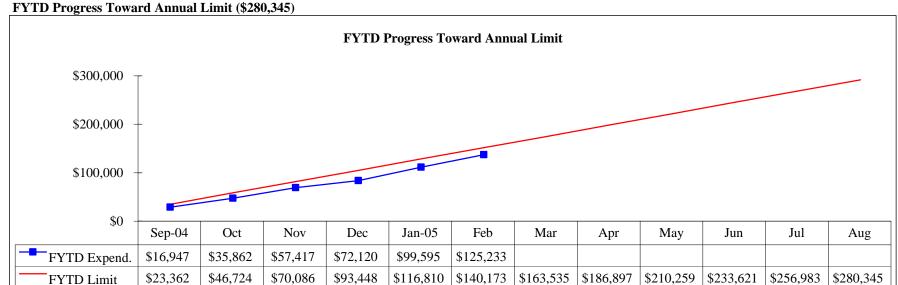
FYTD Progress Toward Annual Limit (\$202,688)



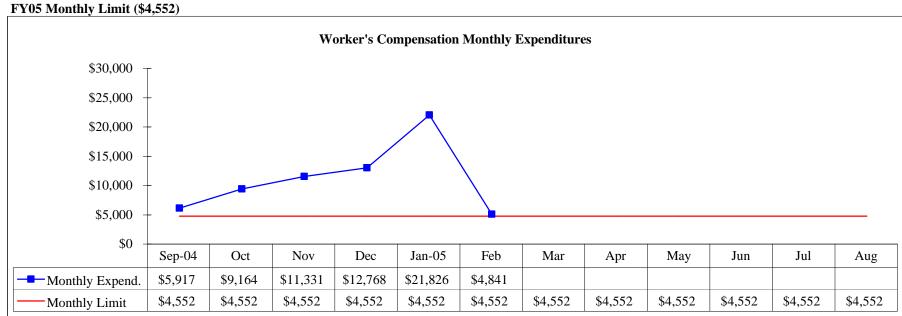
Objective 6B - Workers Compensation

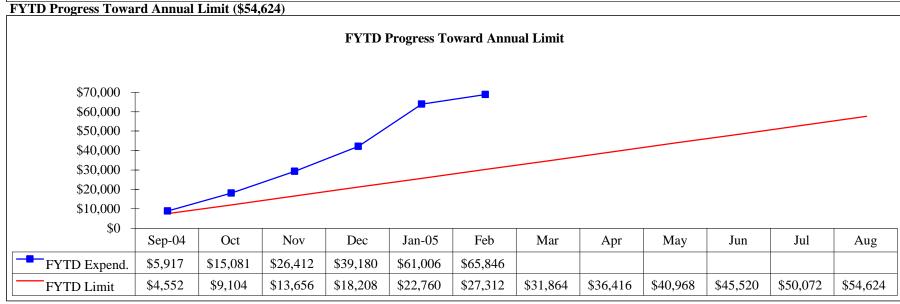
Big Spring State Hospital



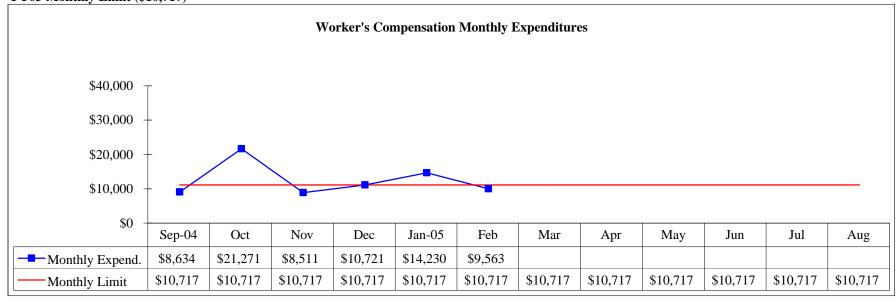


Objective 6B - Workers Compensation El Paso Psychiatric Center

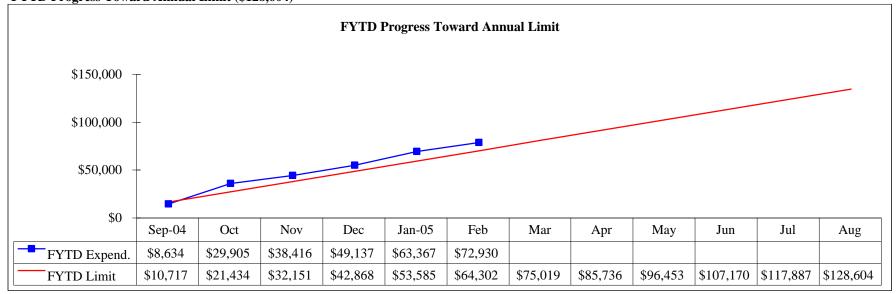




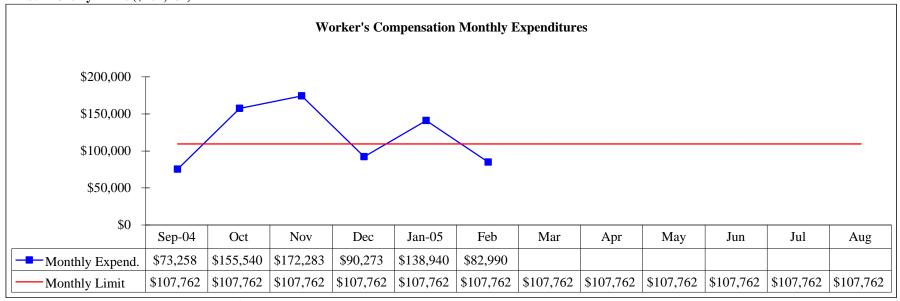
Objective 6B - Workers Compensation Kerrville State Hospital FY05 Monthly Limit (\$10,717)

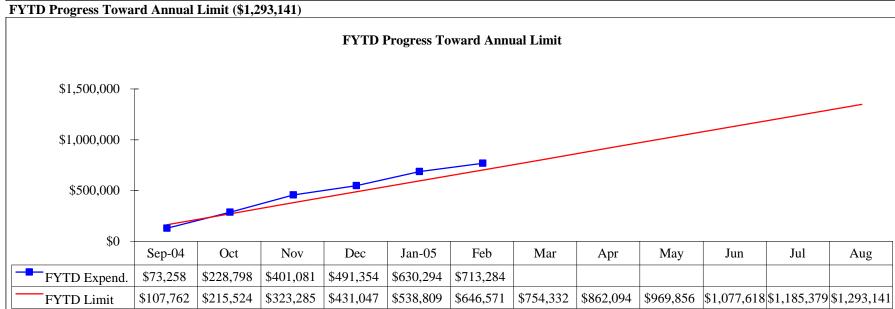






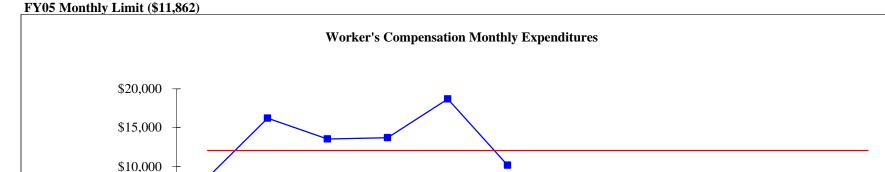
Objective 6B - Workers Compensation North Texas State Hospital FY05 Monthly Limit (\$107,762)



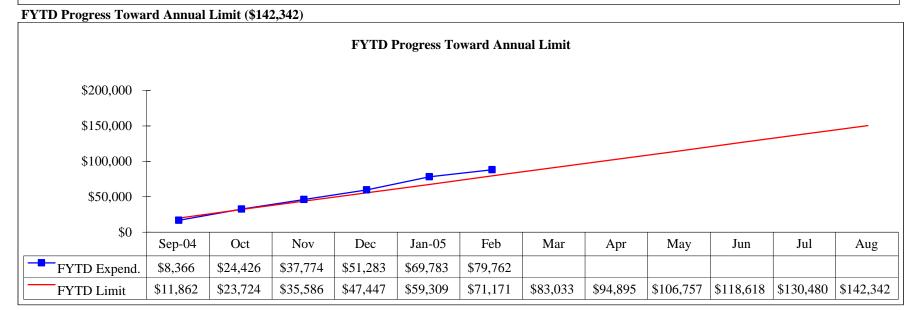


 ${\bf Objective~6B~-~Workers~Compensation}$

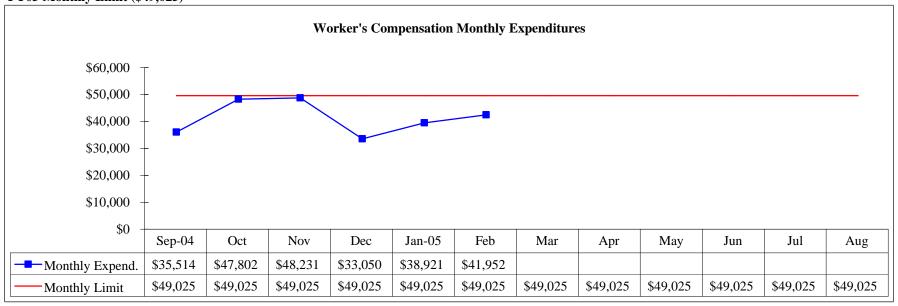
Rio Grande State Center



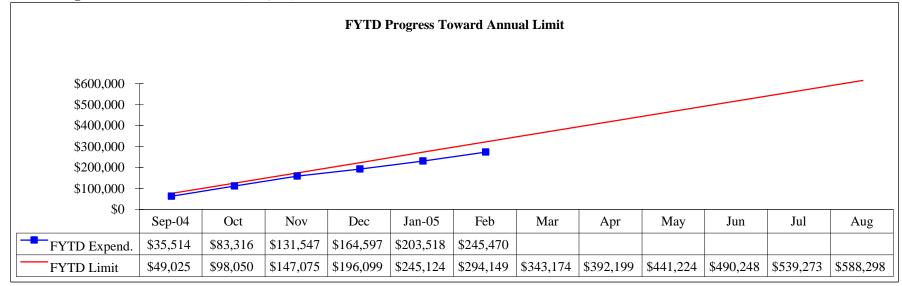




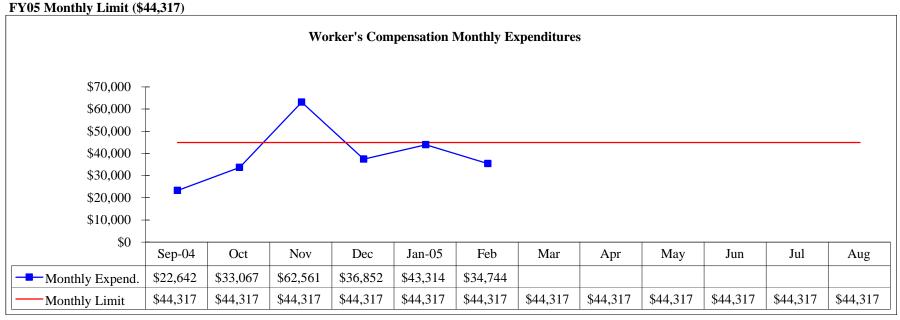
Objective 6B - Workers Compensation Rusk State Hospital FY05 Monthly Limit (\$49,025)

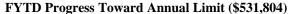


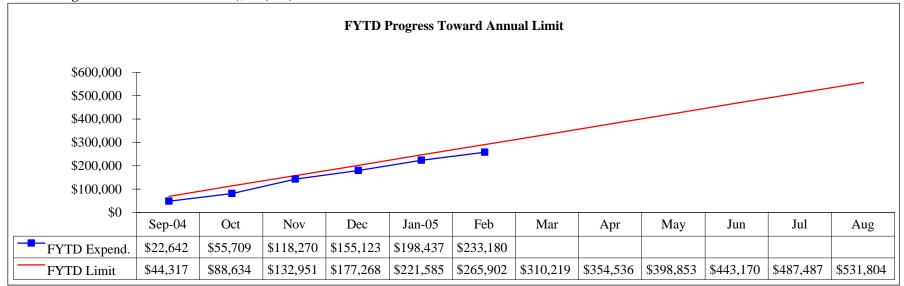
FYTD Progress Toward Annual Limit (\$588,298)



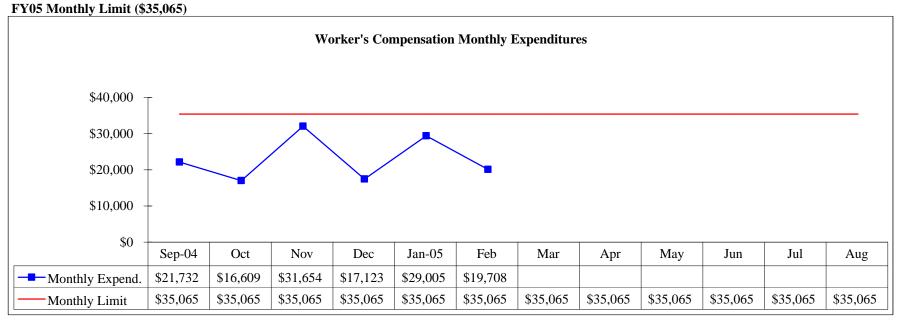
Objective 6B - Workers Compensation San Antonio State Hospital



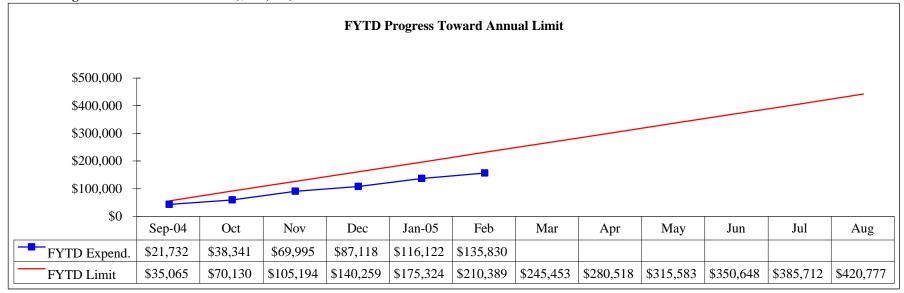




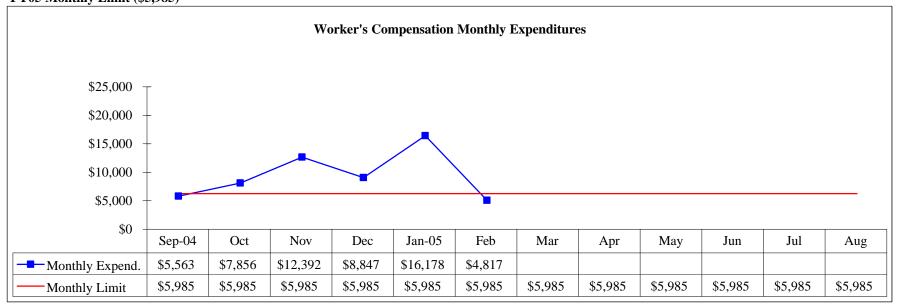
Objective 6B - Workers Compensation Terrell State Hospital



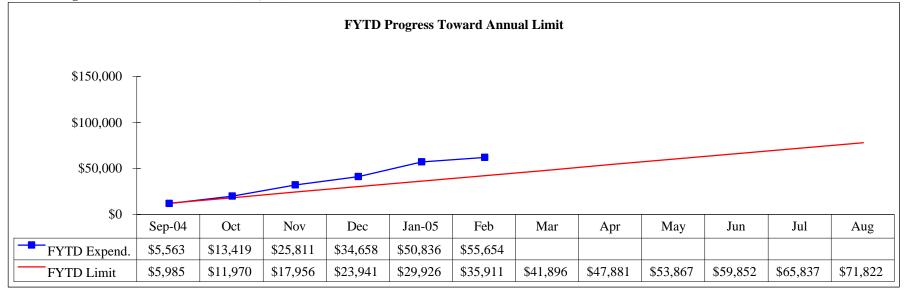
FYTD Progress Toward Annual Limit (\$420,777)



Objective 6B - Workers Compensation Waco Center for Youth FY05 Monthly Limit (\$5,985)



FYTD Progress Toward Annual Limit (\$71,822)



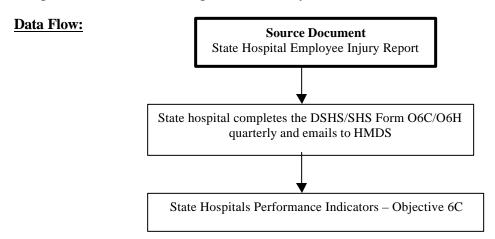
Performance Objective 6C:

Employee injuries resulting in a worker compensation claim will not exceed 1.11 per 1000 bed days.

<u>Performance Objective Operational Definition:</u> The state hospital rate of employee injuries resulting in a worker compensation claim filed.

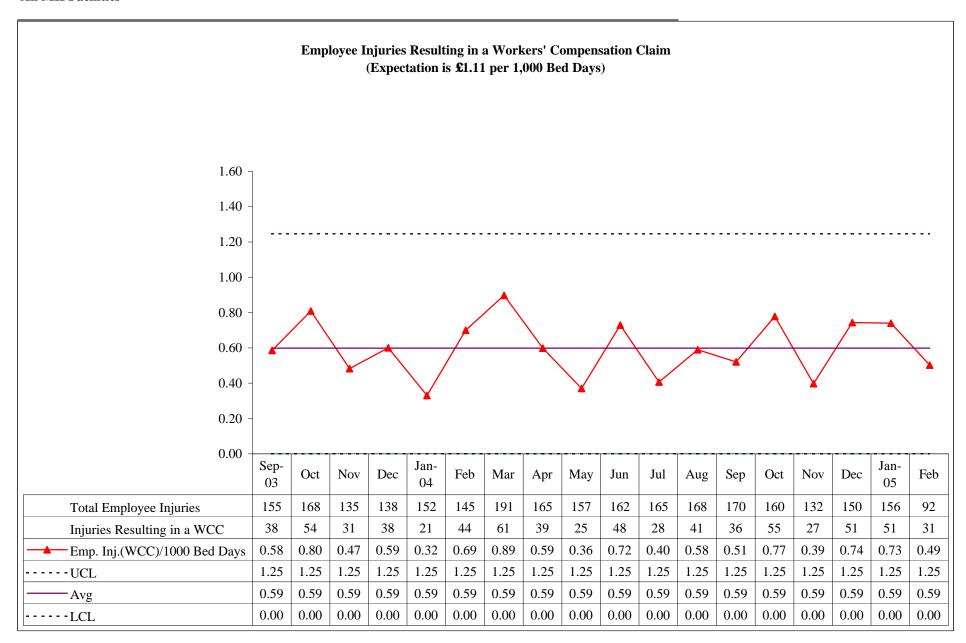
Performance Objective Data Display and Chart Description:

Chart with monthly data points showing total employee injuries, injuries resulting in a workers compensation claim and rate per1000 bed days.

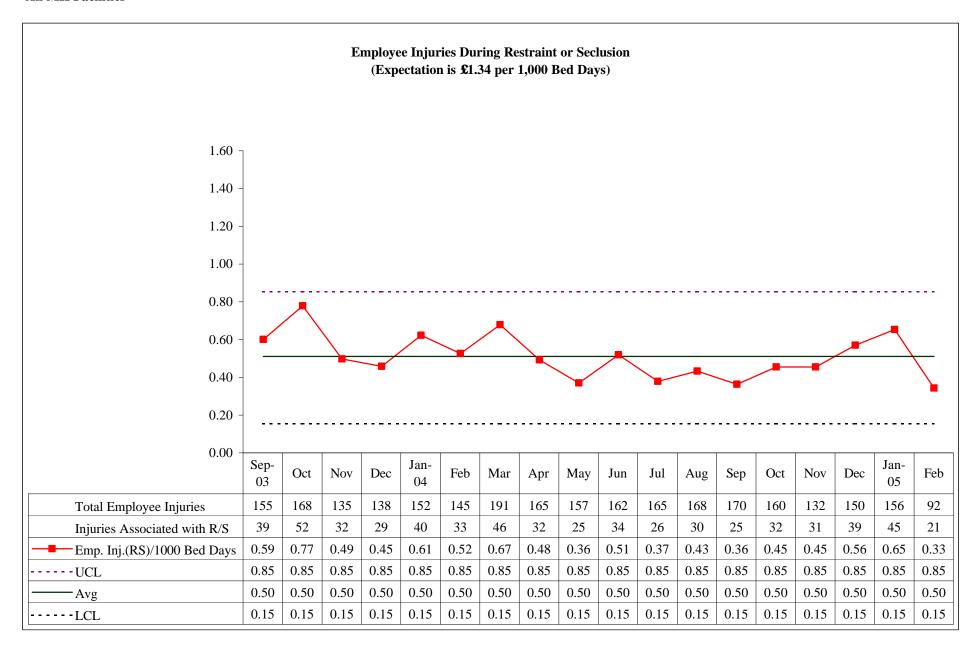


Data Integrity Review Process:

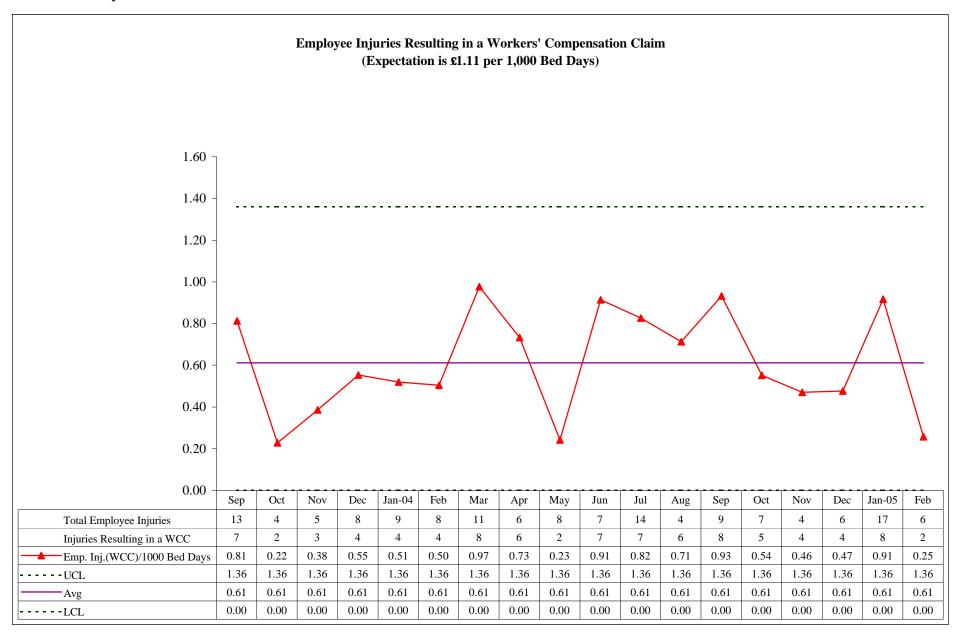
Not subject to DIR. This data is calculated and reported to DSHS-Hospitals Section by the Office of the Attorney General.



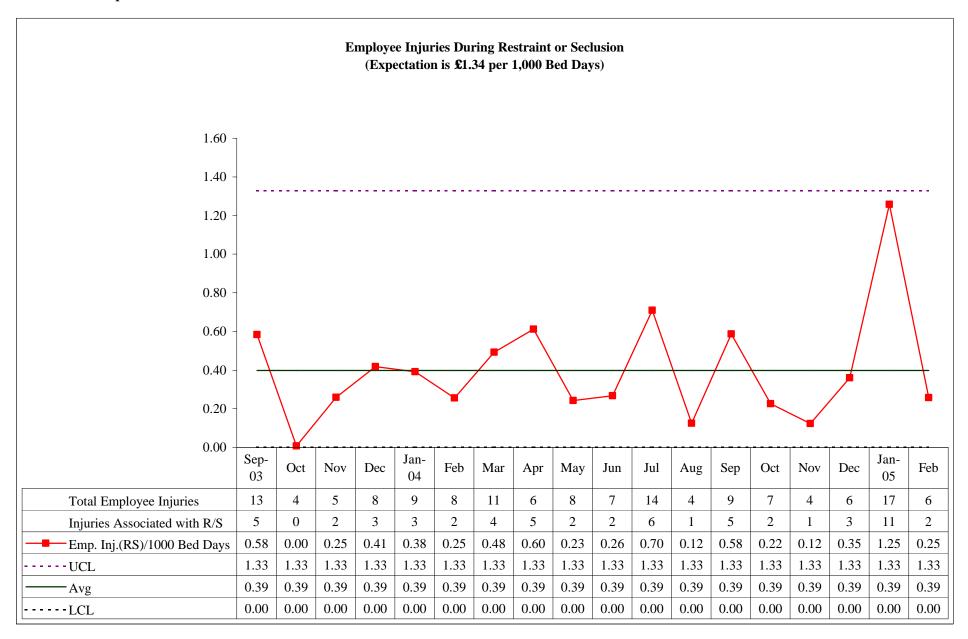
Objective 6C & 6H - Employee Injuries All MH Facilities



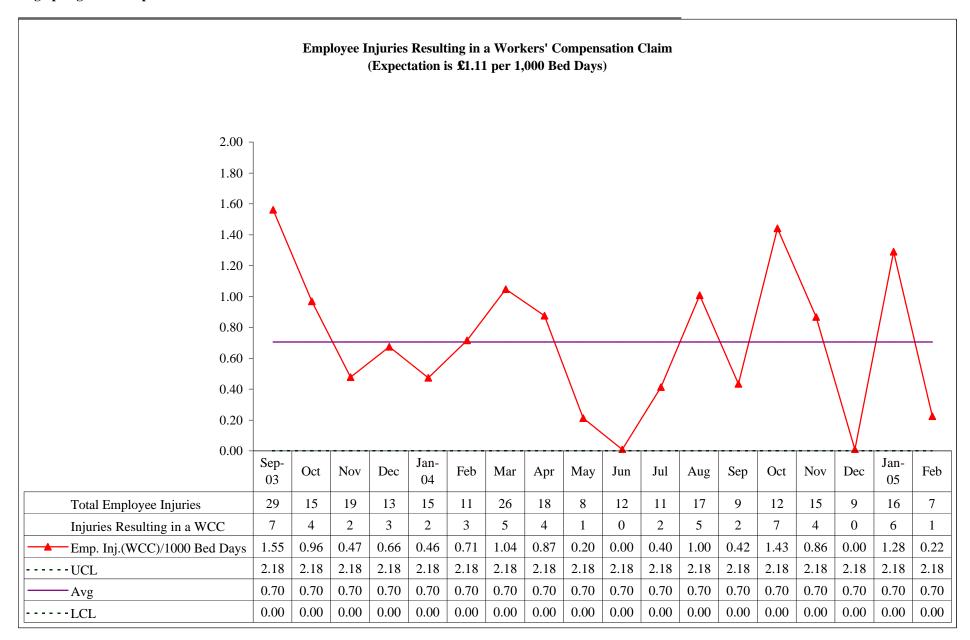
Objective 6C & 6H - Employee Injuries Austin State Hospital



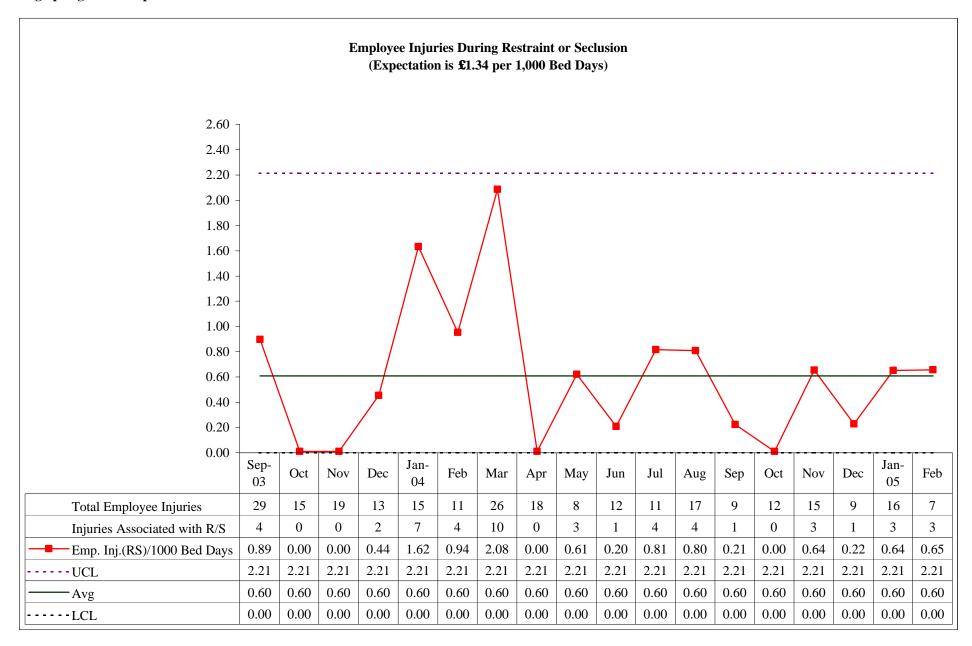
Objective 6C & 6H - Employee Injuries Austin State Hospital



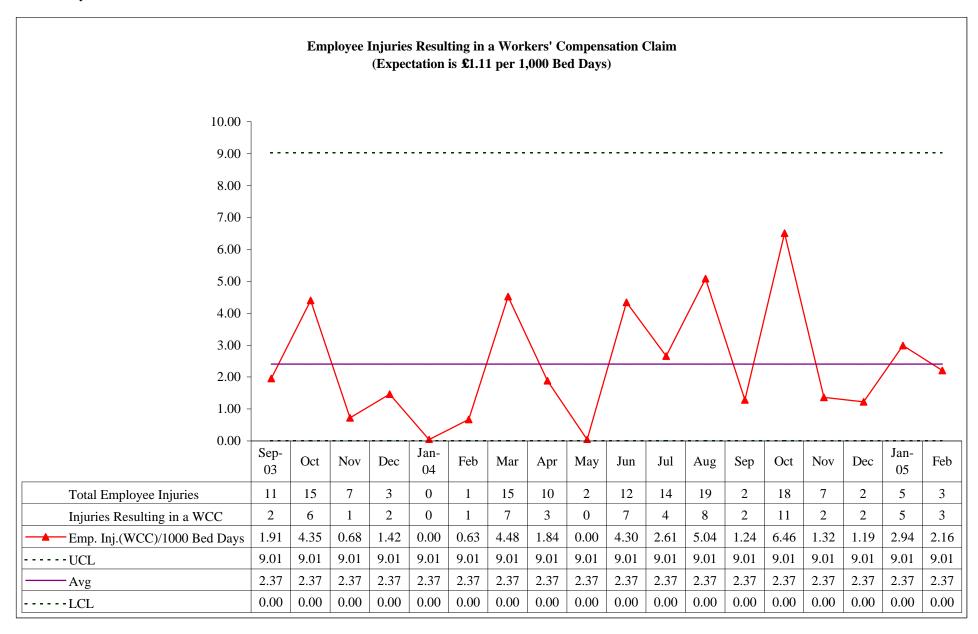
Objective 6C & 6H - Employee Injuries Big Spring State Hospital



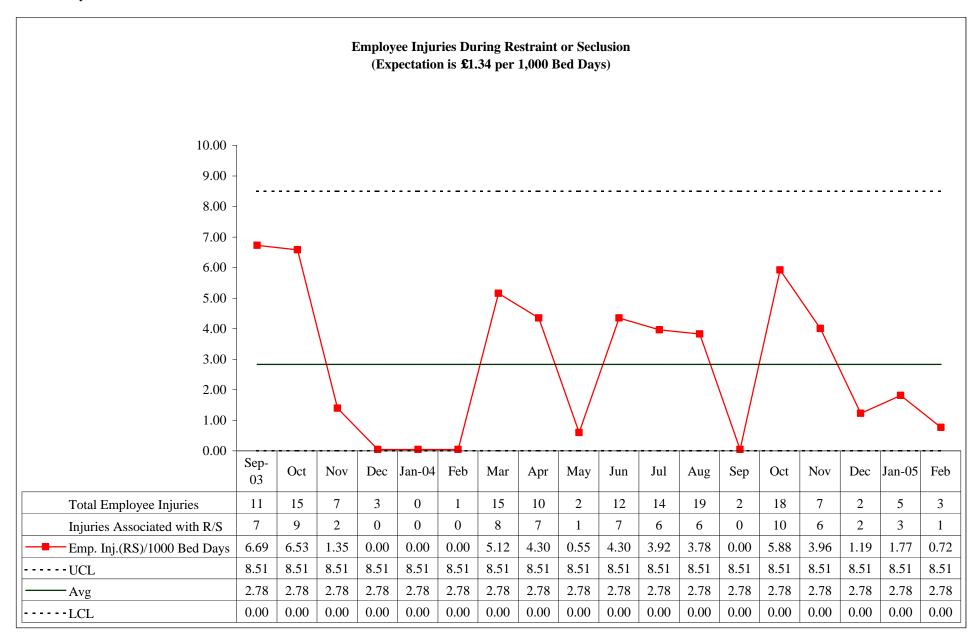
Objective 6C & 6H - Employee Injuries Big Spring State Hospital



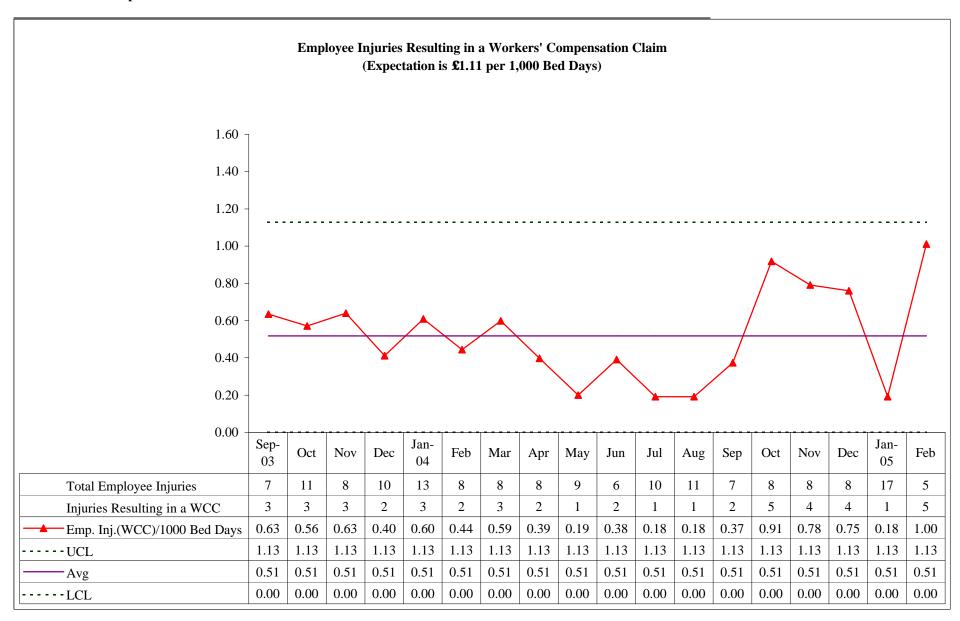
Objective 6C & 6H - Employee Injuries El Paso Psychiatric Center



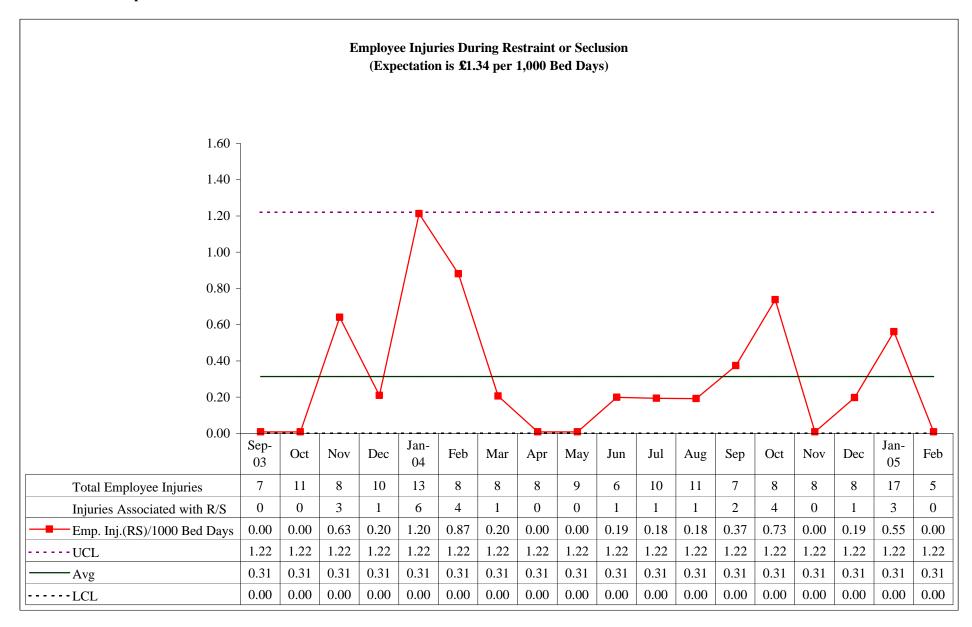
Objective 6C & 6H - Employee Injuries El Paso Psychiatric Center



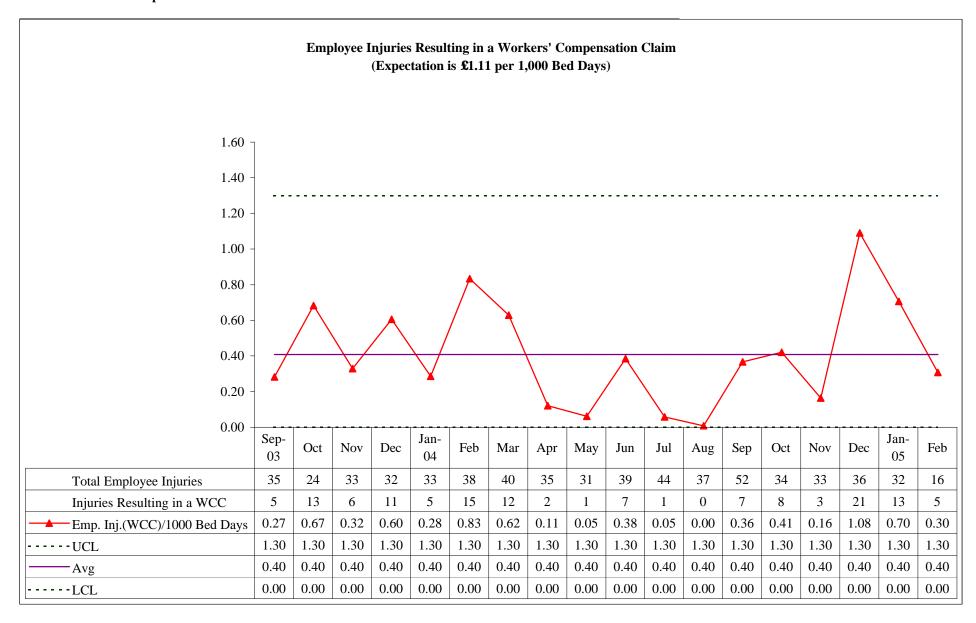
Objective 6C & 6H - Employee Injuries Kerrville State Hospital



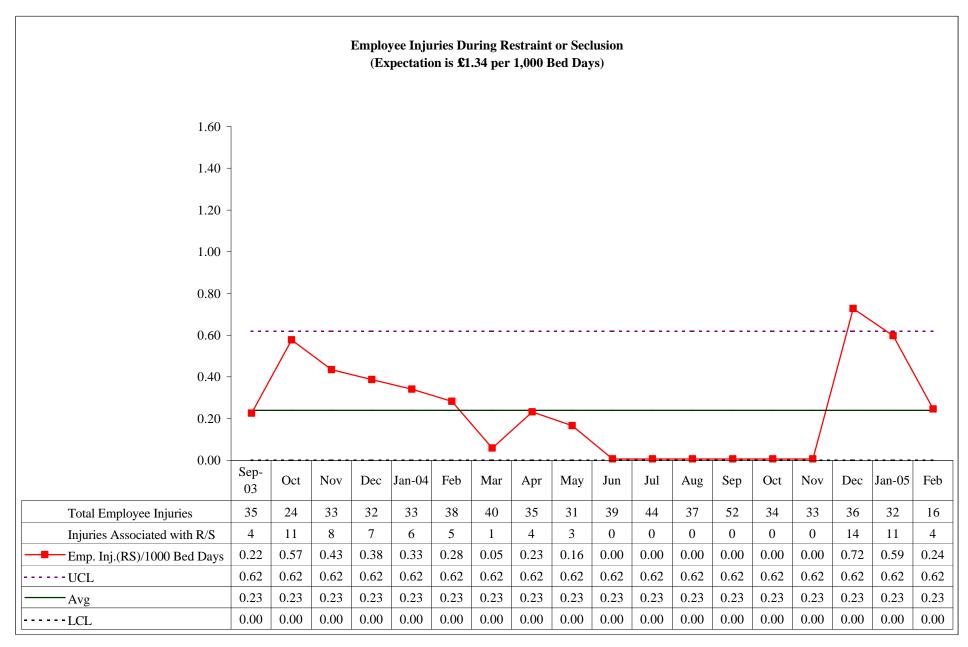
Objective 6C & 6H - Employee Injuries Kerrville State Hospital

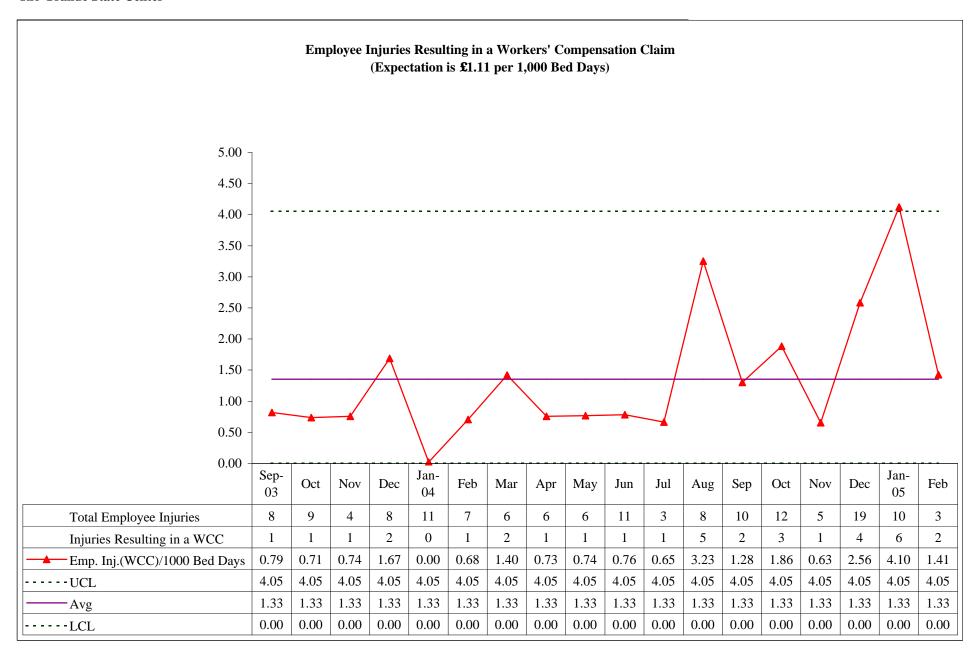


Objective 6C & 6H - Employee Injuries North Texas State Hospital

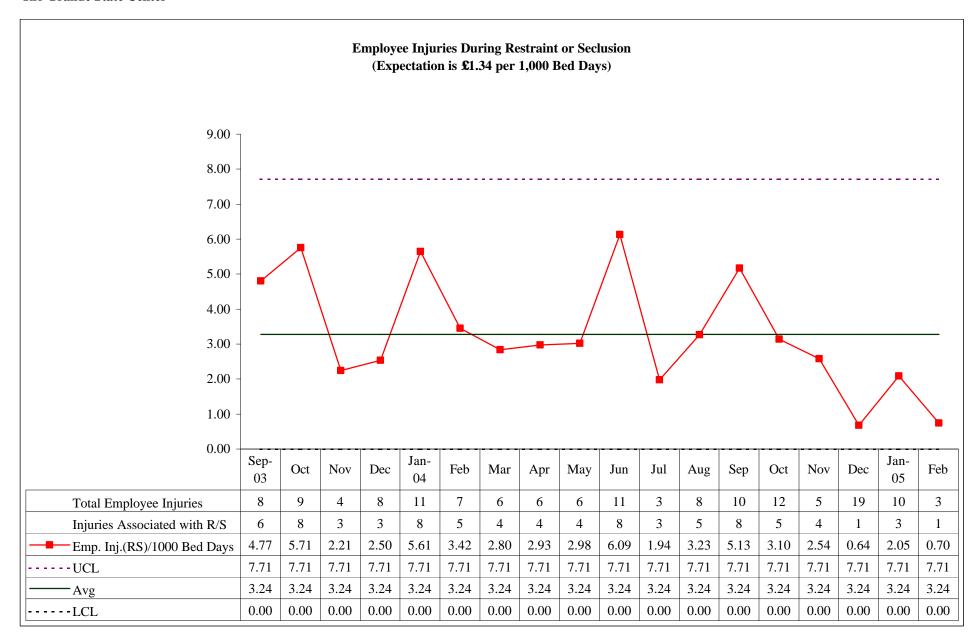


Objective 6C & 6H - Employee Injuries North Texas State Hospital

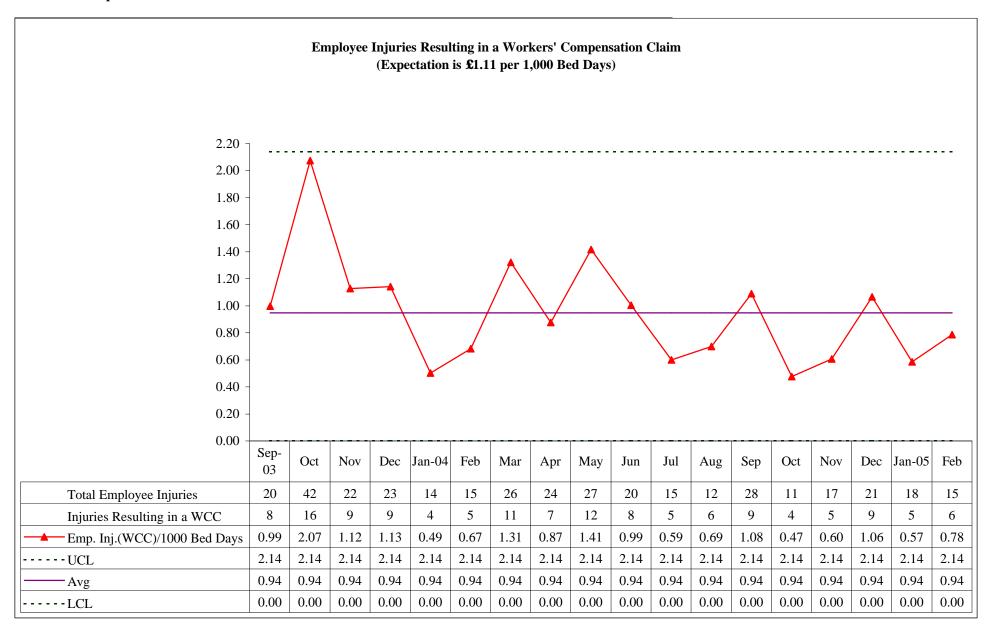




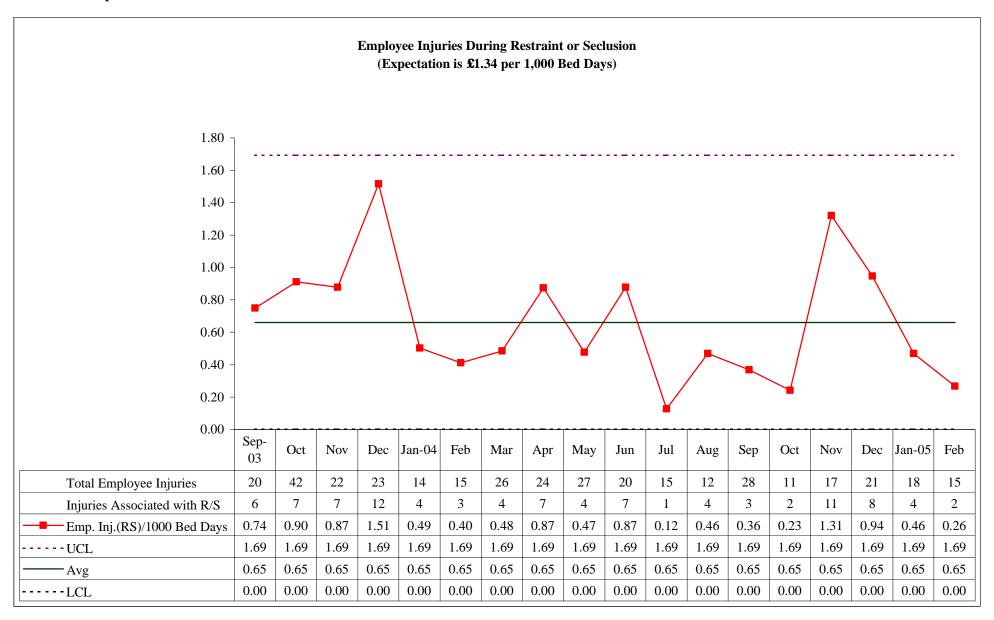
Objective 6C & 6H - Employee Injuries Rio Grande State Center



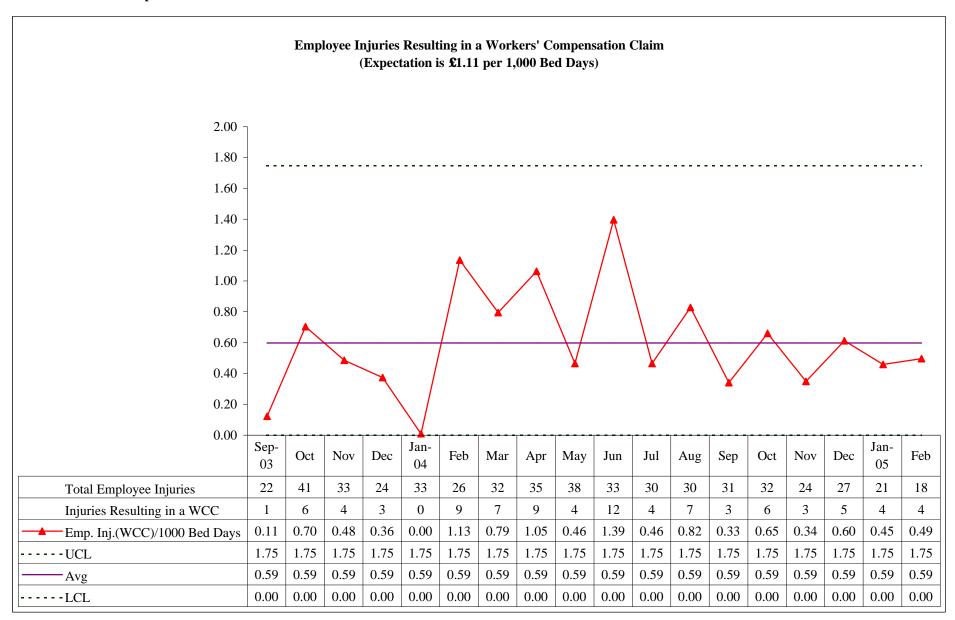
Objective 6C & 6H - Employee Injuries Rusk State Hospital



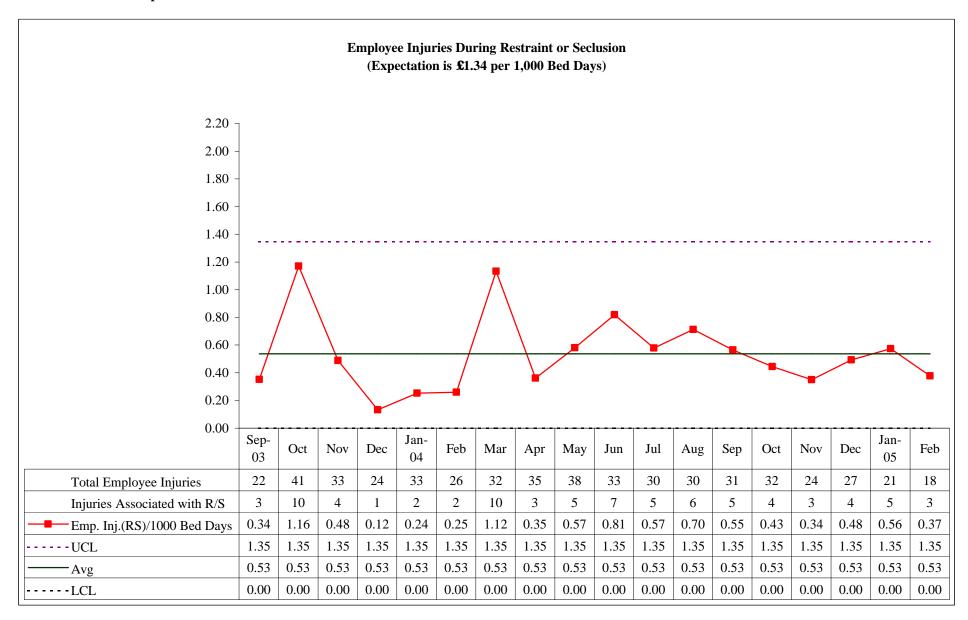
Objective 6C & 6H - Employee Injuries Rusk State Hospital



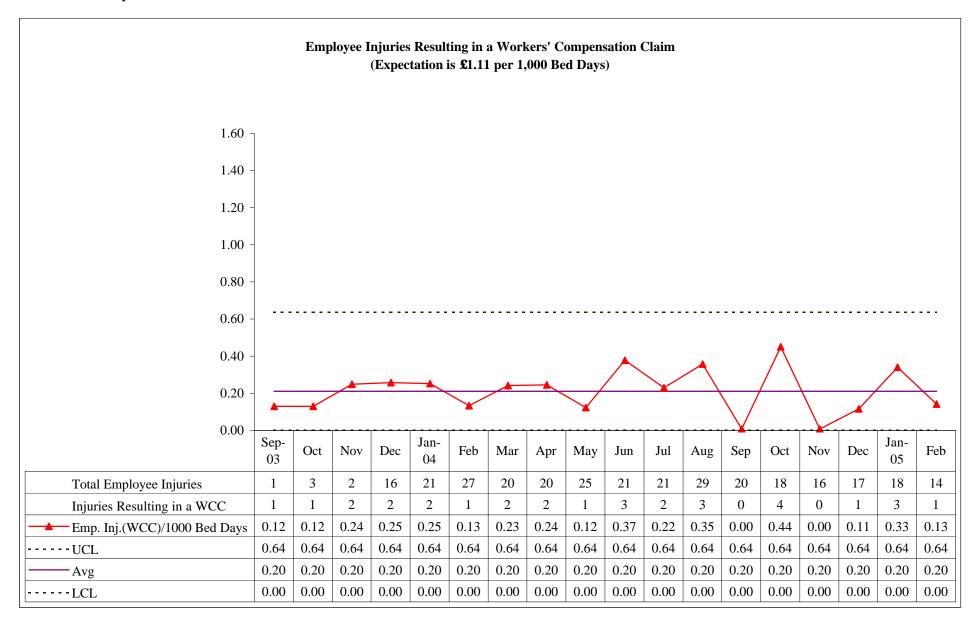
Objective 6C & 6H - Employee Injuries San Antonio State Hospital



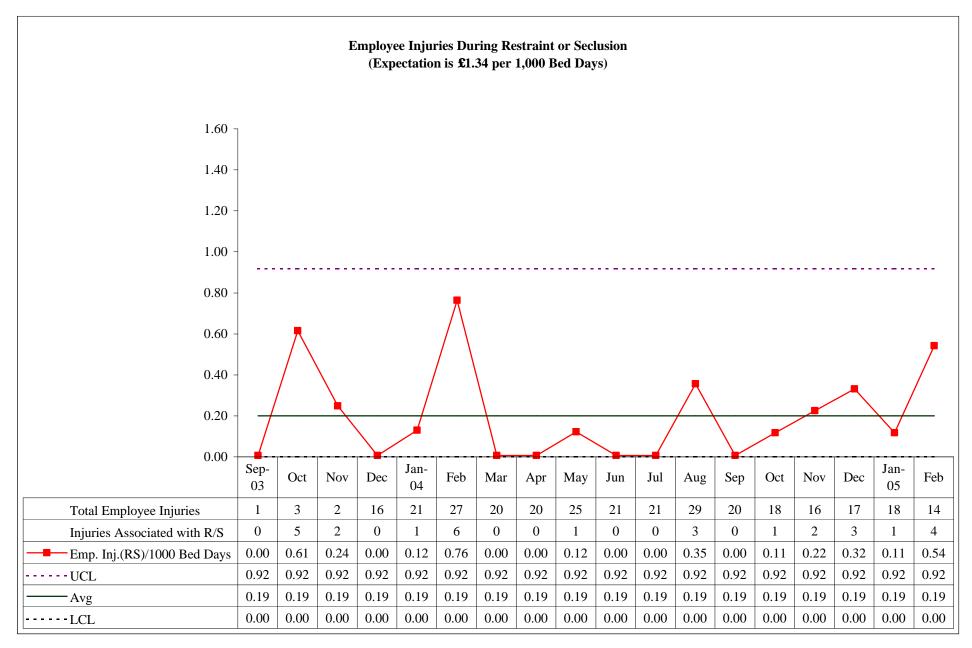
Objective 6C & 6H - Employee Injuries San Antonio State Hospital



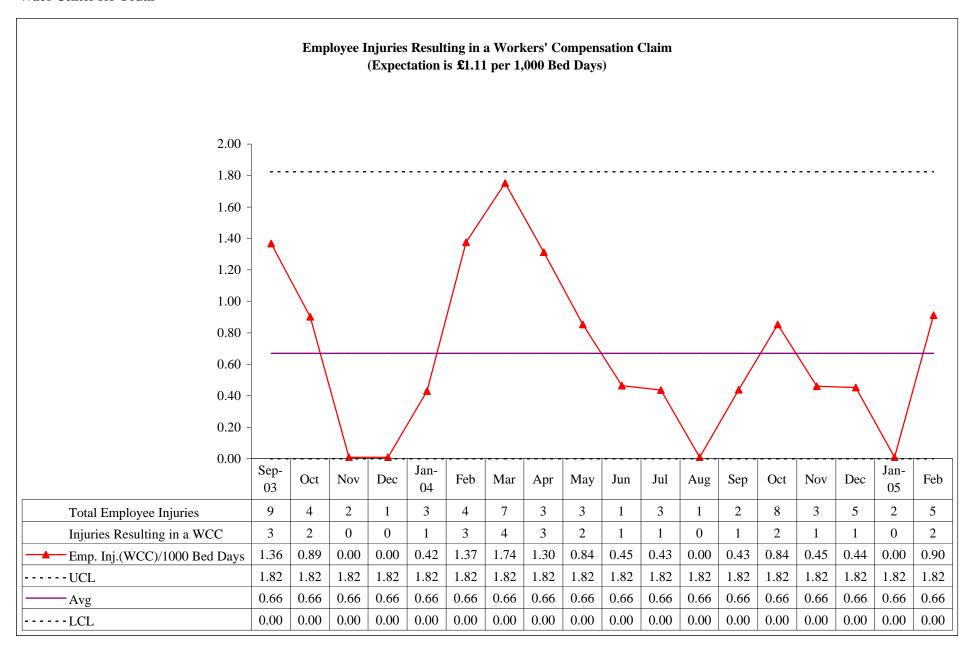
Objective 6C & 6H - Employee Injuries Terrell State Hospital



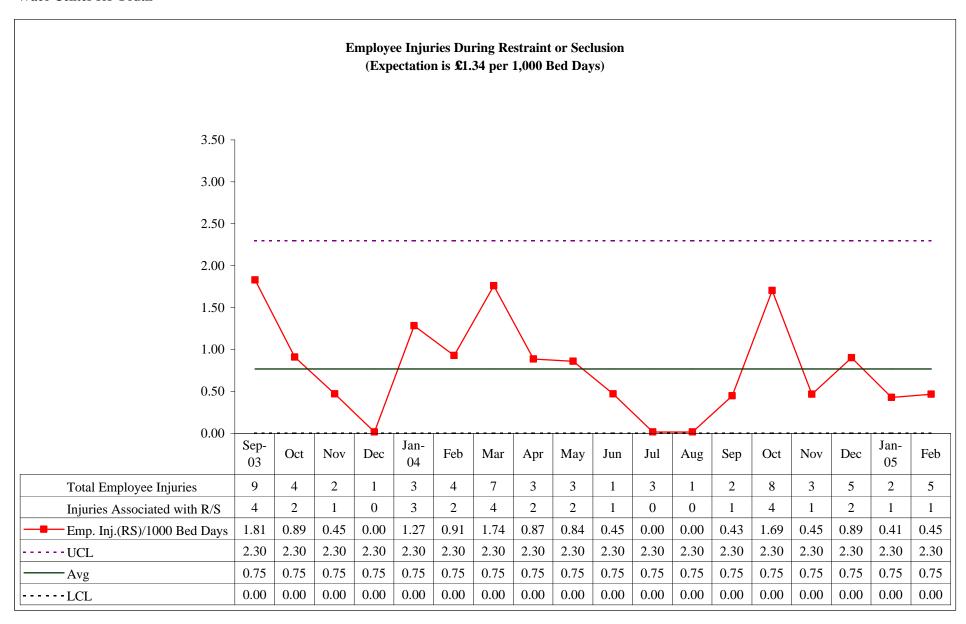
Objective 6C & 6H - Employee Injuries Terrell State Hospital



Objective 6C & 6H - Employee Injuries Waco Center for Youth



Objective 6C & 6H - Employee Injuries Waco Center for Youth



Performance Objective 6F:

Rate of patient injuries will be calculated, trended and reviewed for quality improvement opportunities. Injuries will be reported by age categories as follows: Ages 0-17; 18-64; and 65-older.

<u>Performance Objective Operational Definition:</u> The state hospital rate of patient injuries documented on the Client Injury Assessment per FY quarter.

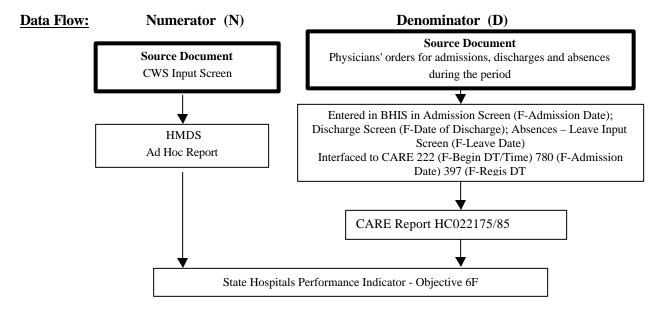
Number of injuries incurred by age group category per FY quarter (age will be calculated at the beginning of the reporting period).

Performance Objective Formula: $R = (N/D) \times 1000$

R = rate of injuries per 1000 bed days per FY quarter
N = number of injuries D = number of bed days per FY quarter
1000 = bed day rate multiplier

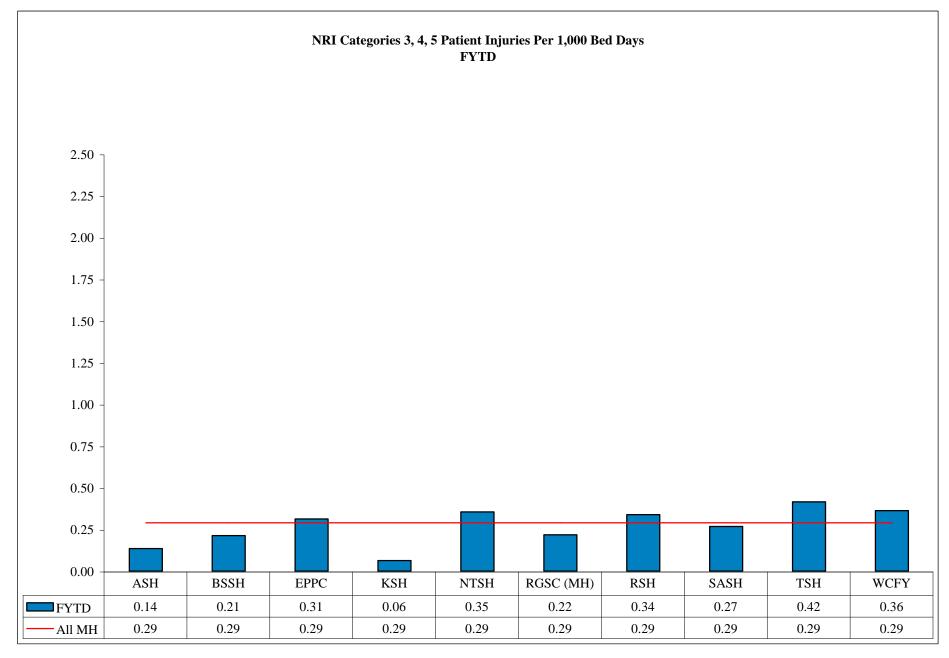
Performance Objective Data Display and Chart Description:

- ◆ Table shows number of injuries by probable cause and rate (per 1000 bed days) of injuries by treatment for individual state hospitals and system-wide.
- ♦ Bar chart with fiscal year to date of total NRI Categories 3,4 and 5 injuries per 1000 bed days for individual state hospitals and system-wide.
- ◆ Table showing number of injuries by age category per quarter.



Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time of injury and type.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review	Verification of the admission and discharge data fields of the NRI episode files and leave
Process	event start/stop dates and injury event date and type data field as compared to the
	corresponding information in the medical record.
Sample Size	Use 15 randomly selected patient records for the most recently reported NRI PMS
	quarterly episode file data to review only associated injury events.



Objective 6F - Patient Injuries All MH Facilities

	·																							$\overline{}$			
	Q1 FY05							Q2										Q3		FY05 - FYTD							
		No	First	Med	Hospital	-	*		No	First	Med	Iospital	-	*		No	First	Med	Hospital-	*		No	First	Med	lospital-		*
Facility	N/A	Tx	Aid	Tx	ization	Fatal	Total	N/A	Tx	Aid	Tx	ization	Fatal	Total	N/A	Tx	Aid	Tx	ization Fatal	Total	N/A	Tx	Aid	Tx	ization	Fatal	Total
ALL MH																											
Accident	10	206	257	20	1	0	494	14	181	235	17	6	0	453							24	387	492	37	7	0	947
Another Client	7	171	179	14	1	0	372	11	149	173	13	1	0	347							18	320	352	27	2	0	719
Employee/Accider	1	8	11	1	0	0	21	2	4	13	0	1	0	20							3	12	24	1	1	0	41
Medical Condition	1	7	10	2	0	0	20	3	7	7	1	0	0	18							4	14	17	3	0	0	38
Self Inflicted	9	74	156	11	1	0	251	10	73	157	15	0	0	255							19	147	313	26	1	0	506
Undetermined	21	101	60	7	0	0	189	25	121	64	6	0	0	216							46	222	124	13	0	0	405
Visitor	0	0	0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	0	0	0	0
Total	49	567	673	55	3	0	1347	65	535	649	52	8	0	1309							114	1102	1322	107	11	0	2656
Rate/1000 Bed Day	0.23	2.69	3.19	0.26	0.01	0	0.27	0.32	2.65	3.22	0.26	0.04	0	0.30							0.28	2.67	3.2	0.26	0.03	0	0.29

N/A = Not Available

Source: Unduplicated Client Days (HC022175); and CWS

^{*}Total Rate/1000 Bed Days for NRI Category 3, 4,5

Performance Objective 6G:

When the use of restraint or seclusion in a behavioral emergency is necessary as a last result, the procedures will be performed, appropriately to reduce the risk of patient injury. The rate of patient injury for FY05 will not exceed 0.66 per 1000 bed days for FY04.

Performance Objective Operational Definition: Patient injuries documented on the Client Injury Assessment per FY quarter resulted from restraint or seclusion (per 1000 bed days).

Performance Measure Formula: R=(N/D) x 1000

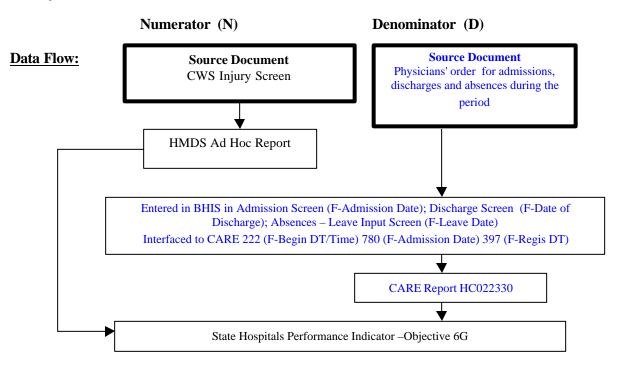
R = rate of patients injured during restraint or seclusion per 1000 bed days per quarter

N = number of patients injured during restraint or seclusion per quarter

D = number of bed days per quarter 1000 = bed day rate multiplier

Performance Objective Data Display and Chart Description:

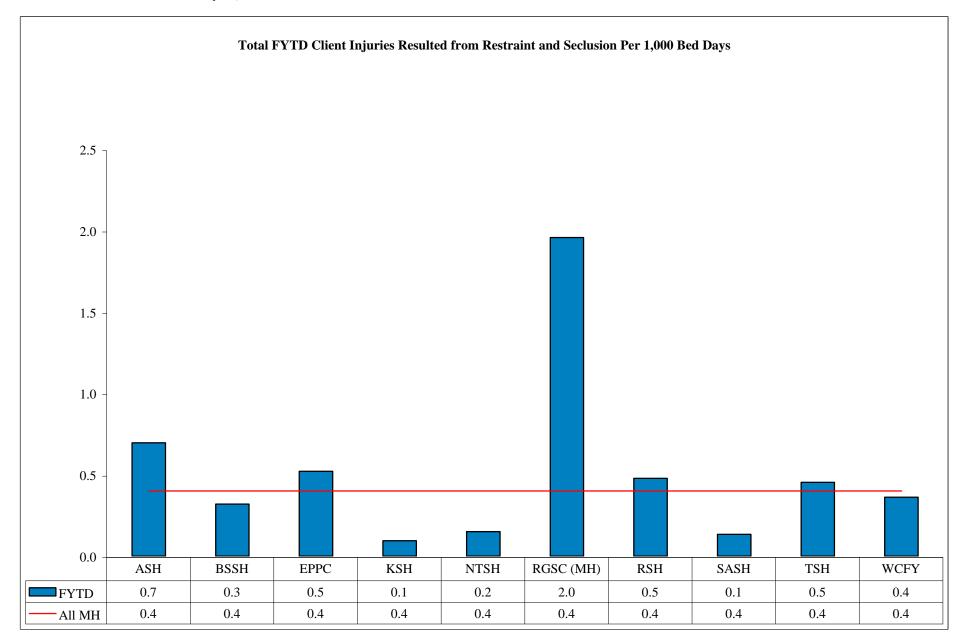
- ◆ Table shows quarterly number of injuries by restraint or seclusion by treatment for individual state hospitals and system-wide.
- Bar chart with total FYTD client injuries resulted from restraint and seclusion per 1000 bed days.



Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates, patient demographic and diagnostic information. Event files include date or date/time of injury and type.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event start/stop dates and injury event date and type data field as compared to the corresponding information in the medical record.
Sample Size	Use 15 randomly selected patient records for the most recently reported NRI PMS quarterly episode file data to review only associated injury events.
Monitoring Frequency	Facility: Semiannually; HMDS: Annually
Performance Improvement Trigger	When any admission/discharge dates and/or events found on the most recent NRI PMS quarterly report do not correspond to the information in the medical record.

Objective 6G - Client Injuries Resulted From Restraint and Seclusion All MH Facilities - As of February 28, 2005



Objective 6G - Client Injuries Resulted From Restraint and Seclusion All MH Facilities - FY2005

	Q1					Q2							Q3							Q4								
		No	First	Med	lospita	ıl-			No	First	Med	lospita	1-			No	First	Med	lospita	1-			No	First	Med	lospita	1-	
Facility	N/A	Tx	Aid	Tx	ization	Fatal	Total	N/A	Tx	Aid	Tx	izatior	Fatal	Total	N/A	Tx	Aid	Tx	ization	Fatal	Total	N/A	Tx	Aid	Tx	ization	Fatal	Total
ALL MH																												
Restraint	0	24	31	4	0	0	59	5	23	36	4	0	0	68														
Seclusion	0	5	5	0	0	0	10	1	1	8	1	0	0	11														
Total	0	29	36	4	0	0	69	6	24	44	5	0	0	79														
Per 1000 Beddays							0.3							0.4														

Table: Hospital Management Data Services Source: SYNC and CWS

Performance Objective 6H:

Employees injured during restraint or seclusion will not exceed 1.34 per 1000 bed days across all state hospitals in FY 2005.

<u>Performance Objective Operational Definition:</u>. The state hospital rate of employees injured during restraint or seclusion per 1000 bed days.

Performance Objective Formula: $R = (N/D) \times 1000$

R = rate of employees injured during restraint or seclusion per 1000 bed days per month

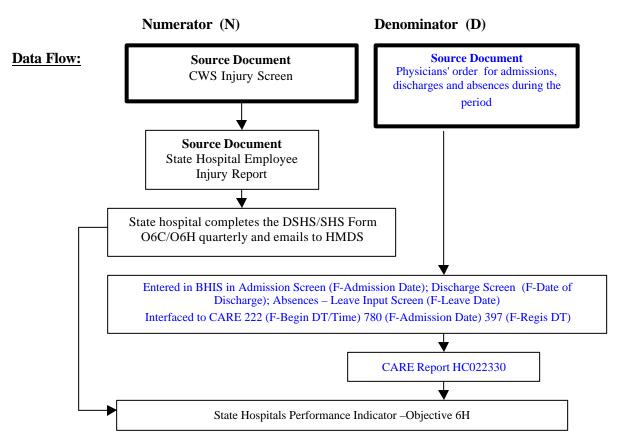
N = number of employees injured during restraint or seclusion per month

D = number of bed days per month 1000 = bed day rate multiplier

Performance Objective Data Display and Chart Description:

Chart with monthly data points showing total employee injuries, injuries associated with restraint or seclusion and rate per 1000 bed days.

See Objective 6C for charts.



Data Integrity Review Process:

Not subject to DIR. This data is calculated and reported to DSHS-Hospitals Section by each state hospital.

See Objective 6C for charts.

Performance Objective 6I:

The rate of Unauthorized Departures will not exceed 0.42 per 1000 bed days across all state hospitals during FY2005.

<u>Performance Objective Operational Definition:</u> The state hospital rate of unauthorized departures assignments documented on the state hospital elopement report form per 1000 bed days per month.

Performance Objective Formula: $R = (N/D) \times 1000$

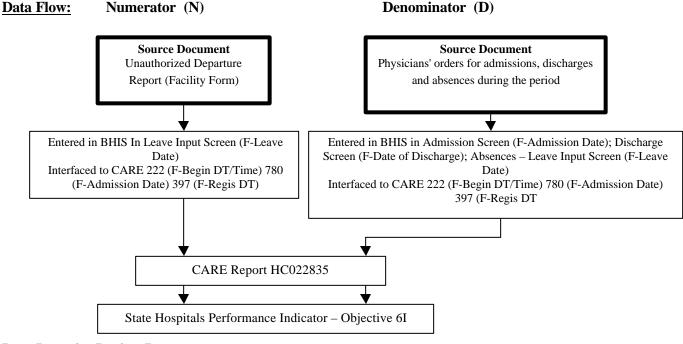
R = rate of elopement assignments per 1000 bed days per month

N= number of elopement assignments per month (Each UD is counted only once, in the month it is begun, even if it extends into subsequent months. Number of persons means the number of persons for whom assignments were begun during the month)

D = number of bed days per month 1000 = bed day rate multiplier

Performance Objective Data Display and Chart Description:

- ◆ Table shows UD incidents, UD persons and bed days in a month for individual state hospitals and system-wide.
- Control chart with monthly data points of UDs per 1000 bed days for individual state hospitals and system-wide and NRI national public rates.



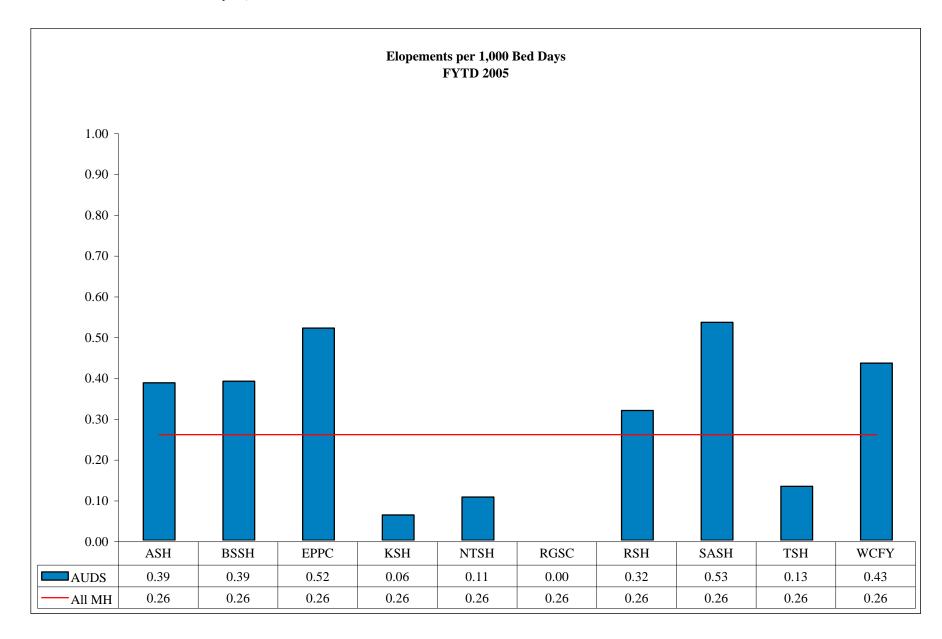
Data Integrity Review Process:

Monitoring Method	Medical record review using the most recent NRI PMS quarterly episode and/or event file data to ensure medical record data corresponds to data reported to NRI PMS. Episode files include admission/discharge dates. Event files include date
	when elopement started and stopped and location.
Monitoring Instrument/Tool	NRI PMS Episode and/or Event DIR Worksheet
Description of Review Process	Verification of the admission and discharge data fields of the NRI episode files and leave event start/stop dates as compared to the corresponding information in the medical record. Verify elopement start/stop dates, location and type of the NRI elopement event file with corresponding information on the UD form.

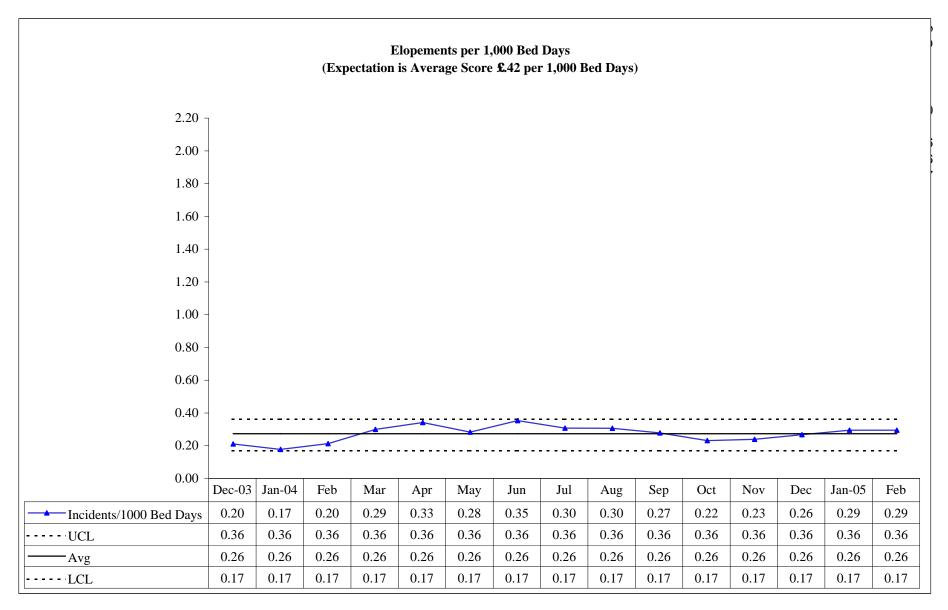
Objective 6I - Rate for Elopements All MH Facilities - Previous 12 Months

	Mar-04	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-05	Feb
ALL MH FACILITIES												
Unauthorized Departures Incidents	20	22	19	23	21	21	19	16	16	18	20	18
Unauthorized Departures Persons	17	22	19	23	20	19	18	14	16	18	19	16
Bed Days in Month	68644	66879	68860	66541	70214	70468	70306	71490	69234	69346	69708	62776
Incidents/1000 Bed Days	0.29	0.33	0.28	0.35	0.30	0.30	0.27	0.22	0.23	0.26	0.29	0.29

Objective 6I - Rate for Elopements All MH Facilities - As of February 28, 2005



Objective 6I - Rate for Elopements All MH Facilities



GOAL 8: Assure A Competent Workforce

Performance Objective 8A:

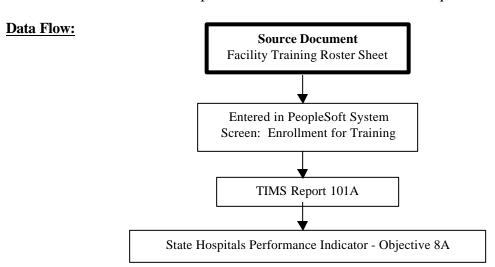
95 percent of all staff will be current with required training at all times.

<u>Performance Objective Operational Definition:</u> The state hospital percentage of employees with active training statuses who have completed all courses related to their position type training program within specified time frame. Monthly data (based on data entered up until 5 p.m. on the day the report is run) will be reported in TIMS Report 101A.

<u>Performance Objective Formula:</u> Rate = number of employees with active training statuses who have completed their training/number of current employees at the state hospital.

Performance Objective Data Display and Chart Description:

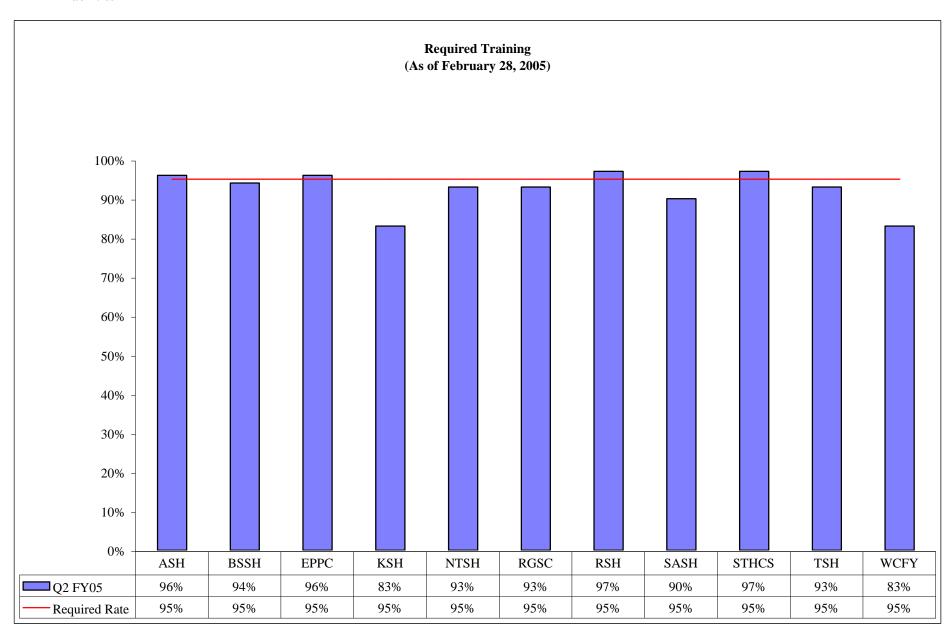
- ♦ Control chart with monthly data points of percentage of training completed for individual state hospitals and system-wide.
- Bar chart with all state hospital scores for the last month of the quarter.



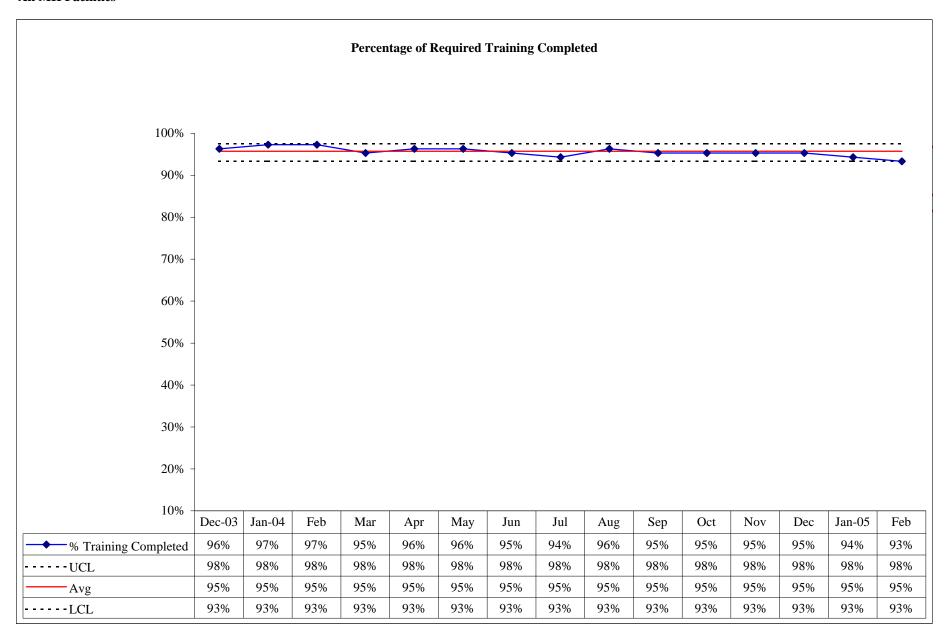
Data Integrity Review Process:

Data integrity review done through the Administrative Performance Indicators (API) Validation Audit Process.

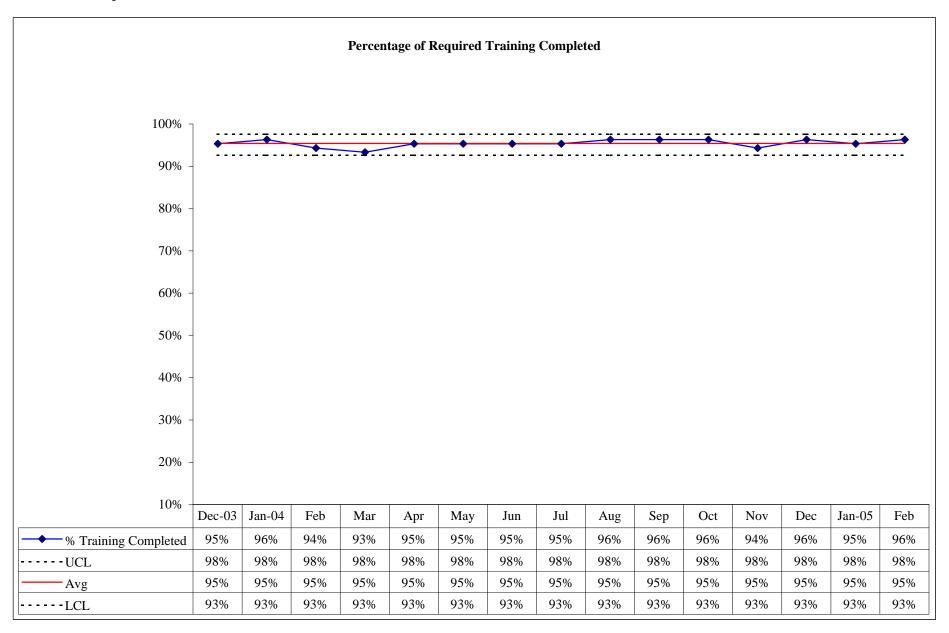
Objective 8A - Staff Current With Required Training All MH Facilities



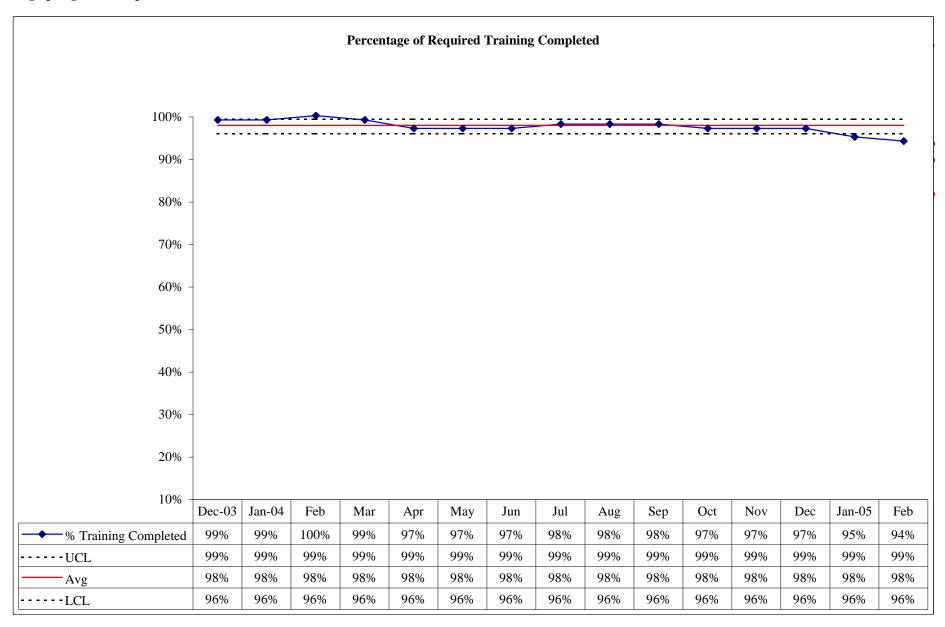
Objective 8A - Staff Current With Required Training All MH Facilities



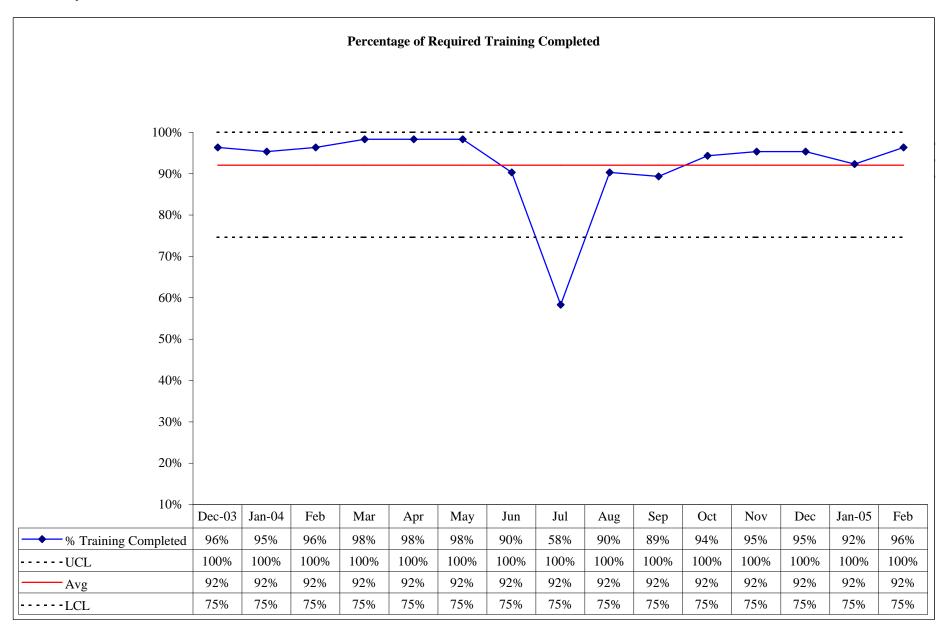
Objective 8A - Staff Current With Required Training Austin State Hospital



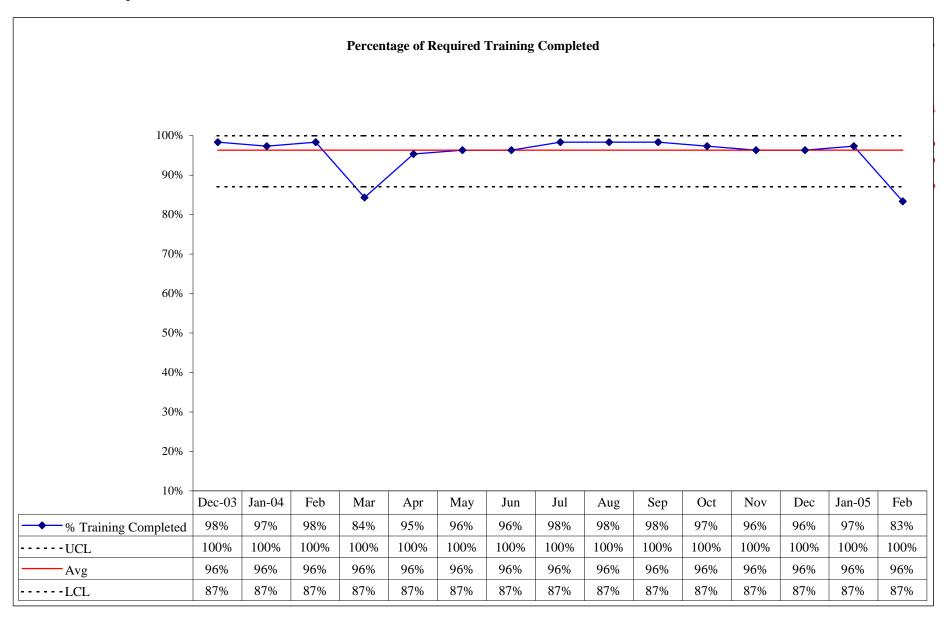
Objective 8A - Staff Current With Required Training Big Spring State Hospital



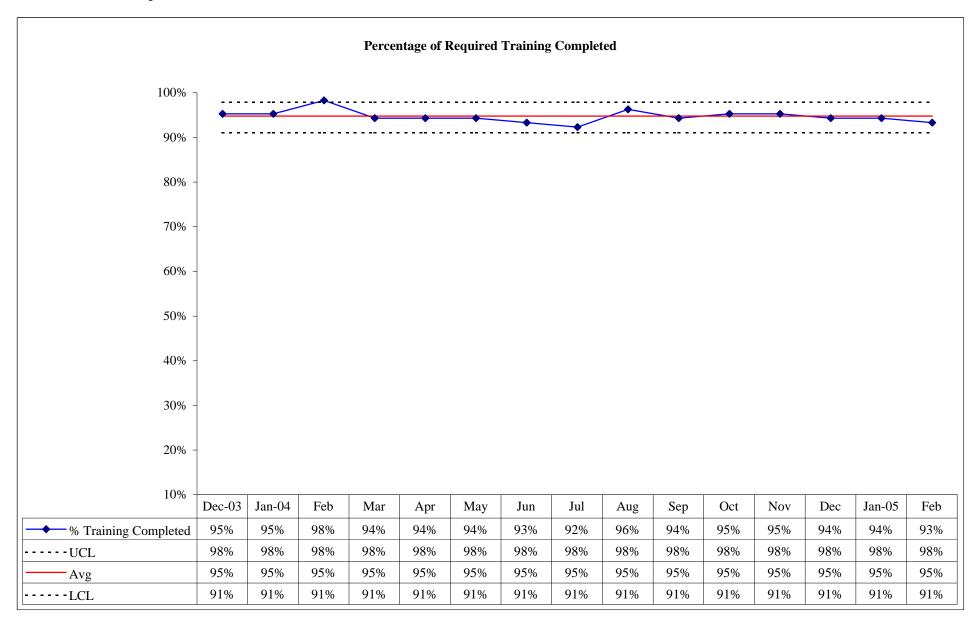
Objective 8A - Staff Current With Required Training El Paso Psychiatric Center



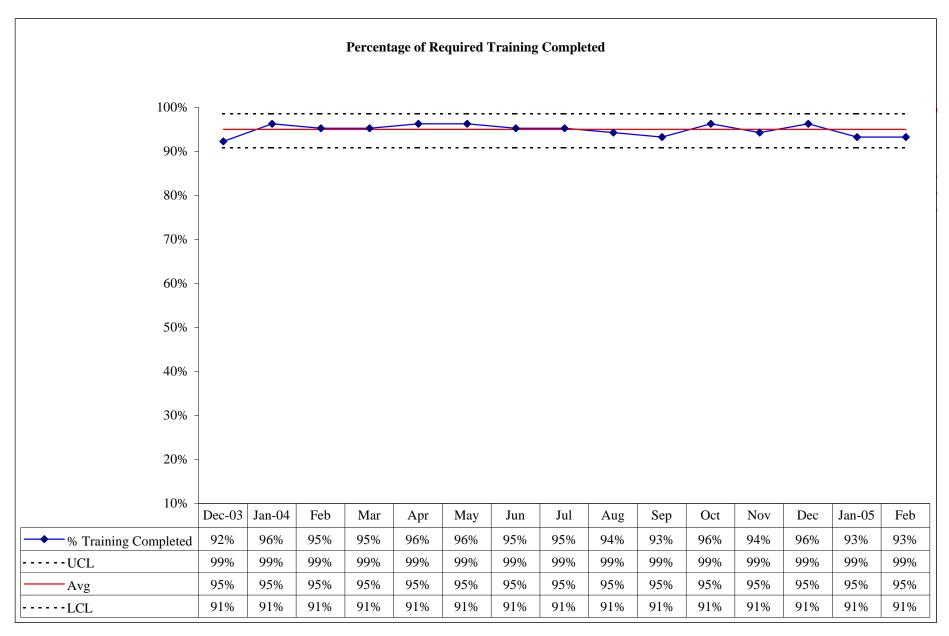
Objective 8A - Staff Current With Required Training Kerrville State Hospital



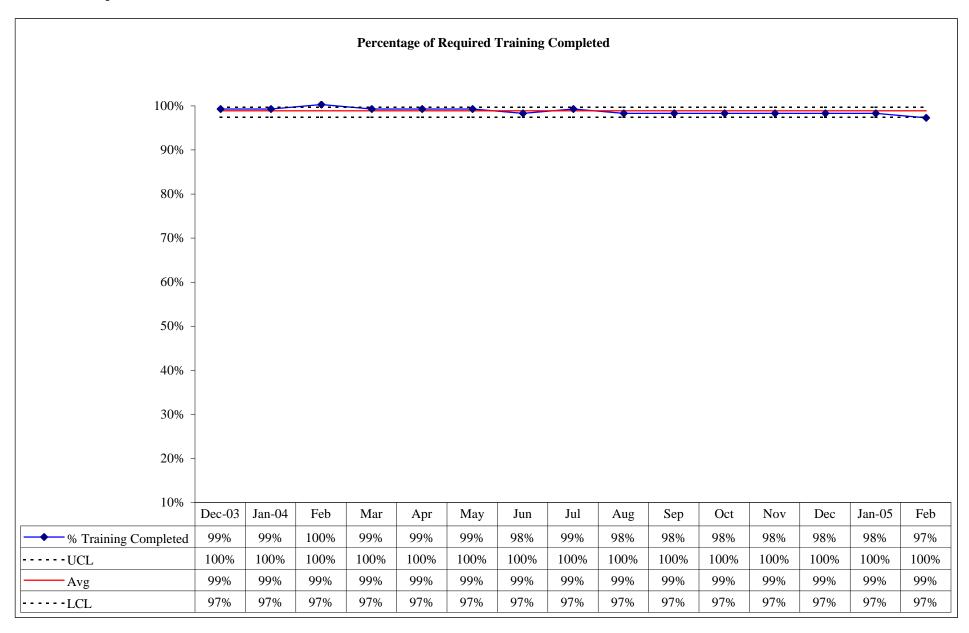
Objective 8A - Staff Current With Required Training North Texas State Hospital



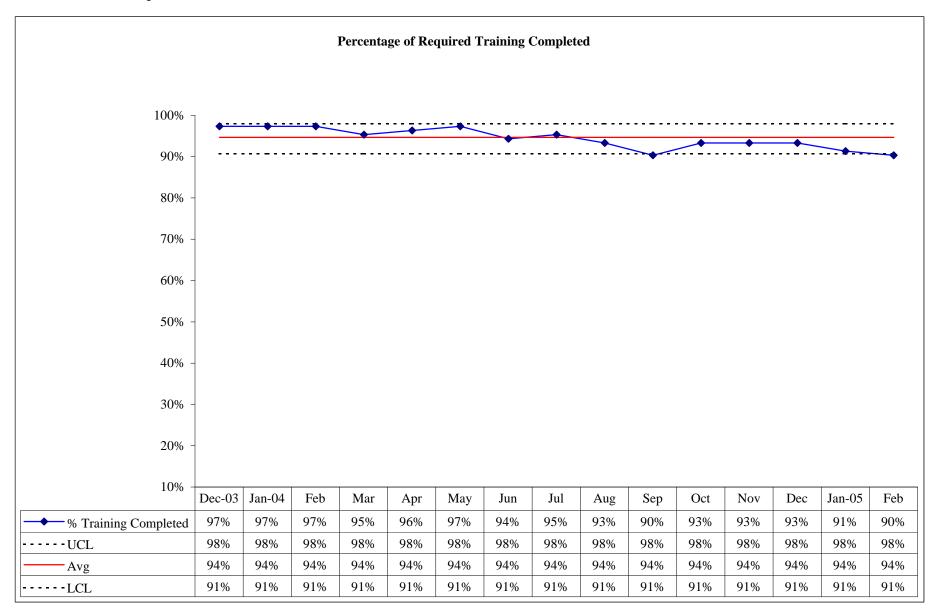
Objective 8A - Staff Current With Required Training Rio Grande State Center



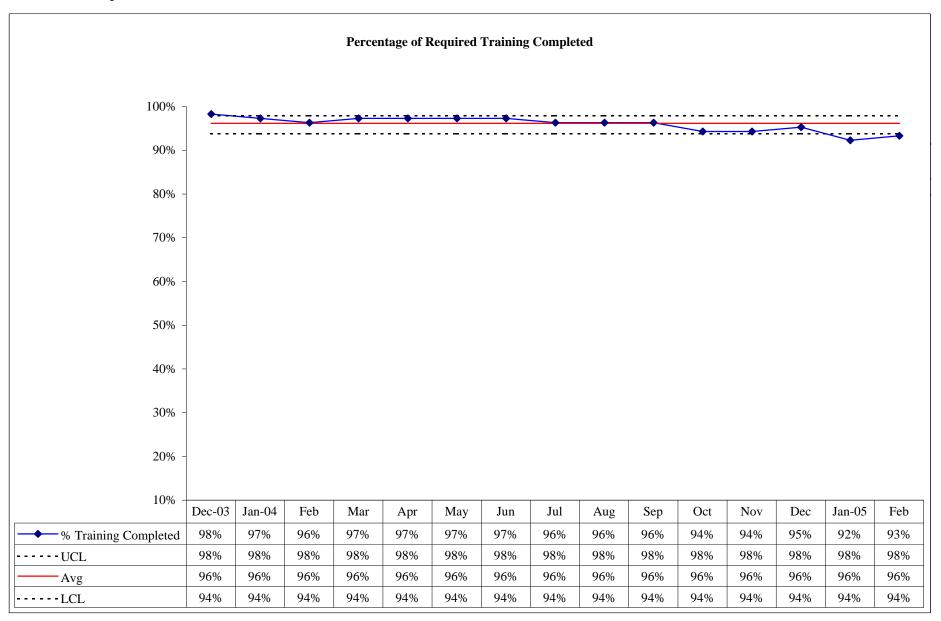
Objective 8A - Staff Current With Required Training Rusk State Hospital



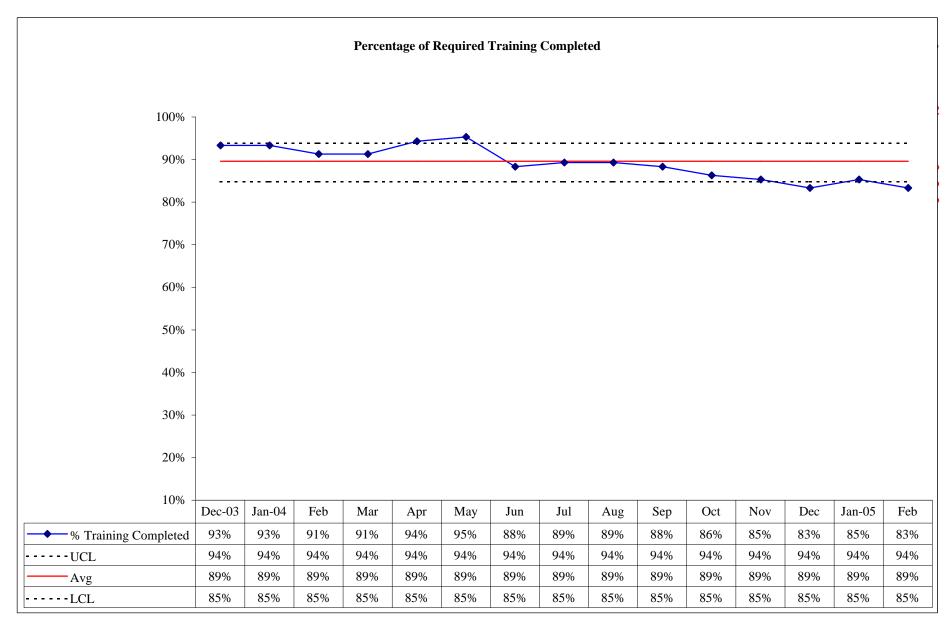
Objective 8A - Staff Current With Required Training San Antonio State Hospital



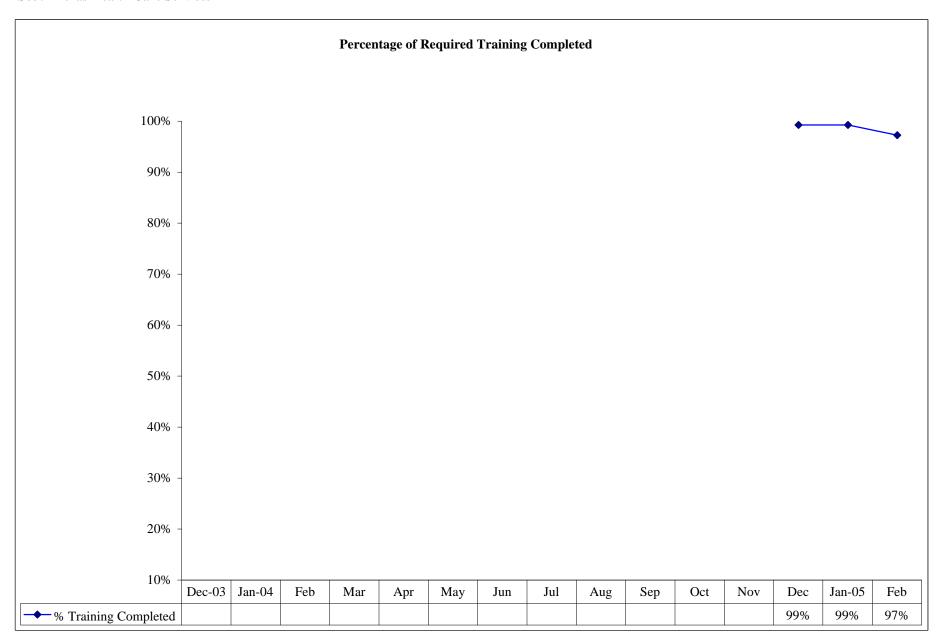
Objective 8A - Staff Current With Required Training Terrell State Hospital



Objective 8A - Staff Current With Required Training Waco Center for Youth



Objective 8A - Staff Current With Required Training South Texas Health Care Services



Performance Objective 8B:

97 percent of all staff will have current date performance evaluations on file at all times.

Performance Objective Operational Definition: The state hospital rate of up-to-date annual performance evaluations documented on the HR5.2 per month. (Performance evaluations are due 12 months following the date of the last evaluation as entered in PeopleSoft and are considered late when they are more than 30 days past due). PeopleSoft Report HSAS1102 includes all employees on leave, transferred employees and retired employees using up their time.

Performance Objective Formula: R = (N/D)

Rate = rate of staff up-to-date with annual performance evaluations

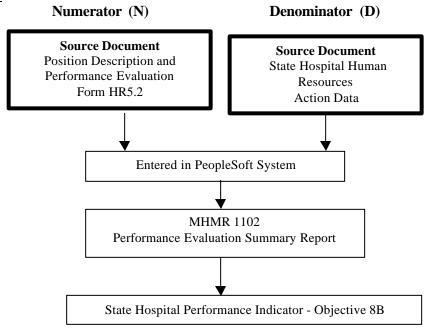
N = number of employees with current evaluations on the last day of the month

D = number of active employees (people, not FTEs) on the last day of the month

Performance Objective Data Display and Chart Description:

• Control chart with monthly data points of percentage of performance evaluations up-to-date for individual state hospitals and system-wide.

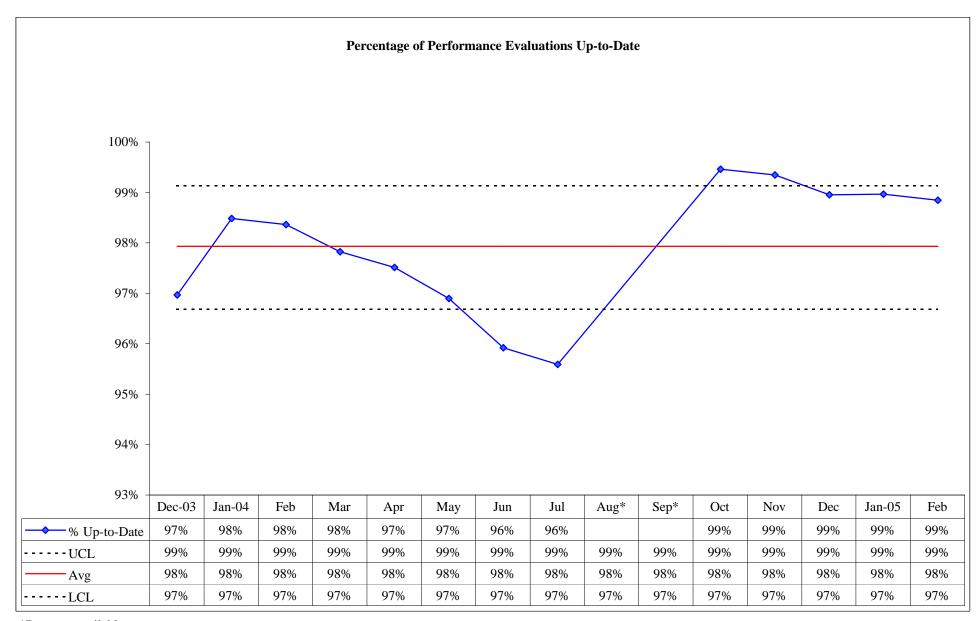
Data Flow:



Data Integrity Review Process:

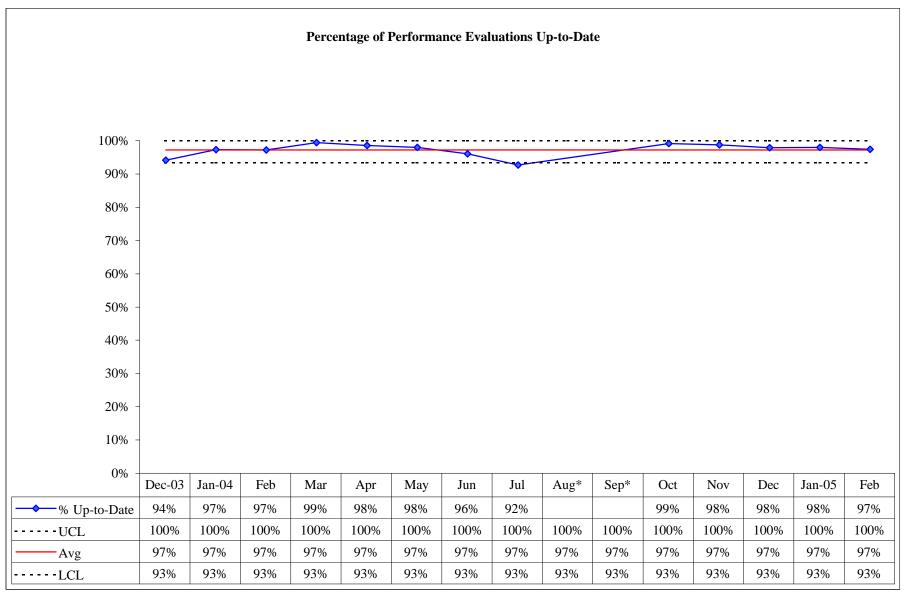
Data integrity review done through the Administrative Performance Indicators (API) Validation Audit Process.

Objective 8B - Staff Have Current Performance Evaluations All MH Facilities



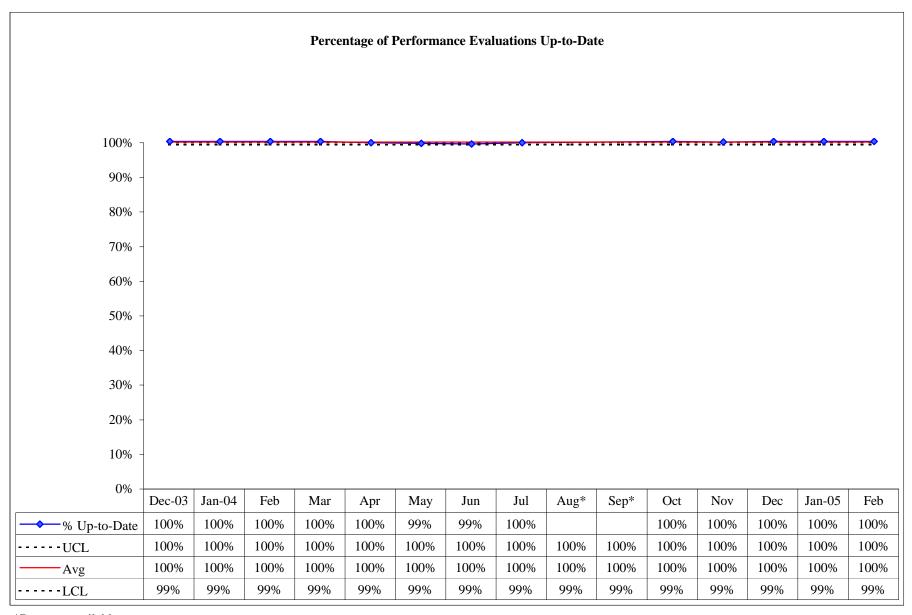
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Austin State Hospital



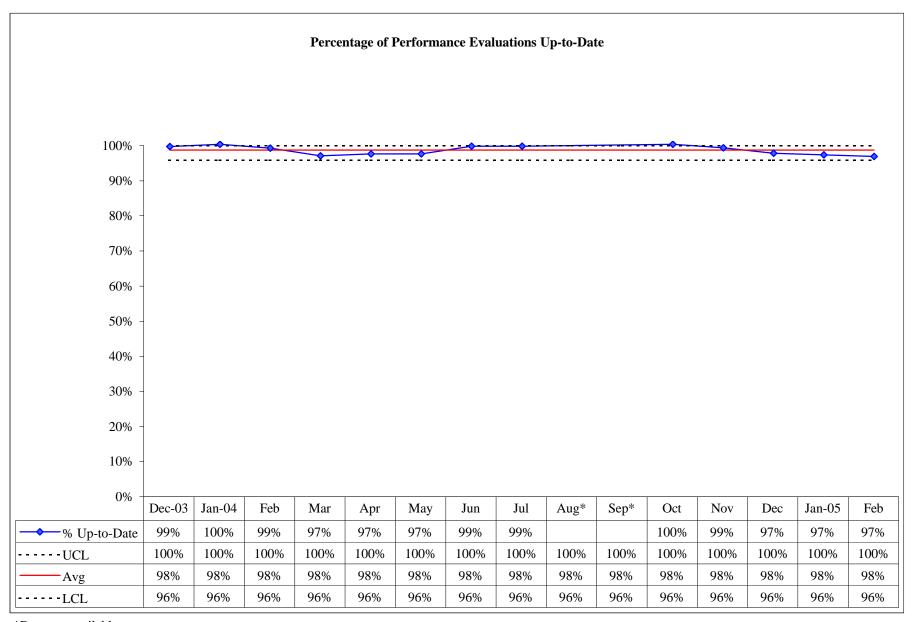
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Big Spring State Hospital



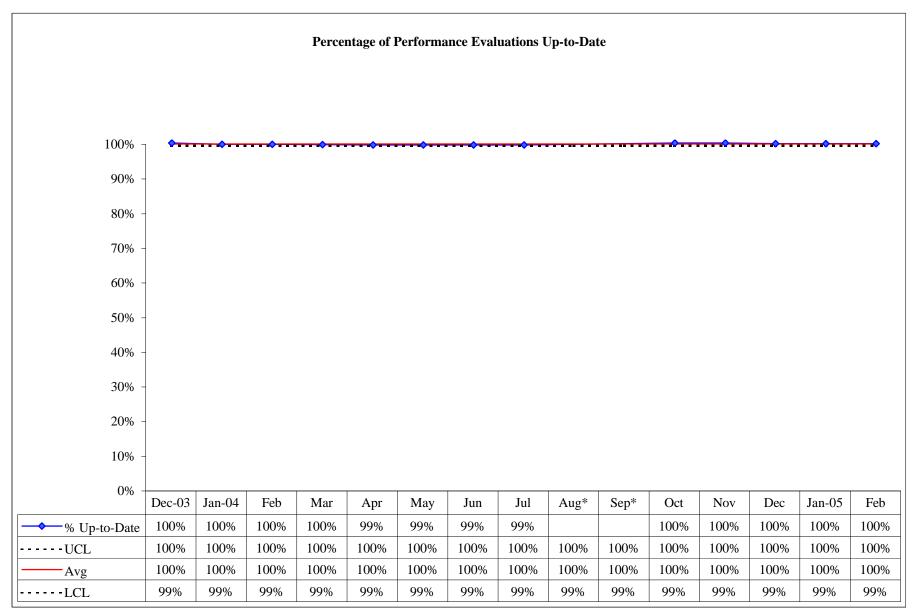
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations El Paso Psychiatric Center



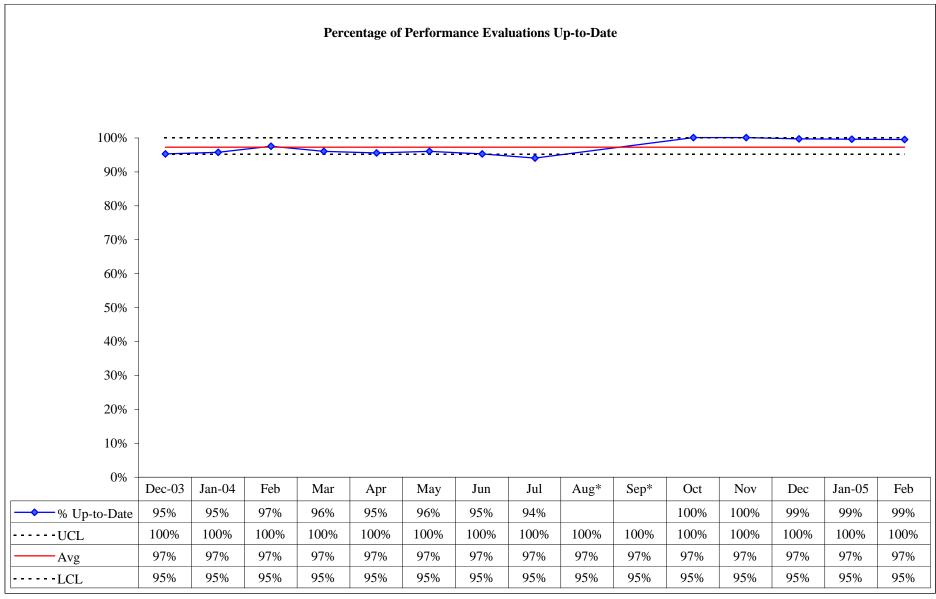
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Kerrville State Hospital



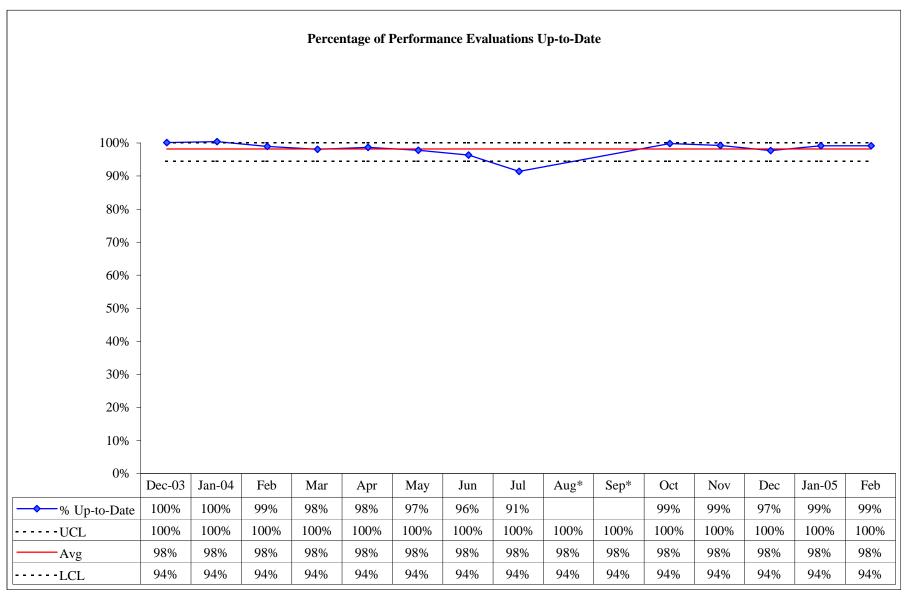
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations North Texas State Hospital



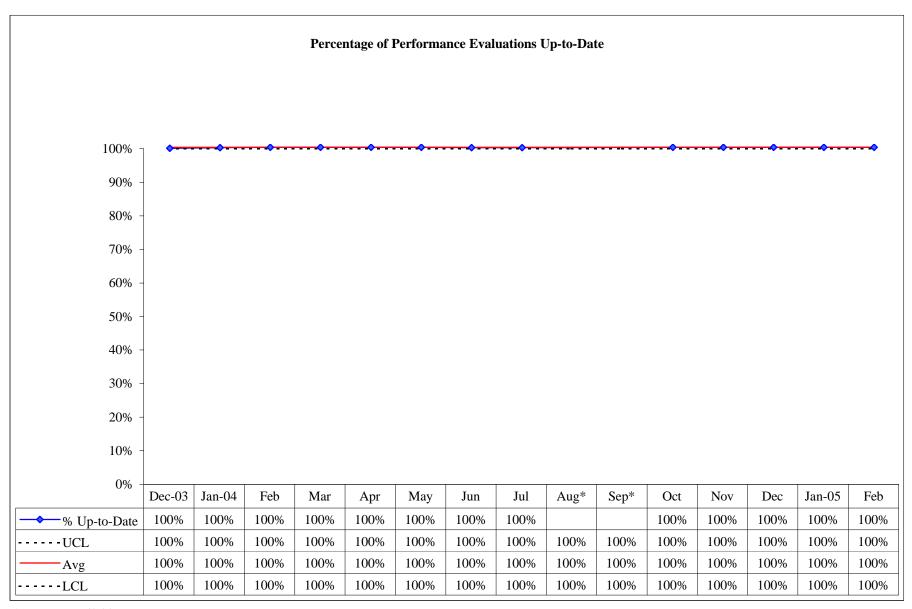
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Rio Grande State Center



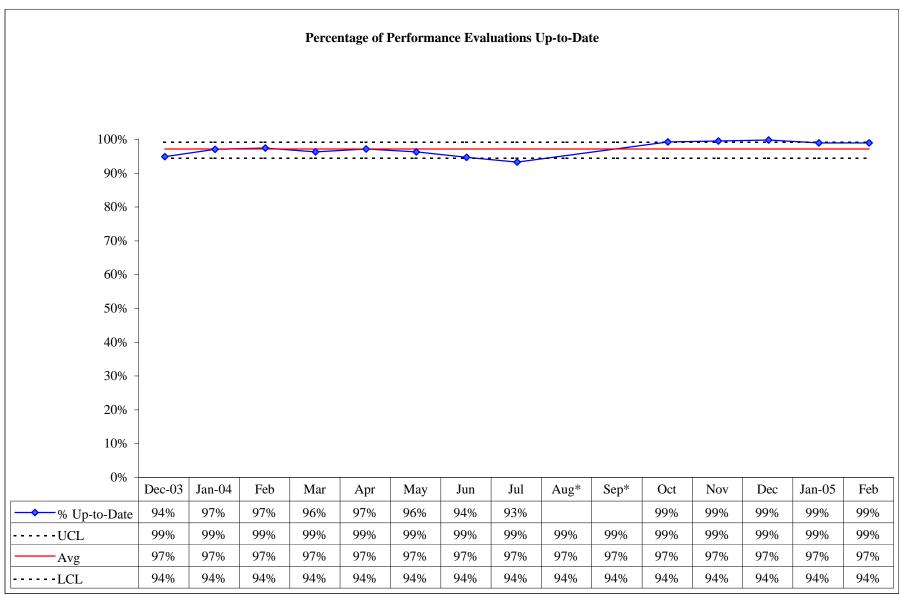
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Rusk State Hospital



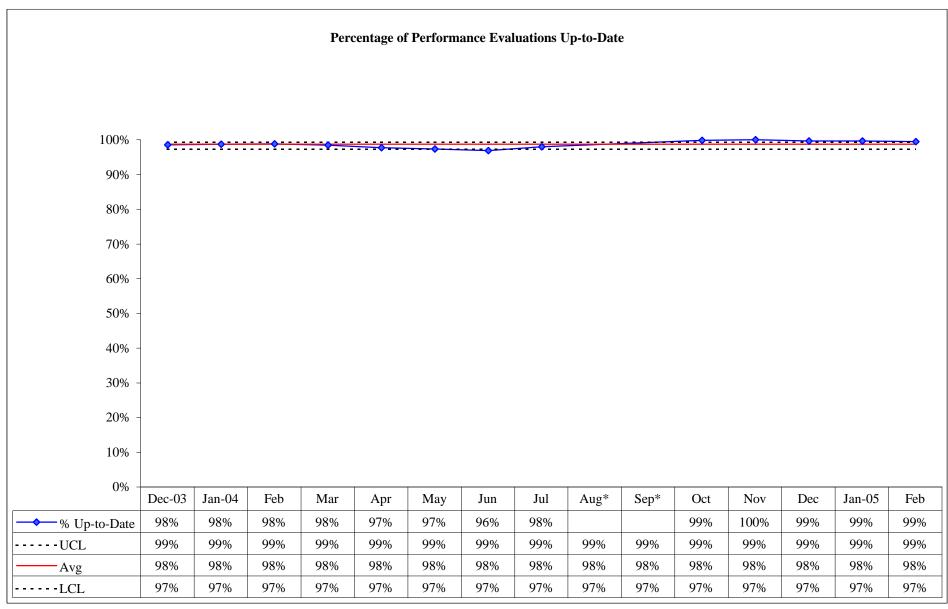
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations San Antonio State Hospital



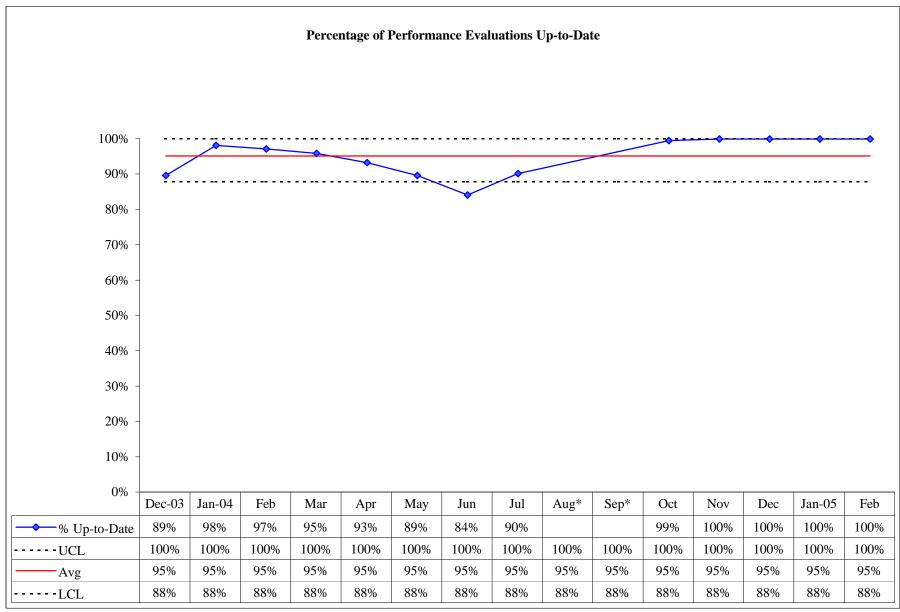
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Terrell State Hospital



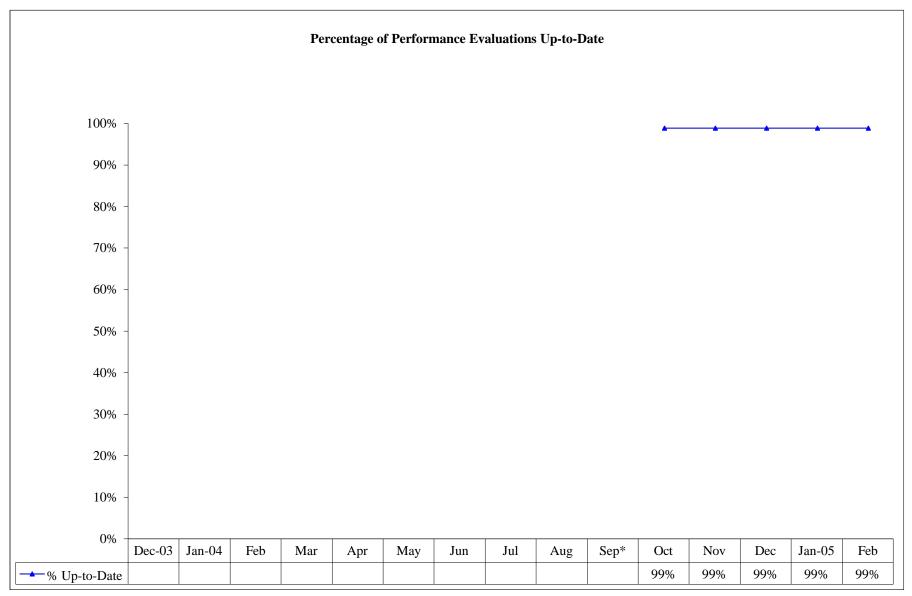
^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Waco Center For Youth



^{*}Data not available

Objective 8B - Staff Have Current Performance Evaluations Texas Center for Infectious Disease



^{*}Data not available

Performance Measure 8A:

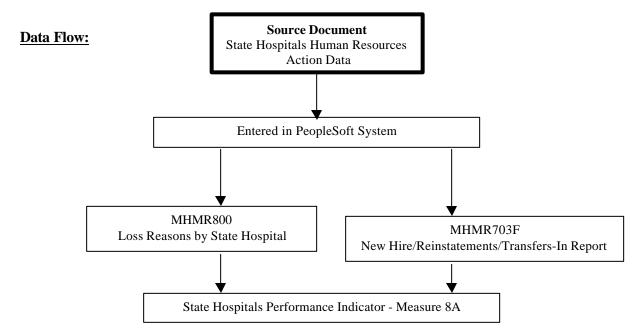
"Staff Turnover" rates for critical shortage staff will be maintained and reported quarterly.

<u>Performance Measure Operational Definition:</u> The state hospital rate of staff turnover relating to "new hires" and "losses" will be available to the board.

Performance Measure Formula: Two formulas are used to calculate turnover for this report. The first formula for calculating turnover is [(number of losses/average strength for reporting period) x 100]. (Number of losses is not reported in full-time equivalents). The second formula for calculating turnover is [(number of new hires, transfers-in and reinstatements/average strength for reporting period) x 100]. Average daily strength is calculated by adding the total number of filled positions for each day in the reporting period, and dividing by the total number of days in the reporting period.

Performance Measure Data Display and Chart Description:

- ◆ Table shows new hires, losses and average daily strength for individual state hospitals and system-wide.
- Chart with monthly data points of turnover rate and annualized turnover (twelve month rolling average) for individual state hospitals and system-wide.

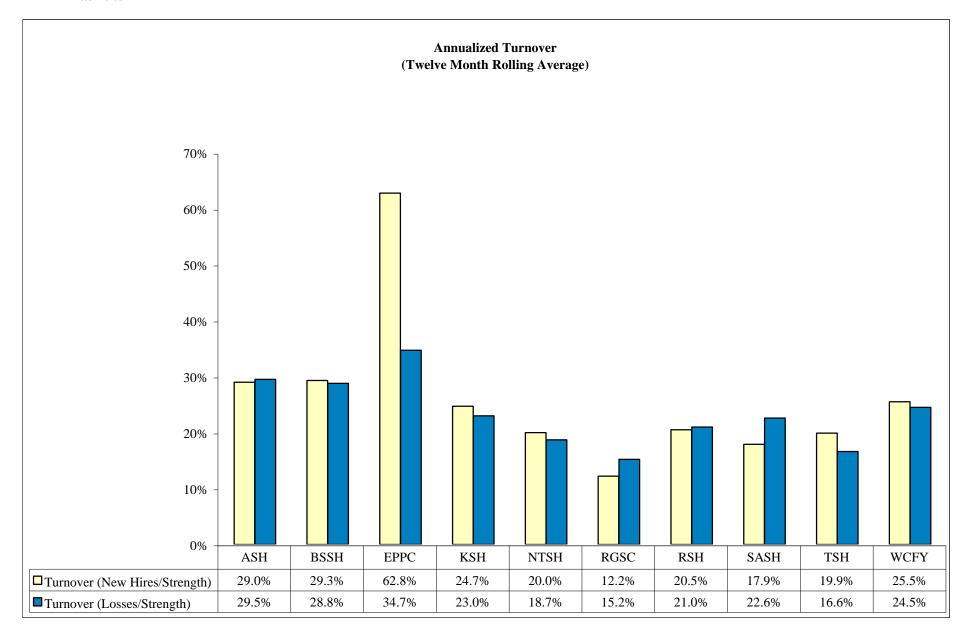


Data Integrity Review Process:

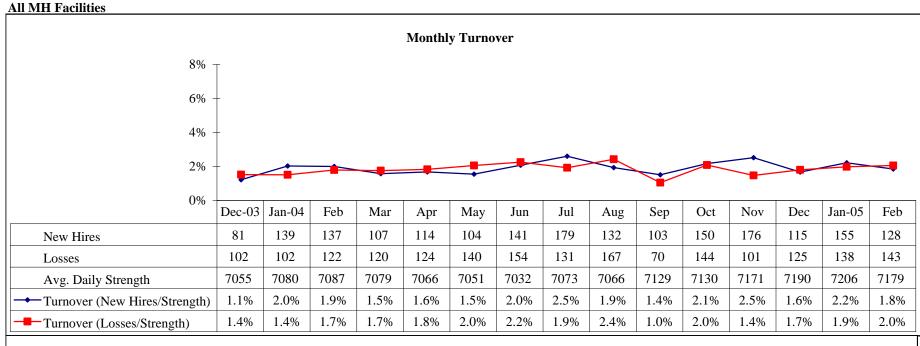
Staff turnover rates are not subject to a data integrity review at this time.

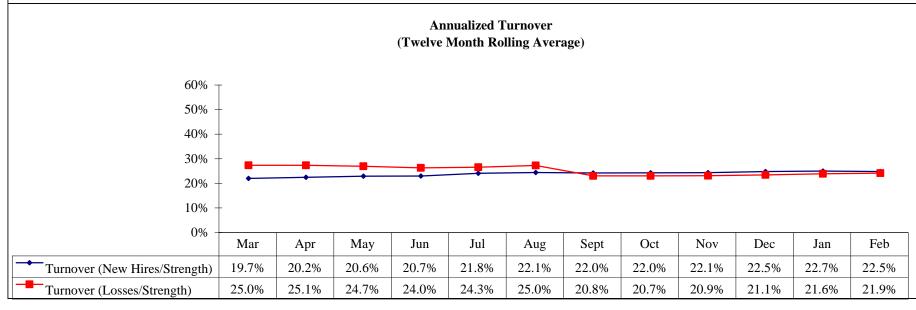
Measure 8A - Staff Turnover Rates All MH Facilities

Chart: Hospital Management Data Services



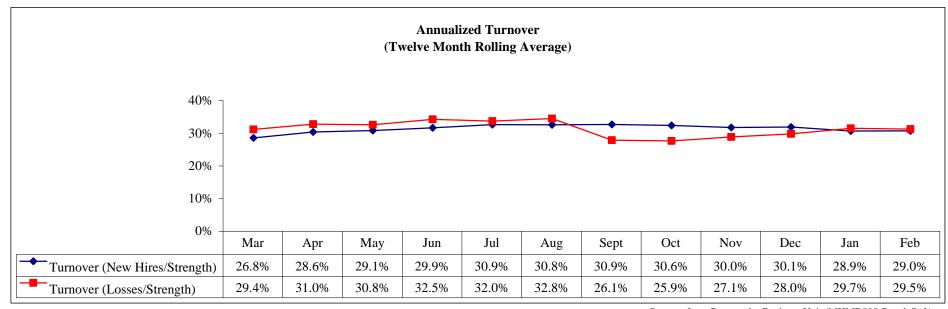
Measure 8A - Staff Turnover Rates





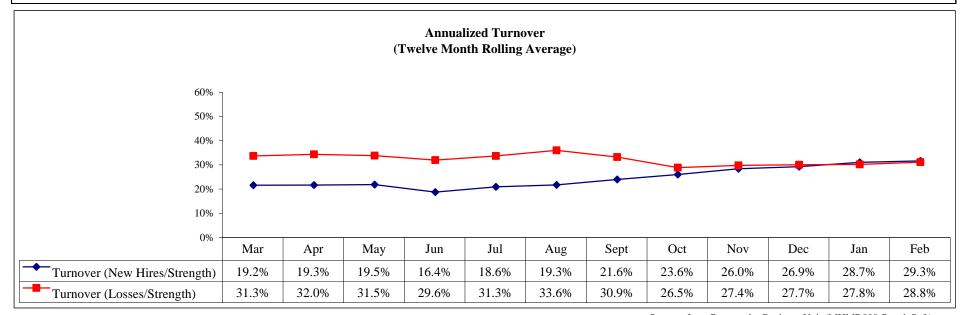
Measure 8A - Staff Turnover Rates

Austin State Hospital Monthly Turnover 10% 8% 6% 4% 2% 0% Dec-03 Jan-04 Feb Jan-05 Mar Apr May Jun Jul Aug Sep Oct Nov Dec Feb 7 27 16 17 25 19 17 26 24 19 25 24 8 17 16 New Hires 18 10 19 15 20 14 34 17 27 10 21 17 26 24 17 Losses Avg. Daily Strength 812 820 816 820 823 832 821 827 829 809 817 815 810 808 806 Turnover (New Hires/Strength) 0.9% 3.3% 2.0% 2.1% 3.0% 2.3% 2.1% 3.1% 2.9% 2.3% 3.1% 2.9% 1.0% 2.1% 2.0% 2.3% 1.2% 2.3% 1.9% 2.4% 1.7% 2.0% 3.2% 1.3% 2.6% 2.1% 3.2% 2.9% 2.1% 4.1% Turnover (Losses/Strength)



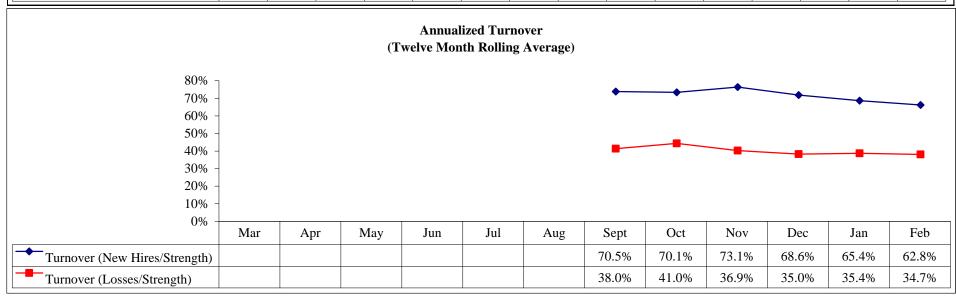
Measure 8A - Staff Turnover Rates

Big Spring State Hospital Monthly Turnover 8% 6% 4% 2% 0% Jan-04 Feb Sep Dec-03 Mar Apr May Jun Jul Aug Oct Nov Dec Jan-05 Feb 5 9 9 9 6 21 14 18 10 New Hires 11 11 11 17 15 8 13 8 19 4 12 9 Losses 10 14 11 16 18 12 13 12 535 529 529 532 527 524 520 523 521 505 511 515 515 520 514 Avg. Daily Strength 1.7% 2.1% 2.1% 2.2% 3.3% 2.9% 3.5% Turnover (New Hires/Strength) 0.9% 1.7% 1.3% 1.1% 4.0% 2.7% 1.7% 1.9% 2.6% 2.1% 2.3% 2.5% 2.3% Turnover (Losses/Strength) 1.5% 2.4% 1.4% 1.9% 3.1% 3.6% 3.5% 0.8% 2.3% 1.7%



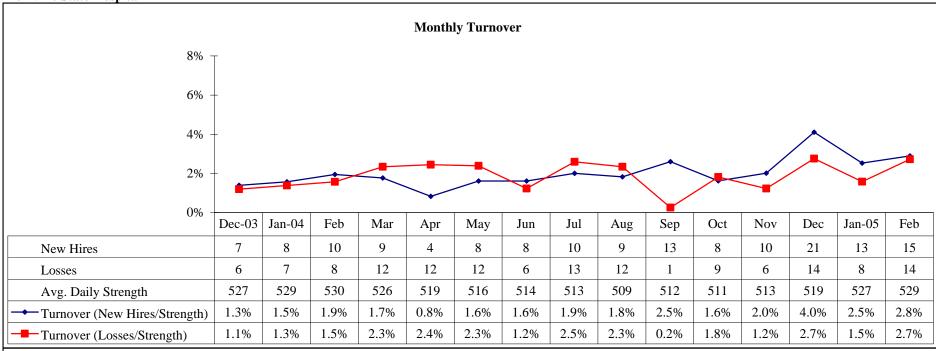
Measure 8A - Staff Turnover Rates

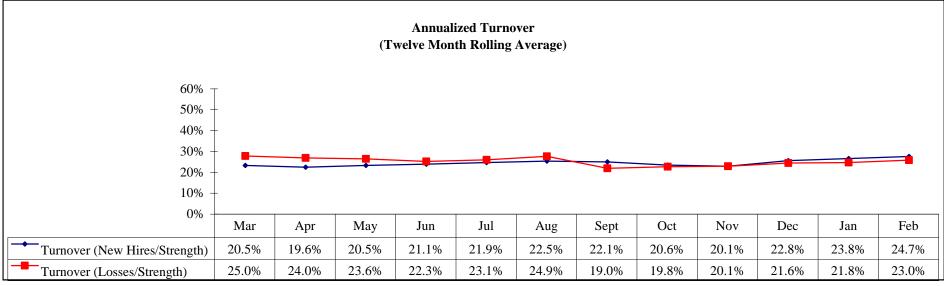
El Paso Psychiatric Center **Monthly Turnover** 14% 12% 10% 8% 6% 4% 2% 0% Dec-03 Jan-04 Feb Mar Jul Oct Nov Dec Jan-05 Feb Apr May Jun Aug Sep 8 7 13 9 7 9 2 3 New Hires 9 12 24 1 12 15 10 5 4 4 5 6 6 4 9 1 4 9 5 2 6 4 Losses 151 159 194 184 Avg. Daily Strength 153 156 167 179 191 194 171 175 179 184 182 1.7% Turnover (New Hires/Strength) 5.3% 4.6% 8.3% 5.7% 5.4% 6.7% 12.6% 0.5% 3.6% 5.3% 6.9% 8.4% 5.4% 1.1% Turnover (Losses/Strength) 3.0% 2.6% 2.5% 3.3% 3.5% 3.5% 2.3% 4.9% 0.8% 2.6% 5.2% 2.8% 1.2% 3.1% 2.0%



Measure 8A - Staff Turnover Rates

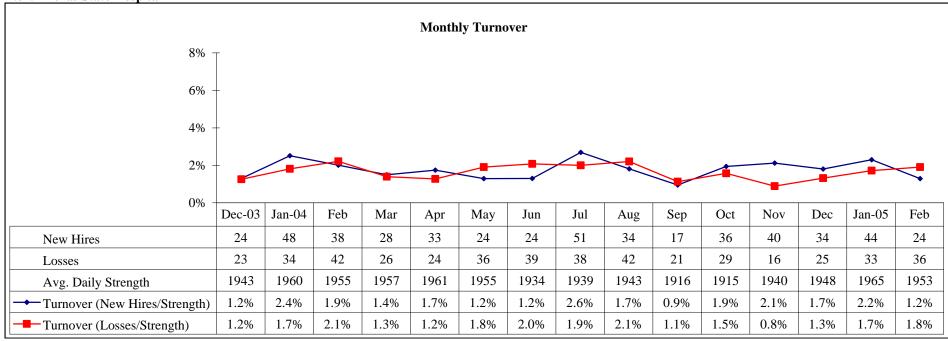
Kerrville State Hospital

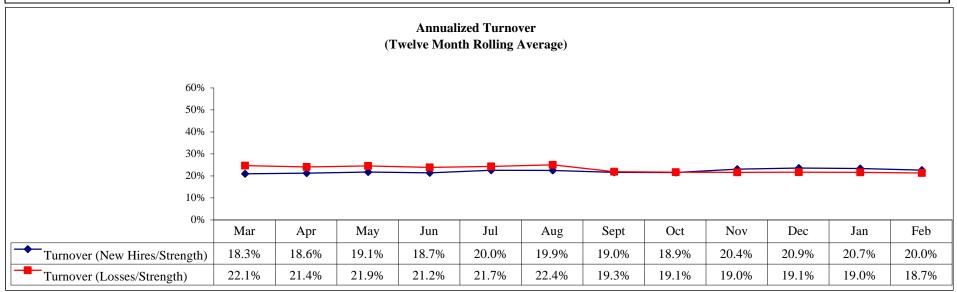




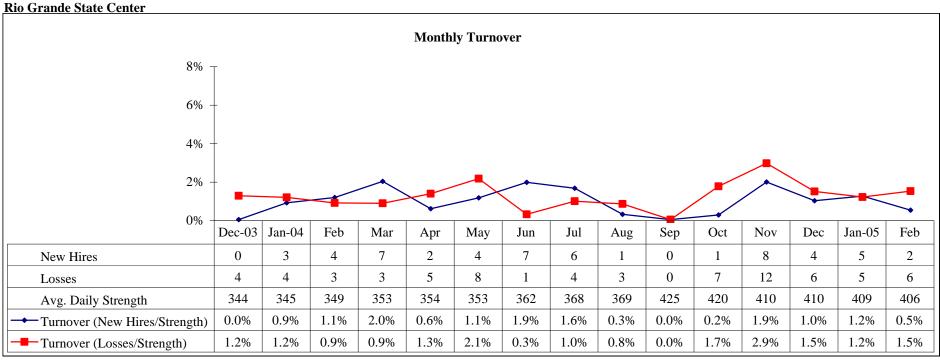
Measure 8A - Staff Turnover Rates

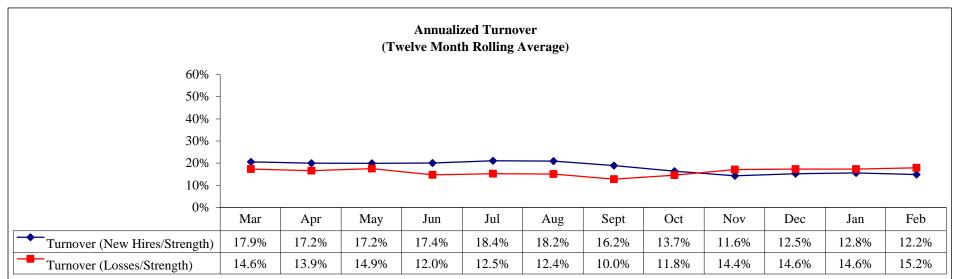
North Texas State Hospital





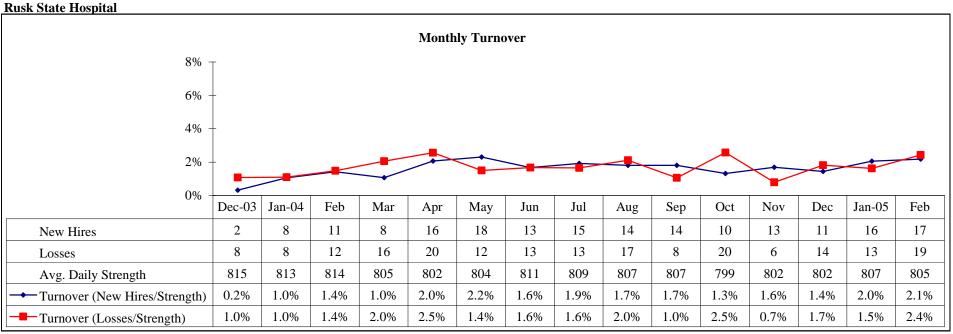
Measure 8A - Staff Turnover Rates





STHCS included effective 9/1/04 Chart: Hospital Management Data Services

Measure 8A - Staff Turnover Rates



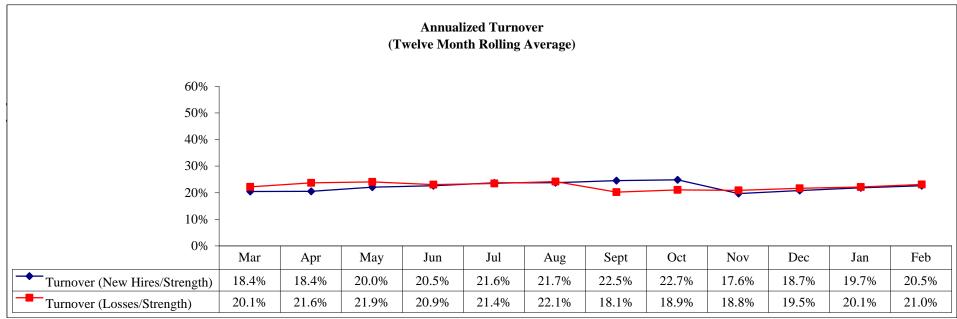
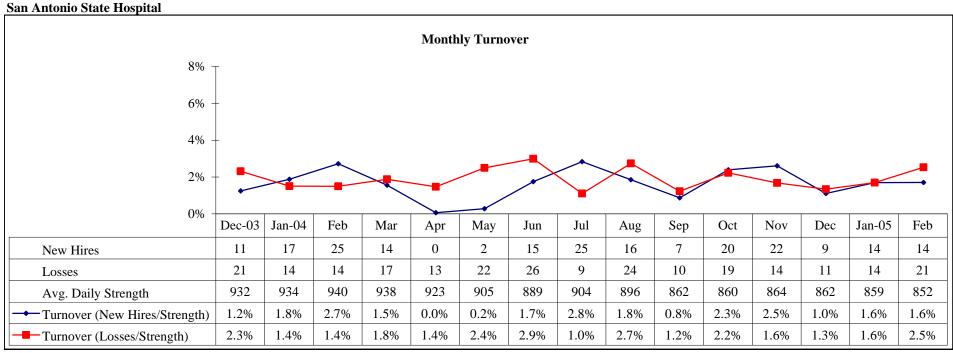
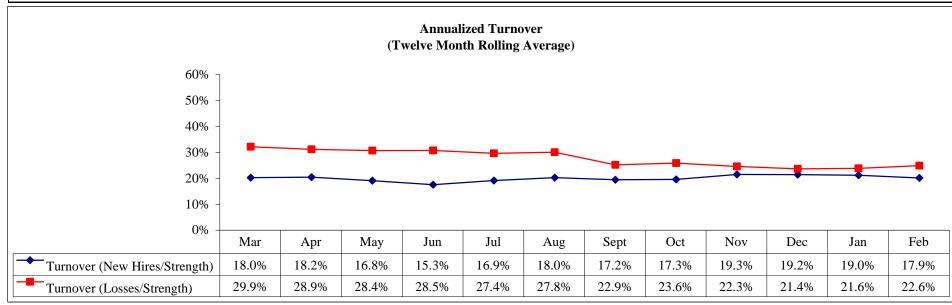


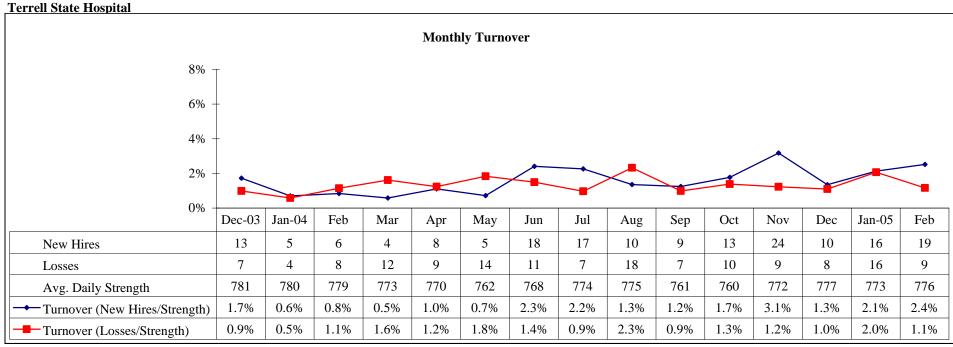
Chart: Hospital Management Data Services

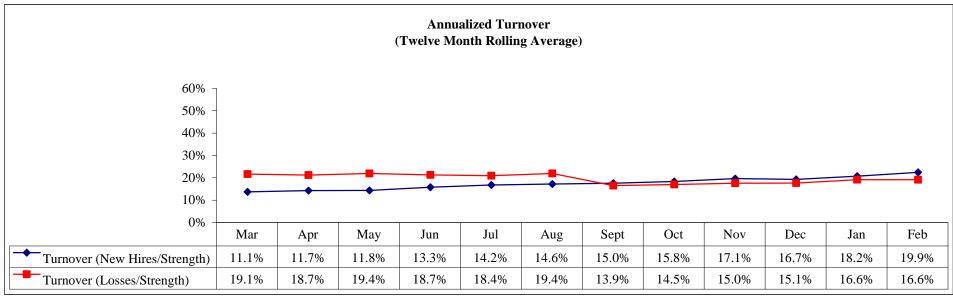
Measure 8A - Staff Turnover Rates





Measure 8A - Staff Turnover Rates





Measure 8A - Staff Turnover Rates

Turnover (Losses/Strength)

0.7%

2.1%

2.5%

1.4%

0.9%

Waco Center for Youth Monthly Turnover 10% 8% 6% 4% 2% 0% Dec-03 Jan-04 Feb Mar Jul Sep Oct Nov Jan-05 Feb Apr May Jun Aug Dec 7 2 7 3 7 3 4 6 6 4 3 5 1 New Hires 2 5 6 3 2 6 4 3 6 3 6 2 8 6 5 Losses 217 217 220 217 220 222 222 225 224 216 217 221 217 216 Avg. Daily Strength 216 1.8% Turnover (New Hires/Strength) 3.2% 3.2% 0.9% 2.7% 2.7% 1.8% 3.1% 1.3% 1.4% 3.2% 1.4% 2.3% 4.1% 0.5%

2.7%

1.8%

1.3%

2.7%

1.3%

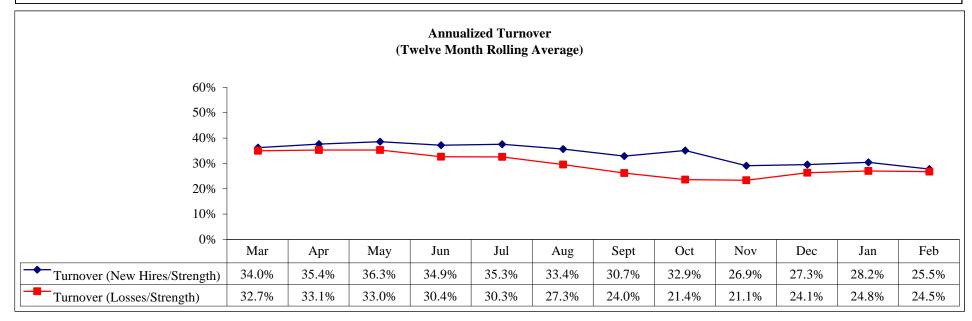
2.8%

0.9%

3.7%

2.8%

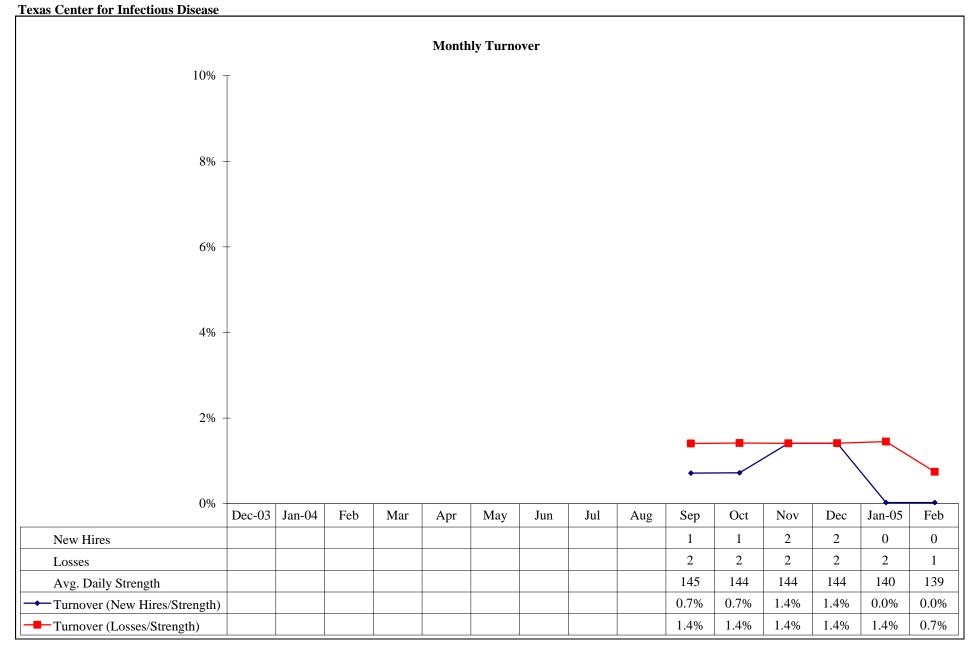
2.3%



Source: Loss Reasons by Business Unit (MHMR800-PeopleSoft) New Hires/Reinstatements/Transfers In (MHMR703F-PeopleSoft)

Measure 8A - Staff Turnover Rates

Chart: Hospital Management Data Services



Source: Loss Reasons by Business Unit (MHMR800-PeopleSoft) New Hires/Reinstatements/Transfers In (MHMR703F-PeopleSoft)

GOAL 9: Improve Organizational Performance

Performance Objective 9A:

Children and parent(s) or the legally authorized representative will be satisfied with the treatment and safe milieu provided by in state mental health hospitals by achieving the following average response on the Patient Satisfaction Surveys (PSAT).

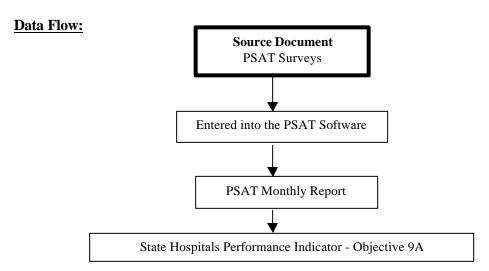
- 1. An average score of "4" on the Parent Satisfaction Survey
- 2. An average score of "1.698" on the Children Satisfaction Survey

<u>Performance Objective Operational Definition:</u> At least 20% of discharges should be sampled each month for children (age 5-12) and for parents.

<u>Performance Objective Formula:</u> PSAT System gives the frequency of response and the percent of total sample on the 5-point Likert scale for the overall score.

Performance Objective Data Display and Chart Description:

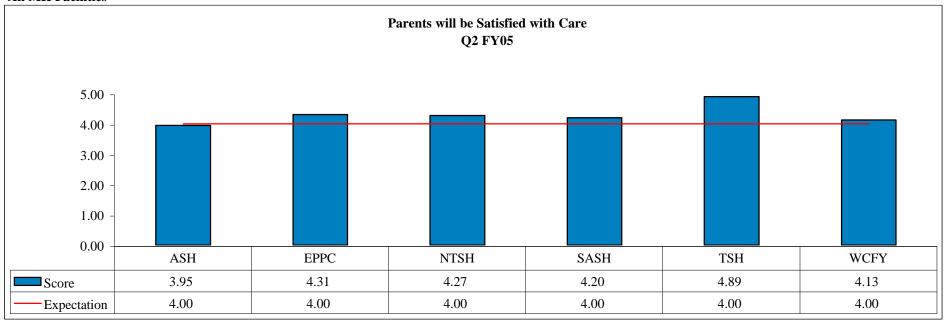
- Bar chart showing scores for individual state hospitals.
- Line chart with monthly data points of children scores and parent scores for individual state hospitals and system-wide.

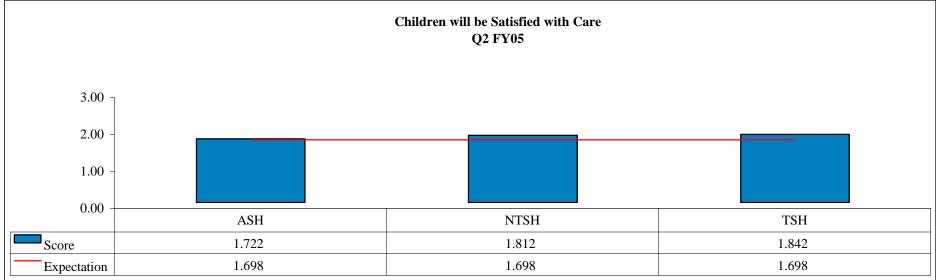


Data Integrity Review Process:

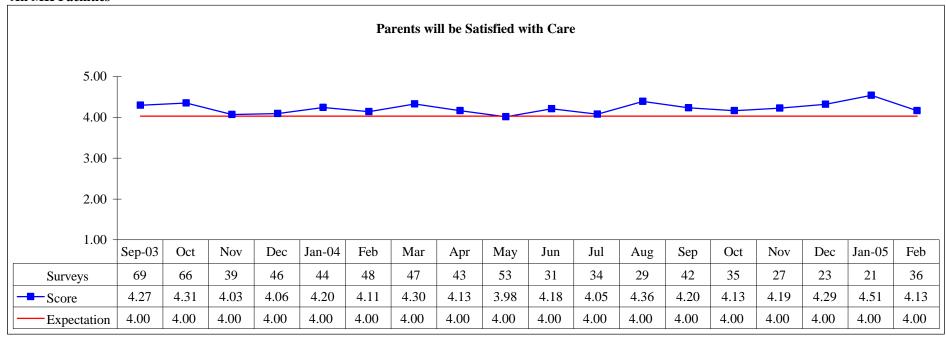
Children and parent satisfaction surveys are not subject to a data integrity review at this time.

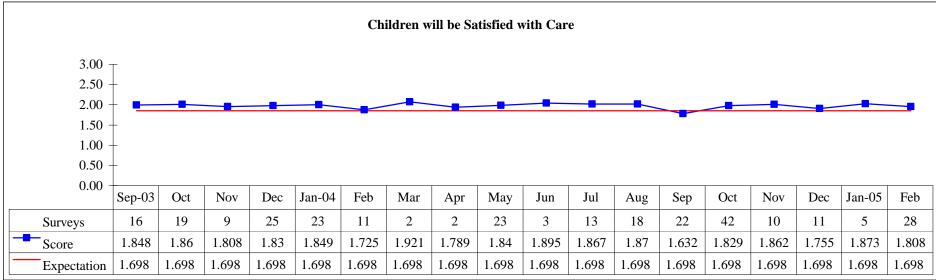
Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu All MH Facilities



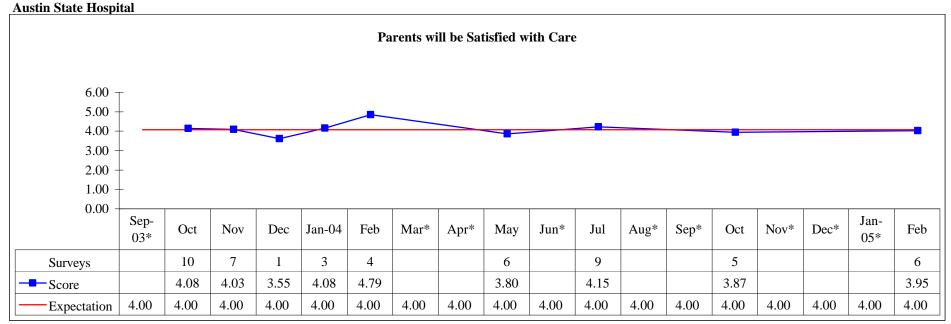


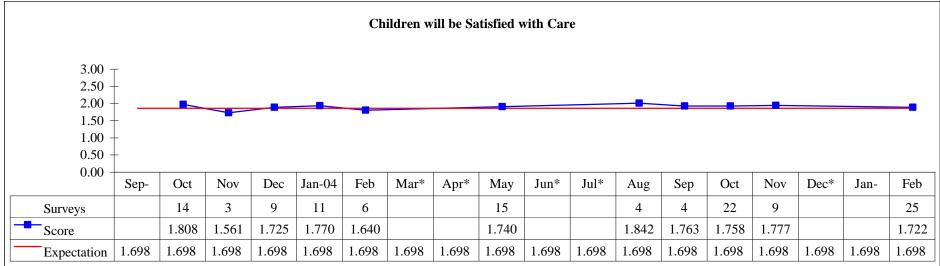
Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu All MH Facilities



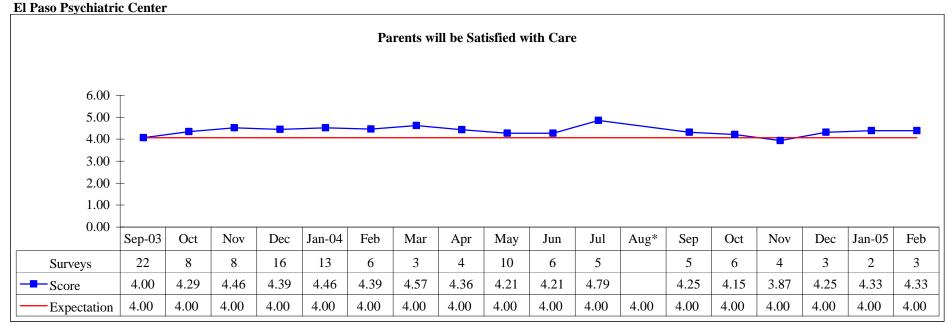


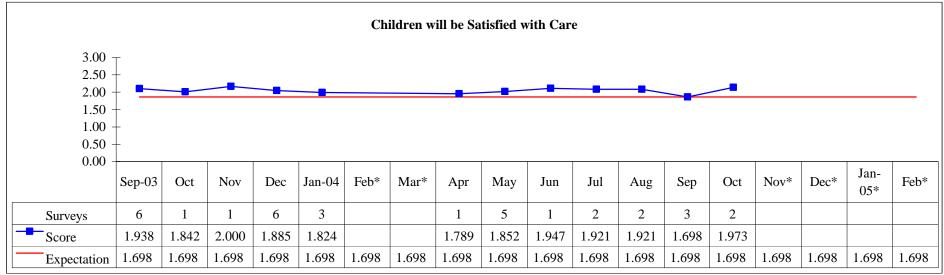
Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu



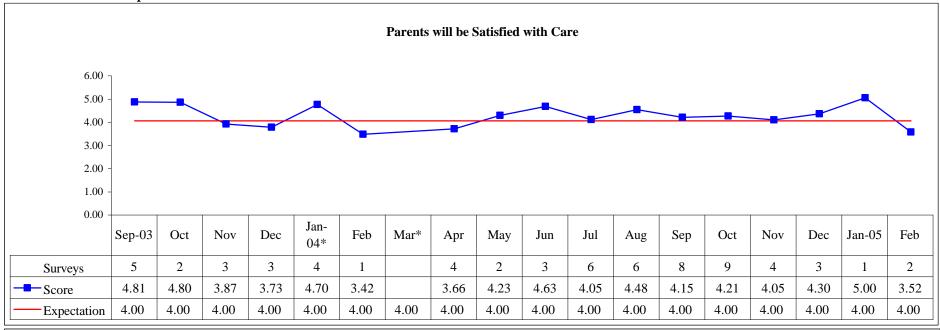


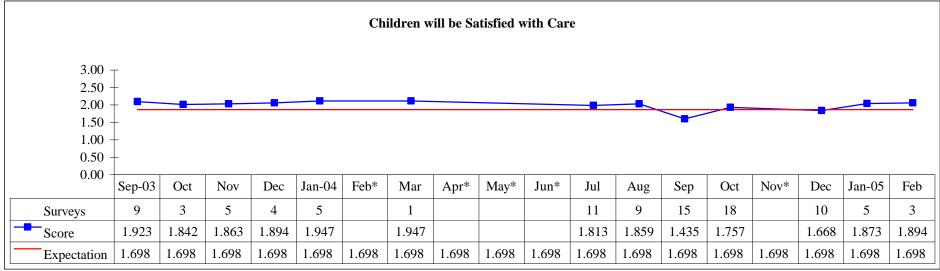
Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu



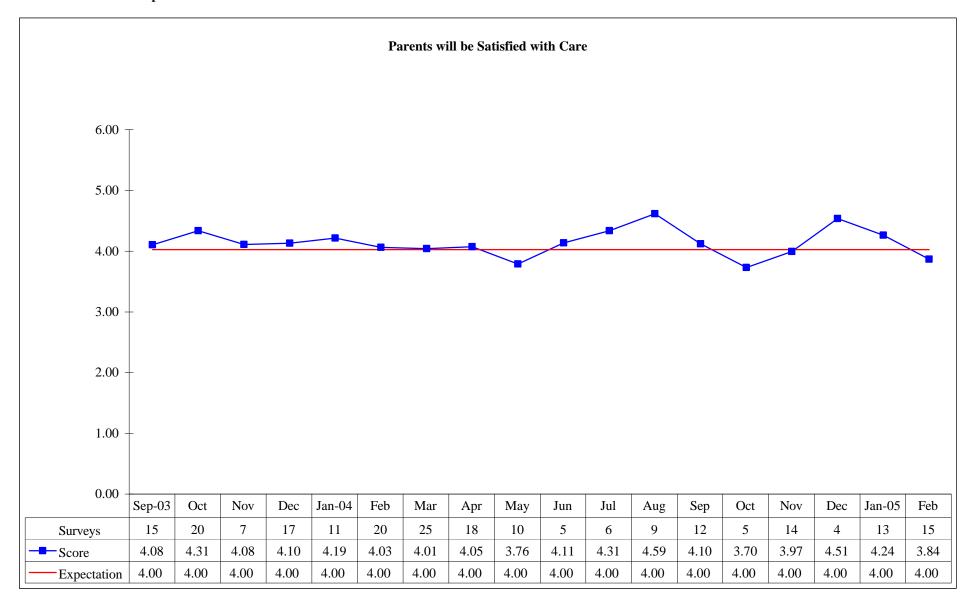


Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu North Texas State Hospital

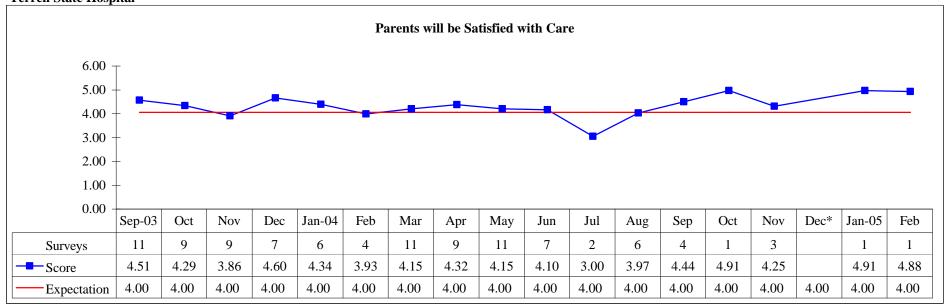


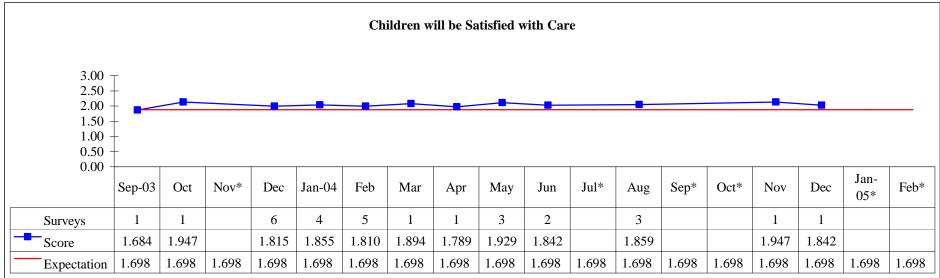


Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu San Antonio State Hospital

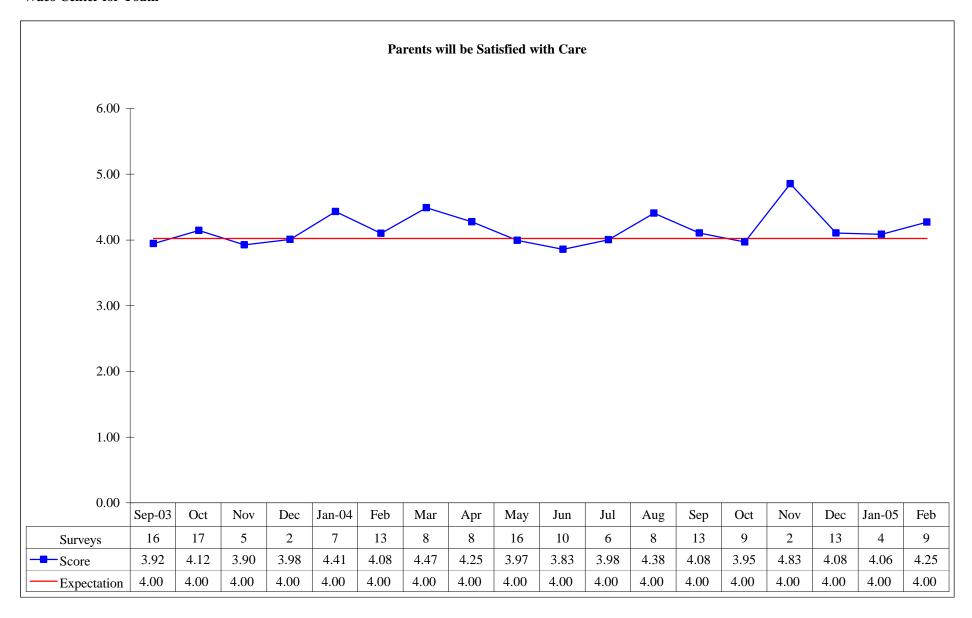


Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu Terrell State Hospital





Objective 9A - Patient Satisfaction Children and Parents will be Satisfied with Treatment and Safe Milieu Waco Center for Youth



Performance Objective 9B:

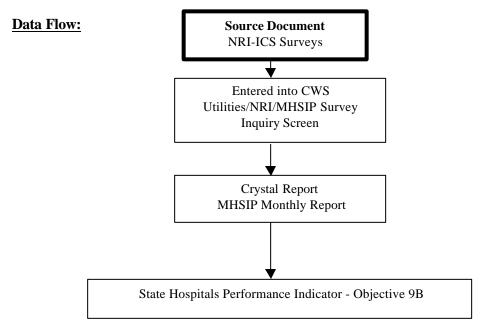
Adults and adolescents will be satisfied with their care at state mental health hospitals as represented by achieving an average score of 3.60 on the NRI Inpatient Consumer Survey (NRI-ICS).

<u>Performance Objective Operational Definition:</u> At least 25% of discharges should be sampled each month for adult and adolescent patients.

<u>Performance Objective Formula:</u> NRI-ICS gives the frequency of response and the percent of total sample on the 5-point Likert scale for the overall score.

Performance Objective Data Display and Chart Description:

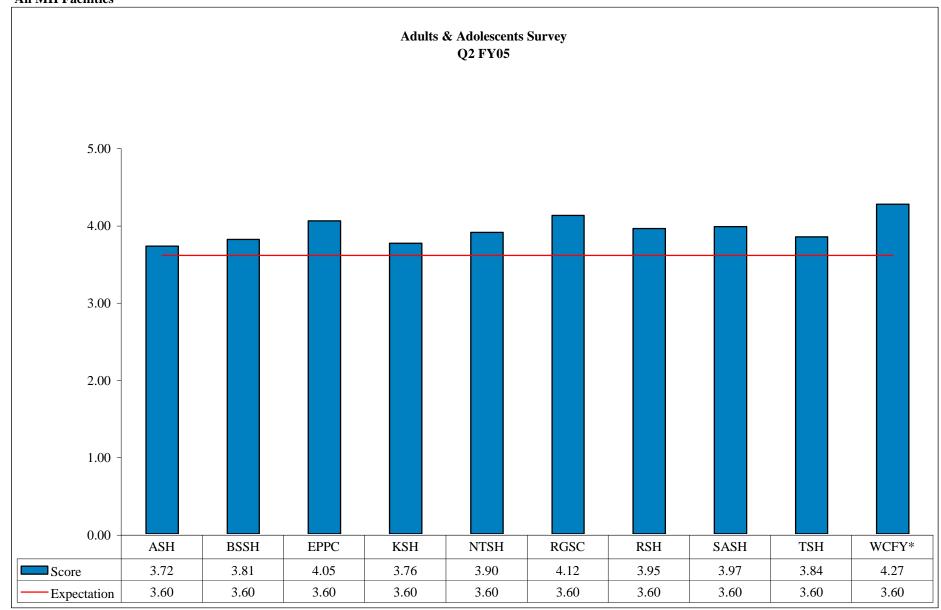
- Bar chart showing scores for individual state hospitals.
- Bar chart showing percentages of discharges surveyed for individual state hospitals.
- Control chart with monthly data points of scores for individual state hospitals and system-wide. Chart shows number of surveys, number of discharges and the percentage of discharges surveyed for individual state hospitals.



Data Integrity Review Process:

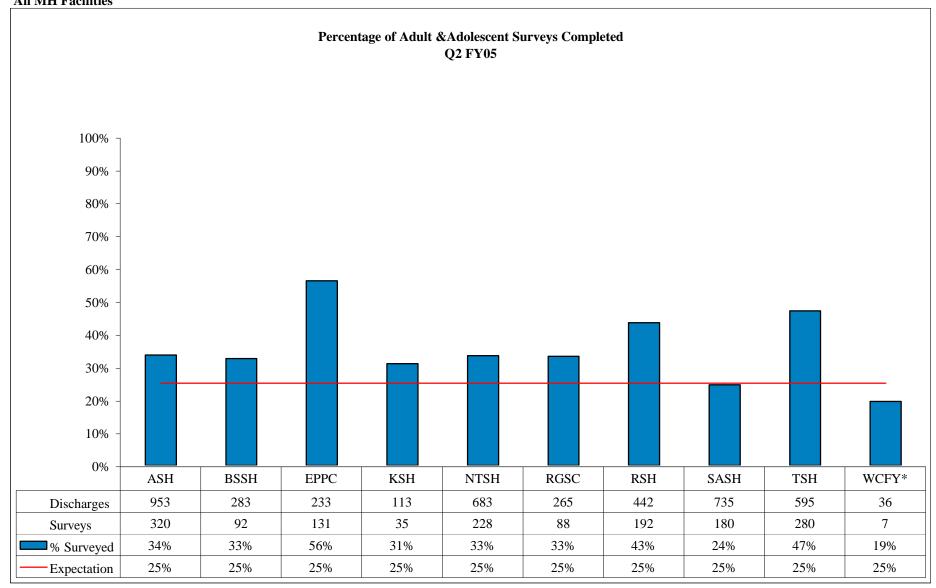
Monitoring Method	Adult patient satisfaction survey review using the most recent NRI PMS quarterly		
	episode file data to select sample.		
Monitoring Instrument/Tool	NRI Inpatient Consumer Survey sample list, audit sheet and facility hard copy		
	surveys		
Description of Review Process	Copies of the original patient surveys are audited to see if the data (survey		
	responses and demographic information) matches the corresponding information		
	found in CWS NRI ICS (MHSIP) Reports		
Sample Size	15 randomly selected surveys completed at the facility during the review period		
Monitoring Frequency	Facility: Semiannually HMDS: Annually		
Performance Improvement Trigger	When at least 3 of 15 surveys have data errors		
DIR/HMDS Report	Summary of review including data accuracy, findings and data analysis.		

Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care All MH Facilities



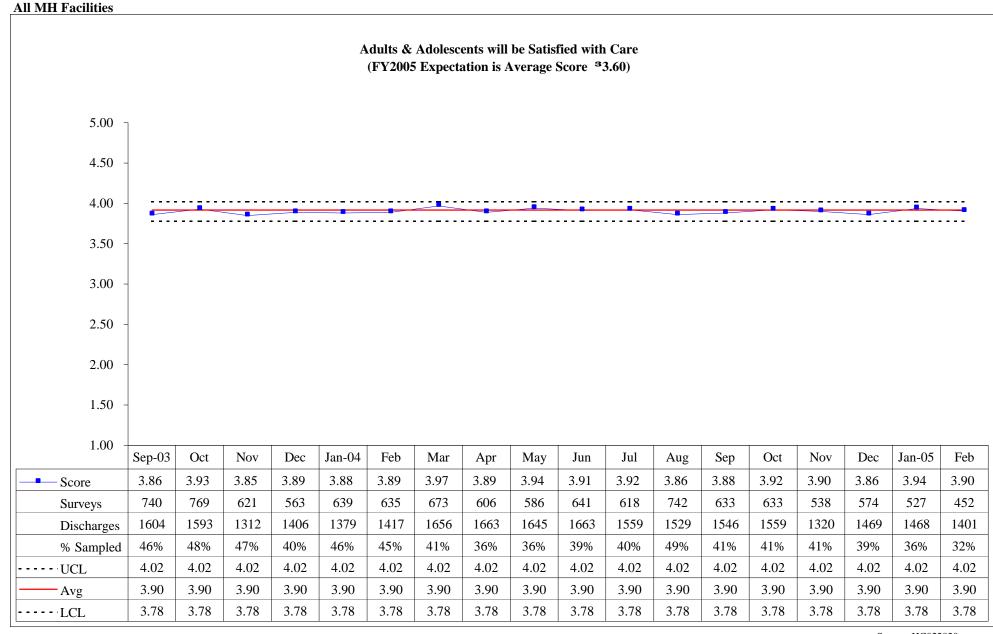
^{*}WCFY - Adolescent Surveys Only

Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care All MH Facilities



^{*}WCFY - Adolescent Surveys Only

Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care

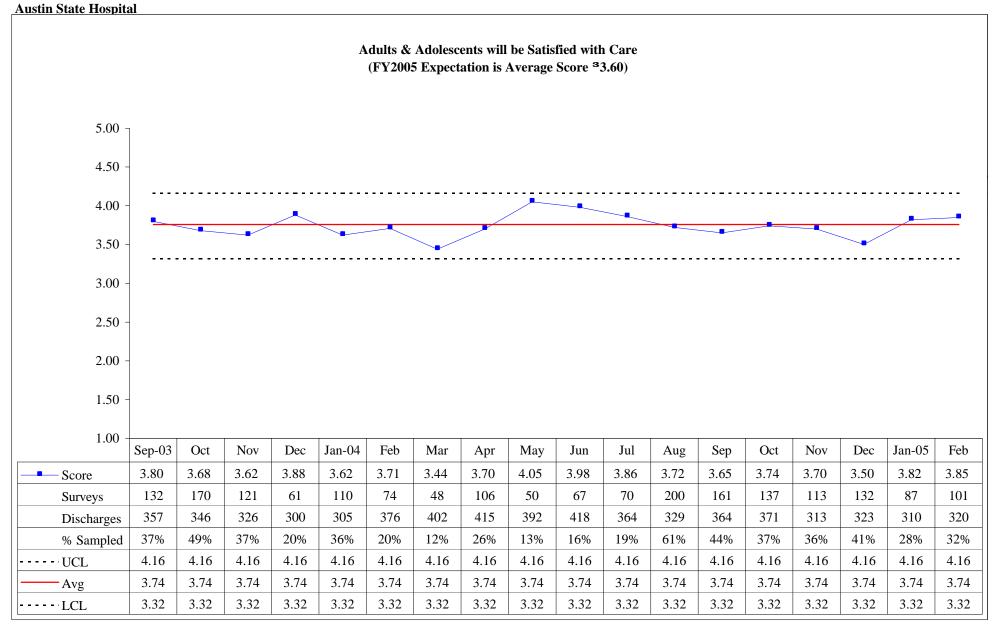


Source: HC022020; Crystal Reports: Facility MHSIP ICS Score Analysis by Domain

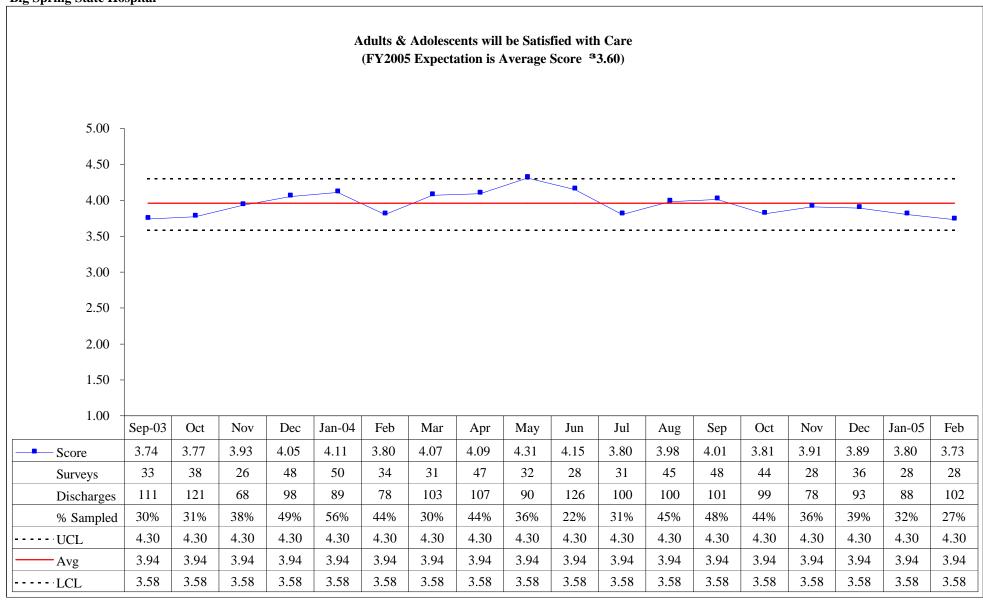
and MHSIP ICS Summary

Chart: Hospital Management Data Services

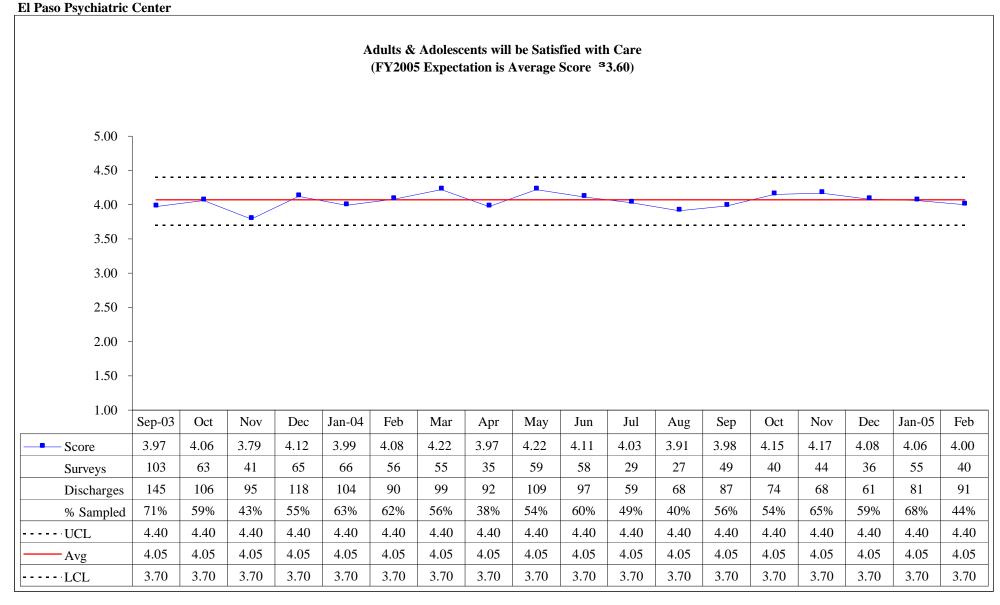
Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care



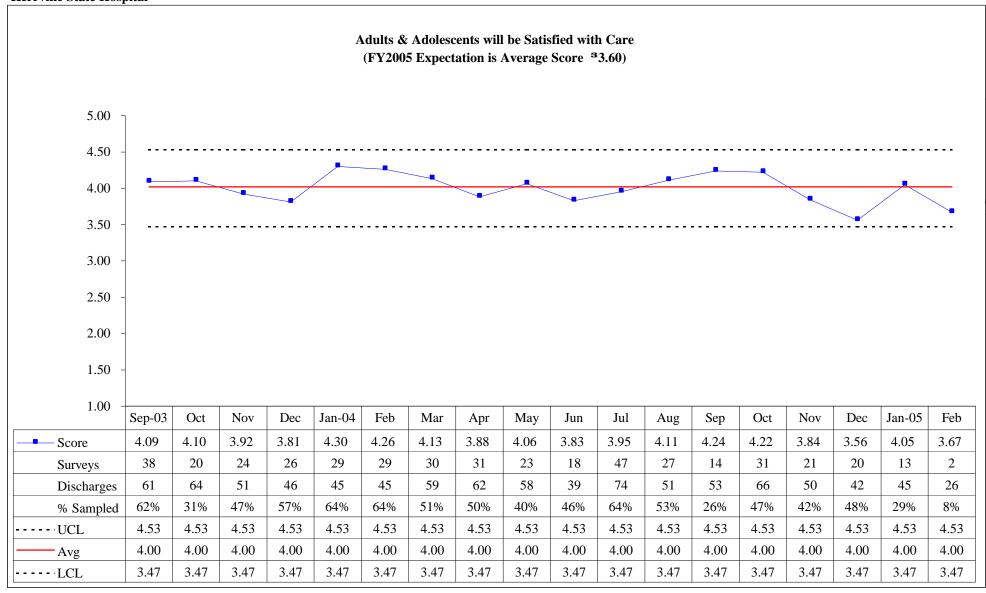
Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care Big Spring State Hospital



Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care

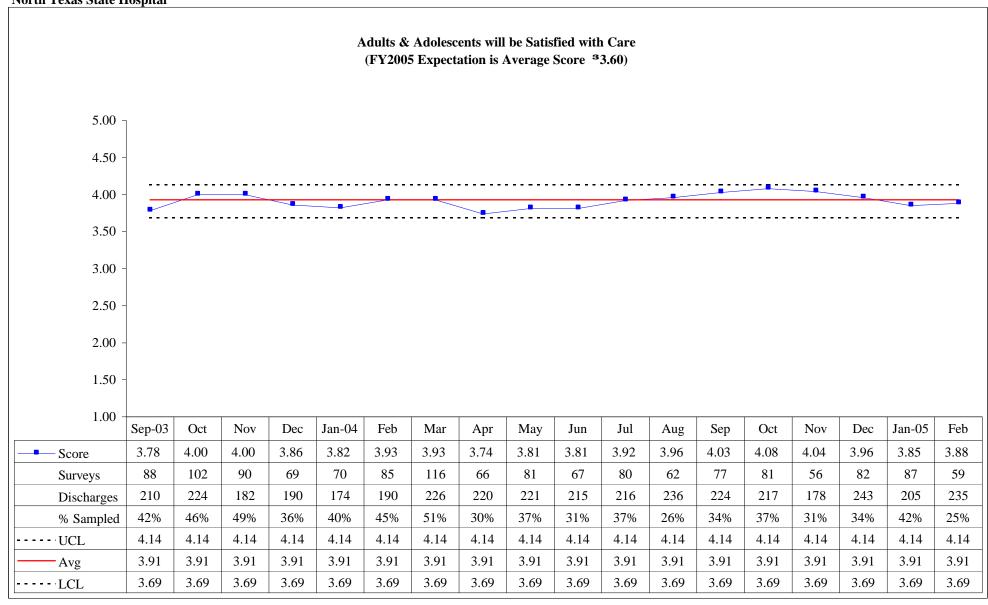


Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care Kerrville State Hospital

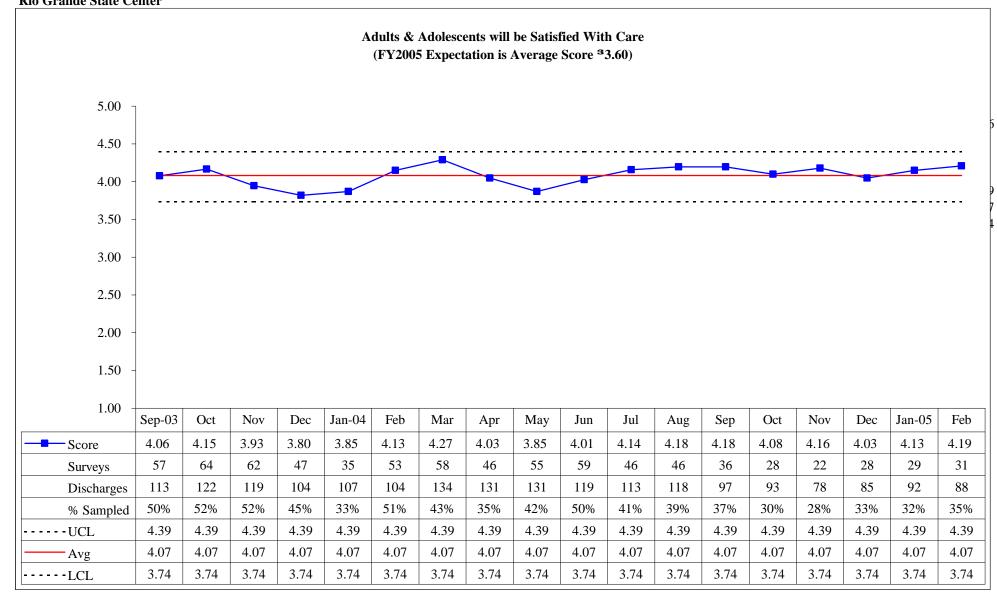


Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care North Texas State Hospital

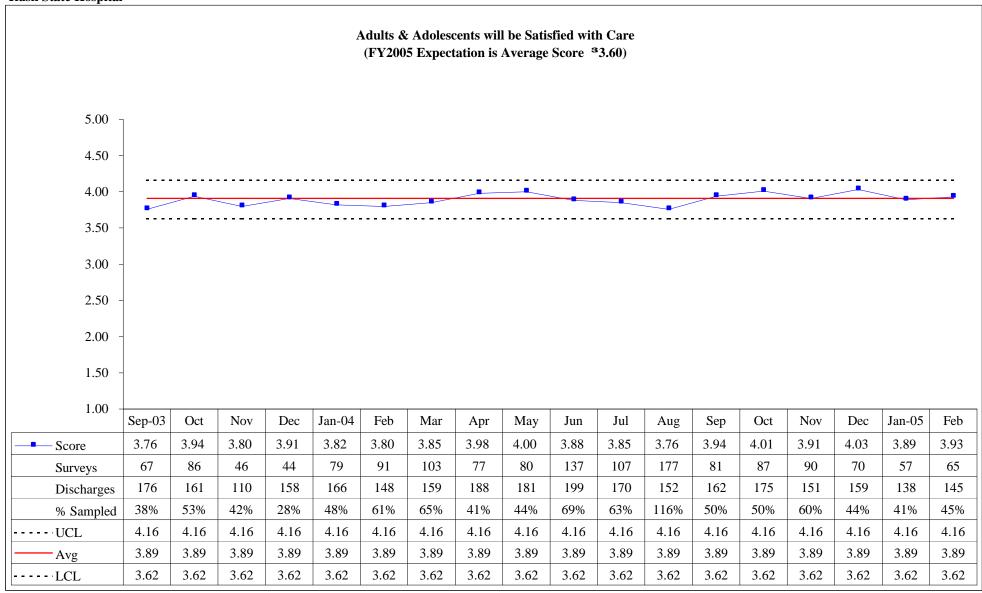
Chart: Hospital Management Data Services



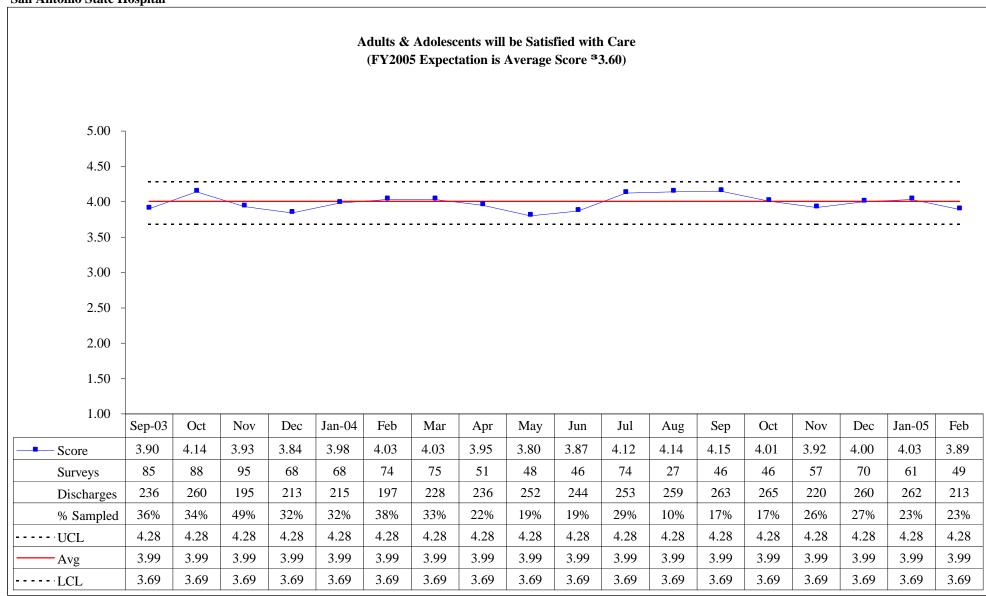
Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care Rio Grande State Center



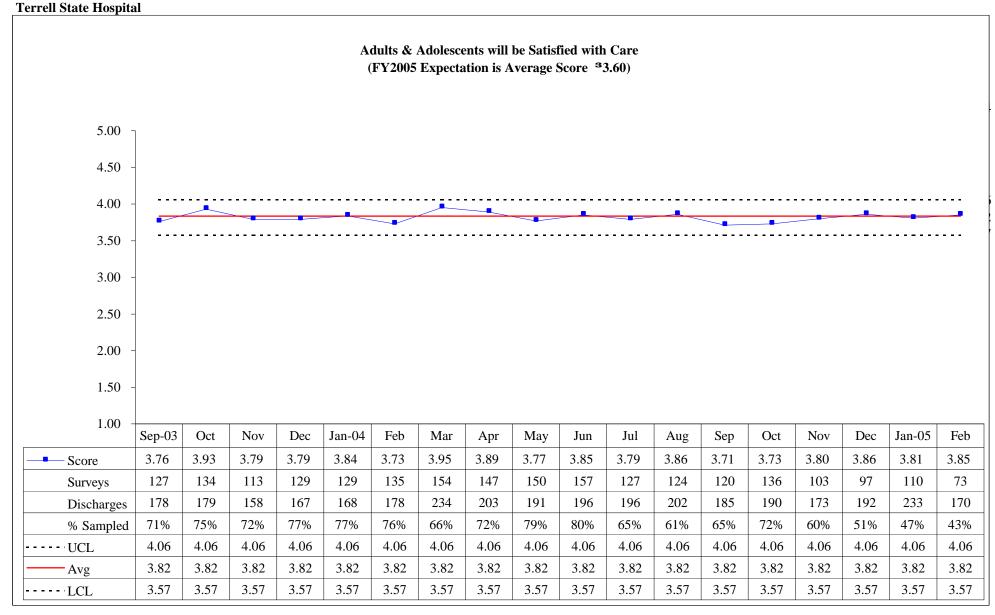
Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care Rusk State Hospital



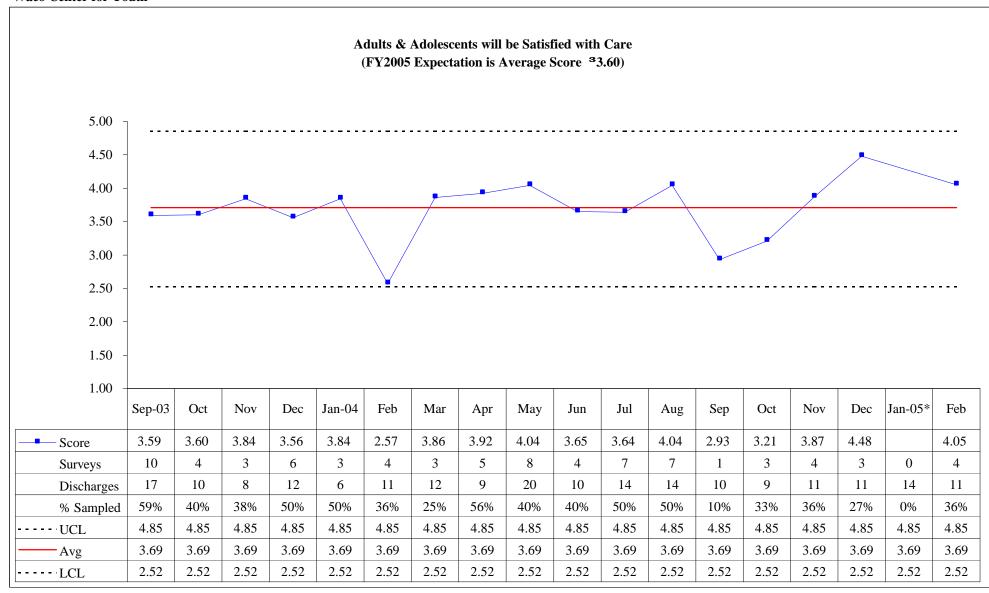
Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care San Antonio State Hospital



Objective 9B - Patient Satisfaction
Adults and Adolescents will be Satisfied with Care



Objective 9B - Patient Satisfaction Adults and Adolescents will be Satisfied with Care Waco Center for Youth



Performance Objective 9E:

Regularly scheduled assessments will be conducted using established criteria and improvement opportunities identified by each state hospital on the following Facility Support Performance Indicators (FSPI):

Fleet Management
 Fixed Assets
 Medication Room Controls

3. Maintenance 13. HRD

4. Consumer Monies 14. Facility CMM

5. Vocational Services 15. Procurement Card Controls

6. Community Relations7. Food Service16. Warehousing17. Accounting

8. Risk Management 18. Facility Personnel Actions

9. Cash Receipts 19. CAFM

10. Petty Cash 20. Information/LAN Security

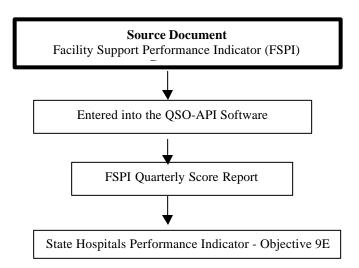
<u>Performance Objective Operational Definition:</u> The state hospital performs the self-assessment once per fiscal year according to the schedule.

Performance Objective Formula: Compliance scores for each instrument are computed as follows: [(# of yes + # of no with justification) / (# of NA – Contract Facility)] x 100.

Performance Objective Data Display and Chart Description:

- ♦ Table shows the assessment score for individual state hospitals and system-wide
- Chart shows the assessment score for individual state hospitals.

Data Flow:



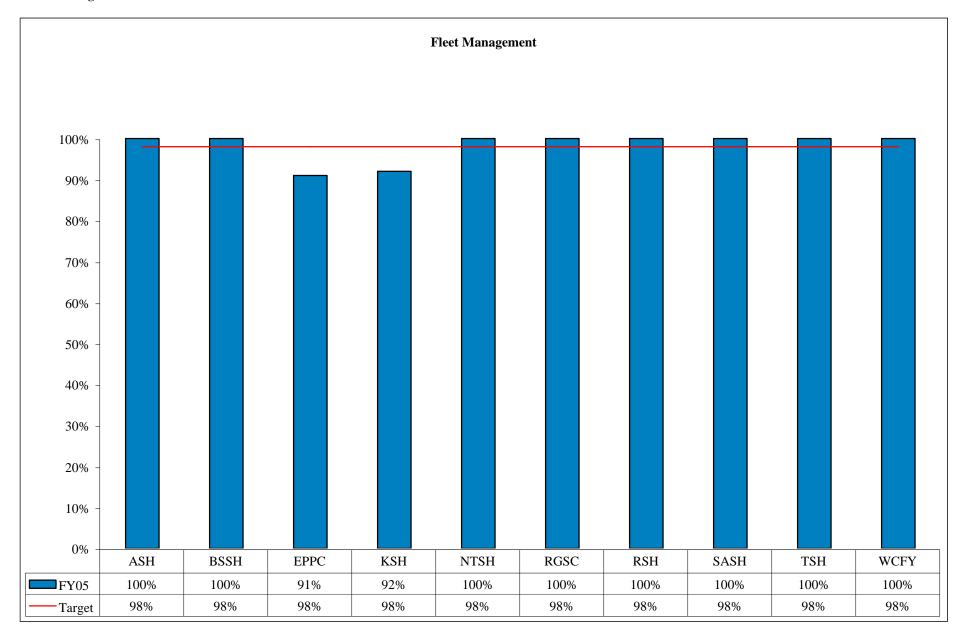
Data Integrity Review Process:

Data integrity review done through the Administrative Performance Indicators (API) Validation Audit Process.

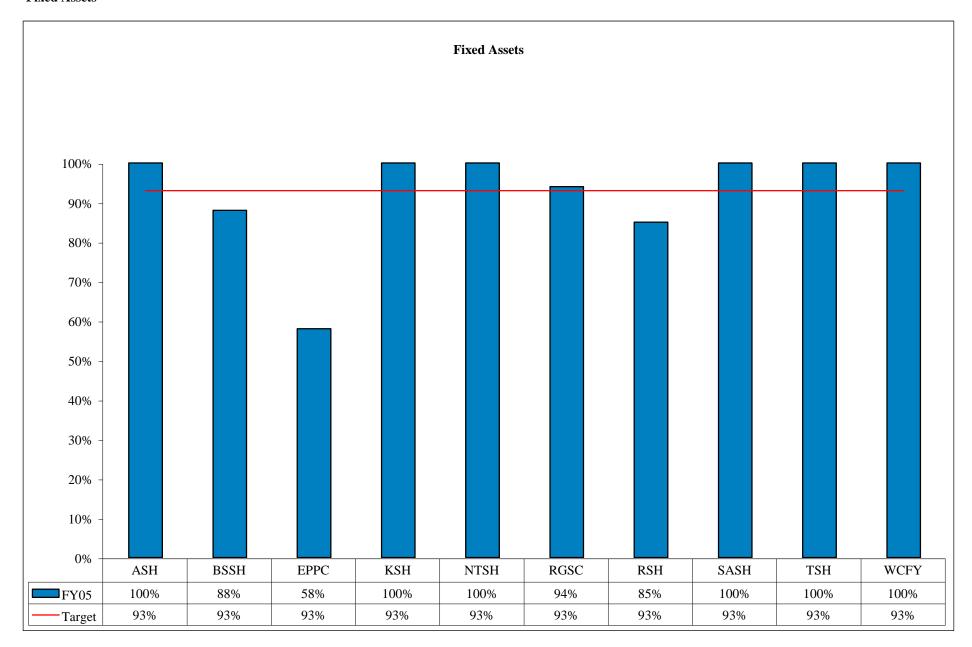
Objective 9E - Facility Support Performance Indicators All MH Facilities - FY2005

	Q1		Q2		Q3		Q4			
	Fleet Management	Fixed Assets	Maintenance	Consumer Monies & Personal Effects	Vocational Programs	Community Relations	Food Service	Risk Management	Cash Receipts	Petty Cash
Compliance Target	85%	90%	92%	90%	90%					
MH Totals	98%	93%	96%	95%	98%					
Austin State Hospital	100%	100%	100%	90%	NA					
Big Spring State Hospital	100%	88%	100%	95%	96%					
El Paso Psychiatric Center	91%	58%	88%	95%	NA					
Kerrville State Hospital	92%	100%	100%	100%	100%					
North Texas State Hospital	100%	100%	86%	100%	93%					
Rio Grande State Center	100%	94%	100%	100%	NA					
Rusk State Hospital	100%	85%	100%	100%	100%					
San Antonio State Hospital	100%	100%	100%	100%	100%					
Terrell State Hospital	100%	100%	100%	95%	100%					
Waco Center For Youth	100%	100%	82%	70%	NA					

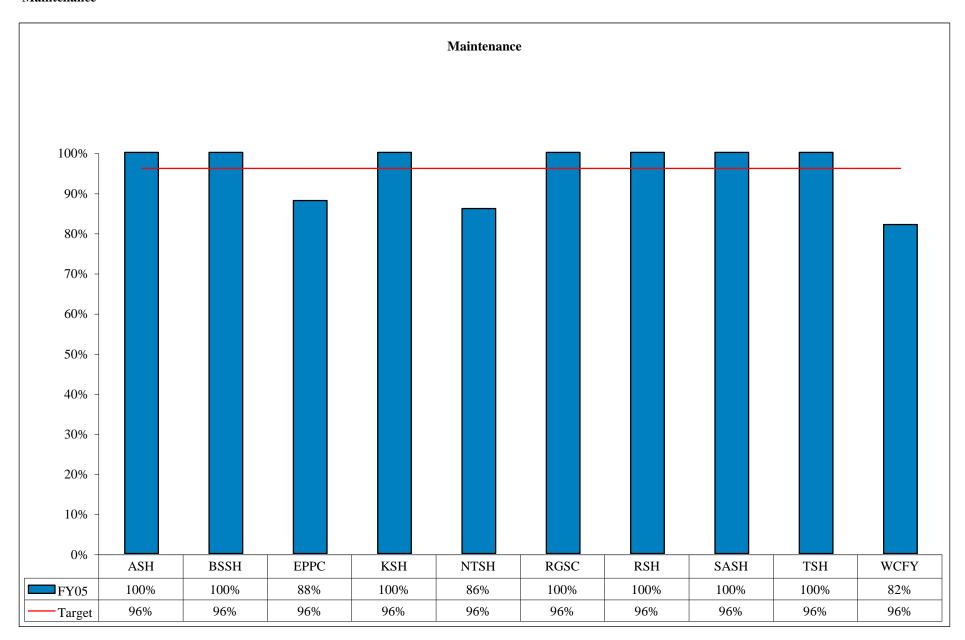
Objective 9E - Facility Support Performance Indicators All MH Facilities Fleet Management



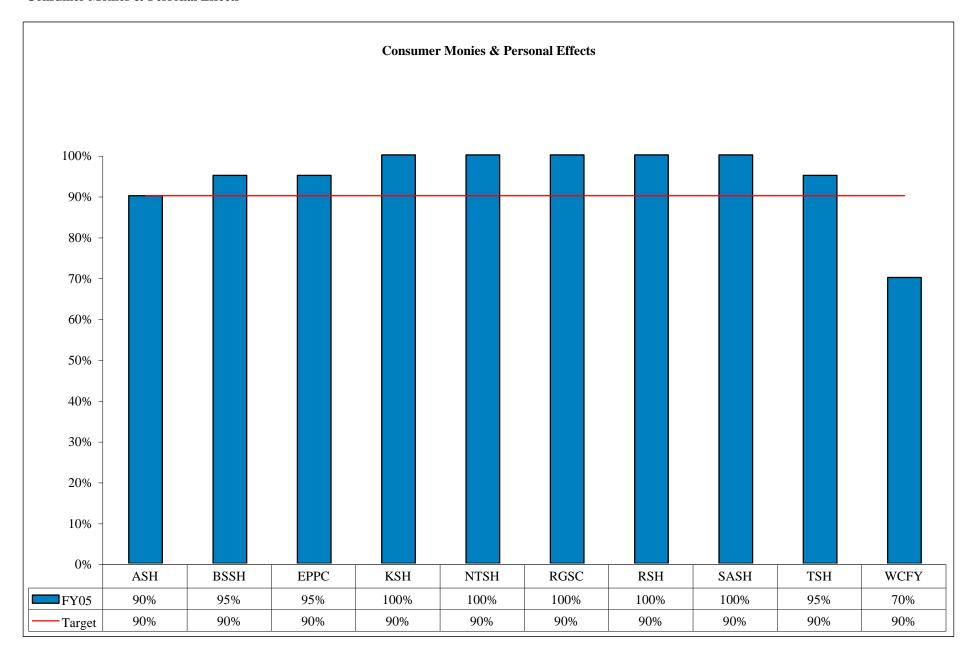
Objective 9E - Facility Support Performance Indicators All MH Facilities Fixed Assets



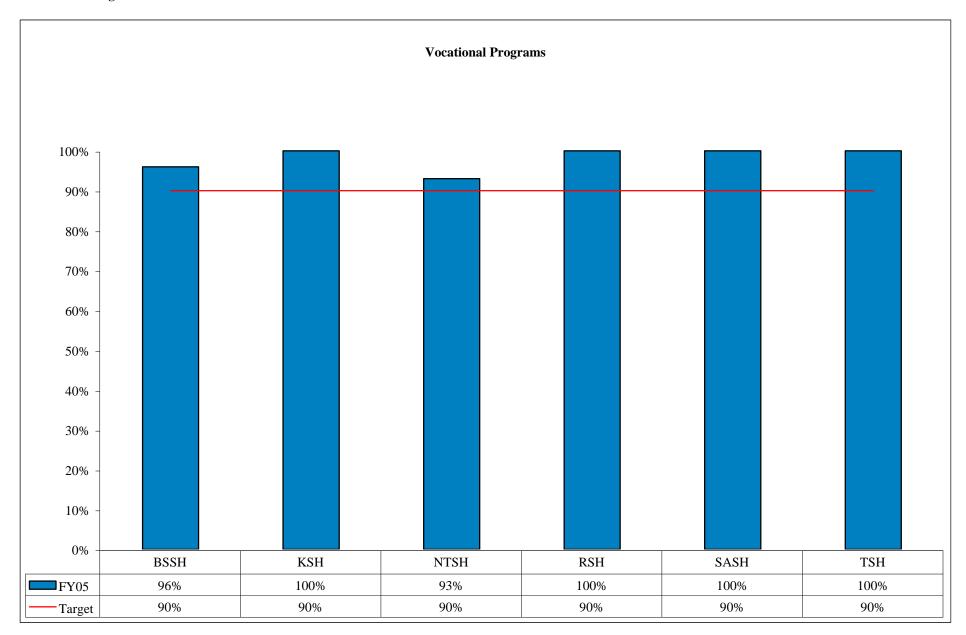
Objective 9E - Facility Support Performance Indicators All MH Facilities Maintenance



Objective 9E - Facility Support Performance Indicators All MH Facilities Consumer Monies & Personal Effects



Objective 9E - Facility Support Performance Indicators All MH Facilities Vocational Programs



Starting with the 1st Quarter FY99 Performance Indicator Books, control chart upper and lower control limits are being included in some of the performance indicator graphs. The purpose of this paper is to answer the following questions:

- Why use control charts?
- What information does control charts provide?
- What kind of control chart is used and what is the formula?
- Can control chart analysis be applied to other data as well?

Why use control charts?

One reason to start using control charts is because the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) is going to use that methodology to analyze our data. Through the ORYX initiative, the JCAHO will use two types of analysis on the data we will be transmitting to them; control chart analysis and comparative analysis. JCAHO will apply control chart analysis starting with the two initial indicators we will be transmitting to them by the 1st calendar quarter of 1999 for data collected during the 3rd calendar quarter 1998. That gives us a six month advantage on analyzing our data using control charts, before JCAHO does the same. We need to be prepared. Also, during recent JCAHO site visits, we have been "encouraged" to provide more analysis of the data we present. Control chart interpretations and analysis provides a good framework for doing exactly that.

Another reason for analyzing data with control charts is because it is the right thing to do in order to understand variation in data. Even more important, if action is to be taken because of what signals the data is sending, then we need to be prepared to take the RIGHT action.

No matter what the process, no matter what the data, *all* data display variation. Any measure that is of interest to governing body will vary from time period to time period. The reasons for the variation are many. There are all sorts of causes that have an impact on the process measured. For example, how many causes or reasons can be thought of for client injuries? How may causes for client abuse and neglect? The processes and systems we measure could be subject to dozens, even hundreds, of cause-and-effect relationships. This means it is easy to come up with a reason for the current value (or any value), but it also means it is very difficult to know if the explanation is even close to being right. If you ask for an explanation for any one incident, you will receive at least one of the possibly hundreds of causes. Even if you are successful in correcting that one cause, there is a very good chance you will have negligible impact on the system. In fact, you run a high risk of making things worse.

A major issue is that we may be uncertain of our explanation or cause. But what is there to do about it? How can we interpret the current value when the previous values are so variable? One good proven approach is using statistical process control or control charts. We must use them to insure correct explanation and therefore improve our chances of choosing the correct remedy or course of action.

What information does control charts provide?

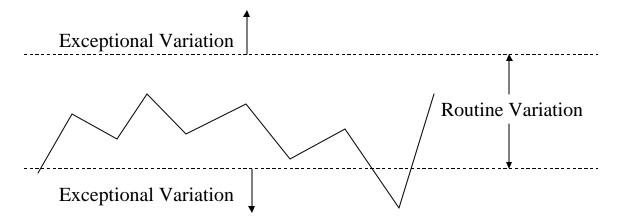
The key to understanding what information control charts provide is to make a distinction between two types of variation. The first type of variation is routine variation. It is always present. It is unavoidable. It is inherent in the process. Because this type of variation is routine, it is also predictable. The second type of variation is exceptional variation. It is not always present. It is not routine. It comes and goes. Because this type of variation is exceptional variation, it is unpredictable.

The first benefit of this distinction is that it provides a way to know what to expect in the future, which is the essence of management.

While every process displays variation, some processes display predictable variation, while others display unpredictable variation.

Don Wheeler, Building Continual Improvement.

So how do we put these concepts into practice? We need a way to detect the presence of exceptional variation. Then we can characterize our processes as being predictable or unpredictable. In order to obtain signals of exceptional variation we will compute limits for the running record of our data. As shown below, the idea is to establish limits that will allow us to distinguish between routine variation and exceptional variation.



If we compute values that place the limits too close together we will get false alarms (or false signals) when routine variation causes a point to fall outside the lines by chance. This is the first type of mistake we could make. We could avoid this mistake entirely by computing the limits that are too far apart.

But if we have the limits too far apart we will miss some signals of exceptional variation. This is the second type of mistake we could make. We can minimize the occurrence of this mistake only by having the limits close together.

The trick is to strike a balance between the consequences of these two mistakes, and this is exactly what Walter Shewhart did when he created the control chart. Shewhart's choice of limits will bracket approximately 99% to 100% of the routine variation. As a result, whenever you have a value outside the limits you can be reasonably sure that the value is the result of exceptional variation.

The variation within the control limits will be predictable and have many cause-and-effect relationships. When a process displays unpredictable variation, then the variation must be due to the many predictable common causes *plus* some *additional* causes. Since the sum is unpredictable, we must conclude the unpredictable causes dominate the common cause variation. What this means is, **we must investigate the unpredictable causes first.** Shewhart called these unpredictable dominant causes assignable causes. Deming and others call them special causes and the predictable common cause variation as being systemic causes. Systemic in the sense that the causes are inherent and predictable in the process under scrutiny and that they will remain as causes producing the predictable variation as long as the system goes unchanged.

Therefore, with this knowledge of what produces the measure or process variation, the correct actions can be taken. Actions should address unpredictable or special causes first. This is usually referred to as problem solving or "fighting fires". It is necessary and is important to understand and "fix" the special causes first. If unpredictable or special causes are not corrected first, there is a very high probability that the wrong actions will be taken. Changing a major portion of the process would be premature and could even make things worse (a.k.a. tampering). For example, suppose that one person on a living unit makes a mistake that produces a sudden rise in medication errors. The action taken is a reprimand is issued to everyone to pay close attention to medication errors and prevent them in the future. Many people who have been doing a good job, become demoralized or upset over being indirectly accused of errors. The action was taken on the system as a whole instead of uncovering the exceptional cause of the sudden increase in medication errors.

If no evidence of exceptional or unpredictable or special cause is seen in the control chart, then what action should be taken? The process is predictable or "in control". Should no action be taken? If, for example, the control chart shows that the system is predictably producing 20 injuries a month and that there is no special causes evident, then should nothing be done? Of course something should be done. Action or remedies to reducing and preventing injuries should concentrate on systemic causes, that is, causes inherent in the system producing the injuries. The injuries are not wanted, but nevertheless, are being produced consistently and predictably. The injuries that will be produced predictably in the future, unless action is taken in first finding the significant systemic causes and then taking action on those causes and finally measuring the effect of the actions in relation to reducing or eliminating the problem, in this case injuries.

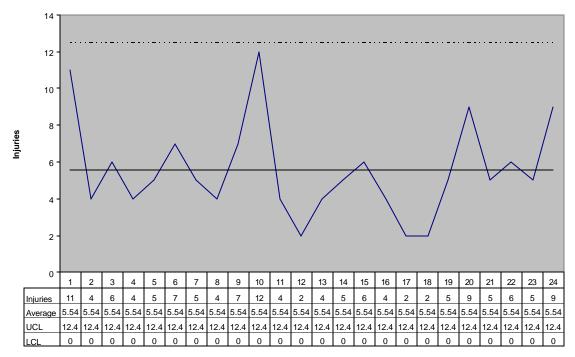
Thus the path to process improvement depends upon what type of variation is present. This is the essence and value of using control chart to understand and analyze the variation present.

- If a process displays predictable variation, then the variation is the result of many common causes and it will be a waste of time to look for assignable causes. Improvement will only come by changing a major portion of the process.
- If a process displays unpredictable variation, then in addition to the common cause variation there is an extra amount of variation that is the result of one or more assignable causes. Improvement will come by finding and removing the assignable causes. Changing a major portion of the process will be premature.

One additional point about control charts is vital. Control charts *do not show specifications* for a process. They do not show targets or goals. They do not show the voice of the customer. Control charts show the voice of the process. They let us see how the process or system is currently working and detect signals that guide us in improving the process or system. They do not show how the process or system *should be* working. For example, the customer may want client injuries below last year's injuries. Maybe management wants injuries to be reduced 20 percent. These two examples are goals or statements related to the voice of the customer. The control chart shows what the system is currently capable of producing if it stays unchanged. The current system can be compared to what the customer wants. To meet the voice of the customer, a plan of action is necessary with measurements to indicate how the voice of the process is meeting or moving towards the voice of the customer.

What kind of control chart is used and what is the formula?

The control limits in the control charts in the performance measurement book will use a basic process behavior chart called the XmR chart. The XmR chart is also known as the chart for individual values and a moving range. Let us look at some example monthly injury data plotted in a XmR chart. Here is how the chart looks.



The XmR Chart for Monthly Injuries

Below the chart is a table showing the example injury data by month. There are 24 months of injuries shown and the average number of injuries is 5.54. We show this value as a central line for the plot. The use of a central line provides a visual reference to use in looking for trends in the values. No trend is seen in these injury values. In order to compute the upper control limits (UCL) and the lower control limits (LCL) which will filter out the noise of the routine variation, we will need to measure the routine variation. To do this we will compute moving ranges for the injury data. The moving ranges are the differences between successive values. The following table shows the moving range values for each of the 23 months. Note that the first month's moving range cannot be calculated so it is left blank. The number of moving range values is always N-1.

Month	Injuries	Moving Ranges	UCL	LCL	LCL
1	11		12.48	-1.40	0
2	4	7	12.48	-1.40	0
3	6	2	12.48	-1.40	0
4	4	2	12.48	-1.40	0
5	5	1	12.48	-1.40	0
6	7	2	12.48	-1.40	0
7	5	2	12.48	-1.40	0
8	4	1	12.48	-1.40	0
9	7	3	12.48	-1.40	0
10	12	5	12.48	-1.40	0
11	4	8	12.48	-1.40	0
12	2	2	12.48	-1.40	0
13	4	2	12.48	-1.40	0
14	5	1	12.48	-1.40	0
15	6	1	12.48	-1.40	0
16	4	2	12.48	-1.40	0
17	2	2	12.48		0
18	2	0	12.48	-1.40	0
19	5	3	12.48		0
20	9	4	12.48	-1.40	0
21	5	4	12.48	-1.40	0
22	6	1	12.48	-1.40	0
23	5	1	12.48	-1.40	0
24	9	4		-1.40	0
Average	5.54	2.61			

Since moving ranges are used to measure variation, we do not care what the sign if the difference might be. Thus, if you get a negative value for a moving range, you change the sign and record a positive value, as in the example above. Moving ranges are always zero or positive.

The upper and lower limits for the individual data (e.g. monthly injury data) are *called Natural Process Limits*. They are centered on the central or average line. The distance from the central line to either of these limits is computed by multiplying the average moving range by a scaling factor of 2.66. The value of 2.66 is a constant for this type of process behavior chart, and is the value required to convert the average moving range into the appropriate amount of spread for the individual values. The *Upper Process Limit* is found by multiplying the average moving range by 2.66, and then adding the product to the central line of the X chart. The *Lower Process Limit* is found by multiplying the average moving range by 2.66, and then subtracting the product from the central line of the X chart.

In the table above, you see the computed upper control limit (UCL) and lower control limit (LCL). Since the injury data is counts of injuries, a negative LCL is meaningless - counts cannot be negative. Therefore, we have a one-sided X chart with a boundary condition on the bottom (zero) and a Natural Process Limit on the top.

The UCL and LCL are usually plotted on the graph as a dashed line and the average is usually a solid line as in the example plot above. The example data's limits define bands of routine variation for the individual injury data. As long as the number of injuries stay between 0 and 12.5, there is no evidence of exceptional variation. The variation here can be explained as pure noise. There is no evidence of any signals. When a process is predictable the Natural Process Limits define what to expect in the future. From the graph above, we should expect this process to continue to produce counts that cluster around 5.5, and vary from 0 to 12.5. Unless something is done to change the system that is producing these injuries, we can predict that this average number of injuries will continue.

Thus the process behavior chart allows you to:

- Characterize a process as predictable or unpredictable
- Identify points that represent exceptional variation

- Predict the average level to expect from a predictable process in the future
- Characterize the amount of routine variation to expect from a predictable process in the future

It must be noted at this point that there are actually three ways to detect assignable causes: points outside the limits (the most common method and the one discussed above), runs near the limits, and runs about the central line.

Three Rules for Detecting Assignable Causes

Detection Rule One: Points Outside the Limits

A single point outside the computed limits will be taken as an indication of the presence of an assignable cause which has a dominant effect.

Detection Rule Two: Runs Near the Limits

Three out of three, or three out of four successive values in the upper (or lower) 25% of the region between the limits will be taken as an indication of the presence of an assignable cause which has a *moderate* but sustained effect.

Detection Rule Three: Runs About the Central Line

Eight successive values on the same side of the central line will be taken as an indication of the presence of an assignable cause which has a *weak* but sustained effect.

Can control chart analysis be applied to other data as well?

The majority of trend data that we collect within the MHMR system is single point or individual data points. For example, daily, weekly, monthly or quarterly data having one data point per point in time. For this reason, the XmR chart is the most appropriate control chart to use. You are encouraged to plot your own local data on a trend line and apply control limits as described above. Simply plotting the data, even without control limits added, can be very enlightening. Of course, the addition of the control limits gives guidance to the type of action that is needed to continuously improve the process under scrutiny. Also, there are other types of control charts to pick from, depending on the data and how it is collected. Please refer to the sources at the end of this paper, or contact Management Data Service in Central Office.

Too often we produce faulty interpretation of numbers. Sometimes, this faulty interpretation can lead to commendations or reprimands. The faulty interpretations, invariably, are a result of the premise that "two numbers which are not the same are different." This concept is simple, straightforward and WRONG. In, fact, it is wrong on several levels. Even if we measure the same thing with precision, we commonly obtain different values. Even in accounting this is true because every accounting figure is dependent upon the assumptions or categorizations that were required for the computation. There is also the problem of measuring something at different points in time. Raw inputs change such as the people doing the work or measurements, the way things are counted, the delays of getting inputs entered into the system and a myriad of other possible factors. In practice, there is a certain amount of variation *over time* in every measure.

Another very important consideration to keep in mind is related to the problem of comparing measures of different things. When different regions are compared using common measures there is the problem of whether or not the measures were collected and computed in the same way. If the assumptions and decisions necessary to collect the raw data and to compute the measures are not all exactly the same, then it is unrealistic to assume that the measures for the different regions are comparable. Even if the two regions performed exactly the same, they would not necessarily get the same values on a given measure. Thus, in practice, there is a certain amount of variation from *place to place* in every measure.

Given these multiple sources of variation in our measures, we should always make a distinction between the numbers themselves and the properties which the numbers represent. Of course, this is precisely what is not done when numbers are used to create rankings. The rank ordering of the values is transferred over to the items represented by those values, regardless of whether or not the items being ranked actually differ. No allowance is made for variation.

Whenever actions are taken based upon the assumption that any numerical difference is a real difference, those actions will ultimately be arbitrary and capricious. This is an inevitable consequence of the fact that the assumption ignores the effects of variation. Variation is random and miscellaneous, and it undermines all simple and naïve

attempts to interpret numbers. And yet our lives are governed by such interpretations of numbers. Any time the value of some measure changes, people are required to identify the source of that change, and then to take steps to keep it from happening again. We hear calls of "What happened?" or similar "accountability" questions, the explanation for "variances", and "tighter" control. The result is man-made chaos. This is why you should always look at how your data varies over time, plot control limits, then make a more informed decision of what action to take or not take. Analysis focuses on "why" there are differences. Descriptive summaries are inadequate. They may be used as part of the analysis, but you cannot interpret the descriptive summaries at face value. Use control charts!

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