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INTRODUCTION



During FY 2007 the Government Performance and Results Act (GPRA) continued to provide quality healthcare assessment for the Indian Health Service (IHS). The IHS Annual Performance Plan includes GPRA measures that track clinical performance in the categories of treatment and prevention. GPRA assesses Agency performance in the areas of: Diabetes, Oral Health, Immunizations, Cancer Screening, Behavioral Health, Cardiovascular Disease Prevention, HIV, Obesity, and Tobacco Cessation. This 12-Area Summary Report provides a comparison of GPRA measure results for all IHS Areas.

This report is a companion document to the 2007 National Summary Report and is designed to provide Indian Health Service executives and staff with comparative information about Area-level performance. It contains data about selected clinical measures that were collected at IHS Direct and Tribal healthcare facilities using the Resource Patient Management System (RPMS) and extracted using Clinical Reporting System (CRS) software, version 7.0. All measures outlined in this report are obtained from the National GPRA report submitted by each facility using the CRS software.

The graphs for each clinical measure display results by Area for GPRA Year (GY) 2007 and GY 2006. The GPRA year begins July 1 and ends June 30. The graphs also include definitions of the numerator and denominator for each measure, as well as the specific number of patients (N) in the denominator for each measure. Each graph also indicates the IHS national average for GY07 and GY06 and includes either the Healthy People 2010 or IHS 2010 goal for the measure.

Areas can use these graphs to review any changes in their performance from GY 2006 to GY 2007, to compare their performance to that of other Areas or to the national average, and to assess their progress towards achieving long-term goals. The information presented in this report was extracted from the RPMS databases of 191 Tribal and IHS direct health programs distributed among the 12 IHS Service Areas (Aberdeen, Alaska, Albuquerque, Bemidji, Billings, California, Nashville, Navajo, Oklahoma, Phoenix, Portland, and Tucson).



POPULATION DESCRIPTION: BY AREA



2007 GPRA Reporting Population

1,246,416 patients

Approximate User Population represented = **86%** in GPRA

<u>IHS AREA</u>	Number of IHS/ Tribal Facilities <u>reporting GPRA</u> 2007	GPRA Population	NPIRS Population 2006	Percent Reporting 2007	Percent Reporting 2006
Aberdeen	19	122,677	118,347	100%	100%
Alaska	12	115,073	130,682	88%	92%
Albuquerque	9	80,039	86,504	93%	95%
Bemidji	17	57,888	98,825	59%	58%
Billings	6	56,407	70,384	80%	80%
California	23	64,651	74,248	87%	95%
Nashville	17	39,475	47,356	83%	80%
Navajo	8	224,967	236,893	95%	94%
Oklahoma	31	221,350	309,542	72%	82%
Phoenix	17	156,524	150,886	100%	100%
Portland	29	89,028	100,395	89%	80%
Tucson	3	18,337	24,164	76%	74%
Total, All Areas	191	1,246,416	1,448,226	86%	90%

To calculate the percent reporting for a given year, GPRA population counts are compared to the NPIRS population count for the previous year. Due to reporting timelines, we are unable to obtain current year NPIRS data for comparison. In addition, NPIRS population estimates are unduplicated and therefore more representative of the true population. Due to this reason some GPRA population counts are overestimated.

Population Comparisons: Numerator: 2007 GPRA User Population - Denominator: 2006 (previous year) NPIRS Active Indian Registrants

NUMERATOR: The numerator is the number of patients who meet the logic criteria for a performance measure.

DENOMINATOR: The denominator for a performance measure is the total patient population being reviewed. Different measures have different denominators, e.g., all active user patients or female patients ages 15-44.

GPRA TERMINOLOGY

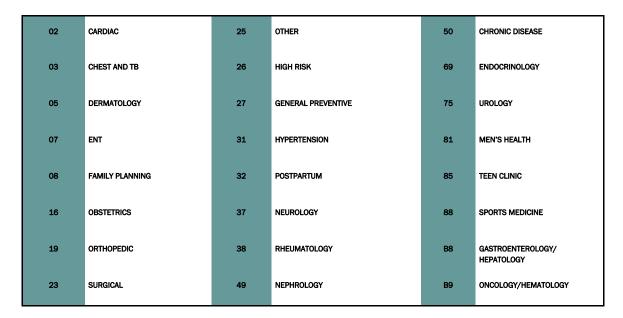
GPRA USER POPULATION: Any AI/AN patient who is alive on the last day of the report period and residing in the defined community with at least one visit to any clinic in the three years prior to the end of the report period. **Note: This definition is not comparable to the <u>Official User Population</u> definition that was developed by IHS to define its core population for statistical reporting to Congress.*

ACTIVE CLINICAL POPULATION: Patient must be American Indian/Alaska Native (Beneficiary Classification—01), must reside in a community included in the site's "official" GPRA community taxonomy (See CRS User Manual, section 4.1 for information about setting up community taxonomies), must be alive on the last day of the report period, and must have two visits to *medical* clinics in the past three years. At least one visit must be to one of the following core medical clinics:

The second visit can be EITHER to one of the core medical clinics listed above OR to one of the following

01	GENERAL	13	INTERNAL MEDICINE	57	EPSDT
06	DIABETIC	20	PEDIATRICS	70	WOMEN'S HEALTH
10	GYN	24	WELL CHILD	80	URGENT CARE
12	IMMUNIZATIONS	28	FAMILY PRACTICE	89	EVENING

additional medical clinics:



ACTIVE DIABETIC POPULATION: Active Clinical patients diagnosed with diabetes prior to the Report Period, AND at least 2 visits during the Report Period, AND 2 DM-related visits ever.



RESULTS

In GY 2007, there were a total of 22 clinical GPRA measures reported through the Clinical Reporting System. This report provides a summary of results for all 22 measures, including detailed graphs for 20 measures. Of these 22 clinical measures, eighteen, or 82%, met their targets for GY 2007. This reflects a 9% increase compared to GY 2006, when 73% of the clinical measures (16 of 22) met their targets. Of the eighteen measures met in GY 2007, twelve exceeded their targets (Appendix A-1). Five GPRA measures (Topical Fluorides, Alcohol Screening-FAS prevention, Domestic/Intimate Partner Violence Screening, Depression Screening, and Prenatal HIV Screening) achieved increases of eight percentage points or more over GY 2006. Two measures (Fluorides and Alcohol Screening) achieved increases of 13% over GY 2006.

IHS did not meet the GY 2007 targets for the Ideal Glycemic Control, Poor Glycemic Control, Dental Sealants, and Cervical Cancer (Pap) Screening measures. Rates for Poor Glycemic Control, Ideal Glycemic Control, and Pap Screening, were 1% below their targets. The number of Dental Sealants fell by approximately 1,200 applications, or 0.5% below the target. While it is important to note that these four measures are either dependent on patient compliance (e.g. Glycemic control) or funding levels (e.g. Pap Screening), the fact that IHS missed the targets for these same four measures in GY 2006 is of great concern and requires further analysis in order to effect improvement.

In GY 2005, in accordance with the "One HHS" 10 Department-wide Management Objectives, the Indian Health Service committed to implementing results-oriented management by achieving a 10 percent relative increase in program performance by GY 2007 in four measures; Pneumovax Immunization, Domestic Violence/Intimate Partner Violence Screening, Alcohol Screening to prevent Fetal Alcohol Syndrome (FAS), and Blood Cholesterol (LDL) Screening in patients with diabetes. In GY 2006, IHS met and exceeded the 10% improvement targets for both Domestic Violence/Intimate Partner Violence Screening and Alcohol Screening to prevent FAS. In GY 2007 IHS met and exceeded the 10% improvement targets for the remaining two measures, achieving a 15% relative increase over GY 2005 performance on the LDL Assessment measure, and achieving a 14% relative increase over GY 2005 performance on the Pneumovax Immunization measure. The achievement of these ambitious performance objectives is a tribute to the concerted efforts of the entire IHS network.

***DIABETES PREVALENCE**



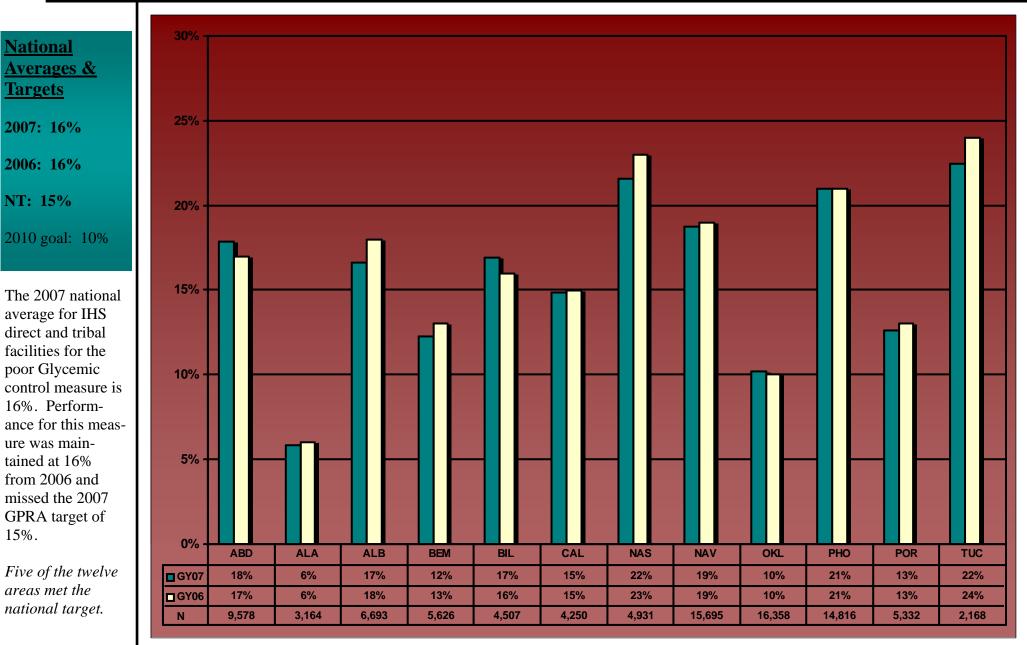
GPRA User Population:
1,246,41611%11%11%10%

DIABETES PREVALENCE, BY AREA

AREA	GY07	GY06	GY05	GY04
ABERDEEN	12%	12%	12%	11%
ALASKA	5%	4%	4%	3%
ALBUQUERQUE	13%	12%	12%	11%
BEMIDJI	14%	13%	13%	12%
BILLINGS	11%	11%	11%	11%
CALIFORNIA	10%	10%	10%	9%
NASHVILLE	17%	16%	16%	15%
NAVAJO	11%	10%	10%	9%
OKLAHOMA	11%	11%	10%	10%
PHOENIX	15%	15%	14%	13%
PORTLAND	9%	9%	8%	8%
TUCSON	20%	19%	18%	18%

*Not a GPRA measure—used for context only. Rates are not age adjusted and represent the number of diagnosed diabetics from GPRA reporting sites.

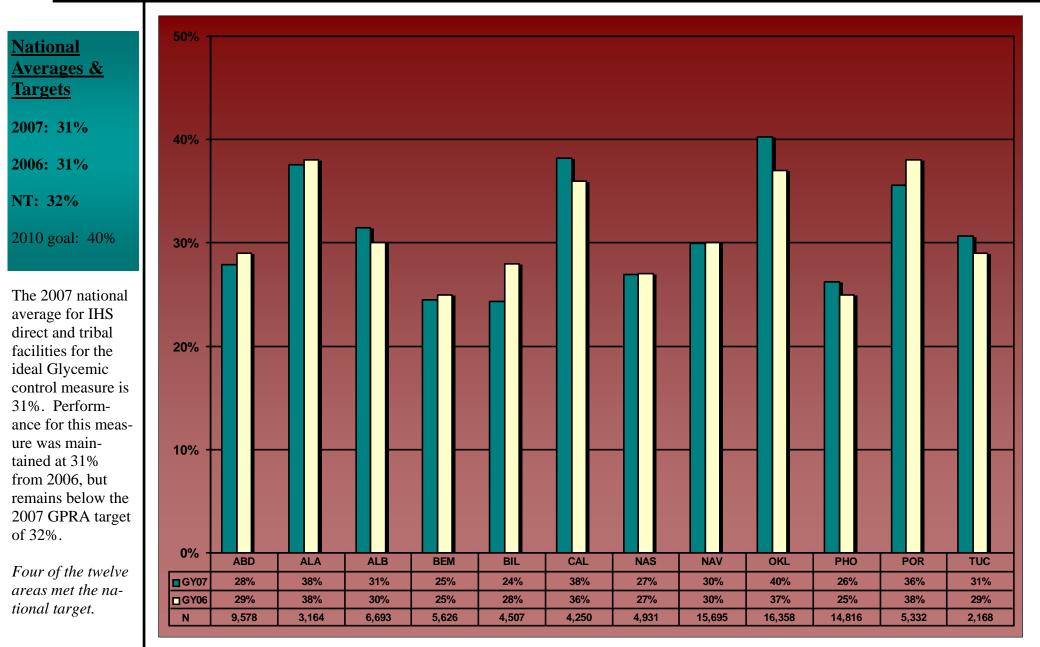




NUMERATOR: Patients with A1c levels greater than 9.5 *Note: The goal for this measure is a reduction in rate.*



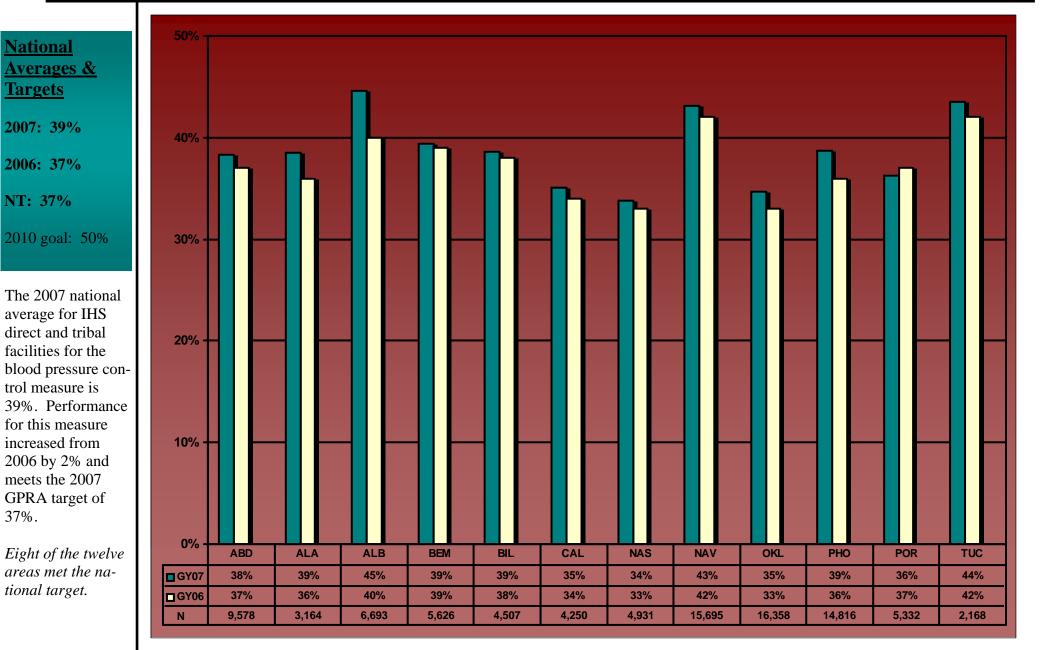
DIABETES: IDEAL GLYCEMIC CONTROL



NUMERATOR: Patients with A1c levels less than 7.0



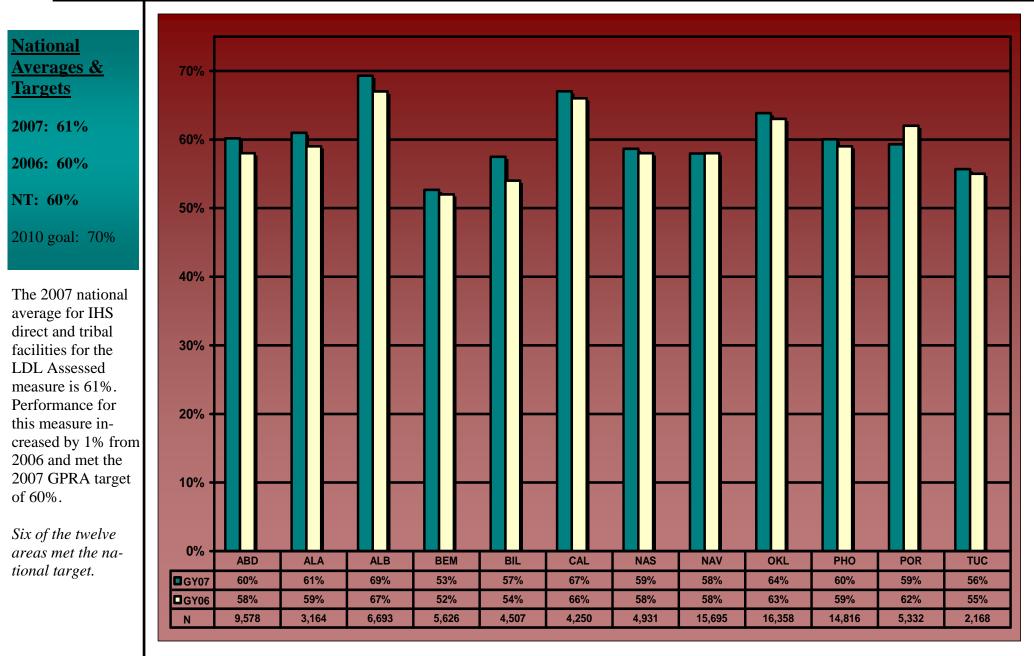
DIABETES: CONTROLLED BLOOD PRESSURE



NUMERATOR: Patients with BP < 130/80, based on a mean of at least 2 (3 if available) BP values during the report period.



DIABETES: LDL (CHOLESTEROL) ASSESSED

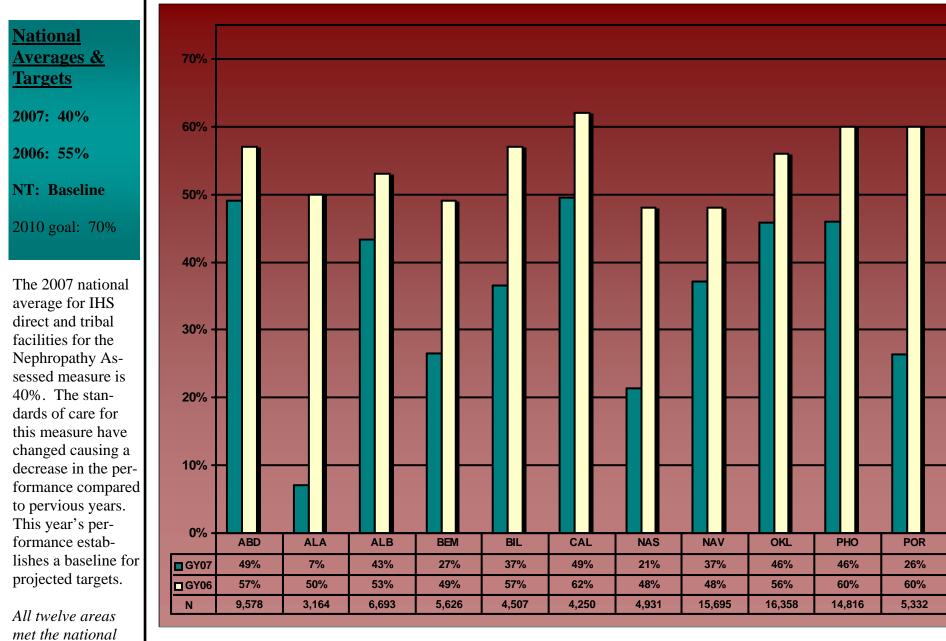


NUMERATOR: Patients with LDL completed during the report period



target by establish-

ing a baseline rate.



NUMERATOR: GY07—Patients with an estimated GFR and a quantitative urinary protein assessment. GY06—Patients with a positive urine or microalbuminuria test. **DENOMINATOR:** Active Diabetic Patients

TUC

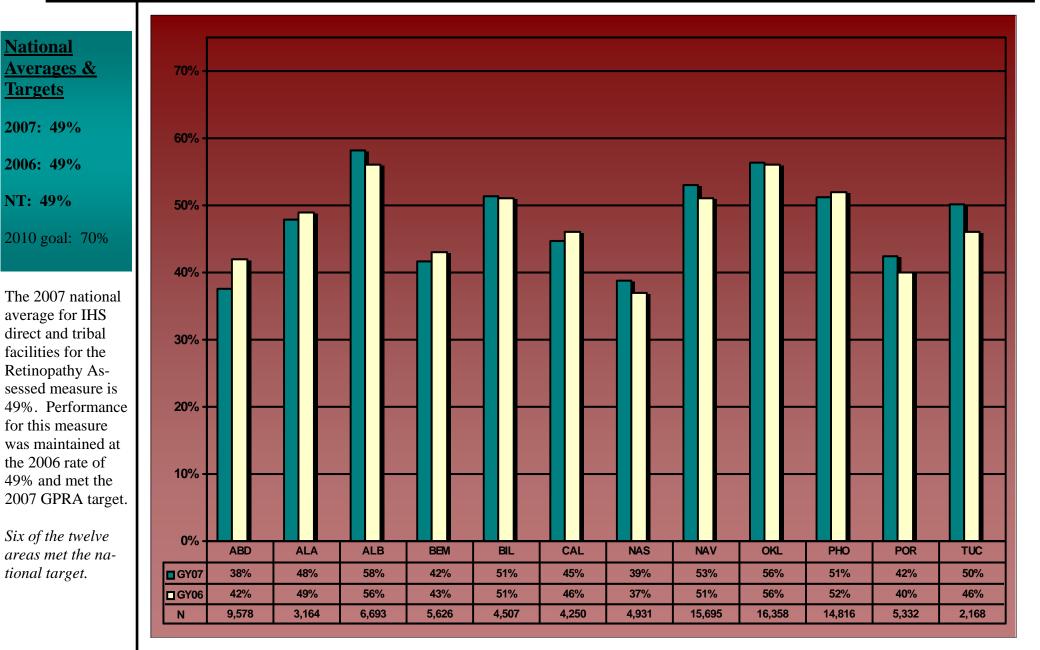
60%

49%

2,168



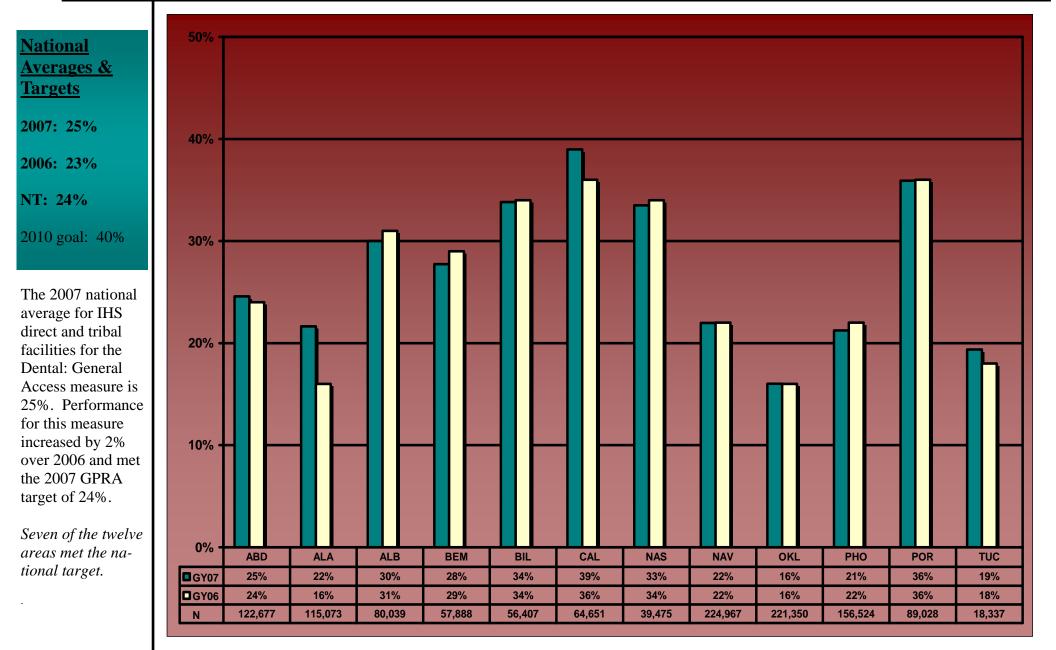
DIABETES: RETINOPATHY ASSESSED



NUMERATOR: Patients with a Retinopathy exam during the report period



DENTAL: GENERAL ACCESS

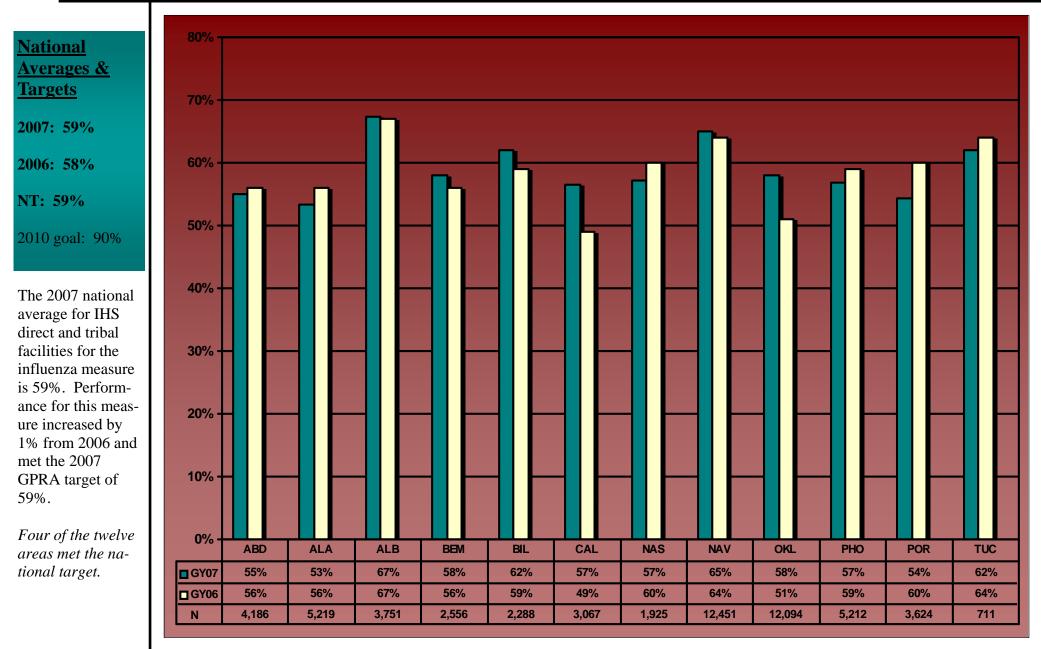


NUMERATOR: Patients with a documented dental visit during the report period

DENOMINATOR: GPRA User Population Patients



IMMUNIZATIONS: INFLUENZA

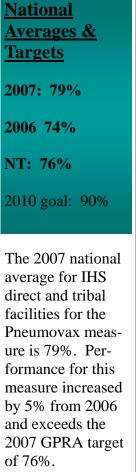


NUMERATOR: Patients with influenza vaccine documented during the report period.

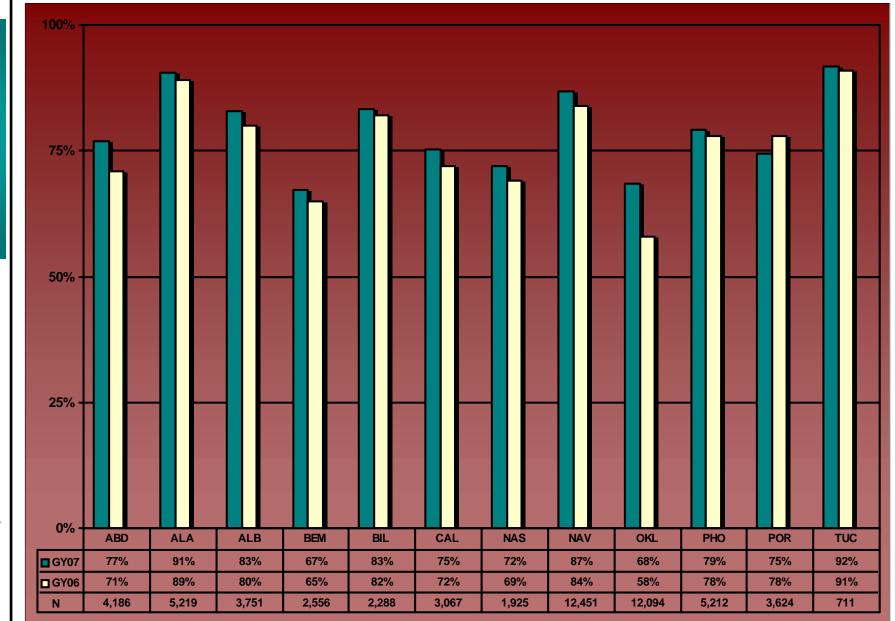
DENOMINATOR: Active Clinical patients age 65 and older



IMMUNIZATIONS: PNEUMOVAX



Seven of the twelve areas met the national target.



NUMERATOR: Patients with Pneumococcal vaccine documented ever.

DENOMINATOR: Active Clinical patients age 65 and older

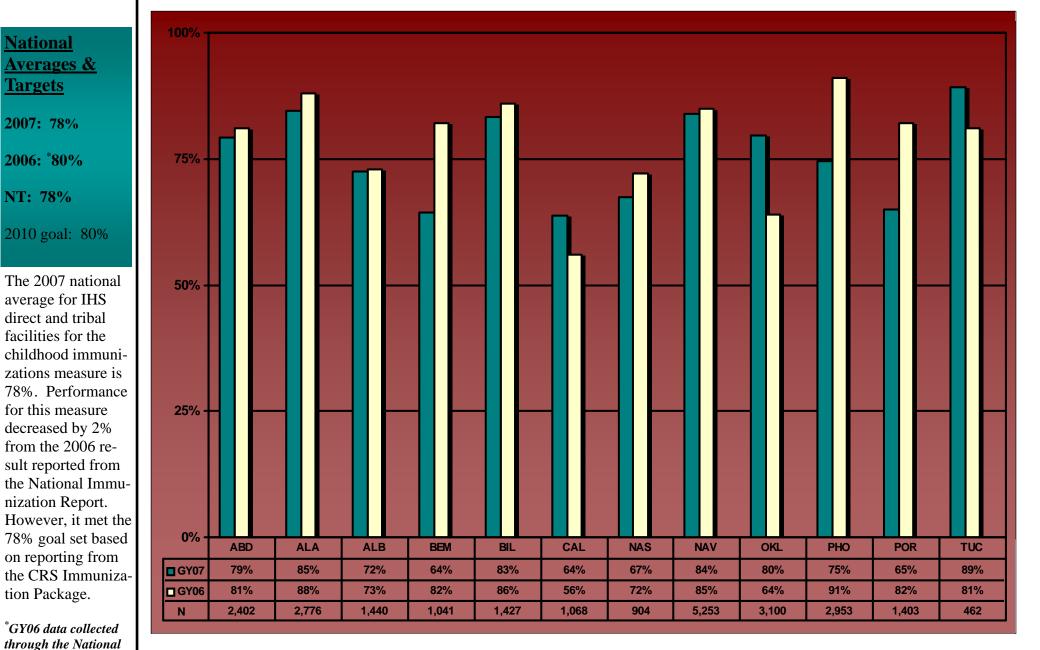


Immunization Report.

not be comparable for previous years.

Area level data may

IMMUNIZATIONS: CHILDHOOD (19-35 months)

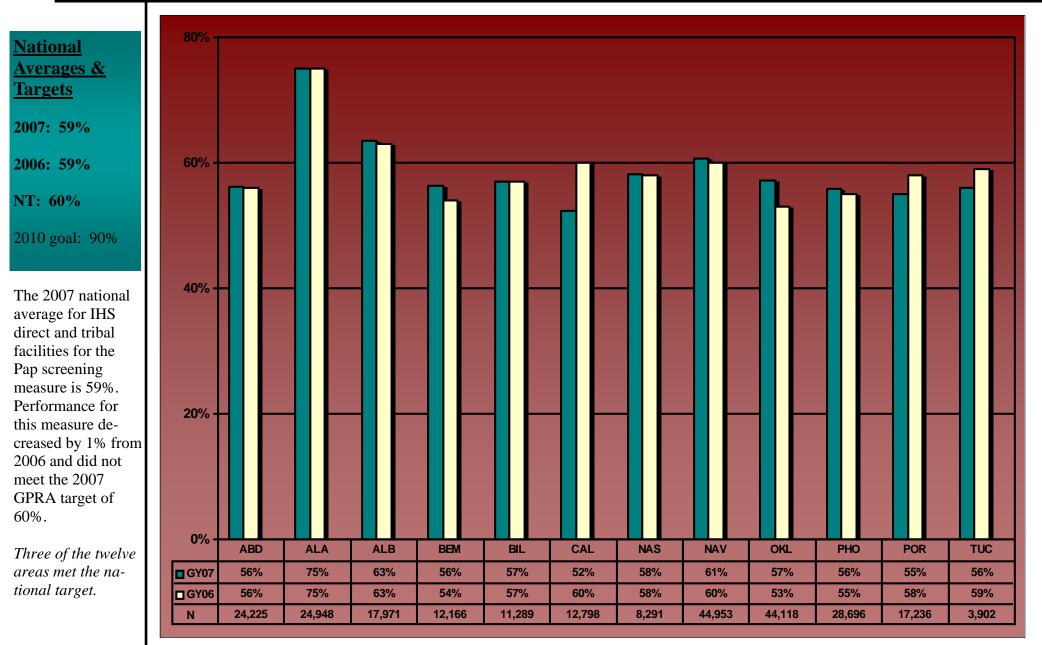


NUMERATOR: Patients who received the entire 4DTap, 3IPV, 1MMR, 3Hib, 3HepB (4:3:1:3:3) series

DENOMINATOR: Patients ages 19-35 months flagged as active in the Immunization Package



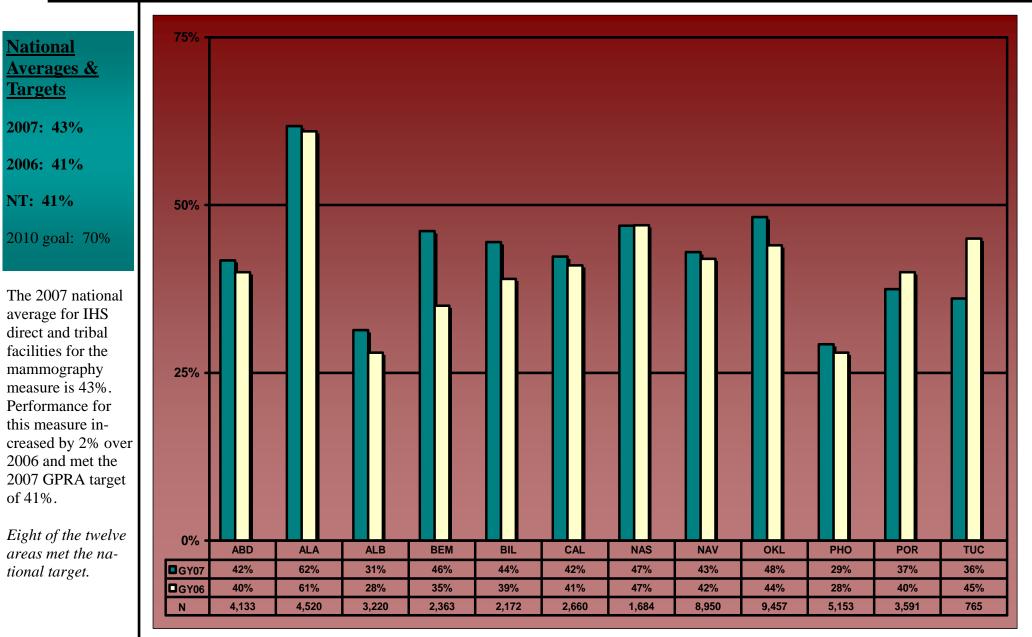
CANCER SCREENING: CERVICAL (PAP SMEAR)



NUMERATOR: Patients with a documented Pap Smear in the past three years

DENOMINATOR: Active Clinical female patients ages 21-64 with no documented history of hysterectomy

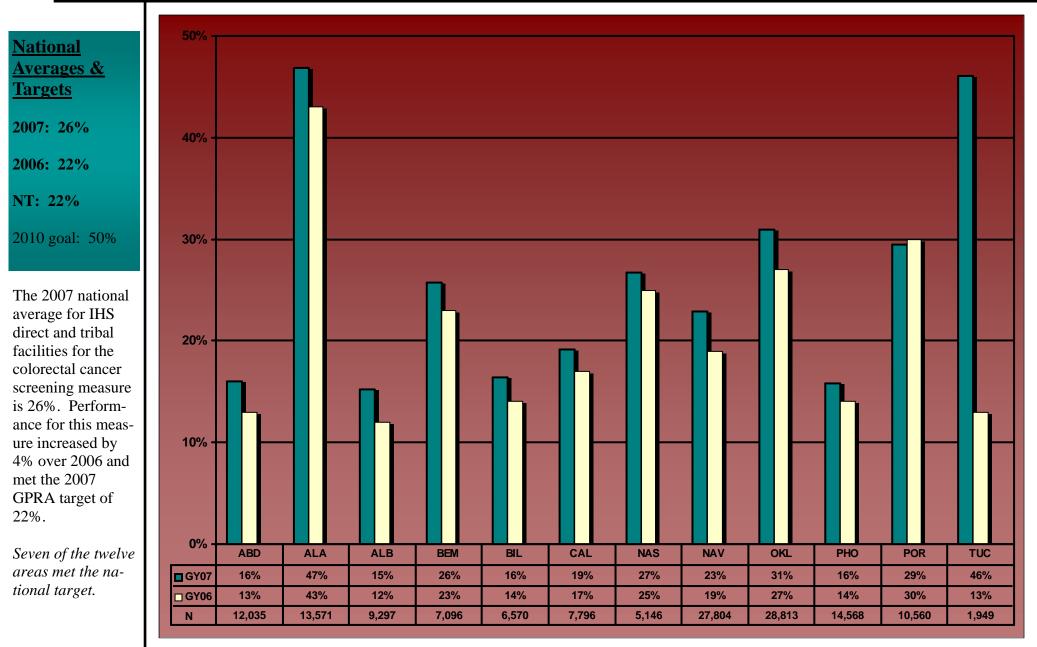




NUMERATOR: Patients with a documented mammogram in the past 2 years. **DENOMINATOR:** Active Clinical female patients ages 52-64



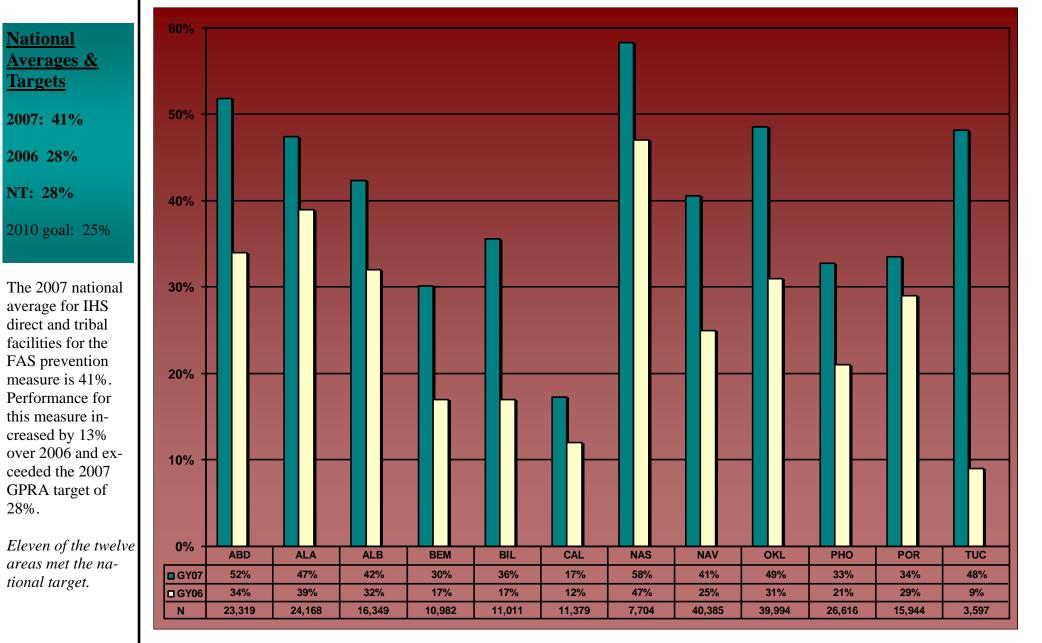
CANCER SCREENING : COLORECTAL



NUMERATOR: Patients who have received any Colorectal Cancer screening in the past year **DENOMINATOR:** Active Clinical patients ages 51-80



ALCOHOL SCREENING: FETAL ALCOHOL SYNDROME (FAS) PREVENTION

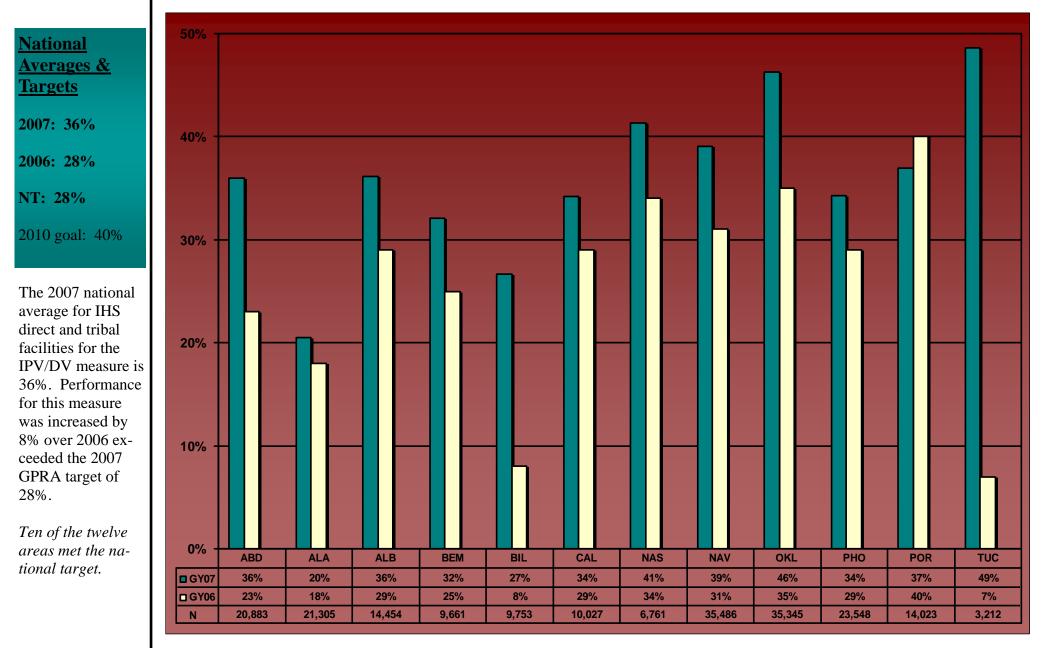


NUMERATOR: Patients screened for alcohol use, or who have alcohol related diagnosis

DENOMINATOR: Active Clinical female patients ages 15-44



DOMESTIC VIOLENCE/INTIMATE PARTNER VIOLENCE SCREENING



NUMERATOR: Patients screened for or diagnosed with Domestic Violence/Intimate Partner Violence (DV/IPV)

DENOMINATOR: Active Clinical female patients ages 15-40



CHILDHOOD WEIGHT CONTROL (CWC)



2007: 24%

2006: 24%

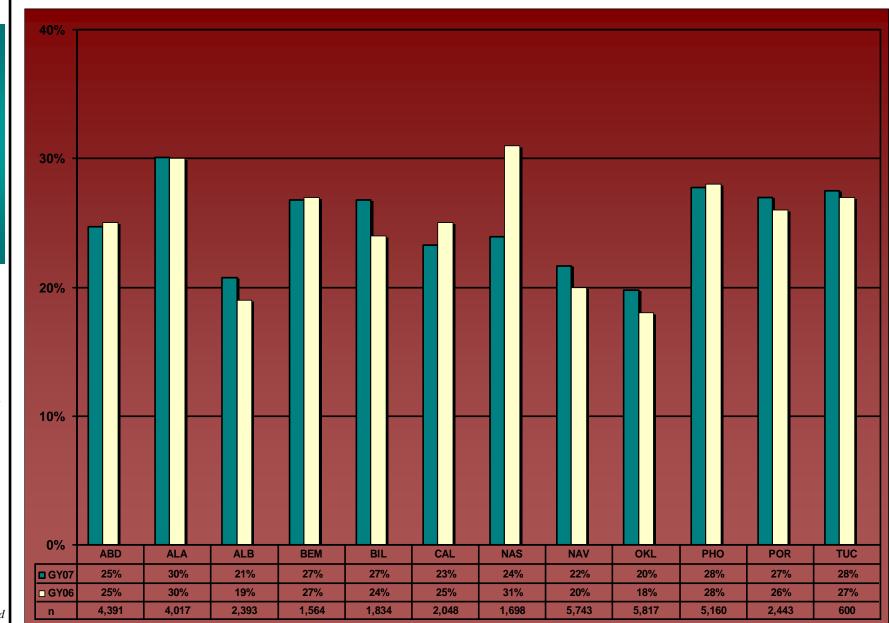
NT: 24%

2010 goal: TBD*

The 2007 national average for IHS direct and tribal facilities for the childhood weight control measure is 24%. Performance for this measure was maintained at the 2006 rate and met the 2007 GPRA target of 24%.

Five of the twelve areas met the national target.

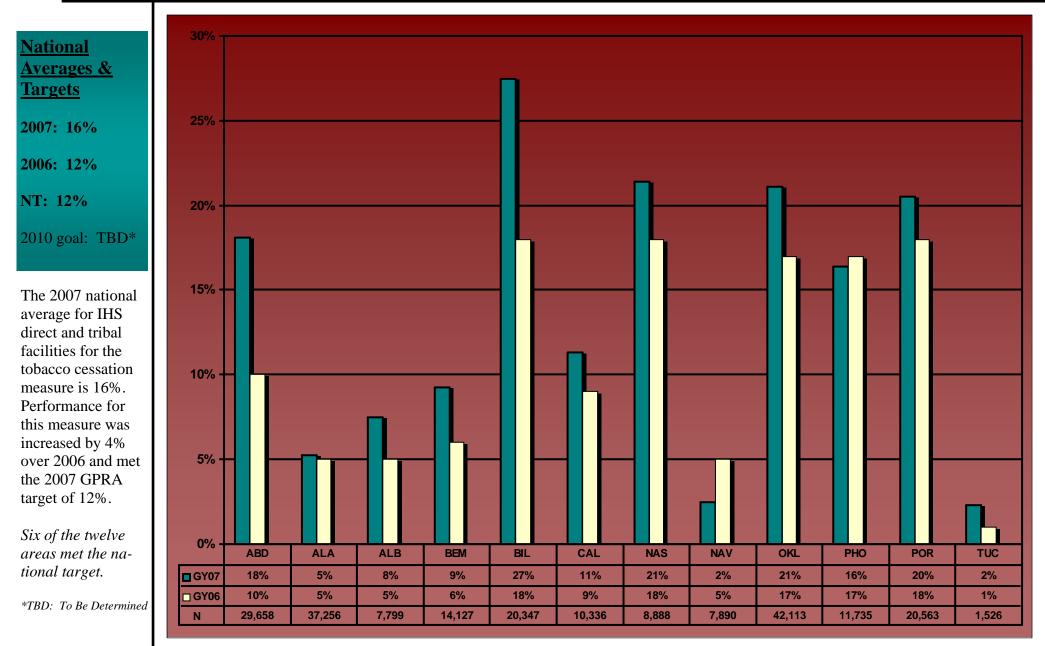
*TBD: To Be Determined



NUMERATOR: Patients with BMI 95% and greater Note: The goal for this measure is a reduction in rate. **DENOMINATOR:** Active Clinical patients 2-5 years of age



TOBACCO CESSATION

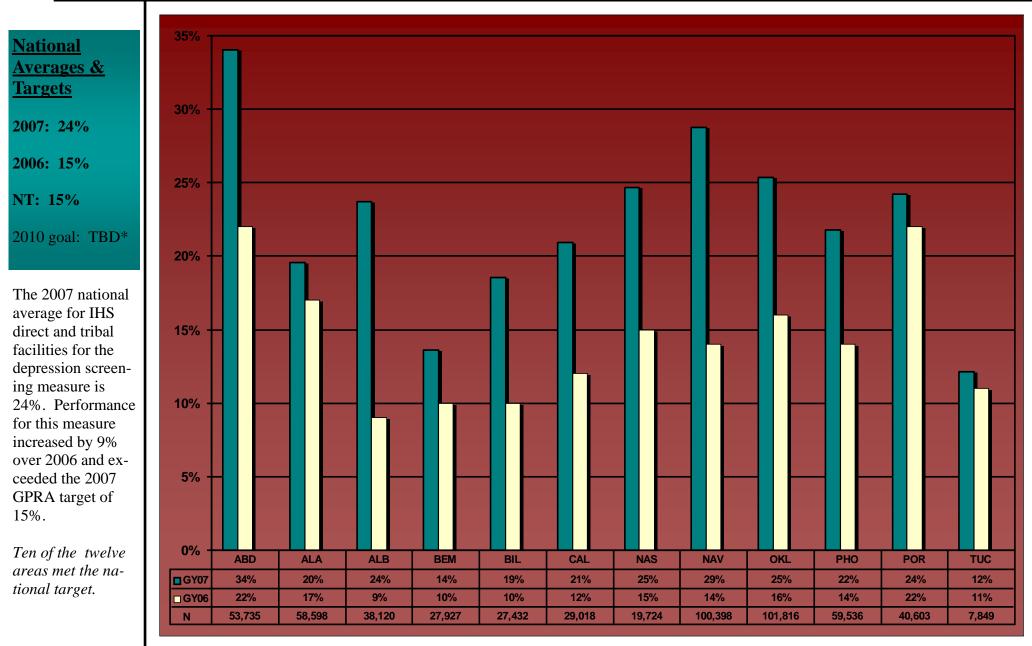


NUMERATOR: Patients who have received tobacco cessation counseling during the report period

DENOMINATOR: Active Clinical patients identified as current tobacco users



DEPRESSION SCREENING

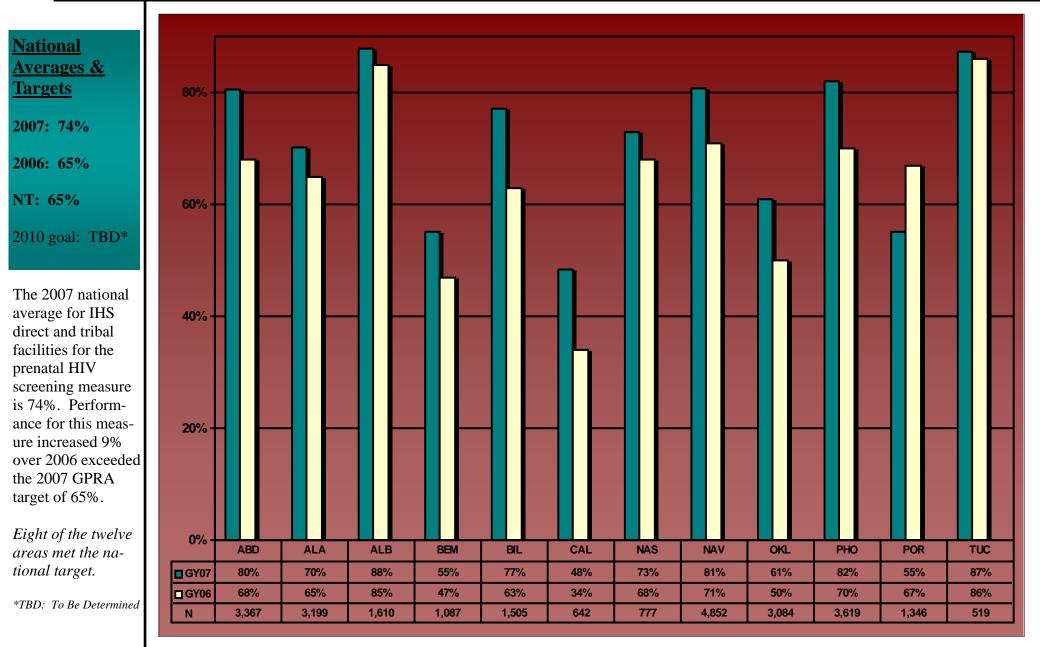


NUMERATOR: Patients screened for depression or diagnosed with a mood disorder during the report period

DENOMINATOR: Active Clinical patients ages 18 and older



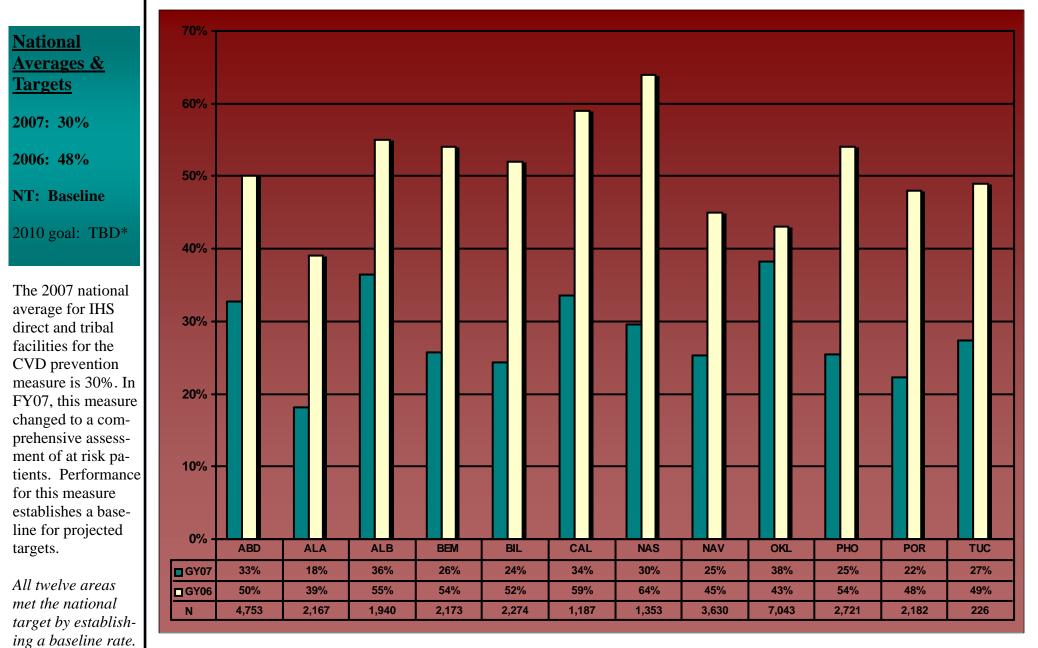
PRENATAL HIV SCREENING



NUMERATOR: Patients who received HIV testing during the past 20 months **DENOMINATOR:** All pregnant female patients without a documented miscarriage or abortion



CVD PREVENTION - COMPREHENSIVE ASSESSMENT



*TBD: To Be Determined

NUMERATOR: Patients with a comprehensive assessment: **BP, LDL, Tobacco Use, BMI, & lifestyle counseling.** *GY06— LDL (Cholesterol) Screening only.*

DENOMINATOR: Active IHD patients ages 22 or older



2007 NATIONAL DASHBOARD

2007 National Dashboard (IHS	2007 National Dashboard (IHS/Tribal)					
lirect DIABETES	2007 Final	2006 Final	2005 Final	2007 Target	Final Results	
Diabetes Dx Ever	11%	11%	11%	N/A	N/A	
Documented HbA1c	79%	79%	78%	N/A	N/A	
Poor Glycemic Control	16%	16%	15%	15%	NOT MET	
Ideal Glycemic Control	31%	31%	30%	32%	NOT MET	
Controlled BP <130/80	39%	37%	37%	37%	MET	
LDL Assessed	61%	60%	53%	60%	MET	
Nephropathy Assessed	40 % ^a	55%	47%	baseline	MET	
Retinopathy Exam	49%	49%	50% ^b	49%	MET	
DENTAL						
Access to Services	25%	23%	24%	24%	MET	
Sealants	245,449	246,645	249,882	246,645	NOT MET	
Topical Fluoride- Patients	107,934	95,439	85,318	95,439	MET	
IMMUNIZATIONS						
Influenza 65+	59%	58%	59%	59%	MET	
Pneumovax 65+	79%	74%	69%	76%	MET	
Childhood Izs	78% ^c	78/80% ^c	75% ^c	78%	MET	
PREVENTION						
Pap Smear Rates	59%	59%	60%	60%	NOT MET	
Mammogram Rates	43%	41%	41%	41%	MET	
Colorectal Cancer Screening	26%	22%	NA	22%	MET	
Tobacco Cessation	16%	12%	34% ^d	12%	MET	
FAS Prevention	41%	28%	11%	28%	MET	
IPV/DV Screening	36%	28%	13%	28%	MET	
Depression Screening	24%	15%	NA	15%	MET	
Comp. CVD-related Assessment	30%	48% ^e	43% ^e	baseline	MET	
Prenatal HIV Screening	74%	65%	54%	65%	MET	
Childhood Weight Control	24%	24%	64% ^f	24%	MET	
^a New baseline in FY 2007 due to change	in Standards of Care	(IHS Division of Diabe	tes Treatment and Pre	evention)	Measures Met =	
^b Data collected from pilot sites only in FY					Measures Not Met =	
^c FY 2007 data from CRS IZ IMM package		data from IZ program r	eport; 78% CRS IZ IM	Mbaseline set in 2006	Total Measures =	
^d Tobacco Assessment (changed to Toba	•	, .				
^e Cholesterol Screening (changed to Com		,	007)			
5 (1 5 5 1 6 5 1 1		D6)	,			