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*Not available.

Diabetes Audit Results, Portland Area, 2004-2010

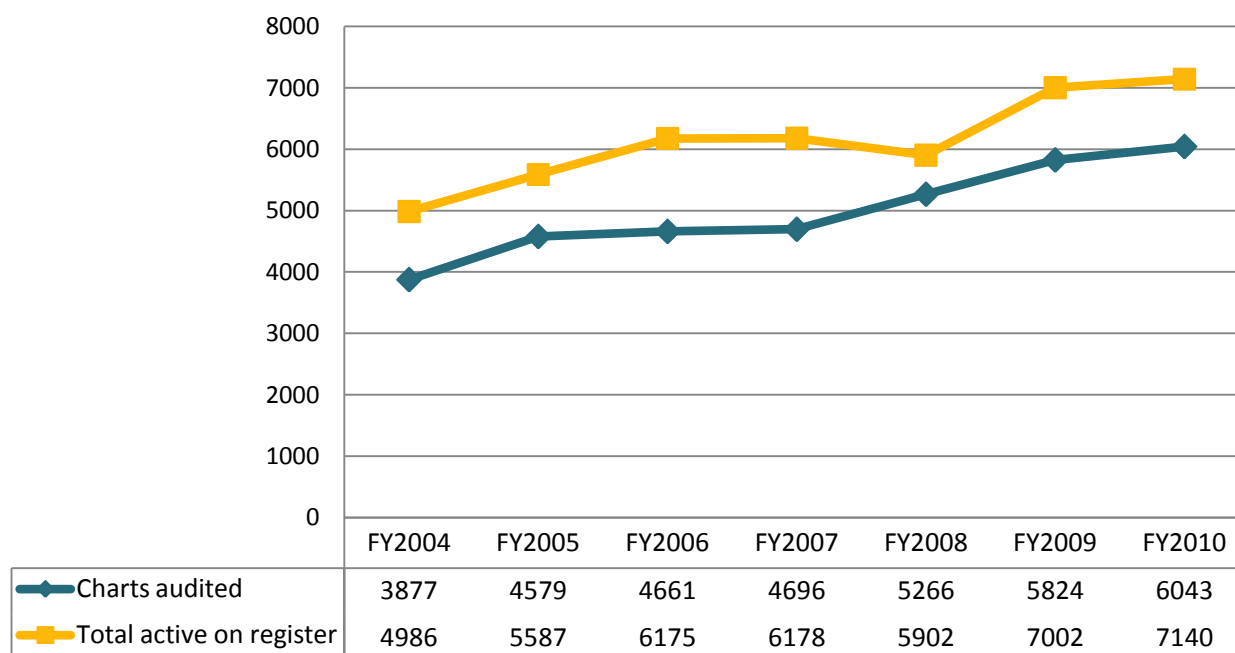
Site-Specific Trends

The following report contains information from your program's annual diabetes audit submission to the Indian Health Service over the past few years. The report was prepared for your site by the Western Tribal Diabetes Project at the Northwest Portland Area Indian Health Board, which receives Special Diabetes Program for Indians (SDPI) funding to assist Northwest tribes in managing their diabetes information. If you have any questions about the report, or if you would like this report in Excel format, please contact the Western Tribal Diabetes Project at wtdp@npaihb.org or (800) 862-5497.

Notes:

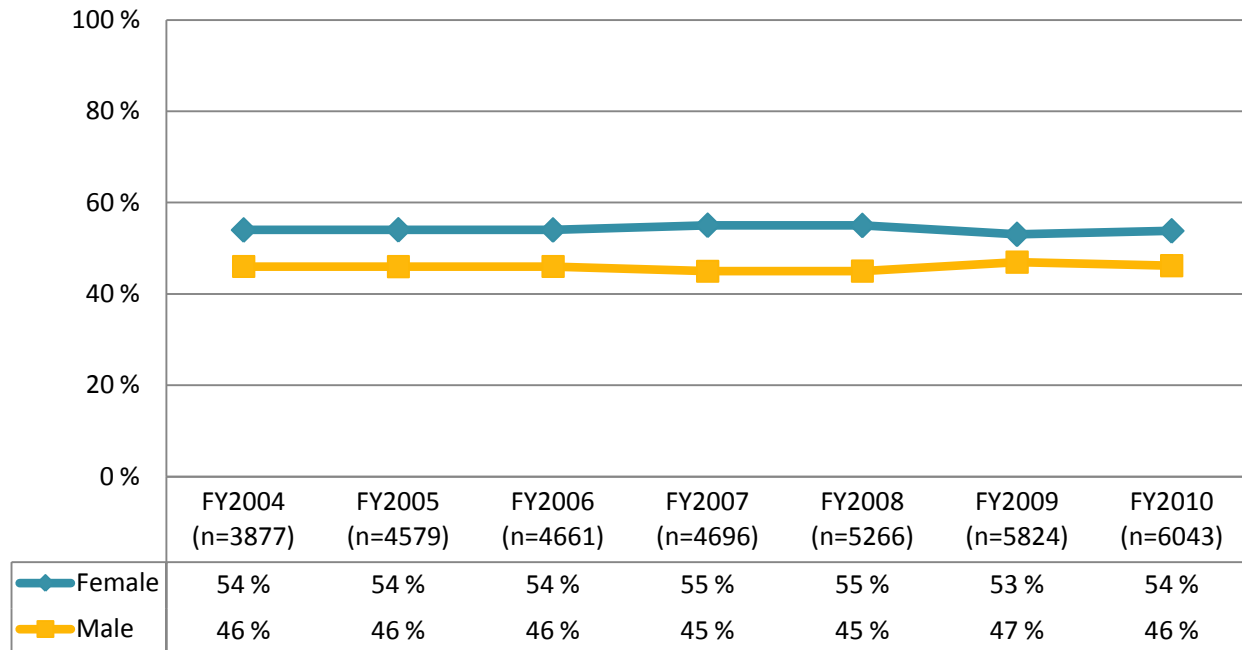
- Due to rounding, charts will occasionally not add up to 100%.
- Data are presented by the year in which the data were submitted. Most likely, the patient care reflected in the audit was delivered in the previous year. For example, the columns for Fiscal Year (FY) 2008 in these charts reflect care that was delivered in 2007.
- Blank spaces have been left for some indicators in years when information was not reported.

Patients in the Diabetes Register

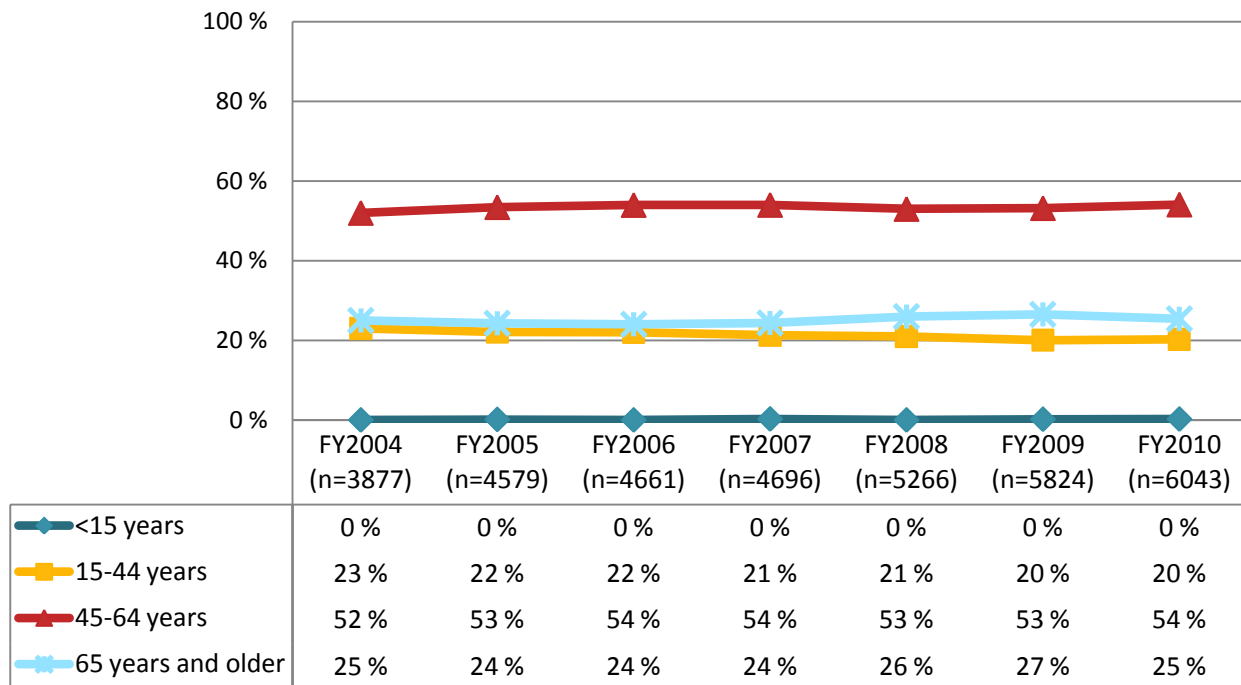


Diabetes Audit Results, Portland Area, 2004-2010

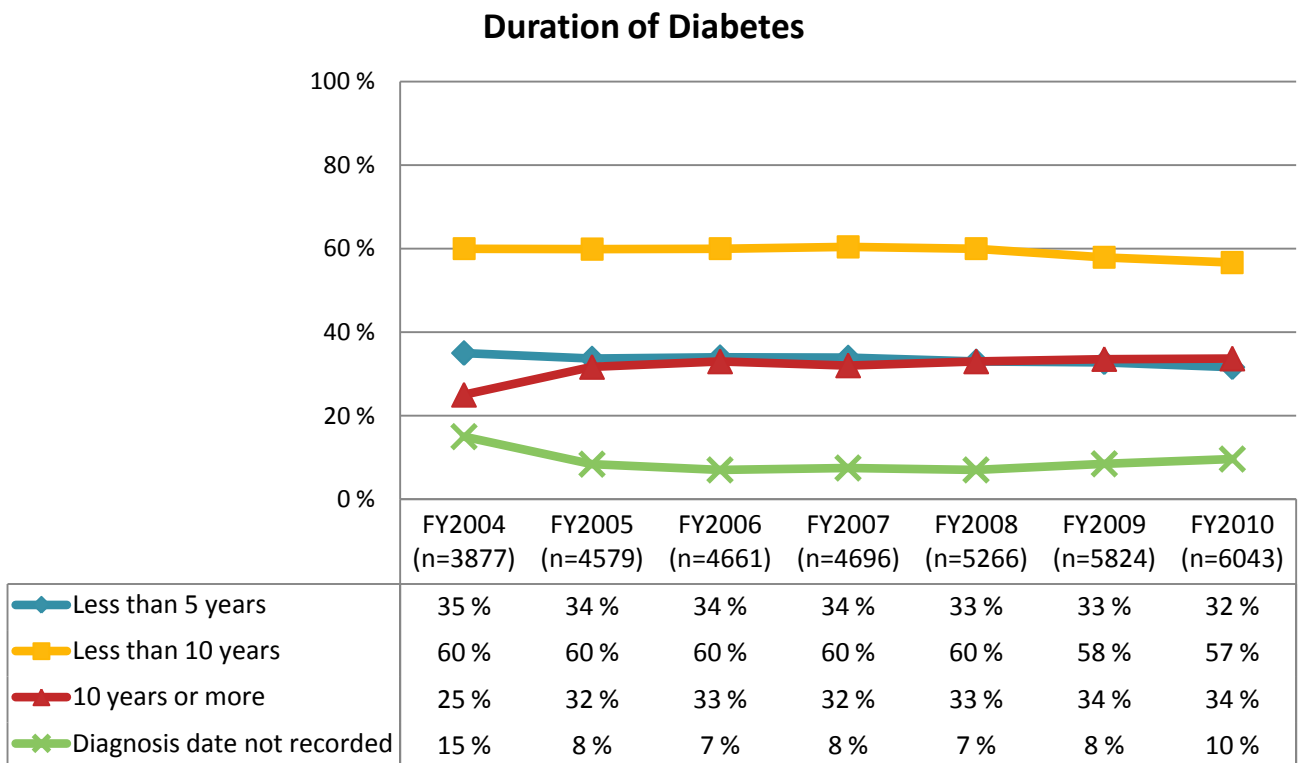
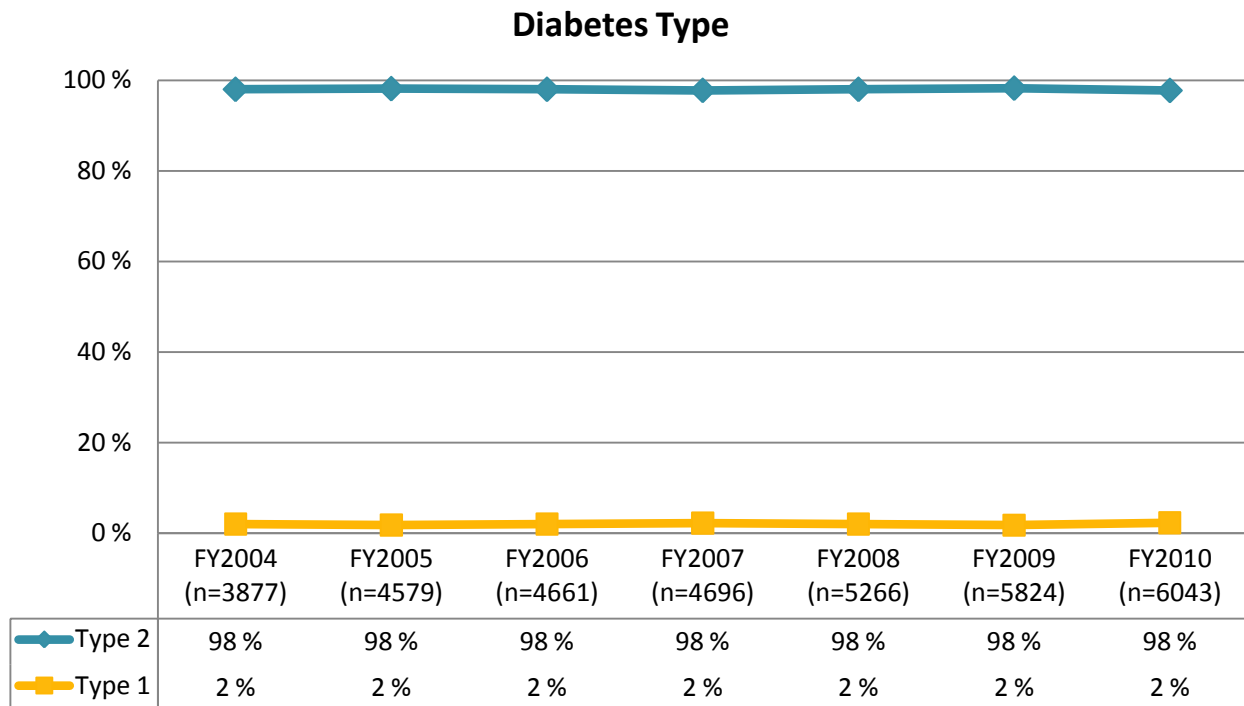
Gender of Patients with Diabetes



Age of Patients with Diabetes

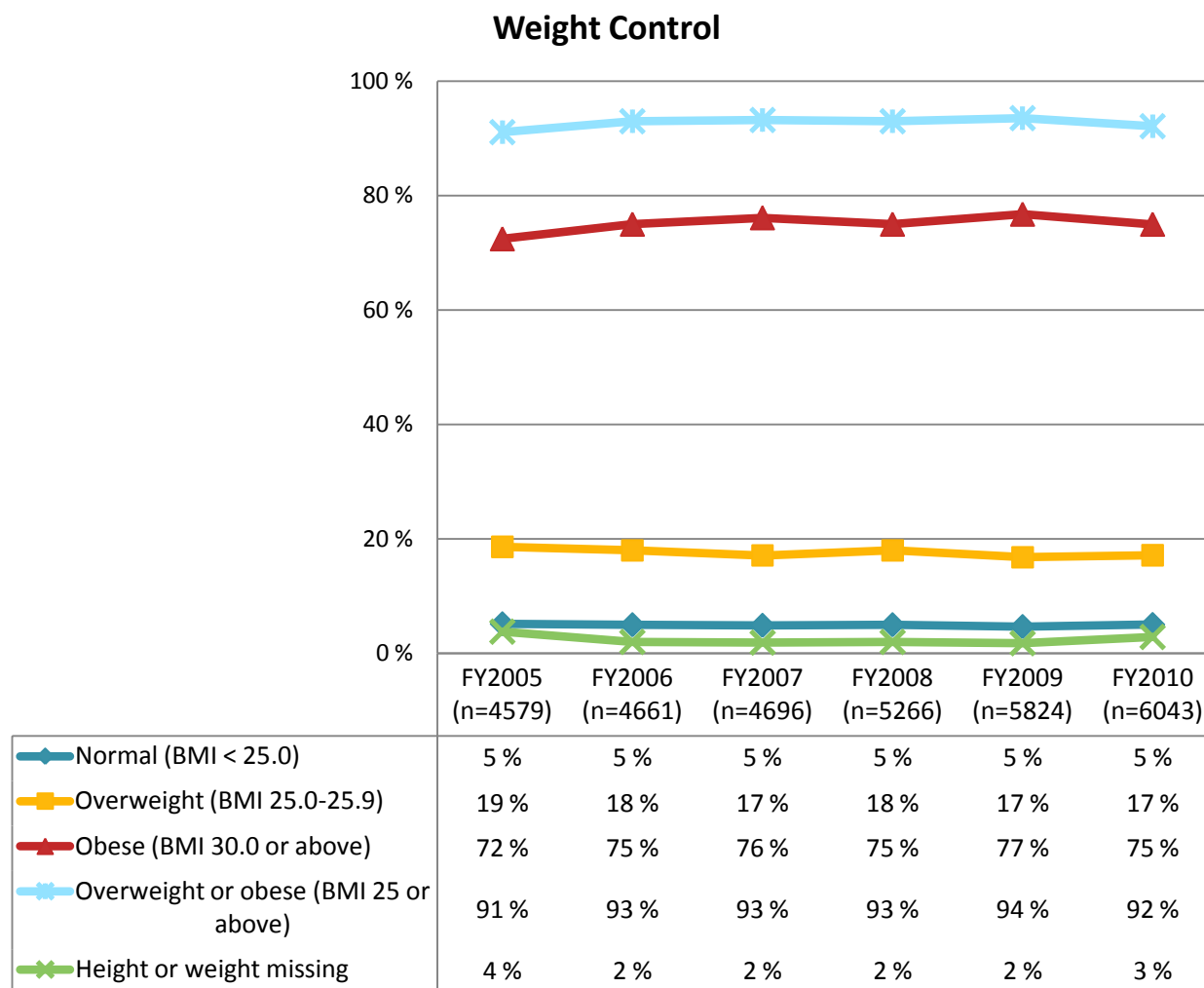


Diabetes Audit Results, Portland Area, 2004-2010



A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010



Notes

Body Mass Index (BMI) is calculated using the last weight in the audit year recorded on a non-prenatal visit, along with the most recent height measured since the patient's 19th birthday. The formula is

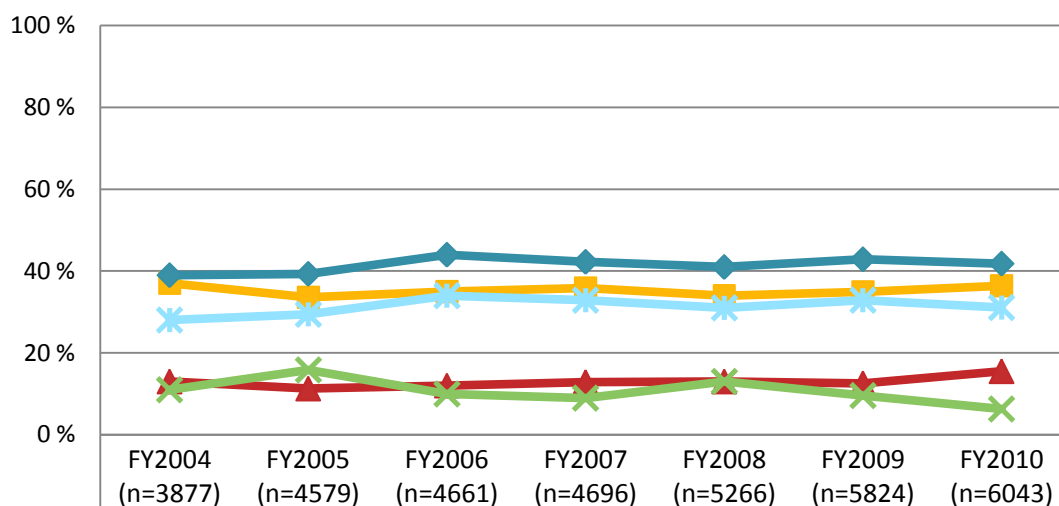
$$\text{BMI} = \text{weight (lbs)} \div \text{height (inches)} \div \text{height (inches)} \times 703$$

Before 2005, overweight and obesity were reported from the audit using cutoffs from the National Health and Nutrition Examination Survey (NHANES). Women were considered overweight with a BMI of 27.3 or higher and obese with BMI 32.3 or higher. Men were overweight at a BMI of 27.8 and obese at 31.1 or higher. These results are still calculated from audit data but are not presented here for the sake of clarity in the chart.

The bars in the graph reflect current cutoffs, which are the same for men and women. Overweight is defined as a BMI of 25 or higher and obesity is 30 or higher. Using these standards, more patients are considered overweight than with the older standards.

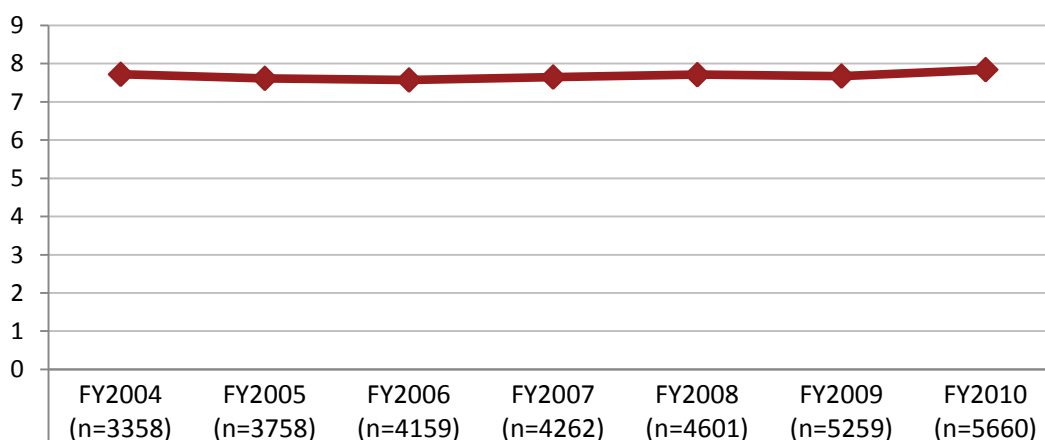
Diabetes Audit Results, Portland Area, 2004-2010

Hemoglobin A1c



▲ HbA1c 10.0 or higher	13 %	11 %	12 %	13 %	13 %	13 %	16 %
■ HbA1c 7.0-9.9	37 %	34 %	35 %	36 %	34 %	35 %	36 %
◆ HbA1c <7	39 %	39 %	44 %	42 %	41 %	43 %	42 %
✱ HbA1c ≤6.5	28 %	29 %	34 %	33 %	31 %	33 %	31 %
✱ HbA1c missing	11 %	16 %	10 %	9 %	13 %	10 %	6 %

Average Hemoglobin A1C



◆ Mean HbA1c	7.720	7.614	7.570	7.647	7.710	7.673	7.843
Standard error	0.020	0.015	0.020	0.017	0.010	0.013	0.012
95% CI upper limit	7.759	7.642	7.609	7.681	7.730	7.699	7.867
95% CI lower limit	7.681	7.585	7.531	7.614	7.690	7.647	7.818

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

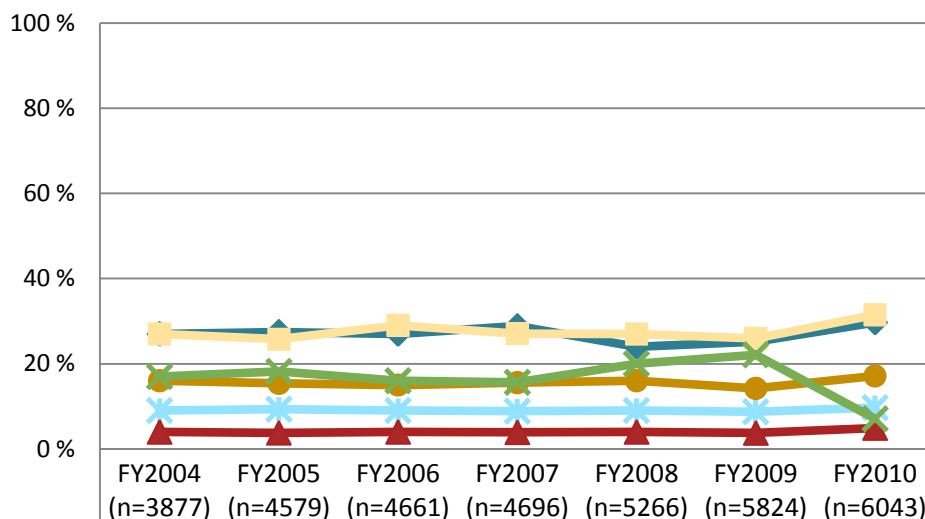
Diabetes Audit Results, Portland Area, 2004-2010

Before 2010: Based on the average of the last 3 blood pressure measurements taken within the audit year.

If <3 measurements were taken, blood pressure control is undetermined.

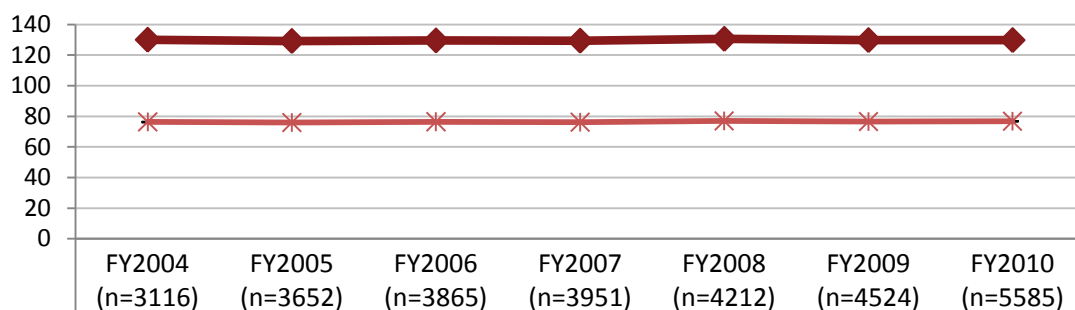
In 2010: Based on the average of the last 2 or 3 blood pressure measurements taken within the audit year. If ≤1 measurement was taken, blood pressure control is undetermined.

Blood Pressure



— Ideal control (<120/<70)	9 %	9 %	9 %	9 %	9 %	9 %	10 %
— Target (120/70 - <130/<80)	27 %	27 %	27 %	29 %	24 %	25 %	30 %
— Adequate (130/80 - <140/<90)	27 %	26 %	29 %	27 %	27 %	26 %	32 %
— Inadequate (140/90 - <160/<95)	16 %	15 %	15 %	16 %	16 %	14 %	17 %
— Markedly poor (160/95 or higher)	4 %	4 %	4 %	4 %	4 %	4 %	5 %
— BP control undetermined	17 %	18 %	16 %	16 %	20 %	22 %	7 %

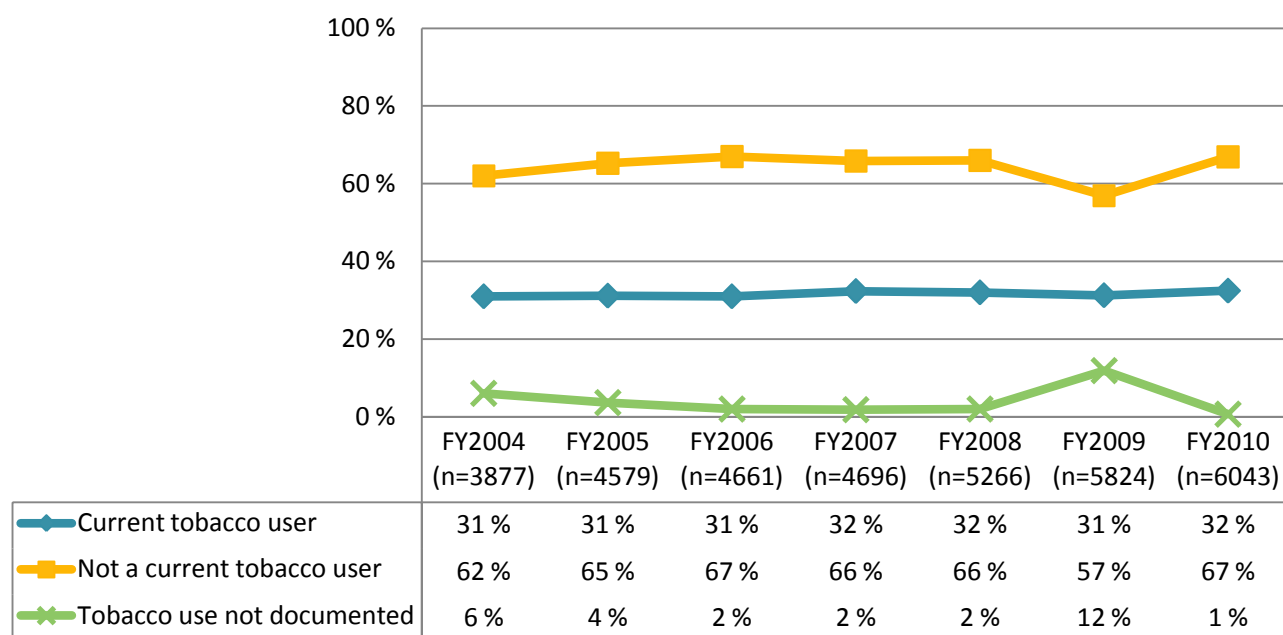
Average Blood Pressure



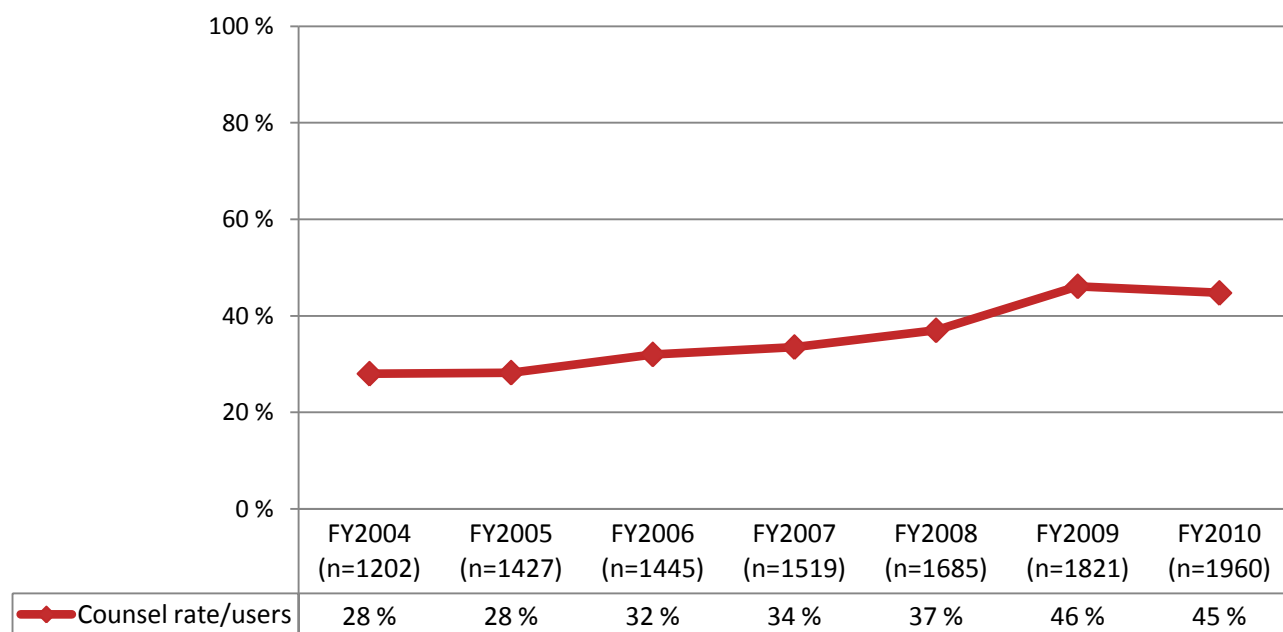
— Mean systolic BP	130.040	129.213	129.570	129.419	130.590	129.778	129.798
Standard error	0.140	0.112	0.140	0.124	0.080	0.095	0.079
95% CI upper limit	130.314	129.433	129.844	129.662	130.747	129.964	129.952
95% CI lower limit	129.766	128.993	129.296	129.176	130.433	129.592	129.644
— Mean diastolic BP	76.330	76.001	76.460	76.130	76.980	76.564	76.868
Standard error	0.080	0.073	0.090	0.079	0.050	0.065	0.055
95% CI upper limit	76.487	76.144	76.636	76.284	77.078	76.691	76.975
95% CI lower limit	76.173	75.859	76.284	75.976	76.882	76.437	76.761

Diabetes Audit Results, Portland Area, 2004-2010

Tobacco Use



Tobacco Cessation Referrals

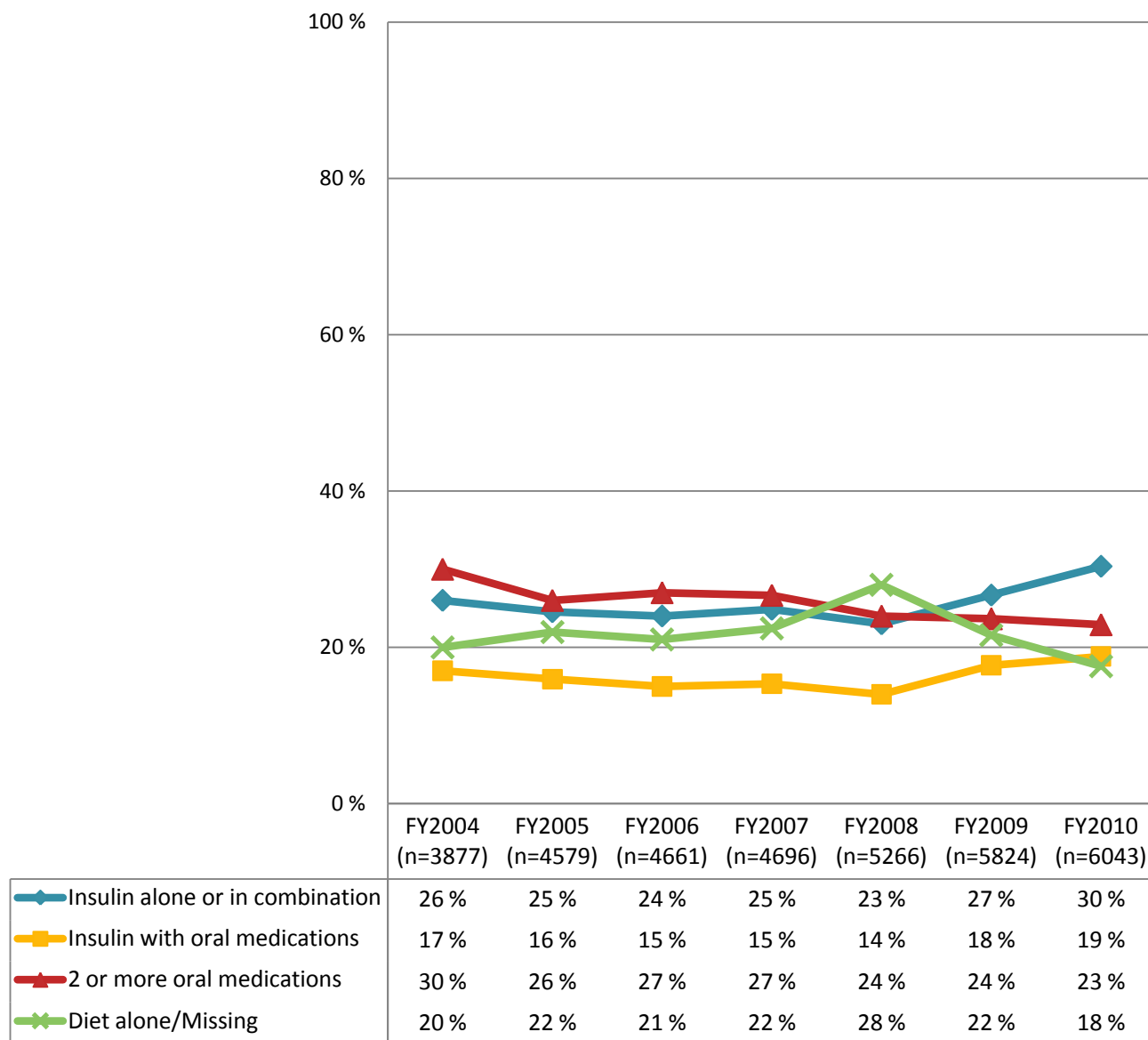


Note: The 'n' in this graph refers to the total number of tobacco users included in the audit.

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010

Diabetes Medications

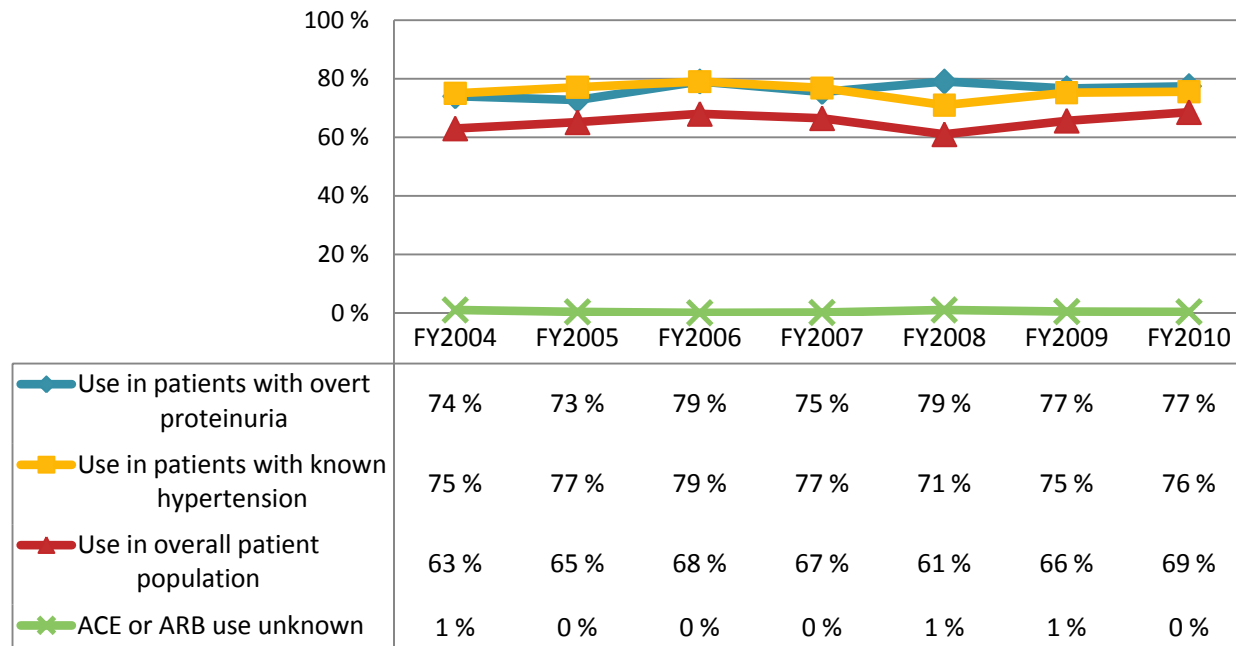


Notes

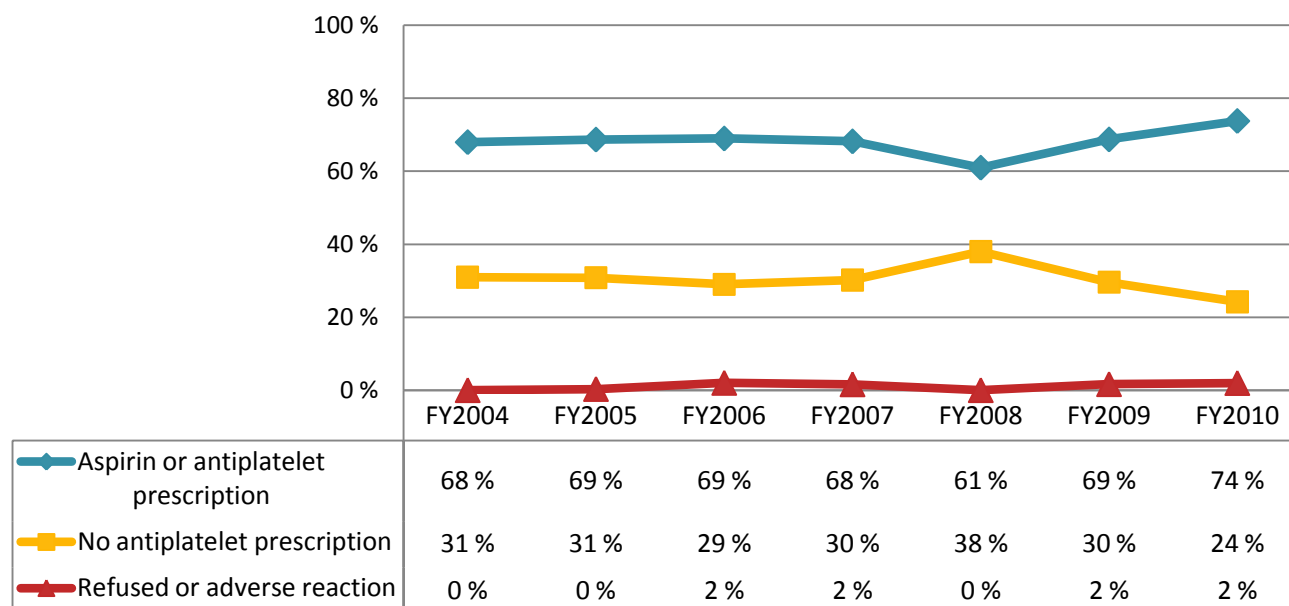
"Diet and exercise alone" is the default selection in RPMS. If no records are found in the patient's chart of medications prescribed or dispensed in the last six months of the audit year, the patient is classified as being treated with "diet and exercise alone." The percentages for this category may be inflated if patients did not refill their prescriptions at the clinic in the last six months of the audit year. You can enter medication reviews as historical RXs so that the audit report will reflect those prescriptions.

Diabetes Audit Results, Portland Area, 2004-2010

ACE Inhibitor or ARB Prescriptions



Antiplatelet Therapy among Patients 30 and Older (until 2009) or 40 and Older (2010)

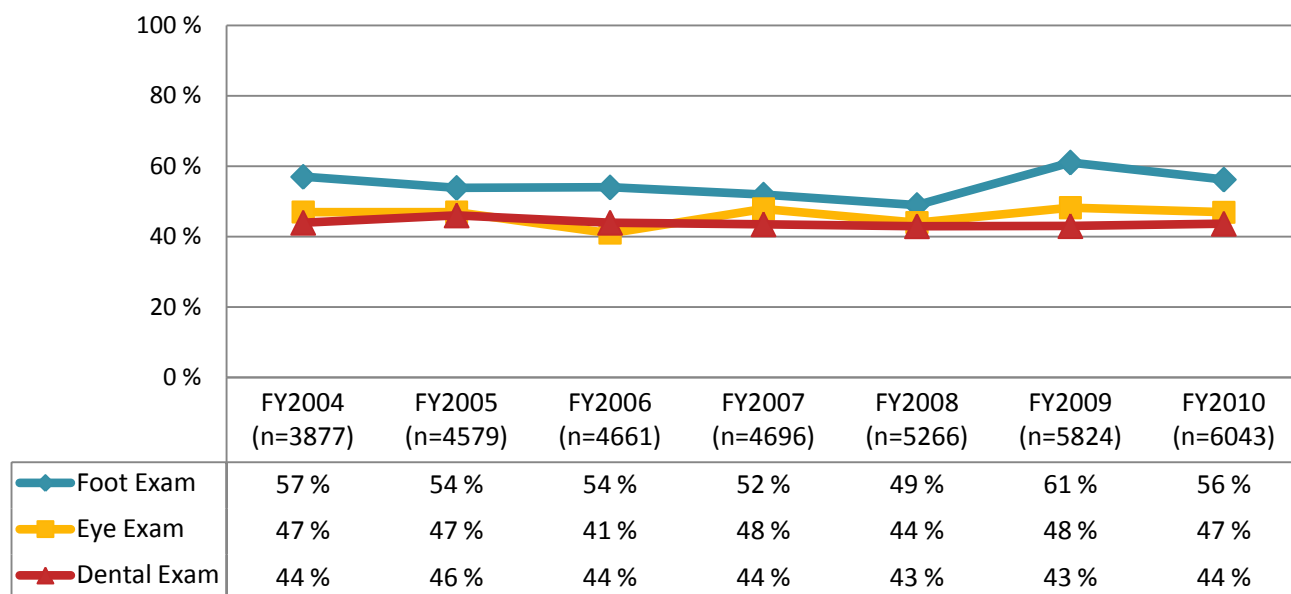


Denominators (n=) are not displayed on this page. These charts represent various subsets of patients, and not the entire population included in the audit.

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010

Annual Examinations

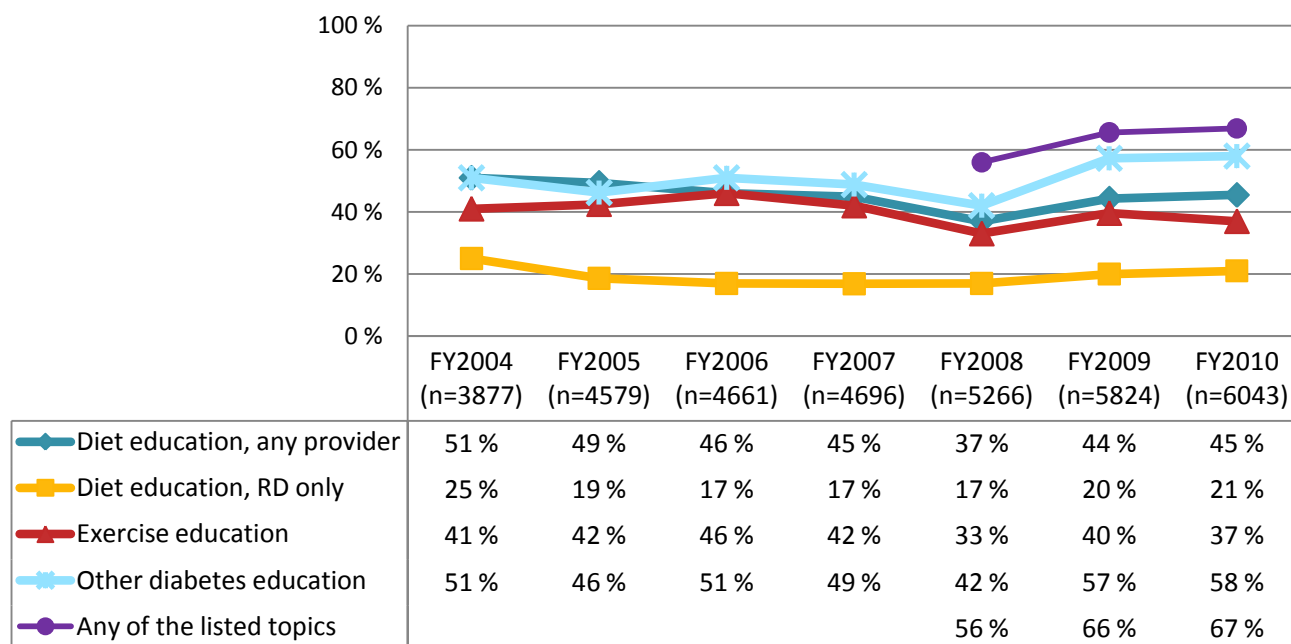


Eye Exam: A dilated fundoscopic exam conducted by a primary care provider, optometrist or ophthalmologist, or fundoscopic photographs reviewed by an ophthalmologist.

Foot Exam: An examination of the feet that includes neurologic and vascular evaluation as well as visual inspection for deformities or lesions.

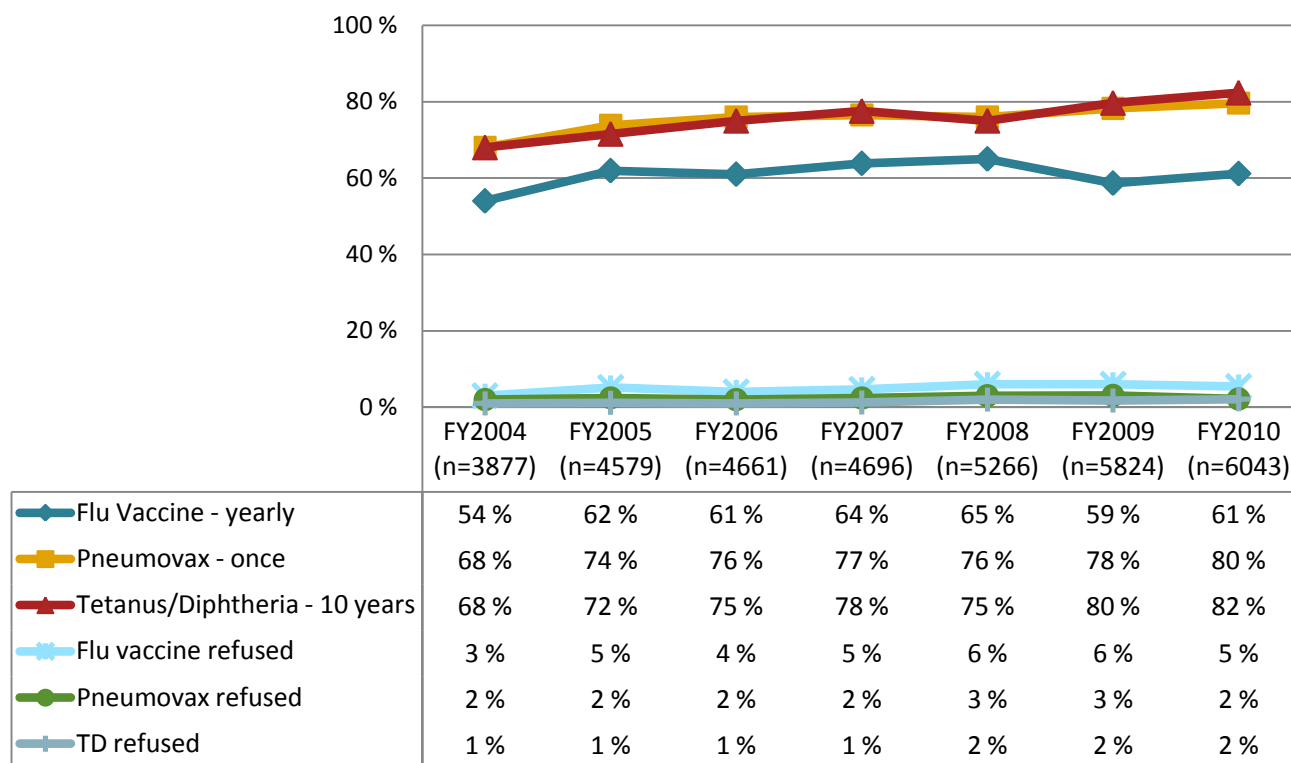
Dental Exam: The dental examination is one that includes evaluation of the teeth (if present), gingiva and mucosal surfaces.

Diabetes-Related Education

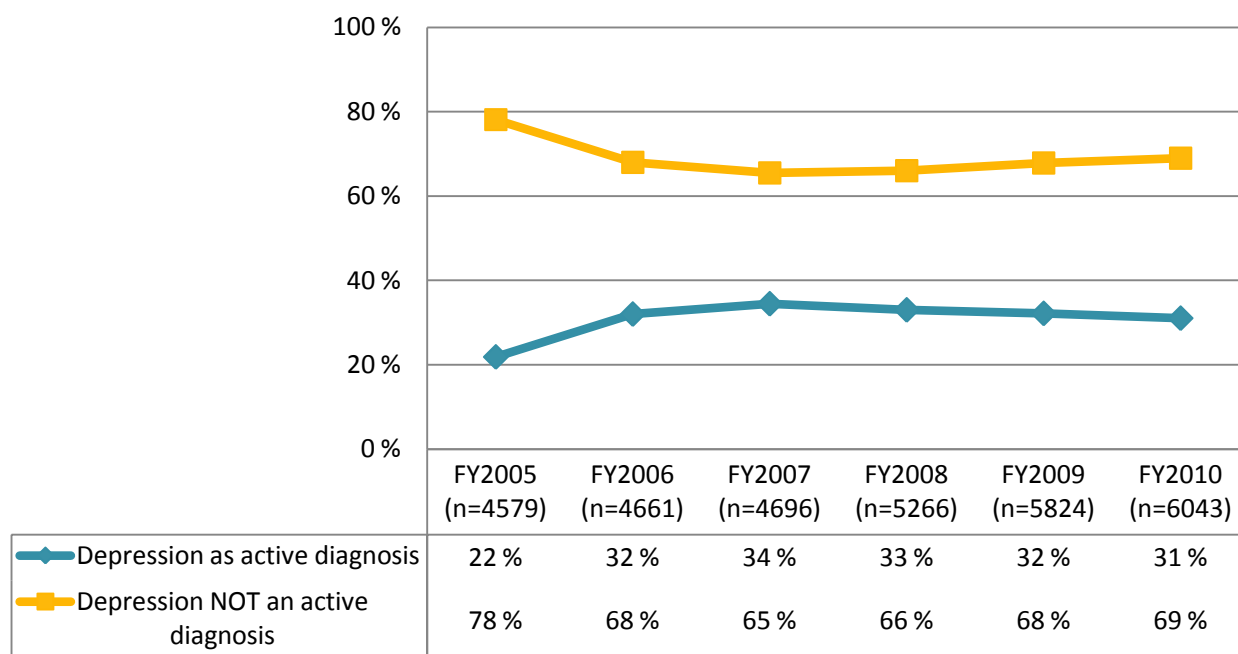


Diabetes Audit Results, Portland Area, 2004-2010

Immunizations



Diagnosed Depression

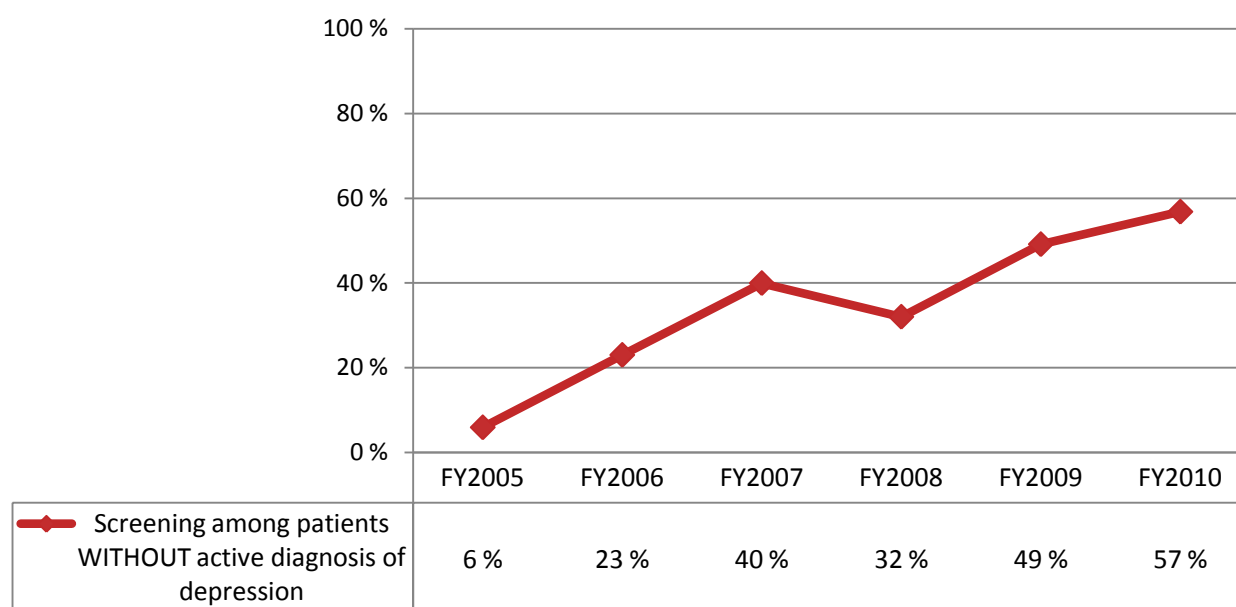


Note: Depression and depression screening were added to the audit in FY2005.

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

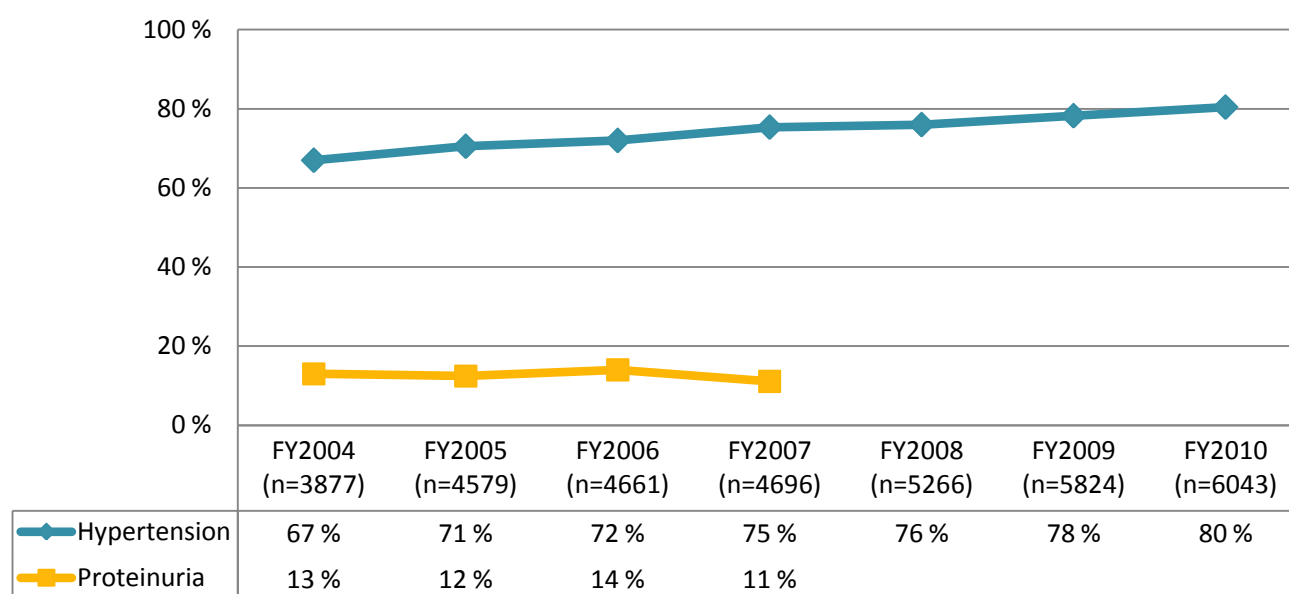
Diabetes Audit Results, Portland Area, 2004-2010

Depression Screening among Patients without Active Depression Diagnoses



Note: Depression and depression screening were added to the audit in FY2005.

Patients with Hypertension or Proteinuria

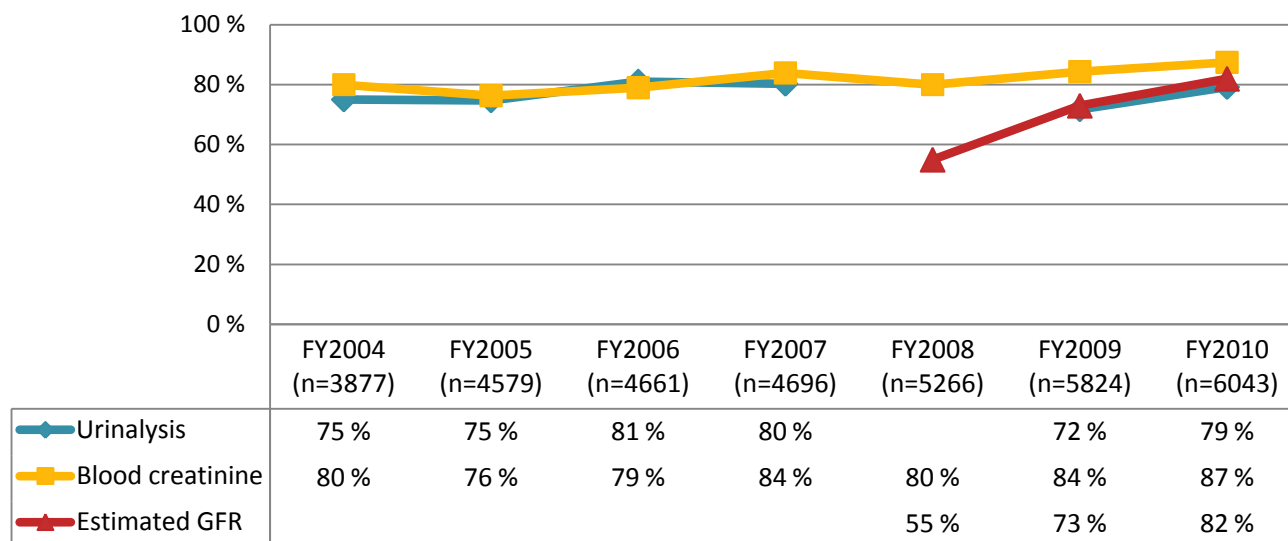


Patient has "known hypertension" if hypertension is on the problem list or the patient has had at least 3 visits with a diagnosis of hypertension.

Tracking of proteinuria changed in FY2008 so that comparisons to previous years' data are not meaningful.

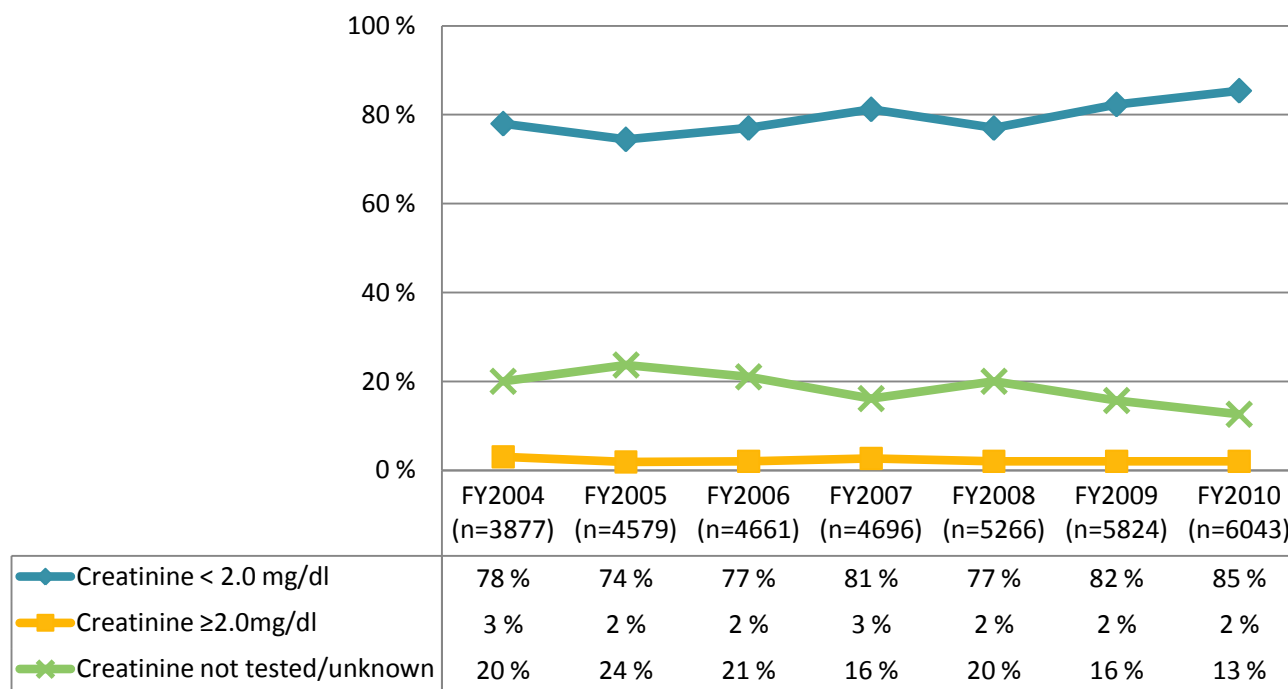
Diabetes Audit Results, Portland Area, 2004-2010

Renal Function Testing



Urinalysis results for FY2008 exclude non-quantitative tests (e.g., dipstick) so cannot be compared to other years' data. FY2009 data were also collected using different definitions than before. Estimated GFR was added in FY2008.

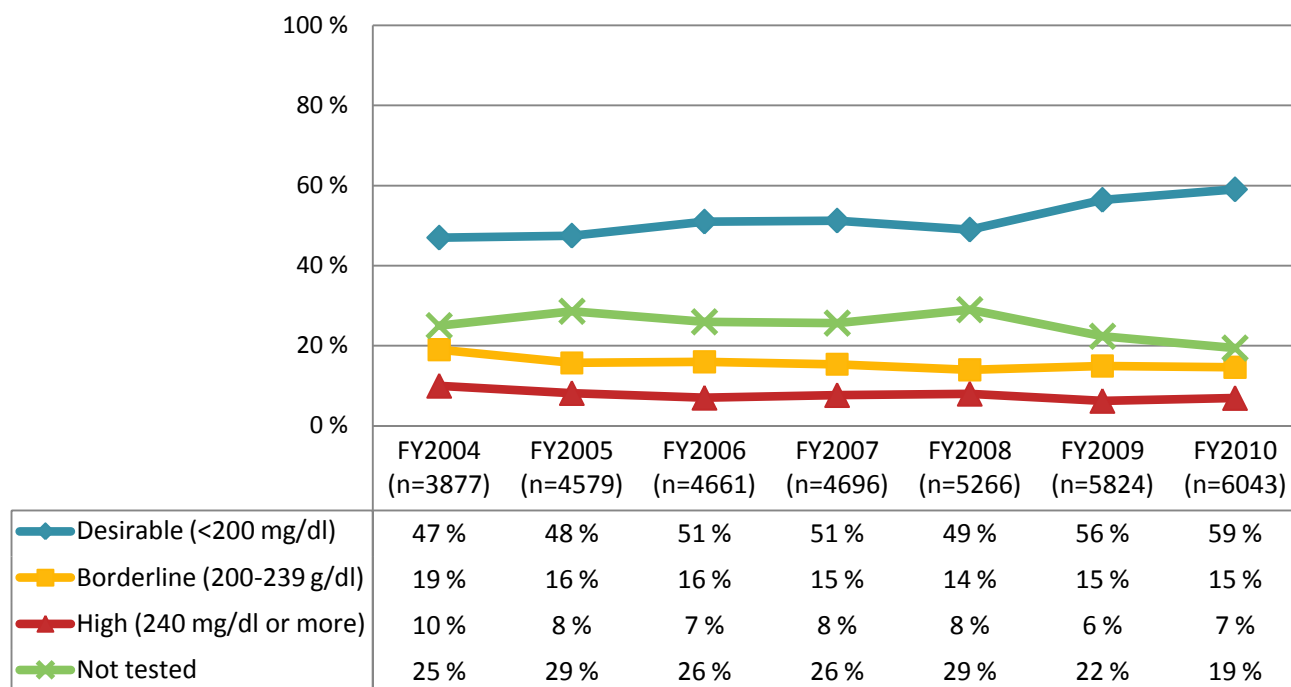
Serum Creatinine Results



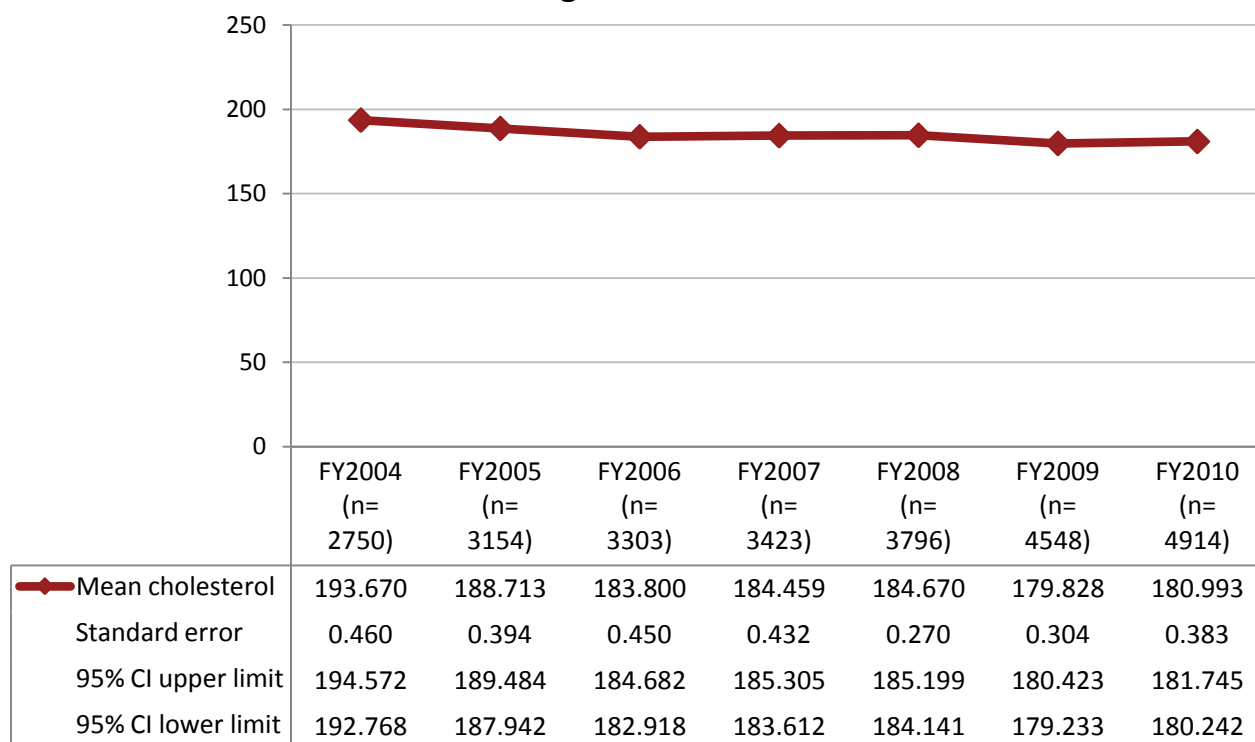
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010

Cholesterol

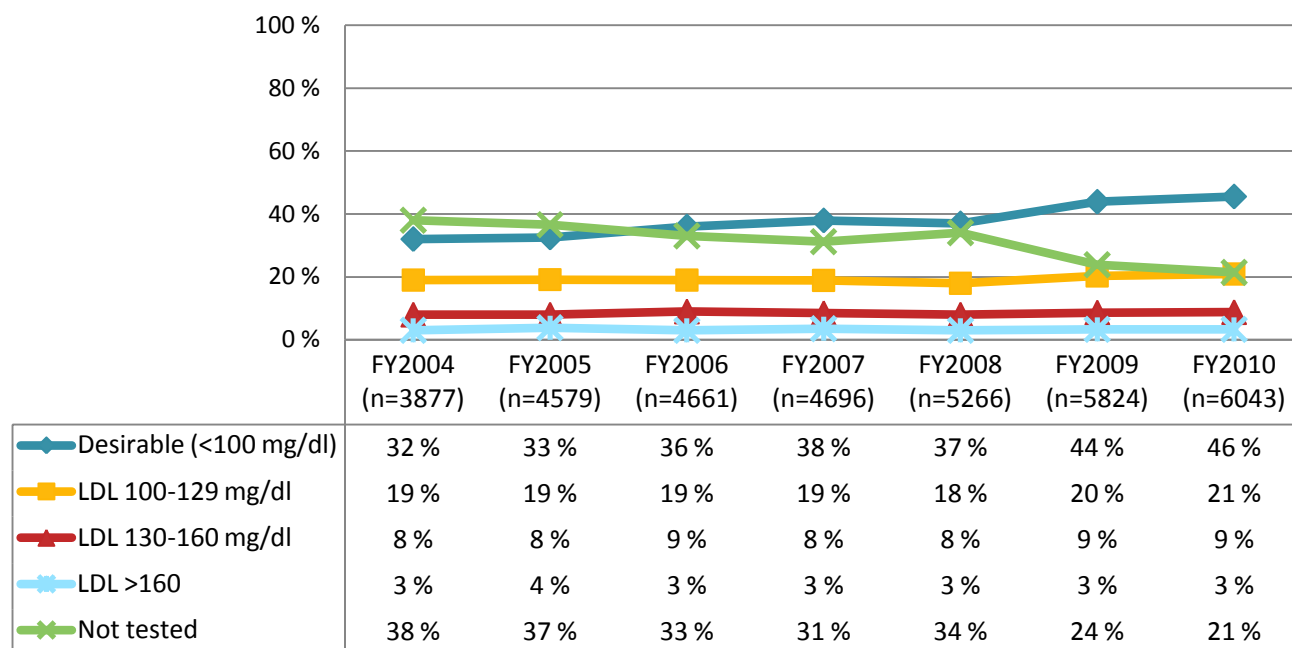


Average Cholesterol

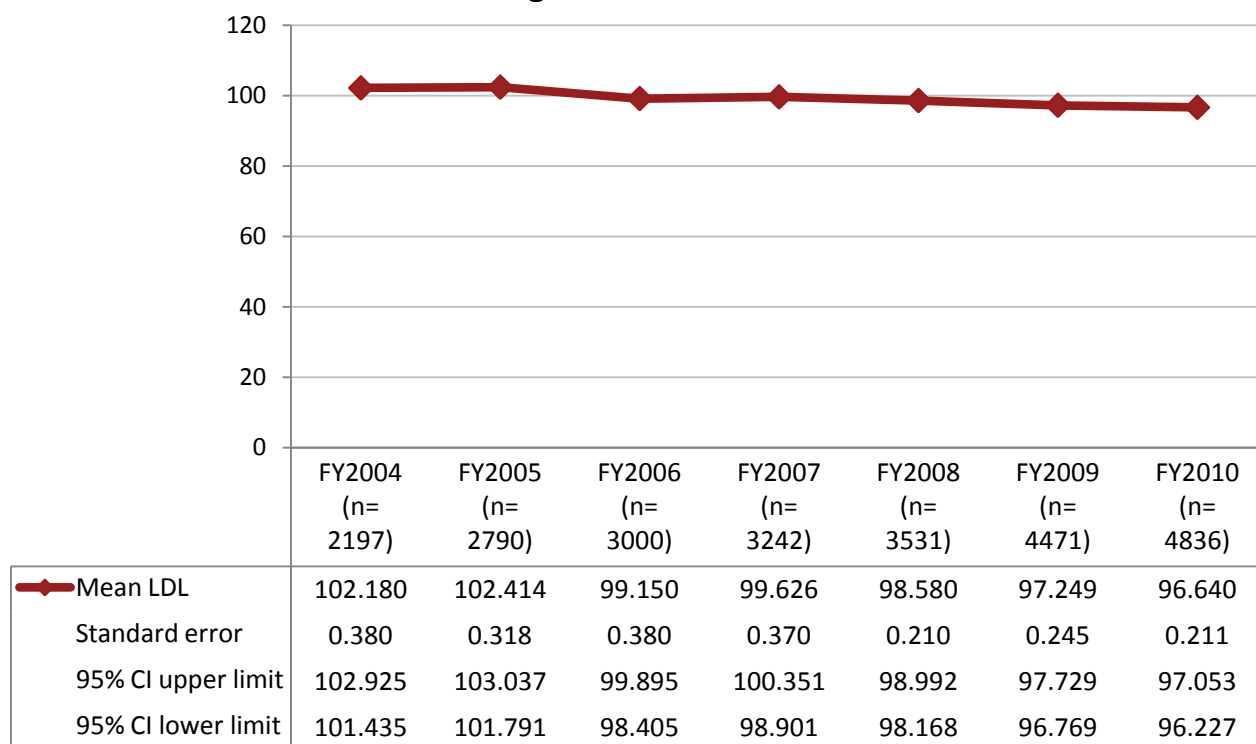


Diabetes Audit Results, Portland Area, 2004-2010

Low-Density Lipoprotein (LDL) Cholesterol



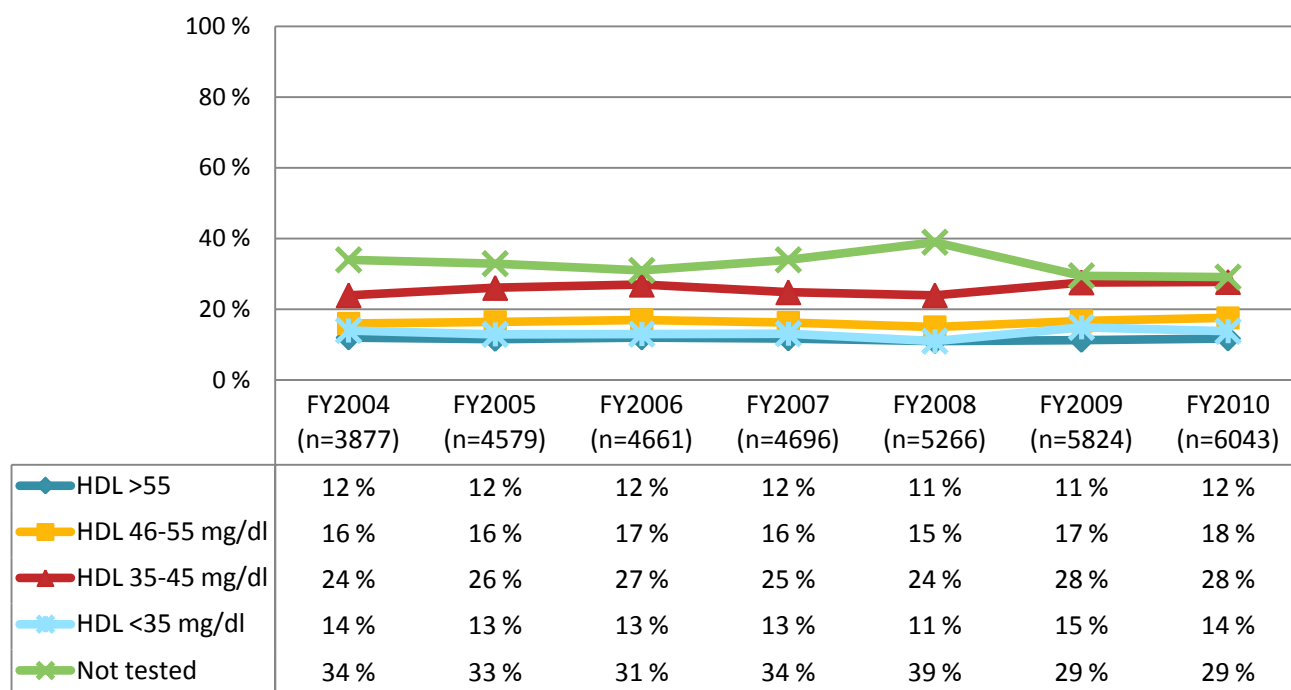
Average LDL Cholesterol



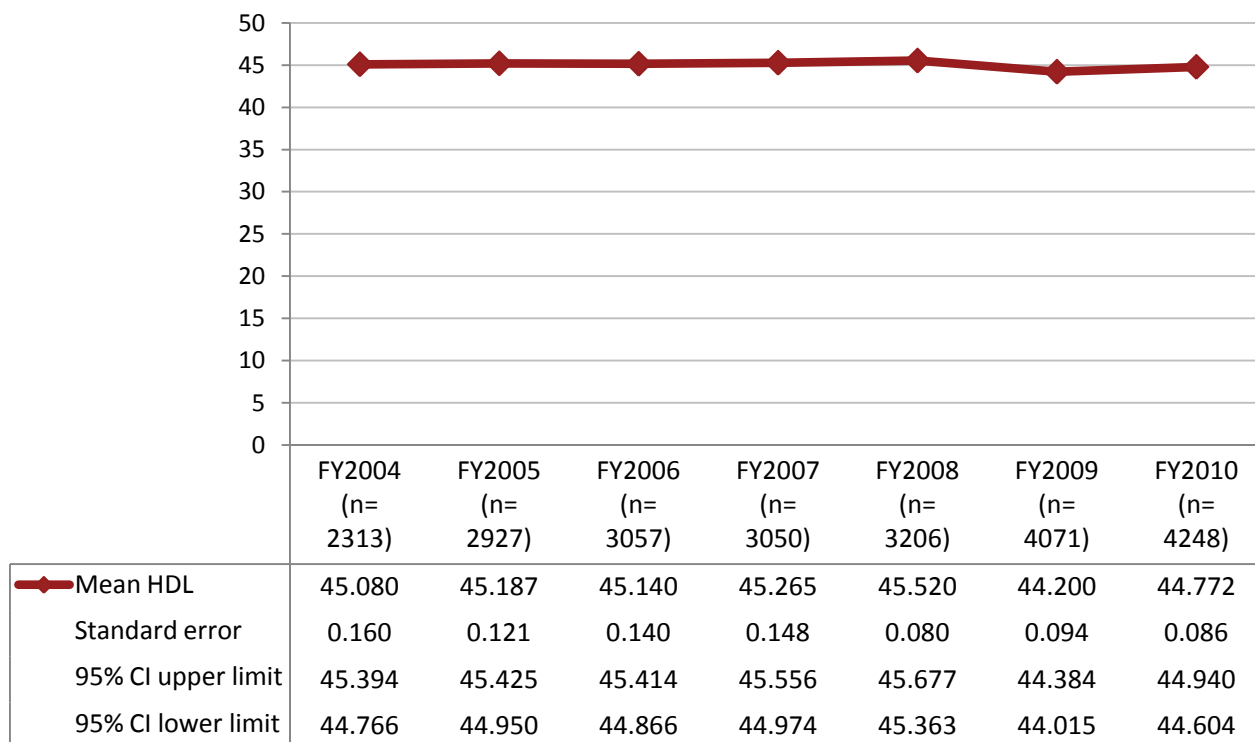
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010

High-Density Lipoprotein (HDL) Cholesterol

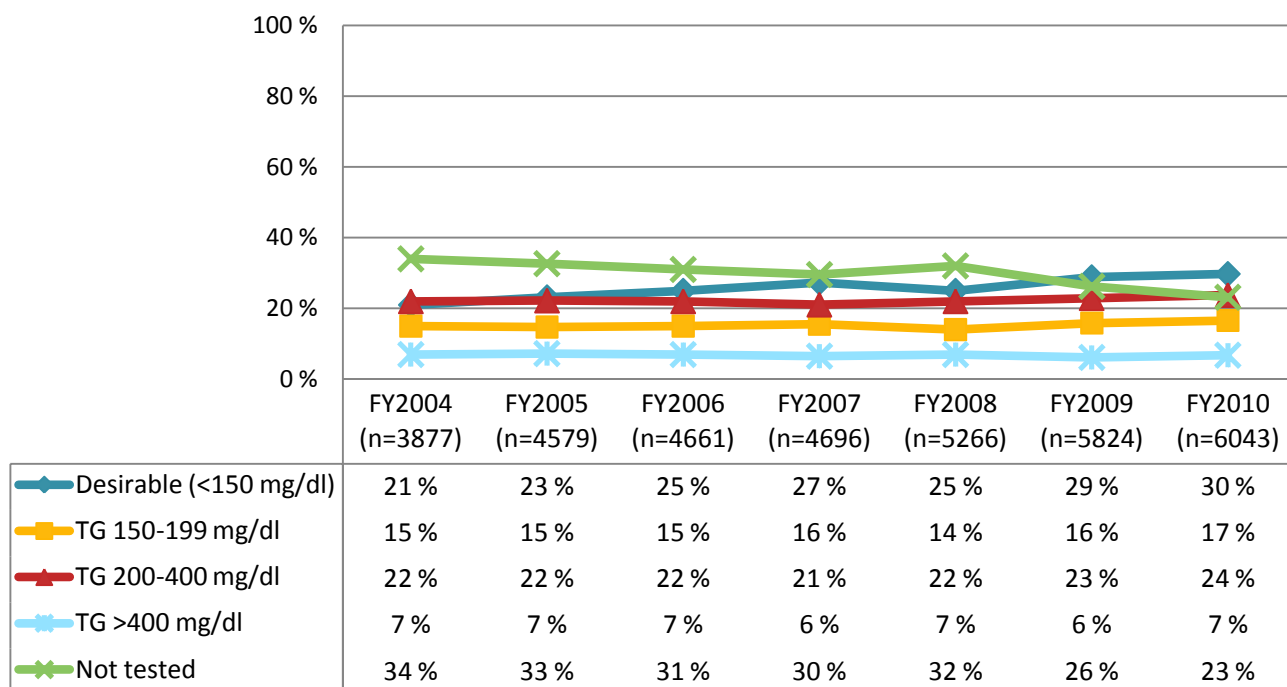


Average HDL Cholesterol

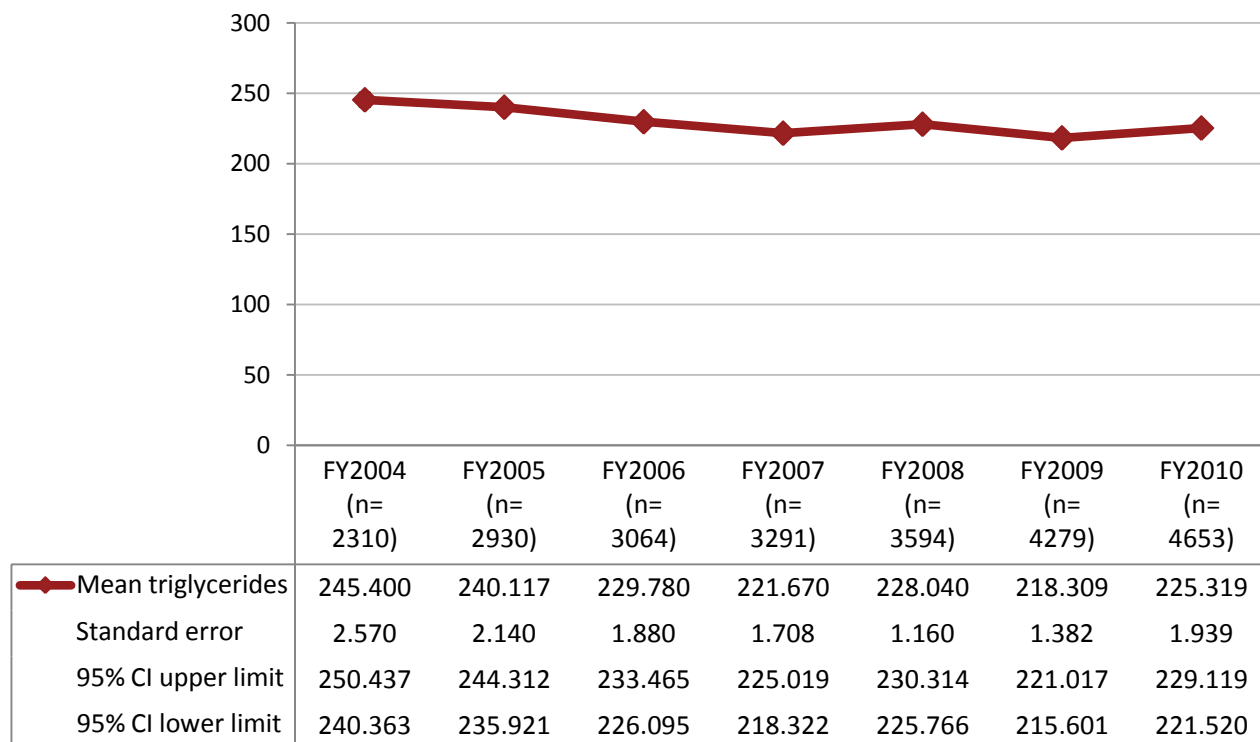


Diabetes Audit Results, Portland Area, 2004-2010

Triglycerides



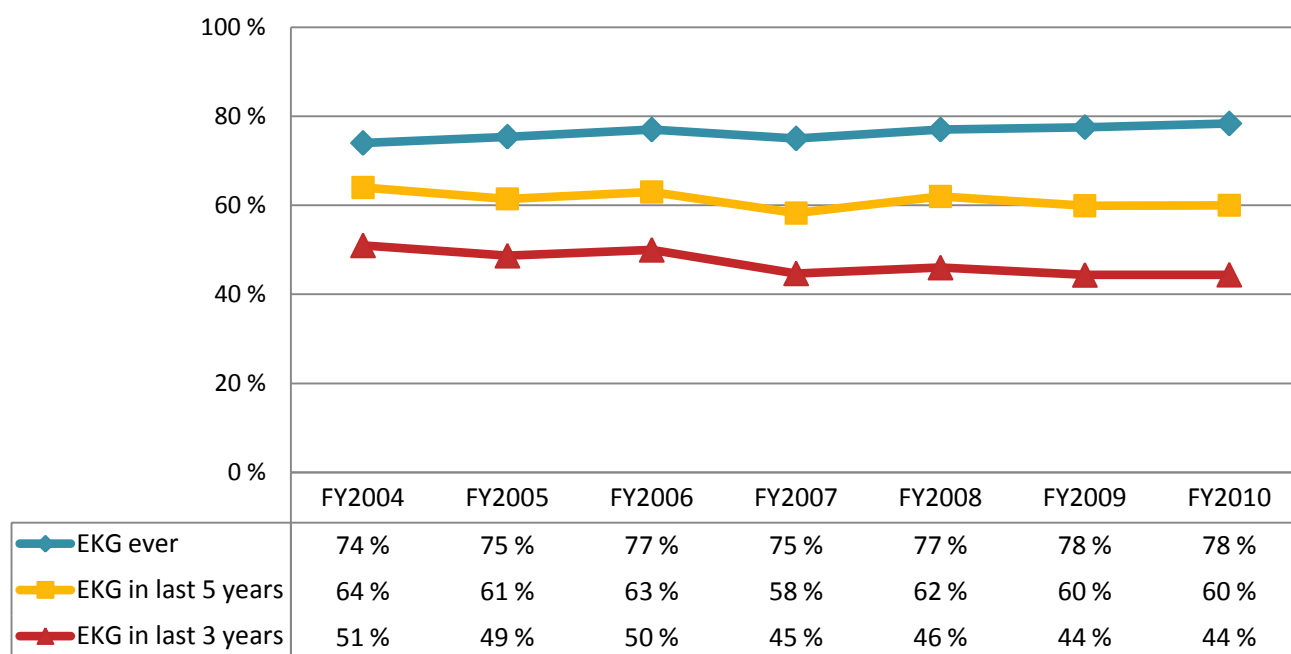
Average Triglyceride Levels



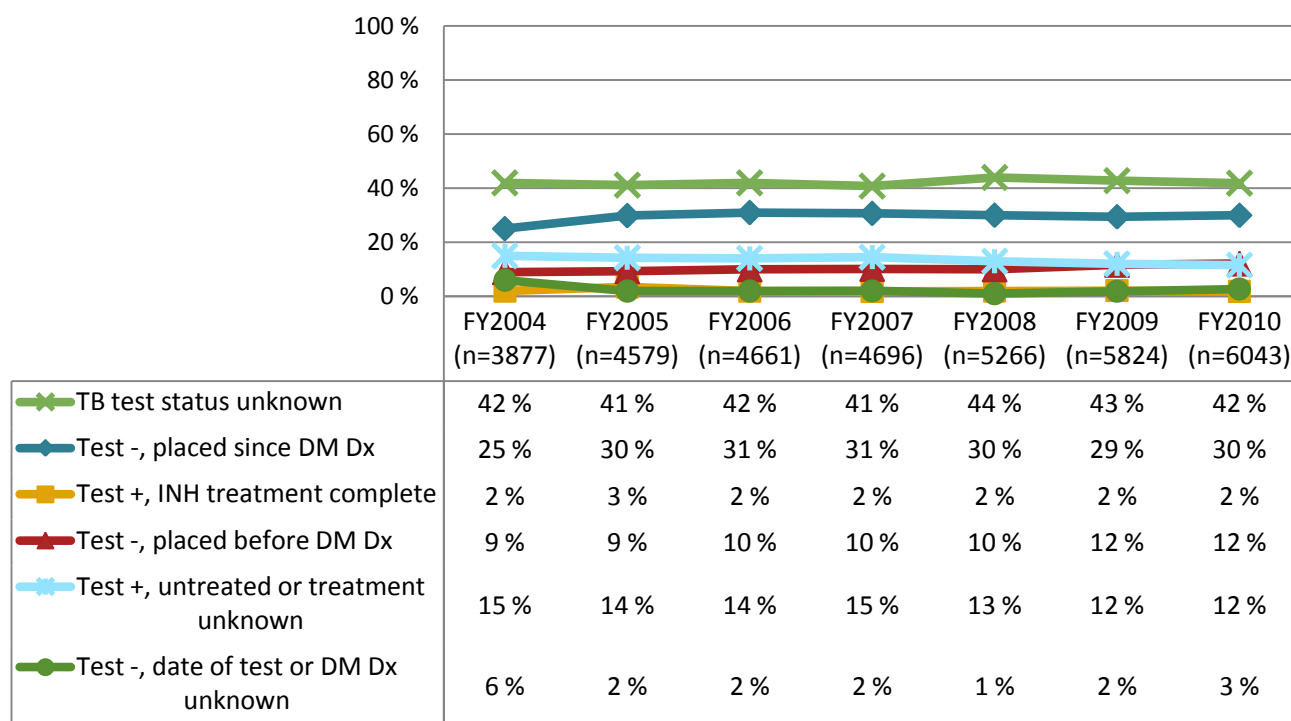
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Diabetes Audit Results, Portland Area, 2004-2010

EKG among Patients 30 and Older



Tuberculosis or PPD History



A negative PPD or blood test (added to the Audit in 2010) for tuberculosis is considered current if it was placed after the date of diabetes diagnosis. INH treatment is noted only if the treatment course was completed.

Diabetes Data Report - Comparison

Jan 1 - Dec 31, 2009

This information is for the following groups:

	Portland Area	All Areas
Denominator:	6143	81346

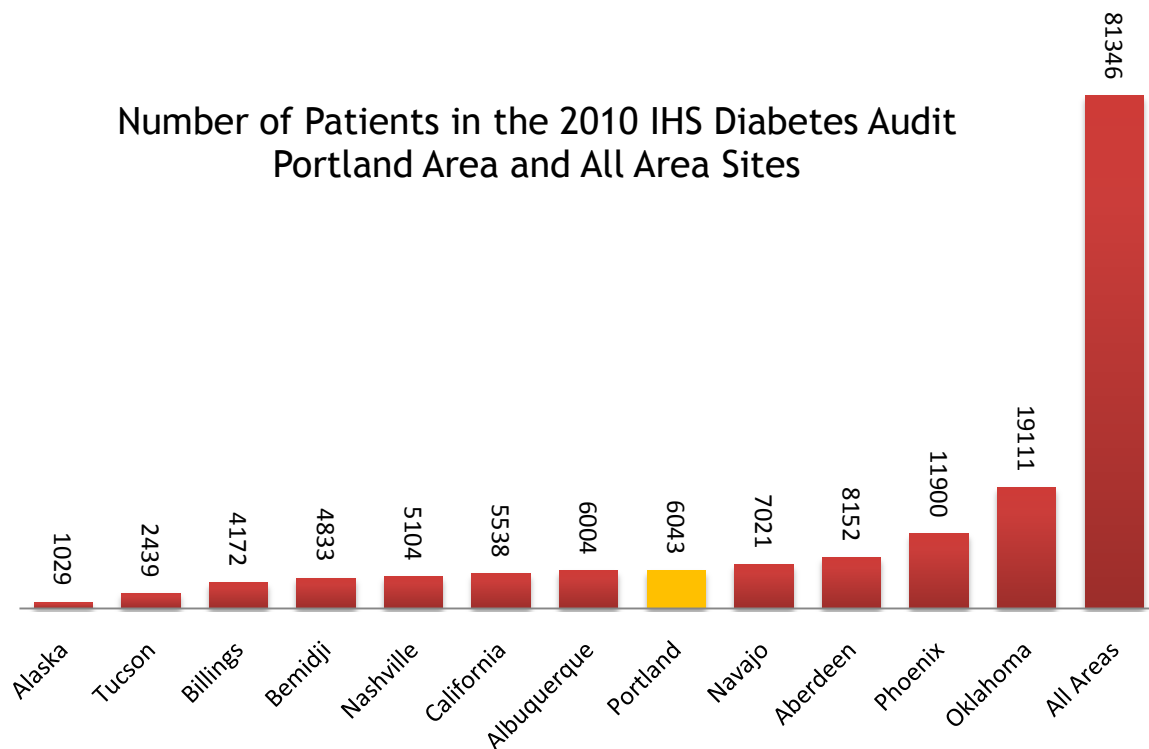
The following report contains information from the Annual IHS Diabetes Audit submission. It also includes summary data from all reporting tribal, IHS and urban facilities in All Areas. The audit information is displayed side by side so that you can see how the Portland Area compares to All Areas.* If you have any questions about the report, please contact the Western Tribal Diabetes Project at (800) 862-5497.

*Due to changes in the audit from the previous year, the data for urinalysis testing and results should not be used to determine the efficacy of programs submitting the audit.

Who is this report about?

Status of Patients included in report	Active
Racial Classification	AI/AN

Number of Patients in the 2010 IHS Diabetes Audit
Portland Area and All Area Sites



Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

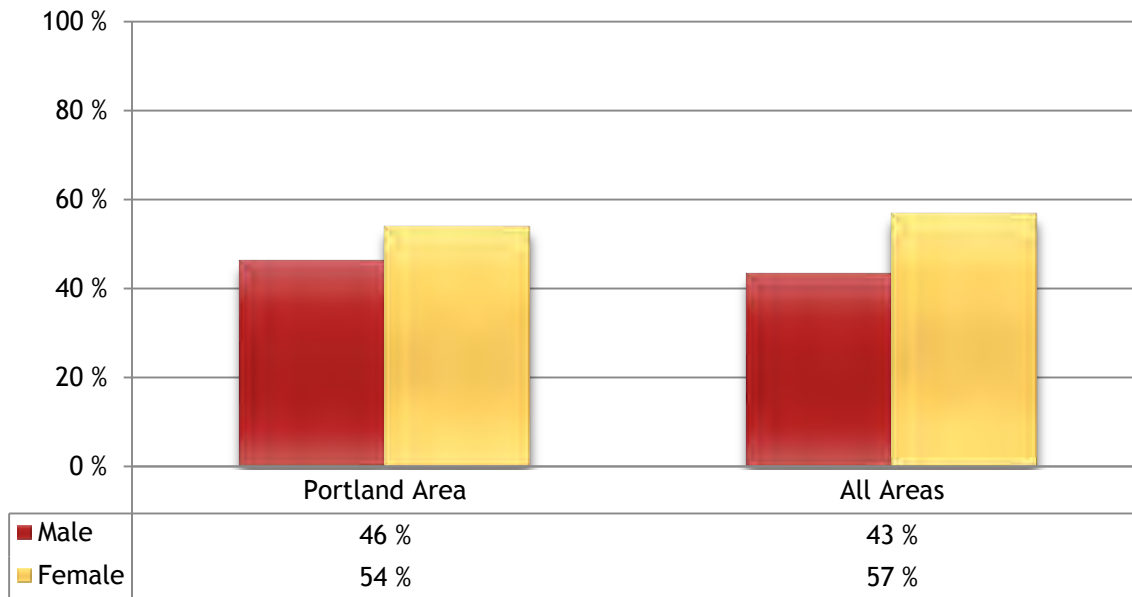
All Areas

Denominator:

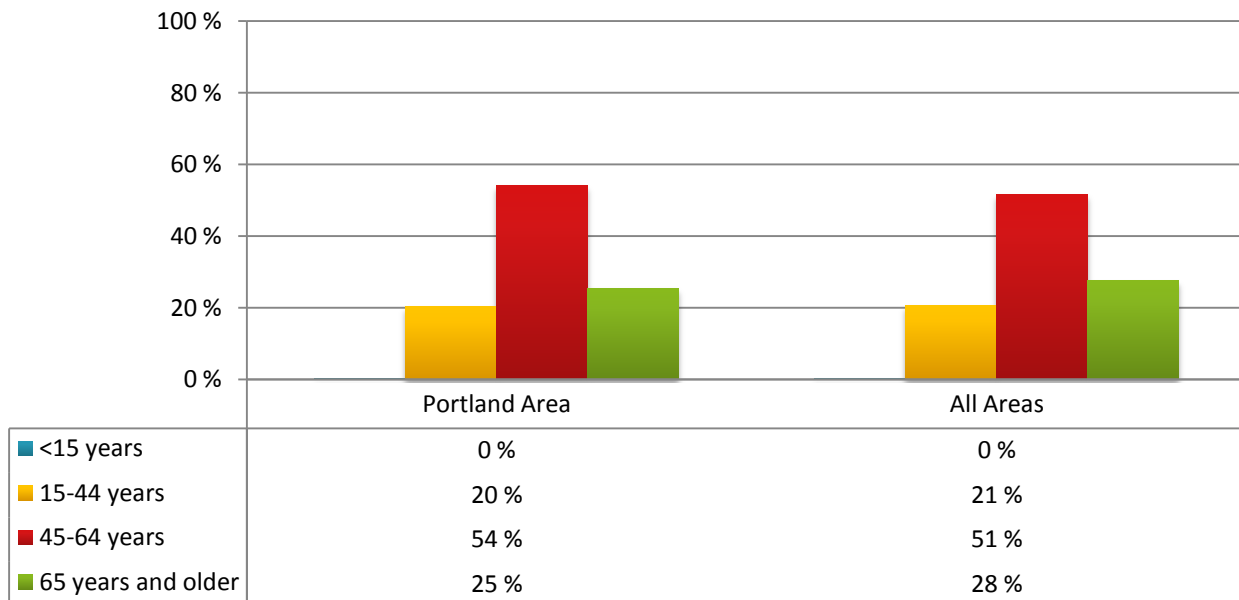
6143

81346

Gender of Patients with Diabetes



Age Distribution of Patients with Diabetes



Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

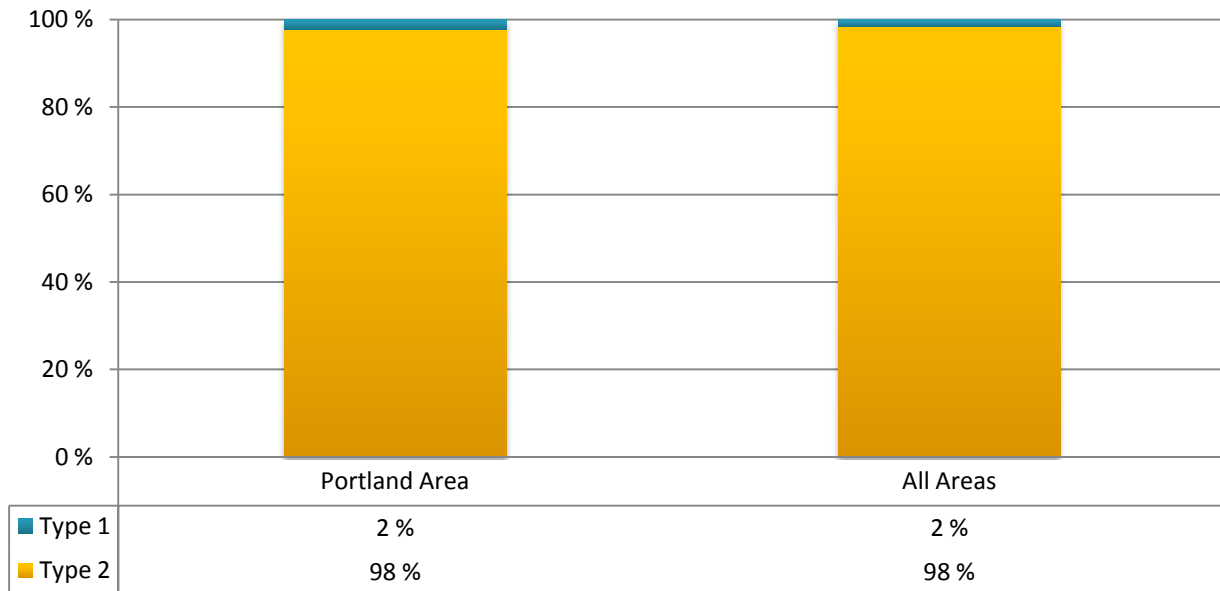
All Areas

Denominator:

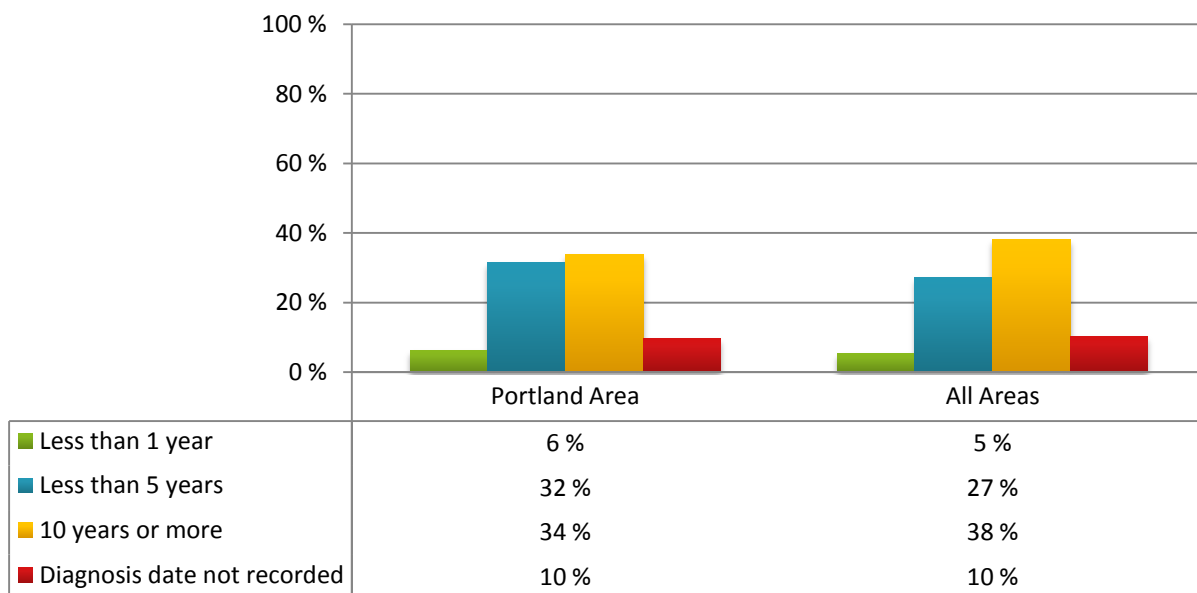
6143

81346

Type of Diabetes Diagnosed



Duration of Diabetes



Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

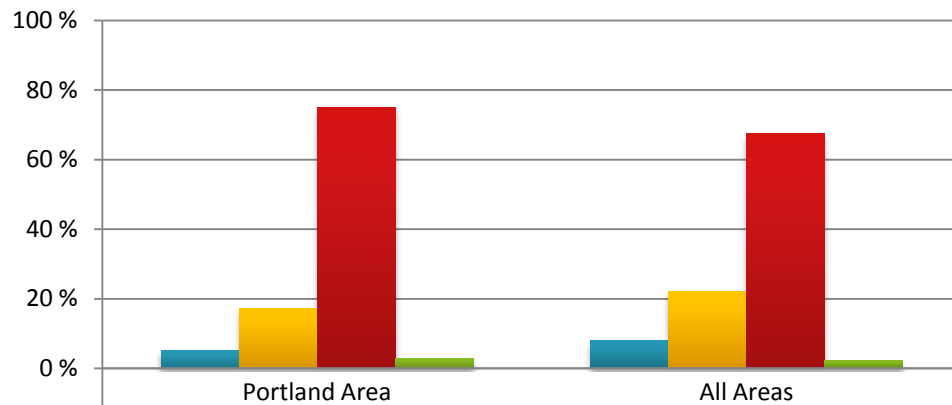
All Areas

Denominator:

6143

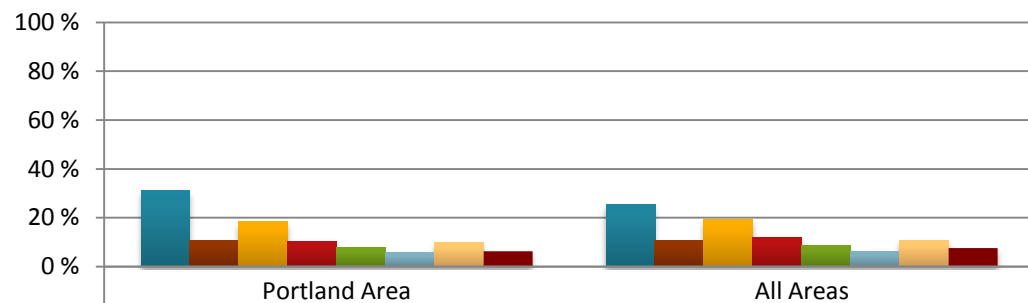
81346

Weight Distribution



■ Normal (BMI < 25.0)	5 %	8 %
■ Overweight (BMI 25.0-25.9)	17 %	22 %
■ Obese (BMI 30.0 or above)	75 %	68 %
■ Height or Weight missing	3 %	2 %

Hemoglobin A1C



■ HbA1c ≤ 6.5	31 %	25 %
■ HbA1c 6.6-6.9	11 %	10 %
■ HbA1c 7.0-7.9	18 %	19 %
■ HbA1c 8.0-8.9	10 %	12 %
■ HbA1c 9.0-9.9	8 %	9 %
■ HbA1c 10.0-10.9	6 %	6 %
■ HbA1c 11.0 or higher	10 %	11 %
■ HbA1c no test or result	6 %	8 %

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

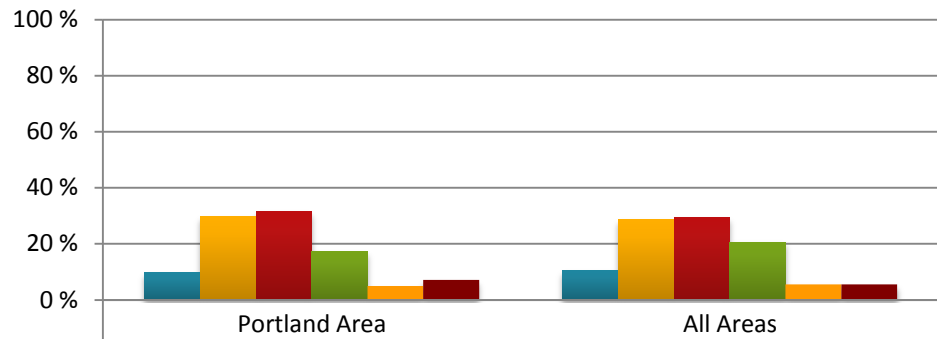
All Areas

Denominator:

6143

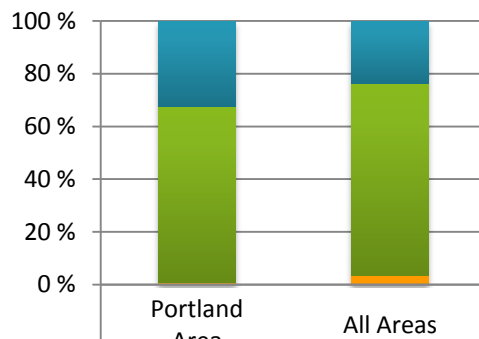
81346

Blood Pressure



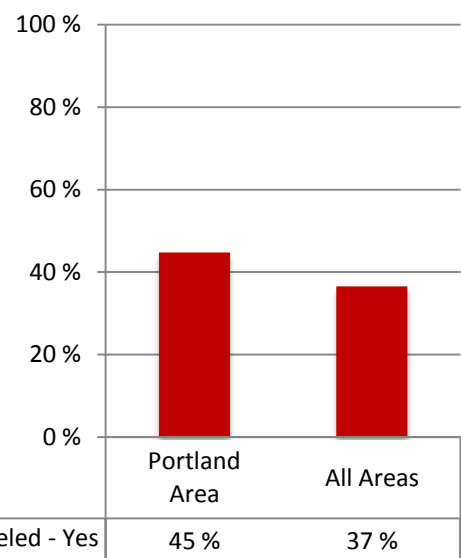
■ Ideal BP Control (<120/<70)	10 %	10 %
■ Target (120/70 - <130/<80)	30 %	29 %
■ Adequate (130/80 - <140/<90)	32 %	29 %
■ Inadequate (140/90 - <160/<95)	17 %	21 %
■ Markedly Poor (160/95 or higher)	5 %	6 %
■ BP control undetermined	7 %	5 %

Tobacco Use



■ Current Tobacco User	32 %	24 %
■ Not a current tobacco user	67 %	73 %
■ Tobacco use not documented	1 %	4 %

Tobacco Counseling among Tobacco users



■ Counseled - Yes	45 %	37 %
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Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

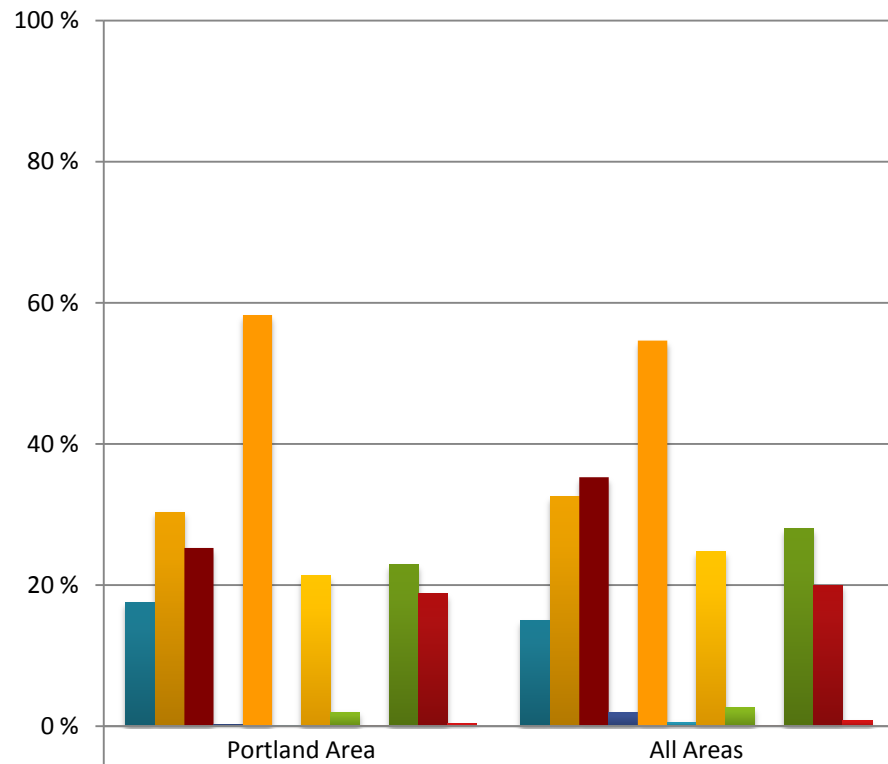
All Areas

Denominator:

6143

81346

Diabetes Treatment



Diet and Exercise Alone	18 %	15 %
Insulin	30 %	33 %
Sulfonylurea	25 %	35 %
Sulfonylurea-like (Prandin, Starlix)	0 %	2 %
Metformin	58 %	55 %
Acarbose/Miglitol	0 %	1 %
Glitazone	21 %	25 %
DPP4 Inhibitor (Januvia, Onglyza)	2 %	3 %
Incretin Mimetic (Byetta)	0 %	0 %
Combination of Oral Meds	23 %	28 %
Combination of Oral Meds + Insulin	19 %	20 %
Refused or Undetermined	0 %	1 %

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

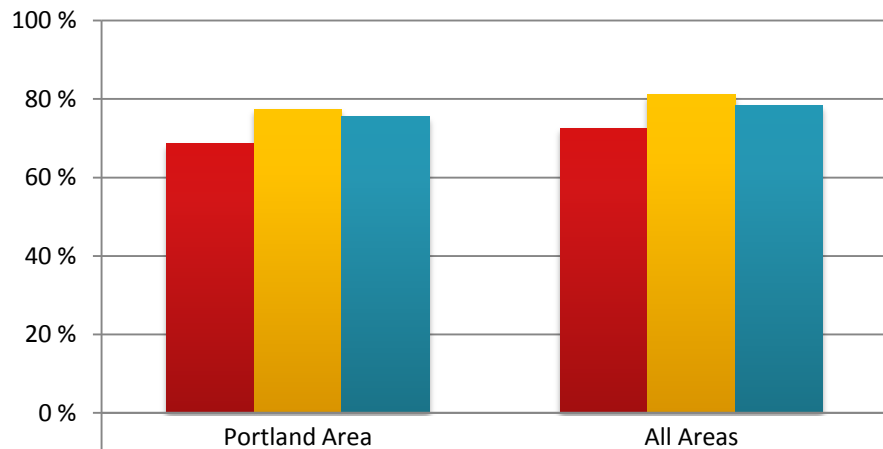
All Areas

Denominator:

6143

81346

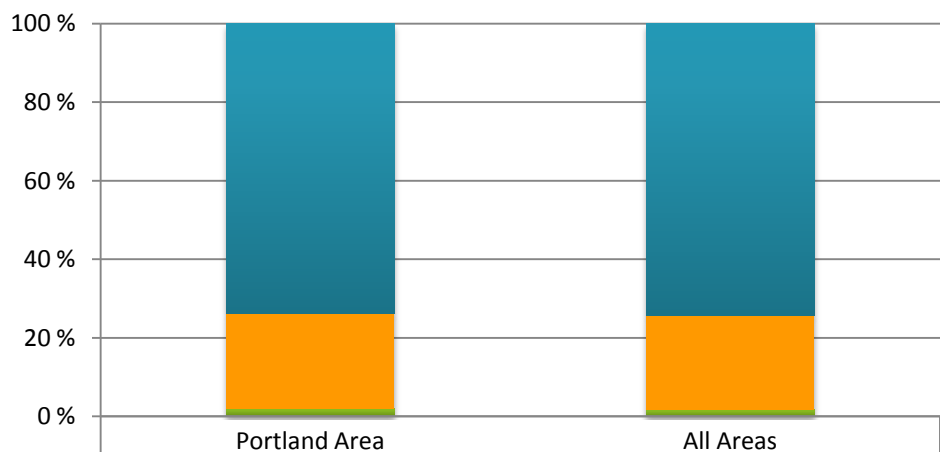
Ace Inhibitor (or ARB) Use



■ ACE [overall]
 ■ Use in pts with known hypertension
 ■ Use in pts with elevated albuminuria

Anti-Platelet Therapy

Among
Patients 40
years of age
or older



■ Aspirin/Antiplatelet Prescription
 ■ None
 ■ Refused or Adverse Reaction

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

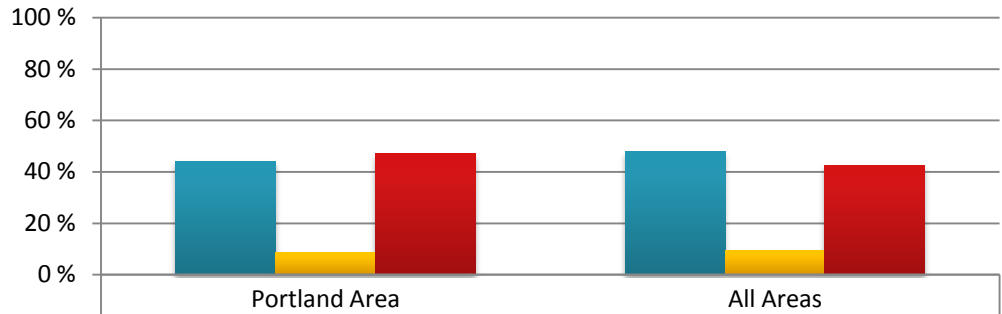
All Areas

Denominator:

6143

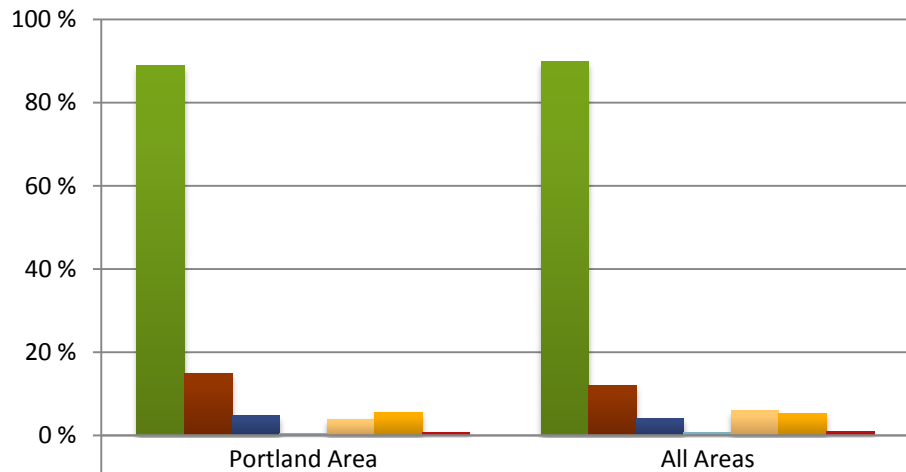
81346

Lipid Lowering Agent Use



■ Single lipid agent
■ Two or more lipid agents
■ None or refused

Type of Lipid-Lowering Agent Used



■ Statin (simvastatin, others)
■ Fibrate (gemfibrozil/Lopid, others)
■ Niacin (Niaspan, OTC niacin)
■ Bile Acid Sequestrant (cholestyramine)
■ Ezetimibe (Zetia)
■ Fish Oil - Rx or OTC
■ Lovaza

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

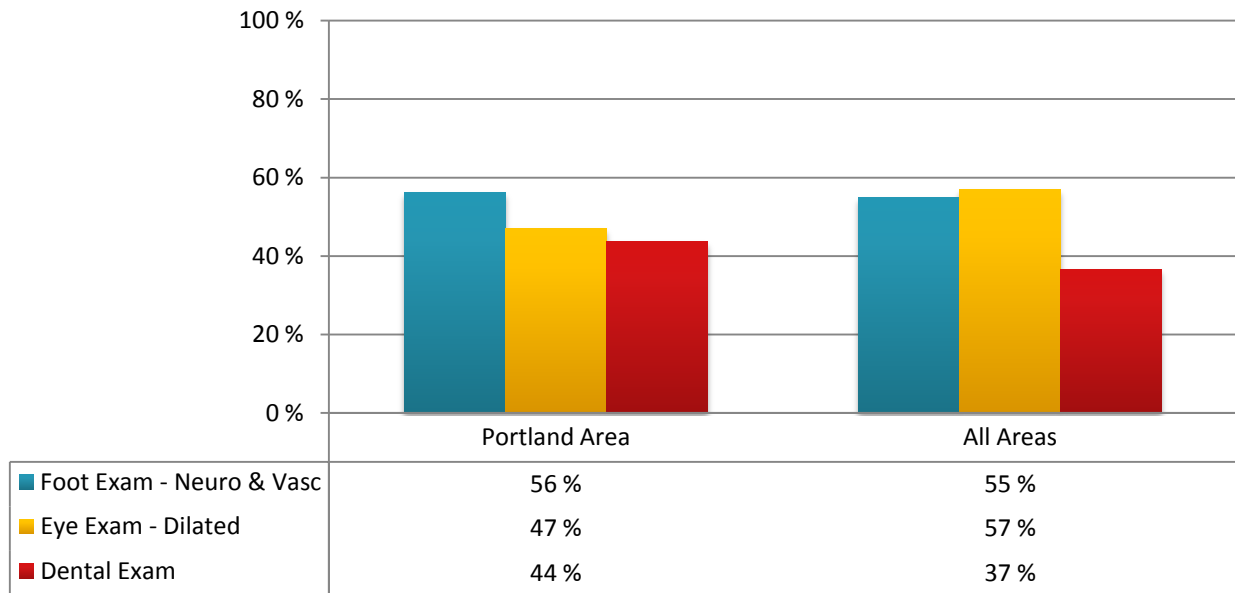
All Areas

Denominator:

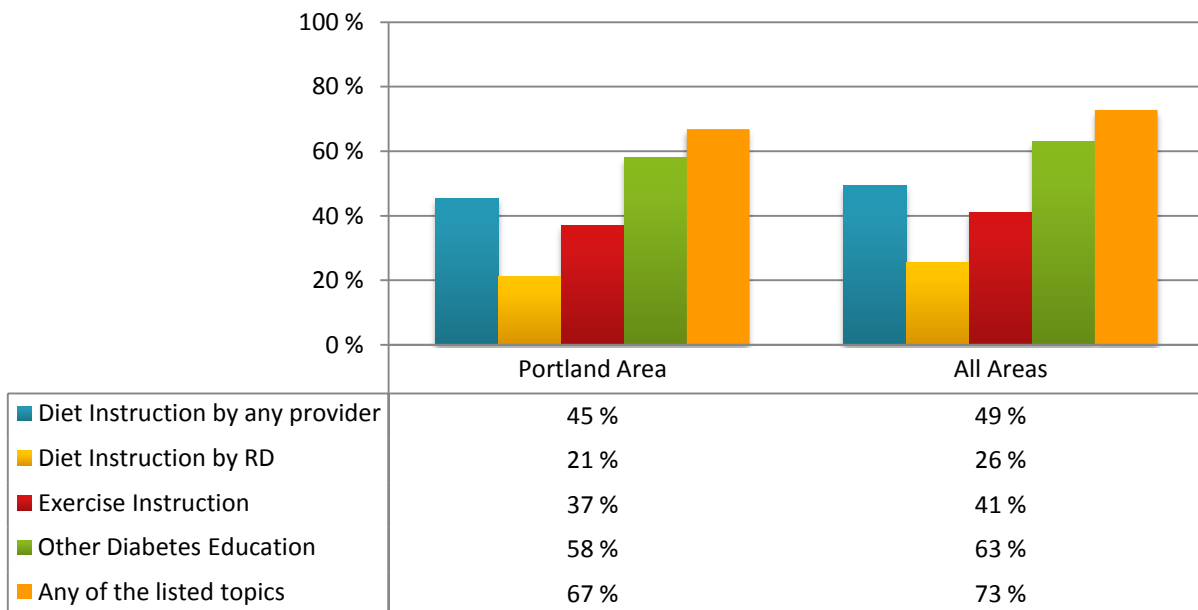
6143

81346

Yearly Exams



Yearly Diabetes Education



Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

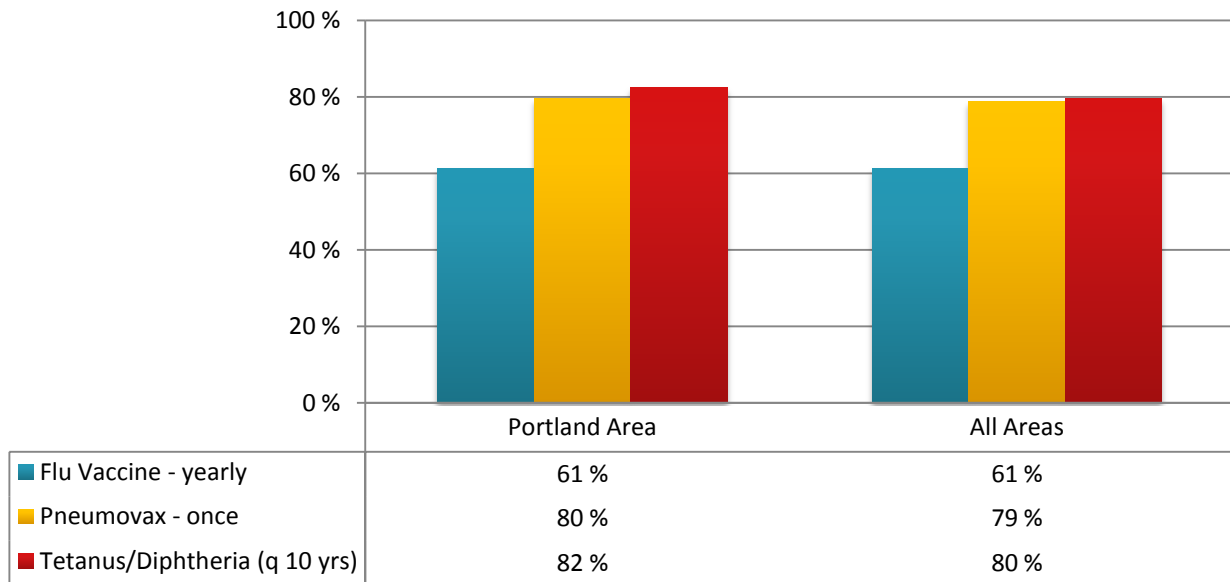
All Areas

Denominator:

6143

81346

Immunizations



Portland Area

Flu Vaccine refused: 5%

Pneumovax refused: 2%

Tetanus/Diphtheria refused: 2%

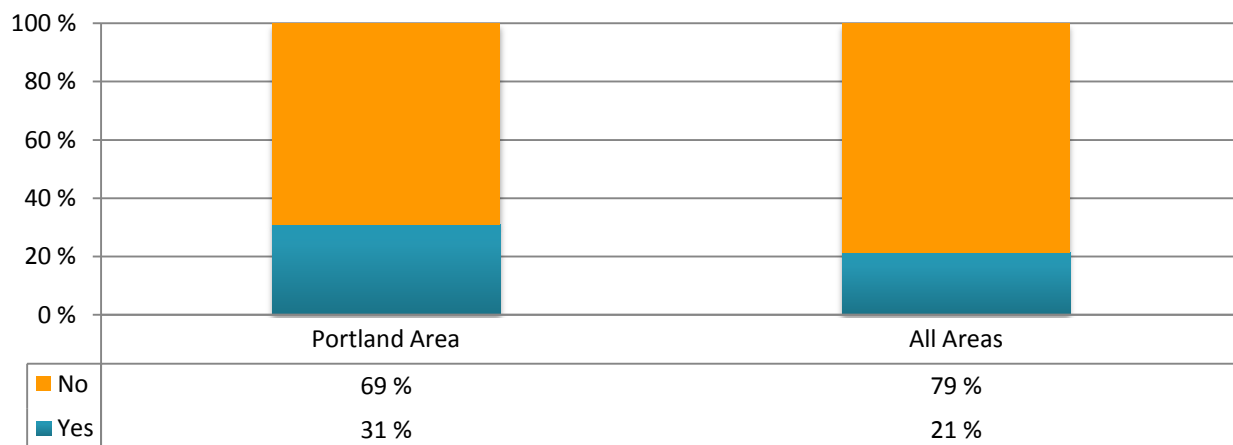
All Areas

Flu Vaccine refused: 6%

Pneumovax refused: 3%

Tetanus/Diphtheria refused: 2%

Depression Identified as Active Diagnosis



Jan 1 - Dec 31, 2009

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Portland Area

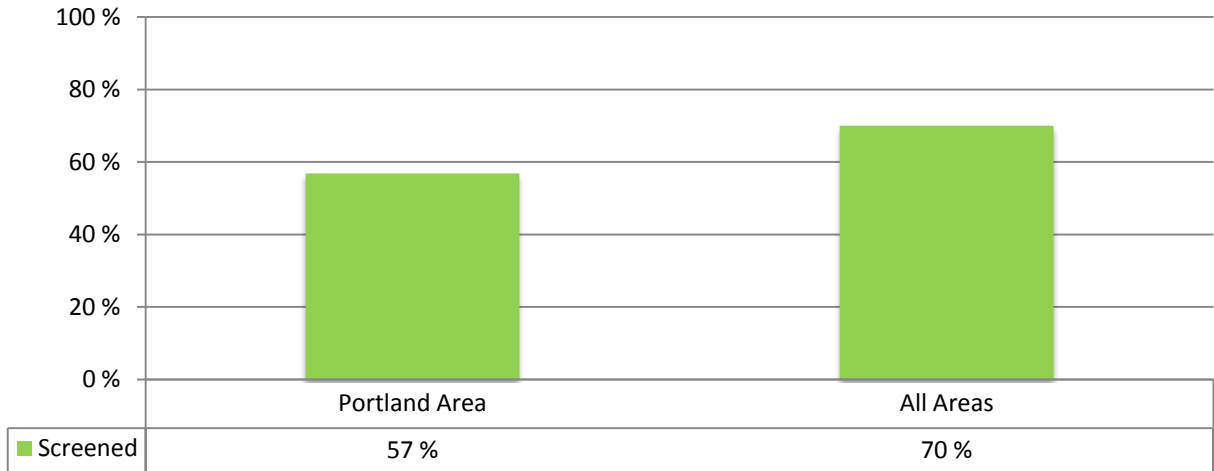
All Areas

Denominator:

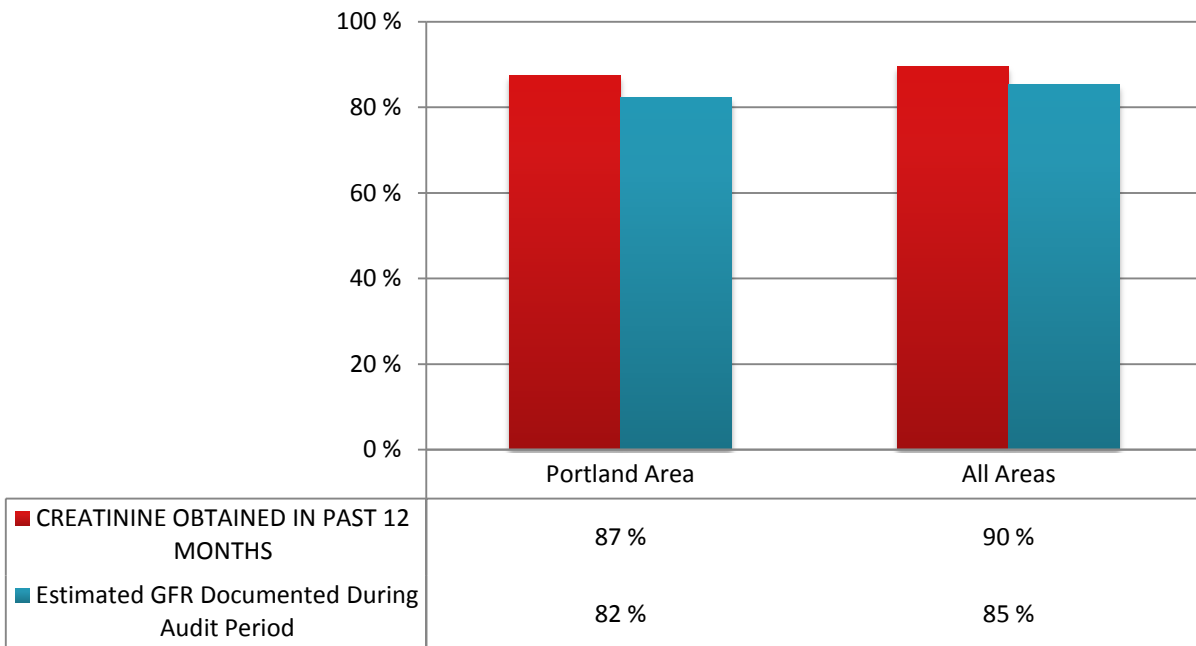
6143

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Of Patients Without Active Depression Diagnosis, Proportion Screened for Depression in Past Year



Creatinine and Estimated GFR Testing



Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

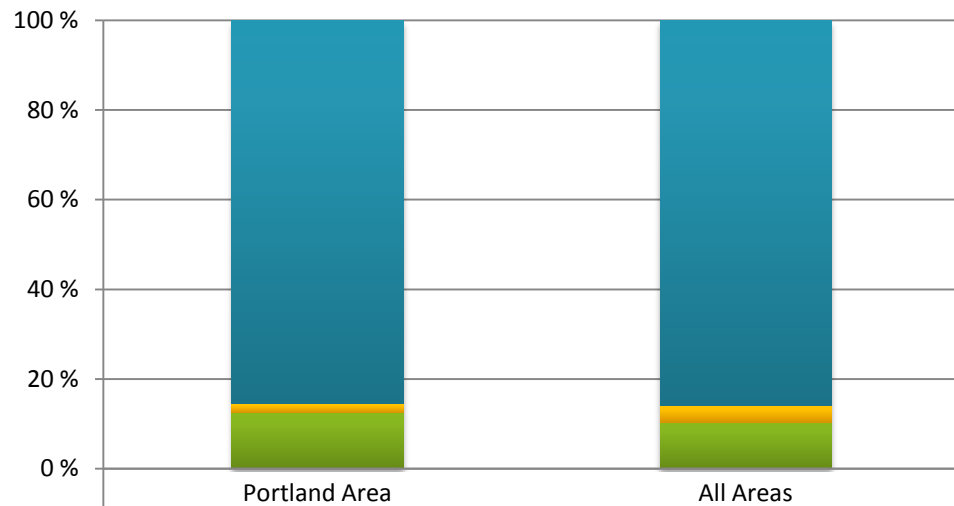
All Areas

Denominator:

6143

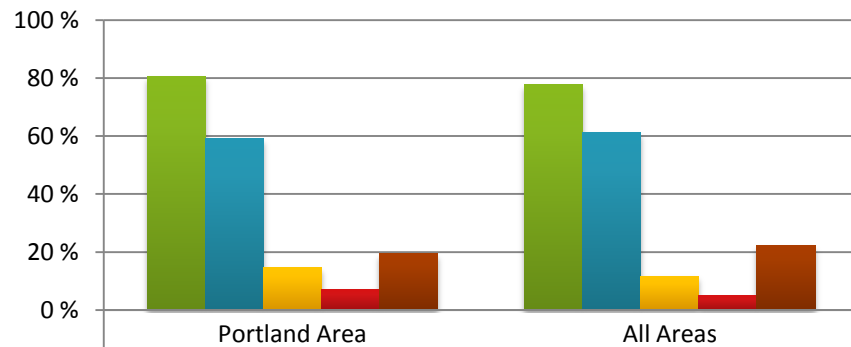
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Creatinine Findings



■ Creatinine < 2.0mg/dl	85 %	86 %
■ Creatinine ≥ 2.0mg/dl	2 %	4 %
■ Not tested or no valid result	13 %	10 %

Total Cholesterol



■ CHOLESTEROL OBTAINED IN PAST 12 MONTHS	81 %	78 %
■ Desirable (<200 mg/dl)	59 %	61 %
■ Borderline (200-239 g/dl)	15 %	12 %
■ High (240 mg/dl or more)	7 %	5 %
■ Not tested	19 %	22 %

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

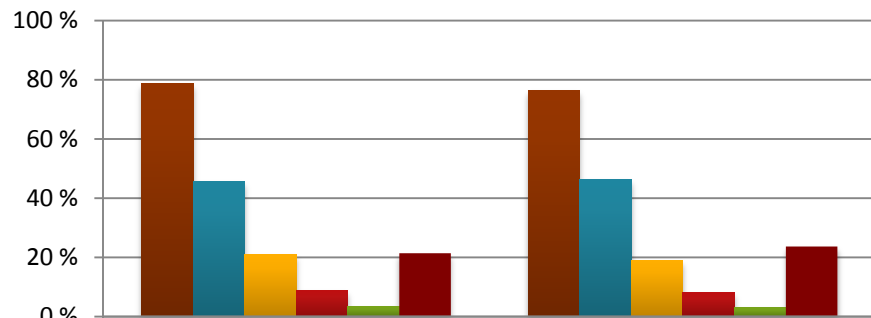
All Areas

Denominator:

6143

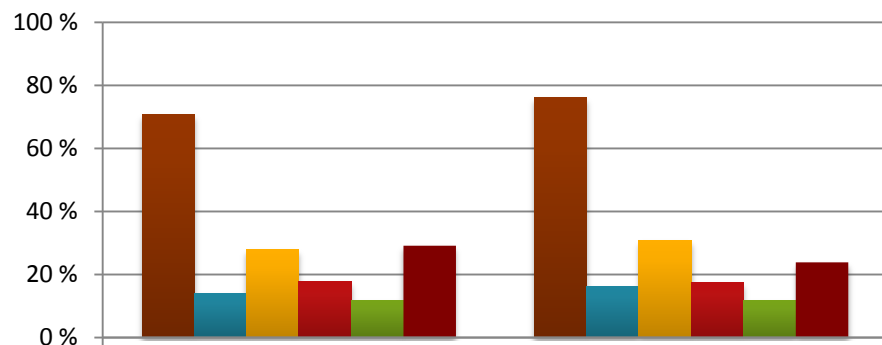
81346

LDL Cholesterol



	Portland Area	All Areas
LDL OBTAINED IN PAST 12 MONTHS	79 %	76 %
LDL <100 mg/dl	46 %	46 %
LDL 100-129 mg/dl	21 %	19 %
LDL 130-160 mg/dl	9 %	8 %
LDL >160	3 %	3 %
Not tested	21 %	24 %

HDL Cholesterol



	Portland Area	All Areas
HDL OBTAINED IN PAST 12 MONTHS	71 %	76 %
HDL <35 mg/dl	14 %	16 %
HDL 35-45 mg/dl	28 %	31 %
HDL 46-55 mg/dl	18 %	17 %
HDL >55	12 %	12 %
Not tested	29 %	24 %

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

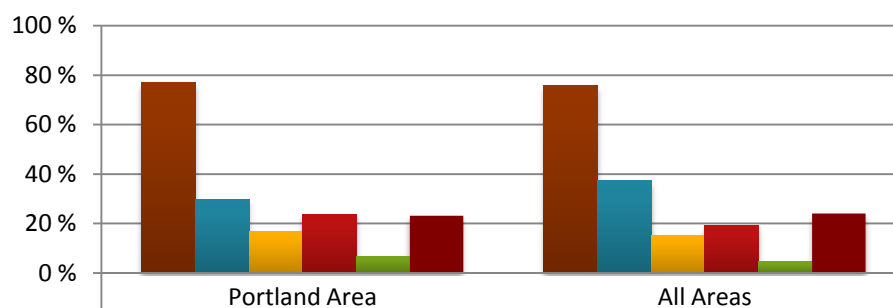
All Areas

Denominator:

6143

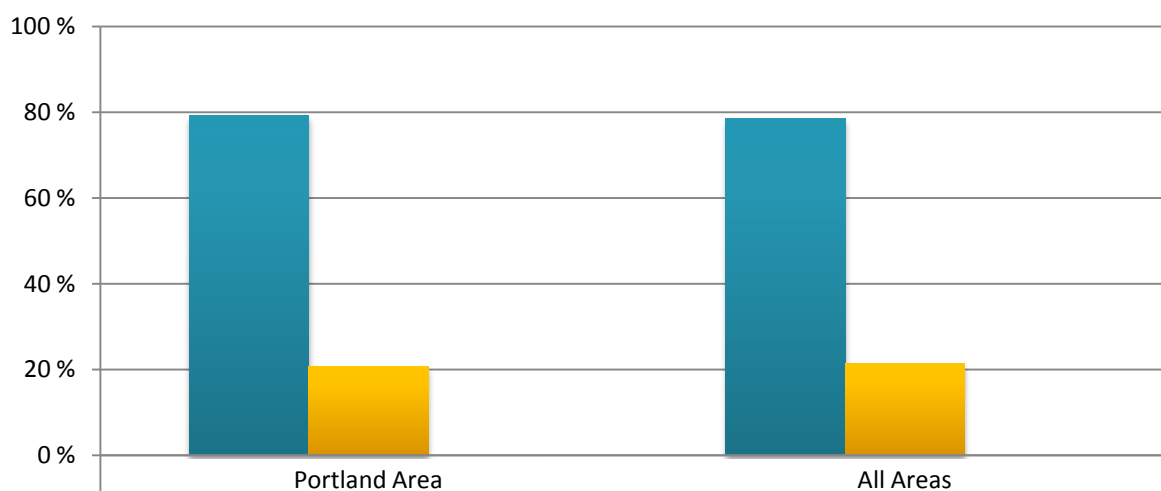
81346

Triglyceride Distribution



■ TRIGLYCERIDES OBTAINED IN PAST 12 MONTHS	77 %	76 %
■ TG <150 mg/dl	30 %	37 %
■ TG 150-199 mg/dl	17 %	15 %
■ TG 200-400 mg/dl	24 %	19 %
■ TG >400 mg/dl	7 %	4 %
■ Not tested	23 %	24 %

Urinalysis Performed



■ Yes	79 %	79 %
■ No	21 %	21 %
■ Refused	0 %	0 %

Jan 1 - Dec 31, 2009

This information is for the following groups:

Portland Area

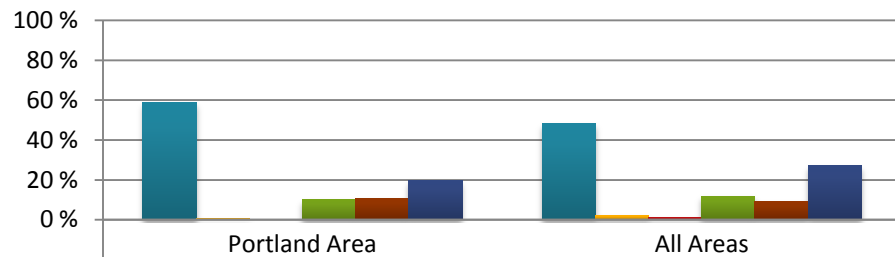
All Areas

Denominator:

6143

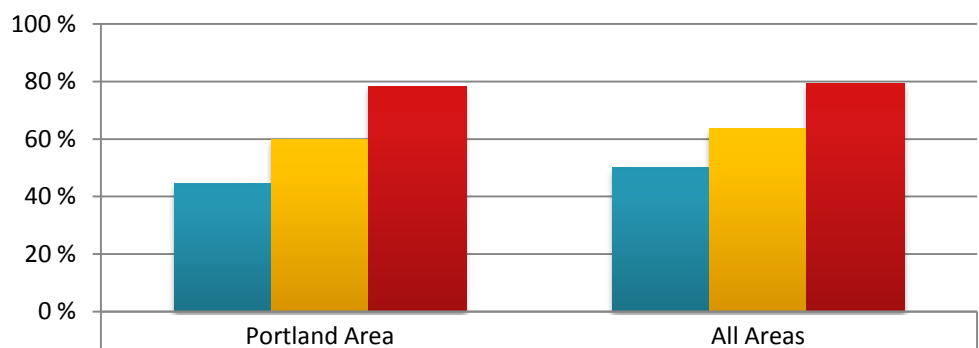
81346

Type of Urine Protein Testing



■ Urine Albumin:Creatinine Ratio (UACR)	59 %	48 %
■ Urine Protein:Creatinine Ratio (UPCR)	1 %	2 %
■ 24 hour urine protein	0 %	1 %
■ Microalbumin:creatinine strip (e.g., Clinitek)	10 %	12 %
■ Microalbumin only (e.g., Micral)	11 %	9 %
■ Standard UA dipstick protein	20 %	27 %

EKG Status



■ Performed in past 3 years	44 %	50 %
■ Performed in past 5 years	60 %	64 %
■ Ever performed	78 %	79 %

Jan 1 - Dec 31, 2009

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Portland Area

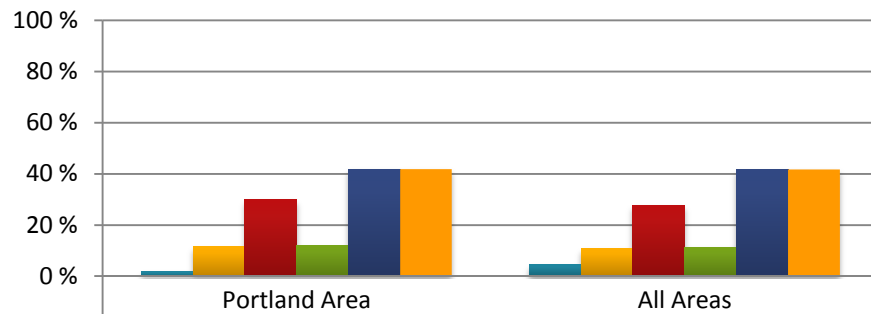
All Areas

Denominator:

6143

81346

Tuberculosis Status



TB test +, INH treatment complete	2 %	5 %
TB test +, untreated/ incomplete or tx unknown	12 %	11 %
TB test -, placed after DM diagnosis	30 %	28 %
TB test -, placed before DM diagnosis	12 %	11 %
TB test status unknown	42 %	42 %
TB test -, date of dx or test date unknown	42 %	42 %