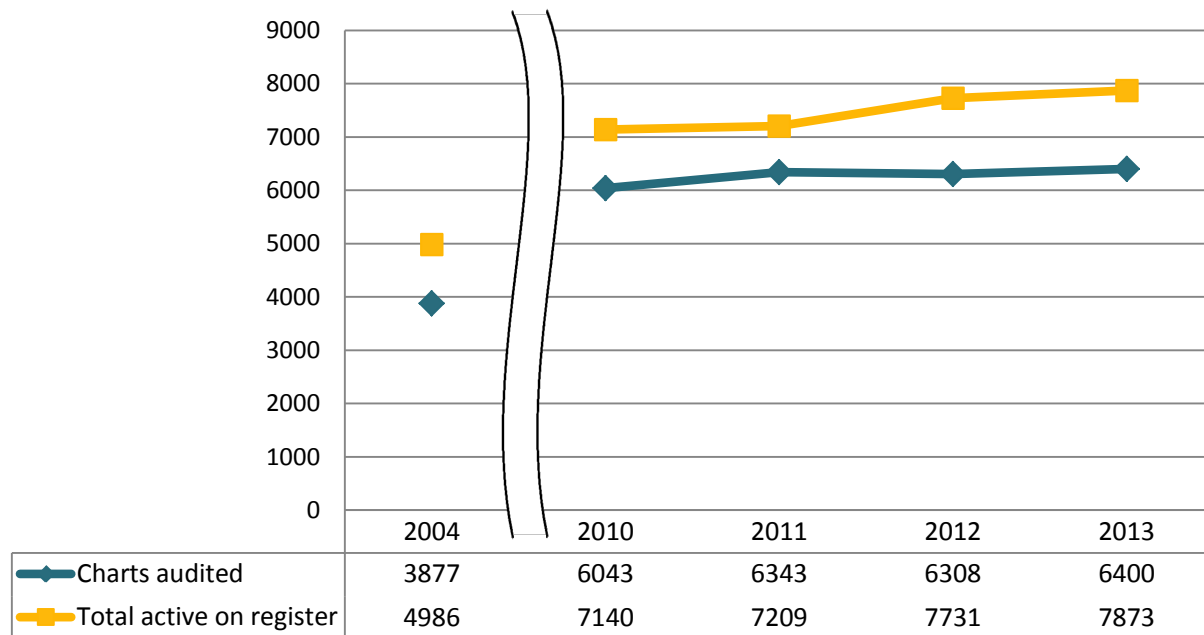## Site-Specific Trends

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**.
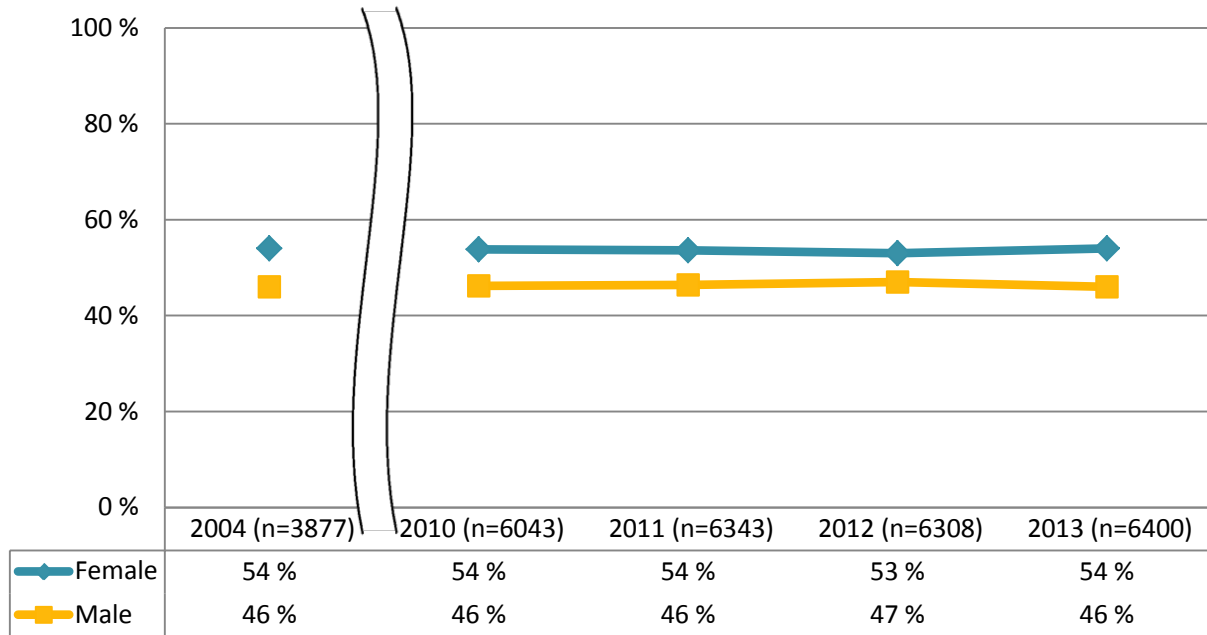
Notes:
▪ Due to rounding, charts will occasionally not add up to 100%.
▪ Data are presented by the year in which the data were submitted. Most likely, the patient care reflected in the audit was delivered in the previous year. For example, the columns 2011 in these charts reflect care that was delivered in 2010.
▪ Blank spaces have been left for some indicators in years when information was not reported.

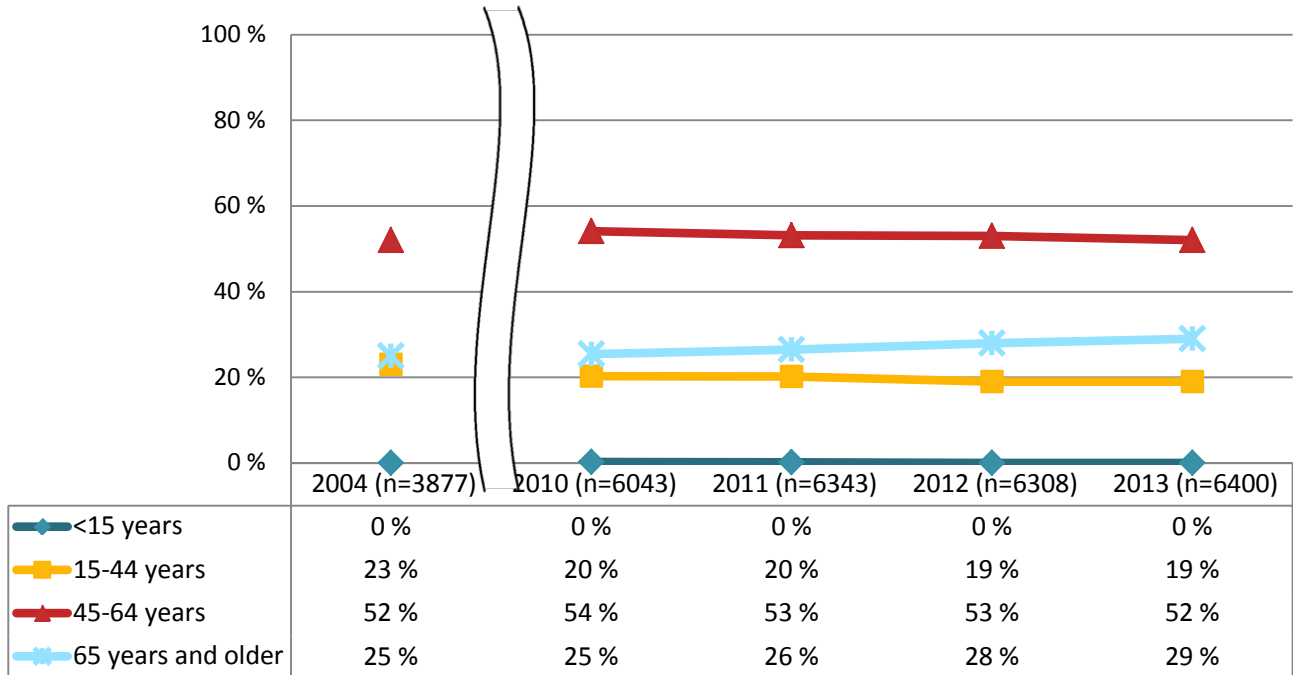### Patients in the Diabetes Register

	2004	2010	2011	2012	2013
Charts audited	3877	6043	6343	6308	6400
Total active on register	4986	7140	7209	7731	7873

Diabetes Audit Results, Portland Area, 2004-2013

Gender of Patients with Diabetes

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Female	54 %	54 %	54 %	53 %	54 %
Male	46 %	46 %	46 %	47 %	46 %

Age of Patients with Diabetes

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
<15 years	0 %	0 %	0 %	0 %	0 %
15-44 years	23 %	20 %	20 %	19 %	19 %
45-64 years	52 %	54 %	53 %	53 %	52 %
65 years and older	25 %	25 %	26 %	28 %	29 %

Diabetes Type

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Type 2	98 %	98 %	98 %	98 %	98 %
Type 1	2 %	2 %	2 %	2 %	2 %

Duration of Diabetes

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Diagnosis date not recorded	15 %	10 %	10 %	10 %	10 %
10 years or more	25 %	34 %	35 %	38 %	38 %
5 to <10 years	25 %	25 %	24 %	23 %	24 %
Less than 5 years	35 %	32 %	31 %	29 %	28 %
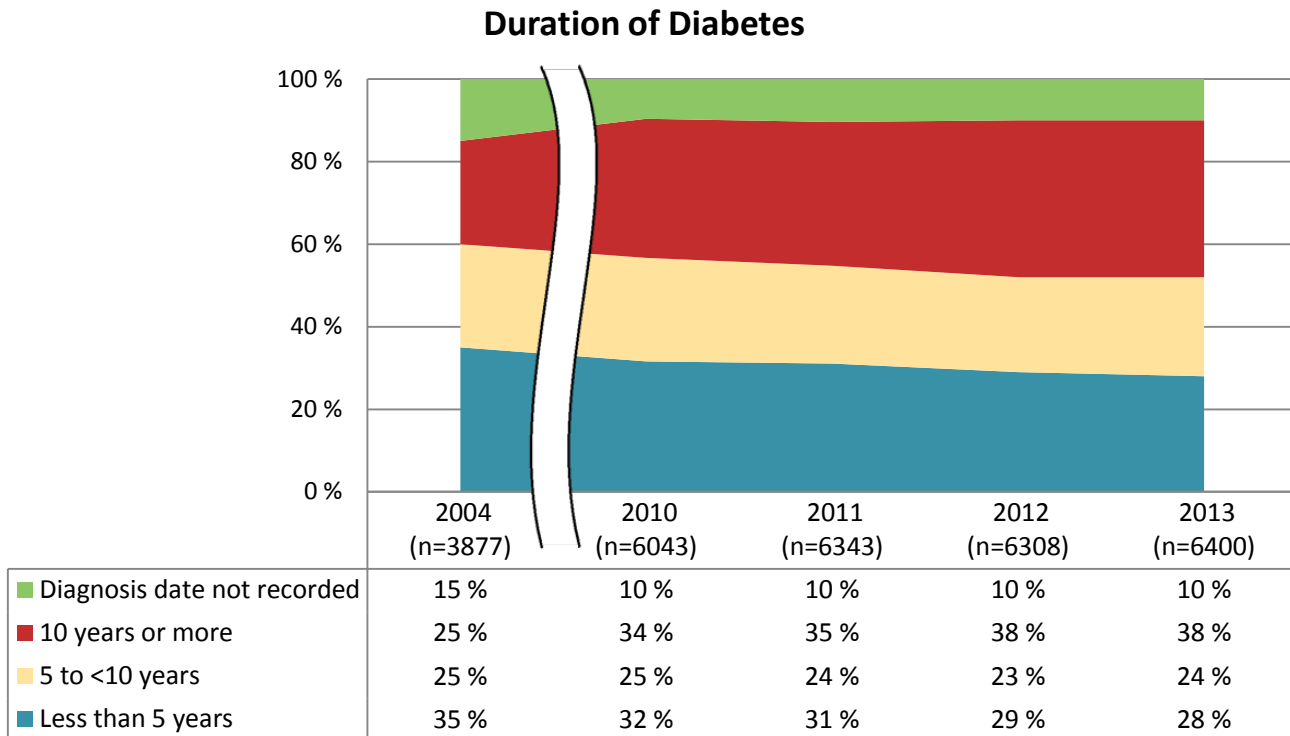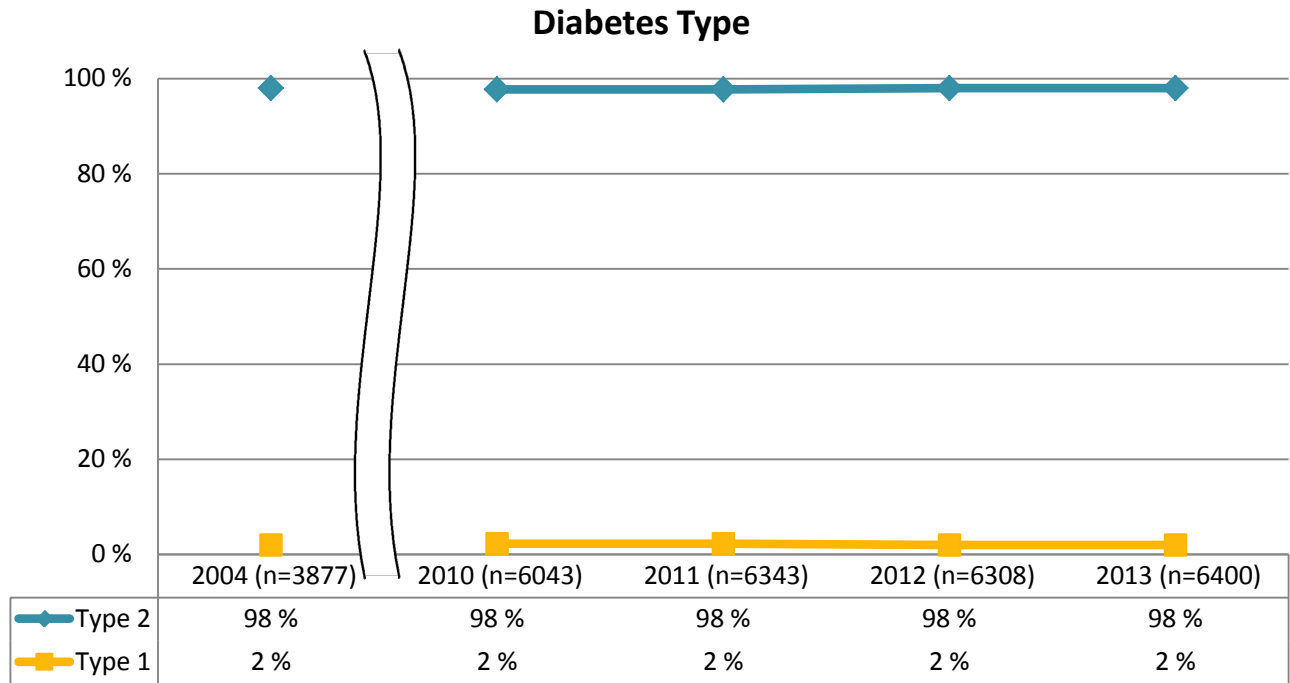
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Weight Control
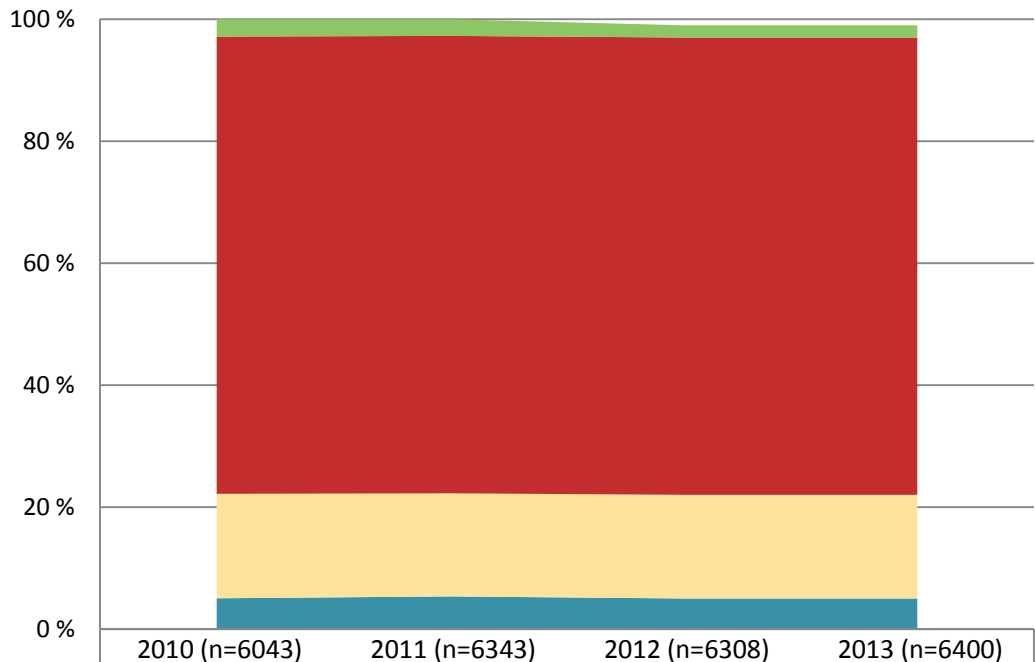
	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
■ Height or weight missing	3 %	3 %	2 %	2 %
■ Obese (BMI 30.0 or above)	75 %	75 %	75 %	75 %
■ Overweight (BMI 25.0-25.9)	17 %	17 %	17 %	17 %
■ Normal (BMI < 25.0)	5 %	5 %	5 %	5 %
Overweight or obese (BMI 25 or above)	92 %	92 %		

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
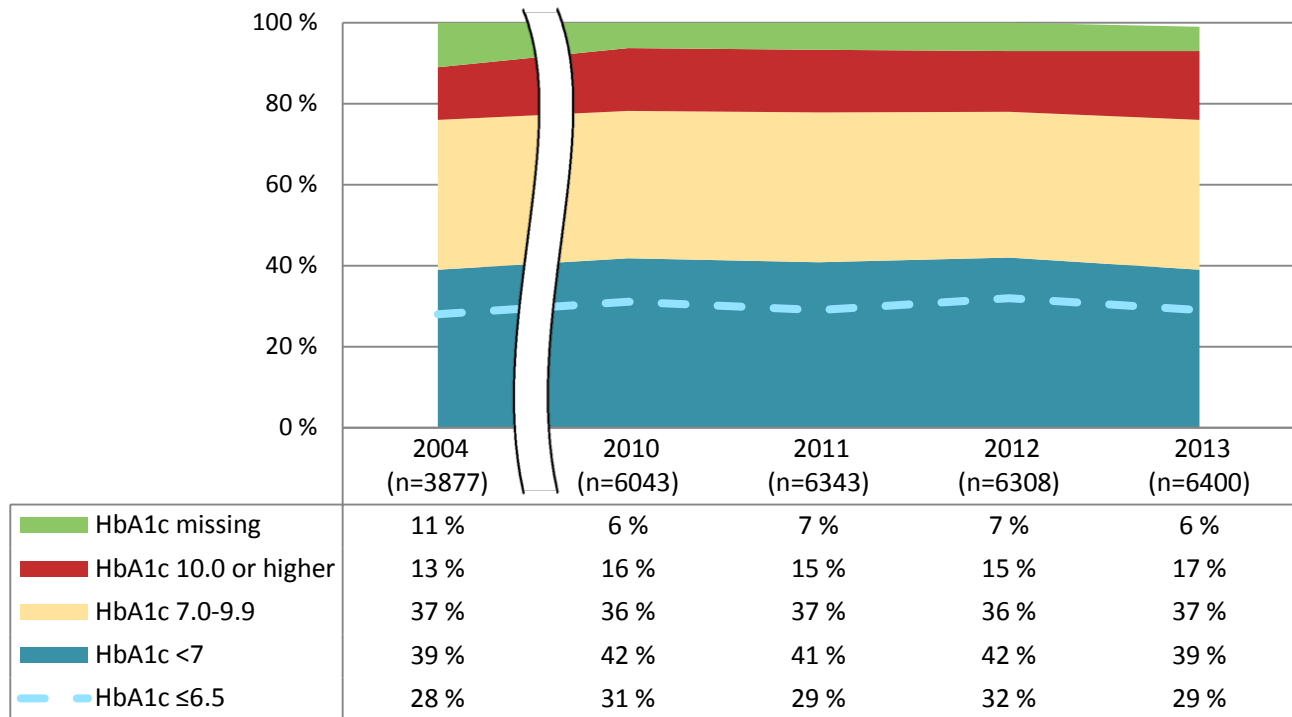
BMI = weight (lbs) ÷ height (inches) ÷ height (inches) × 703

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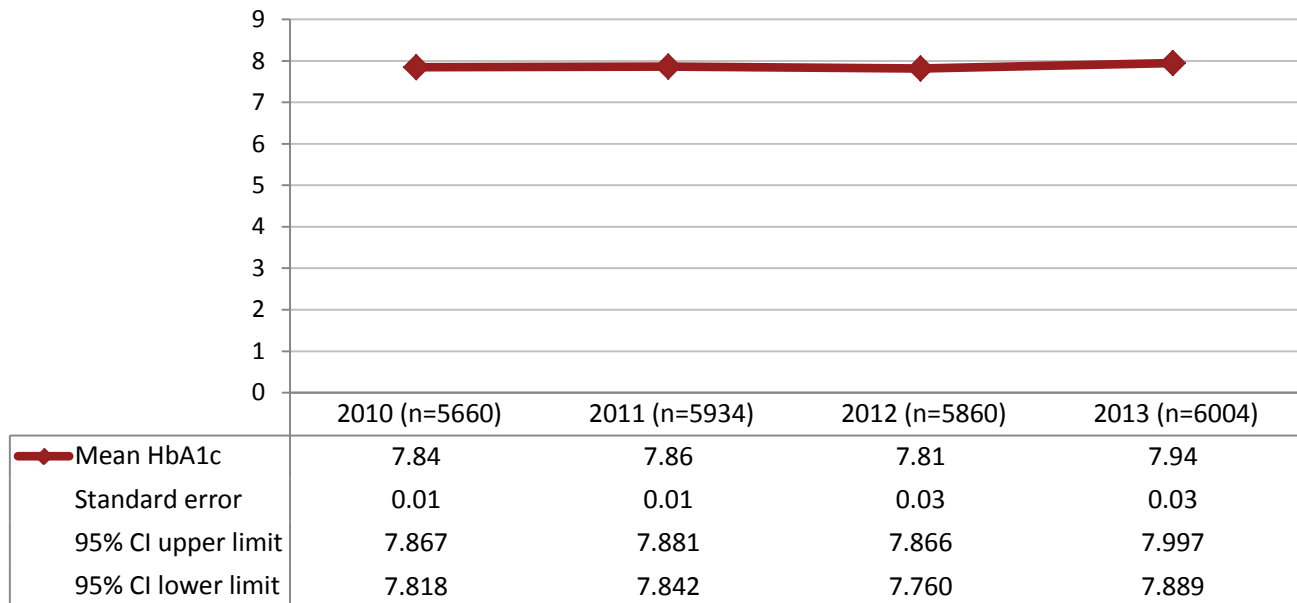
The bars in the graph reflect current cutoffs, which are the same for men and women. Overweight is defined as a BMI of 25 or higher and obesity is 30 or higher. Using these standards, more patients are considered overweight than with the older standards.

# Diabetes Audit Results, Portland Area, 2004-2013

Hemoglobin A1c

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
HbA1c missing	11 %	6 %	7 %	7 %	6 %
HbA1c 10.0 or higher	13 %	16 %	15 %	15 %	17 %
HbA1c 7.0-9.9	37 %	36 %	37 %	36 %	37 %
HbA1c <7	39 %	42 %	41 %	42 %	39 %
HbA1c ≤6.5	28 %	31 %	29 %	32 %	29 %

Average Hemoglobin A1C

	2010 (n=5660)	2011 (n=5934)	2012 (n=5860)	2013 (n=6004)
Mean HbA1c	7.84	7.86	7.81	7.94
Standard error	0.01	0.01	0.03	0.03
95% CI upper limit	7.867	7.881	7.866	7.997
95% CI lower limit	7.818	7.842	7.760	7.889

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

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 <2 measurements were taken, blood pressure control is undetermined.
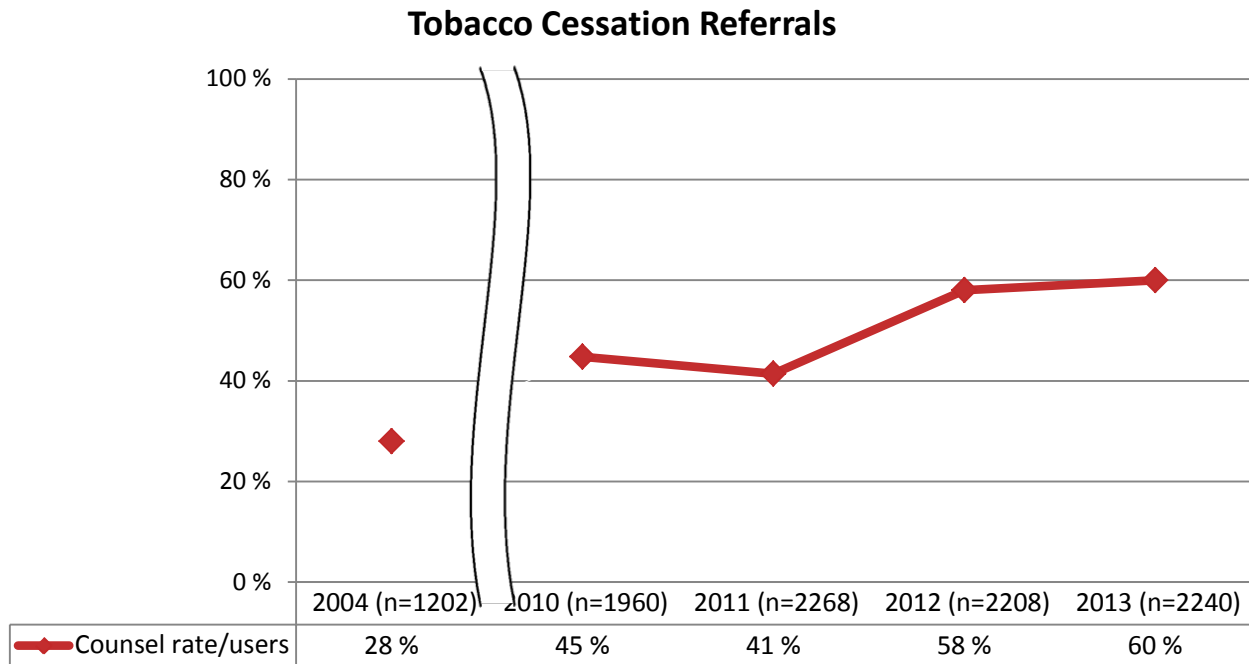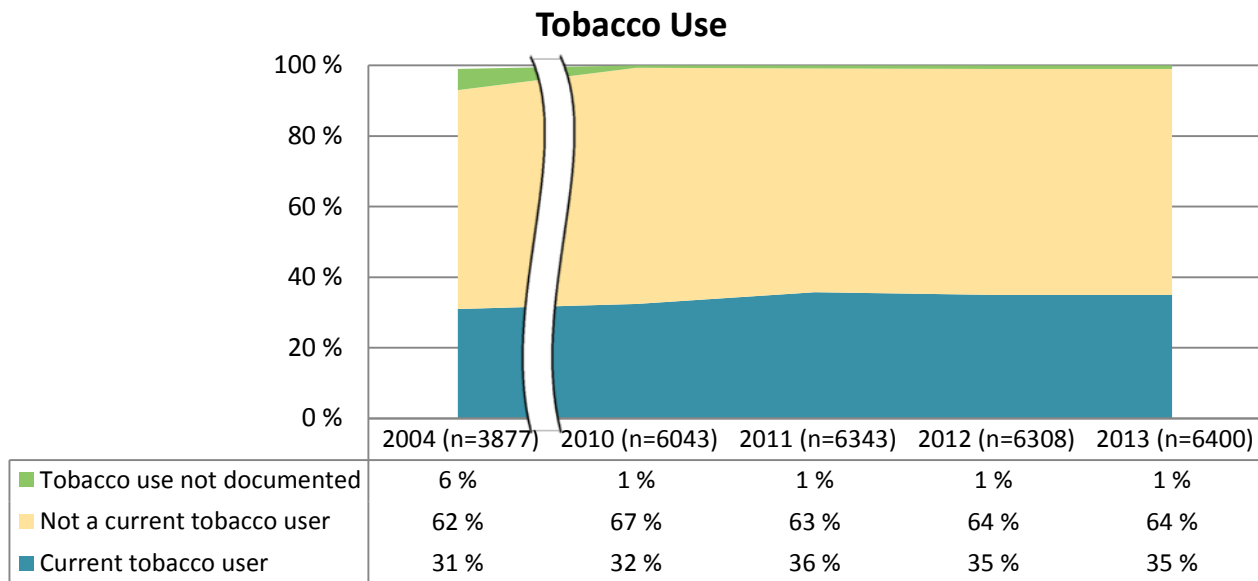
Blood Pressure
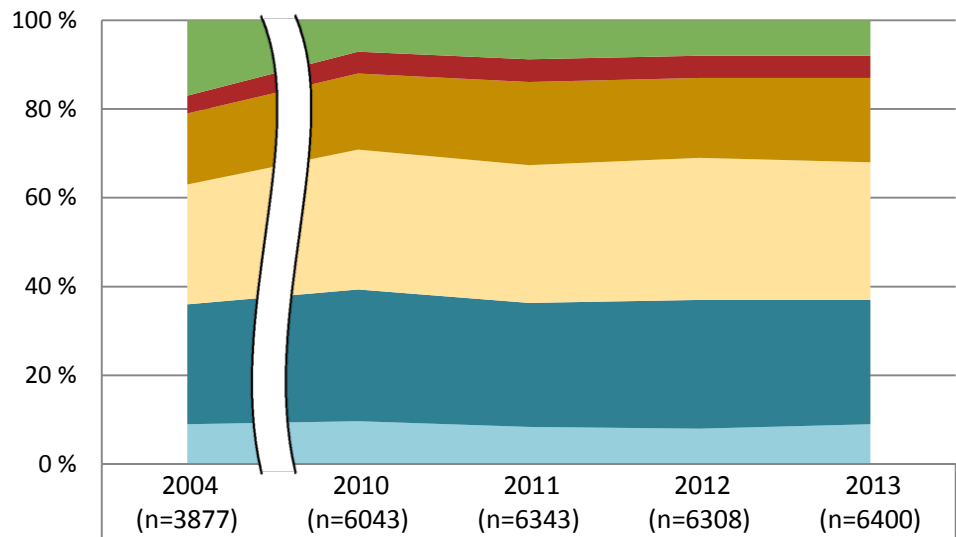
	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
BP control undetermined	17 %	7 %	9 %	8 %	9 %
Markedly poor (160/95 or higher)	4 %	5 %	5 %	5 %	5 %
Inadequate (140/90 - <160/<95)	16 %	17 %	19 %	18 %	19 %
Adequate (130/80 - <140/<90)	27 %	32 %	31 %	32 %	31 %
Target (120/70 - <130/<80)	27 %	30 %	28 %	29 %	28 %
Ideal control (<120/<70)	9 %	10 %	8 %	8 %	9 %

Average Blood Pressure
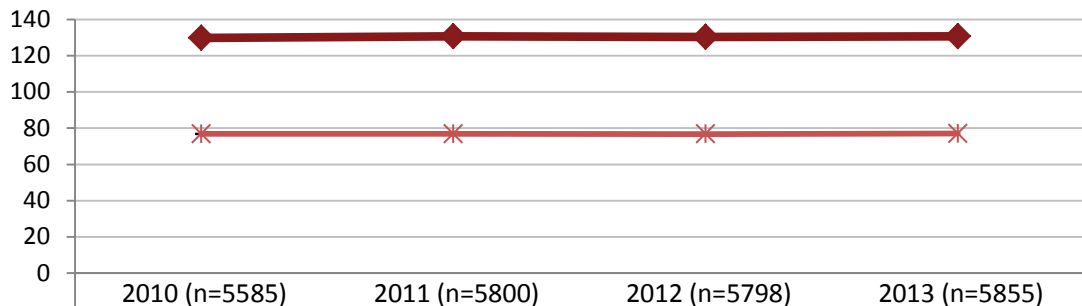
	2010 (n=5585)	2011 (n=5800)	2012 (n=5798)	2013 (n=5855)
Mean systolic BP	129.80	130.78	130.35	130.65
Standard error	0.08	0.07	0.18	0.18
95% CI upper limit	129.952	130.922	130.701	131.004
95% CI lower limit	129.644	130.646	130.003	130.294
Mean diastolic BP	76.87	76.87	76.79	76.99
Standard error	0.05	0.05	0.12	0.12
95% CI upper limit	76.975	76.960	77.031	77.230
95% CI lower limit	76.761	76.782	76.559	76.755

Diabetes Audit Results, Portland Area, 2004-2013

Tobacco Use

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
■ Tobacco use not documented	6 %	1 %	1 %	1 %	1 %
■ Not a current tobacco user	62 %	67 %	63 %	64 %	64 %
■ Current tobacco user	31 %	32 %	36 %	35 %	35 %

Tobacco Cessation Referrals

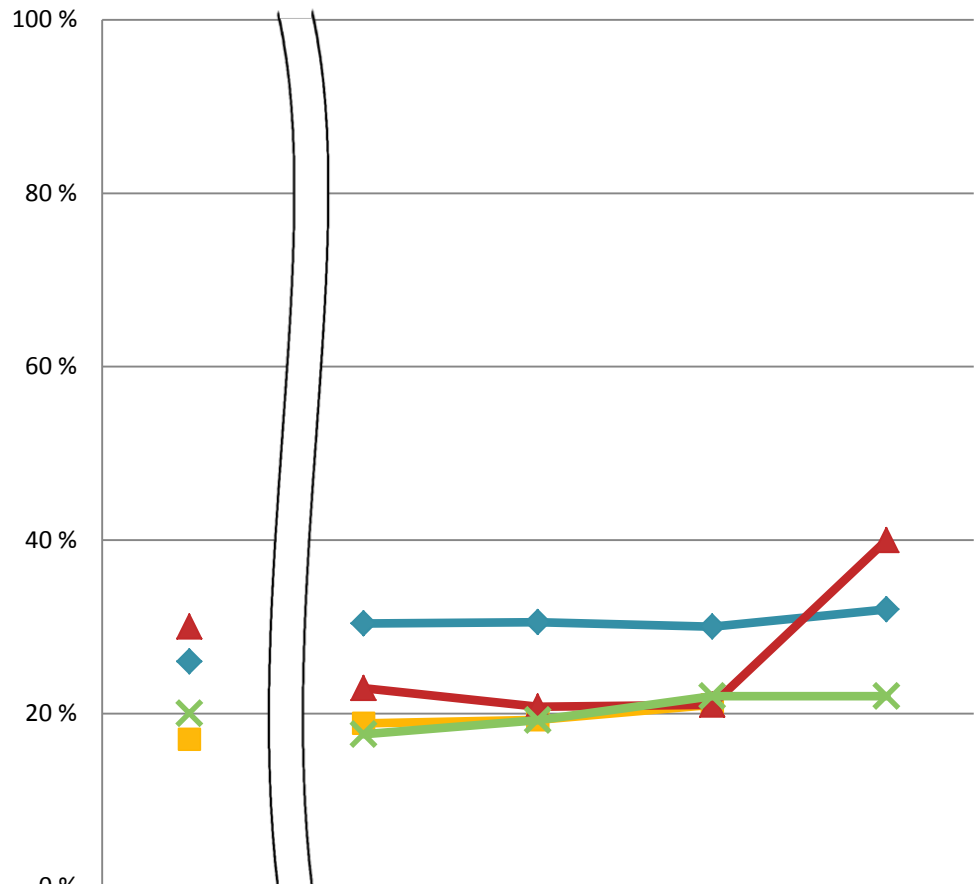|	2004 (n=1202)	2010 (n=1960)	2011 (n=2268)	2012 (n=2208)	2013 (n=2240)
◆ Counsel rate/users	28 %	45 %	41 %	58 %	60 %

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 Medications

|	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Insulin alone or in combination	26 %	30 %	31 %	30 %	32 %
Insulin with oral medications	17 %	19 %	19 %	21 %	
2 or more oral medications	30 %	23 %	21 %	21 %	40 %
Diet alone/Missing	20 %	18 %	19 %	22 %	22 %

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.
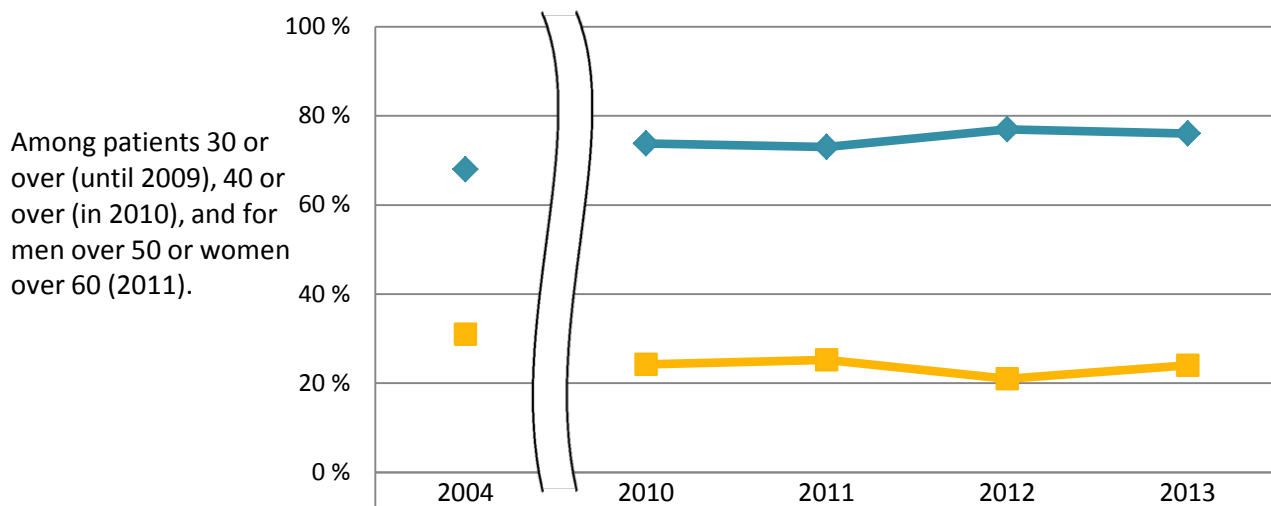
Diabetes Audit Results, Portland Area, 2004-2013

ACE Inhibitor or ARB Prescriptions
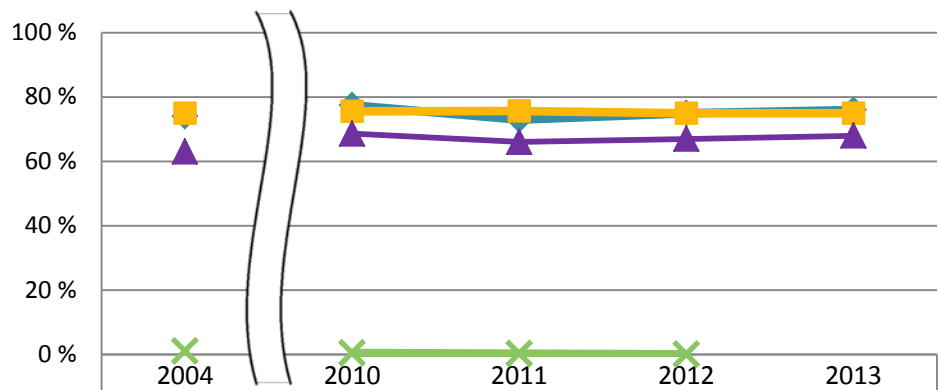
	2004	2010	2011	2012	2013
Use in patients with overt proteinuria	74 %	77 %	73 %	75 %	76 %
Use in patients with known hypertension	75 %	76 %	76 %	75 %	75 %
Use in overall patient population	63 %	69 %	66 %	67 %	68 %
ACE or ARB use unknown	1 %	0 %	0 %	0 %	

Antiplatelet Therapy

Among patients 30 or over (until 2009), 40 or over (in 2010), and for men over 50 or women over 60 (2011).

	2004	2010	2011	2012	2013
Aspirin or antiplatelet prescription	68 %	74 %	73 %	77 %	76 %
No antiplatelet prescription	31 %	24 %	25 %	21 %	24 %

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.

Annual Examinations

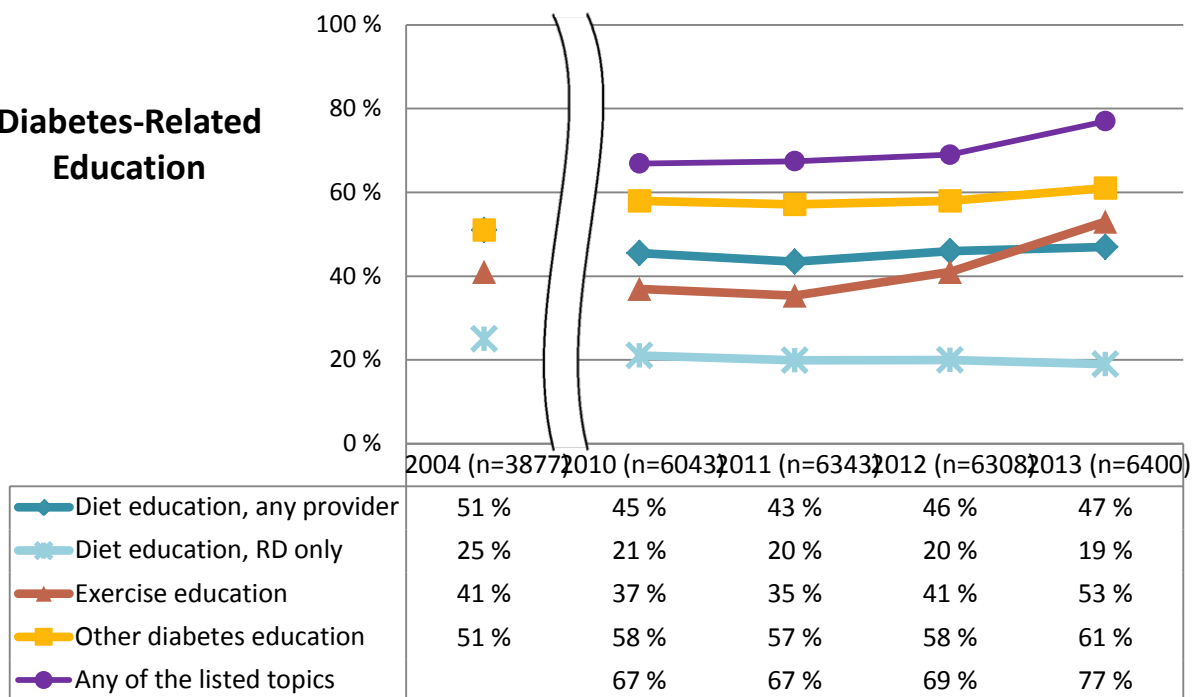|	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Foot Exam	57 %	56 %	55 %	57 %	56 %
Eye Exam	41 %	47 %	49 %	51 %	55 %
Dental Exam	44 %	44 %	46 %	48 %	47 %

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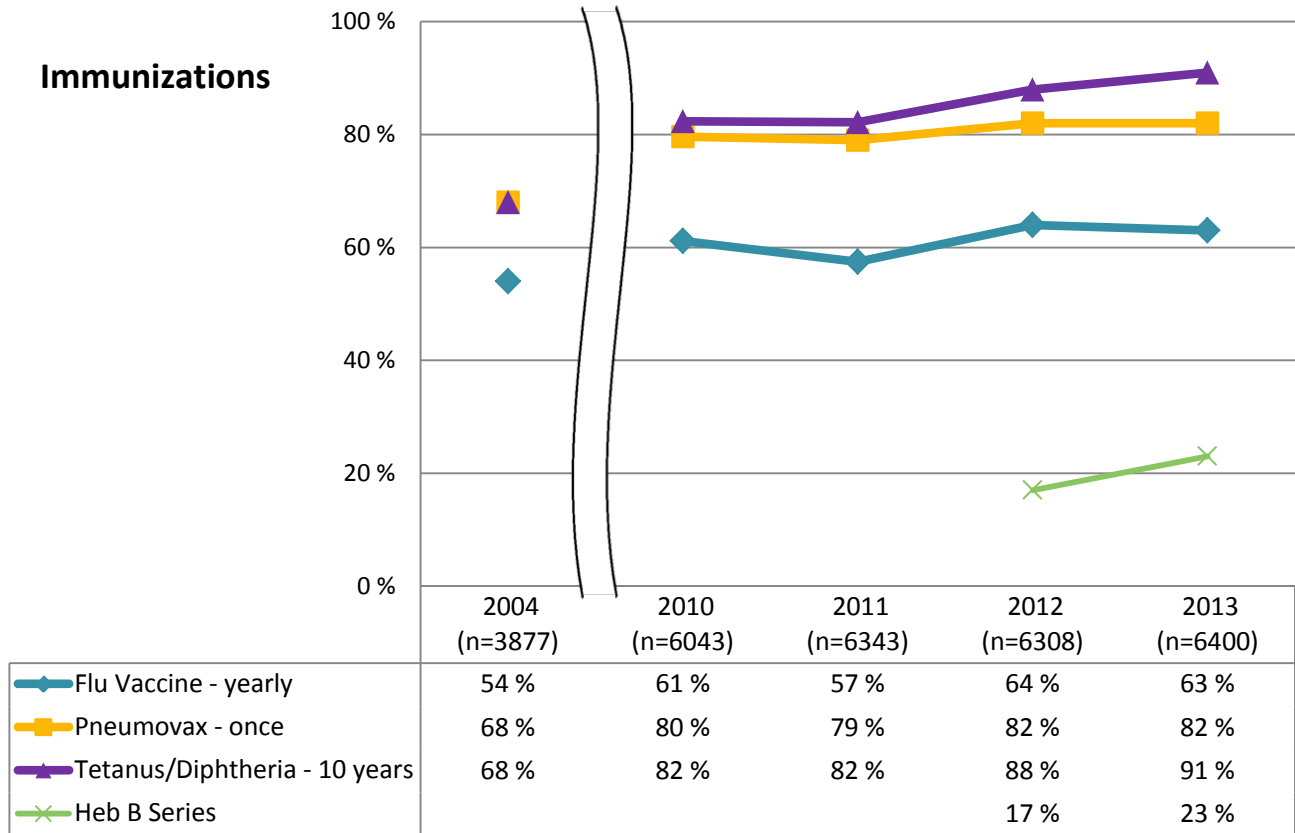
Dental Exam: The dental examination is one that includes evaluation of the teeth (if present),gingiva and mucosal surfaces.
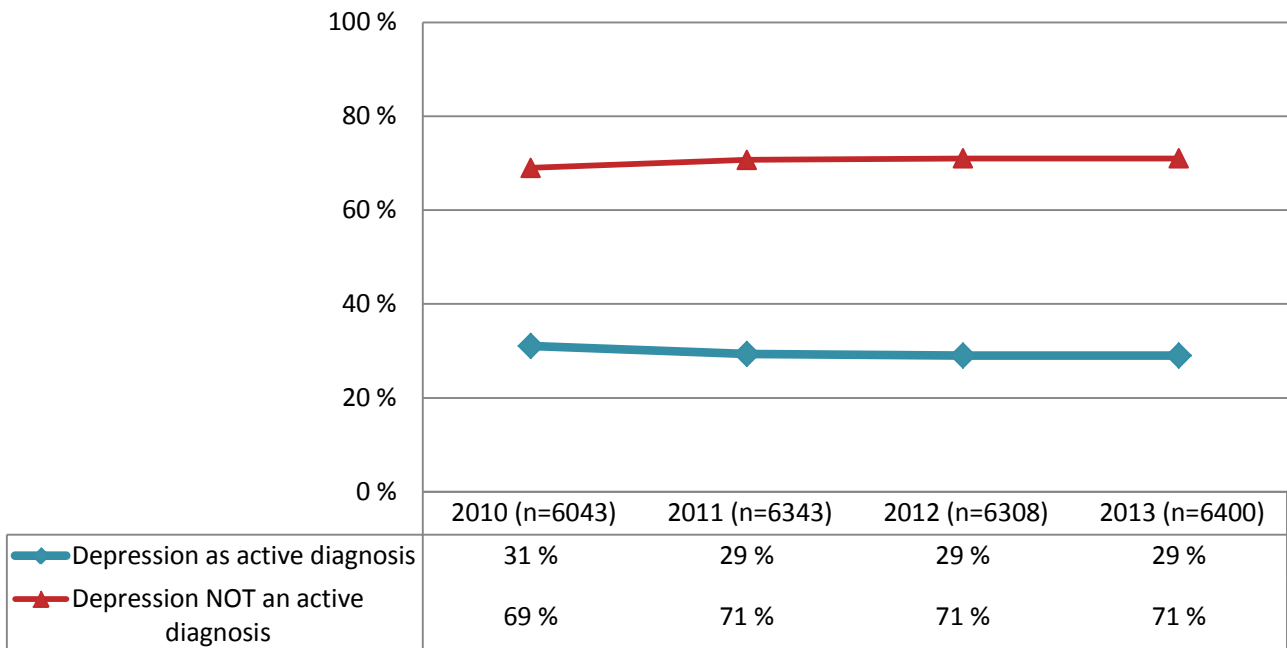
Diabetes-Related Education

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Diet education, any provider	51 %	45 %	43 %	46 %	47 %
Diet education, RD only	25 %	21 %	20 %	20 %	19 %
Exercise education	41 %	37 %	35 %	41 %	53 %
Other diabetes education	51 %	58 %	57 %	58 %	61 %
Any of the listed topics		67 %	67 %	69 %	77 %

Diabetes Audit Results, Portland Area, 2004-2013

Immunizations

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Flu Vaccine - yearly	54 %	61 %	57 %	64 %	63 %
Pneumovax - once	68 %	80 %	79 %	82 %	82 %
Tetanus/Diphtheria - 10 years	68 %	82 %	82 %	88 %	91 %
Heb B Series				17 %	23 %

Diagnosed Depression

|	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Depression as active diagnosis	31 %	29 %	29 %	29 %
Depression NOT an active diagnosis	69 %	71 %	71 %	71 %

Note: Depression and depression screening were added to the audit in 2005.

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.
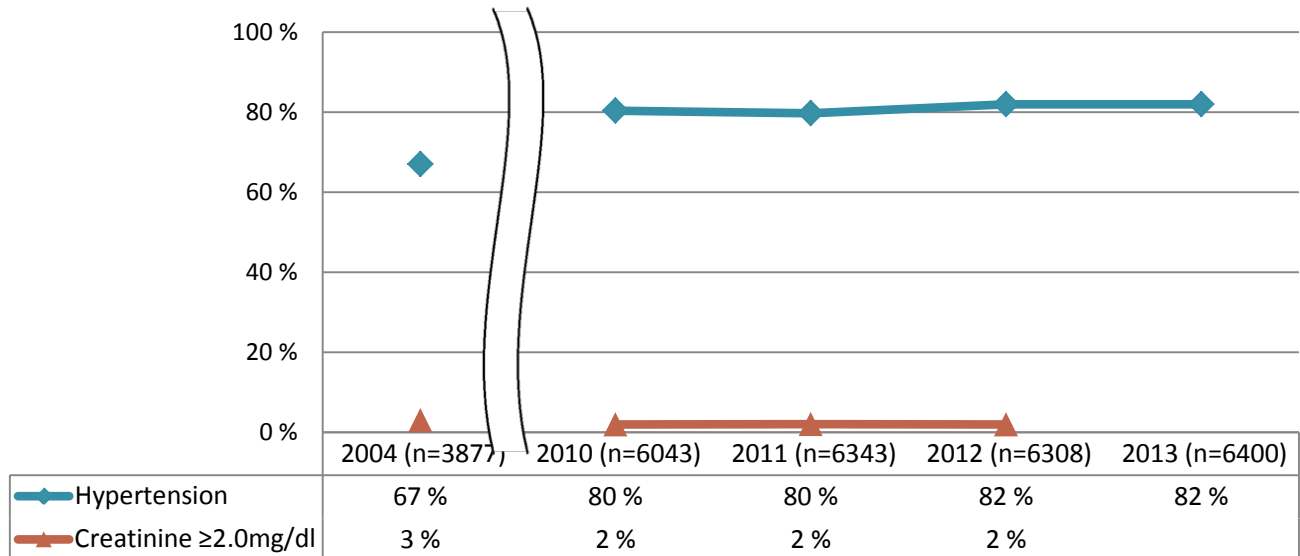
Depression Screening
among Patients without Active Depression Diagnoses

	2010 (n=4168)	2011 (n=4483)	2012 (n=4479)	2013 (n=4544)
Screening among patients WITHOUT active diagnosis of depression	57 %	61 %	69 %	73 %
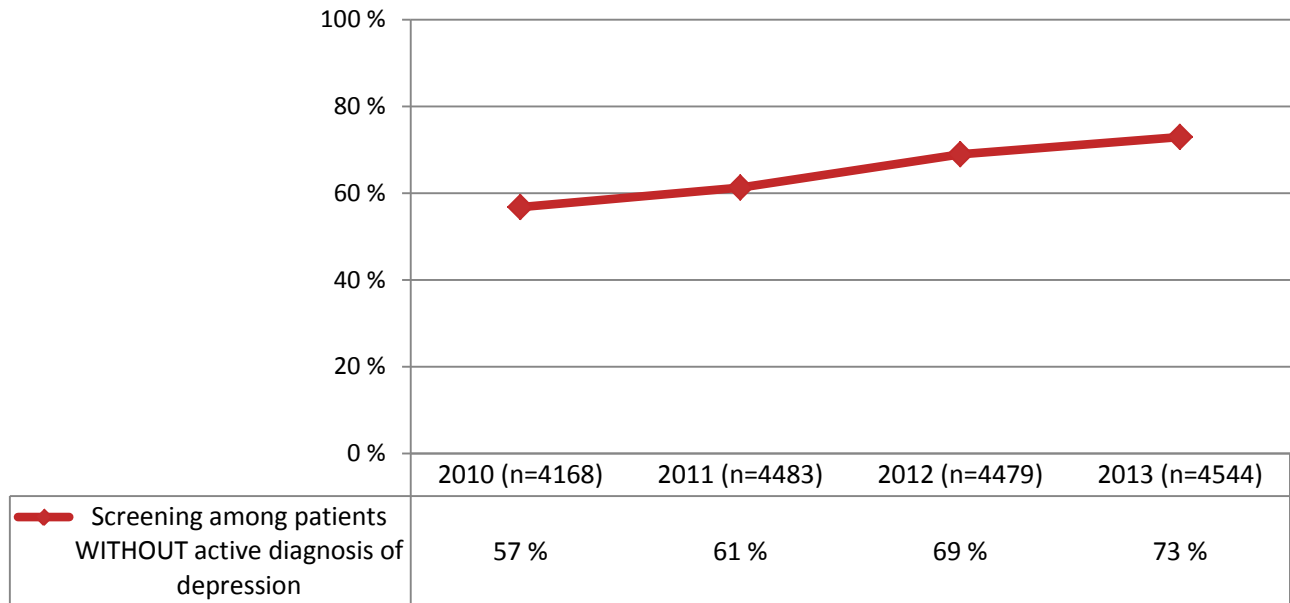
Note: Depression and depression screening were added to the audit in FY2005.

Patients with Hypertension or
Elevated Blood Creatinine

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Hypertension	67 %	80 %	80 %	82 %	82 %
Creatinine ≥2.0mg/dl	3 %	2 %	2 %	2 %	

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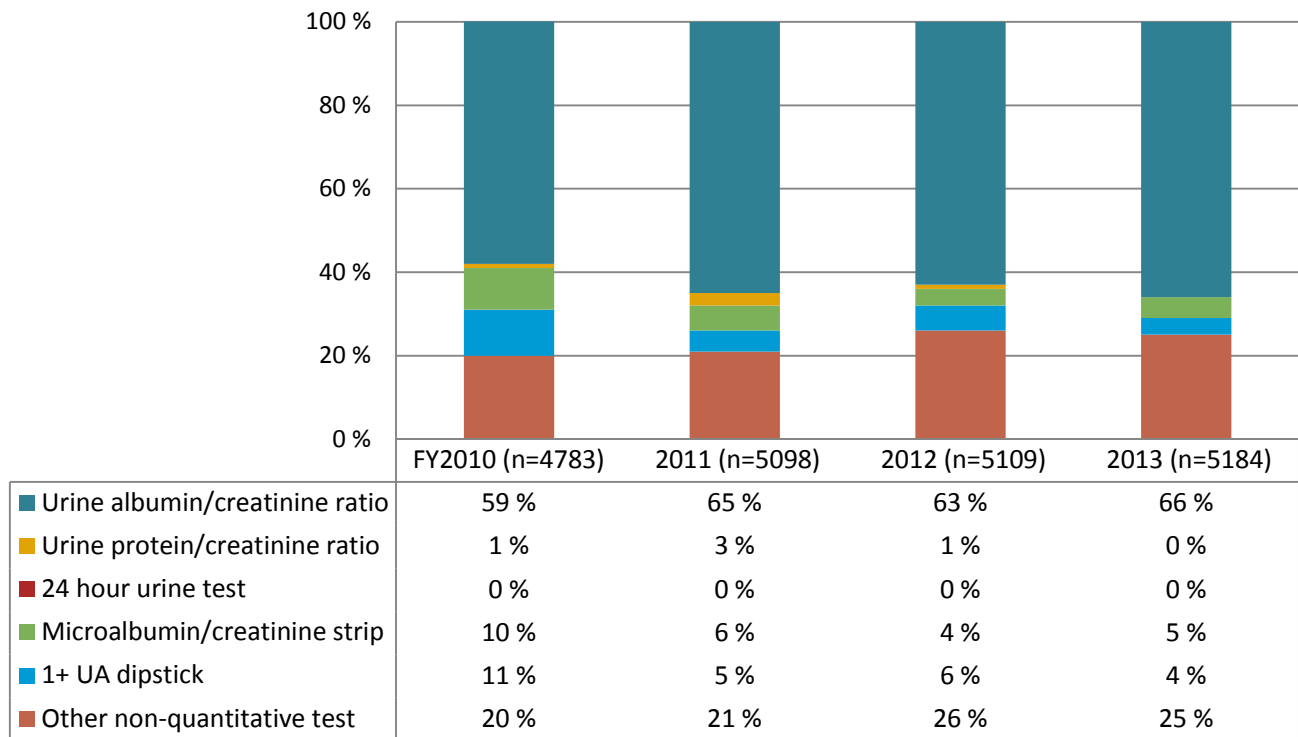
Renal Function Testing

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Urinalysis	75 %	79 %	80 %	81 %	81 %
Estimated GFR		82 %	83 %	85 %	88 %
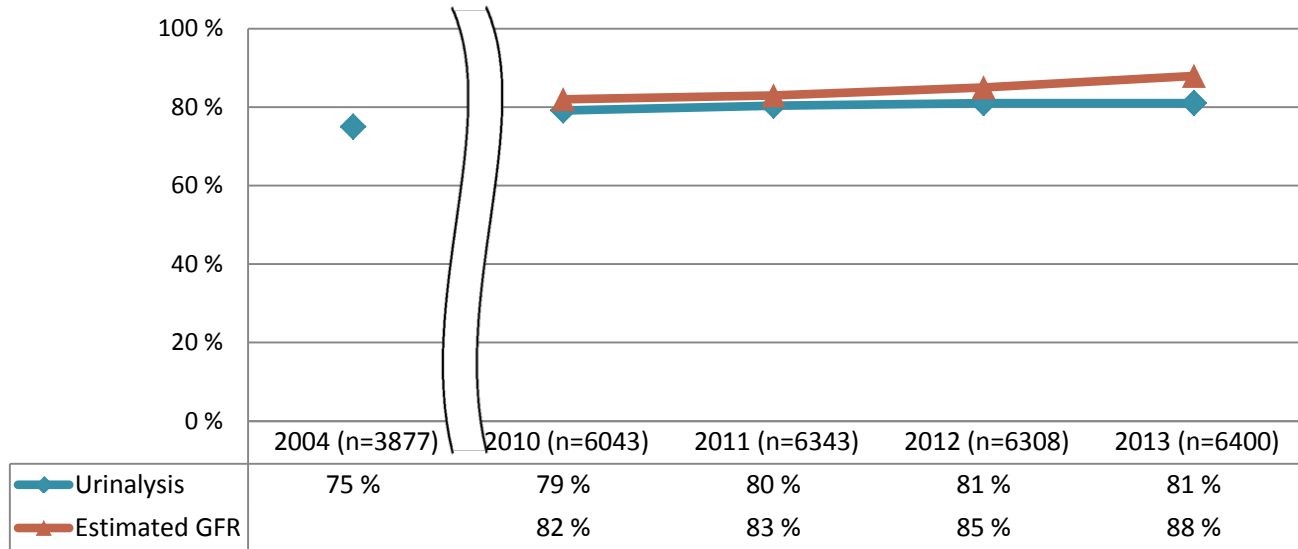
Urinalysis results for 2008 exclude non-quantitative tests (e.g., dipstick) so cannot be compared to other years' data. 2009 data were also collected using different definitions than before. Estimated GFR was added in 2008.

Type of Urine Protein Testing

	FY2010 (n=4783)	2011 (n=5098)	2012 (n=5109)	2013 (n=5184)
Urine albumin/creatinine ratio	59 %	65 %	63 %	66 %
Urine protein/creatinine ratio	1 %	3 %	1 %	0 %
24 hour urine test	0 %	0 %	0 %	0 %
Microalbumin/creatinine strip	10 %	6 %	4 %	5 %
1+ UA dipstick	11 %	5 %	6 %	4 %
Other non-quantitative test	20 %	21 %	26 %	25 %

A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.
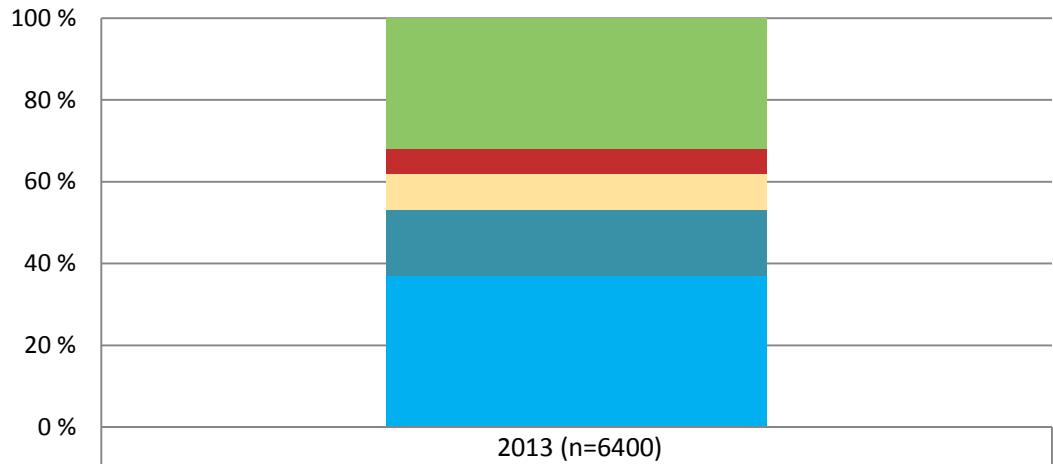
Cholesterol
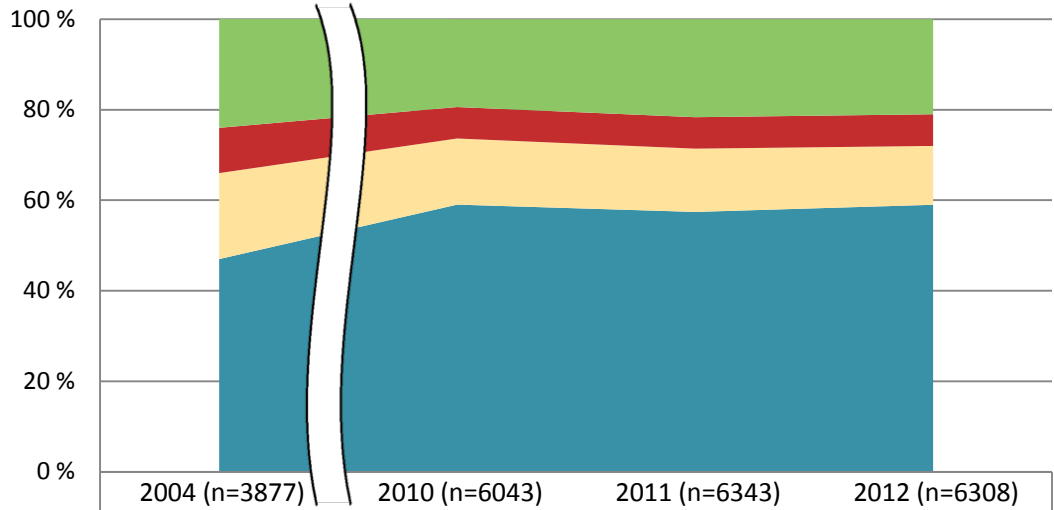
	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)
■ Not tested	25 %	19 %	22 %	21 %
■ High (240 mg/dl or more)	10 %	7 %	7 %	7 %
■ Borderline (200-239 g/dl)	19 %	15 %	14 %	13 %
■ Desirable (<200 mg/dl)	47 %	59 %	57 %	59 %

non-HDL Cholesterol

|	2013 (n=6400)
■ Non-HDL no test or result	32 %
■ Non-HDL >190	6 %
■ Non-HDL 160-190	9 %
■ Non-HDL 130-159	16 %
■ Non-HDL <130	37 %

Diabetes Audit Results, Portland Area, 2004-2013

Low-Density Lipoprotein (LDL) Cholesterol
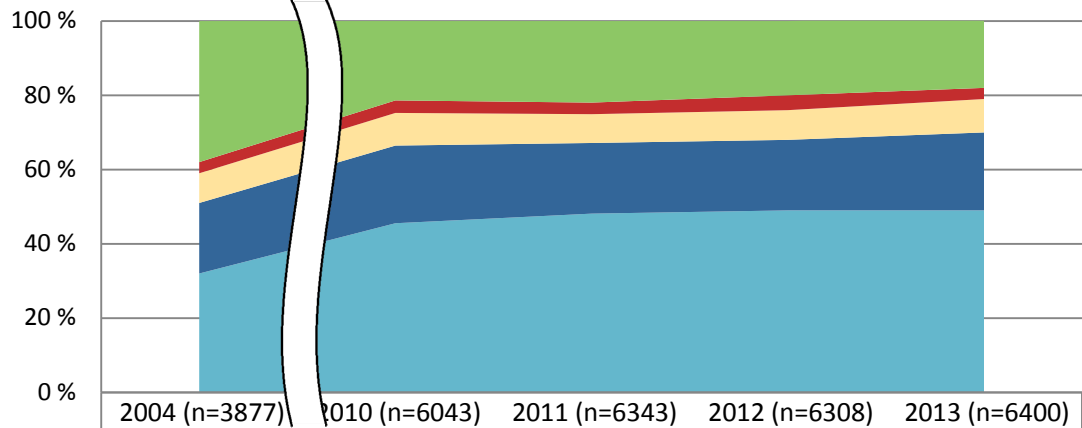
	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Not tested	38 %	21 %	22 %	20 %	19 %
LDL >160	3 %	3 %	3 %	4 %	3 %
LDL 130-160 mg/dl	8 %	9 %	8 %	8 %	9 %
LDL 100-129 mg/dl	19 %	21 %	19 %	19 %	21 %
Desirable (<100 mg/dl)	32 %	46 %	48 %	49 %	49 %

Average LDL Cholesterol
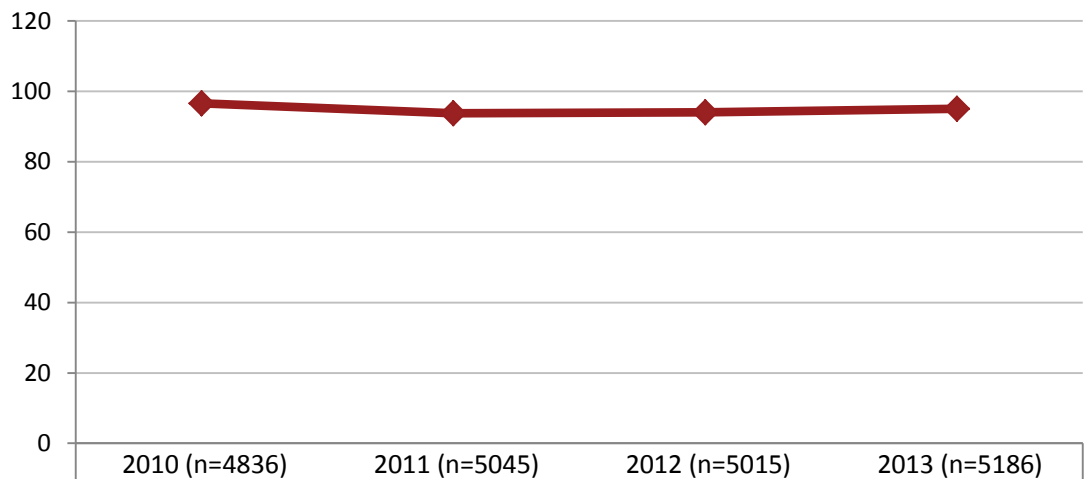
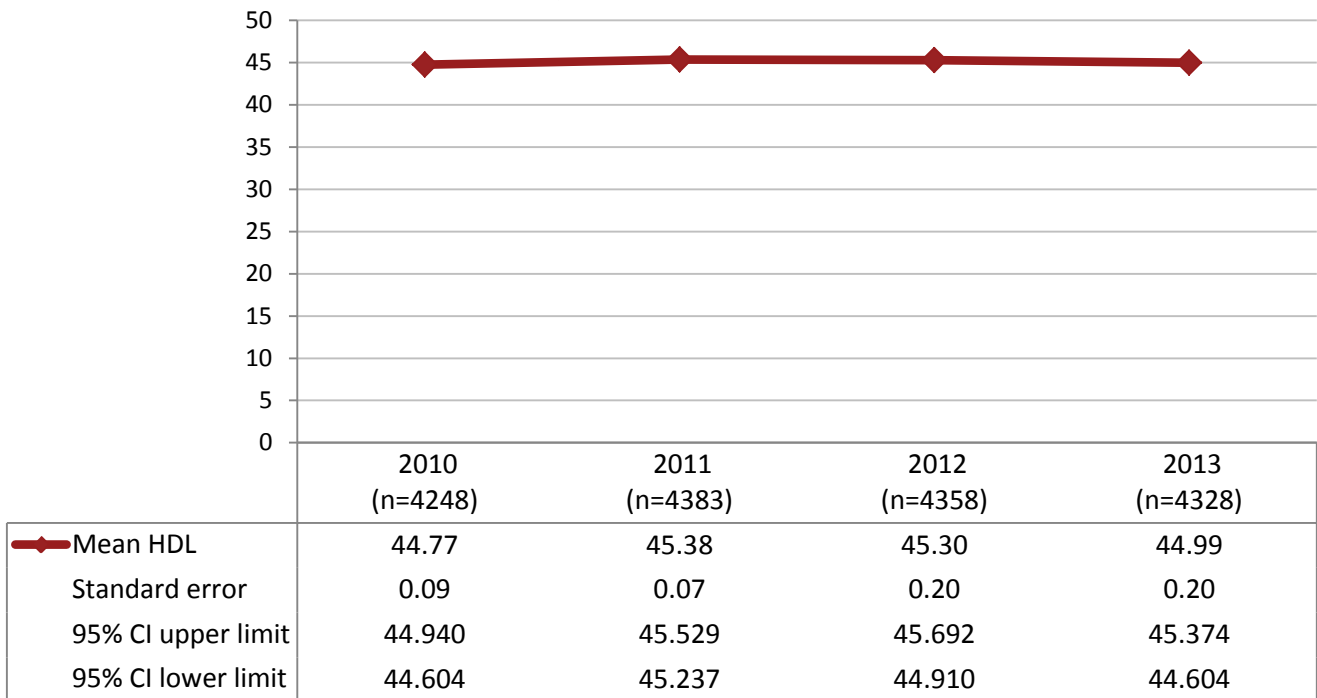|	2010 (n=4836)	2011 (n=5045)	2012 (n=5015)	2013 (n=5186)
Mean LDL	96.64	93.78	94.05	95.04
Standard error	0.21	0.17	0.49	0.47
95% CI upper limit	97.053	94.112	95.004	95.955
95% CI lower limit	96.227	93.441	93.100	94.126

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

High-Density Lipoprotein (HDL) Cholesterol

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)
■ Not tested	34 %	29 %	31 %	31 %
■ HDL <35 mg/dl	14 %	14 %	13 %	13 %
■ HDL 35-45 mg/dl	24 %	28 %	27 %	27 %
■ HDL 46-55 mg/dl	16 %	18 %	17 %	17 %
■ HDL >55	12 %	12 %	12 %	12 %
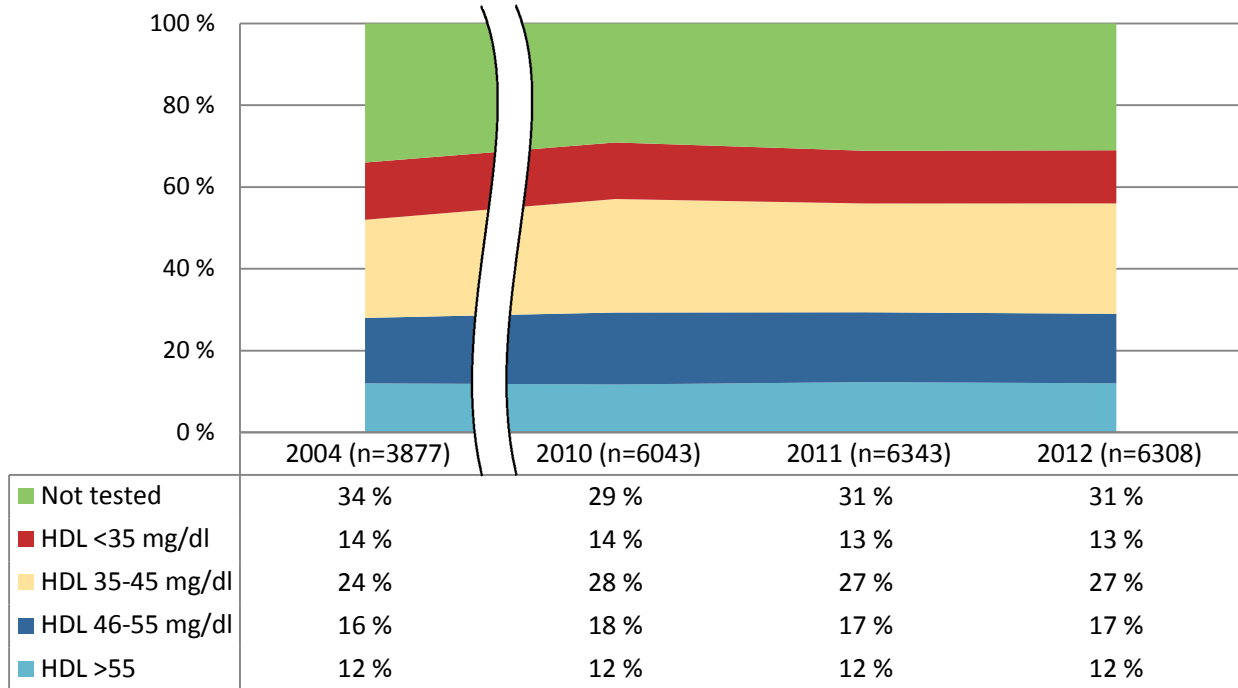
Average HDL Cholesterol

	2010 (n=4248)	2011 (n=4383)	2012 (n=4358)	2013 (n=4328)
◆ Mean HDL	44.77	45.38	45.30	44.99
Standard error	0.09	0.07	0.20	0.20
95% CI upper limit	44.940	45.529	45.692	45.374
95% CI lower limit	44.604	45.237	44.910	44.604

Diabetes Audit Results, Portland Area, 2004-2013

Triglycerides

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
Not tested	34 %	23 %	26 %	27 %	27 %
TG ≤400 mg/dl	58 %	70 %	68 %	66 %	67 %
TG >400 mg/dl	7 %	7 %	6 %	6 %	6 %
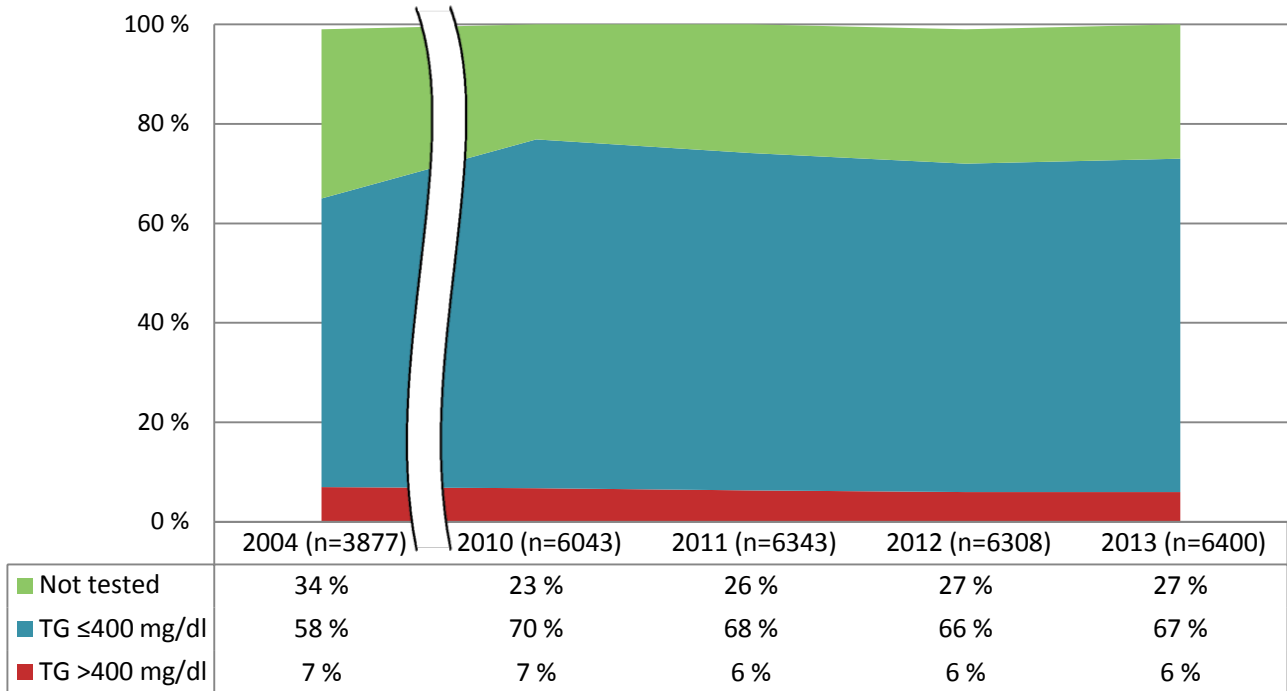
Average Triglyceride Levels
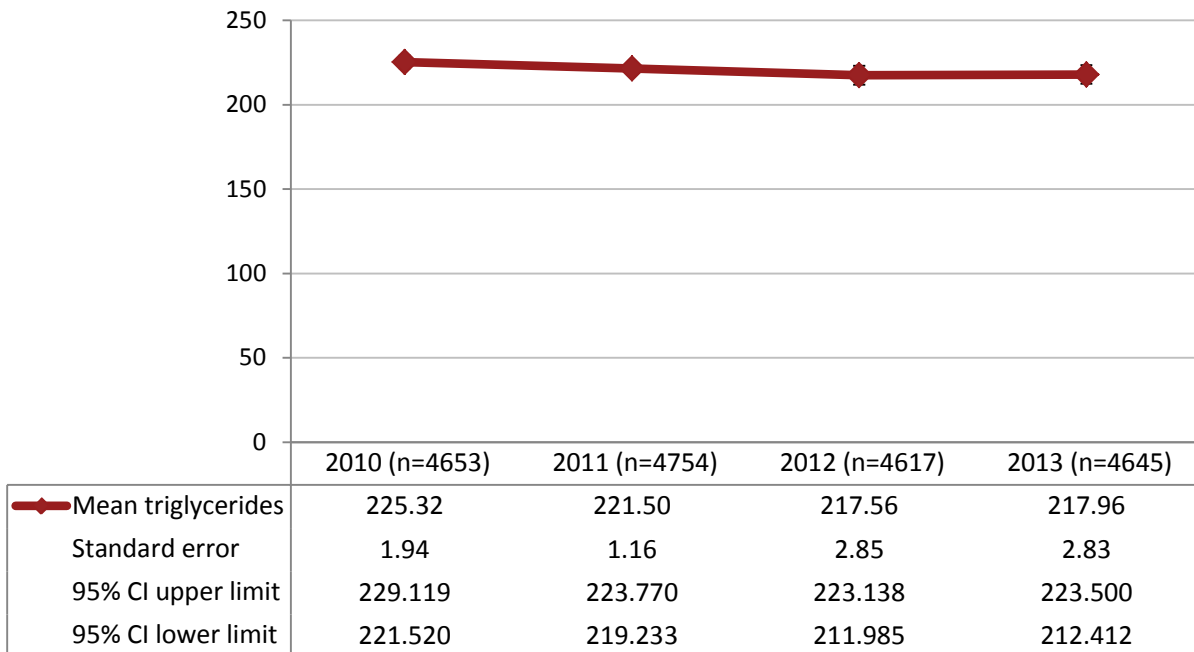
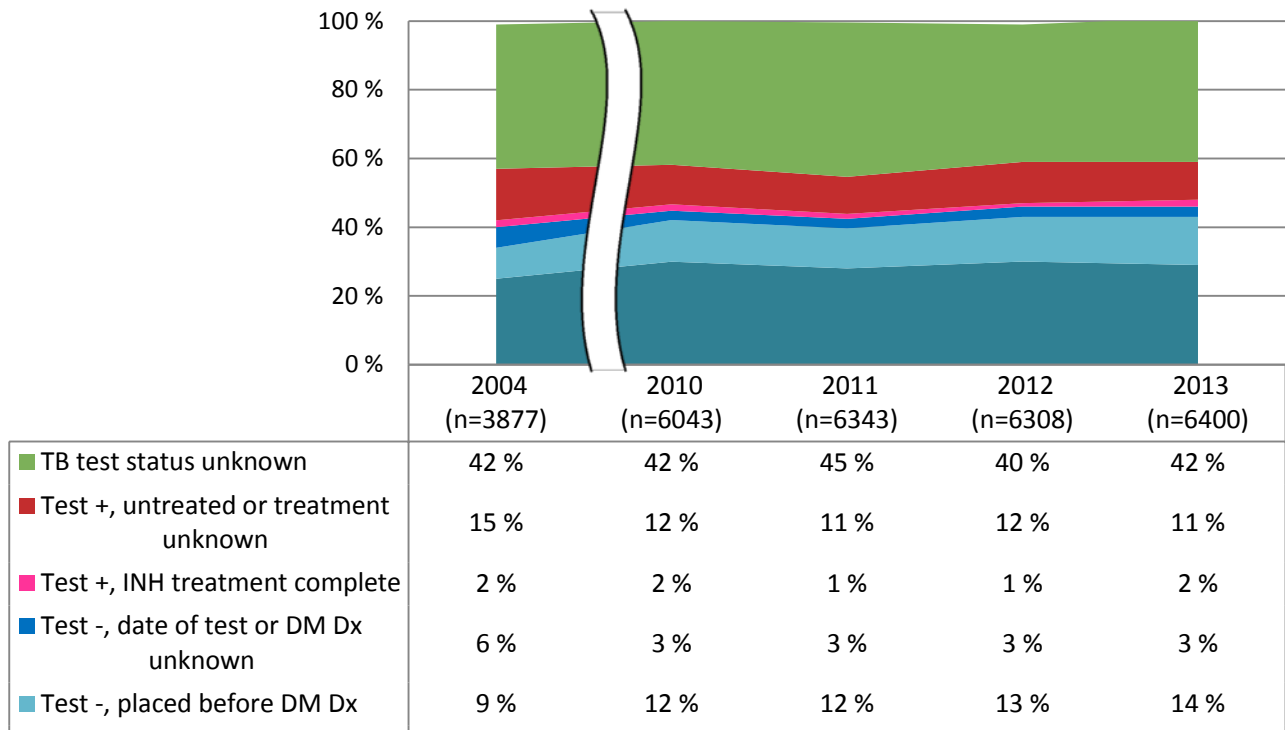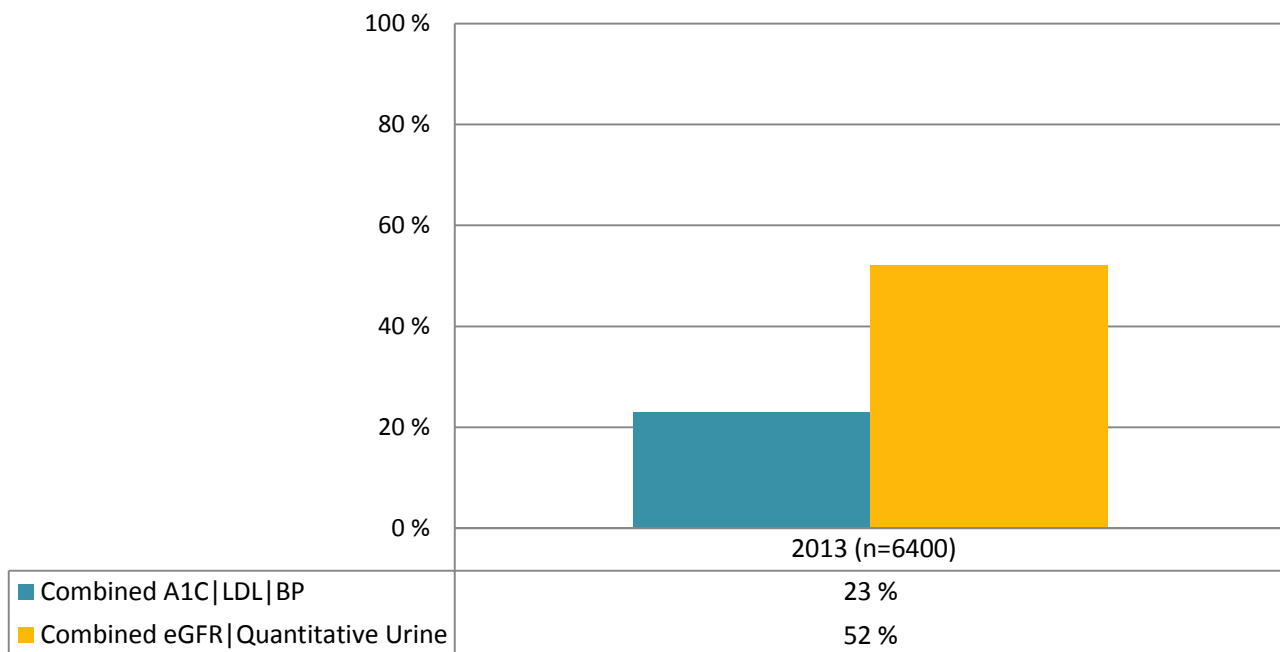|	2010 (n=4653)	2011 (n=4754)	2012 (n=4617)	2013 (n=4645)
Mean triglycerides	225.32	221.50	217.56	217.96
Standard error	1.94	1.16	2.85	2.83
95% CI upper limit	229.119	223.770	223.138	223.500
95% CI lower limit	221.520	219.233	211.985	212.412

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

Tuberculosis or PPD History

	2004 (n=3877)	2010 (n=6043)	2011 (n=6343)	2012 (n=6308)	2013 (n=6400)
■ TB test status unknown	42 %	42 %	45 %	40 %	42 %
■ Test +, untreated or treatment unknown	15 %	12 %	11 %	12 %	11 %
■ Test +, INH treatment complete	2 %	2 %	1 %	1 %	2 %
■ Test -, date of test or DM Dx unknown	6 %	3 %	3 %	3 %	3 %
■ Test -, placed before DM Dx	9 %	12 %	12 %	13 %	14 %

Pilot Elements: Combined Outcome Measures

	2013 (n=6400)
■ Combined A1C|LDL|BP	23 %
■ Combined eGFR|Quantitative Urine	52 %

For the first measure, the following criteria have been met: Hemoglobin A1c < 8.0, LDL < 100, BP <140/<90.
For the second measure, these are records with both an eGFR and a quantitative urine protein test.

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012

This information is for the following groups:

Portland Area (n=6400 patients)

6400 sampled from 7873 active patients with diabetes (81%)
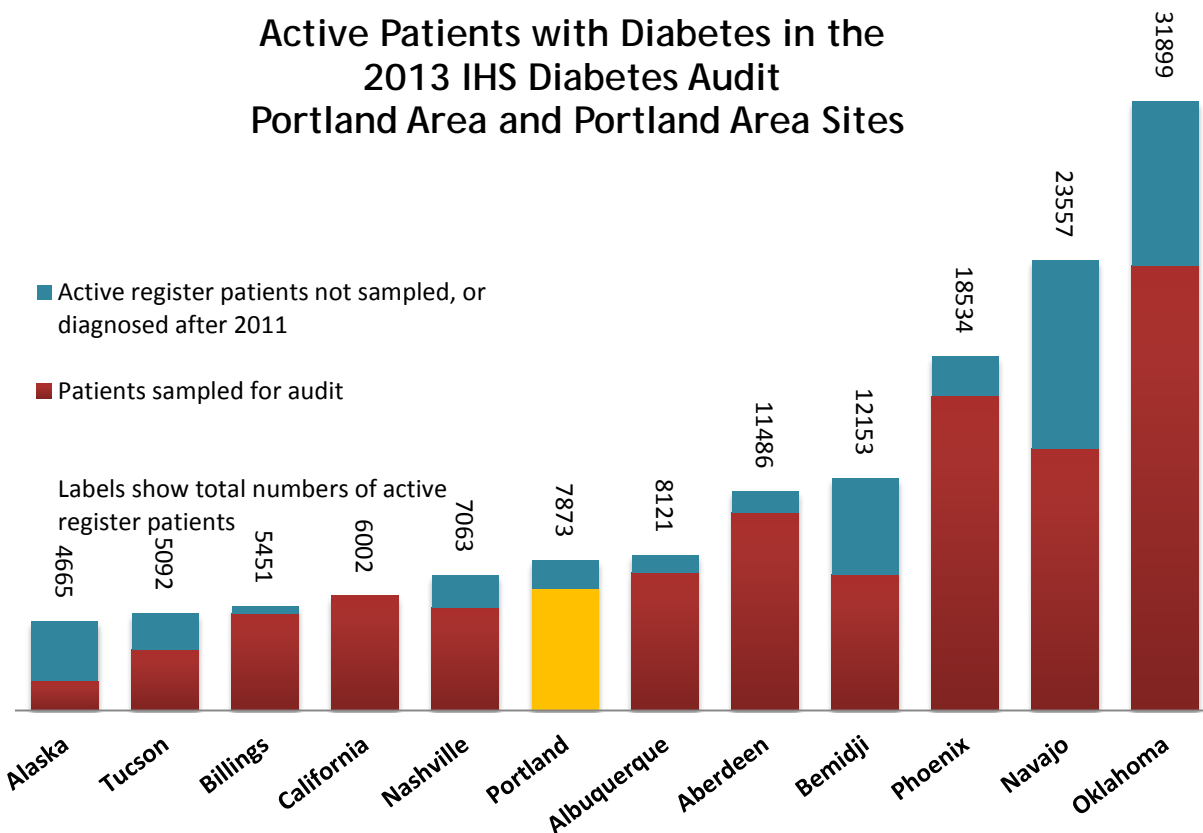
All IHS (n=105626 patients)

105626 sampled from 141896 active patients with diabetes (74%)

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

Who is this report about?

Patients identified by local Diabetes Program staff as having **type 1 or type 2** diabetes and part of the **active** patient load, with **at least one primary care visit** in the calendar year. Only **American Indian and Alaska Native** patients are included in the audit.

Active Patients with Diabetes in the 2013 IHS Diabetes Audit Portland Area and Portland Area Sites

■ Active register patients not sampled, or diagnosed after 2011

■ Patients sampled for audit

Labels show total numbers of active register patients

Site	Total
Alaska	4665
Tucson	5092
Billings	5451
California	6002
Nashville	7063
Portland	7873
Albuquerque	8121
Aberdeen	11486
Bemidji	12153
Phoenix	18534
Navajo	23557
Oklahoma	31899

*The chart audit performed in 2013 covers services delivered in 2012

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012
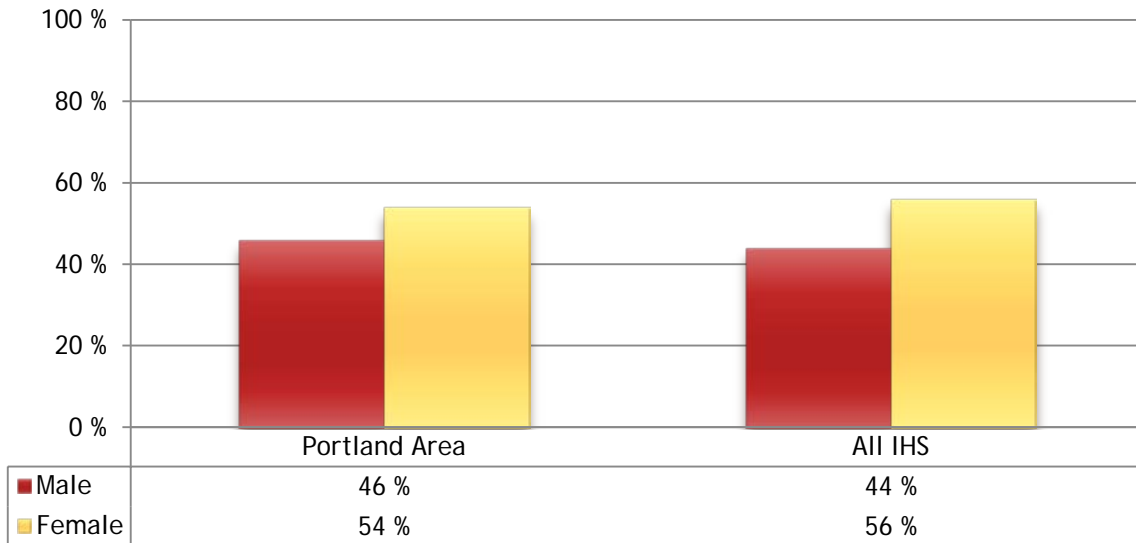
This information is for the following groups:

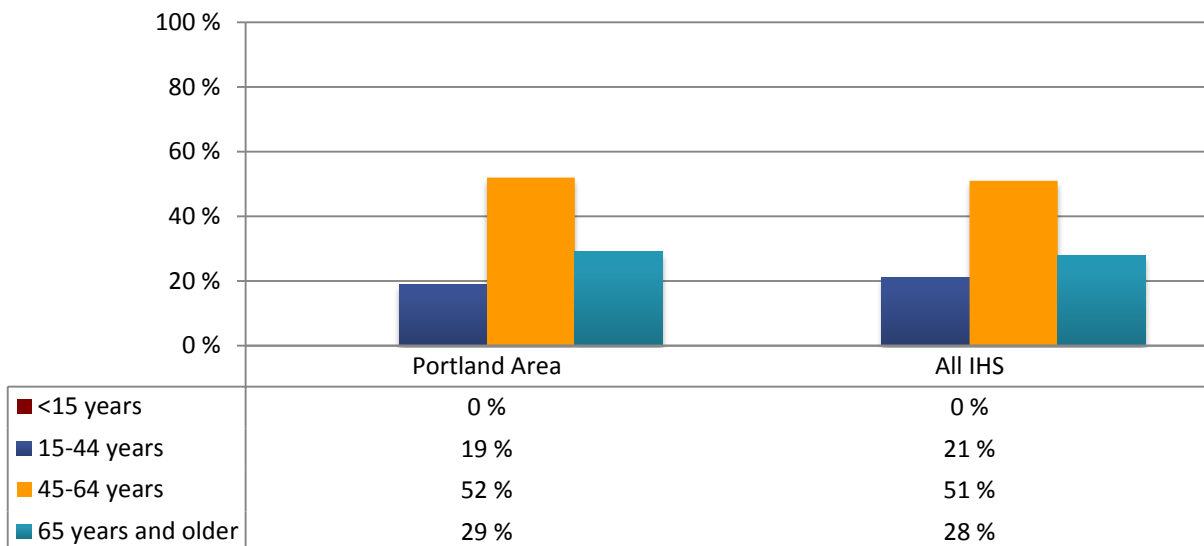| Portland Area (n=6400 patients)	All IHS (n=105626 patients)
6400 sampled from 7873 active patients with diabetes (81%)	105626 sampled from 141896 active patients with diabetes (74%)

Gender of Patients with Diabetes

	Portland Area	All IHS
■ Male	46 %	44 %
■ Female	54 %	56 %

Age Distribution of Patients with Diabetes

	Portland Area	All IHS
■ <15 years	0 %	0 %
■ 15-44 years	19 %	21 %
■ 45-64 years	52 %	51 %
■ 65 years and older	29 %	28 %

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012

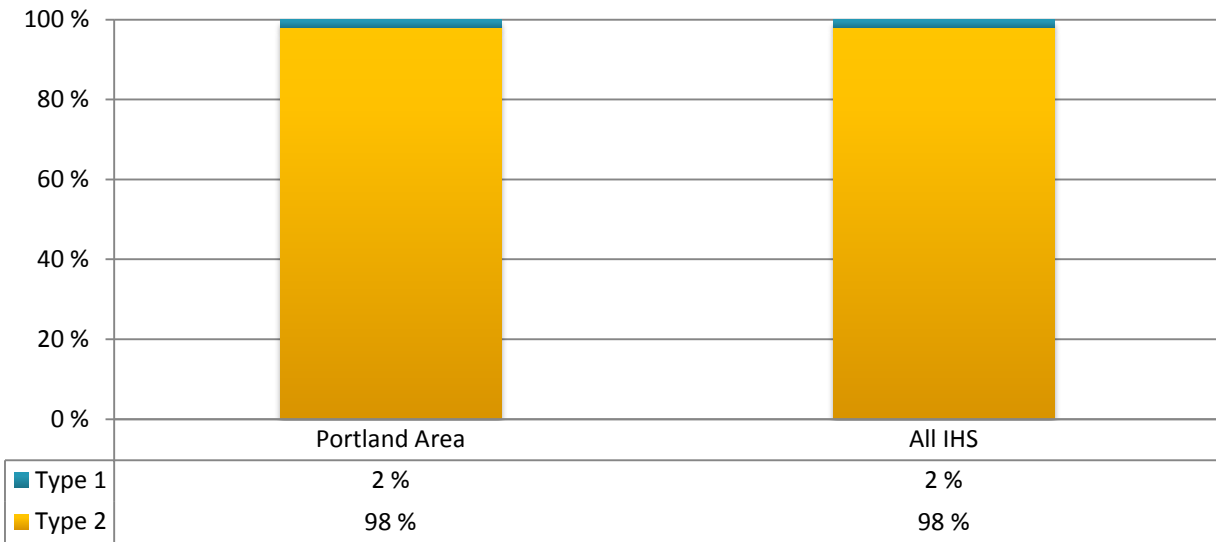This information is for the following groups:

Portland Area (n=6400 patients)
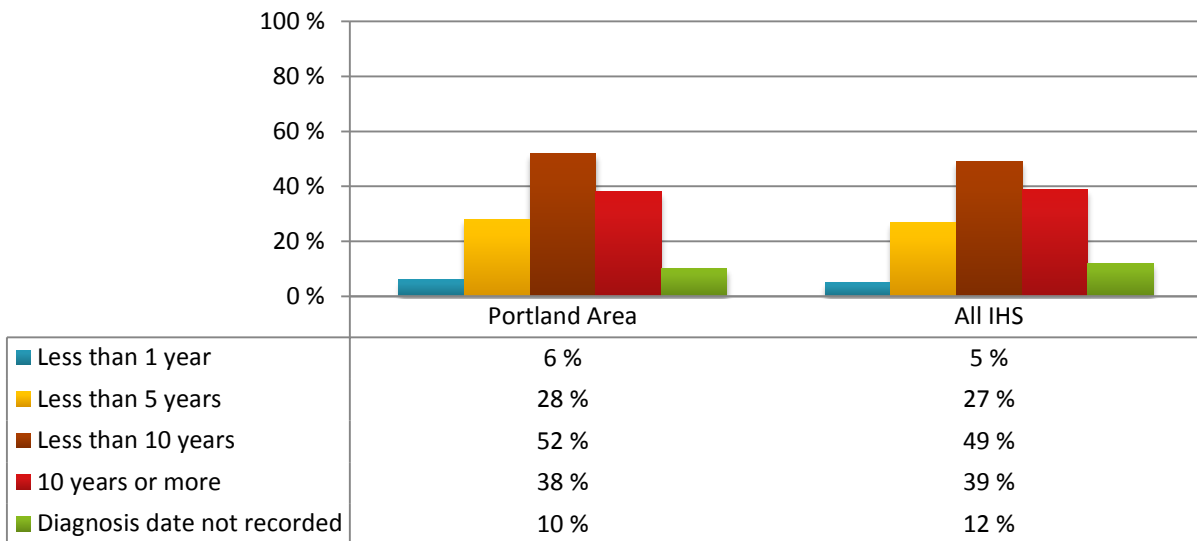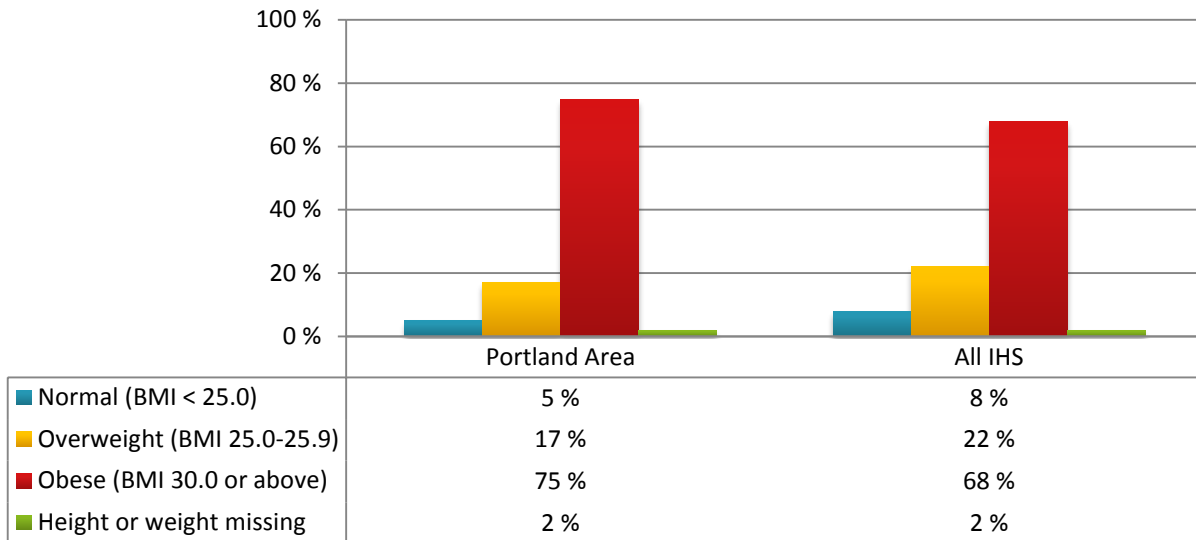
All IHS (n=105626 patients)

6400 sampled from 7873 active patients with diabetes (81%)

105626 sampled from 141896 active patients with diabetes (74%)

Type of Diabetes Diagnosed

	Portland Area	All IHS
Type 1	2 %	2 %
Type 2	98 %	98 %

Duration of Diabetes

	Portland Area	All IHS
Less than 1 year	6 %	5 %
Less than 5 years	28 %	27 %
Less than 10 years	52 %	49 %
10 years or more	38 %	39 %
Diagnosis date not recorded	10 %	12 %

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012

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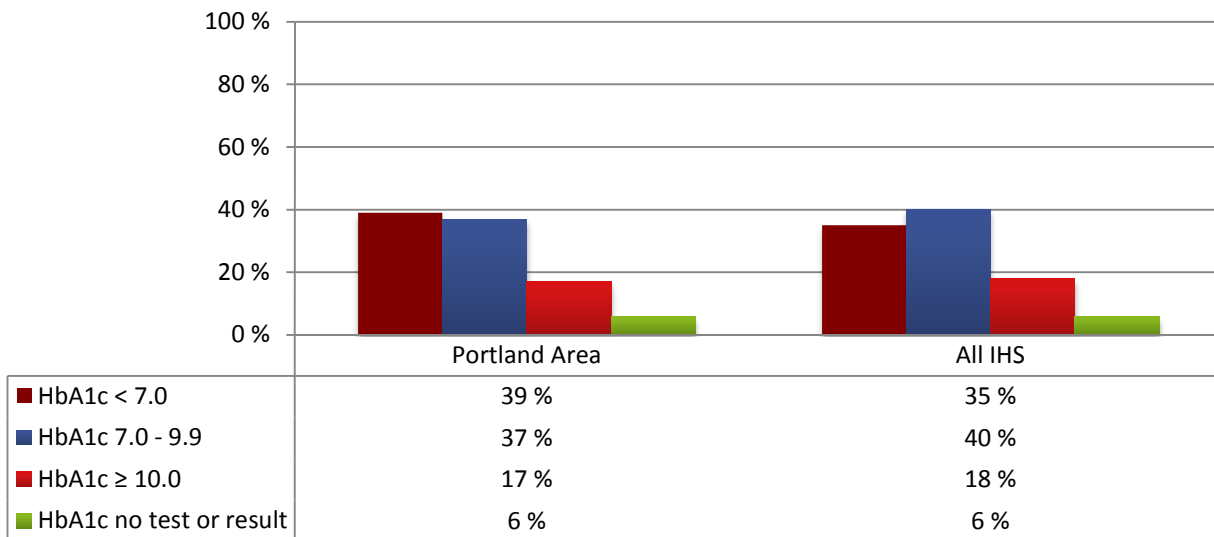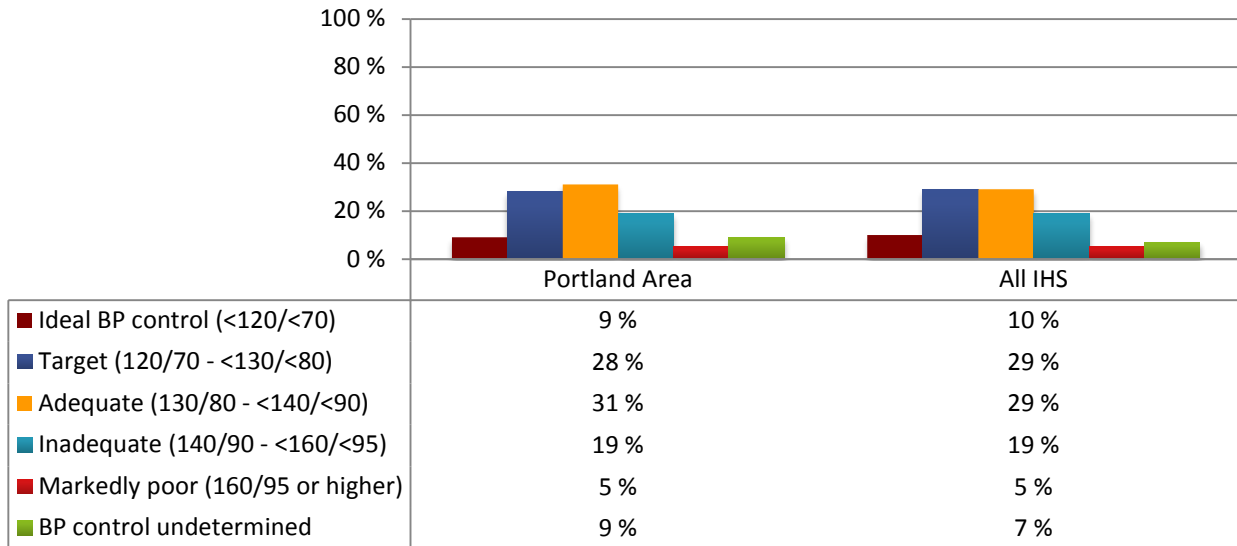Portland Area (n=6400 patients)   All IHS (n=105626 patients)

6400 sampled from 7873 active patients with diabetes (81%)   105626 sampled from 141896 active patients with diabetes (74%)

Weight (Body Mass Index)

	Portland Area	All IHS
■ 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	2 %	2 %

Hemoglobin A1C

	Portland Area	All IHS
■ HbA1c < 7.0	39 %	35 %
■ HbA1c 7.0 - 9.9	37 %	40 %
■ HbA1c ≥ 10.0	17 %	18 %
■ HbA1c no test or result	6 %	6 %

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012

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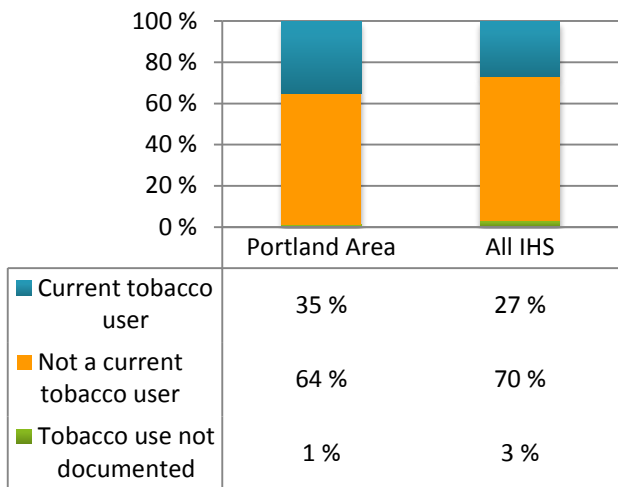Portland Area (n=6400 patients)

All IHS (n=105626 patients)

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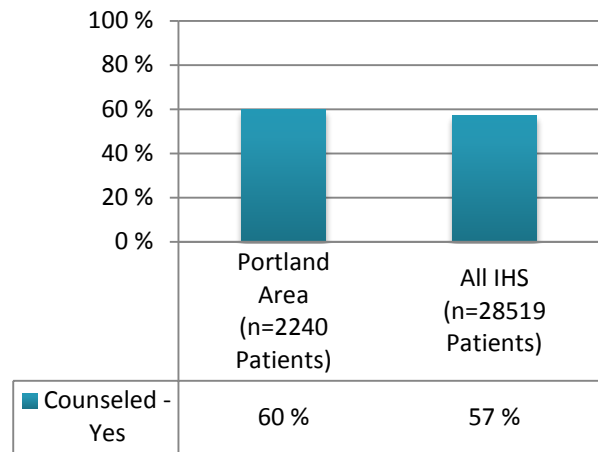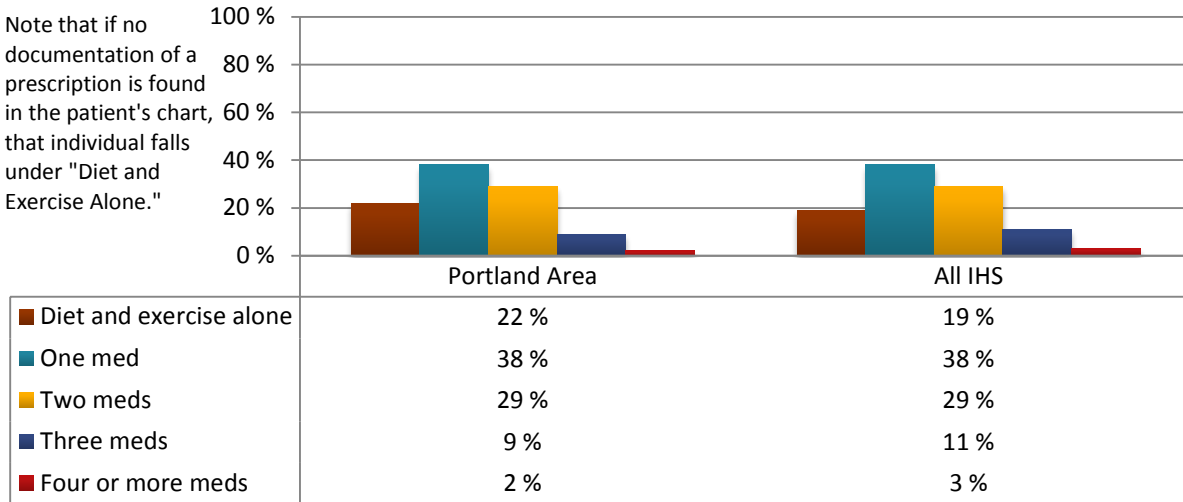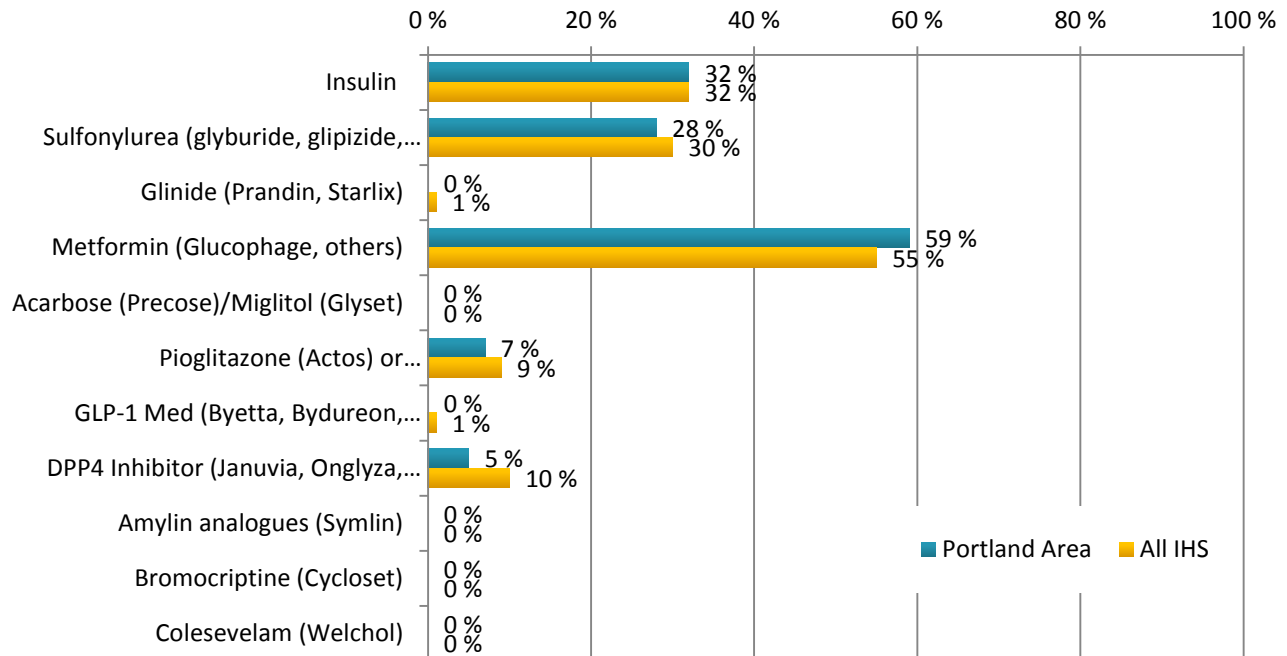105626 sampled from 141896 active patients with diabetes (74%)

Blood Pressure

	Portland Area	All IHS
■ Ideal BP control (<120/<70)	9 %	10 %
■ Target (120/70 - <130/<80)	28 %	29 %
■ Adequate (130/80 - <140/<90)	31 %	29 %
■ Inadequate (140/90 - <160/<95)	19 %	19 %
■ Markedly poor (160/95 or higher)	5 %	5 %
■ BP control undetermined	9 %	7 %

Tobacco Use

	Portland Area	All IHS
■ Current tobacco user	35 %	27 %
■ Not a current tobacco user	64 %	70 %
■ Tobacco use not documented	1 %	3 %

Tobacco Cessation Counseling for Current Tobacco Users

	Portland Area (n=2240 Patients)	All IHS (n=28519 Patients)
■ Counseled - Yes	60 %	57 %

2013 Diabetes Audit: Dates of Service Jan 1 - Dec 31, 2012

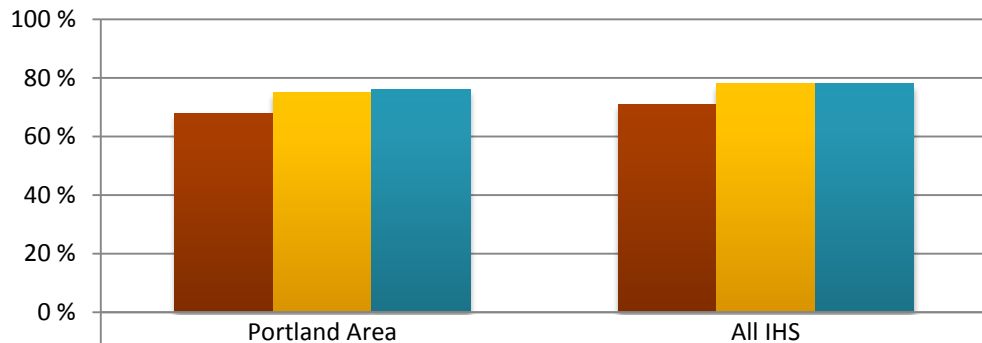This information is for the following groups:

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Patients with Diabetes-Related Prescriptions

Note that if no documentation of a prescription is found in the patient's chart, that individual falls under "Diet and Exercise Alone."

	Portland Area	All IHS
Diet and exercise alone	22 %	19 %
One med	38 %	38 %
Two meds	29 %	29 %
Three meds	9 %	11 %
Four or more meds	2 %	3 %

Diabetes Medications, Alone or in Combination

	Portland Area	All IHS
Insulin	32 %	32 %
Sulfonylurea (glyburide, glipizide,…	28 %	30 %
Glinide (Prandin, Starlix)	0 %	1 %
Metformin (Glucophage, others)	59 %	55 %
Acarbose (Precose)/Miglitol (Glyset)	0 %	0 %
Pioglitazone (Actos) or…	7 %	9 %
GLP-1 Med (Byetta, Bydureon,…	0 %	1 %
DPP4 Inhibitor (Januvia, Onglyza,…	5 %	10 %
Amylin analogues (Symlin)	0 %	0 %
Bromocriptine (Cycloset)	0 %	0 %
Colesevelam (Welchol)	0 %	0 %

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All IHS (n=105626 patients)

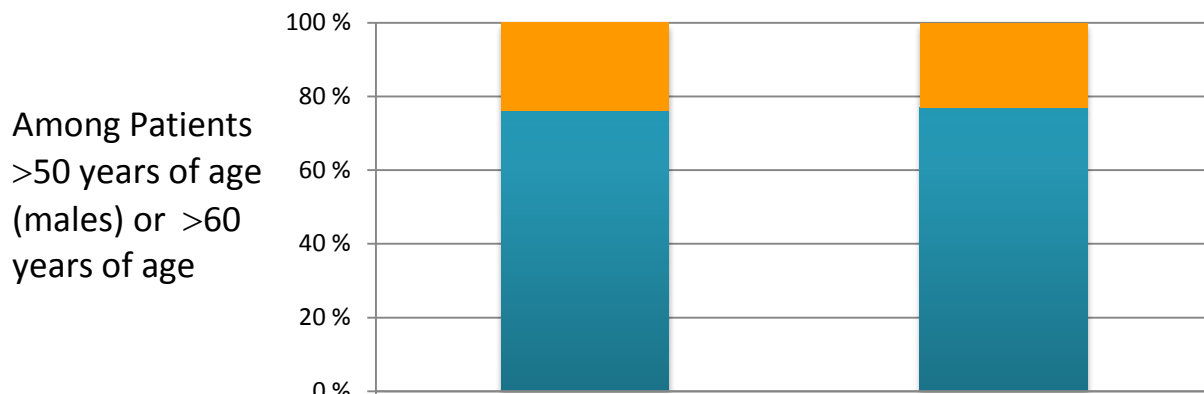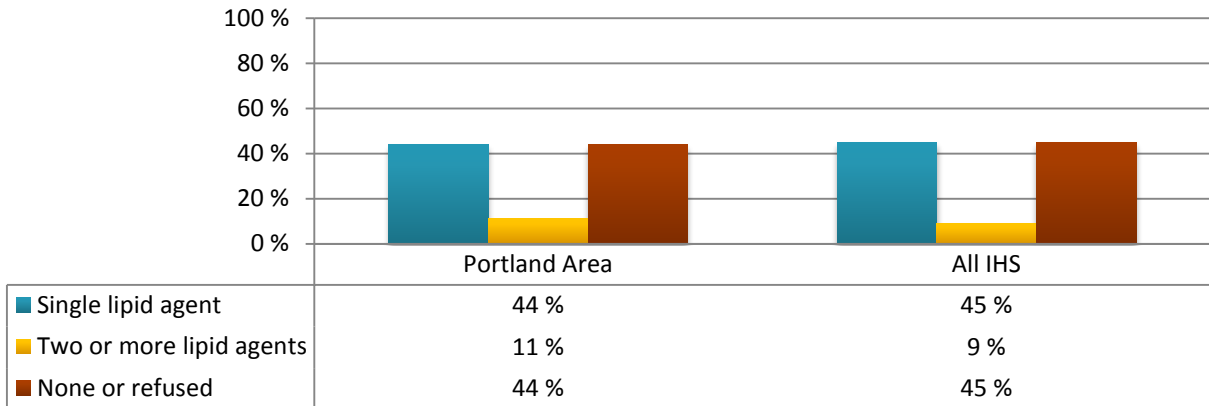6400 sampled from 7873 active patients with diabetes (81%)

105626 sampled from 141896 active patients with diabetes (74%)

Ace Inhibitor (or ARB) Prescriptions

	Portland Area	All IHS
ACE or ARB Rx [overall]	68 %	71 %
As a % of pts with known hypertension	75 %	78 %
As a % of pts with elevated albuminuria	76 %	78 %

Anti-Platelet Therapy

Among Patients >50 years of age (males) or >60 years of age

	Portland Area	All IHS
ASA None (CVD dx)	24 %	23 %
Aspirin/Antiplatelet Prescription (CVD dx)	76 %	77 %

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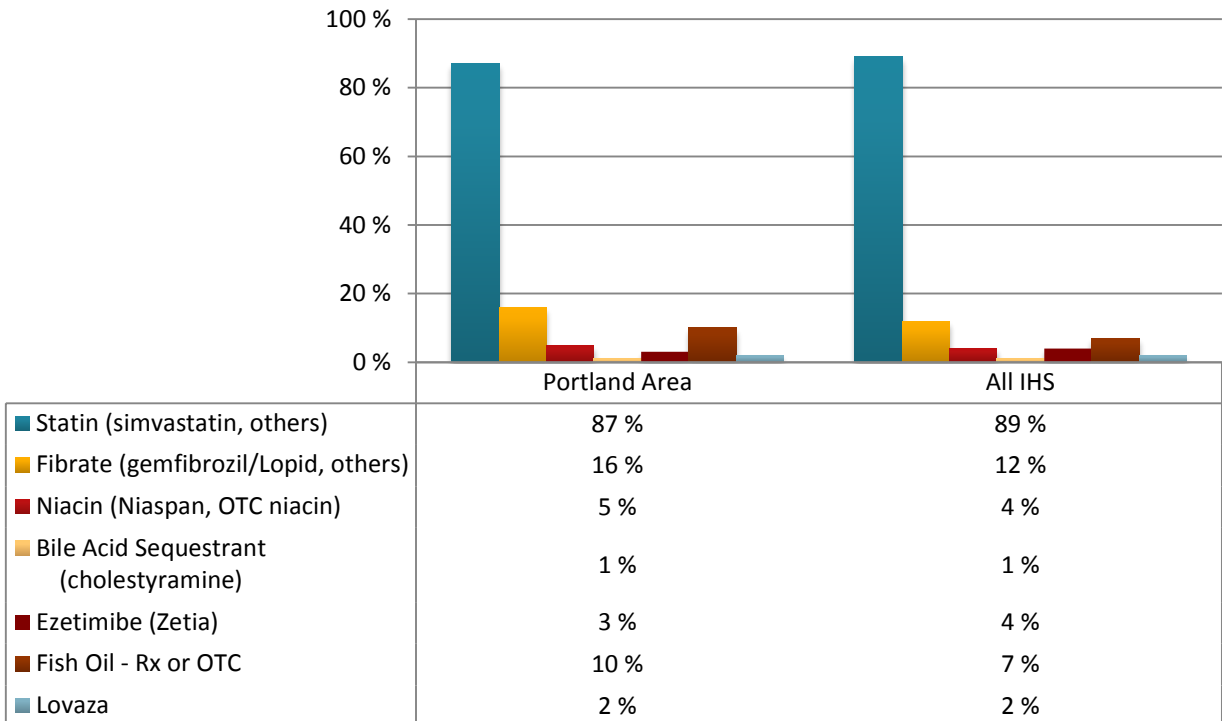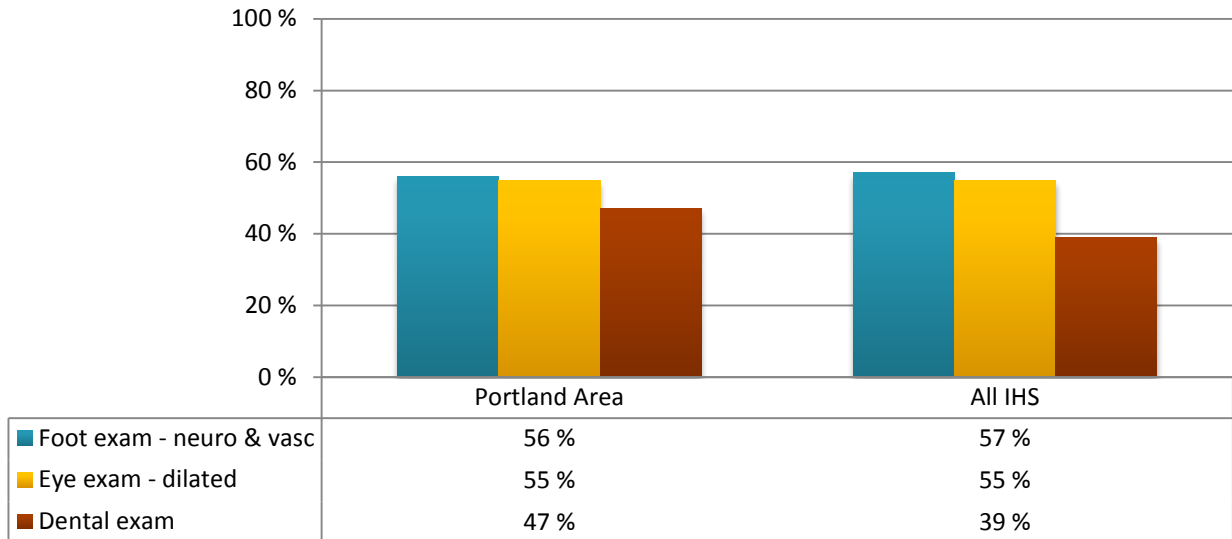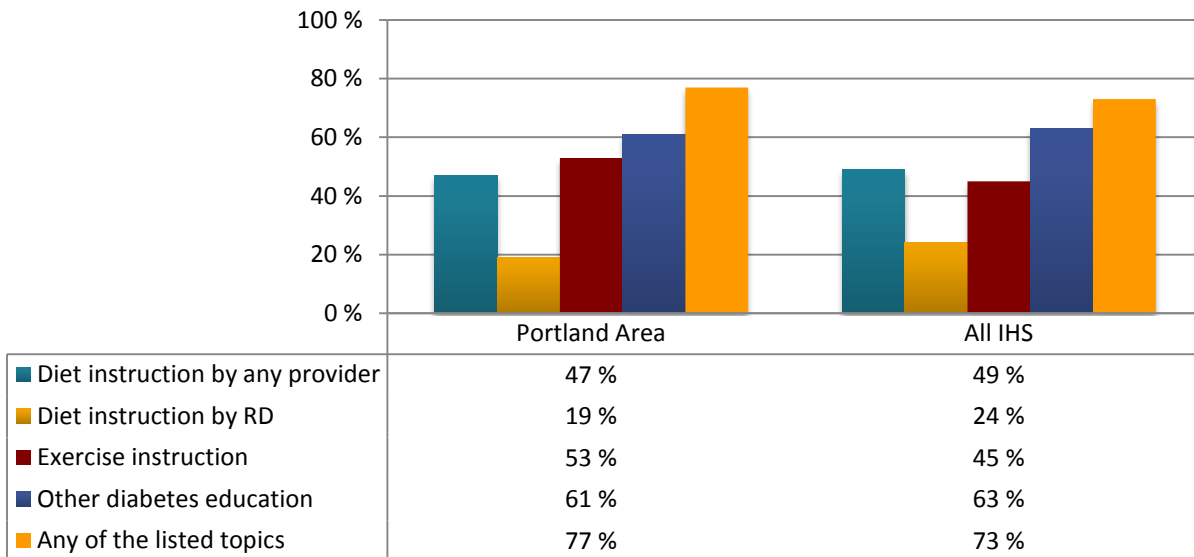Portland Area (n=6400 patients)

All IHS (n=105626 patients)

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Lipid Lowering Agent Prescribed

	Portland Area	All IHS
■ Single lipid agent	44 %	45 %
■ Two or more lipid agents	11 %	9 %
■ None or refused	44 %	45 %

Type of Lipid-Lowering Agent Prescribed

	Portland Area	All IHS
■ Statin (simvastatin, others)	87 %	89 %
■ Fibrate (gemfibrozil/Lopid, others)	16 %	12 %
■ Niacin (Niaspan, OTC niacin)	5 %	4 %
■ Bile Acid Sequestrant (cholestyramine)	1 %	1 %
■ Ezetimibe (Zetia)	3 %	4 %
■ Fish Oil - Rx or OTC	10 %	7 %
■ Lovaza	2 %	2 %

Northwest Portland Area Indian Health Board

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Yearly Exams

	Portland Area	All IHS
Foot exam - neuro & vasc	56 %	57 %
Eye exam - dilated	55 %	55 %
Dental exam	47 %	39 %

Yearly Diabetes Education

	Portland Area	All IHS
Diet instruction by any provider	47 %	49 %
Diet instruction by RD	19 %	24 %
Exercise instruction	53 %	45 %
Other diabetes education	61 %	63 %
Any of the listed topics	77 %	73 %

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Immunizations
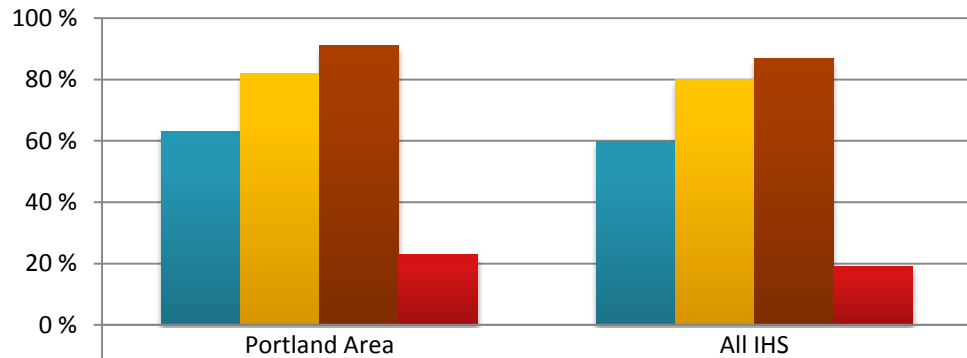
	Portland Area	All IHS
■ Flu Vaccine - yearly	63 %	60 %
■ Pneumovax - once	82 %	80 %
■ Tetanus/Diphtheria (q 10 yrs)	91 %	87 %
■ Hepatitus B series ever	23 %	19 %

Portland Area
Flu Vaccine refused: 10%
Pneumovax refused: 4%
Tetanus/Diphtheria refused: 3%
Hepatitus B series refused: 23%

All IHS
Flu Vaccine refused: 8%
Pneumovax refused: 3%
Tetanus/Diphtheria refused: 2%
Hepatitus B series refused: 19%

Depression Identified as Active Diagnosis
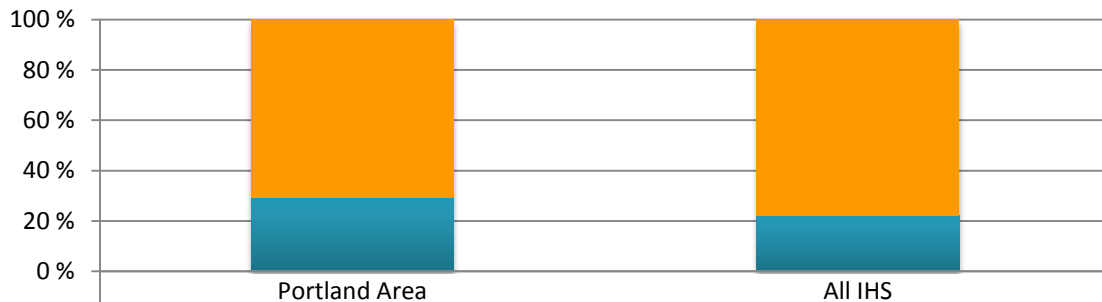
	Portland Area	All IHS
■ Depression No	71 %	78 %
■ Depression Yes	29 %	22 %

Northwest Portland Area Indian Health Board

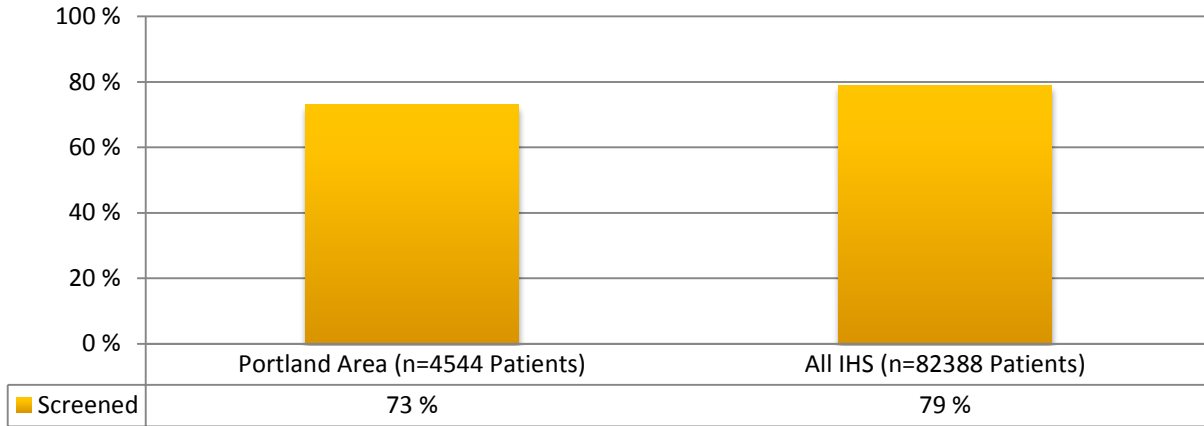This information is for the following groups:

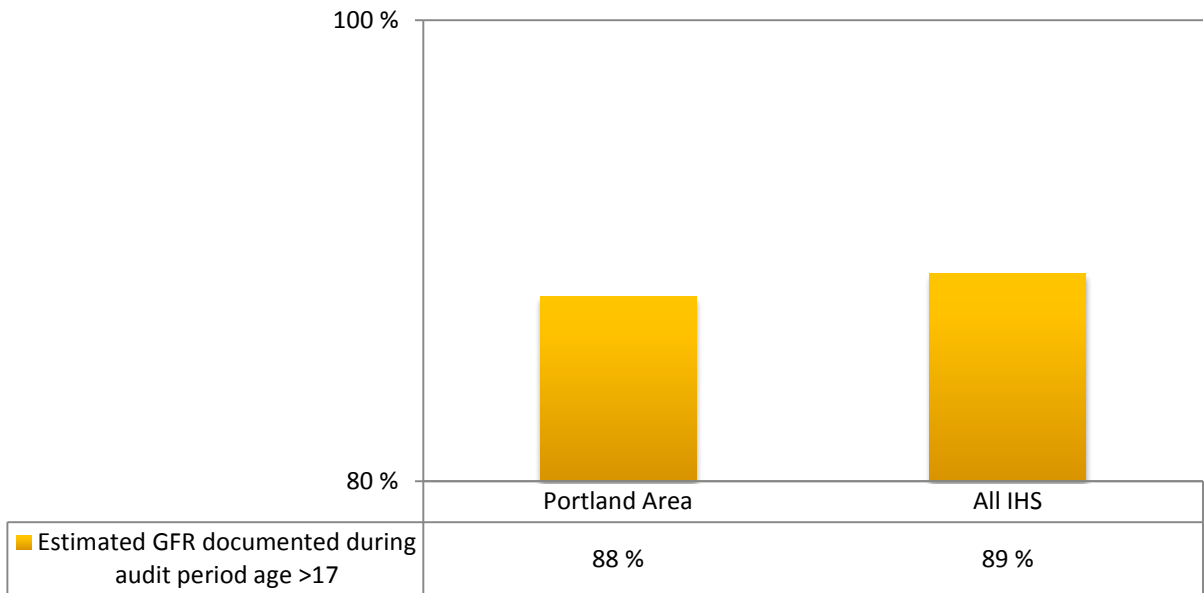| Portland Area (n=6400 patients)	All IHS (n=105626 patients)
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Of Patients Without Active Depression Diagnosis, Proportion Screened for Depression in Past Year

	Portland Area (n=4544 Patients)	All IHS (n=82388 Patients)
■ Screened	73 %	79 %

Estimated GFR Testing

	Portland Area	All IHS
■ Estimated GFR documented during audit period age >17	88 %	89 %

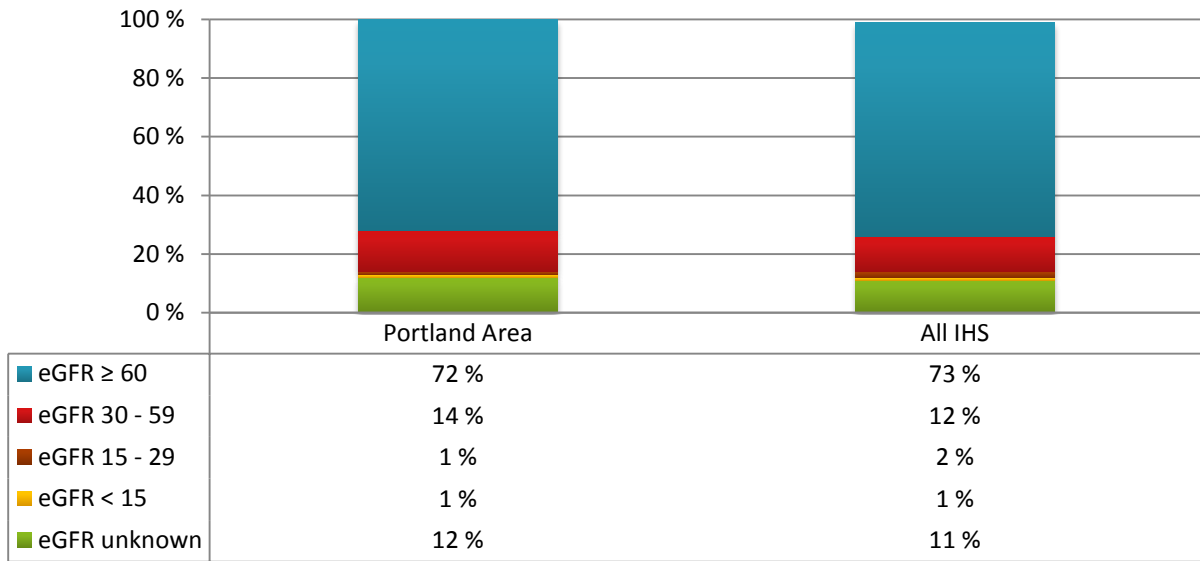**This information is for the following groups:**

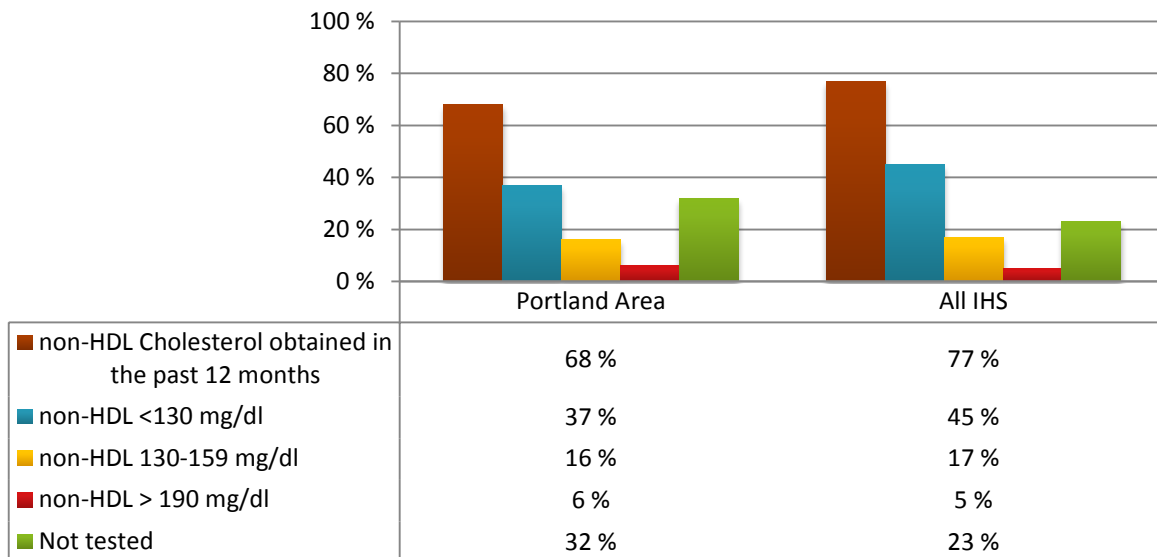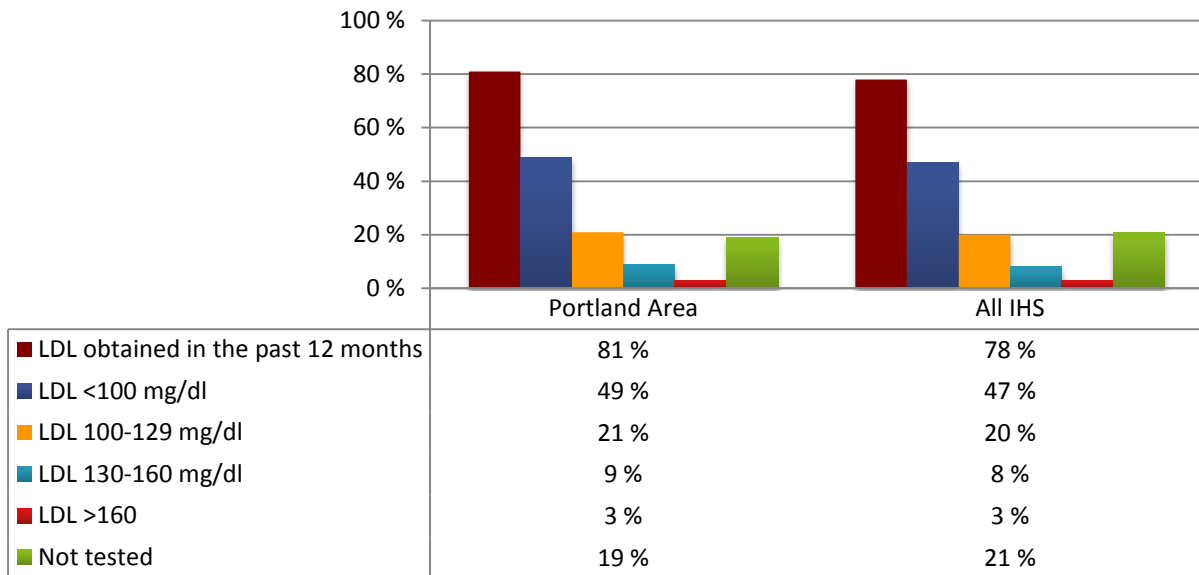Portland Area (n=6400 patients)   All IHS (n=105626 patients)

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Estimated GFR results

	Portland Area	All IHS
eGFR ≥ 60	72 %	73 %
eGFR 30 - 59	14 %	12 %
eGFR 15 - 29	1 %	2 %
eGFR < 15	1 %	1 %
eGFR unknown	12 %	11 %

Non-HDL Cholesterol

	Portland Area	All IHS
non-HDL Cholesterol obtained in the past 12 months	68 %	77 %
non-HDL <130 mg/dl	37 %	45 %
non-HDL 130-159 mg/dl	16 %	17 %
non-HDL > 190 mg/dl	6 %	5 %
Not tested	32 %	23 %

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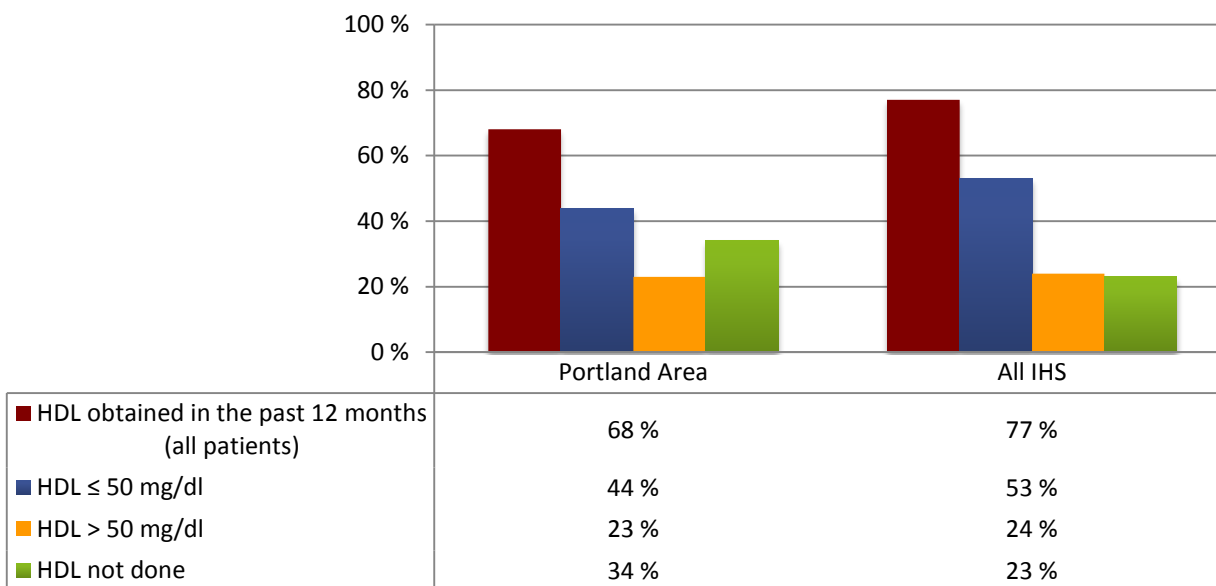| Portland Area (n=6400 patients)	All IHS (n=105626 patients)
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LDL Cholesterol

	Portland Area	All IHS
■ LDL obtained in the past 12 months	81 %	78 %
■ LDL <100 mg/dl	49 %	47 %
■ LDL 100-129 mg/dl	21 %	20 %
■ LDL 130-160 mg/dl	9 %	8 %
■ LDL >160	3 %	3 %
■ Not tested	19 %	21 %

HDL Cholesterol Females

	Portland Area	All IHS
■ HDL obtained in the past 12 months (all patients)	68 %	77 %
■ HDL ≤ 50 mg/dl	44 %	53 %
■ HDL > 50 mg/dl	23 %	24 %
■ HDL not done	34 %	23 %

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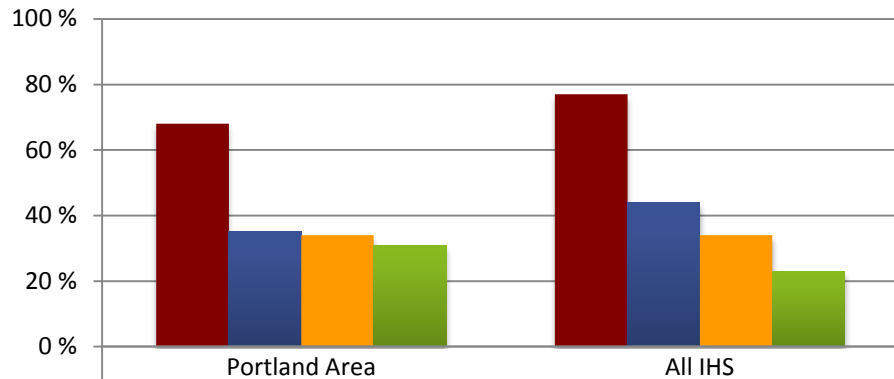This information is for the following groups:

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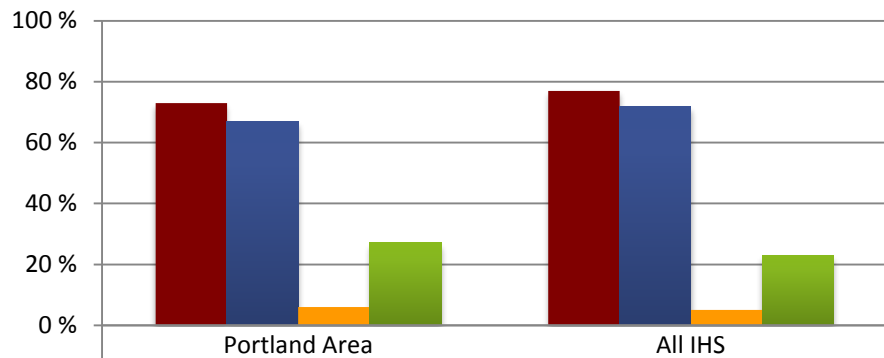6400 sampled from 7873 active patients with diabetes (81%)

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HDL Cholesterol Males

	Portland Area	All IHS
■ HDL obtained in the past 12 months (all patients)	68 %	77 %
■ HDL ≤ 40 mg/dl	35 %	44 %
■ HDL > 40 mg/dl	34 %	34 %
■ HDL not done	31 %	23 %

Triglyceride Distribution

	Portland Area	All IHS
■ Triglycerides obtained in the past 12 months	73 %	77 %
■ TG ≤ 400 mg/dl	67 %	72 %
■ TG >400 mg/dl	6 %	5 %
■ TG not tested	27 %	23 %

Northwest Portland Area Indian Health Board
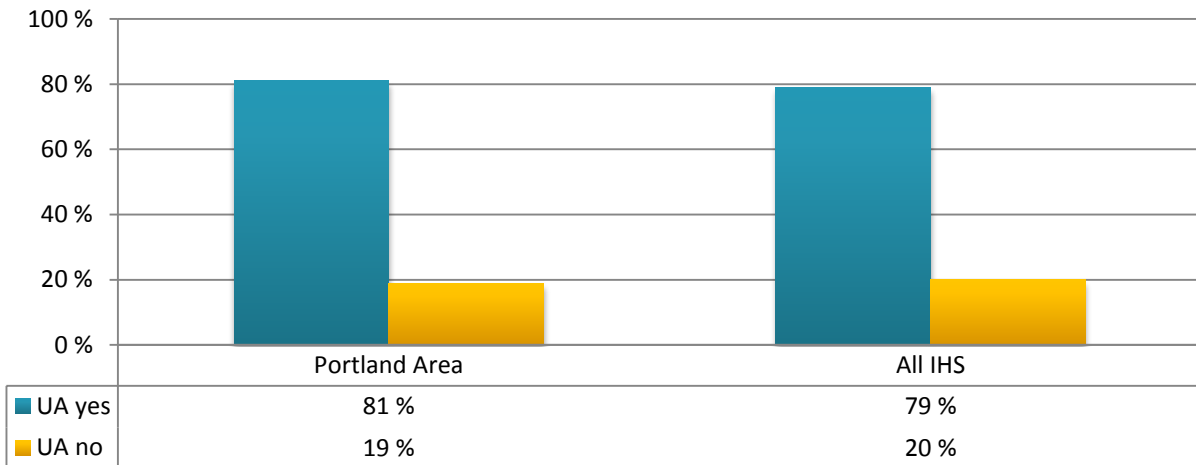
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Urinalysis Performed

	Portland Area	All IHS
■ UA yes	81 %	79 %
■ UA no	19 %	20 %

Type of Urine Protein Testing

	Portland Area	All IHS
■ Urine Albumin:Creatinine Ratio (UACR)	66 %	64 %
■ Urine Protein:Creatinine Ratio (UPCR)	0 %	2 %
■ 24 hour urine protein	0 %	0 %
■ Microalbumin:creatinine strip (e.g., Clinitek)	5 %	5 %
■ Microalbumin only	4 %	8 %
■ Standard UA dipstick protein	25 %	21 %

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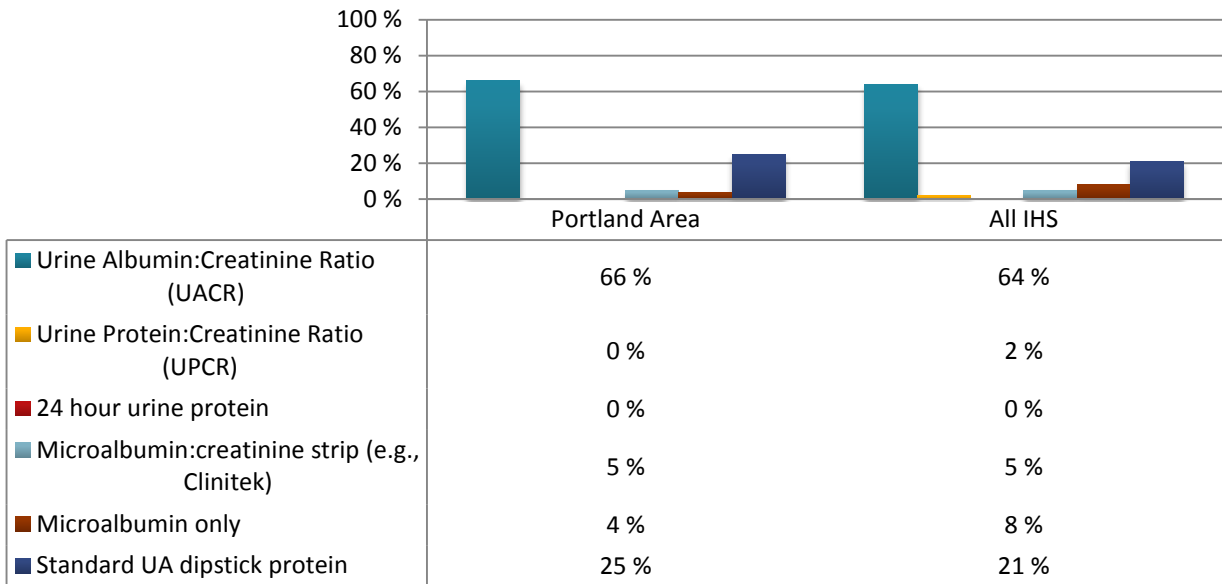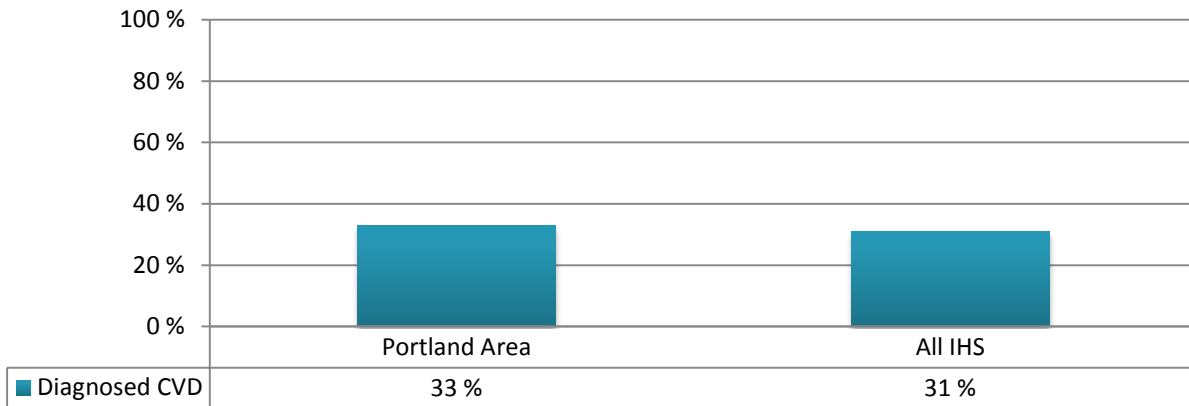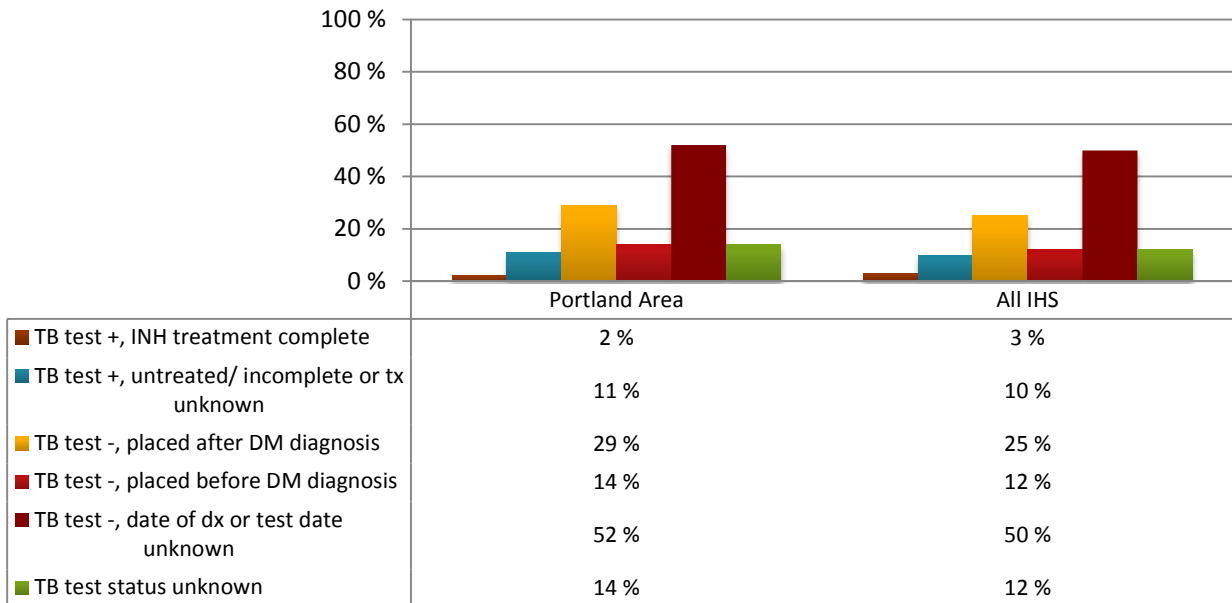Portland Area (n=6400 patients)

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Patients diagnosed with CVD

	Portland Area	All IHS
■ Diagnosed CVD	33 %	31 %

Tuberculosis Status

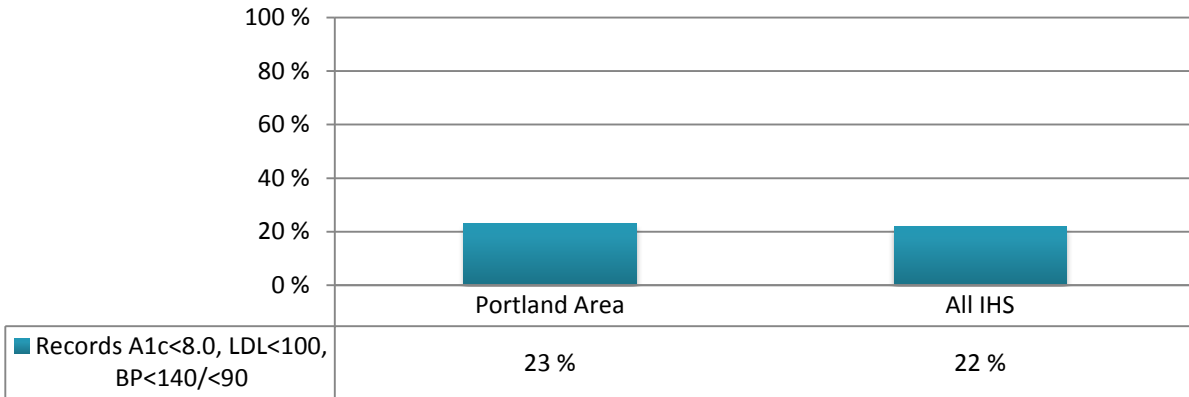|	Portland Area	All IHS
■ TB test +, INH treatment complete	2 %	3 %
■ TB test +, untreated/ incomplete or tx unknown	11 %	10 %
■ TB test -, placed after DM diagnosis	29 %	25 %
■ TB test -, placed before DM diagnosis	14 %	12 %
■ TB test -, date of dx or test date unknown	52 %	50 %
■ TB test status unknown	14 %	12 %

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Records meeting ALL of the criteria:
A1c < 8.0, LDL < 100, and mean BP <140/<90

	Portland Area	All IHS
■ Records A1c<8.0, LDL<100, BP<140/<90	23 %	22 %

Records with eGFR and quantitative protein test

	Portland Area	All IHS
■ Records with eGFR and quantitative protein test	52 %	50 %