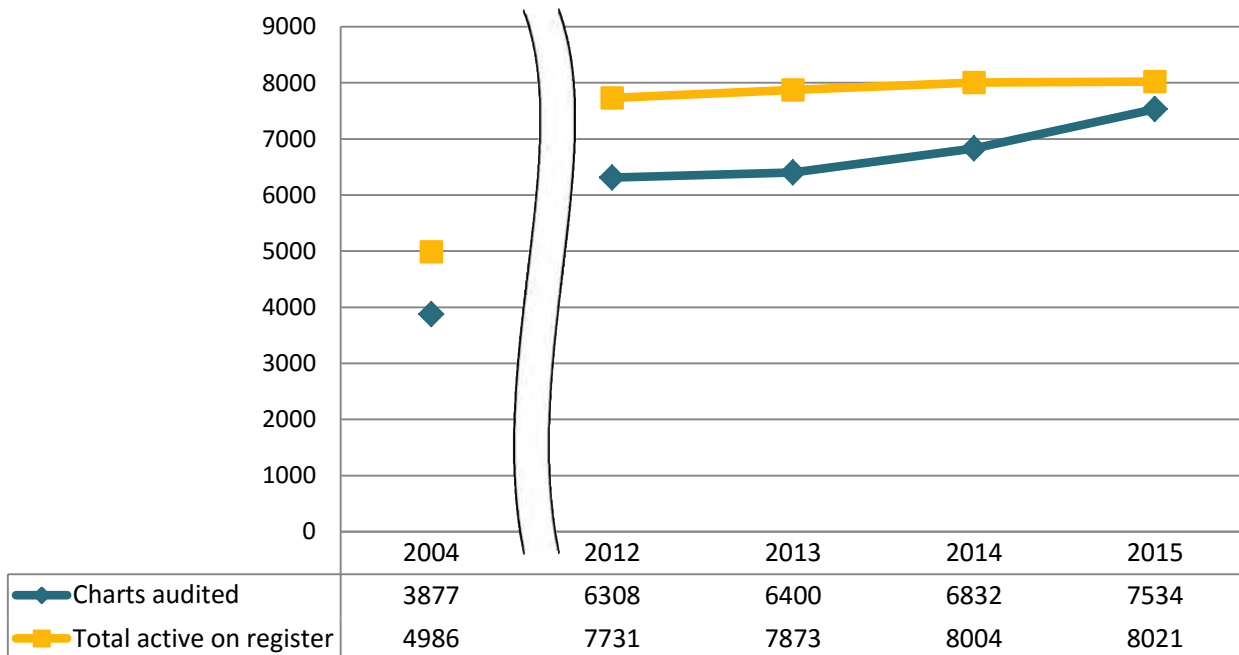# Diabetes Audit Results, Portland Area, 2004-2015

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**.
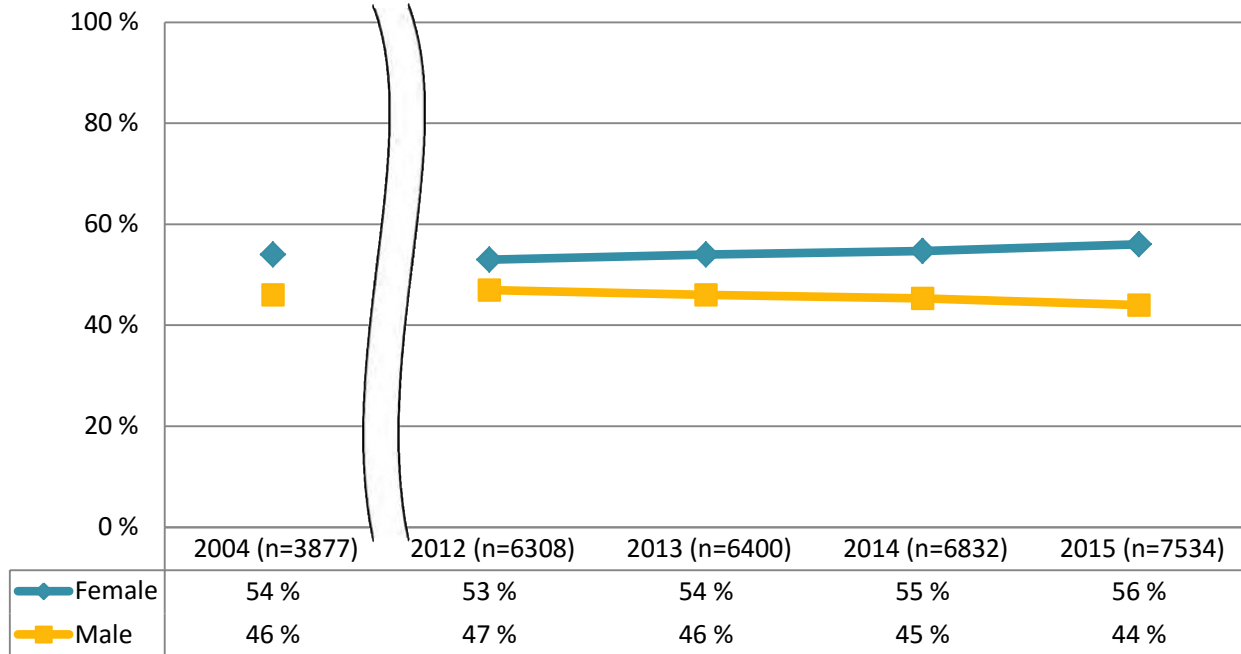
Notes:
▪ Due to rounding, charts will occasionally not add up to 100%.
▪ Data are presented by the year in which the data were submitted. Most likely, the patient care reflected in the audit was delivered in the previous year. For example, the columns 2013 in these charts reflect care that was delivered in 2012.
▪ Blank spaces have been left for some indicators in years when information was not reported.

Patients in the Diabetes Register
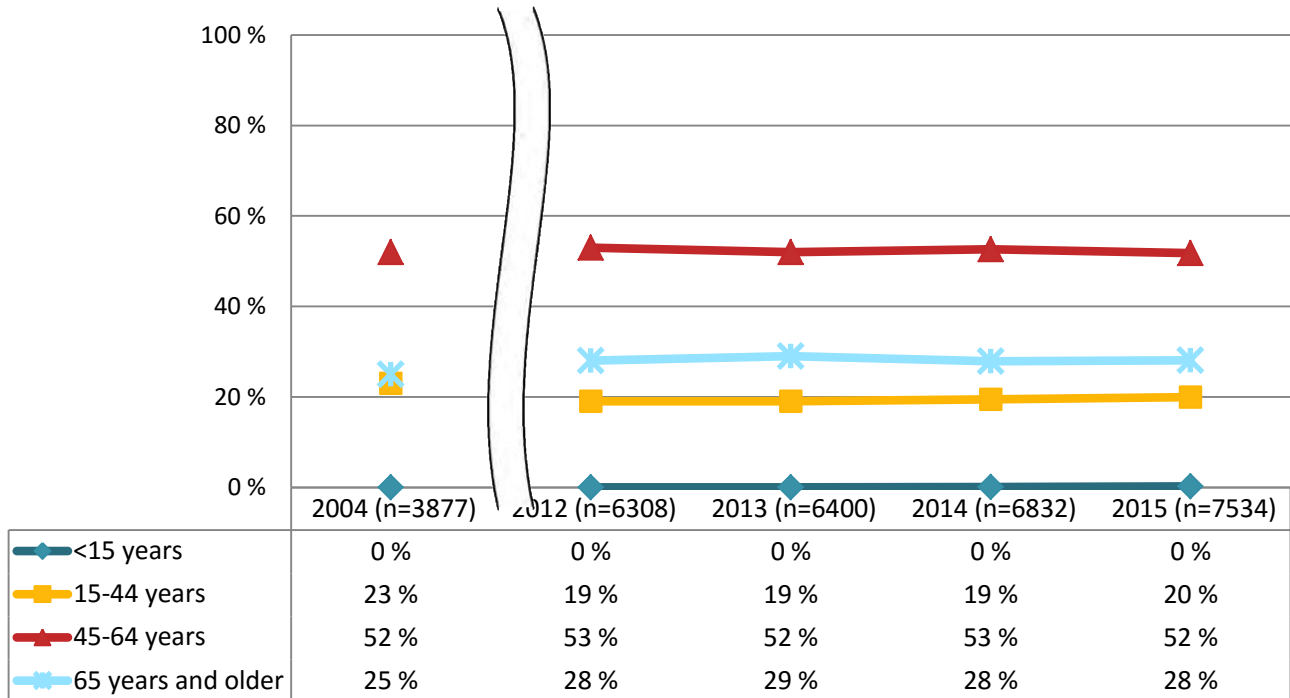

	2004	2012	2013	2014	2015
Charts audited	3877	6308	6400	6832	7534
Total active on register	4986	7731	7873	8004	8021

Gender of Patients with Diabetes

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Female	54 %	53 %	54 %	55 %	56 %
Male	46 %	47 %	46 %	45 %	44 %

Age of Patients with Diabetes

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
<15 years	0 %	0 %	0 %	0 %	0 %
15-44 years	23 %	19 %	19 %	19 %	20 %
45-64 years	52 %	53 %	52 %	53 %	52 %
65 years and older	25 %	28 %	29 %	28 %	28 %

Diabetes Audit Results, Portland Area, 2004-2015

Diabetes Type

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Type 2	98 %	98 %	98 %	98 %	97 %
Type 1	2 %	2 %	2 %	2 %	3 %

Duration of Diabetes

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Diagnosis date not recorded	15 %	10 %	10 %	9 %	5 %
10 years or more	25 %	38 %	38 %	37 %	30 %
5 to <10 years	25 %	23 %	24 %	25 %	26 %
Less than 5 years	35 %	29 %	28 %	30 %	38 %
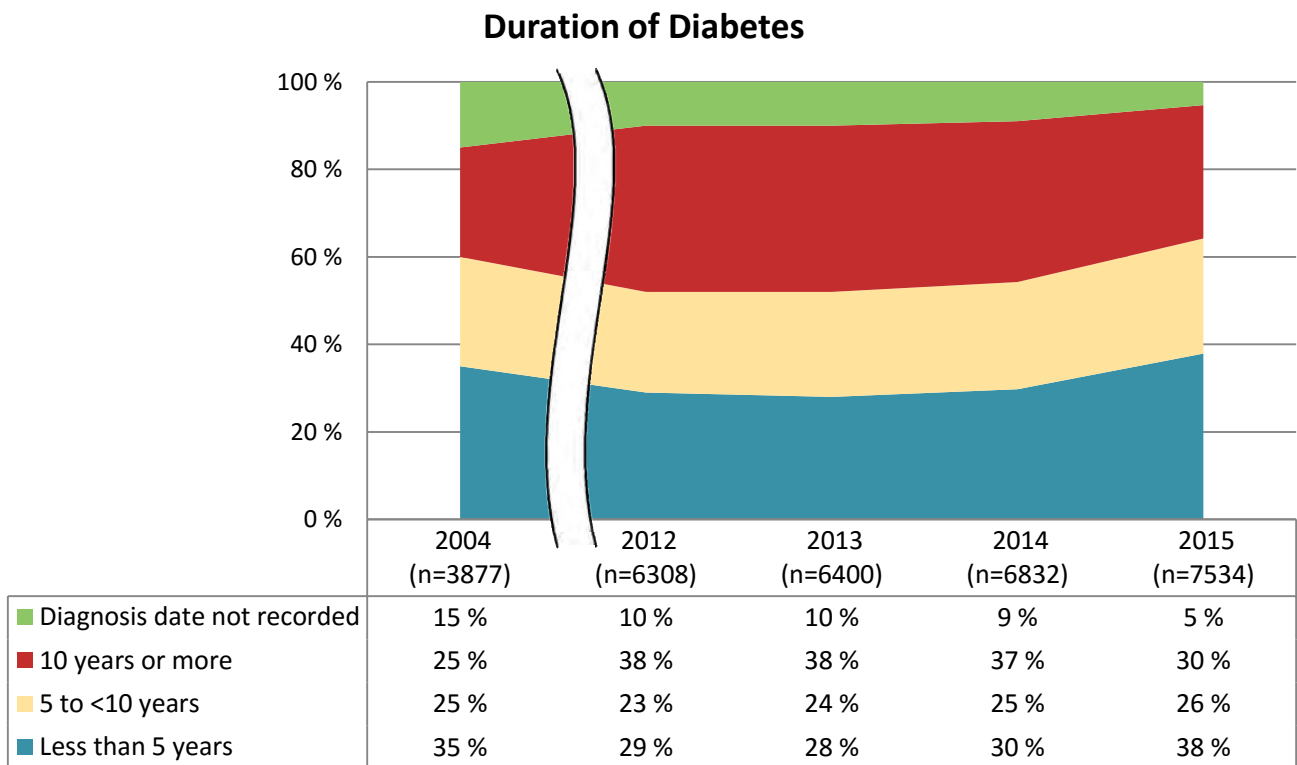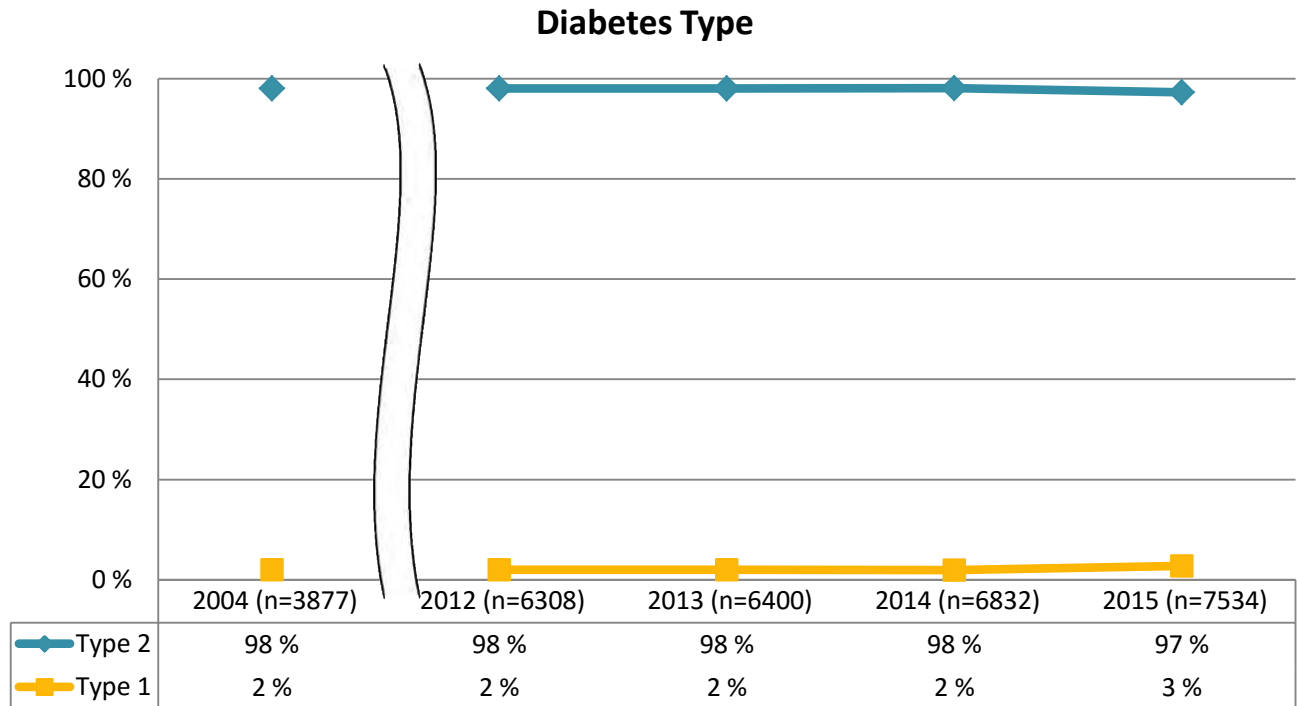
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Weight Control
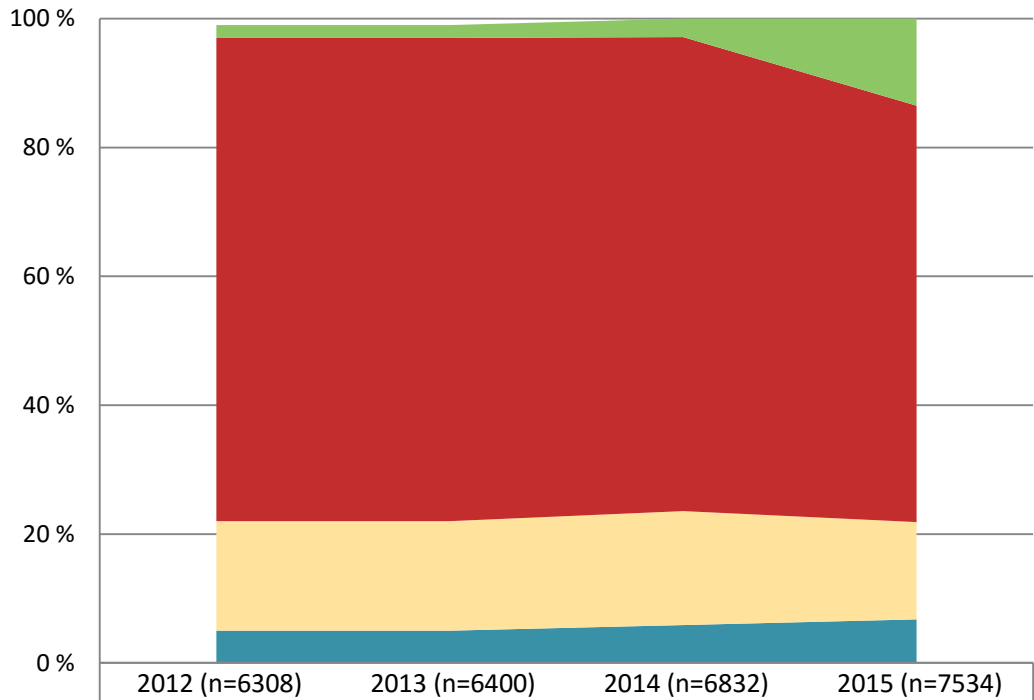
	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
■ Height or weight missing	2 %	2 %	3 %	14 %
■ Obese (BMI 30.0 or above)	75 %	75 %	74 %	65 %
■ Overweight (BMI 25.0-29.9)	17 %	17 %	18 %	15 %
■ Normal (BMI < 25.0)	5 %	5 %	6 %	7 %
Overweight or obese (BMI 25 or above)	92 %	92 %	91 %	80 %

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.
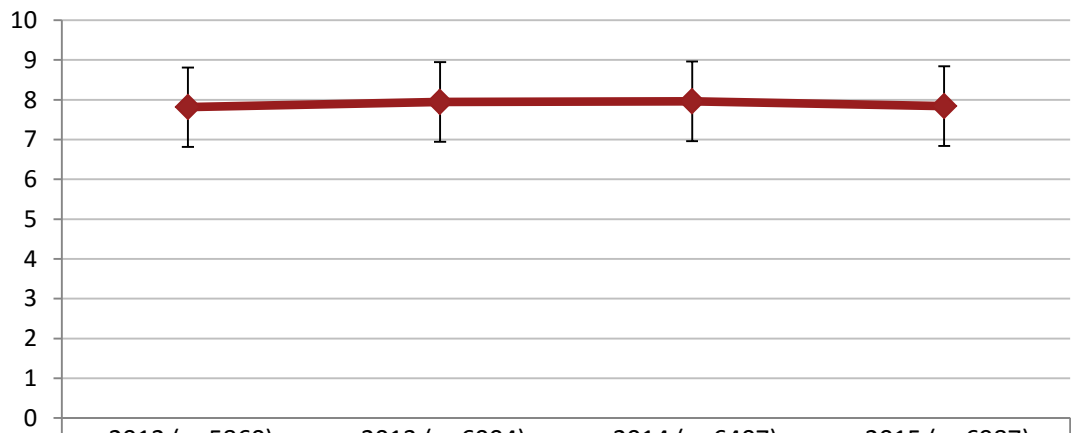
Diabetes Audit Results, Portland Area, 2004-2015

Hemoglobin A1c
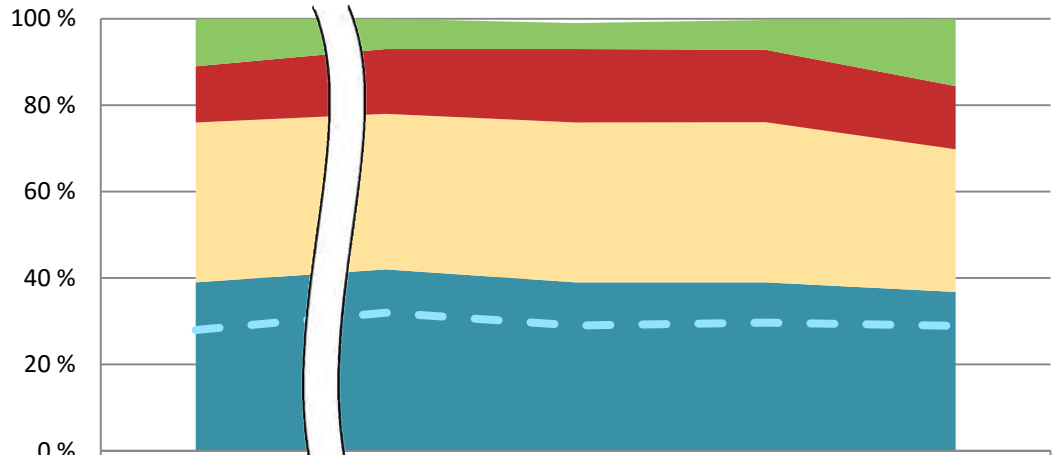
	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
HbA1c missing	11 %	7 %	6 %	7 %	16 %
HbA1c 10.0 or higher	13 %	15 %	17 %	17 %	15 %
HbA1c 7.0-9.9	37 %	36 %	37 %	37 %	33 %
HbA1c <7	39 %	42 %	39 %	39 %	37 %
HbA1c ≤6.5	28 %	32 %	29 %	30 %	29 %

Average Hemoglobin A1C

|	2012 (n=5860)	2013 (n=6004)	2014 (n=6407)	2015 (n=6987)
Mean HbA1c	7.81	7.94	7.96	7.84
Standard error	0.03	0.03	0.09	0.08
95% CI upper limit	7.866	7.997	8.137	7.995
95% CI lower limit	7.760	7.889	7.789	7.691

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.
**After 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
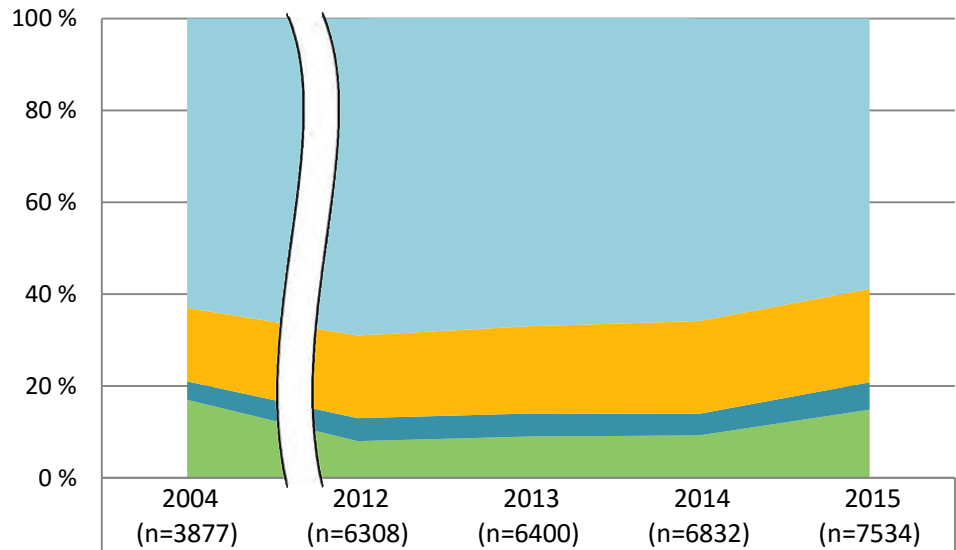
	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Adequate BP <140/<90	63 %	69 %	68 %	66 %	59 %
Inadequate (140/90 - <160/<95)	16 %	18 %	19 %	20 %	20 %
Markedly poor (160/95 or higher)	4 %	5 %	5 %	5 %	6 %
BP control undetermined	17 %	8 %	9 %	9 %	15 %

Average Blood Pressure
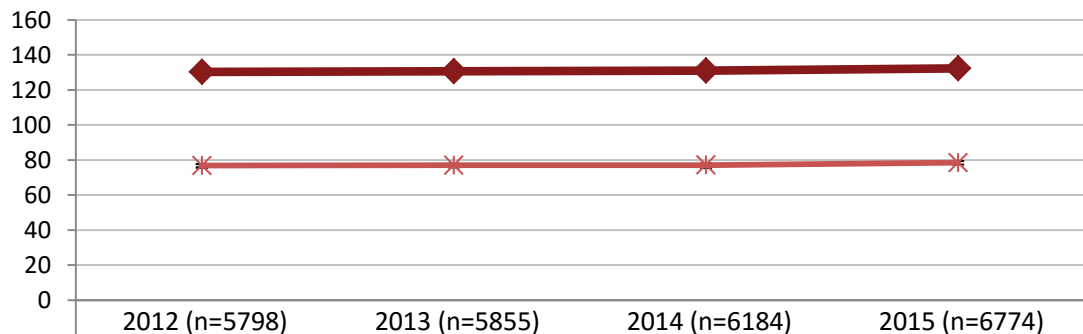
	2012 (n=5798)	2013 (n=5855)	2014 (n=6184)	2015 (n=6774)
Mean systolic BP	130.35	130.65	130.98	132.36
Standard error	0.18	0.18	0.55	0.73
95% CI upper limit	130.701	131.004	132.056	133.792
95% CI lower limit	130.003	130.294	129.908	130.930
Mean diastolic BP	76.79	76.99	77.06	78.44
Standard error	0.12	0.12	0.36	
95% CI upper limit	77.031	77.230	77.774	
95% CI lower limit	76.559	76.755	76.350	

Diabetes Audit Results, Portland Area, 2004-2015

Tobacco Use

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Tobacco use not documented	6 %	1 %	1 %	2 %	3 %
Not a current tobacco user	62 %	64 %	64 %	65 %	55 %
Current tobacco user	31 %	35 %	35 %	33 %	41 %
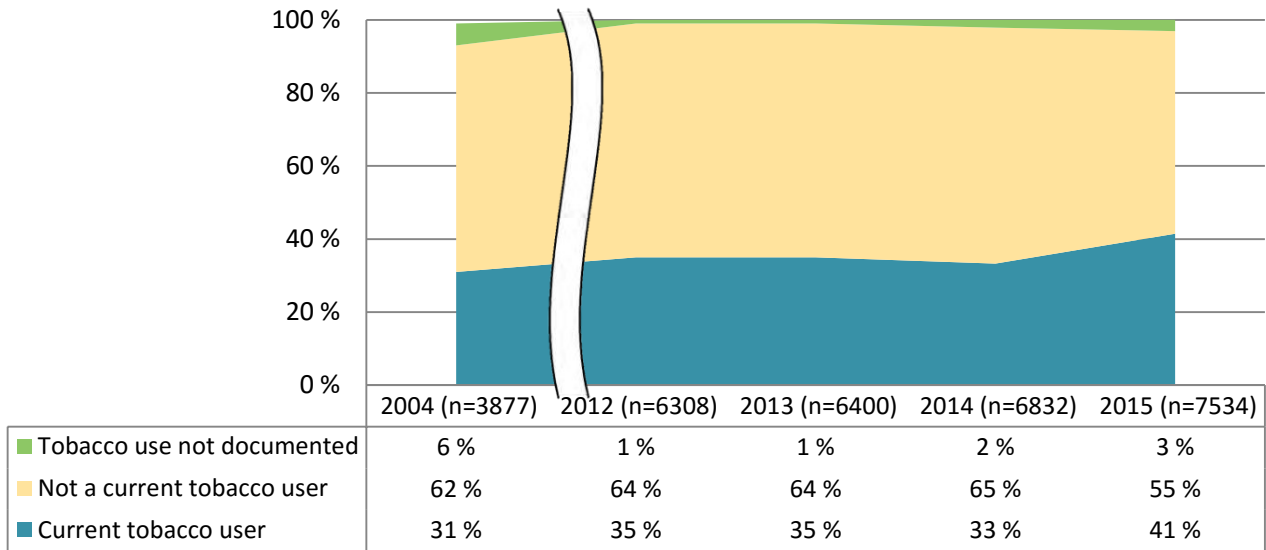
Tobacco Cessation Referrals

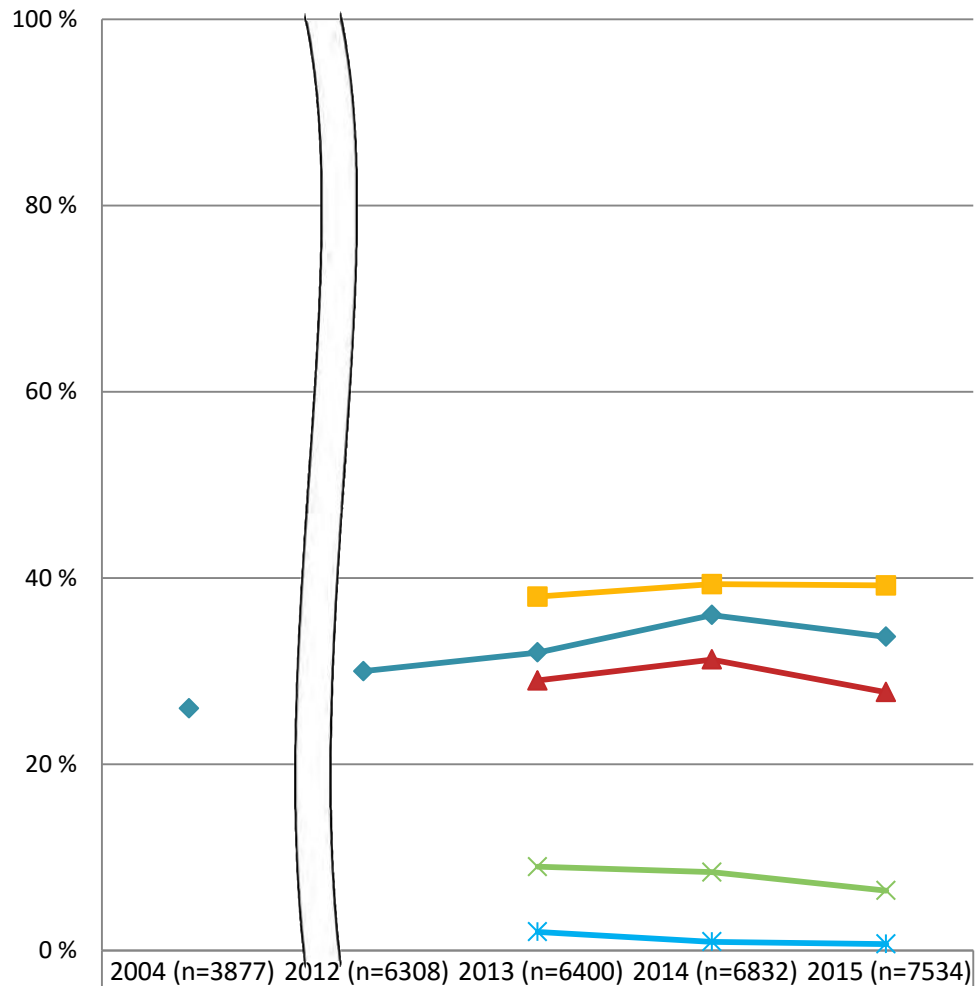|	2004 (n=1202)	2012 (n=2208)	2013 (n=2240)	2014 (n=2274)	2015 (n=3123)
Counsel rate/users	28 %	58 %	60 %	62 %	40 %
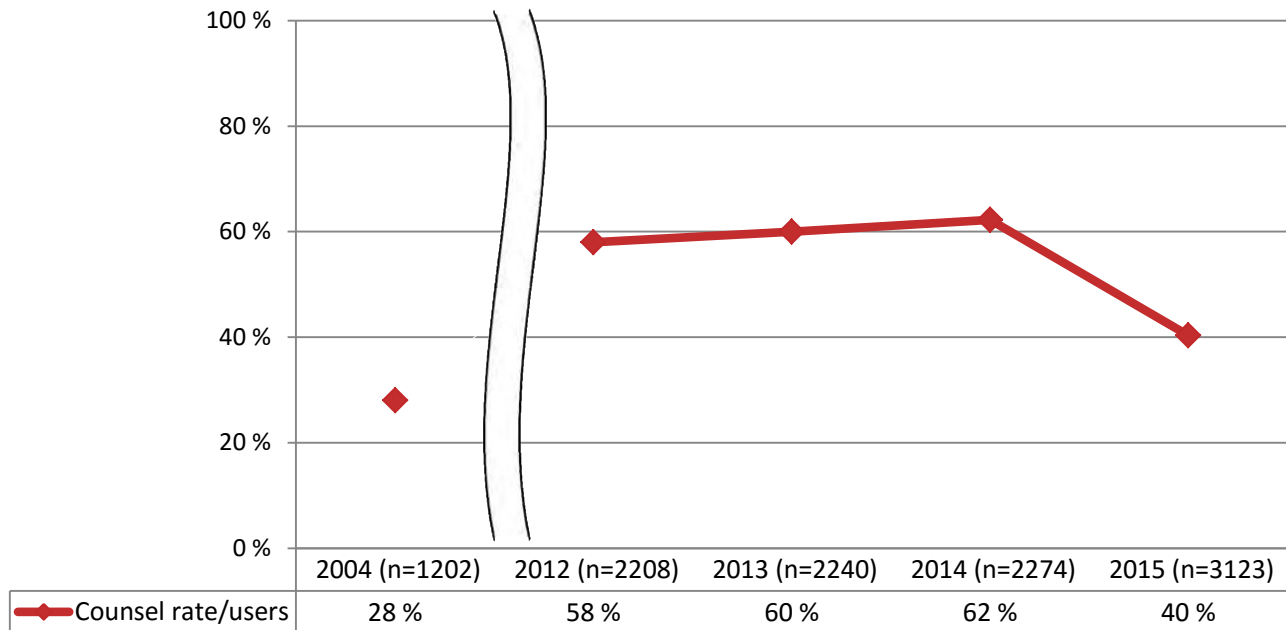
Note: The 'n' in this graph refers to the total number of tobacco users included in the audit.

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

Diabetes Medications

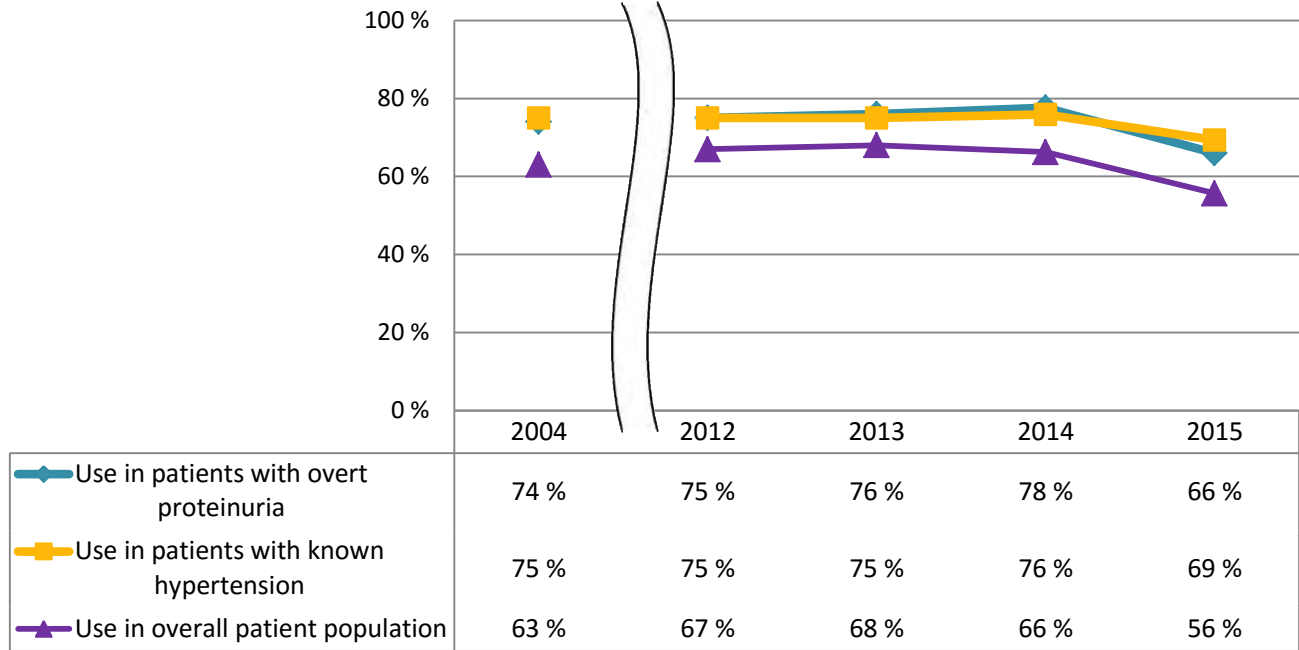|	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Insulin alone or in combination	26 %	30 %	32 %	36 %	34 %
One Med			38 %	39 %	39 %
Two Meds			29 %	31 %	28 %
Three Meds			9 %	8 %	6 %
Four + Meds			2 %	1 %	1 %

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.
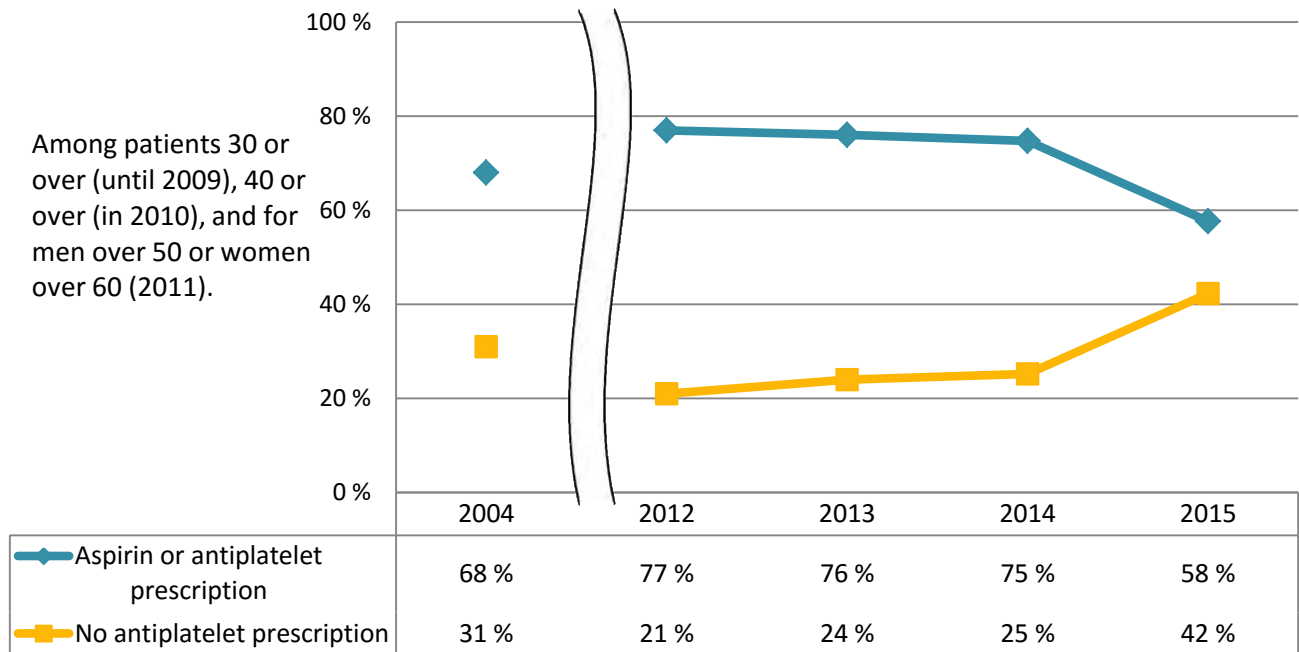
Diabetes Audit Results, Portland Area, 2004-2015

ACE Inhibitor or ARB Prescriptions

	2004	2012	2013	2014	2015
Use in patients with overt proteinuria	74 %	75 %	76 %	78 %	66 %
Use in patients with known hypertension	75 %	75 %	75 %	76 %	69 %
Use in overall patient population	63 %	67 %	68 %	66 %	56 %

Antiplatelet Therapy

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

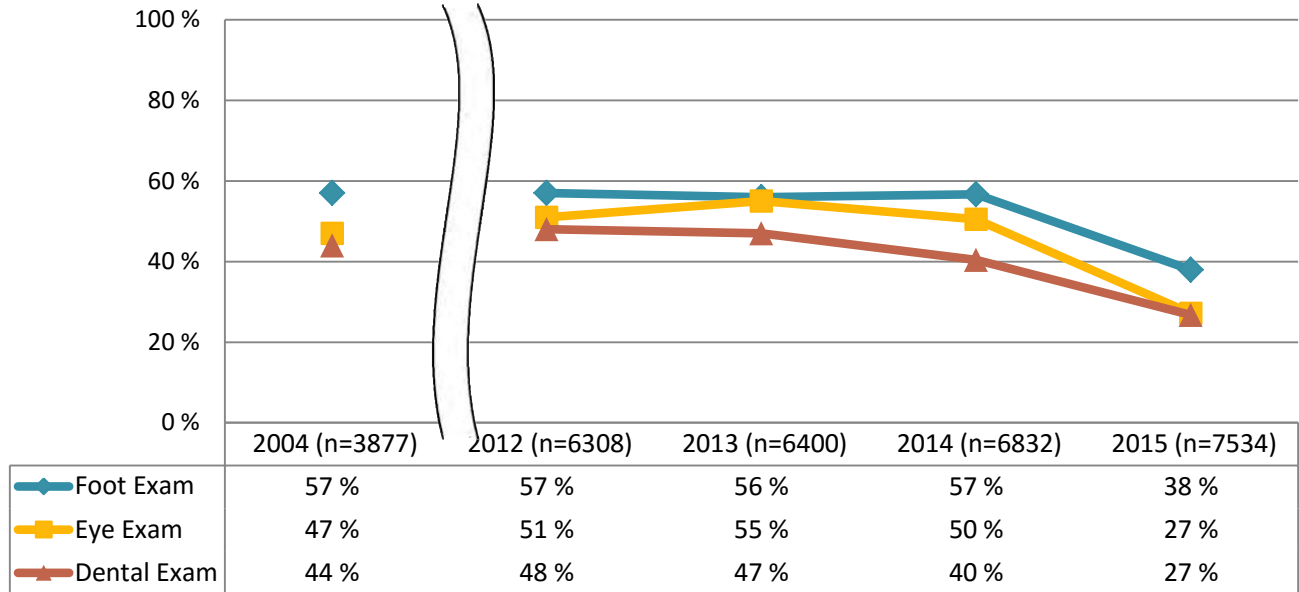|	2004	2012	2013	2014	2015
Aspirin or antiplatelet prescription	68 %	77 %	76 %	75 %	58 %
No antiplatelet prescription	31 %	21 %	24 %	25 %	42 %

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

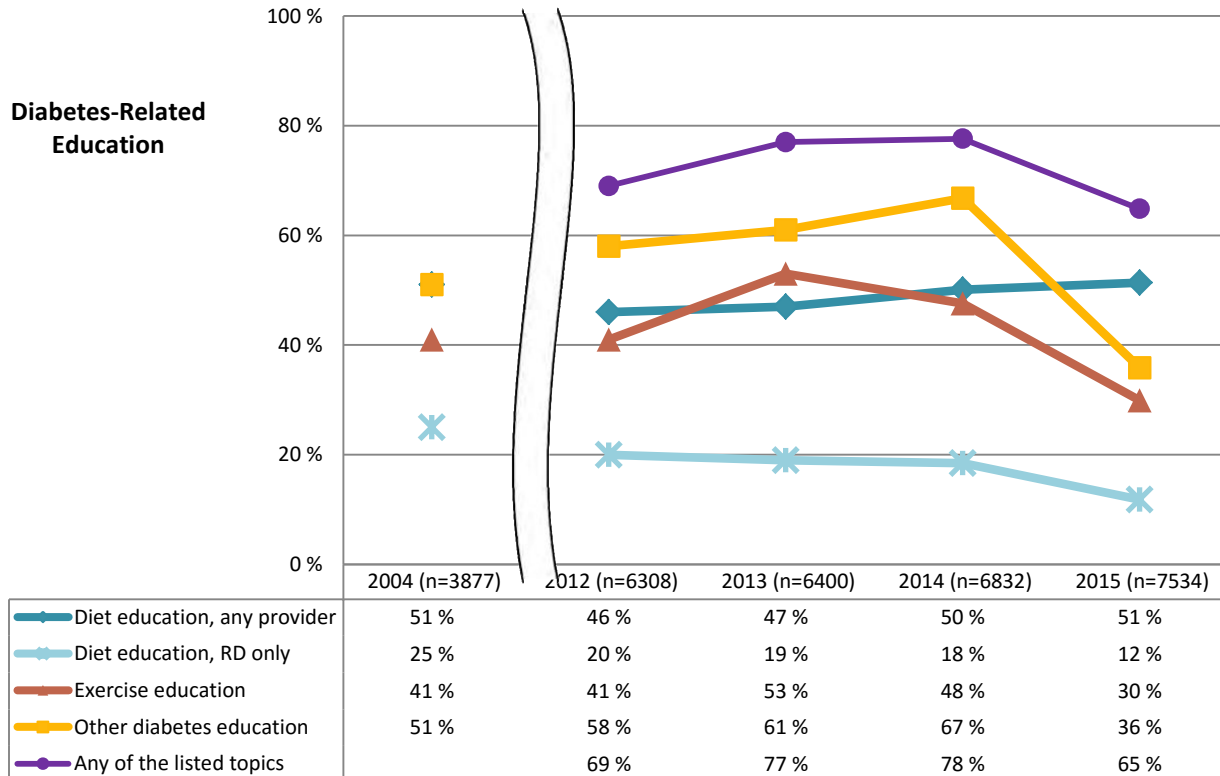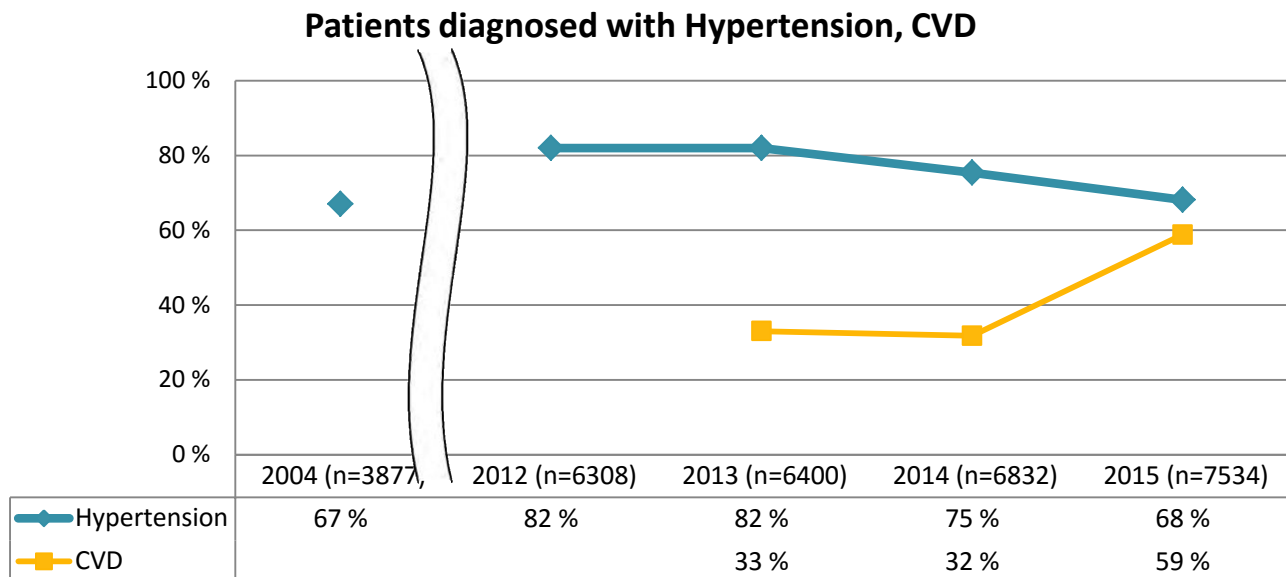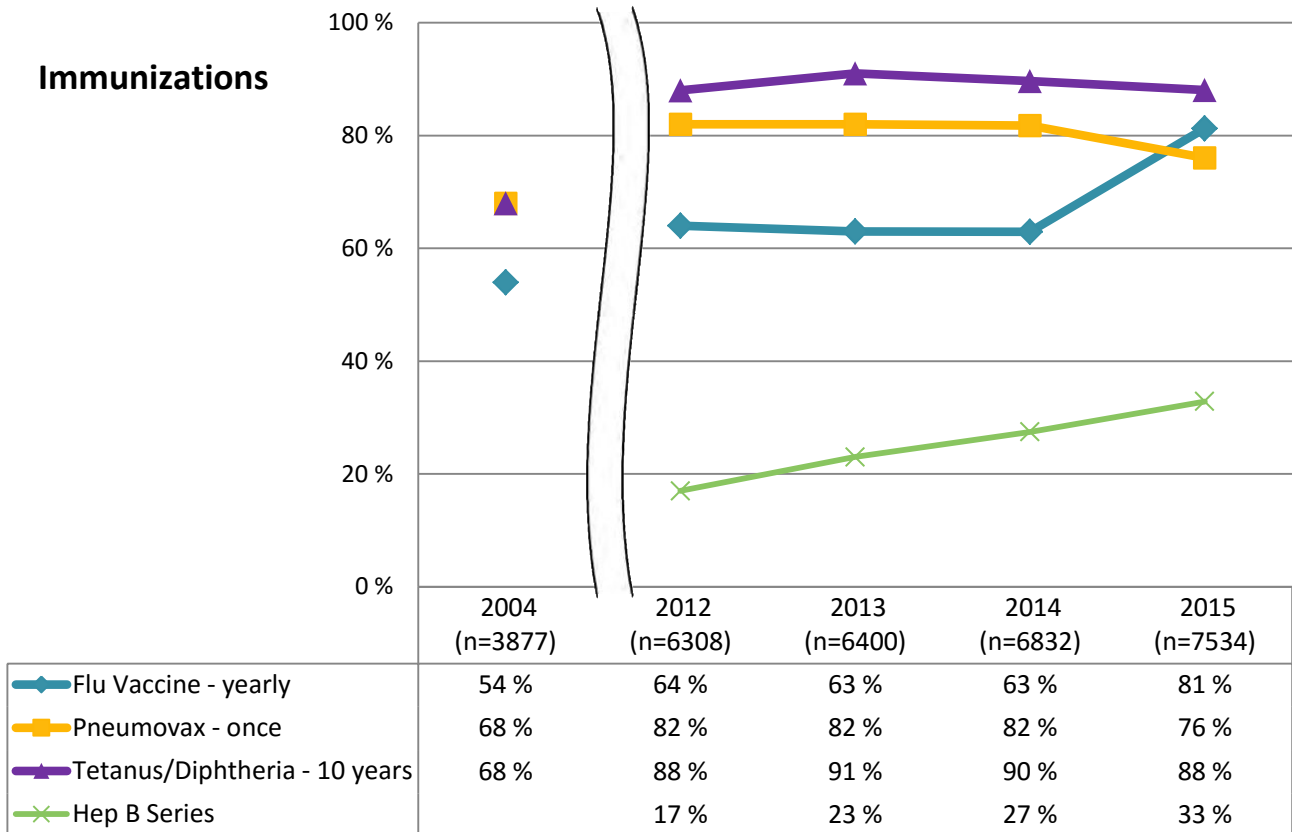|	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Foot Exam	57 %	57 %	56 %	57 %	38 %
Eye Exam	47 %	51 %	55 %	50 %	27 %
Dental Exam	44 %	48 %	47 %	40 %	27 %

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)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Diet education, any provider	51 %	46 %	47 %	50 %	51 %
Diet education, RD only	25 %	20 %	19 %	18 %	12 %
Exercise education	41 %	41 %	53 %	48 %	30 %
Other diabetes education	51 %	58 %	61 %	67 %	36 %
Any of the listed topics		69 %	77 %	78 %	65 %

Diabetes Audit Results, Portland Area, 2004-2015

Immunizations

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Flu Vaccine - yearly	54 %	64 %	63 %	63 %	81 %
Pneumovax - once	68 %	82 %	82 %	82 %	76 %
Tetanus/Diphtheria - 10 years	68 %	88 %	91 %	90 %	88 %
Hep B Series		17 %	23 %	27 %	33 %

Patients diagnosed with Hypertension, CVD

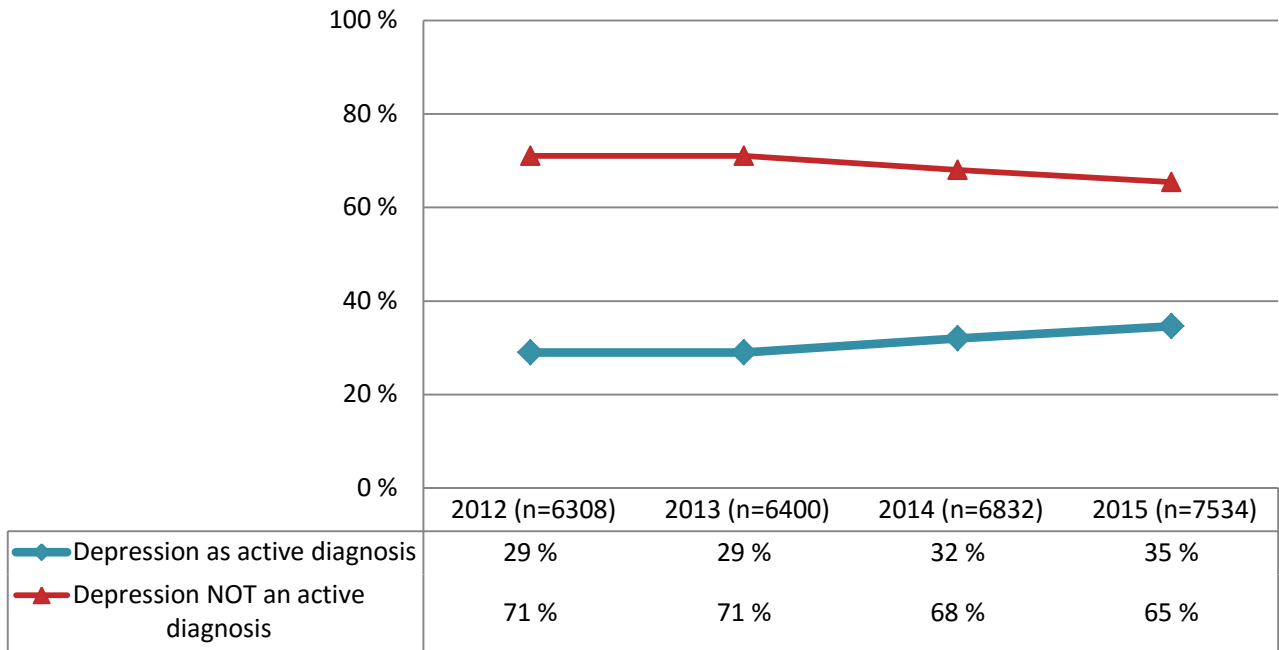|	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Hypertension	67 %	82 %	82 %	75 %	68 %
CVD			33 %	32 %	59 %

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.

Patient has CVD if CVD is found on the problems list or patient had at least two diagnoses ever of CVD.

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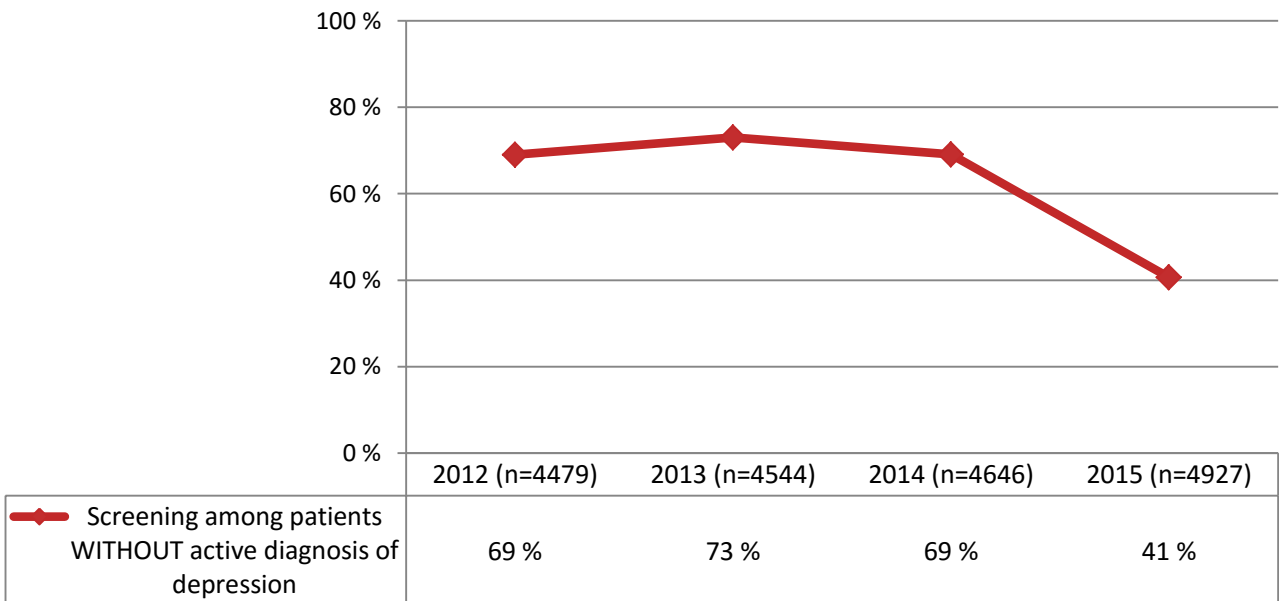
Diagnosed Depression

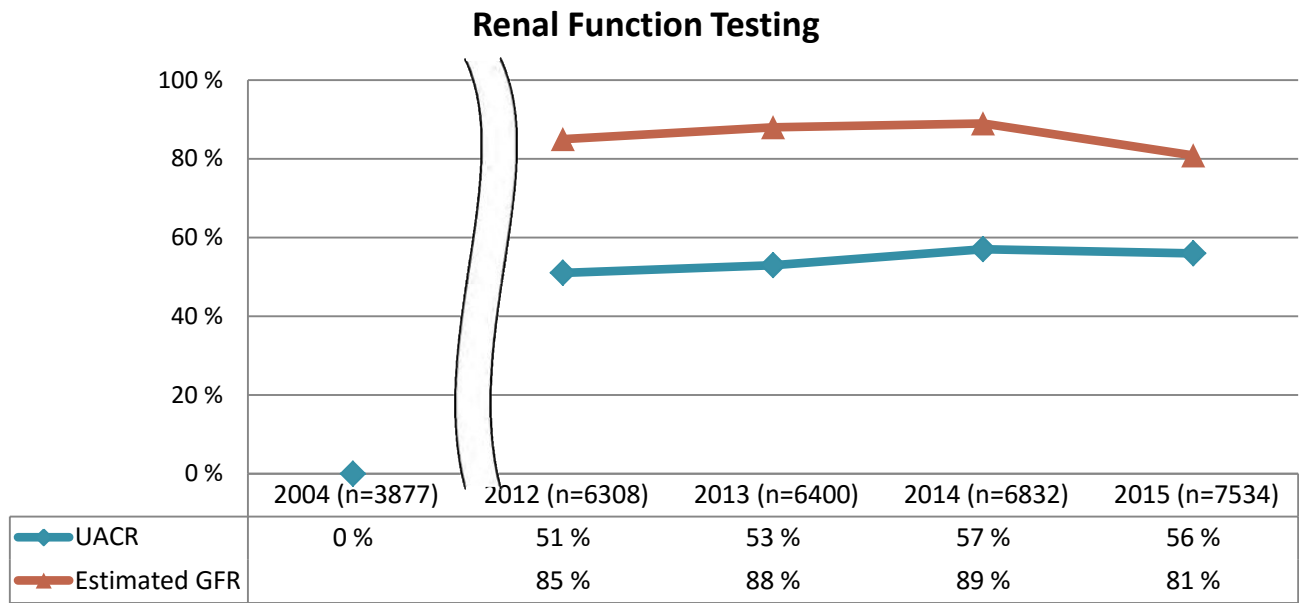|	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Depression as active diagnosis	29 %	29 %	32 %	35 %
Depression NOT an active diagnosis	71 %	71 %	68 %	65 %

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

Depression Screening
among Patients without Active Depression Diagnoses

	2012 (n=4479)	2013 (n=4544)	2014 (n=4646)	2015 (n=4927)
Screening among patients WITHOUT active diagnosis of depression	69 %	73 %	69 %	41 %

Renal Function Testing

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
UACR	0 %	51 %	53 %	57 %	56 %
Estimated GFR		85 %	88 %	89 %	81 %

Urinalysis results before 2014 included what type of urine protein testing was conducted. In 2014, tracking the types of urinalysis was discontinued and replaced by tracking whether the patient has had a urine albumin/creatinine ratio.

Renal Function Testing: Combined Outcome Measures

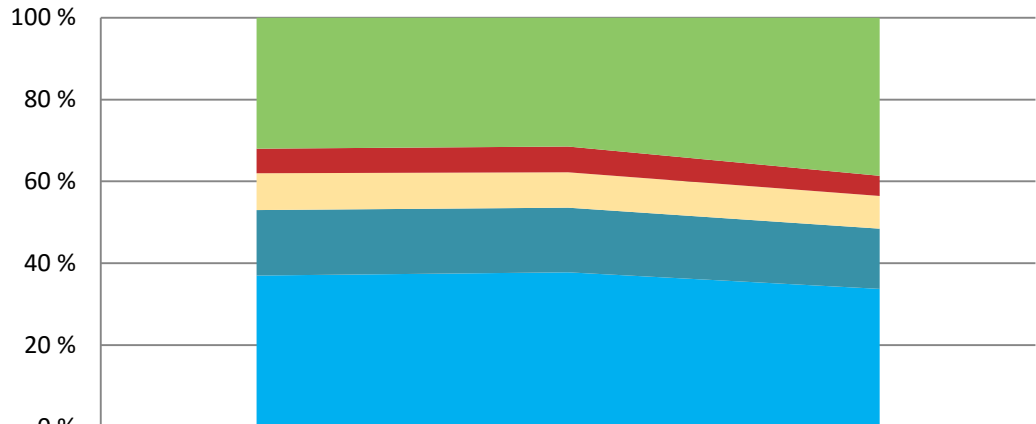|	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Combined eGFR|Quantitative Urine	52 %	55 %	54 %
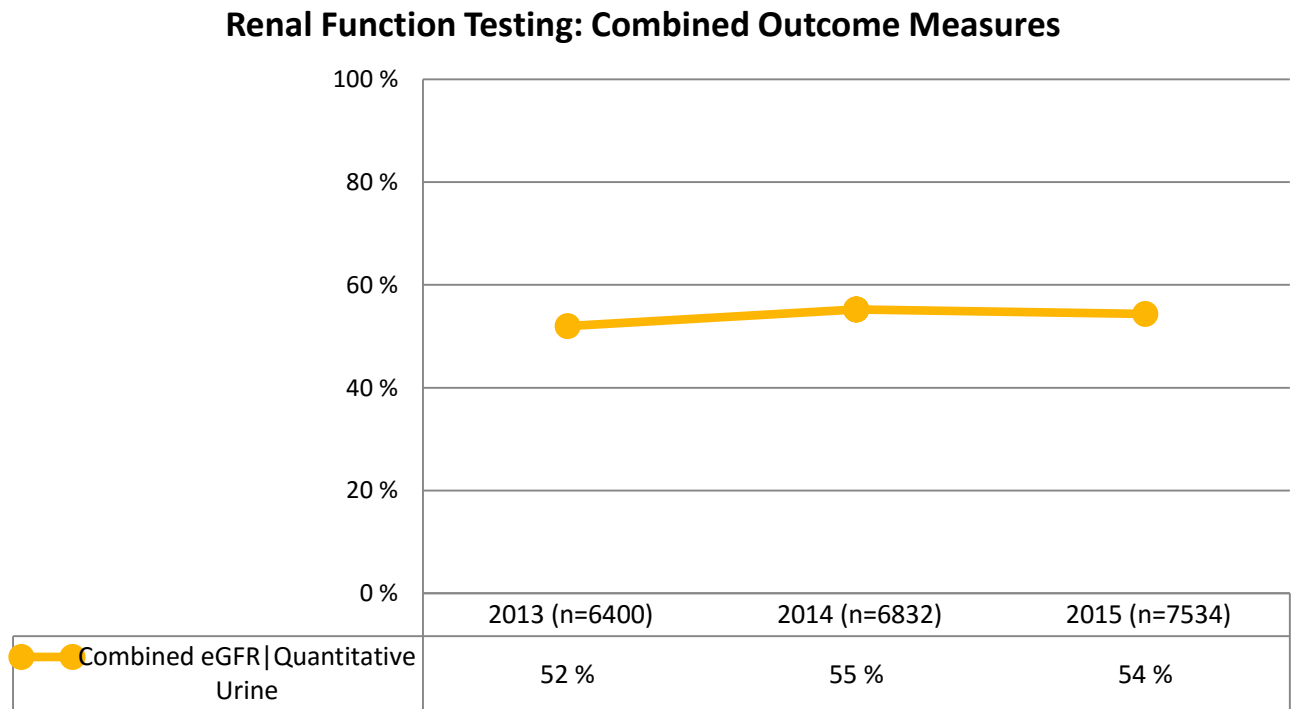
For this measure, these are records with both an eGFR and a quantitative urine protein test.

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

non-HDL Cholesterol

	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Non-HDL no test or result	32 %	31 %	39 %
Non-HDL >190	6 %	6 %	5 %
Non-HDL 160-190	9 %	9 %	8 %
Non-HDL 130-159	16 %	16 %	15 %
Non-HDL <130	37 %	38 %	34 %

Average non-HDL Cholesterol

	2013 (n=4328)	2014 (n=4631)	2015 (n=5292)
Mean non-HDL cholesterol	130.58	129.80	129.78
Standard error	0.64	1.29	1.76
95% CI upper limit	131.839	132.321	133.242
95% CI lower limit	129.325	127.276	126.324

HDL Cholesterol (Females)

	2013 (n=3456)	2014 (n=3736)	2015 (n=4221)
■ HDL no result or not tested	34 %	33 %	38 %
■ HDL >50 (females)	23 %	24 %	24 %
■ HDL ≤50 (females)	44 %	43 %	38 %

HDL Cholesterol (Males)

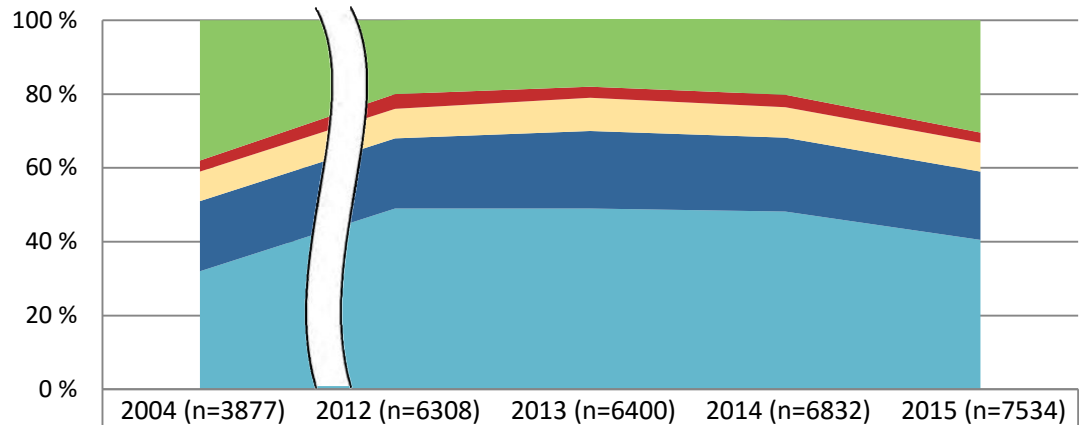|	2013 (n=2944)	2014 (n=3096)	2015 (n=3313)
■ HDL no result or not tested	31 %	30 %	39 %
■ HDL >40 (males)	34 %	35 %	33 %
■ HDL ≤40 (males)	35 %	35 %	28 %
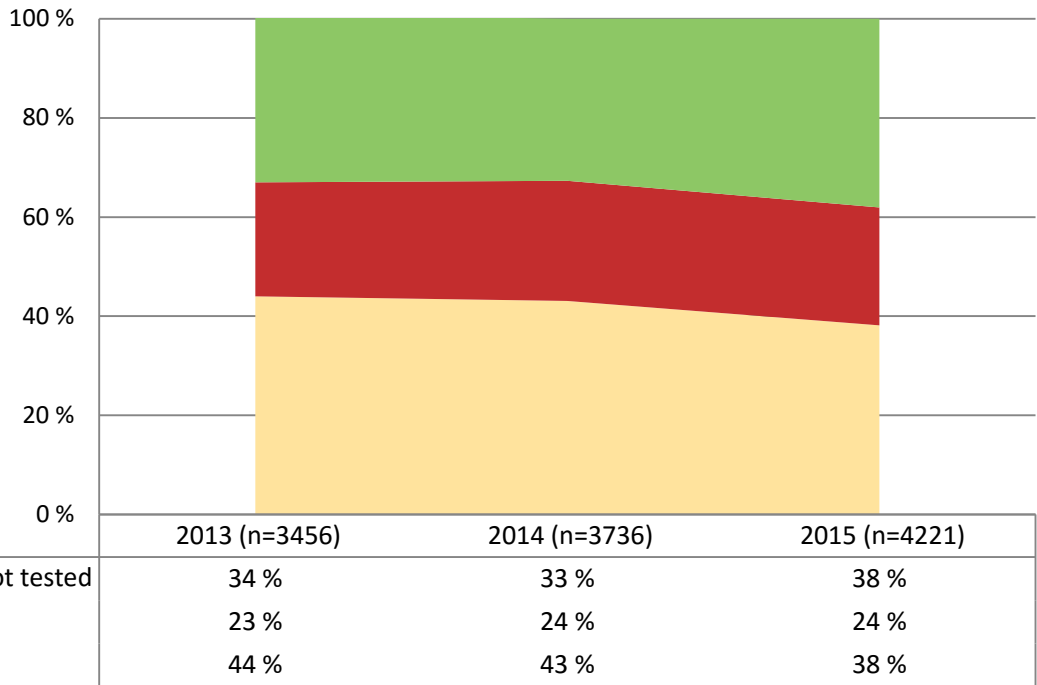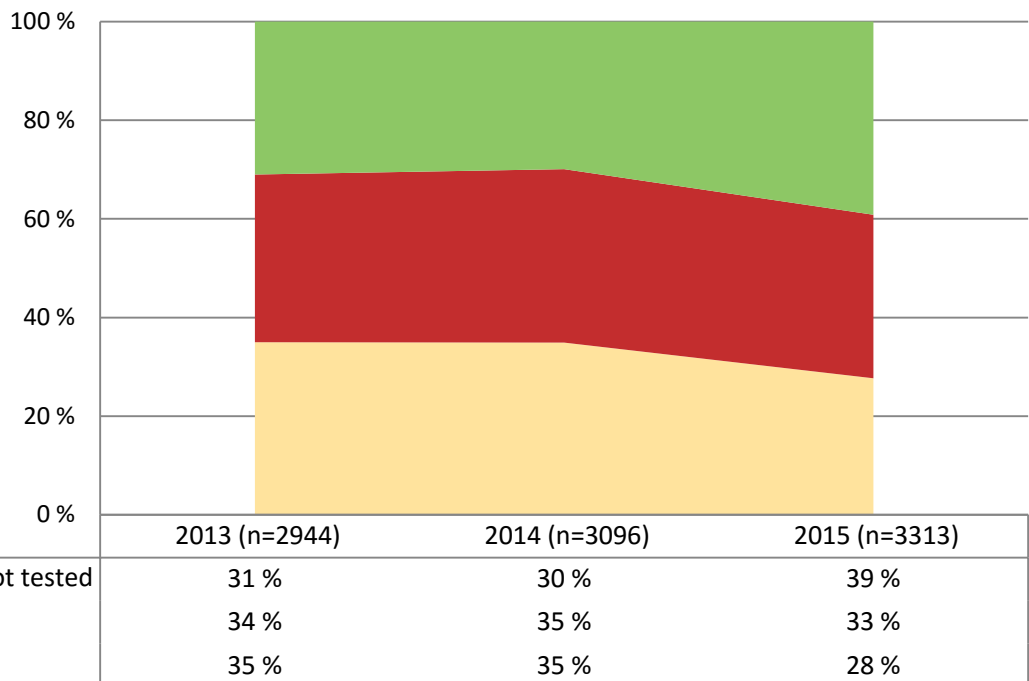
A blank indicates a category not reported on in a given year; FY = Fiscal Year, the year in which data were submitted.

Low-Density Lipoprotein (LDL) Cholesterol
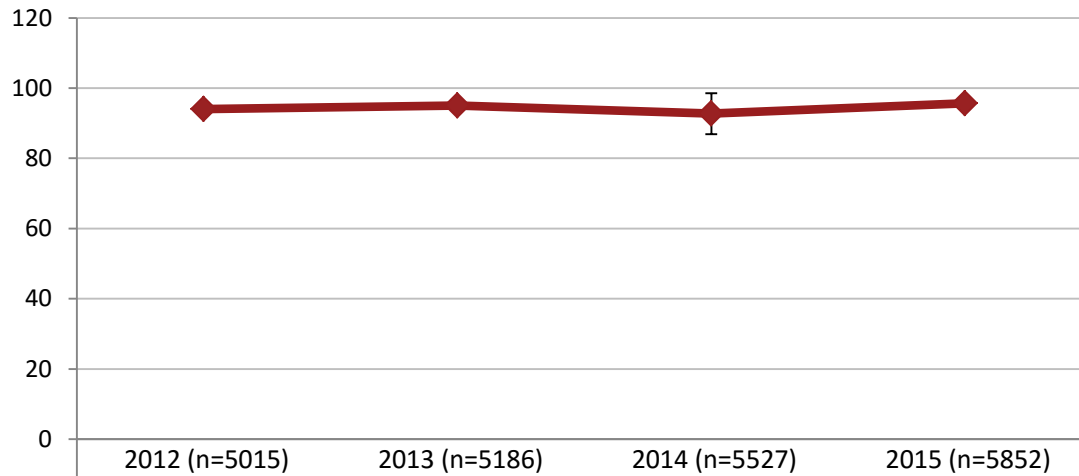
	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Not tested	38 %	20 %	19 %	20 %	30 %
LDL >160	3 %	4 %	3 %	3 %	3 %
LDL 130-160 mg/dl	8 %	8 %	9 %	8 %	8 %
LDL 100-129 mg/dl	19 %	19 %	21 %	20 %	18 %
Desirable (<100 mg/dl)	32 %	49 %	49 %	48 %	40 %

Average LDL Cholesterol

	2012 (n=5015)	2013 (n=5186)	2014 (n=5527)	2015 (n=5852)
Mean LDL	94.05	95.04	92.75	95.66
Standard error	0.49	0.47	2.98	1.31
95% CI upper limit	95.004	95.955	98.597	98.220
95% CI lower limit	93.100	94.126	86.902	93.097

Diabetes Audit Results, Portland Area, 2004-2015

Triglycerides

	2004 (n=3877)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
■ Not tested	34 %	27 %	27 %	28 %	34 %
■ TG ≤400 mg/dl	58 %	66 %	67 %	66 %	60 %
■ TG >400 mg/dl	7 %	6 %	6 %	6 %	6 %
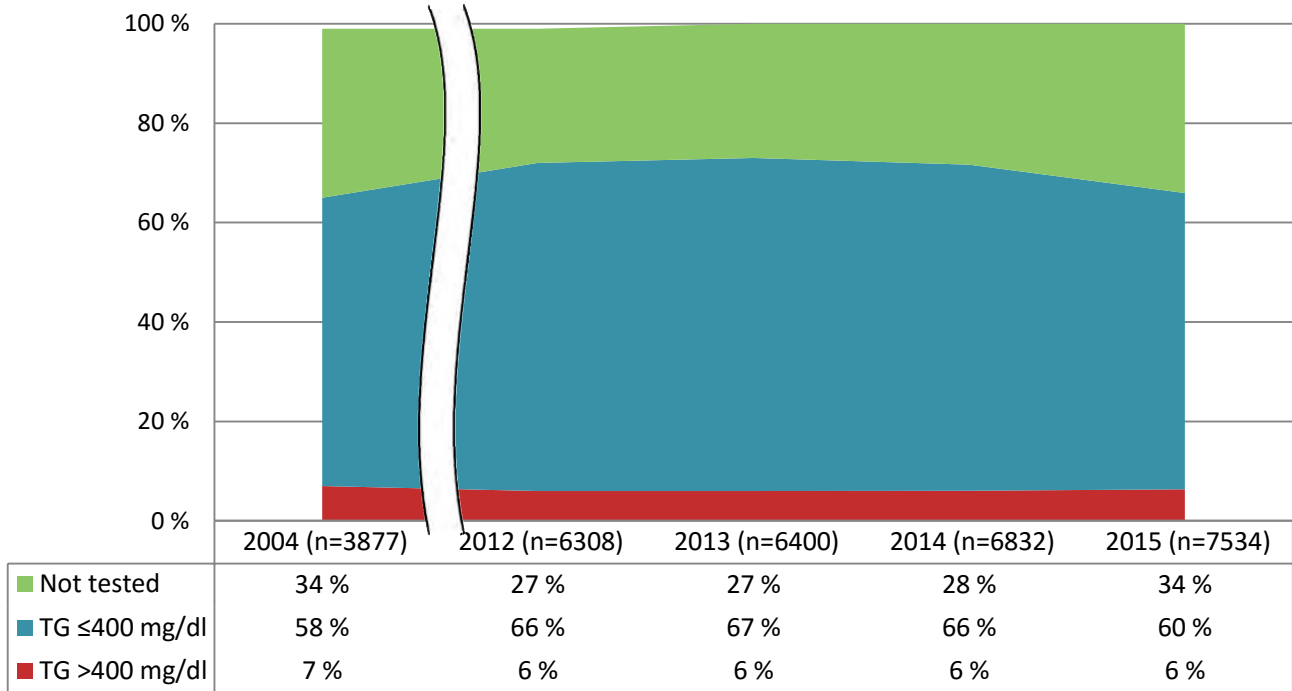
Average Triglyceride Levels
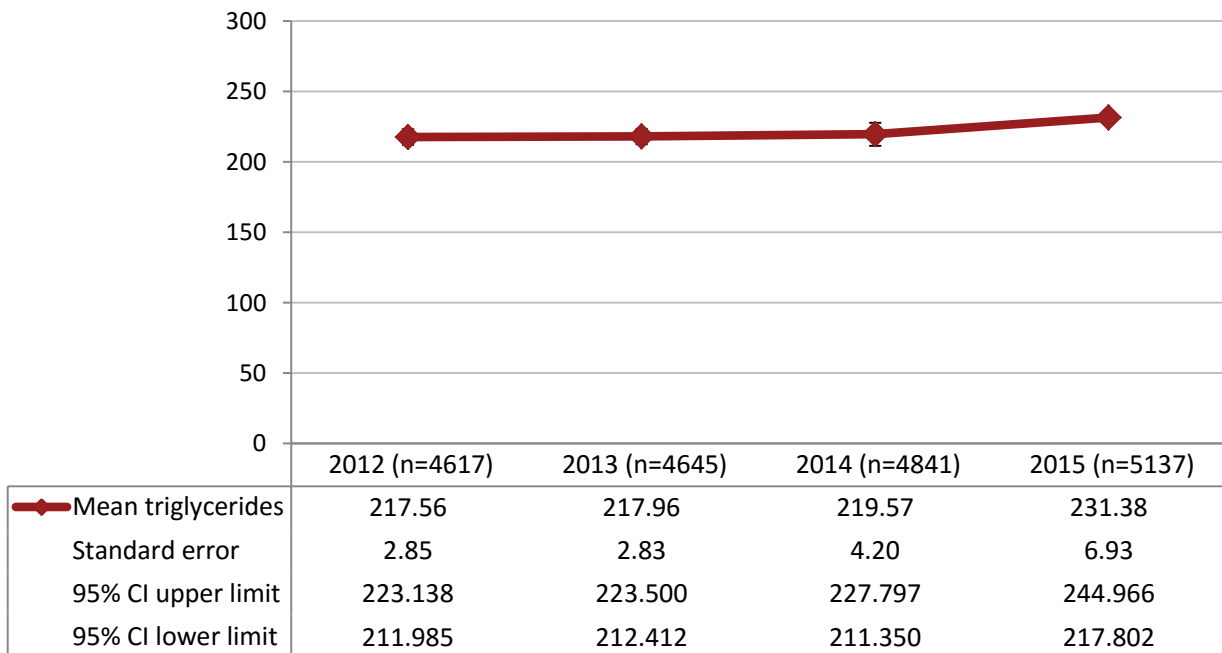
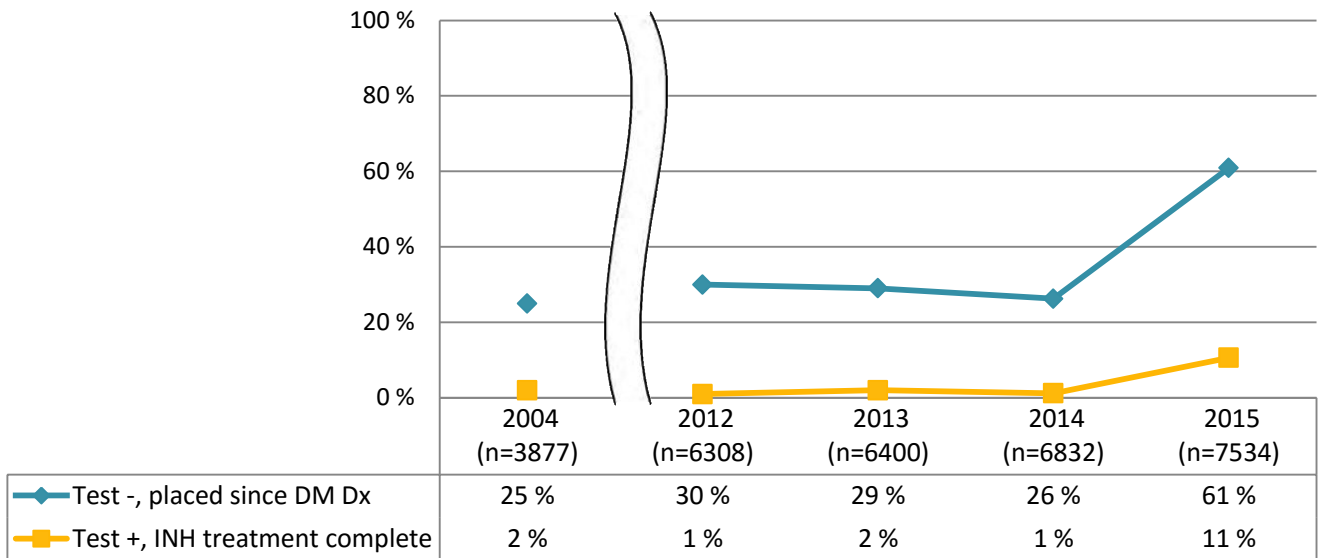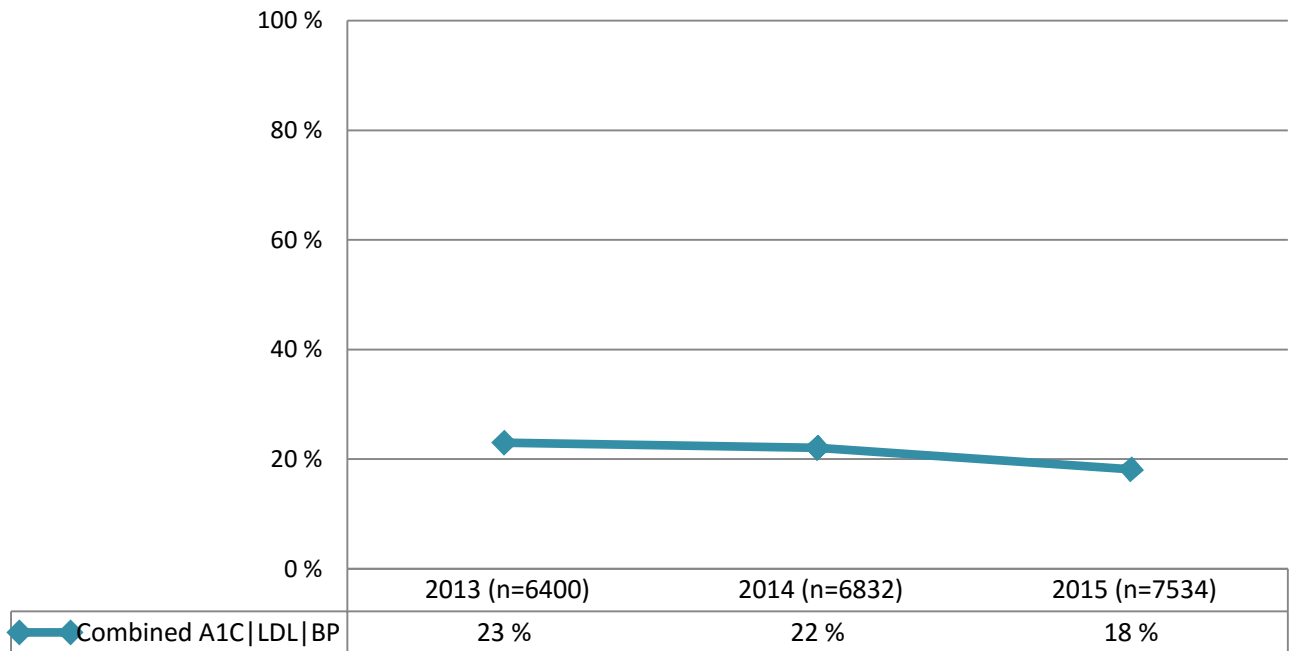|	2012 (n=4617)	2013 (n=4645)	2014 (n=4841)	2015 (n=5137)
◆ Mean triglycerides	217.56	217.96	219.57	231.38
Standard error	2.85	2.83	4.20	6.93
95% CI upper limit	223.138	223.500	227.797	244.966
95% CI lower limit	211.985	212.412	211.350	217.802

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)	2012 (n=6308)	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Test -, placed since DM Dx	25 %	30 %	29 %	26 %	61 %
Test +, INH treatment complete	2 %	1 %	2 %	1 %	11 %

Pilot Element: Combined Outcome Measure

	2013 (n=6400)	2014 (n=6832)	2015 (n=7534)
Combined A1C|LDL|BP	23 %	22 %	18 %

For this measure, the following criteria have been met: Hemoglobin A1c < 8.0, LDL < 100, BP <140/<90.

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

Portland Area (n=7534 patients)

7534 sampled from 8021 active patients with diabetes (94%)
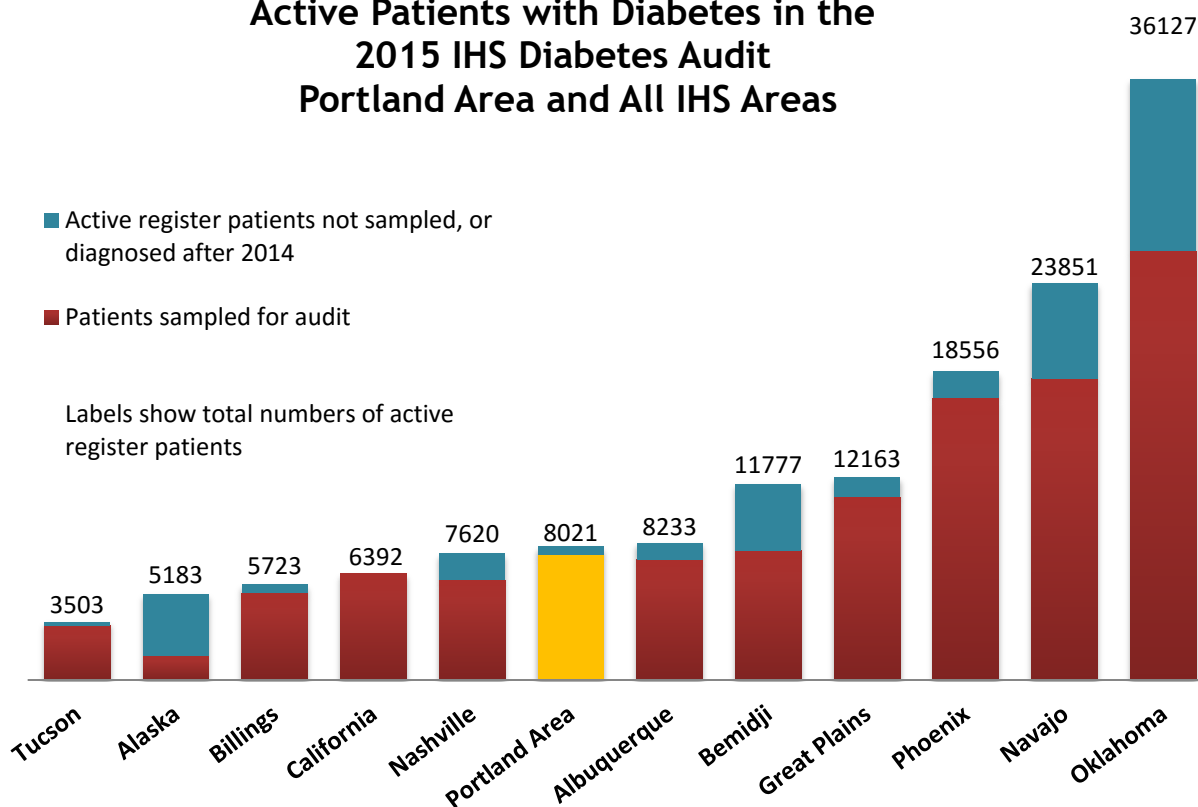
All IHS (n=7534 patients)

116743 sampled from 154949 active patients with diabetes (84%)

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 2015 IHS Diabetes Audit Portland Area and All IHS Areas

- ■ Active register patients not sampled, or diagnosed after 2014
- ■ Patients sampled for audit

Labels show total numbers of active register patients

Tucson 3503, Alaska 5183, Billings 5723, California 6392, Nashville 7620, Portland Area 8021, Albuquerque 8233, Bemidji 11777, Great Plains 12163, Phoenix 18556, Navajo 23851, Oklahoma 36127

*The Audit performed in 2015 covers services delivered in 2014

2015 Diabetes Audit: Dates of Service Calendar Year 2014

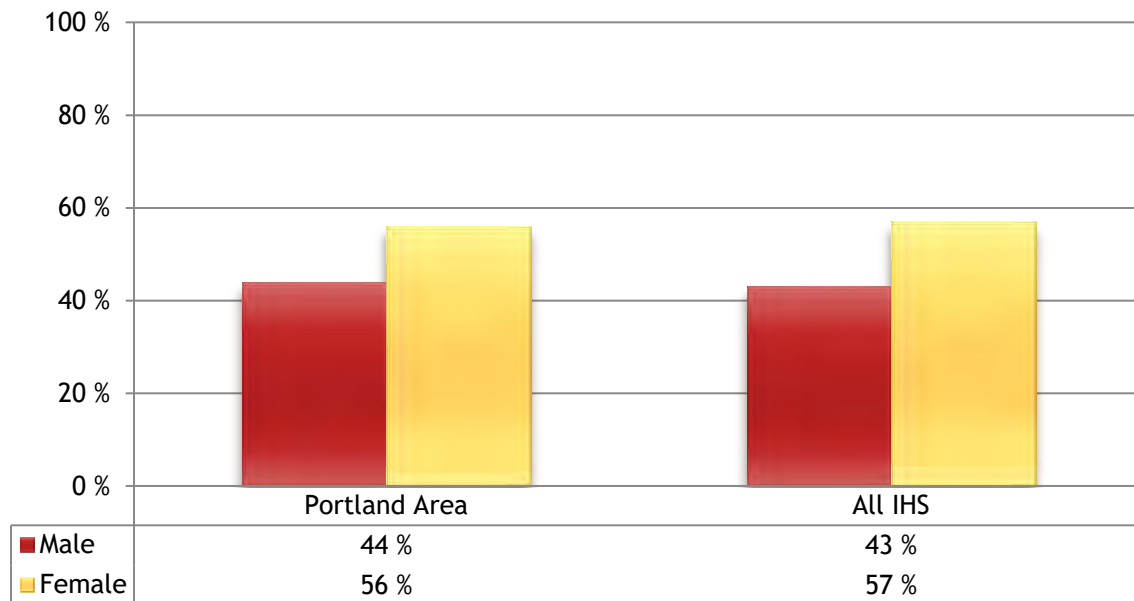**This information is for the following groups:**

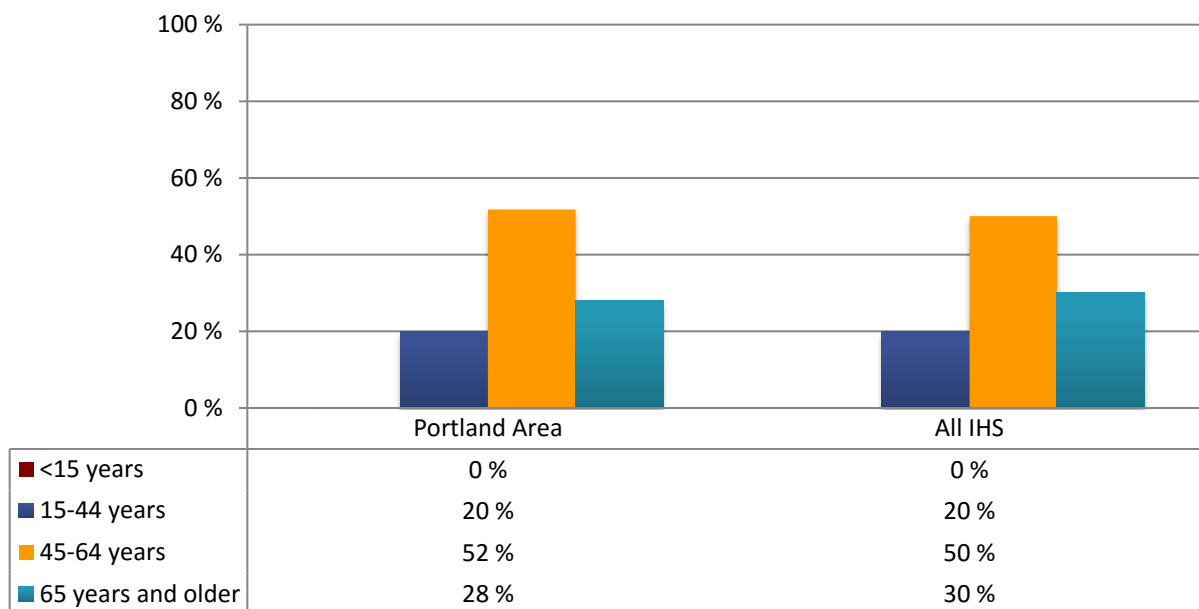**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

Gender of Patients with Diabetes

	Portland Area	All IHS
■ Male	44 %	43 %
■ Female	56 %	57 %

Age Distribution of Patients with Diabetes

	Portland Area	All IHS
■ <15 years	0 %	0 %
■ 15-44 years	20 %	20 %
■ 45-64 years	52 %	50 %
■ 65 years and older	28 %	30 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

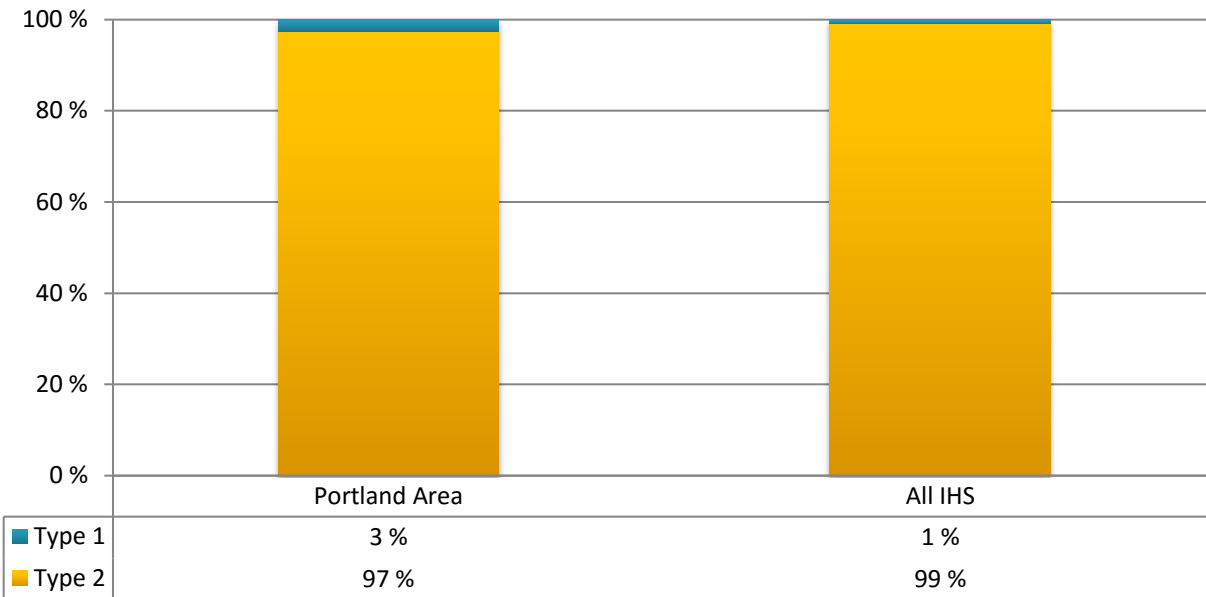**This information is for the following groups:**

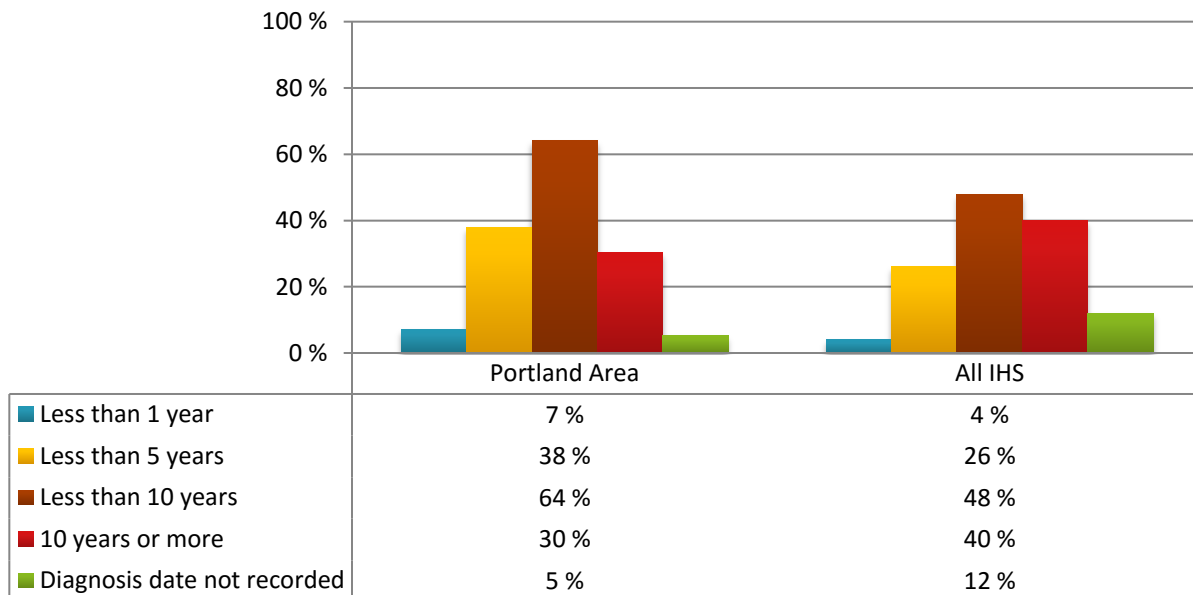**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

Type of Diabetes Diagnosed

	Portland Area	All IHS
■ Type 1	3 %	1 %
■ Type 2	97 %	99 %

Duration of Diabetes

	Portland Area	All IHS
■ Less than 1 year	7 %	4 %
■ Less than 5 years	38 %	26 %
■ Less than 10 years	64 %	48 %
■ 10 years or more	30 %	40 %
■ Diagnosis date not recorded	5 %	12 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

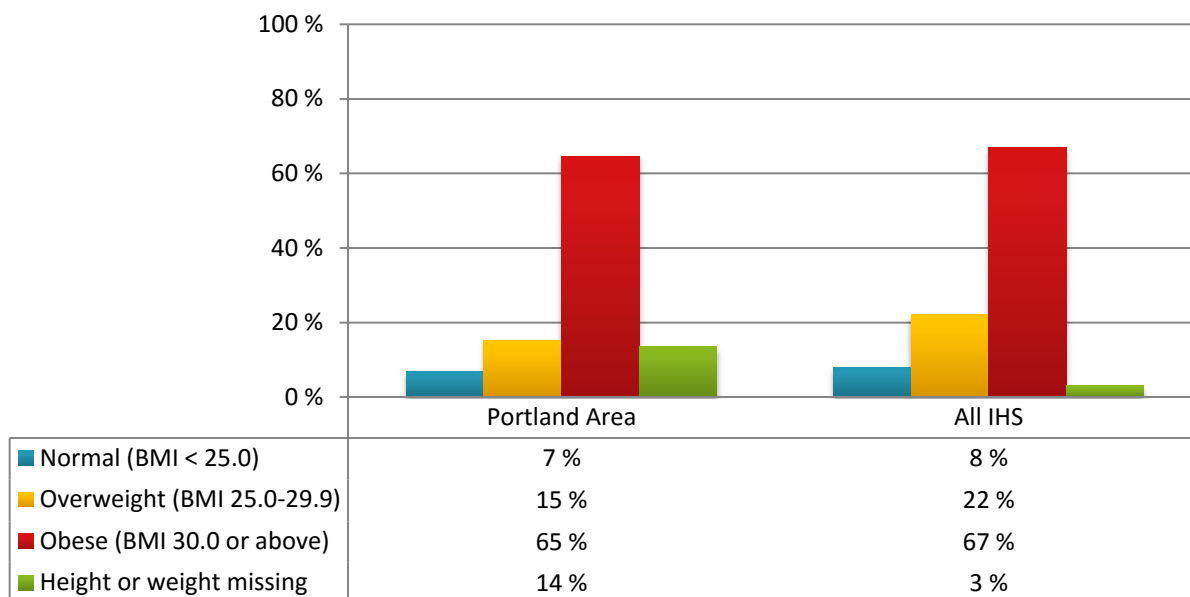**This information is for the following groups:**

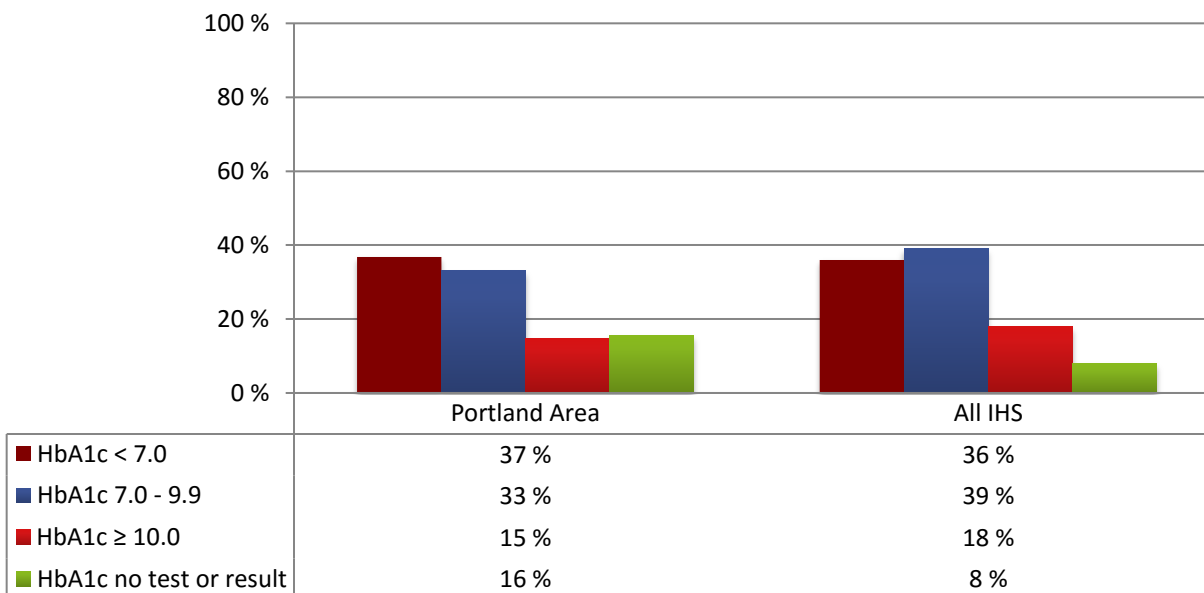**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

Weight (Body Mass Index)

	Portland Area	All IHS
■ Normal (BMI < 25.0)	7 %	8 %
■ Overweight (BMI 25.0-29.9)	15 %	22 %
■ Obese (BMI 30.0 or above)	65 %	67 %
■ Height or weight missing	14 %	3 %

Hemoglobin A1C

	Portland Area	All IHS
■ HbA1c < 7.0	37 %	36 %
■ HbA1c 7.0 - 9.9	33 %	39 %
■ HbA1c ≥ 10.0	15 %	18 %
■ HbA1c no test or result	16 %	8 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

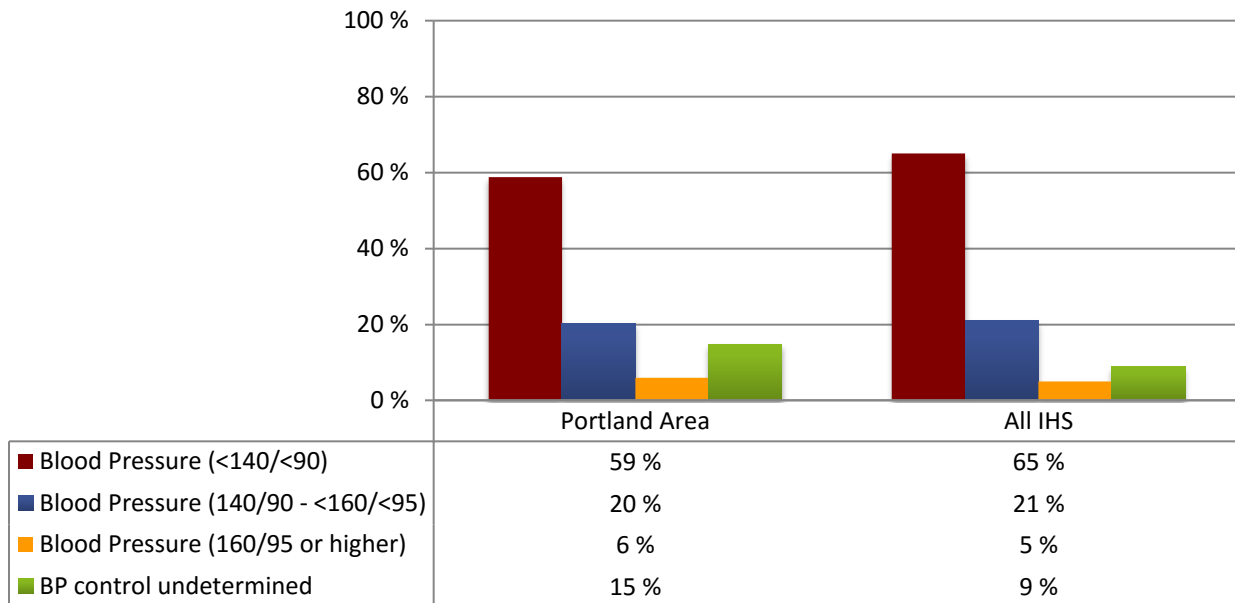**This information is for the following groups:**

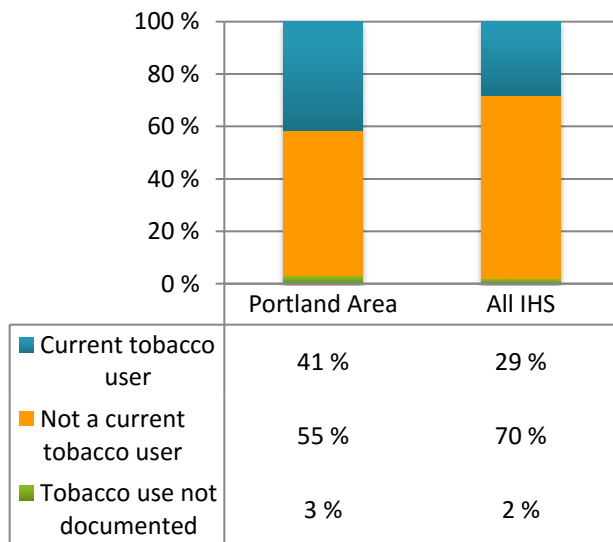**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

Blood Pressure

	Portland Area	All IHS
■ Blood Pressure (<140/<90)	59 %	65 %
■ Blood Pressure (140/90 - <160/<95)	20 %	21 %
■ Blood Pressure (160/95 or higher)	6 %	5 %
■ BP control undetermined	15 %	9 %

Tobacco Use

	Portland Area	All IHS
■ Current tobacco user	41 %	29 %
■ Not a current tobacco user	55 %	70 %
■ Tobacco use not documented	3 %	2 %

Tobacco Cessation Counseling for Current Tobacco Users

	Portland Area (n=3123 Patients)	All IHS (n=2185 Patients)
■ Counseled - Yes	40 %	62 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

Portland Area (n=7534 patients)   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)
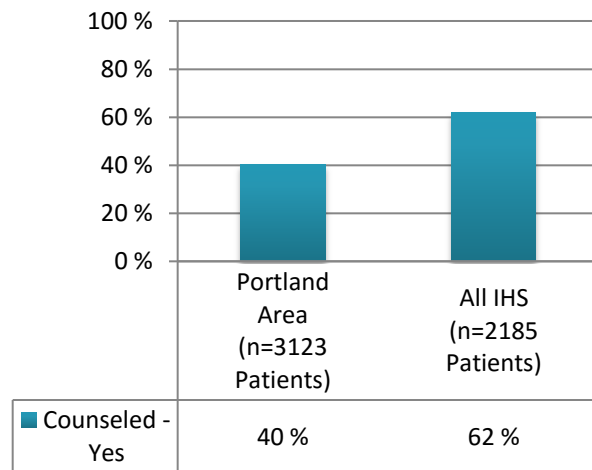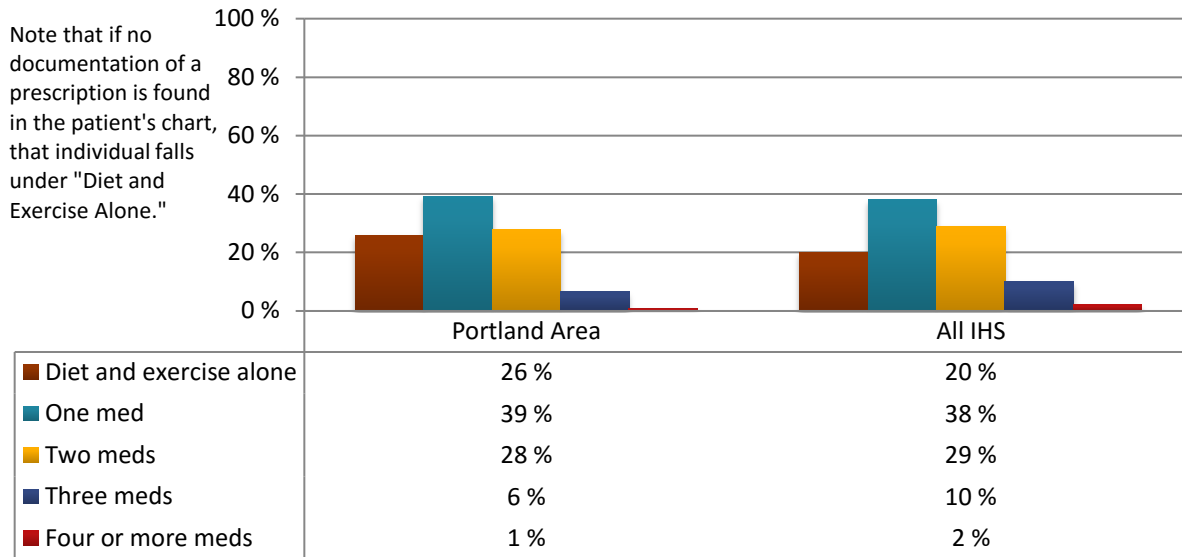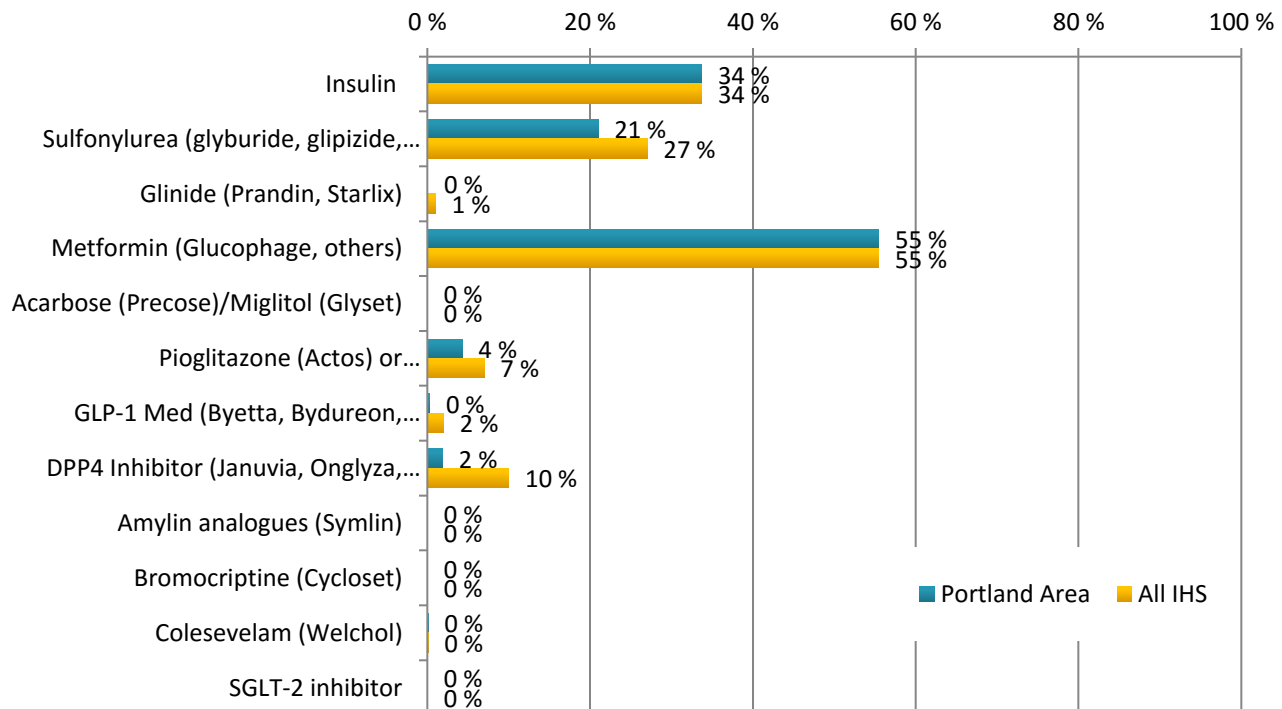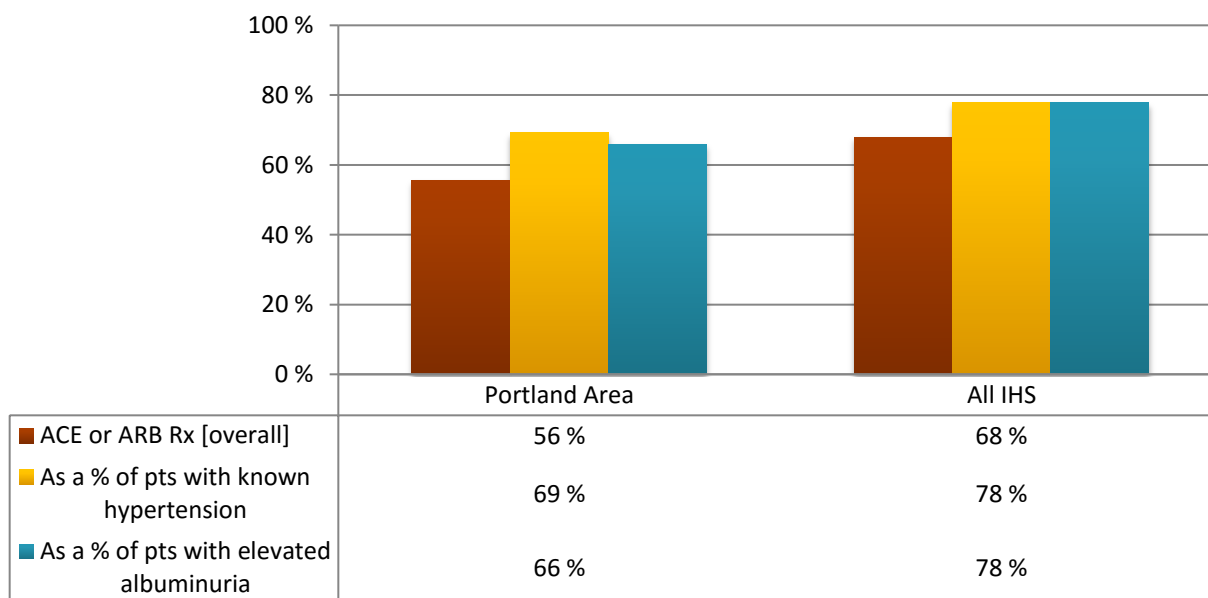
Patients with Diabetes-Related Prescriptions

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	26 %	20 %
■ One med	39 %	38 %
■ Two meds	28 %	29 %
■ Three meds	6 %	10 %
■ Four or more meds	1 %	2 %

Diabetes Medications, Alone or in Combination

Medication	Portland Area	All IHS
Insulin	34 %	34 %
Sulfonylurea (glyburide, glipizide,…	21 %	27 %
Glinide (Prandin, Starlix)	0 %	1 %
Metformin (Glucophage, others)	55 %	55 %
Acarbose (Precose)/Miglitol (Glyset)	0 %	0 %
Pioglitazone (Actos) or…	4 %	7 %
GLP-1 Med (Byetta, Bydureon,…	0 %	2 %
DPP4 Inhibitor (Januvia, Onglyza,…	2 %	10 %
Amylin analogues (Symlin)	0 %	0 %
Bromocriptine (Cycloset)	0 %	0 %
Colesevelam (Welchol)	0 %	0 %
SGLT-2 inhibitor	0 %	0 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

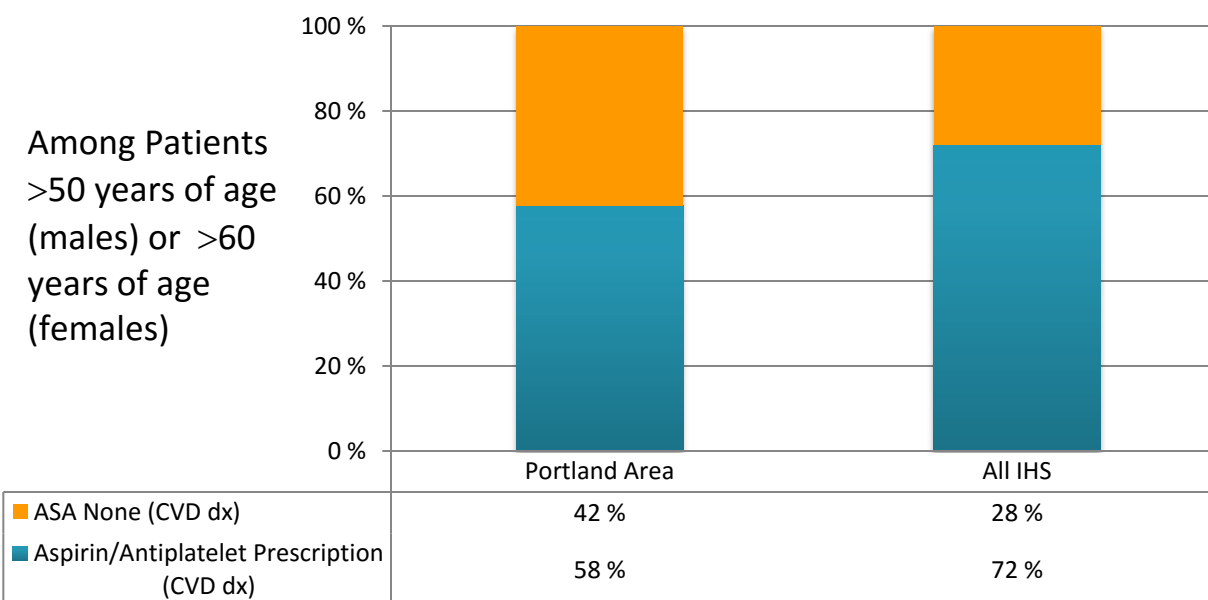| Portland Area (n=7534 patients)	All IHS (n=7534 patients)
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

Ace Inhibitor (or ARB) Prescriptions

	Portland Area	All IHS
■ ACE or ARB Rx [overall]	56 %	68 %
■ As a % of pts with known hypertension	69 %	78 %
■ As a % of pts with elevated albuminuria	66 %	78 %

Anti-Platelet Therapy

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

	Portland Area	All IHS
■ ASA None (CVD dx)	42 %	28 %
■ Aspirin/Antiplatelet Prescription (CVD dx)	58 %	72 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

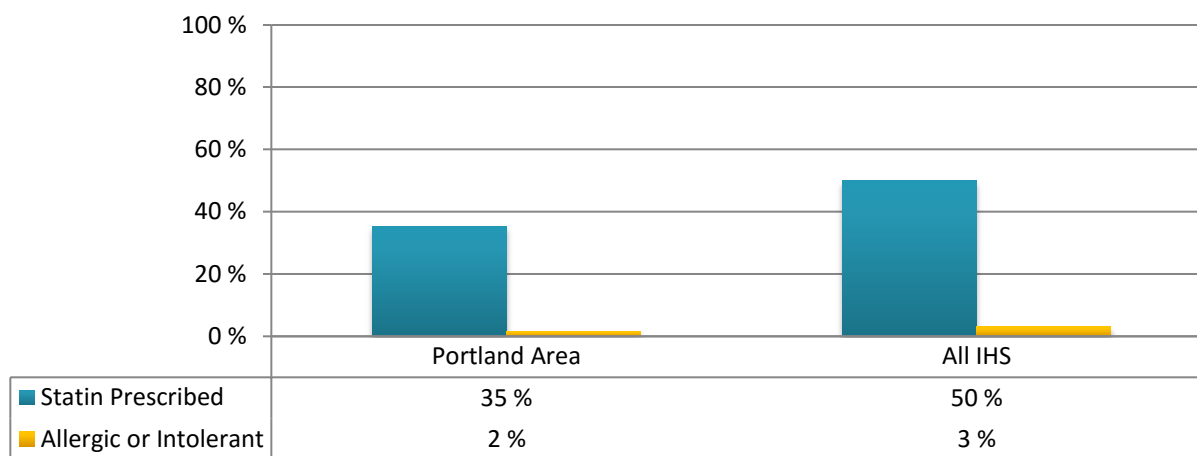**This information is for the following groups:**

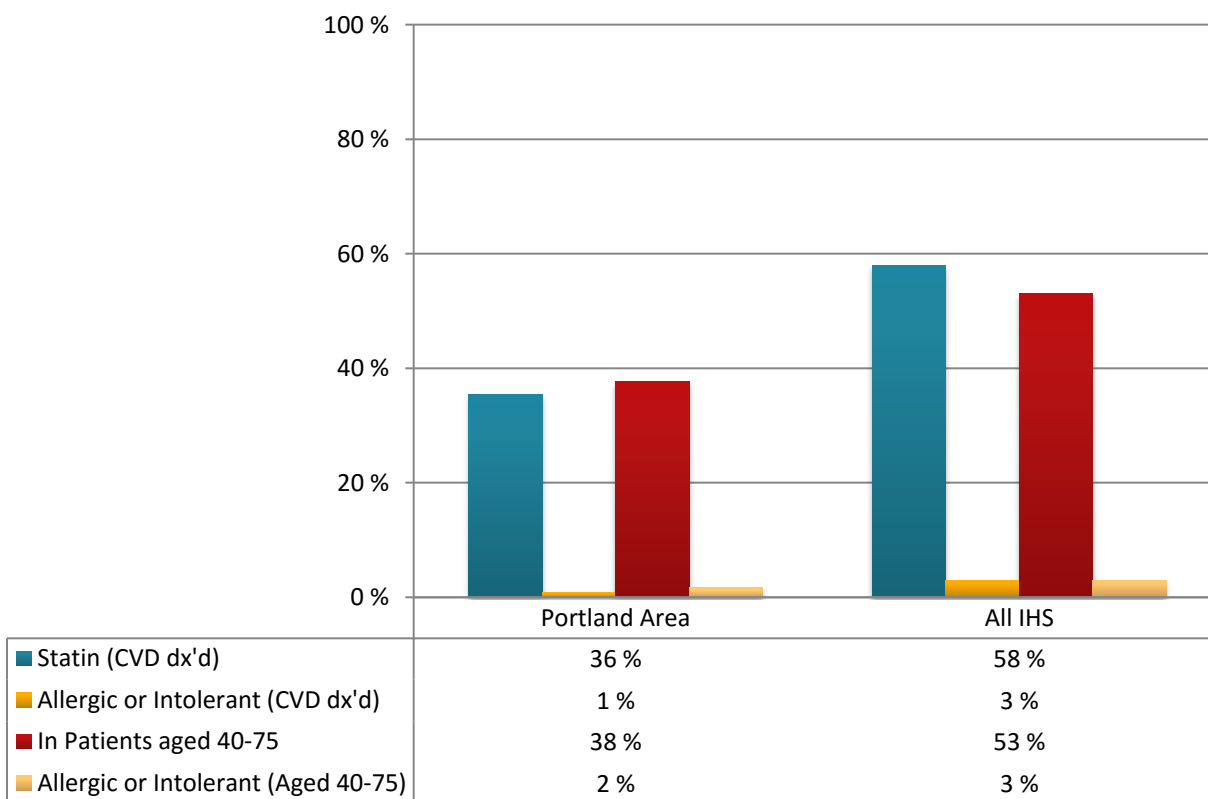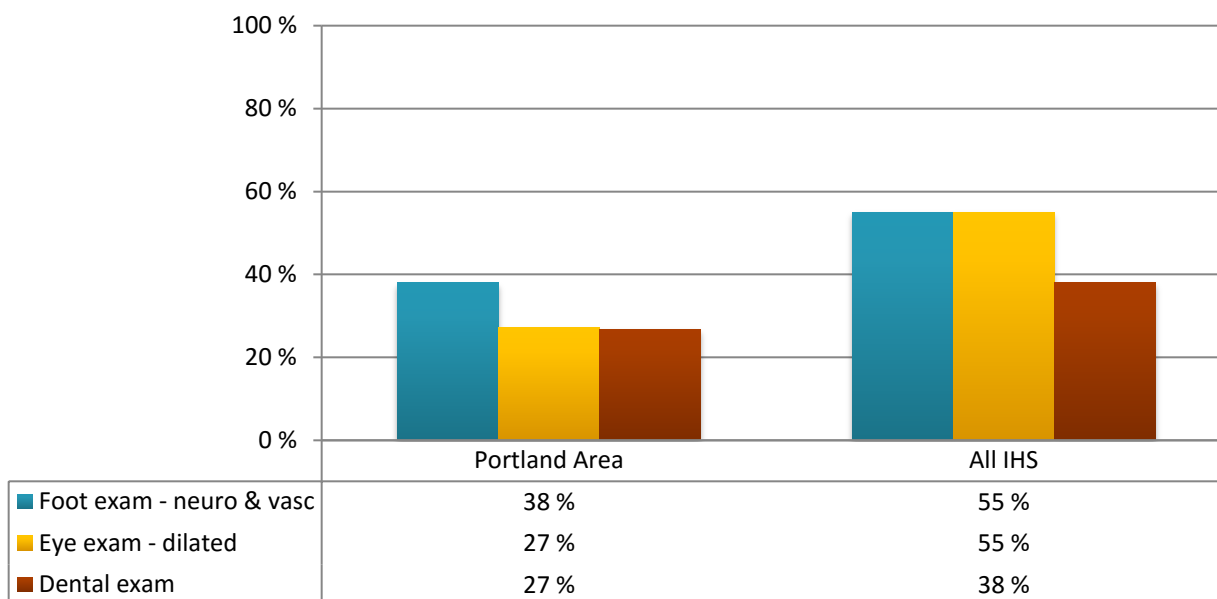**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

Statin Prescribed

	Portland Area	All IHS
■ Statin Prescribed	35 %	50 %
■ Allergic or Intolerant	2 %	3 %

Statin Use in Patients dx'd with CVD and Patients aged 40-75

	Portland Area	All IHS
■ Statin (CVD dx'd)	36 %	58 %
■ Allergic or Intolerant (CVD dx'd)	1 %	3 %
■ In Patients aged 40-75	38 %	53 %
■ Allergic or Intolerant (Aged 40-75)	2 %	3 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

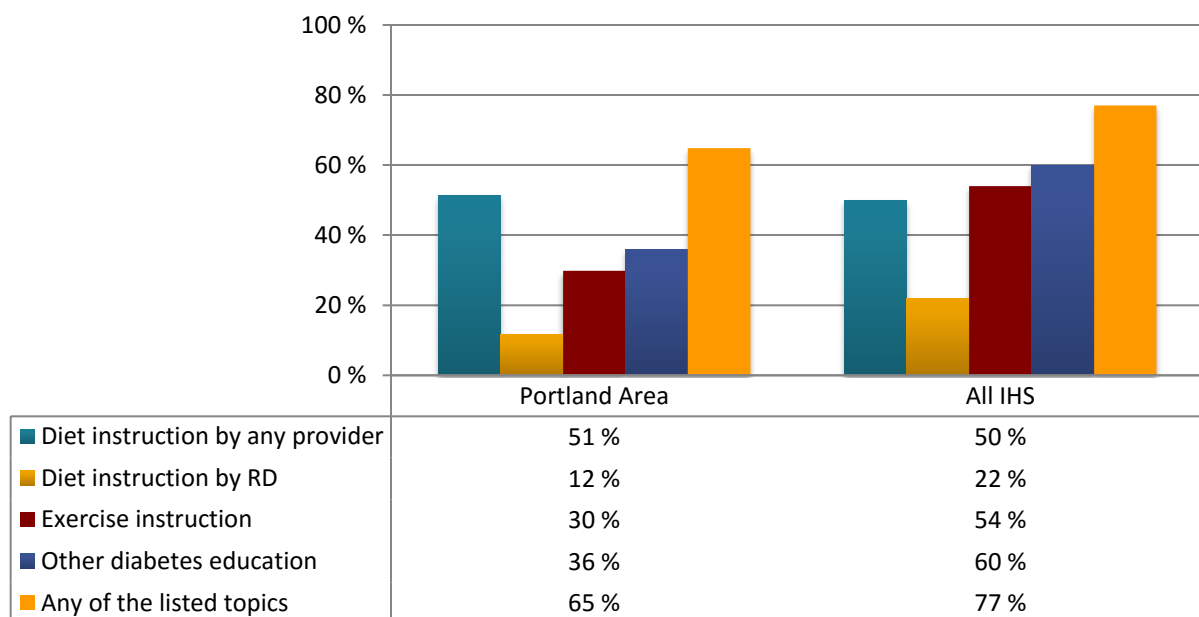| Portland Area (n=7534 patients)	All IHS (n=7534 patients)
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

Yearly Exams

	Portland Area	All IHS
Foot exam - neuro & vasc	38 %	55 %
Eye exam - dilated	27 %	55 %
Dental exam	27 %	38 %

Yearly Diabetes Education

	Portland Area	All IHS
Diet instruction by any provider	51 %	50 %
Diet instruction by RD	12 %	22 %
Exercise instruction	30 %	54 %
Other diabetes education	36 %	60 %
Any of the listed topics	65 %	77 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014
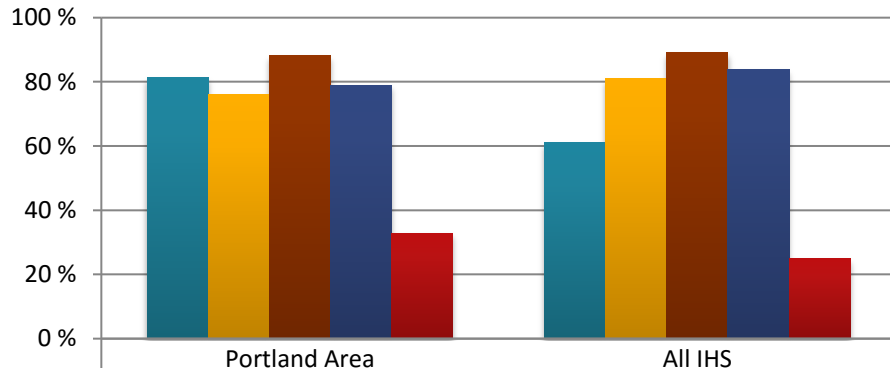
This information is for the following groups:

Portland Area (n=7534 patients) | **All IHS (n=7534 patients)**

7534 sampled from 8021 active patients with diabetes (94%) | 116743 sampled from 154949 active patients with diabetes (84%)

Immunizations

	Portland Area	All IHS
■ Flu Vaccine - yearly	81 %	61 %
■ Pneumovax - once	76 %	81 %
■ Tetanus/Diphtheria (q 10 yrs)	88 %	89 %
■ Td/Tdap ever	79 %	84 %
■ Hepatitus B series ever/not immune	33 %	25 %

Portland Area
Flu Vaccine refused: 3.99454082344686%
Pneumovax refused: 2.45300677939044%
Tetanus/Diphtheria refused: 0.872862338579139%
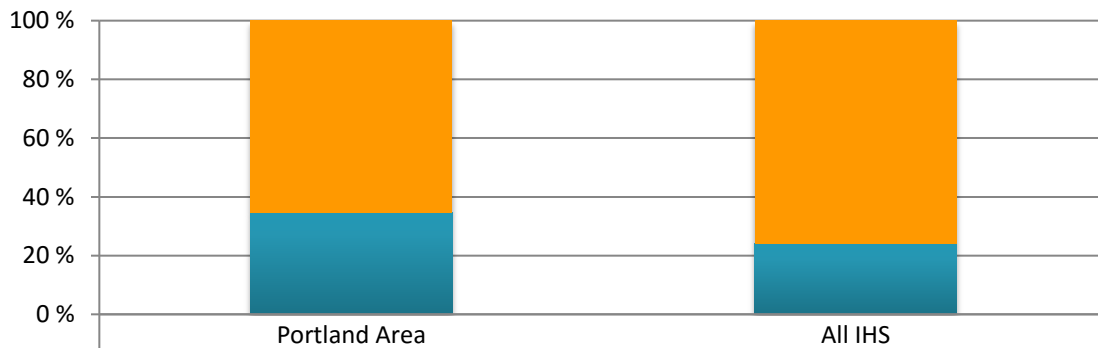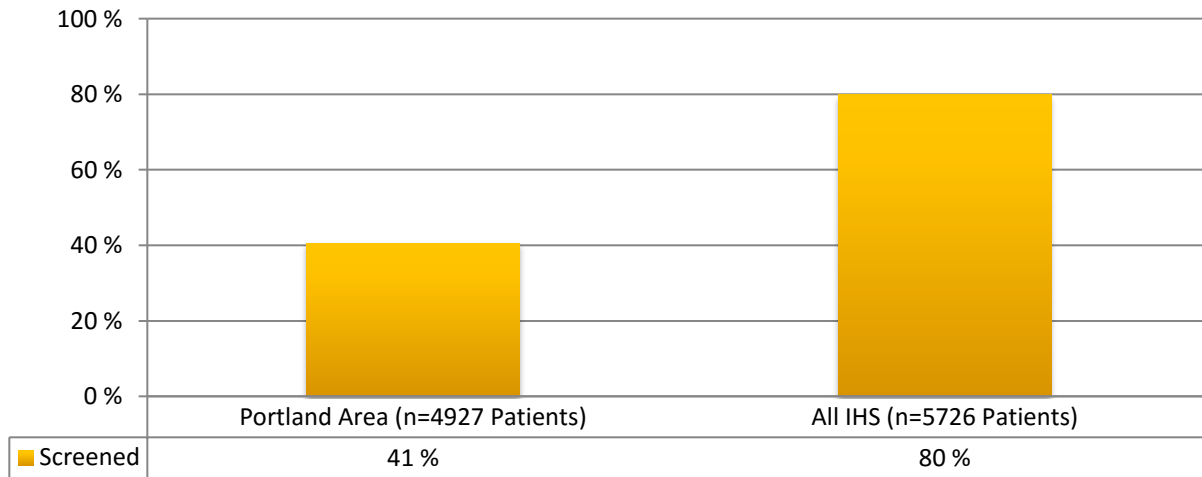Hepatitus B series refused/not immune: 1.21735794578

All IHS
Flu Vaccine refused: 8%
Pneumovax refused: 4%
Tetanus/Diphtheria refused: 1%
Hepatitus B series refused/not immune: 2%

Depression Identified as Active Diagnosis

	Portland Area	All IHS
■ Depression No	65 %	76 %
■ Depression Yes	35 %	24 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

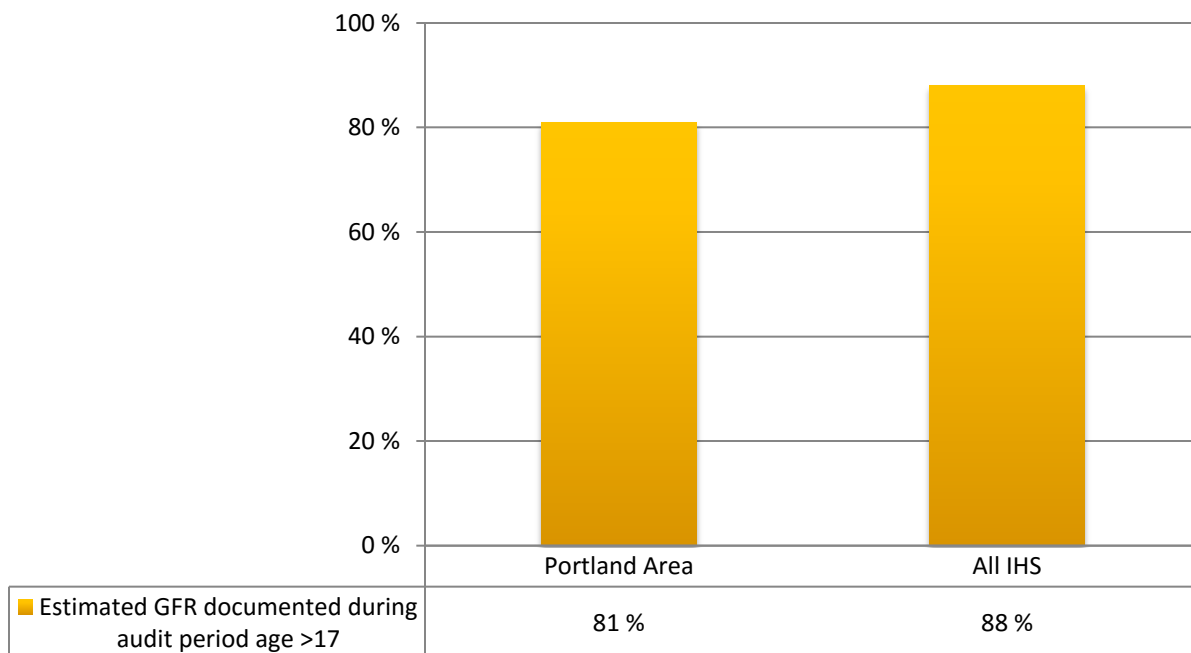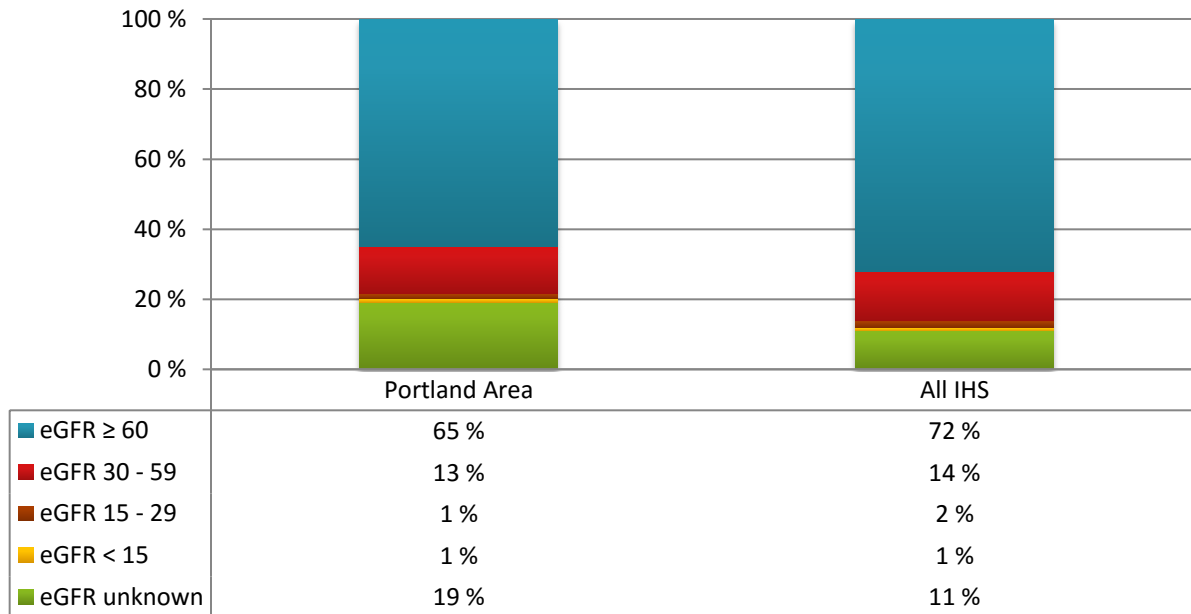| Portland Area (n=7534 patients)	All IHS (n=7534 patients)
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

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

	Portland Area (n=4927 Patients)	All IHS (n=5726 Patients)
Screened	41 %	80 %

Estimated GFR Testing

	Portland Area	All IHS
Estimated GFR documented during audit period age >17	81 %	88 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

Portland Area (n=7534 patients)

7534 sampled from 8021 active patients with diabetes (94%)

All IHS (n=7534 patients)

116743 sampled from 154949 active patients with diabetes (84%)

Estimated GFR results

	Portland Area	All IHS
■ eGFR ≥ 60	65 %	72 %
■ eGFR 30 - 59	13 %	14 %
■ eGFR 15 - 29	1 %	2 %
■ eGFR < 15	1 %	1 %
■ eGFR unknown	19 %	11 %

Non-HDL Cholesterol

	Portland Area	All IHS
■ non-HDL Cholesterol obtained in the past 12 months	61 %	74 %
■ non-HDL <130 mg/dl	34 %	44 %
■ non-HDL 130-159 mg/dl	15 %	16 %
■ non-HDL > 190 mg/dl	5 %	5 %
■ Not tested	39 %	26 %

Northwest Portland Area Indian Health Board

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

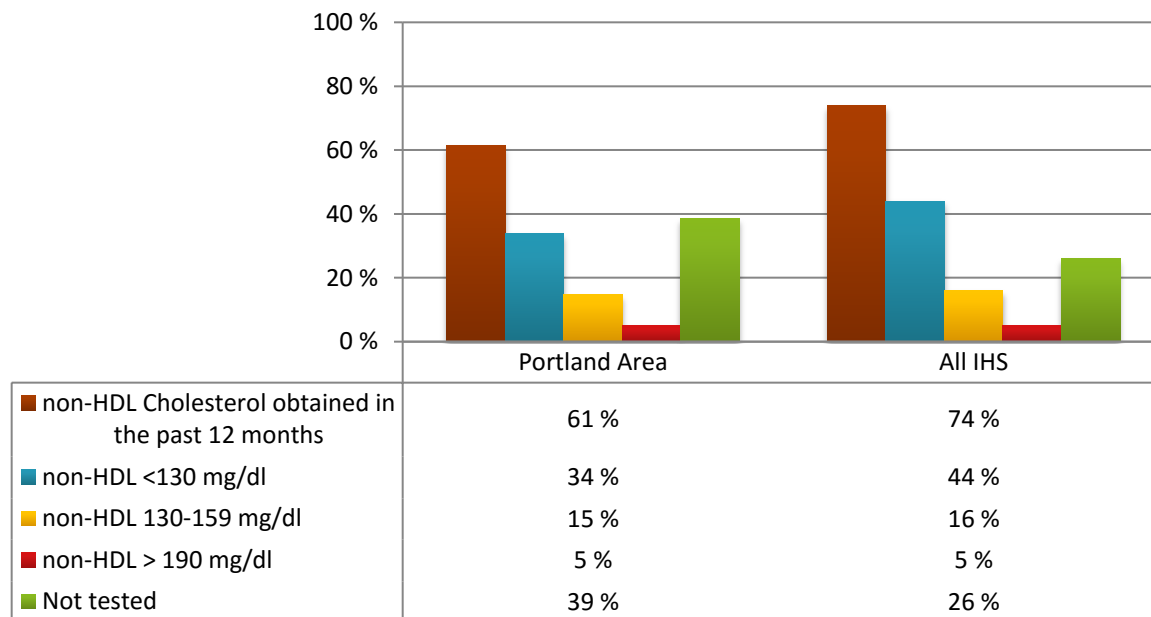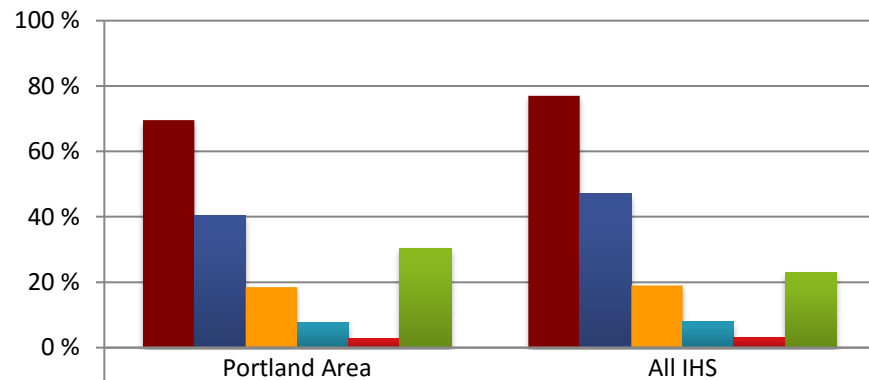**Portland Area (n=7534 patients)**   **All IHS (n=7534 patients)**

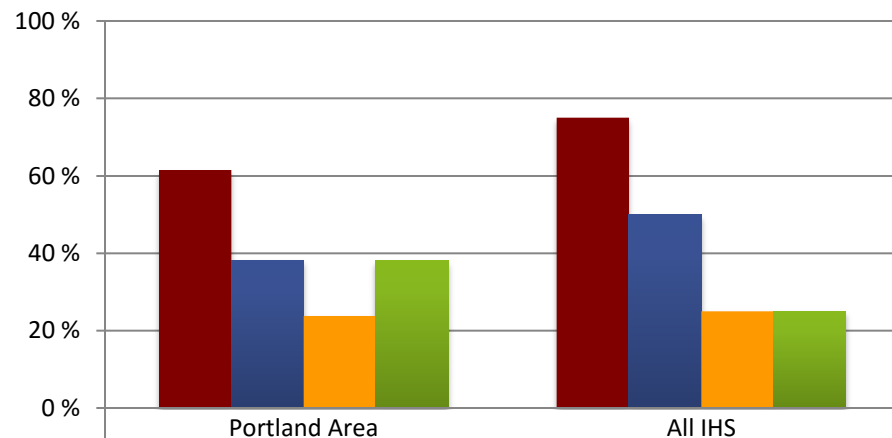7534 sampled from 8021 active patients with diabetes (94%)   116743 sampled from 154949 active patients with diabetes (84%)

LDL Cholesterol

	Portland Area	All IHS
■ LDL obtained in the past 12 months	70 %	77 %
■ LDL <100 mg/dl	40 %	47 %
■ LDL 100-129 mg/dl	18 %	19 %
■ LDL 130-160 mg/dl	8 %	8 %
■ LDL >160	3 %	3 %
■ Not tested	30 %	23 %

HDL Cholesterol Females

	Portland Area	All IHS
■ HDL obtained in the past 12 months (all patients)	61 %	75 %
■ HDL ≤ 50 mg/dl	38 %	50 %
■ HDL > 50 mg/dl	24 %	25 %
■ HDL not done	38 %	25 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014
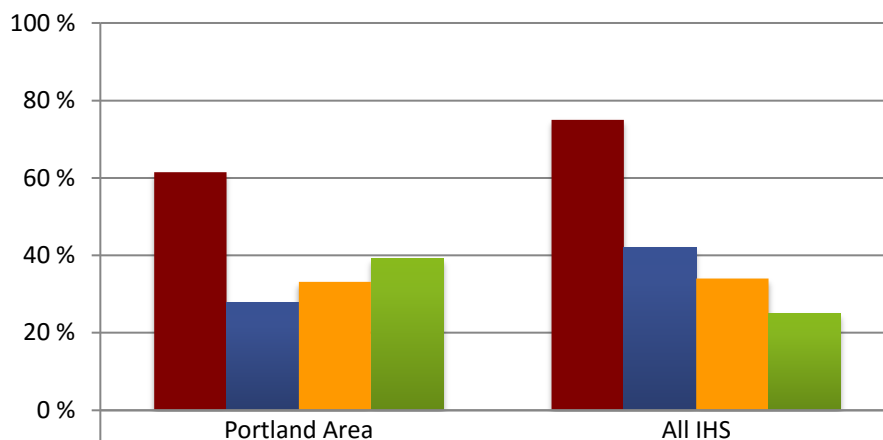
This information is for the following groups:

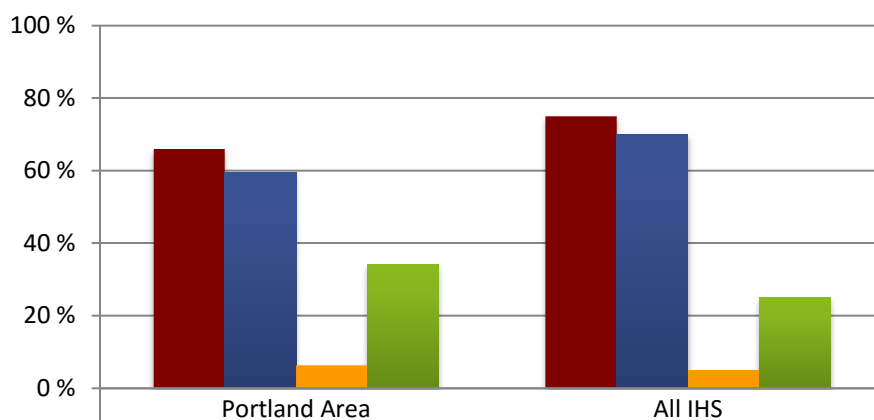| Portland Area (n=7534 patients)	All IHS (n=7534 patients)
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

HDL Cholesterol Males

	Portland Area	All IHS
■ HDL obtained in the past 12 months (all patients)	61 %	75 %
■ HDL ≤ 40 mg/dl	28 %	42 %
■ HDL > 40 mg/dl	33 %	34 %
■ HDL not done	39 %	25 %

Triglyceride Distribution

	Portland Area	All IHS
■ Triglycerides obtained in the past 12 months	66 %	75 %
■ TG ≤ 400 mg/dl	60 %	70 %
■ TG >400 mg/dl	6 %	5 %
■ TG not tested	34 %	25 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

This information is for the following groups:

Portland Area (n=7534 patients)

7534 sampled from 8021 active patients with diabetes (94%)

All IHS (n=7534 patients)

116743 sampled from 154949 active patients with diabetes (84%)

Urinalysis Performed

	Portland Area	All IHS
UA yes	56 %	61 %
UA no	44 %	39 %

UACR results

	Portland Area	All IHS
Urine albumin excretion - Normal <30 mg/g	68 %	68 %
30-300 mg/g	28 %	27 %
>300 mg/g	4 %	9 %

2015 Diabetes Audit: Dates of Service Calendar Year 2014

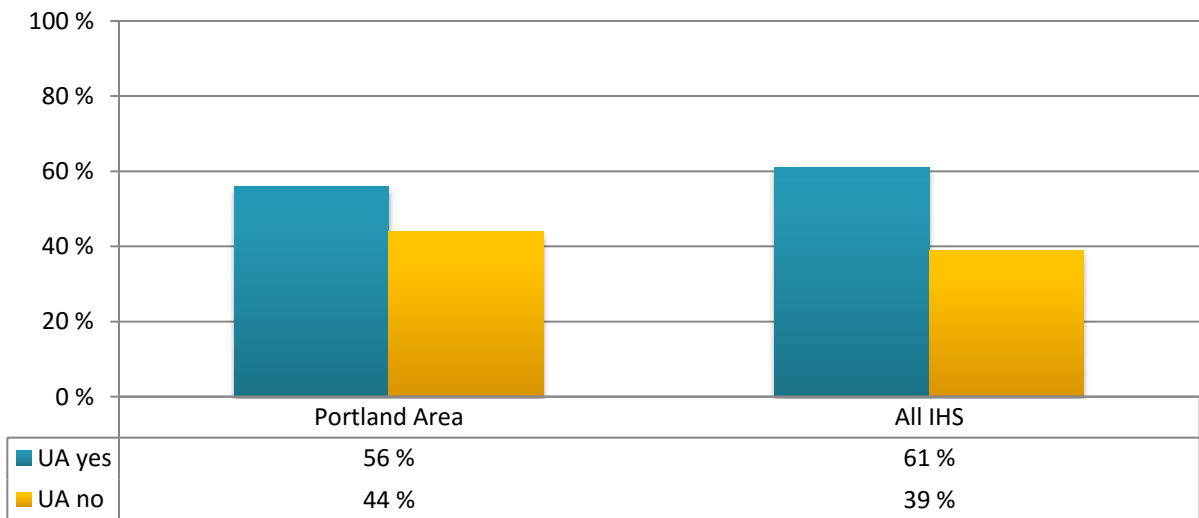**This information is for the following groups:**

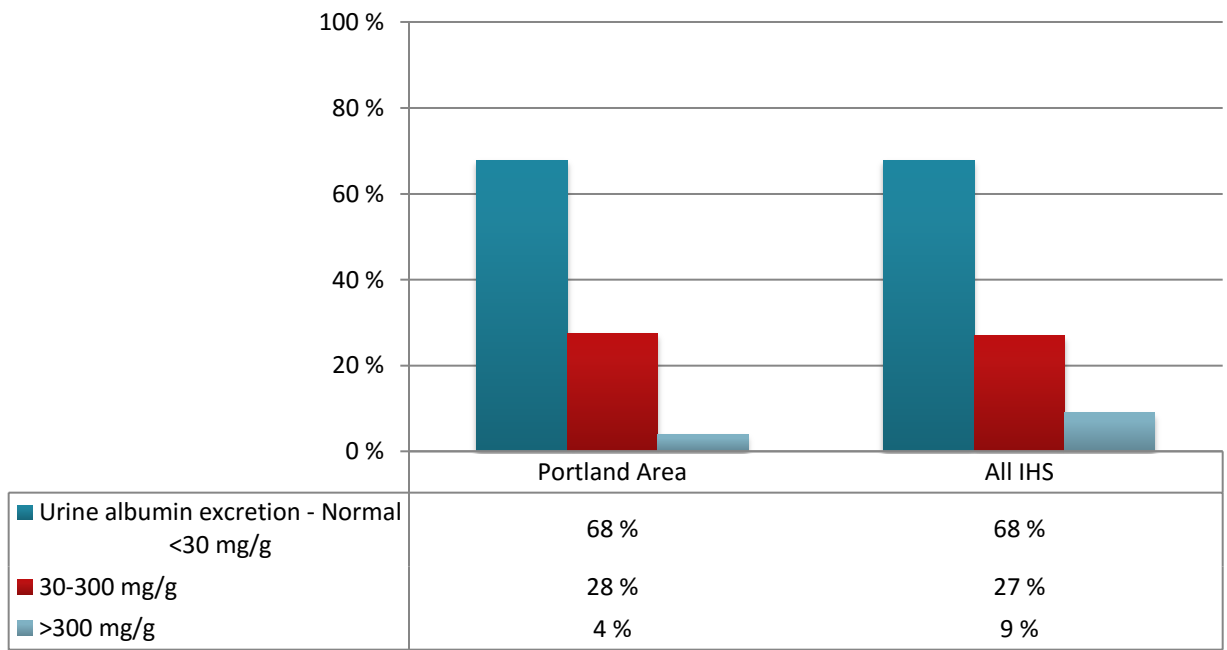| Portland Area (n=7534 patients)	All IHS (n=7534 patients)
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

Patients diagnosed with CVD

	Portland Area	All IHS
■ Diagnosed CVD	59 %	37 %

Tuberculosis Status

	Portland Area	All IHS
■ TB Test done (skin or blood)	33 %	49 %
■ If test done, skin test	96 %	99 %
■ If test done, blood test	4 %	1 %
■ If TB test done, positive result	15 %	17 %
■ If negative TB test, after DM diagnosis	54 %	59 %
■ If positive TB test, treatment completed	11 %	25 %

Comparison, 34　　　　　　　　　　　　　Northwest Portland Area Indian Health Board

2015 Diabetes Audit: Dates of Service Calendar Year 2014

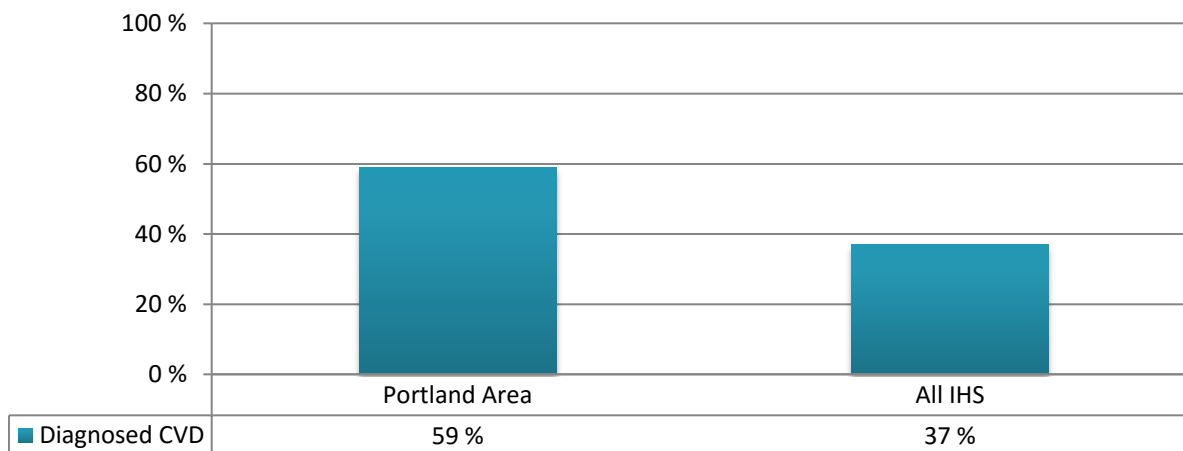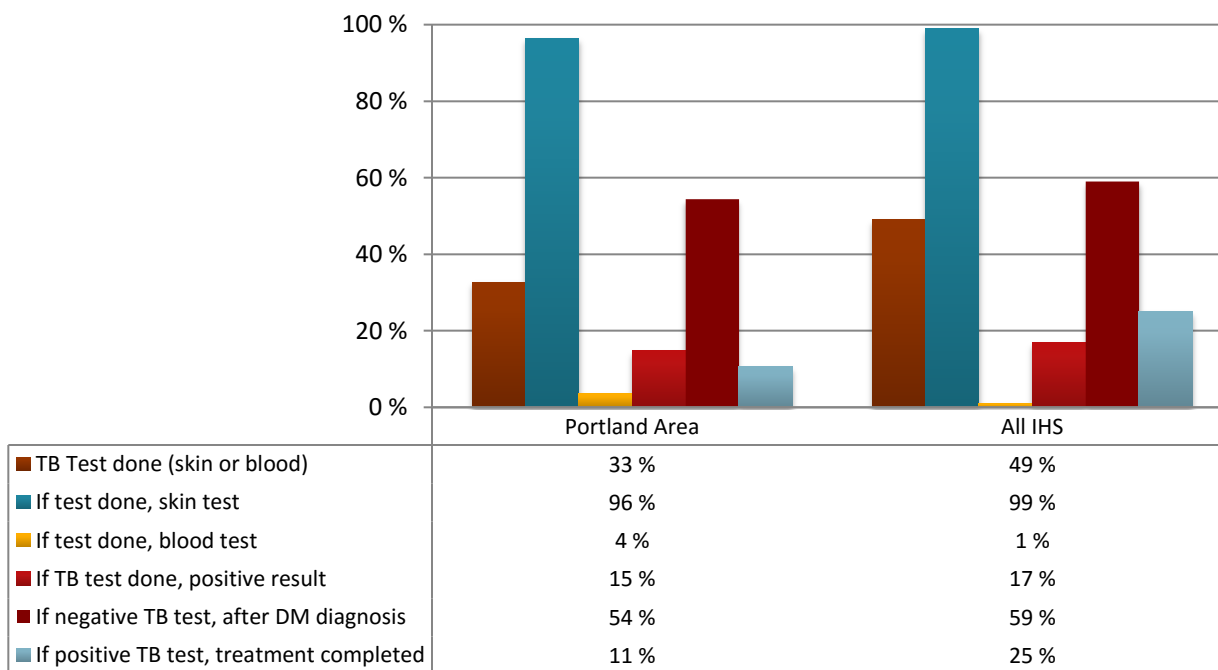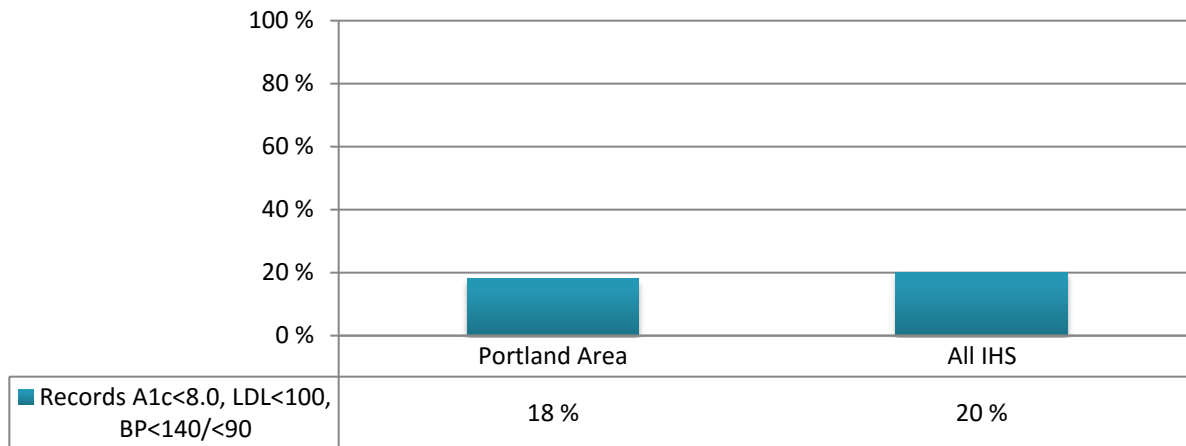**This information is for the following groups:**

Portland Area (n=7534 patients)	**All IHS (n=7534 patients)**
7534 sampled from 8021 active patients with diabetes (94%)	116743 sampled from 154949 active patients with diabetes (84%)

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	18 %	20 %

Records with eGFR and quantitative protein test

	Portland Area	All IHS
■ Records with eGFR and quantitative protein test	54 %	59 %