

2014-15 Medicare Summary Data Report

For the Vision & Eye Health Surveillance System

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DISCLAIMER: The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of NORC at the University of Chicago or the Centers for Disease Control and Prevention.

This report is currently undergoing Section 508 compliance review.

Dataset Description

We included beneficiaries who were fully enrolled in Medicare Part B Fee-for-Service (FFS) for the duration of 2014 and 2015 in the analysis of Medicare claims for the Vision and Eye Health Surveillance System (VEHSS). This included approximately 30 million individuals annually. Medicare data included a number of analytic files containing FFS claims organized into files by type of care, such as carrier files (also known as the Physician/Supplier Part B claims files), outpatient files, as well as denominator files (with information on eligibility and enrollment).

Data from patients enrolled in Medicare managed care plans were not included as these claims do not include individualized claims for services. In 2018, 2.2 million Americans were enrolled in Medicare advantage plans, and a further 17.6 million had drug plans.

Medicare covers ophthalmologic services for nearly the entire US population aged 65 and older, for those younger than 65 who have received social security benefits as a result of disability for 24 months; for those who have end stage renal disease and receive dialysis or a kidney transplant; and for those who have amyotrophic lateral sclerosis (ALS). Like others with a disability, persons with U.S. defined blindness (a best corrected acuity of 20/200 or worse in the better-seeing eye) become eligible for Medicare after 24 months of social security enrollment. In 2015, approximately 42.5 million out of 47.8 million Americans aged 65 and older (88.9%) were enrolled in Medicare Part B (which covers outpatient services).¹ Due to this high coverage rate, those enrolled are roughly representative of the overall population aged 65 and older. In contrast, only 9.0 million out of 273.6 million Americans ages 0 to 64 (3.3%) were enrolled in Medicare, and because these individuals are primarily eligible via disability, they are disproportionately sicker and poorer than other Americans in this age group.² Additionally, Medicare does not cover all services. Routine eye exams and optometry services are not covered by Medicare except in rare circumstances.

NORC and KPMG obtained access to 100% Medicare FFS claims data through the Centers for Medicare and Medicaid Services (CMS) Virtual Research Data Center (VRDC). Through the VRDC, the project team had access to 100% CMS research identifiable files (RIFs), including:

- Inpatient
- Outpatient
- Skilled Nursing Facility
- Hospice
- Home Health
- Carrier

¹ Huntley-Hall, N. Profile America Facts for Features: CB17-FF.08. US Census Bureau, Economics and Statistics Administration. March 27, 2017.

² Kaiser Family Foundation, State Health Facts. Calculated from US Census Current Population Survey, March 2017.

- Durable Medical Equipment (DME)
- Master Beneficiary Summary File (MBSF) Base File
 - ▶ MBSF Chronic Conditions segment file
 - ▶ Part D Event data
 - ▶ Part D Characteristics, including Drug, Pharmacy, Prescriber, and Plan characteristics

Please see this link for a CMS description of each file:

https://www.resdac.org/cms-data/search?f%5B0%5D=im_field_data_file_category%3A46

Analysis Overview

We analyzed the 2014 and 2015 100% Medicare FFS claims databases to estimate the annual prevalence rate of treated diagnoses and the rate of clinical procedures. NORC’s subcontractor KPMG analyzed the data and generated summary reports of frequencies and rates, summarized by state and by age group, race/ethnicity, and sex. A detailed description of the analytical steps is described in the report “VEHSS Claims & Registry Analysis Plan.”

Data Indicators and Case Definitions

We generated Medicare estimates using two data indicator topics: ‘Service Utilization’ and ‘Medical Diagnoses.’

Service Utilization Topic

Service Utilization measured in Medicare claims is the proportion of patients who underwent an eye exam per year of observation. The rate of exams represents the proportion of patients who have at least one eye exam during the year of observation, and is a single number representing the average for each patient group. The Eye Exam indicators analyzed in Medicare claims data are listed in Table 1. We differentiated provider type because various data sources have differing representation of providers.

Table 1. Service Utilization Topic Indicators

Category	Subgroup
Eye exams	By provider type
	By ophthalmologists and other physicians
	By optometrists and opticians

Eye exams were identified in claims based on the presence of Healthcare Common Procedure Coding System (HCPCS) Codes, shown in **Table 2**. Four procedure codes specifically denote an eye exam (92002, 92004, 92012, 92014). All instances of these procedures were counted as an eye exam.

Other Evaluation & Management (E & M) codes (99***) are not specific to eye exams, but nonetheless are frequently billed for eye exams. In this case, we included E & M codes only if they were coded by an eye care provider. We identified eye care providers in Medicare based on the provider types (also known as taxonomy), of ophthalmologist, optometrist or optician, or a general physician who coded for an ophthalmic procedure as indicated in **Table 3**.

Table 2. Procedure Codes Included in Exams

CPT/HCPCS Code	Code Description
Eye Exam Codes, Always Included	
92002	Eye exam new patient
92004	Eye exam new patient
92012	Eye exam established patient
92014	Eye exam established patient
General Exam Codes, Require Specified Provider Taxonomy Code	
99201	Office/outpatient visit new
99202	Office/outpatient visit new
99203	Office/outpatient visit new
99204	Office/outpatient visit new
99205	Office/outpatient visit new
99212	Office/outpatient visit established
99213	Office/outpatient visit established
99214	Office/outpatient visit established
99215	Office/outpatient visit established
99241	Office consultation
99242	Office consultation
99243	Office consultation
99244	Office consultation
99245	Office consultation
99341	Home visit new patient
99342	Home visit new patient
99343	Home visit new patient
99344	Home visit new patient
99345	Home visit new patient
99347	Home visit est patient
99348	Home visit est patient
99349	Home visit est patient
99350	Home visit est patient

Table 3. 2013 CMS Eye Care Provider Categories Taxonomy Codes

Specialty Code	Medicare Provider Type	Provider Taxonomy Code	Provider Taxonomy Description
By ophthalmologists and other physicians			
2	Physician/ General Surgery	207WX0200X	Allopathic & Osteopathic Physicians/Ophthalmic Plastic and Reconstructive Surgery
18	Physician/ Ophthalmology	207W00000X	Allopathic & Osteopathic Physicians/Ophthalmology
By optometrists and opticians			
41	Optometry	152W00000X	Eye and Vision Service Providers/Optometrist
		152WC0802X	Eye and Vision Service Providers/Optometrist, Corneal and Contact Management
		152WL0500X	Eye and Vision Service Providers/Optometrist, Low Vision Rehabilitation
		152WX0102X	Eye and Vision Service Providers/Optometrist, Occupational Vision
		152WP0200X	Eye and Vision Service Providers/Optometrist, Pediatrics
		152WS0006X	Eye and Vision Service Providers/Optometrist, Sports Vision
		152WV0400X	Eye and Vision Service Providers/Optometrist, Vision Therapy
96[5]	Optician	156FX1800X	Eye & Vision Service Providers/Technician/Technologist, Optician

The patient population (denominator) includes those who were fully enrolled in the Medicare program during the year of observation, defined as enrollment in Medicare Part B for all 12 months of the respective calendar year.

Medical Diagnoses Topic

Identification of prevalent cases

Individual Medicare beneficiaries were assigned to diagnosis categories and subgroups based on International Classification of Diseases (ICD) 9 (permissible in 2014) or ICD10 diagnosis codes on any patient claim during the year of observation.

We used the following identification algorithm:

- Any observation of an indicated diagnosis code in any Part B claim by a patient.
- The diagnosis code may be primary or secondary.
- Only one instance of the diagnosis code is necessary to trigger classification to a diagnosis category.
- Patients may be assigned to multiple categories and subcategories.
- Data is analyzed on an annual basis.

The development of this this algorithm was based on the practices of the CMS Chronic Conditions Warehouse reporting system, feedback from project partners and experts, and the results of a literature review to identify normal and best practices for prevalence reporting from administrative data sources. This literature review is included in Appendix A of the “Claims & Registry Analysis Plan.”

Diagnosis Categories and Subgroup Indicators

Medical Diagnoses were reported based on the VEHS-defined medical diagnosis categorization structure. As reported in detail in the “VEHSS Medical Diagnosis Categorization” report, we identified all eye and vision related ICD9 and ICD10 diagnosis codes, and organized them into a 2-level categorization structure which has 17 Categories and 79 Subgroups (**Table 4**).

For example, assume a beneficiary has three eye and vision related ICD9 codes in the year of observation:

- 362.3 Retinal vascular occlusion, unspecified
- 362.9 Retinal nerve fiber bundle defects
- 362.11 Hypertensive retinopathy

362.3 and 362.9 are assigned to subgroup ‘Retina vascular disease, Occlusive (arterial, venous)’.

362.11 is assigned to a different subgroup; ‘Retina vascular disease, Non-Occlusive’. Both of these subgroups are within one category (Other Retinal Disorders).

This beneficiary is counted as one prevalent case for subgroup ‘Retina vascular disease, Occlusive (arterial, venous)’, and one case for subgroup ‘Retina vascular disease, Non-Occlusive’. This beneficiary would count as one case in the category ‘Other Retinal Disorders’. Thus, individual patients can appear in multiple subgroups, but cannot be double counted within a specific category or subgroup. Patients may also appear in multiple separate categories.

Table 4. Medical Diagnosis Categories and Subgroups

Category	Subgroup
Retinal Detachment and Defects	
Diabetic Eye Diseases	Early/mild diabetic retinopathy
	Moderate /severe non-proliferative diabetic retinopathy
	Proliferative diabetic retinopathy
	Diabetic macular edema (dme, csme)
	Other/unspecified diabetes related eye conditions
Age related macular degeneration (AMD)	AMD, unspecified
	Early AMD
	Dry-form AMD
	GA, modifier for Dry-form
	Wet-form AMD
	CNV, modifier for Wet-form

Category	Subgroup
Other Retinal Disorders	Retina vascular disease, occlusive (arterial, venous)
	Central retinal vein occlusion
	Branch retinal vein occlusion
	Central retinal arterial occlusion
	Branch retinal artery occlusion
	Retina vascular disease, non-occlusive
	Macular edema (if not diabetic)
	Hereditary chorioretinal dystrophy
	Myopic degeneration
	Other/unspecified retinal disorders
Glaucoma	Open-angle glaucoma
	Primary open-angle glaucoma
	Low-tension glaucoma
	Glaucoma suspect
	Primary angle-closure glaucoma
	Narrow-angle glaucoma
	Congenital glaucoma
	Neovascular glaucoma
	Other/unspecified glaucoma
	Cataracts
Non-congenital cataract	
Congenital cataract	
Posterior capsular opacity	
Pseudophakia	
Aphakia and other disorders of lens	
Disorders of Refraction and accommodation	Myopia
	Hypermetropia
	Astigmatism
	Presbyopia
	Other disorder of refraction and accommodation
Blindness and low vision	Unqualified visual loss, both eyes
	Unqualified vision loss in one eye, or unspecified visual loss
	Vision impairment one eye
	Moderate or severe vision impairment better eye; profound vision impairment of lesser eye
	Moderate or severe vision impairment both eyes
	Profound vision impairment, bilateral, or legal blindness
Strabismus and amblyopia	Strabismus
	Amblyopia
Injury, burns and surgical complications of the eye	Injury
	Burn
	Surgical complication
Disorders of optic nerve and visual pathways	Optic nerve disorders
	Visual pathway disorders
Other visual disturbances	Visual field defect
	Color blindness
	Night blindness
	Other/unspecified visual disturbances

Category	Subgroup
Infectious and Inflammatory diseases	Infectious diseases
	Keratitis
	Conjunctivitis
	Eyelid infection and inflammation
	Other inflammatory conditions
	Lacrimal system and orbit inflammation
	Endophthalmitis
Orbital and external disease	Congenital anomalies
	Other/unspecified orbital or external disease
	Lacrimal diseases
	Eyelid disorders
	Dry eye syndrome
	Disorders of the globe
Cancer and neoplasms of the eye	Malignant neoplasm of the eye
	Benign neoplasm of the eye
Cornea disorders	Keratoconus
	Endothelial dystrophy (inc Fuchs)
	Other corneal disorders
Other eye disorders	

Denominator used to Calculate Prevalence Rates

The denominator for each estimated prevalence rate is the total number of beneficiaries fully enrolled in the Medicare Part B program for all 12 months during the year of observation.

Stratification Factors

We report the summary outcomes of each data indicator overall, and by the stratification factors age group, sex, race/ethnicity, and state. This report includes outcomes estimated for single levels of stratification. To estimate prevalence rates for specific multi-variable stratification categories, please visit the VEHSS data visualization application.

Age Groups

Beneficiary age was categorized into the VEHSS-defined major age groups: 0-17, 18-39, 40-64, 65-84, 85+.

Sex Categories

Beneficiaries were classified as either Male or Female. Only a few beneficiaries had missing Sex data, and all cases were suppressed.

Race/Ethnicity Categories

We used the VEHSS race/ethnicity identifiers. Few beneficiaries had missing race/ethnicity data and were excluded because their results would have been suppressed.

- American Indian and Alaska Native (AIAN)
- Asian
- Black (non-Hispanic)
- Hispanic (any race)
- White (non-Hispanic)
- Other (including multiple or missing race)
- All Races

States and Territories

Table 5. VEHSS State and Territory Abbreviations

AK	Alaska	LA	Louisiana	OK	Oklahoma
AL	Alabama	MA	Massachusetts	OR	Oregon
AR	Arkansas	MD	Maryland	PA	Pennsylvania
AS	American Samoa	ME	Maine	PR	Puerto Rico
AZ	Arizona	MH	Marshall Islands	PW	Palau
CA	California	MI	Michigan	RI	Rhode Island
CO	Colorado	MN	Minnesota	SC	South Carolina
CT	Connecticut	MO	Missouri	SD	South Dakota
DC	District of Columbia	MP	Northern Mariana Islands	TN	Tennessee
DE	Delaware	MS	Mississippi	TX	Texas
FL	Florida	MT	Montana	UT	Utah
GA	Georgia	NC	North Carolina	VA	Virginia
GU	Guam	ND	North Dakota	VI	U.S. Virgin Islands
HI	Hawaii	NE	Nebraska	VT	Vermont
IA	Iowa	NH	New Hampshire	WA	Washington
ID	Idaho	NJ	New Jersey	WI	Wisconsin
IL	Illinois	NM	New Mexico	WV	West Virginia
IN	Indiana	NV	Nevada	WY	Wyoming
KS	Kansas	NY	New York	XX	Missing State
KY	Kentucky	OH	Ohio	US	National

Suppression and Data Release Restrictions

To ensure patient privacy and protections, the VEHSS project implements additional data suppression on all publicly released data. All data incorporated into the VEHSS system is de-identified summary data. VEHSS does not report any patient-level data. To ensure maximum levels of data privacy and security, NORC worked with its internal data governance board, external experts and data providers and the CMS VRDC to design suppression algorithms to balance high level patient protection while maintaining the

utility of publicly released data. VEHSS employed the following data suppression algorithm for Medicare claims data:

1. Suppress rates and denominator when denominator < 11
2. Suppress rates if numerator < 3
3. Report rates to 4 digits, formatting as percentage with two decimal points.
4. For public data on the VEHSS Data Visualization Application and the Centers for Disease Control and Prevention (CDC) Open Data Platform, denominators are rounded to the nearest 100.

Validation

Internal Validation

Sample Size

The Medicare claims data included 100% of Medicare FFS claims in each year of observation, and the denominator included all Medicare Part B FFS beneficiaries enrolled for the full 12 months of the benefit year. The total number of beneficiaries was approximately 30 million persons each year. The dataset was fully representative of the Medicare FFS program and is nearly nationally representative for US residents aged 65 and older. The Medicare denominator also included persons of any age who are legally disabled or blind.

We are unable to determine the reason for Medicare program eligibility beyond any disability, and thus cannot distinguish those who have Medicare benefits due to blindness.

Outcome Coverage

Medicare claims includes information required to estimate medical diagnoses and service utilization rates, which includes eye exams by provider type. Further, there was sufficient sample size to report prevalence rates for all VEHSS defined outcome measures at a single level of demographic stratification for each state. Diagnosis rates and service utilization only reflect visits and services billed to Medicare FFS, so despite the high coverage among those aged 65 and older, Medicare results alone will not capture all medical diagnoses or procedures.

Potential Limitations

This analysis is subject to a number of potential limitations:

- Medicare claims are intended for billing purposes only. Diagnosis information included on claims is intended to justify payment. Therefore, diagnosis data on claims may suffer from bias or limited detail.

- Medicare FFS does not cover all healthcare services, such as routine eye exams or optometry care. Medicare patients may utilize these services using a different payer, and thus these services are not captured in Medicare FFS claims.
- Patients may be insured by multiple insurers, such as a supplemental, medigap or Medicare managed care plans. Thus, even normally covered ophthalmology services may not be indicated in FFS claims if services were reimbursed by another plan.
- Many Medicare patients move seasonally. We report patient residence based on the last location of observation. This may skew patient numbers towards “sun belt” states.
- Medicare is not nationally representative for individuals under age 65. These patients may obtain Medicare coverage due to medical need, such as legally recognized disability, or other specially defined benefit, such as End stage renal disease. Individuals who become disabled for reasons of blindness cannot be distinguished from others who are disabled unless there is thorough recording of low vision and blindness in their medical claims.
- Medicare FFS is nearly representative of the population aged 65 and older, but does not include beneficiaries with Medicare advantage plans, or those who defer Medicare coverage. The Medicare FFS claims also do not fully capture all medical services for this population.

Summary Statistics

Table 6a and 6b contains sample sizes of the 2014 and 2015 Medicare data by stratification factor.

Table 6a. 2014 Medicare Sample Size (beneficiary counts)

Total Sample Size		29,970,961	
By Sex			
Female	16,613,472	Male	13,357,489
By Age Group			
0-17 years	1,155	40-64 years	4,348,311
18-39 years	832,088	65-84 years	20,843,480
By Race/Ethnicity			
Asian	698,518	Hispanic	1,730,998
Black	2,896,874	AIAN	165,711
		Other	227,405
		White	24,251,455
By State			
AL	605,653	LA	454,574
AK	64,171	ME	200,863
AZ	535,961	MD	656,169
AR	401,006	MA	754,581
CA	2,437,313	MI	1,090,059
CO	372,312	MN	332,031
CT	373,661	MS	411,474
DE	137,159	MO	678,731
DC	54,254	MT	135,969
FL	1,980,447	NE	227,817
GA	846,185	NV	225,766
HI	89,695	NH	197,503
ID	154,181	NJ	995,865
IL	1,320,952	NM	196,135
IN	733,556	NY	1,619,686
IA	413,199	NC	1,049,290
KS	350,698	ND	83,474
KY	538,282	OH	1,040,706
		OK	467,366
		OR	323,765
		PA	1,184,867
		PR	63,217
		RI	95,967
		SC	599,562
		SD	106,469
		TN	675,084
		TX	2,003,303
		UT	172,903
		VT	99,965
		VI	15,450
		VA	875,013
		WA	646,155
		WV	260,610
		WI	546,005
		WY	75,882

Table 6b. 2015 Medicare Sample Size (beneficiary counts)

Total Sample Size		30,027,208			
By Sex					
Female	16,625,321	Male	13,401,887		
By Age Group					
0-17 years	1,085	40-64 years	4,271,820	85+ years	3,891,621
18-39 years	805,973	65-84 years	21,056,709		
By Race/Ethnicity					
Asian	713,870	Hispanic	1,726,656	Other	228,874
Black	2,865,970	AIAN	168,793	White	24,323,045
By State					
AL	606,553	LA	452,136	OK	472,986
AK	66,856	ME	197,446	OR	330,781
AZ	552,756	MD	674,736	PA	1,195,516
AR	402,568	MA	769,018	PR	57,892
CA	2,466,327	MI	1,045,753	RI	98,930
CO	382,353	MN	324,736	SC	612,578
CT	370,415	MS	413,413	SD	105,863
DE	141,433	MO	672,669	TN	668,030
DC	54,192	MT	137,918	TX	1,961,580
FL	1,985,891	NE	232,222	UT	178,285
GA	841,797	NV	232,399	VT	101,973
HI	92,582	NH	202,049	VI	15,986
ID	157,683	NJ	1,014,867	VA	895,345
IL	1,305,642	NM	199,716	WA	665,787
IN	737,515	NY	1,603,991	WV	263,069
IA	417,436	NC	1,055,320	WI	533,905
KS	355,792	ND	82,795	WY	78,109
KY	535,735	OH	1,005,883		

Service Utilization Indicators (Number of patients receiving service per 100 patients)

Table 7a. Exam rate by Age Group, 2014

Age Group	Any Provider	Physicians	Optometry
0-17 years	19.65	13.77	6.75
	(17.4 - 22.06)	(11.83 - 15.89)	(5.37 - 8.36)
18-39 years	15.27	6.22	9.81
	(15.19 - 15.34)	(6.17 - 6.28)	(9.75 - 9.88)
40-64 years	24.81	13.29	13.43
	(24.77 - 24.85)	(13.26 - 13.32)	(13.4 - 13.46)
65-84 years	48.23	33.21	19.61
	(48.21 - 48.26)	(33.19 - 33.23)	(19.6 - 19.63)
85+ years	53.85	39.84	19.53
	(53.8 - 53.89)	(39.79 - 39.89)	(19.49 - 19.57)
All Ages	44.66	30.44	18.43
	(44.64 - 44.68)	(30.43 - 30.46)	(18.42 - 18.45)

Table 7b. Exam rate by Age Group, 2015

Age Group	Any Provider	Physicians	Optometry
0-17 years	19.54	13.00	7.10
	(17.219 - 22.026)	(11.051 - 15.143)	(5.6409 - 8.7902)
18-39 years	15.47	6.27	10.00
	(15.39 - 15.548)	(6.215 - 6.321)	(9.9344 - 10.0655)
40-64 years	25.05	13.28	13.74
	(25.012 - 25.094)	(13.244 - 13.308)	(13.708 - 13.7733)
65-84 years	48.37	32.98	20.12
	(48.35 - 48.393)	(32.964 - 33.004)	(20.1064 - 20.1406)
85+ years	54.07	39.84	19.90
	(54.017 - 54.116)	(39.788 - 39.885)	(19.8649 - 19.9443)
All Ages	44.91	30.35	18.91
	(44.89 - 44.926)	(30.334 - 30.367)	(18.9008 - 18.9289)

Table 8a. Exam rate by Sex, 2014

Sex	Any Provider	Physicians	Optometry
Female	48.81	33.33	20.16
	(48.79 - 48.84)	(33.31 - 33.35)	(20.14 - 20.18)
Male	39.49	26.85	16.28
	(39.47 - 39.52)	(26.83 - 26.87)	(16.26 - 16.3)
All	44.66	30.44	18.43
	(44.64 - 44.68)	(30.43 - 30.46)	(18.42 - 18.45)

Table 8b. Exam rate by Sex, 2015

Sex	Any Provider	Physicians	Optometry
Female	49.09	33.24	20.70
	(49.07 - 49.118)	(33.2128 - 33.2581)	(20.6836 - 20.7226)
Male	39.71	26.77	16.70
	(39.688 - 39.741)	(26.7484 - 26.7959)	(16.6765 - 16.7165)
All	44.91	30.35	18.91
	(44.89 - 44.926)	(30.3343 - 30.3672)	(18.9008 - 18.9289)

Table 9a. Exam rate by Race/Ethnicity, 2014

Race	Any Provider	Physicians	Optometry
AIAN	39.46	16.56	27.96
	(39.23 - 39.7)	(16.38 - 16.74)	(27.96 - 28.4)
Asian	42.98	34.71	12.09
	(42.86 - 43.1)	(34.6 - 34.82)	(12.01 - 12.16)
Black	34.58	23.68	13.79
	(34.53 - 34.64)	(23.63 - 23.73)	(13.75 - 13.83)
Hispanic	35.18	25.71	12.95
	(35.11 - 35.25)	(25.65 - 25.78)	(12.9 - 13)
White	46.63	31.54	19.53
	(46.61 - 46.65)	(31.52 - 31.56)	(19.51 - 19.54)
Other	43.64	32.52	14.93
	(43.44 - 43.85)	(32.33 - 32.71)	(14.78 - 15.08)
All Races	44.66	30.44	18.43
	(44.64 - 44.68)	(30.43 - 30.46)	(18.42 - 18.45)

Table 9b. Exam rate by Race/Ethnicity, 2015

Race	Any Provider	Physicians	Optometry
AIAN	39.32	16.01	28.37
	(39.09 - 39.56)	(15.84 - 16.19)	(28.37 - 28.8)
Asian	43.43	35.07	12.11
	(43.31 - 43.54)	(34.96 - 35.18)	(12.04 - 12.19)
Black	35.10	23.98	14.14
	(35.04 - 35.15)	(23.93 - 24.03)	(14.1 - 14.18)
Hispanic	35.25	25.67	13.03
	(35.18 - 35.32)	(25.61 - 25.74)	(12.98 - 13.08)
White	46.84	31.37	20.06
	(46.82 - 46.86)	(31.35 - 31.39)	(20.05 - 20.08)
Other	44.51	33.19	15.37
	(44.31 - 44.71)	(32.99 - 33.38)	(15.22 - 15.51)
All Races	44.91	30.35	18.92
	(44.89 - 44.93)	(30.33 - 30.37)	(18.9 - 18.93)

Table 10a. Exam rate by State, 2014

State	Exam Rate	(95% CI)	State	Exam Rate	(95% CI)
AK	36.75	(36.38 - 37.12)	NC	46.13	(46.04 - 46.23)
AL	41.12	(41 - 41.25)	ND	54.7	(54.36 - 55.04)
AR	44.16	(44.01 - 44.32)	NE	52.53	(52.32 - 52.74)
AS	N/A	N/A	NH	46.31	(46.09 - 46.53)
AZ	45.04	(44.9 - 45.17)	NJ	46.64	(46.54 - 46.74)
CA	41.38	(41.31 - 41.44)	NM	38.68	(38.46 - 38.89)
CO	41.87	(41.71 - 42.03)	NV	38.51	(38.31 - 38.71)
CT	55.29	(55.13 - 55.44)	NY	47.6	(47.52 - 47.67)
DC	40.9	(40.49 - 41.32)	OH	41.69	(41.6 - 41.79)
DE	52.19	(51.92 - 52.45)	OK	41.8	(41.66 - 41.94)
FL	49.18	(49.11 - 49.25)	OR	40.61	(40.44 - 40.78)
GA	41.13	(41.03 - 41.24)	PA	47.19	(47.1 - 47.28)
HI	48.15	(47.82 - 48.48)	PR	35.32	(34.95 - 35.69)
IA	55.33	(55.18 - 55.48)	RI	56.19	(55.88 - 56.5)
ID	40.78	(40.54 - 41.03)	SC	45.23	(45.1 - 45.35)
IL	44.71	(44.63 - 44.8)	SD	49.58	(49.28 - 49.88)
IN	42.63	(42.52 - 42.74)	TN	40.33	(40.21 - 40.45)
KS	52.56	(52.39 - 52.72)	TX	41.93	(41.86 - 42)
KY	38.01	(37.88 - 38.14)	UT	42	(41.76 - 42.23)
LA	38.64	(38.5 - 38.79)	VA	48.5	(48.4 - 48.61)
MA	53.15	(53.03 - 53.26)	VI	40.47	(39.7 - 41.25)
MD	44.33	(44.21 - 44.45)	VT	47.03	(46.72 - 47.34)

State	Exam Rate	(95% CI)	State	Exam Rate	(95% CI)
ME	49.39	(49.17 - 49.61)	WA	42.13	(42.01 - 42.25)
MI	40.97	(40.88 - 41.07)	WI	46.35	(46.22 - 46.48)
MN	47.23	(47.06 - 47.4)	WV	36.44	(36.25 - 36.62)
MO	44.74	(44.62 - 44.86)	WY	43.24	(42.88 - 43.59)
MP	N/A	N/A	XX	N/A	N/A
MS	41.57	(41.42 - 41.73)	US	44.66	(44.64 - 44.68)
MT	43.86	(43.6 - 44.13)			

Table 10b. Exam rate by State, 2015

State	Exam Rate	(95% CI)	State	Exam Rate	(95% CI)
AK	36.58	(36.21 - 36.95)	NC	46.26	(46.16 - 46.35)
AL	41.35	(41.22 - 41.47)	ND	54.19	(53.85 - 54.53)
AR	44.6	(44.44 - 44.75)	NE	52.26	(52.06 - 52.47)
AZ	45.61	(45.48 - 45.74)	NH	46.38	(46.16 - 46.6)
CA	41.41	(41.35 - 41.47)	NJ	46.76	(46.66 - 46.85)
CO	41.86	(41.7 - 42.02)	NM	39.01	(38.8 - 39.22)
CT	55.29	(55.13 - 55.45)	NV	39.07	(38.88 - 39.27)
DC	42.76	(42.34 - 43.17)	NY	48.02	(47.94 - 48.09)
DE	51.84	(51.58 - 52.1)	OH	42	(41.9 - 42.09)
FL	49.17	(49.11 - 49.24)	OK	41.85	(41.7 - 41.99)
GA	41.81	(41.71 - 41.92)	OR	40.53	(40.36 - 40.7)
HI	48.43	(48.1 - 48.75)	PA	47.25	(47.16 - 47.34)
IA	55.3	(55.15 - 55.45)	PR	35.65	(35.26 - 36.05)
ID	41.28	(41.03 - 41.52)	RI	55.99	(55.68 - 56.29)
IL	45.08	(44.99 - 45.16)	SC	45.95	(45.83 - 46.08)
IN	42.74	(42.63 - 42.85)	SD	49.29	(48.99 - 49.59)
KS	53.08	(52.92 - 53.25)	TN	40.71	(40.6 - 40.83)
KY	38.44	(38.31 - 38.57)	TX	42.4	(42.33 - 42.47)
LA	39.31	(39.17 - 39.45)	UT	42.48	(42.25 - 42.71)
MA	53.14	(53.03 - 53.25)	VA	48.95	(48.85 - 49.06)
MD	44.45	(44.33 - 44.57)	VI	41.42	(40.65 - 42.19)
ME	49.12	(48.89 - 49.34)	VT	47.08	(46.78 - 47.39)
MI	41.79	(41.7 - 41.89)	WA	42.17	(42.05 - 42.29)
MN	46.79	(46.62 - 46.97)	WI	45.76	(45.63 - 45.9)
MO	44.76	(44.64 - 44.88)	WV	36.7	(36.52 - 36.89)
MS	41.97	(41.82 - 42.12)	WY	43.71	(43.36 - 44.06)
MT	44.64	(44.38 - 44.91)	US	44.91	(44.89 - 44.93)

Medical Diagnosis Indicators (Number of patients with diagnosis per 100 patients)

Table 11a. Prevalence of Treated Medical Diagnoses by Category and Subgroup, 2014

Category	Subgroup	Prevalence (95% CI)	
Age related macular degeneration		9.01	(9.00 - 9.02)
	Dry-form	5.7	(5.69 - 5.71)
	Early	1.91	(1.90 - 1.91)
	Unspecified	1.79	(1.79 - 1.80)
	Wet-form	1.82	(1.81 - 1.82)
Blindness and low vision		0.76	(0.76 - 0.76)
	Moderate bilateral impairment	0.08	(0.08 - 0.08)
	Moderate imp. better eye, profound imp. lesser eye	0.07	(0.07 - 0.07)
	Profound bilateral imp., legal blindness	0.2	(0.20 - 0.21)
	Unqualified in one eye, or unspecified	0.3	(0.30 - 0.30)
	Unqualified, both eyes	0.03	(0.03 - 0.03)
	Vision impairment one eye	0.13	(0.13 - 0.13)
Cancer and neoplasms of the eye diseases		0.08	(0.08 - 0.09)
	Benign neoplasm	0.03	(0.03 - 0.03)
	Malignant neoplasm	0.05	(0.05 - 0.06)
Cataracts		32.01	(31.99 - 32.03)
	Aphakia and disorders of lens	0.46	(0.46 - 0.47)
	Congenital Cataract	0.8	(0.80 - 0.81)
	Non-congenital cataract	2.73	(2.72 - 2.73)
	Posterior capsular opacity	4.76	(4.76 - 4.77)
	Pseudophakia	9.42	(9.41 - 9.43)
	Senile cataract	20.93	(20.91 - 20.94)
Cornea disorders		2.66	(2.66 - 2.67)
	Endothelial dystrophy (Fuchs)	0.87	(0.87 - 0.87)
	Keratoconus	0.09	(0.08 - 0.09)
	Other corneal disorders	1.86	(1.86 - 1.87)
Diabetic eye diseases		3.48	(3.47 - 3.48)
	Diabetic macular edema	0.53	(0.53 - 0.53)
	Early/mild	1.93	(1.92 - 1.93)
	Moderate/Severe non-proliferative	0.3	(0.30 - 0.30)
	Other diabetes related	2.68	(2.68 - 2.69)
	Proliferative	0.64	(0.64 - 0.65)
Disorders of optic nerve and visual pathways		1.3	(1.30 - 1.31)
	Optic nerve disorders	1.29	(1.29 - 1.30)
	Visual pathway disorders	0.01	(0.01 - 0.01)

Category	Subgroup	Prevalence (95% CI)	
Refraction and accommodation		8.47	(8.46 - 8.48)
	Astigmatism	2.67	(2.66 - 2.67)
	Hypermetropia	2.12	(2.12 - 2.13)
	Myopia	1.75	(1.74 - 1.75)
	Other	0.13	(0.13 - 0.13)
	Presbyopia	5.36	(5.35 - 5.36)
Glaucoma		12.72	(12.71 - 12.73)
	Congenital	0.01	(0.01 - 0.01)
	Glaucoma suspect	6.47	(6.46 - 6.48)
	Low-tension	0.39	(0.39 - 0.39)
	Narrow-angle	0.7	(0.69 - 0.70)
	Neovascular	0.16	(0.16 - 0.16)
	Open-angle	1.21	(1.21 - 1.22)
	Other/unspecified glaucoma	0.93	(0.92 - 0.93)
	Primary angle-closure	0.33	(0.33 - 0.33)
	Primary open-angle	5.19	(5.18 - 5.19)
	**Severe stage modifier of other diagnoses	0.67	(0.67 - 0.67)
Infectious and inflammatory diseases		10.07	(10.06 - 10.08)
	Conjunctivitis	4.61	(4.61 - 4.62)
	Endophthalmitis	0.06	(0.06 - 0.06)
	Eyelid disorders	3.96	(3.96 - 3.97)
	Infectious diseases	0.2	(0.20 - 0.20)
	Keratitis	2.19	(2.18 - 2.19)
	Lacrimal and orbit inflammation	0.17	(0.17 - 0.17)
	Other/unspecified infectious and inflammatory diseases	0.57	(0.57 - 0.57)
Injury, burns and surgical complications of the eye		1.41	(1.41 - 1.42)
	Burn	0.02	(0.01 - 0.02)
	Injury	1.14	(1.13 - 1.14)
	Surgical complication	0.29	(0.29 - 0.29)
Orbital and external disease diseases		11.63	(11.62 - 11.64)
	Congenital anomalies	0.11	(0.11 - 0.11)
	Disorders of the globe	0.09	(0.08 - 0.09)
	Dry eye syndrome	0.01	(0.00 - 0.01)
	Eyelid disorders	4.22	(4.21 - 4.23)
	Lacrimal diseases	8.35	(8.34 - 8.36)
	Other/unspecified orbital and external disease diseases	0.12	(0.11 - 0.12)
Other eye disorders		9.77	(9.76 - 9.78)
Other retinal disorders		7.79	(7.78 - 7.80)
	Branch retinal artery occlusion	0.13	(0.13 - 0.14)
	Branch retinal vein occlusion	0.45	(0.45 - 0.45)
	Central retinal arterial occlusion	0.08	(0.08 - 0.08)
	Central retinal vein occlusion	0.28	(0.27 - 0.28)

Category	Subgroup	Prevalence (95% CI)	
	Hereditary chorioretinal dystrophy	0.25	(0.25 - 0.25)
	Macular edema (not diabetic)	0.6	(0.59 - 0.60)
	Myopic degeneration	0.13	(0.13 - 0.14)
	Non-Occlusive	1.83	(1.83 - 1.83)
	Other/unspecified other retinal diso	5.46	(5.45 - 5.47)
	Retina vascular disease, Occlusive	0.16	(0.16 - 0.16)
Other visual disturbances		3.63	(3.62 - 3.63)
	Color blindness	0.01	(0.01 - 0.01)
	Night blindness	2.38	(2.37 - 2.38)
	Other/unspecified visual disturbances	0.65	(0.65 - 0.65)
	Visual field defect	0.85	(0.85 - 0.86)
Retinal detachment and defects		0.96	(0.96 - 0.96)
Strabismus and amblyopia		1.16	(1.15 - 1.16)
	Amblyopia	0.37	(0.36 - 0.37)
	Strabismus	0.84	(0.83 - 0.84)

Table 11b. Prevalence of Treated Medical Diagnoses by Category and Subgroup, 2015

Category	Subgroup	Prevalence (95% CI)	
Age related macular degeneration		7.7	(7.69 - 7.71)
	Dry-form	4.8	(4.79 - 4.81)
	Early	1.59	(1.59 - 1.60)
	Unspecified	1.43	(1.42 - 1.43)
	Wet-form	1.68	(1.67 - 1.68)
Blindness and low vision		0.61	(0.61 - 0.61)
	Moderate bilateral impairment	0.05	(0.05 - 0.06)
	Moderate imp. better eye, profound imp. lesser eye	0.05	(0.05 - 0.06)
	Profound bilateral imp., legal blindness	0.17	(0.17 - 0.17)
	Unqualified in one eye, or unspecified	0.24	(0.24 - 0.24)
	Unqualified, both eyes	0.02	(0.02 - 0.02)
	Vision impairment one eye	0.11	(0.11 - 0.11)
Cancer and neoplasms of the eye diseases		0.07	(0.07 - 0.07)
	Benign neoplasm	0.03	(0.03 - 0.03)
	Malignant neoplasm	0.05	(0.05 - 0.05)
Cataracts		26.31	(26.29 - 26.32)
	Aphakia and disorders of lens	0.37	(0.37 - 0.37)
	Congenital Cataract	0.6	(0.60 - 0.60)
	Non-congenital cataract	2.15	(2.15 - 2.16)
	Posterior capsular opacity	3.86	(3.86 - 3.87)
	Pseudophakia	7.69	(7.68 - 7.70)
	Senile cataract	17.02	(17.01 - 17.04)

Category	Subgroup	Prevalence (95% CI)	
Cornea disorders		2.22	(2.22 - 2.23)
	Endothelial dystrophy (Fuchs)	0.72	(0.71 - 0.72)
	Keratoconus	0.08	(0.07 - 0.08)
	Other corneal disorders	1.55	(1.55 - 1.55)
Diabetic eye diseases		2.93	(2.92 - 2.93)
	Diabetic macular edema	0.51	(0.51 - 0.51)
	Early/mild	1.59	(1.59 - 1.60)
	Moderate/Severe non-proliferative	0.28	(0.28 - 0.28)
	Other diabetes related	2.32	(2.31 - 2.32)
	Proliferative	0.57	(0.56 - 0.57)
Disorders of optic nerve and visual pathways		1.09	(1.09 - 1.10)
	Optic nerve disorders	1.09	(1.08 - 1.09)
	Visual pathway disorders	0.01	(0.01 - 0.01)
Refraction and accommodation		6.88	(6.88 - 6.89)
	Astigmatism	2.29	(2.28 - 2.29)
	Hypermetropia	1.77	(1.76 - 1.77)
	Myopia	1.45	(1.45 - 1.46)
	Other	0.11	(0.11 - 0.11)
	Presbyopia	4.38	(4.37 - 4.39)
Glaucoma		11.48	(11.47 - 11.50)
	Congenital	0.01	(0.01 - 0.01)
	Glaucoma suspect	5.55	(5.54 - 5.56)
	Low-tension	0.35	(0.35 - 0.36)
	Narrow-angle	0.59	(0.59 - 0.60)
	Neovascular	0.14	(0.14 - 0.14)
	Open-angle	1.01	(1.01 - 1.02)
	Other/unspecified glaucoma	0.81	(0.80 - 0.81)
	Primary angle-closure	0.27	(0.27 - 0.27)
	Primary open-angle	4.76	(4.75 - 4.76)
	**Severe stage modifier of other diagnoses	0.61	(0.61 - 0.62)
Infectious and inflammatory diseases		8.46	(8.45 - 8.47)
	Conjunctivitis	3.78	(3.78 - 3.79)
	Endophthalmitis	0.05	(0.05 - 0.05)
	Eyelid disorders	3.34	(3.33 - 3.35)
	Infectious diseases	0.16	(0.16 - 0.16)
	Keratitis	1.83	(1.83 - 1.84)
	Lacrimal and orbit inflammation	0.13	(0.13 - 0.13)
	Other/unspecified infectious and inflammatory diseases	0.47	(0.46 - 0.47)
Injury, burns and surgical complications of the eye		1.1	(1.09 - 1.10)
	Burn	0.01	(0.01 - 0.01)
	Injury	0.88	(0.88 - 0.89)
	Surgical complication	0.23	(0.22 - 0.23)

Category	Subgroup	Prevalence (95% CI)	
Orbital and external disease diseases		9.83	(9.82 - 9.84)
	Congenital anomalies	0.09	(0.09 - 0.09)
	Disorders of the globe	0.07	(0.07 - 0.07)
	Dry eye syndrome	0	(0.00 - 0.00)
	Eyelid disorders	3.42	(3.42 - 3.43)
	Lacrimal diseases	7.15	(7.14 - 7.16)
	Other/unspecified orbital and external disease diseases	0.1	(0.09 - 0.10)
Other eye disorders		8.21	(8.21 - 8.22)
Other retinal disorders		6.75	(6.74 - 6.76)
	Branch retinal artery occlusion	0.11	(0.11 - 0.11)
	Branch retinal vein occlusion	0.4	(0.40 - 0.40)
	Central retinal arterial occlusion	0.07	(0.06 - 0.07)
	Central retinal vein occlusion	0.25	(0.25 - 0.25)
	Hereditary chorioretinal dystrophy	0.22	(0.21 - 0.22)
	Macular edema (not diabetic)	0.5	(0.49 - 0.50)
	Myopic degeneration	0.12	(0.12 - 0.13)
	Non-Occlusive	1.55	(1.54 - 1.55)
	Other/unspecified other retinal diso	4.76	(4.75 - 4.77)
	Retina vascular disease, Occlusive	0.13	(0.13 - 0.13)
Other visual disturbances		2.87	(2.86 - 2.87)
	Color blindness	0.01	(0.01 - 0.01)
	Night blindness	1.84	(1.84 - 1.85)
	Other/unspecified visual disturbances	0.54	(0.54 - 0.54)
	Visual field defect	0.67	(0.67 - 0.68)
Retinal detachment and defects		0.82	(0.82 - 0.82)
Strabismus and amblyopia		0.96	(0.95 - 0.96)
	Amblyopia	0.3	(0.30 - 0.31)
	Strabismus	0.69	(0.69 - 0.70)

Table 12a. Medical Diagnosis Categories by Age Group, 2014

	0-17 years		18-39 years		40-64 years		65-84 years		85+ years		All Ages	
Age related macular degeneration	.	(. - .)	0.19	(0.19 - 0.20)	1.17	(1.16 - 1.18)	8.22	(8.21 - 8.23)	23.71	(23.66 - 23.75)	9.01	(9.00 - 9.02)
Blindness and low vision	2.42	(1.62 - 3.48)	0.84	(0.82 - 0.86)	0.93	(0.92 - 0.94)	0.57	(0.57 - 0.57)	1.55	(1.54 - 1.57)	0.76	(0.76 - 0.76)
Cancer and neoplasms of the eye	.	(. - .)	0.02	(0.02 - 0.03)	0.04	(0.04 - 0.04)	0.09	(0.09 - 0.09)	0.1	(0.10 - 0.11)	0.08	(0.08 - 0.09)
Cataracts	1.9	(1.20 - 2.87)	1.78	(1.75 - 1.81)	12.87	(12.84 - 12.91)	36.65	(36.63 - 36.67)	34.97	(34.93 - 35.02)	32.01	(31.99 - 32.03)
Cornea disorders	1.13	(0.60 - 1.92)	0.7	(0.68 - 0.72)	1.15	(1.14 - 1.16)	2.78	(2.77 - 2.78)	4.14	(4.12 - 4.16)	2.66	(2.66 - 2.67)
Diabetic eye diseases	.	(. - .)	1.15	(1.12 - 1.17)	3.87	(3.85 - 3.89)	3.64	(3.63 - 3.65)	2.66	(2.64 - 2.68)	3.48	(3.47 - 3.48)
Disorders of optic nerve and vis	2.25	(1.48 - 3.28)	0.95	(0.93 - 0.97)	1.06	(1.05 - 1.07)	1.28	(1.28 - 1.29)	1.77	(1.76 - 1.79)	1.3	(1.30 - 1.31)
Disorders of refraction and acco	9.26	(7.65 - 11.08)	5.47	(5.42 - 5.51)	6.22	(6.20 - 6.24)	9.15	(9.14 - 9.16)	8.03	(8.00 - 8.06)	8.47	(8.46 - 8.48)
Glaucoma	1.3	(0.73 - 2.13)	2.01	(1.98 - 2.04)	5.66	(5.64 - 5.68)	13.49	(13.48 - 13.51)	18.69	(18.65 - 18.73)	12.72	(12.71 - 12.73)
Infectious and inflammatory disease	6.49	(5.14 - 8.07)	5.6	(5.55 - 5.65)	6.78	(6.76 - 6.81)	10.41	(10.40 - 10.42)	12.83	(12.80 - 12.86)	10.07	(10.06 - 10.08)
Injury, burns and surgical complications	2.34	(1.55 - 3.38)	1.25	(1.23 - 1.28)	1.31	(1.30 - 1.32)	1.36	(1.36 - 1.37)	1.82	(1.81 - 1.83)	1.41	(1.41 - 1.42)
Orbital and external disease	1.82	(1.13 - 2.77)	2.7	(2.67 - 2.74)	5.49	(5.46 - 5.51)	12.44	(12.43 - 12.46)	15.99	(15.95 - 16.02)	11.63	(11.62 - 11.64)
Other eye disorders	1.13	(0.60 - 1.92)	2.1	(2.07 - 2.13)	3.95	(3.93 - 3.97)	10.99	(10.98 - 11.00)	11.4	(11.36 - 11.43)	9.77	(9.76 - 9.78)
Other retinal disorders	2.86	(1.97 - 3.99)	1.47	(1.44 - 1.50)	3.45	(3.44 - 3.47)	8.33	(8.32 - 8.35)	11.05	(11.02 - 11.08)	7.79	(7.78 - 7.80)
Other visual disturbances	3.64	(2.63 - 4.88)	3.34	(3.30 - 3.38)	3.36	(3.35 - 3.38)	3.57	(3.56 - 3.58)	4.27	(4.25 - 4.29)	3.63	(3.62 - 3.63)
Retinal detachment and defects	.	(. - .)	0.38	(0.37 - 0.39)	0.59	(0.58 - 0.60)	1.09	(1.09 - 1.10)	0.8	(0.79 - 0.81)	0.96	(0.96 - 0.96)
Strabismus and amblyopia	6.15	(4.83 - 7.69)	1.91	(1.88 - 1.94)	1.23	(1.22 - 1.24)	1.09	(1.08 - 1.09)	1.27	(1.26 - 1.28)	1.16	(1.15 - 1.16)

Table 12b. Medical Diagnosis Categories by Age Group, 2015

	0-17 years		18-39 years		40-64 years		65-84 years		85+ years		All Ages	
Age related macular degeneration	0.28	(0.06 - 0.81)	0.15	(0.14 - 0.16)	0.96	(0.95 - 0.97)	6.89	(6.88 - 6.91)	21	(20.96 - 21.05)	7.7	(7.69 - 7.71)
Blindness and low vision	1.94	(1.20 - 2.94)	0.71	(0.70 - 0.73)	0.79	(0.78 - 0.80)	0.45	(0.45 - 0.46)	1.25	(1.24 - 1.26)	0.61	(0.61 - 0.61)
Cancer and neoplasms of the eye	.	(. - .)	0.02	(0.02 - 0.02)	0.03	(0.03 - 0.03)	0.08	(0.08 - 0.08)	0.09	(0.09 - 0.09)	0.07	(0.07 - 0.07)
Cataracts	2.21	(1.42 - 3.27)	1.41	(1.38 - 1.43)	10.53	(10.50 - 10.56)	29.92	(29.90 - 29.94)	29.24	(29.20 - 29.29)	26.31	(26.29 - 26.32)
Cornea disorders	0.37	(0.10 - 0.94)	0.57	(0.55 - 0.58)	0.94	(0.93 - 0.95)	2.3	(2.29 - 2.30)	3.55	(3.53 - 3.57)	2.22	(2.22 - 2.23)
Diabetic eye diseases	.	(. - .)	0.98	(0.96 - 1.00)	3.33	(3.32 - 3.35)	3.04	(3.03 - 3.05)	2.29	(2.27 - 2.30)	2.93	(2.92 - 2.93)
Disorders of optic nerve and vis	1.75	(1.06 - 2.72)	0.82	(0.80 - 0.84)	0.86	(0.85 - 0.87)	1.08	(1.07 - 1.08)	1.5	(1.49 - 1.52)	1.09	(1.09 - 1.10)
Disorders of refraction and acco	6.64	(5.23 - 8.28)	4.4	(4.35 - 4.44)	5.03	(5.01 - 5.05)	7.4	(7.39 - 7.42)	6.62	(6.60 - 6.65)	6.88	(6.88 - 6.89)
Glaucoma	0.83	(0.38 - 1.57)	1.7	(1.67 - 1.73)	4.93	(4.91 - 4.95)	12.1	(12.08 - 12.11)	17.4	(17.36 - 17.43)	11.48	(11.47 - 11.50)
Infectious and inflammatory disease	5.07	(3.84 - 6.55)	4.57	(4.52 - 4.61)	5.6	(5.58 - 5.63)	8.74	(8.73 - 8.75)	10.9	(10.87 - 10.93)	8.46	(8.45 - 8.47)
Injury, burns and surgical complications	2.03	(1.27 - 3.05)	0.97	(0.95 - 1.00)	1.03	(1.02 - 1.04)	1.06	(1.05 - 1.06)	1.43	(1.42 - 1.44)	1.1	(1.09 - 1.10)
Orbital and external disease	1.84	(1.13 - 2.83)	2.23	(2.20 - 2.27)	4.55	(4.53 - 4.57)	10.46	(10.44 - 10.47)	13.85	(13.81 - 13.88)	9.83	(9.82 - 9.84)
Other eye disorders	1.01	(0.51 - 1.81)	1.68	(1.65 - 1.70)	3.23	(3.21 - 3.25)	9.17	(9.15 - 9.18)	9.89	(9.86 - 9.92)	8.21	(8.21 - 8.22)
Other retinal disorders	1.94	(1.20 - 2.94)	1.23	(1.21 - 1.25)	2.91	(2.90 - 2.93)	7.16	(7.15 - 7.17)	9.87	(9.84 - 9.90)	6.75	(6.74 - 6.76)
Other visual disturbances	3.78	(2.73 - 5.09)	2.64	(2.61 - 2.68)	2.66	(2.64 - 2.67)	2.81	(2.80 - 2.82)	3.45	(3.43 - 3.47)	2.87	(2.86 - 2.87)
Retinal detachment and defects	.	(. - .)	0.33	(0.31 - 0.34)	0.5	(0.50 - 0.51)	0.93	(0.92 - 0.93)	0.69	(0.68 - 0.70)	0.82	(0.82 - 0.82)
Strabismus and amblyopia	5.81	(4.49 - 7.37)	1.55	(1.53 - 1.58)	1	(0.99 - 1.01)	0.9	(0.90 - 0.91)	1.08	(1.07 - 1.09)	0.96	(0.95 - 0.96)

Table 13a. Medical Diagnosis Categories by Sex, 2014

	Female		Male		All	
Age related macular degeneration	10.50	(10.48 - 10.51)	7.16	(7.15 - 7.18)	9.01	(9.00 - 9.02)
Blindness and low vision	0.80	(0.80 - 0.81)	0.71	(0.70 - 0.71)	0.76	(0.76 - 0.76)
Cancer and neoplasms of the eye	0.08	(0.08 - 0.08)	0.09	(0.08 - 0.09)	0.08	(0.08 - 0.09)
Cataracts	34.86	(34.84 - 34.88)	28.46	(28.44 - 28.49)	32.01	(31.99 - 32.03)
Cornea disorders	3.07	(3.06 - 3.08)	2.15	(2.15 - 2.16)	2.66	(2.66 - 2.67)
Diabetic eye diseases	3.38	(3.37 - 3.39)	3.6	(3.59 - 3.61)	3.48	(3.47 - 3.48)
Disorders of optic nerve and vis	1.39	(1.39 - 1.40)	1.2	(1.19 - 1.20)	1.3	(1.30 - 1.31)
Disorders of refraction and acco	9.24	(9.23 - 9.26)	7.52	(7.51 - 7.53)	8.47	(8.46 - 8.48)
Glaucoma	13.96	(13.94 - 13.97)	11.18	(11.16 - 11.20)	12.72	(12.71 - 12.73)
Infectious and inflammatory disease	11.48	(11.46 - 11.49)	8.32	(8.30 - 8.33)	10.07	(10.06 - 10.08)
Injury, burns and surgical complications	1.41	(1.40 - 1.41)	1.41	(1.41 - 1.42)	1.41	(1.41 - 1.42)
Orbital and external disease	13.98	(13.96 - 14.00)	8.71	(8.69 - 8.72)	11.63	(11.62 - 11.64)
Other eye disorders	10.82	(10.81 - 10.84)	8.47	(8.45 - 8.48)	9.77	(9.76 - 9.78)
Other retinal disorders	8.23	(8.22 - 8.24)	7.25	(7.23 - 7.26)	7.79	(7.78 - 7.80)
Other visual disturbances	3.92	(3.91 - 3.93)	3.26	(3.25 - 3.27)	3.63	(3.62 - 3.63)
Retinal detachment and defects	0.86	(0.85 - 0.86)	1.09	(1.08 - 1.10)	0.96	(0.96 - 0.96)
Strabismus and amblyopia	1.17	(1.16 - 1.18)	1.14	(1.13 - 1.14)	1.16	(1.15 - 1.16)

Table 13b. Medical Diagnosis Categories by Sex, 2015

	Female		Male		All	
Age related macular degeneration	8.99	(8.98 - 9.00)	6.1	(6.08 - 6.11)	7.7	(7.69 - 7.71)
Blindness and low vision	0.64	(0.63 - 0.64)	0.58	(0.57 - 0.58)	0.61	(0.61 - 0.61)
Cancer and neoplasms of the eye	0.07	(0.07 - 0.07)	0.07	(0.07 - 0.07)	0.07	(0.07 - 0.07)
Cataracts	28.73	(28.70 - 28.75)	23.3	(23.28 - 23.33)	26.31	(26.29 - 26.32)
Cornea disorders	2.57	(2.56 - 2.58)	1.79	(1.78 - 1.79)	2.22	(2.22 - 2.23)
Diabetic eye diseases	2.84	(2.83 - 2.84)	3.04	(3.03 - 3.05)	2.93	(2.92 - 2.93)
Disorders of optic nerve and vis	1.16	(1.16 - 1.17)	1.01	(1.00 - 1.01)	1.09	(1.09 - 1.10)

	Female		Male		All	
Disorders of refraction and acco	7.55	(7.53 - 7.56)	6.06	(6.05 - 6.08)	6.88	(6.88 - 6.89)
Glaucoma	12.58	(12.57 - 12.60)	10.12	(10.11 - 10.14)	11.48	(11.47 - 11.50)
Infectious and inflammatory disease	9.68	(9.67 - 9.70)	6.94	(6.93 - 6.96)	8.46	(8.45 - 8.47)
Injury, burns and surgical complications	1.09	(1.09 - 1.10)	1.1	(1.10 - 1.11)	1.1	(1.09 - 1.10)
Orbital and external disease	11.87	(11.86 - 11.89)	7.3	(7.29 - 7.32)	9.83	(9.82 - 9.84)
Other eye disorders	9.12	(9.11 - 9.13)	7.09	(7.08 - 7.10)	8.21	(8.21 - 8.22)
Other retinal disorders	7.14	(7.13 - 7.15)	6.26	(6.25 - 6.28)	6.75	(6.74 - 6.76)
Other visual disturbances	3.11	(3.10 - 3.12)	2.57	(2.56 - 2.58)	2.87	(2.86 - 2.87)
Retinal detachment and defects	0.73	(0.73 - 0.73)	0.93	(0.93 - 0.94)	0.82	(0.82 - 0.82)
Strabismus and amblyopia	0.98	(0.97 - 0.98)	0.93	(0.93 - 0.94)	0.96	(0.95 - 0.96)

Table 14a. Medical Diagnosis Categories by Race/Ethnicity, 2014

	AIAN		Asian		Black		Hispanic		White		Other		All Races	
Age related macular degeneration	5.38	(5.27 - 5.49)	8.46	(8.39 - 8.53)	2.51	(2.50 - 2.53)	5.29	(5.26 - 5.33)	10.12	(10.11 - 10.13)	6.67	(6.56 - 6.77)	9.01	(9.00 - 9.02)
Blindness and low vision	1.45	(1.40 - 1.51)	0.71	(0.69 - 0.73)	1.16	(1.15 - 1.18)	1.12	(1.10 - 1.13)	0.68	(0.68 - 0.69)	0.64	(0.61 - 0.67)	0.76	(0.76 - 0.76)
Cancer and neoplasms	0.05	(0.04 - 0.07)	0.04	(0.04 - 0.05)	0.03	(0.03 - 0.03)	0.05	(0.04 - 0.05)	0.1	(0.09 - 0.10)	0.06	(0.05 - 0.07)	0.08	(0.08 - 0.09)
Cataracts	25.66	(25.45 - 25.88)	30.38	(30.27 - 30.49)	23.52	(23.47 - 23.57)	23.31	(23.25 - 23.38)	33.74	(33.72 - 33.76)	31.17	(30.98 - 31.36)	32.01	(31.99 - 32.03)
Cornea disorders	2.29	(2.22 - 2.36)	2.65	(2.62 - 2.69)	1.98	(1.96 - 2.00)	2.09	(2.07 - 2.11)	2.79	(2.78 - 2.80)	2.36	(2.29 - 2.42)	2.66	(2.66 - 2.67)
Diabetic eye diseases	6.01	(5.90 - 6.13)	5.31	(5.26 - 5.36)	5.75	(5.72 - 5.78)	6.59	(6.56 - 6.63)	2.9	(2.89 - 2.91)	4.91	(4.82 - 5.00)	3.48	(3.47 - 3.48)
Disorders of optic nerve and vis	1.12	(1.07 - 1.17)	1.74	(1.71 - 1.77)	1.39	(1.37 - 1.40)	1.41	(1.39 - 1.43)	1.27	(1.27 - 1.28)	1.48	(1.43 - 1.53)	1.3	(1.30 - 1.31)
Disorders of refraction and acco	14.13	(13.96 - 14.30)	5.87	(5.81 - 5.92)	5.83	(5.80 - 5.86)	6.02	(5.99 - 6.06)	9.01	(9.00 - 9.02)	7.37	(7.26 - 7.48)	8.47	(8.46 - 8.48)
Glaucoma	10.09	(9.94 - 10.23)	17.25	(17.16 - 17.34)	15.86	(15.82 - 15.91)	12.26	(12.21 - 12.31)	12.25	(12.23 - 12.26)	14.65	(14.50 - 14.79)	12.72	(12.71 - 12.73)

	AIAN		Asian		Black		Hispanic		White		Other		All Races	
Infectious and inflammatory	9.58	(9.44 - 9.72)	14.96	(14.88 - 15.05)	7.89	(7.86 - 7.92)	10.78	(10.73 - 10.83)	10.13	(10.12 - 10.15)	10.87	(10.74 - 11.00)	10.07	(10.06 - 10.08)
Injury, burns and surgical compl.	1.49	(1.43 - 1.55)	1.46	(1.43 - 1.48)	1.19	(1.18 - 1.20)	1.28	(1.26 - 1.29)	1.45	(1.44 - 1.45)	1.32	(1.27 - 1.37)	1.41	(1.41 - 1.42)
Orbital and external disease	12.39	(12.23 - 12.55)	15.46	(15.37 - 15.54)	7.85	(7.82 - 7.88)	10.33	(10.29 - 10.38)	12.06	(12.04 - 12.07)	12.02	(11.89 - 12.16)	11.63	(11.62 - 11.64)
Other eye disorders	6.25	(6.13 - 6.36)	9.82	(9.75 - 9.89)	5.74	(5.71 - 5.77)	7.07	(7.03 - 7.11)	10.47	(10.46 - 10.49)	9.57	(9.44 - 9.69)	9.77	(9.76 - 9.78)
Other retinal disorders	6.64	(6.52 - 6.76)	9.61	(9.54 - 9.68)	6.42	(6.39 - 6.44)	6.88	(6.84 - 6.92)	7.97	(7.96 - 7.98)	8.48	(8.36 - 8.59)	7.79	(7.78 - 7.80)
Other visual disturbances	3.23	(3.14 - 3.31)	3.7	(3.66 - 3.75)	3.08	(3.06 - 3.10)	3.37	(3.35 - 3.40)	3.71	(3.70 - 3.72)	3.59	(3.52 - 3.67)	3.63	(3.62 - 3.63)
Retinal detachment and defects	0.78	(0.73 - 0.82)	0.97	(0.95 - 0.99)	0.69	(0.68 - 0.70)	0.81	(0.80 - 0.82)	1	(1.00 - 1.01)	1.05	(1.01 - 1.09)	0.96	(0.96 - 0.96)
Strabismus and amblyopia	1.11	(1.06 - 1.17)	0.76	(0.74 - 0.78)	0.74	(0.73 - 0.75)	0.81	(0.80 - 0.83)	1.24	(1.24 - 1.25)	0.99	(0.95 - 1.03)	1.16	(1.15 - 1.16)

Table 14b. Medical Diagnosis Categories by Race/Ethnicity, 2015

	AIAN		Asian		Black		Hispanic		White		Other		All Races	
Age related macular degeneration	4.59	(4.49 - 4.69)	7.15	(7.09 - 7.21)	2.12	(2.10 - 2.14)	4.51	(4.48 - 4.54)	8.64	(8.63 - 8.65)	5.89	(5.79 - 5.98)	7.7	(7.69 - 7.71)
Blindness and low vision	1.13	(1.08 - 1.18)	0.6	(0.58 - 0.62)	0.95	(0.94 - 0.96)	0.87	(0.86 - 0.88)	0.55	(0.55 - 0.55)	0.52	(0.49 - 0.55)	0.61	(0.61 - 0.61)
Cancer and neoplasms	0.03	(0.03 - 0.04)	0.04	(0.03 - 0.04)	0.02	(0.02 - 0.02)	0.04	(0.04 - 0.04)	0.08	(0.08 - 0.08)	0.05	(0.04 - 0.06)	0.07	(0.07 - 0.07)
Cataracts	21.11	(20.92 - 21.31)	25.5	(25.40 - 25.60)	19.89	(19.85 - 19.94)	19.36	(19.30 - 19.42)	27.61	(27.60 - 27.63)	26.23	(26.05 - 26.41)	26.31	(26.29 - 26.32)
Cornea disorders	1.92	(1.85 - 1.99)	2.22	(2.19 - 2.25)	1.68	(1.66 - 1.69)	1.72	(1.70 - 1.74)	2.32	(2.32 - 2.33)	2.01	(1.95 - 2.06)	2.22	(2.22 - 2.23)
Diabetic eye diseases	5.03	(4.93 - 5.14)	4.58	(4.53 - 4.63)	4.94	(4.91 - 4.96)	5.69	(5.66 - 5.73)	2.42	(2.41 - 2.42)	4.27	(4.19 - 4.36)	2.93	(2.92 - 2.93)
Disorders of optic nerve and vis	0.88	(0.83 - 0.92)	1.49	(1.46 - 1.52)	1.17	(1.16 - 1.18)	1.14	(1.13 - 1.16)	1.07	(1.07 - 1.07)	1.26	(1.22 - 1.31)	1.09	(1.09 - 1.10)

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	AIAN		Asian		Black		Hispanic		White		Other		All Races	
Disorders of refraction and acco	11.41	(11.25 - 11.56)	4.78	(4.74 - 4.83)	4.71	(4.69 - 4.74)	4.99	(4.96 - 5.03)	7.31	(7.30 - 7.32)	6.12	(6.02 - 6.21)	6.88	(6.88 - 6.89)
Glaucoma	8.97	(8.84 - 9.11)	15.61	(15.53 - 15.70)	14.57	(14.53 - 14.61)	11.02	(10.97 - 11.06)	11.03	(11.02 - 11.04)	13.54	(13.40 - 13.68)	11.48	(11.47 - 11.50)
Infectious and inflammatory	7.94	(7.81 - 8.07)	12.54	(12.46 - 12.62)	6.66	(6.64 - 6.69)	9.03	(8.99 - 9.07)	8.51	(8.50 - 8.52)	9.19	(9.07 - 9.30)	8.46	(8.45 - 8.47)
Injury, burns and surgical compl.	1.16	(1.11 - 1.22)	1.13	(1.10 - 1.15)	0.93	(0.92 - 0.94)	1.01	(0.99 - 1.02)	1.12	(1.12 - 1.13)	1.03	(0.99 - 1.07)	1.1	(1.09 - 1.10)
Orbital and external disease	10.34	(10.20 - 10.49)	13.22	(13.15 - 13.30)	6.75	(6.72 - 6.78)	8.69	(8.65 - 8.73)	10.17	(10.16 - 10.18)	10.45	(10.33 - 10.58)	9.83	(9.82 - 9.84)
Other eye disorders	5.33	(5.23 - 5.44)	8.21	(8.14 - 8.27)	4.85	(4.83 - 4.88)	5.97	(5.94 - 6.01)	8.79	(8.78 - 8.80)	8.18	(8.06 - 8.29)	8.21	(8.21 - 8.22)
Other retinal disorders	5.78	(5.67 - 5.89)	8.36	(8.30 - 8.42)	5.54	(5.51 - 5.56)	5.93	(5.90 - 5.97)	6.9	(6.89 - 6.91)	7.53	(7.42 - 7.64)	6.75	(6.74 - 6.76)
Other visual disturbances	2.54	(2.46 - 2.61)	2.99	(2.96 - 3.03)	2.44	(2.42 - 2.46)	2.62	(2.60 - 2.65)	2.93	(2.93 - 2.94)	2.93	(2.86 - 3.00)	2.87	(2.86 - 2.87)
Retinal detachment and defects	0.63	(0.59 - 0.67)	0.82	(0.80 - 0.84)	0.59	(0.58 - 0.60)	0.71	(0.69 - 0.72)	0.85	(0.85 - 0.86)	0.91	(0.87 - 0.95)	0.82	(0.82 - 0.82)
Strabismus and amblyopia	0.94	(0.89 - 0.99)	0.62	(0.60 - 0.64)	0.61	(0.60 - 0.62)	0.67	(0.66 - 0.68)	1.03	(1.03 - 1.03)	0.8	(0.76 - 0.84)	0.96	(0.95 - 0.96)

Table 15a. Medical Diagnosis Categories by State, 2014, Age related macular degeneration

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	9.01	(9.02 - 9.00)	NE	12.17	(12.30 - 12.03)
AK	7.4	(7.46 - 7.33)	NV	7.37	(7.48 - 7.26)
AZ	6.86	(7.06 - 6.67)	NH	8.61	(8.74 - 8.49)
AR	9.09	(9.17 - 9.01)	NJ	10.05	(10.11 - 9.99)
CA	9.06	(9.15 - 8.98)	NM	7.79	(7.91 - 7.68)
CO	8.81	(8.84 - 8.77)	NY	10.58	(10.62 - 10.53)
CT	9.12	(9.22 - 9.03)	NC	7.75	(7.80 - 7.70)
DE	11.52	(11.62 - 11.42)	ND	13.6	(13.83 - 13.37)
DC	9.92	(10.08 - 9.77)	OH	8.62	(8.67 - 8.56)
FL	4.89	(5.08 - 4.71)	OK	8.48	(8.56 - 8.40)
GA	11.76	(11.80 - 11.71)	OR	8.05	(8.14 - 7.95)
HI	6.92	(6.97 - 6.87)	PA	10.72	(10.77 - 10.66)
ID	10.52	(10.72 - 10.32)	PR	4.9	(5.07 - 4.73)
IL	9.54	(9.69 - 9.40)	RI	11.58	(11.78 - 11.37)
IN	8.95	(9.00 - 8.90)	SC	7.45	(7.52 - 7.39)
IA	8.94	(9.00 - 8.87)	SD	11.07	(11.26 - 10.88)
KS	12.83	(12.94 - 12.73)	TN	7.69	(7.75 - 7.62)
KY	11.07	(11.17 - 10.96)	TX	7.79	(7.83 - 7.75)
LA	6.95	(7.02 - 6.89)	UT	10.26	(10.41 - 10.12)
ME	8.04	(8.12 - 7.96)	VT	7.6	(7.76 - 7.43)
MD	9.33	(9.46 - 9.21)	VI	3.7	(4.01 - 3.41)
MA	8.5	(8.57 - 8.44)	VA	8.13	(8.19 - 8.07)
MI	9.27	(9.34 - 9.21)	WA	8.76	(8.83 - 8.70)
MN	8.57	(8.62 - 8.51)	WV	7.04	(7.14 - 6.94)
MS	8.28	(8.38 - 8.19)	WI	8.13	(8.20 - 8.05)
MO	7.28	(7.36 - 7.20)	WY	10.89	(11.11 - 10.67)
MT	8.77	(8.83 - 8.70)	US	9.01	(9.02 - 9.00)

Table 15b. Medical Diagnosis Categories by State, 2014, Blindness and low vision

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	0.76	(0.76 - 0.76)	NE	0.61	(0.64 - 0.58)
AK	0.58	(0.60 - 0.56)	NV	0.66	(0.70 - 0.63)
AZ	0.8	(0.87 - 0.73)	NH	0.55	(0.58 - 0.51)
AR	0.81	(0.84 - 0.79)	NJ	0.75	(0.76 - 0.73)
CA	0.55	(0.58 - 0.53)	NM	0.82	(0.86 - 0.78)
CO	0.77	(0.78 - 0.76)	NY	0.74	(0.76 - 0.73)
CT	0.67	(0.70 - 0.65)	NC	0.67	(0.68 - 0.65)
DE	0.79	(0.82 - 0.76)	ND	0.64	(0.69 - 0.59)
DC	0.6	(0.64 - 0.56)	OH	0.7	(0.71 - 0.68)
FL	1.05	(1.14 - 0.96)	OK	0.96	(0.99 - 0.93)
GA	0.88	(0.90 - 0.87)	OR	0.73	(0.76 - 0.70)
HI	0.68	(0.69 - 0.66)	PA	0.76	(0.78 - 0.74)
ID	0.43	(0.48 - 0.39)	PR	0.54	(0.60 - 0.49)
IL	0.52	(0.56 - 0.48)	RI	0.77	(0.83 - 0.72)
IN	0.87	(0.89 - 0.86)	SC	0.61	(0.63 - 0.59)
IA	0.68	(0.70 - 0.66)	SD	0.66	(0.71 - 0.62)
KS	0.49	(0.51 - 0.46)	TN	0.62	(0.64 - 0.60)
KY	0.82	(0.85 - 0.79)	TX	1.11	(1.12 - 1.09)
LA	0.89	(0.92 - 0.87)	UT	0.59	(0.63 - 0.55)
ME	0.9	(0.93 - 0.87)	VT	0.61	(0.66 - 0.56)
MD	0.61	(0.64 - 0.57)	VI	0.71	(0.85 - 0.58)
MA	0.61	(0.62 - 0.59)	VA	0.63	(0.65 - 0.62)
MI	0.93	(0.95 - 0.91)	WA	0.64	(0.66 - 0.62)
MN	0.83	(0.85 - 0.82)	WV	0.6	(0.63 - 0.57)
MS	0.86	(0.89 - 0.83)	WI	0.75	(0.77 - 0.72)
MO	0.58	(0.60 - 0.55)	WY	0.52	(0.57 - 0.47)
MT	0.67	(0.69 - 0.65)	US	0.76	(0.76 - 0.76)

Table 15c. Medical Diagnosis Categories by State, 2014, Cancer and neoplasms of the eye diseases

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	0.08	(0.09 - 0.08)	NE	0.1	(0.12 - 0.09)
AK	0.11	(0.12 - 0.10)	NV	0.09	(0.11 - 0.08)
AZ	0.06	(0.08 - 0.04)	NH	0.09	(0.10 - 0.08)
AR	0.08	(0.09 - 0.08)	NJ	0.09	(0.09 - 0.08)
CA	0.07	(0.08 - 0.06)	NM	0.05	(0.06 - 0.04)
CO	0.1	(0.10 - 0.10)	NY	0.09	(0.10 - 0.09)
CT	0.11	(0.12 - 0.10)	NC	0.05	(0.06 - 0.05)
DE	0.09	(0.10 - 0.08)	ND	0.06	(0.07 - 0.04)
DC	0.07	(0.08 - 0.06)	OH	0.06	(0.07 - 0.06)
FL	0.03	(0.05 - 0.02)	OK	0.11	(0.12 - 0.10)
GA	0.1	(0.11 - 0.10)	OR	0.09	(0.11 - 0.08)
HI	0.13	(0.13 - 0.12)	PA	0.09	(0.09 - 0.08)
ID	0.03	(0.05 - 0.02)	PR	0.05	(0.07 - 0.04)
IL	0.1	(0.11 - 0.08)	RI	0.1	(0.13 - 0.08)
IN	0.08	(0.09 - 0.08)	SC	0.06	(0.07 - 0.06)
IA	0.09	(0.09 - 0.08)	SD	0.06	(0.07 - 0.04)
KS	0.06	(0.06 - 0.05)	TN	0.08	(0.08 - 0.07)
KY	0.08	(0.09 - 0.07)	TX	0.07	(0.07 - 0.06)
LA	0.08	(0.09 - 0.08)	UT	0.08	(0.09 - 0.07)
ME	0.07	(0.08 - 0.06)	VT	0.13	(0.15 - 0.11)
MD	0.12	(0.14 - 0.10)	VI	0.03	(0.07 - 0.01)
MA	0.08	(0.09 - 0.07)	VA	0.09	(0.09 - 0.08)
MI	0.09	(0.10 - 0.09)	WA	0.1	(0.11 - 0.09)
MN	0.08	(0.09 - 0.07)	WV	0.07	(0.08 - 0.06)
MS	0.05	(0.06 - 0.05)	WI	0.06	(0.07 - 0.06)
MO	0.07	(0.08 - 0.06)	WY	0.11	(0.13 - 0.09)
MT	0.07	(0.07 - 0.06)	US	0.08	(0.09 - 0.08)

Table 15d. Medical Diagnosis Categories by State, 2014, Cataracts

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	32.01	(32.03 - 31.99)	NE	39.08	(39.28 - 38.88)
AK	30	(30.12 - 29.89)	NV	27.96	(28.15 - 27.78)
AZ	20.65	(20.97 - 20.34)	NH	32.29	(32.50 - 32.09)
AR	32.98	(33.11 - 32.85)	NJ	33.47	(33.57 - 33.38)
CA	32.57	(32.71 - 32.42)	NM	30.49	(30.70 - 30.29)
CO	30.02	(30.08 - 29.96)	NY	32.21	(32.28 - 32.14)
CT	29.87	(30.02 - 29.72)	NC	32.79	(32.88 - 32.70)
DE	38.08	(38.24 - 37.93)	ND	39.7	(40.04 - 39.37)
DC	40.75	(41.01 - 40.49)	OH	31.04	(31.13 - 30.95)
FL	28.84	(29.23 - 28.46)	OK	29.39	(29.53 - 29.26)
GA	33.06	(33.13 - 33.00)	OR	28.78	(28.94 - 28.63)
HI	29.45	(29.54 - 29.35)	PA	35.9	(35.99 - 35.82)
ID	32.71	(33.02 - 32.41)	PR	21.18	(21.50 - 20.86)
IL	29.84	(30.07 - 29.61)	RI	35.1	(35.40 - 34.80)
IN	32.52	(32.60 - 32.44)	SC	33.5	(33.62 - 33.38)
IA	31.07	(31.18 - 30.97)	SD	36.3	(36.59 - 36.01)
KS	41.48	(41.63 - 41.33)	TN	29.76	(29.87 - 29.65)
KY	39.47	(39.63 - 39.31)	TX	30.58	(30.64 - 30.51)
LA	26.92	(27.04 - 26.80)	UT	30.13	(30.34 - 29.91)
ME	29.14	(29.27 - 29.00)	VT	28.49	(28.77 - 28.21)
MD	29.91	(30.11 - 29.71)	VI	30.46	(31.19 - 29.73)
MA	33.64	(33.75 - 33.52)	VA	35.74	(35.84 - 35.64)
MI	33.78	(33.89 - 33.68)	WA	30.38	(30.50 - 30.27)
MN	29.01	(29.10 - 28.93)	WV	27.51	(27.68 - 27.33)
MS	29.94	(30.10 - 29.78)	WI	33.53	(33.66 - 33.41)
MO	30.75	(30.89 - 30.61)	WY	30.02	(30.35 - 29.69)
MT	34.22	(34.33 - 34.11)	US	32.01	(32.03 - 31.99)

Table 15e. Medical Diagnosis Categories by State, 2014, Cornea disorders

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	2.66	(2.67 - 2.66)	NE	3.24	(3.31 - 3.17)
AK	2.84	(2.88 - 2.80)	NV	2.16	(2.22 - 2.10)
AZ	2.42	(2.54 - 2.30)	NH	2.17	(2.23 - 2.10)
AR	2.64	(2.68 - 2.59)	NJ	3.3	(3.34 - 3.26)
CA	2.66	(2.71 - 2.61)	NM	1.96	(2.02 - 1.90)
CO	2.32	(2.34 - 2.30)	NY	3.45	(3.48 - 3.43)
CT	2	(2.04 - 1.95)	NC	2.67	(2.70 - 2.63)
DE	2.34	(2.38 - 2.29)	ND	2.85	(2.97 - 2.74)
DC	2.79	(2.88 - 2.71)	OH	2.46	(2.49 - 2.43)
FL	2.5	(2.64 - 2.38)	OK	2.5	(2.54 - 2.45)
GA	3.26	(3.28 - 3.23)	OR	1.85	(1.90 - 1.80)
HI	2.32	(2.36 - 2.29)	PA	3.03	(3.06 - 3.00)
ID	3.08	(3.20 - 2.97)	PR	1.84	(1.95 - 1.74)
IL	2.22	(2.29 - 2.14)	RI	2.09	(2.18 - 2.00)
IN	2.54	(2.57 - 2.51)	SC	2.54	(2.58 - 2.50)
IA	2.71	(2.75 - 2.68)	SD	2.54	(2.63 - 2.44)
KS	4.16	(4.22 - 4.10)	TN	2.18	(2.22 - 2.15)
KY	3.71	(3.77 - 3.65)	TX	2.74	(2.76 - 2.72)
LA	2.2	(2.24 - 2.16)	UT	2.26	(2.33 - 2.19)
ME	2.41	(2.46 - 2.37)	VT	1.91	(1.99 - 1.82)
MD	2.08	(2.14 - 2.02)	VI	2.01	(2.24 - 1.79)
MA	2.73	(2.77 - 2.69)	VA	2.73	(2.76 - 2.69)
MI	2.45	(2.48 - 2.41)	WA	2.11	(2.15 - 2.07)
MN	2.42	(2.45 - 2.39)	WV	2.14	(2.20 - 2.09)
MS	2.34	(2.39 - 2.29)	WI	2.46	(2.50 - 2.42)
MO	2.28	(2.32 - 2.23)	WY	2.21	(2.32 - 2.11)
MT	2.92	(2.96 - 2.88)	US	2.66	(2.67 - 2.66)

Table 15f. Medical Diagnosis Categories by State, 2014, Diabetic eye diseases

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	3.48	(3.48 - 3.47)	NE	2.95	(3.02 - 2.89)
AK	3.55	(3.60 - 3.51)	NV	2.66	(2.73 - 2.59)
AZ	2.27	(2.38 - 2.15)	NH	2.54	(2.61 - 2.47)
AR	2.41	(2.46 - 2.37)	NJ	4.42	(4.46 - 4.38)
CA	2.9	(2.96 - 2.85)	NM	2.95	(3.03 - 2.88)
CO	3.68	(3.70 - 3.66)	NY	4.45	(4.48 - 4.41)
CT	2.25	(2.30 - 2.20)	NC	3.42	(3.45 - 3.38)
DE	4.11	(4.17 - 4.04)	ND	2.87	(2.98 - 2.76)
DC	4.19	(4.29 - 4.08)	OH	3.77	(3.81 - 3.73)
FL	4.24	(4.41 - 4.07)	OK	3.18	(3.23 - 3.13)
GA	3.24	(3.26 - 3.22)	OR	2.35	(2.41 - 2.30)
HI	3.28	(3.32 - 3.24)	PA	3.83	(3.87 - 3.80)
ID	4.7	(4.84 - 4.56)	PR	5.76	(5.95 - 5.58)
IL	2.37	(2.45 - 2.30)	RI	4.48	(4.61 - 4.35)
IN	3.65	(3.69 - 3.62)	SC	3.13	(3.18 - 3.09)
IA	3.21	(3.25 - 3.17)	SD	2.44	(2.53 - 2.34)
KS	3.54	(3.59 - 3.48)	TN	2.87	(2.91 - 2.83)
KY	2.88	(2.93 - 2.82)	TX	3.66	(3.68 - 3.63)
LA	3.28	(3.33 - 3.24)	UT	2.72	(2.80 - 2.64)
ME	3.93	(3.98 - 3.87)	VT	2.56	(2.66 - 2.46)
MD	3.32	(3.40 - 3.25)	VI	9.15	(9.62 - 8.70)
MA	4.06	(4.11 - 4.01)	VA	3.46	(3.50 - 3.43)
MI	3.69	(3.74 - 3.65)	WA	2.87	(2.91 - 2.83)
MN	3.91	(3.94 - 3.87)	WV	3.88	(3.95 - 3.80)
MS	2.33	(2.38 - 2.28)	WI	2.74	(2.78 - 2.70)
MO	3.8	(3.86 - 3.74)	WY	2.03	(2.13 - 1.93)
MT	2.97	(3.01 - 2.93)	US	3.48	(3.48 - 3.47)

Table 15g. Medical Diagnosis Categories by State, 2014, Disorders of optic nerve and visual pathways

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	1.3	(1.31 - 1.30)	NE	1.07	(1.11 - 1.03)
AK	1.41	(1.44 - 1.38)	NV	1.01	(1.06 - 0.97)
AZ	1.38	(1.47 - 1.29)	NH	1.46	(1.51 - 1.41)
AR	1.15	(1.18 - 1.12)	NJ	1.58	(1.60 - 1.55)
CA	1.18	(1.21 - 1.15)	NM	1.13	(1.18 - 1.08)
CO	1.79	(1.80 - 1.77)	NY	1.93	(1.95 - 1.91)
CT	0.87	(0.90 - 0.84)	NC	1.03	(1.05 - 1.01)
DE	1.71	(1.76 - 1.67)	ND	1.23	(1.31 - 1.16)
DC	1.17	(1.23 - 1.12)	OH	1.03	(1.05 - 1.01)
FL	1.41	(1.51 - 1.31)	OK	0.98	(1.01 - 0.95)
GA	1.28	(1.30 - 1.27)	OR	0.76	(0.79 - 0.73)
HI	1.27	(1.29 - 1.24)	PA	1.56	(1.59 - 1.54)
ID	1.41	(1.49 - 1.33)	PR	0.98	(1.06 - 0.91)
IL	0.77	(0.81 - 0.73)	RI	2.01	(2.10 - 1.92)
IN	1.46	(1.48 - 1.43)	SC	0.83	(0.85 - 0.81)
IA	1.03	(1.06 - 1.01)	SD	0.93	(0.99 - 0.87)
KS	1.35	(1.38 - 1.31)	TN	0.88	(0.90 - 0.86)
KY	0.87	(0.90 - 0.84)	TX	1.5	(1.52 - 1.48)
LA	0.84	(0.87 - 0.82)	UT	0.93	(0.98 - 0.89)
ME	1.76	(1.80 - 1.72)	VT	1.25	(1.32 - 1.18)
MD	1.13	(1.18 - 1.08)	VI	0.72	(0.86 - 0.59)
MA	1.39	(1.42 - 1.37)	VA	1.14	(1.16 - 1.12)
MI	1.09	(1.12 - 1.07)	WA	0.94	(0.96 - 0.92)
MN	1.09	(1.11 - 1.07)	WV	0.87	(0.91 - 0.84)
MS	1.05	(1.08 - 1.01)	WI	1.18	(1.20 - 1.15)
MO	1.04	(1.07 - 1.01)	WY	0.81	(0.87 - 0.74)
MT	1.57	(1.60 - 1.54)	US	1.3	(1.31 - 1.30)

Table 15h. Medical Diagnosis Categories by State, 2014, Refraction and accommodation

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	8.47	(8.48 - 8.46)	NE	15.55	(15.70 - 15.40)
AK	9.77	(9.84 - 9.69)	NV	5.19	(5.28 - 5.09)
AZ	15.92	(16.21 - 15.64)	NH	8.96	(9.09 - 8.83)
AR	6.94	(7.00 - 6.87)	NJ	9.34	(9.40 - 9.28)
CA	5.31	(5.38 - 5.24)	NM	8.44	(8.56 - 8.31)
CO	7.54	(7.58 - 7.51)	NY	6.7	(6.74 - 6.67)
CT	7.94	(8.03 - 7.85)	NC	9.97	(10.03 - 9.92)
DE	12.1	(12.21 - 12.00)	ND	19.72	(20.00 - 19.46)
DC	6.43	(6.56 - 6.30)	OH	9.22	(9.27 - 9.16)
FL	7.82	(8.05 - 7.59)	OK	7.24	(7.32 - 7.17)
GA	7.25	(7.29 - 7.22)	OR	8.22	(8.31 - 8.12)
HI	6.81	(6.86 - 6.76)	PA	5.98	(6.02 - 5.93)
ID	5.8	(5.96 - 5.65)	PR	6.29	(6.48 - 6.10)
IL	10.11	(10.26 - 9.96)	RI	7.26	(7.42 - 7.10)
IN	8.24	(8.28 - 8.19)	SC	6.29	(6.35 - 6.23)
IA	9.75	(9.82 - 9.69)	SD	13.89	(14.10 - 13.68)
KS	12.66	(12.76 - 12.56)	TN	6.79	(6.85 - 6.73)
KY	18.67	(18.79 - 18.54)	TX	6.11	(6.14 - 6.07)
LA	7.68	(7.75 - 7.61)	UT	11.53	(11.68 - 11.38)
ME	6.53	(6.60 - 6.46)	VT	9.63	(9.81 - 9.45)
MD	6.94	(7.05 - 6.83)	VI	6.21	(6.60 - 5.83)
MA	6.76	(6.82 - 6.70)	VA	7.77	(7.83 - 7.71)
MI	6.3	(6.36 - 6.25)	WA	11.2	(11.27 - 11.12)
MN	8.39	(8.44 - 8.34)	WV	5.39	(5.48 - 5.31)
MS	27.83	(27.98 - 27.67)	WI	18.61	(18.71 - 18.50)
MO	5.75	(5.82 - 5.68)	WY	11.14	(11.37 - 10.92)
MT	8.01	(8.08 - 7.95)	US	8.47	(8.48 - 8.46)

Table 15i. Medical Diagnosis Categories by State, 2014, Glaucoma

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	12.72	(12.73 - 12.71)	NE	12.34	(12.48 - 12.21)
AK	10.31	(10.39 - 10.24)	NV	10.82	(10.95 - 10.70)
AZ	8.89	(9.11 - 8.67)	NH	13.28	(13.43 - 13.13)
AR	11.64	(11.73 - 11.56)	NJ	15.96	(16.03 - 15.89)
CA	10.75	(10.85 - 10.65)	NM	8.96	(9.09 - 8.83)
CO	13.76	(13.80 - 13.71)	NY	17.87	(17.93 - 17.81)
CT	9.29	(9.39 - 9.20)	NC	11.69	(11.75 - 11.62)
DE	17.33	(17.45 - 17.21)	ND	11.48	(11.69 - 11.26)
DC	14.99	(15.18 - 14.80)	OH	11.35	(11.41 - 11.29)
FL	20.03	(20.37 - 19.70)	OK	9.53	(9.62 - 9.45)
GA	15.22	(15.27 - 15.17)	OR	9.92	(10.02 - 9.82)
HI	10.8	(10.87 - 10.74)	PA	14.36	(14.42 - 14.29)
ID	19.25	(19.51 - 19.00)	PR	13.14	(13.40 - 12.87)
IL	8.95	(9.10 - 8.81)	RI	15.56	(15.79 - 15.33)
IN	12.53	(12.59 - 12.48)	SC	12.48	(12.57 - 12.40)
IA	10.35	(10.42 - 10.28)	SD	10.97	(11.16 - 10.78)
KS	12.57	(12.67 - 12.46)	TN	9.65	(9.72 - 9.58)
KY	11.42	(11.53 - 11.32)	TX	11.89	(11.94 - 11.85)
LA	8.14	(8.22 - 8.07)	UT	8.3	(8.43 - 8.17)
ME	10.94	(11.03 - 10.85)	VT	12.81	(13.02 - 12.61)
MD	13.67	(13.82 - 13.52)	VI	18.54	(19.17 - 17.93)
MA	15.9	(15.99 - 15.82)	VA	13.89	(13.96 - 13.82)
MI	15.15	(15.23 - 15.07)	WA	11.85	(11.93 - 11.77)
MN	11.98	(12.05 - 11.92)	WV	8.99	(9.10 - 8.88)
MS	10.86	(10.96 - 10.75)	WI	11.62	(11.71 - 11.54)
MO	10.7	(10.80 - 10.61)	WY	9.21	(9.42 - 9.01)
MT	11.02	(11.09 - 10.94)	US	12.72	(12.73 - 12.71)

Table 15j. Medical Diagnosis Categories by State, 2014, Infectious and inflammatory diseases

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	10.07	(10.08 - 10.06)	NE	8.55	(8.67 - 8.44)
AK	9.46	(9.54 - 9.39)	NV	9.85	(9.98 - 9.73)
AZ	6.39	(6.58 - 6.20)	NH	7.58	(7.70 - 7.46)
AR	12.07	(12.16 - 11.98)	NJ	12.59	(12.65 - 12.52)
CA	8.83	(8.91 - 8.74)	NM	9.51	(9.65 - 9.38)
CO	12.27	(12.31 - 12.22)	NY	12.65	(12.70 - 12.60)
CT	9.17	(9.26 - 9.08)	NC	9.32	(9.38 - 9.27)
DE	12.03	(12.14 - 11.93)	ND	8.69	(8.88 - 8.50)
DC	11.07	(11.24 - 10.91)	OH	8.76	(8.81 - 8.70)
FL	9.98	(10.23 - 9.72)	OK	8.77	(8.85 - 8.69)
GA	12.12	(12.17 - 12.08)	OR	7.56	(7.65 - 7.47)
HI	9.49	(9.56 - 9.43)	PA	10.13	(10.19 - 10.08)
ID	13.12	(13.34 - 12.90)	PR	10.58	(10.83 - 10.35)
IL	8.44	(8.58 - 8.30)	RI	12.13	(12.34 - 11.92)
IN	9.17	(9.22 - 9.12)	SC	9.81	(9.88 - 9.73)
IA	8.21	(8.28 - 8.15)	SD	7.83	(7.99 - 7.67)
KS	8.95	(9.03 - 8.86)	TN	9.1	(9.17 - 9.03)
KY	9.56	(9.66 - 9.46)	TX	9.93	(9.97 - 9.89)
LA	8.21	(8.28 - 8.13)	UT	10.03	(10.17 - 9.89)
ME	9.99	(10.07 - 9.90)	VT	7.44	(7.60 - 7.28)
MD	8.32	(8.44 - 8.20)	VI	9.28	(9.75 - 8.83)
MA	10.29	(10.36 - 10.21)	VA	10.39	(10.45 - 10.32)
MI	10.49	(10.55 - 10.42)	WA	9.39	(9.46 - 9.32)
MN	8.77	(8.82 - 8.71)	WV	7.88	(7.98 - 7.77)
MS	7.72	(7.82 - 7.63)	WI	7.48	(7.55 - 7.41)
MO	9.17	(9.26 - 9.08)	WY	7.77	(7.97 - 7.58)
MT	8.92	(8.99 - 8.85)	US	10.07	(10.08 - 10.06)

Table 15k. Medical Diagnosis Categories by State, 2014, Injury, burns and surgical complications of the eye

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	1.41	(1.42 - 1.41)	NE	1.18	(1.23 - 1.14)
AK	1.32	(1.35 - 1.29)	NV	1.17	(1.21 - 1.13)
AZ	1.15	(1.24 - 1.07)	NH	1.28	(1.33 - 1.23)
AR	1.42	(1.45 - 1.39)	NJ	1.75	(1.77 - 1.72)
CA	1.28	(1.32 - 1.25)	NM	1.25	(1.30 - 1.20)
CO	1.55	(1.57 - 1.54)	NY	1.77	(1.79 - 1.75)
CT	1.29	(1.33 - 1.26)	NC	1.36	(1.39 - 1.34)
DE	1.67	(1.71 - 1.63)	ND	1.19	(1.27 - 1.12)
DC	1.47	(1.53 - 1.40)	OH	1.43	(1.45 - 1.41)
FL	1.25	(1.34 - 1.16)	OK	1.3	(1.34 - 1.27)
GA	1.62	(1.63 - 1.60)	OR	1.18	(1.22 - 1.14)
HI	1.32	(1.34 - 1.29)	PA	1.54	(1.56 - 1.52)
ID	1.54	(1.63 - 1.46)	PR	1.02	(1.10 - 0.94)
IL	1.23	(1.29 - 1.18)	RI	1.65	(1.73 - 1.57)
IN	1.36	(1.38 - 1.34)	SC	1.3	(1.33 - 1.27)
IA	1.25	(1.27 - 1.22)	SD	1.21	(1.28 - 1.15)
KS	1.24	(1.27 - 1.20)	TN	1.35	(1.37 - 1.32)
KY	1.35	(1.39 - 1.31)	TX	1.3	(1.32 - 1.29)
LA	1.29	(1.32 - 1.26)	UT	1.31	(1.37 - 1.26)
ME	1.47	(1.50 - 1.43)	VT	1.25	(1.32 - 1.18)
MD	1.25	(1.30 - 1.20)	VI	1.09	(1.27 - 0.94)
MA	1.33	(1.36 - 1.30)	VA	1.37	(1.39 - 1.34)
MI	1.51	(1.54 - 1.48)	WA	1.29	(1.32 - 1.26)
MN	1.32	(1.35 - 1.30)	WV	1.32	(1.37 - 1.28)
MS	1.16	(1.20 - 1.13)	WI	1.21	(1.24 - 1.18)
MO	1.26	(1.30 - 1.23)	WY	1.46	(1.55 - 1.38)
MT	1.29	(1.31 - 1.26)	US	1.41	(1.42 - 1.41)

Table 15I. Medical Diagnosis Categories by State, 2014, Orbital and external disease diseases

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	11.63	(11.64 - 11.62)	NE	12.99	(13.13 - 12.86)
AK	11.8	(11.88 - 11.72)	NV	13.58	(13.73 - 13.44)
AZ	8.49	(8.71 - 8.28)	NH	10.44	(10.57 - 10.30)
AR	13.1	(13.19 - 13.00)	NJ	12.8	(12.86 - 12.73)
CA	11.29	(11.38 - 11.19)	NM	10.44	(10.58 - 10.31)
CO	11.45	(11.49 - 11.41)	NY	12.79	(12.84 - 12.74)
CT	10.49	(10.59 - 10.39)	NC	11.46	(11.52 - 11.40)
DE	11.53	(11.64 - 11.43)	ND	13.18	(13.41 - 12.95)
DC	15.03	(15.22 - 14.85)	OH	10.22	(10.27 - 10.16)
FL	9.49	(9.73 - 9.24)	OK	13.53	(13.63 - 13.43)
GA	15.29	(15.34 - 15.24)	OR	9.07	(9.17 - 8.97)
HI	10.16	(10.22 - 10.10)	PA	11.61	(11.67 - 11.56)
ID	11.69	(11.90 - 11.48)	PR	10.47	(10.71 - 10.23)
IL	11.03	(11.19 - 10.87)	RI	11.66	(11.86 - 11.46)
IN	11.1	(11.15 - 11.04)	SC	11.94	(12.02 - 11.86)
IA	10.36	(10.43 - 10.29)	SD	13.29	(13.50 - 13.09)
KS	14.92	(15.03 - 14.81)	TN	10.81	(10.89 - 10.74)
KY	13.42	(13.53 - 13.31)	TX	11.44	(11.49 - 11.40)
LA	8.61	(8.68 - 8.53)	UT	13.73	(13.90 - 13.57)
ME	10.13	(10.22 - 10.04)	VT	7.54	(7.71 - 7.38)
MD	10.4	(10.54 - 10.27)	VI	6.82	(7.23 - 6.43)
MA	11.79	(11.87 - 11.71)	VA	12.77	(12.84 - 12.70)
MI	9.71	(9.78 - 9.64)	WA	9.87	(9.94 - 9.80)
MN	11.02	(11.08 - 10.96)	WV	8.49	(8.60 - 8.38)
MS	9	(9.10 - 8.91)	WI	9.92	(10.00 - 9.84)
MO	11.8	(11.90 - 11.70)	WY	9.12	(9.33 - 8.92)
MT	12.28	(12.36 - 12.20)	US	11.63	(11.64 - 11.62)

Table 15m. Medical Diagnosis Categories by State, 2014, Other retinal disorders

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	7.79	(7.80 - 7.78)	NE	7.43	(7.53 - 7.32)
AK	7.3	(7.36 - 7.23)	NV	6.61	(6.71 - 6.51)
AZ	6.5	(6.69 - 6.31)	NH	7.02	(7.14 - 6.91)
AR	7.33	(7.40 - 7.26)	NJ	9.76	(9.82 - 9.70)
CA	6.52	(6.59 - 6.44)	NM	6.23	(6.34 - 6.12)
CO	7.9	(7.94 - 7.87)	NY	11.79	(11.84 - 11.74)
CT	6.4	(6.48 - 6.32)	NC	7.31	(7.36 - 7.26)
DE	9.42	(9.51 - 9.32)	ND	7.91	(8.10 - 7.73)
DC	8.85	(9.00 - 8.70)	OH	7.8	(7.85 - 7.75)
FL	9.69	(9.94 - 9.44)	OK	6.79	(6.86 - 6.72)
GA	9.4	(9.44 - 9.35)	OR	6.15	(6.24 - 6.07)
HI	6.28	(6.33 - 6.23)	PA	9.09	(9.14 - 9.04)
ID	11.96	(12.17 - 11.75)	PR	5.02	(5.19 - 4.85)
IL	5.79	(5.91 - 5.67)	RI	8.7	(8.88 - 8.53)
IN	7.65	(7.70 - 7.61)	SC	6.72	(6.78 - 6.65)
IA	6.8	(6.86 - 6.74)	SD	5.92	(6.07 - 5.78)
KS	8.75	(8.84 - 8.66)	TN	6.53	(6.59 - 6.47)
KY	8.07	(8.16 - 7.98)	TX	7.05	(7.09 - 7.02)
LA	5.39	(5.45 - 5.33)	UT	6.91	(7.03 - 6.79)
ME	6.96	(7.03 - 6.88)	VT	6.38	(6.53 - 6.23)
MD	7.62	(7.74 - 7.51)	VI	11.77	(12.29 - 11.27)
MA	9.07	(9.14 - 9.00)	VA	7.42	(7.47 - 7.36)
MI	7.35	(7.41 - 7.29)	WA	6.92	(6.98 - 6.86)
MN	7.48	(7.53 - 7.43)	WV	7.43	(7.53 - 7.33)
MS	5.59	(5.67 - 5.51)	WI	6.07	(6.13 - 6.00)
MO	7.02	(7.10 - 6.94)	WY	8.12	(8.31 - 7.92)
MT	7.21	(7.27 - 7.14)	US	7.79	(7.80 - 7.78)

Table 15n. Medical Diagnosis Categories by State, 2014, Other eye disorders

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	9.77	(9.78 - 9.76)	NE	10.61	(10.74 - 10.49)
AK	8.7	(8.78 - 8.63)	NV	9.91	(10.03 - 9.78)
AZ	6.88	(7.08 - 6.69)	NH	9.74	(9.87 - 9.61)
AR	12.18	(12.27 - 12.10)	NJ	13.98	(14.05 - 13.91)
CA	7.23	(7.31 - 7.15)	NM	10.89	(11.03 - 10.76)
CO	9.25	(9.29 - 9.22)	NY	13.04	(13.10 - 12.99)
CT	8.91	(9.01 - 8.82)	NC	8.68	(8.73 - 8.62)
DE	11.71	(11.82 - 11.61)	ND	9.55	(9.75 - 9.35)
DC	13.62	(13.80 - 13.44)	OH	9.69	(9.75 - 9.63)
FL	7.99	(8.22 - 7.77)	OK	6.63	(6.70 - 6.56)
GA	12.17	(12.21 - 12.12)	OR	7.54	(7.63 - 7.45)
HI	7.68	(7.74 - 7.63)	PA	13.17	(13.23 - 13.11)
ID	10.82	(11.02 - 10.62)	PR	6.7	(6.90 - 6.51)
IL	9.56	(9.71 - 9.42)	RI	10.87	(11.07 - 10.68)
IN	9.28	(9.33 - 9.23)	SC	9.69	(9.76 - 9.61)
IA	8.19	(8.26 - 8.13)	SD	8.02	(8.18 - 7.85)
KS	11.96	(12.06 - 11.86)	TN	8.26	(8.32 - 8.19)
KY	9.76	(9.86 - 9.66)	TX	8.41	(8.45 - 8.37)
LA	7.44	(7.51 - 7.37)	UT	8.87	(9.00 - 8.73)
ME	7.9	(7.98 - 7.82)	VT	9.4	(9.58 - 9.22)
MD	9.83	(9.96 - 9.70)	VI	5.64	(6.02 - 5.29)
MA	11	(11.08 - 10.92)	VA	9.37	(9.43 - 9.31)
MI	10.01	(10.08 - 9.94)	WA	7.75	(7.82 - 7.69)
MN	9.55	(9.60 - 9.49)	WV	7.27	(7.37 - 7.17)
MS	6.2	(6.28 - 6.11)	WI	8.49	(8.56 - 8.41)
MO	6.23	(6.31 - 6.16)	WY	9.63	(9.84 - 9.42)
MT	9.81	(9.89 - 9.74)	US	9.77	(9.78 - 9.76)

Table 15o. Medical Diagnosis Categories by State, 2014, Other visual disturbances

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	3.63	(3.63 - 3.62)	NE	3.27	(3.34 - 3.20)
AK	2.48	(2.52 - 2.44)	NV	3.8	(3.88 - 3.72)
AZ	3.22	(3.36 - 3.09)	NH	2.92	(2.99 - 2.84)
AR	3.59	(3.64 - 3.54)	NJ	4.21	(4.25 - 4.17)
CA	3.09	(3.14 - 3.03)	NM	2.9	(2.98 - 2.83)
CO	3.57	(3.59 - 3.55)	NY	4.38	(4.41 - 4.35)
CT	3.5	(3.56 - 3.44)	NC	3.1	(3.14 - 3.07)
DE	3.92	(3.99 - 3.86)	ND	2.74	(2.85 - 2.63)
DC	4.01	(4.11 - 3.90)	OH	3.86	(3.89 - 3.82)
FL	3.93	(4.09 - 3.77)	OK	2.99	(3.04 - 2.94)
GA	3.51	(3.53 - 3.48)	OR	3.24	(3.31 - 3.18)
HI	2.58	(2.61 - 2.55)	PA	4.05	(4.09 - 4.01)
ID	5.72	(5.87 - 5.56)	PR	2.29	(2.41 - 2.18)
IL	3.78	(3.88 - 3.69)	RI	3.58	(3.70 - 3.46)
IN	4.03	(4.06 - 4.00)	SC	2.8	(2.84 - 2.76)
IA	3.86	(3.90 - 3.81)	SD	2.61	(2.71 - 2.51)
KS	3.33	(3.38 - 3.27)	TN	2.8	(2.84 - 2.76)
KY	4.14	(4.20 - 4.07)	TX	4.01	(4.04 - 3.99)
LA	2.84	(2.88 - 2.79)	UT	3.1	(3.18 - 3.02)
ME	3.48	(3.54 - 3.43)	VT	2.82	(2.93 - 2.72)
MD	3.74	(3.82 - 3.66)	VI	1.29	(1.48 - 1.12)
MA	3	(3.04 - 2.95)	VA	4.44	(4.48 - 4.39)
MI	4.03	(4.07 - 3.98)	WA	4.48	(4.53 - 4.43)
MN	3.89	(3.93 - 3.86)	WV	3.11	(3.17 - 3.04)
MS	3.55	(3.62 - 3.49)	WI	3.6	(3.65 - 3.55)
MO	2.57	(2.62 - 2.52)	WY	3.25	(3.38 - 3.13)
MT	4.2	(4.24 - 4.15)	US	3.63	(3.63 - 3.62)

Table 15p. Medical Diagnosis Categories by State, 2014, Retinal detachment and defects

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	0.96	(0.96 - 0.96)	NE	1.06	(1.10 - 1.02)
AK	0.74	(0.77 - 0.72)	NV	1.19	(1.23 - 1.14)
AZ	0.95	(1.03 - 0.88)	NH	1.06	(1.11 - 1.02)
AR	1.15	(1.18 - 1.12)	NJ	1.28	(1.30 - 1.26)
CA	0.75	(0.78 - 0.73)	NM	0.81	(0.85 - 0.77)
CO	1.03	(1.05 - 1.02)	NY	1.25	(1.27 - 1.24)
CT	1.16	(1.20 - 1.13)	NC	0.78	(0.80 - 0.76)
DE	1.36	(1.40 - 1.32)	ND	0.92	(0.98 - 0.85)
DC	1.06	(1.12 - 1.01)	OH	0.74	(0.76 - 0.73)
FL	1.12	(1.21 - 1.04)	OK	0.71	(0.74 - 0.69)
GA	1.11	(1.13 - 1.10)	OR	0.84	(0.87 - 0.81)
HI	0.78	(0.79 - 0.76)	PA	1.18	(1.20 - 1.17)
ID	1.73	(1.82 - 1.65)	PR	0.67	(0.74 - 0.61)
IL	0.87	(0.91 - 0.82)	RI	1.2	(1.27 - 1.13)
IN	1.01	(1.02 - 0.99)	SC	0.96	(0.98 - 0.93)
IA	0.8	(0.82 - 0.78)	SD	1.01	(1.08 - 0.95)
KS	1.08	(1.11 - 1.05)	TN	0.59	(0.61 - 0.57)
KY	0.91	(0.94 - 0.88)	TX	0.94	(0.95 - 0.92)
LA	0.7	(0.73 - 0.68)	UT	0.81	(0.85 - 0.77)
ME	0.94	(0.97 - 0.91)	VT	1.04	(1.10 - 0.97)
MD	1	(1.04 - 0.95)	VI	0.93	(1.09 - 0.78)
MA	1.07	(1.10 - 1.05)	VA	0.96	(0.99 - 0.94)
MI	1.01	(1.03 - 0.98)	WA	0.93	(0.95 - 0.90)
MN	0.79	(0.80 - 0.77)	WV	0.71	(0.74 - 0.68)
MS	0.65	(0.68 - 0.63)	WI	0.79	(0.81 - 0.77)
MO	0.66	(0.69 - 0.64)	WY	1.1	(1.17 - 1.02)
MT	0.89	(0.91 - 0.86)	US	0.96	(0.96 - 0.96)

Table 15q. Medical Diagnosis Categories by State, 2014, Strabismus and amblyopia

State	Prevalence	(95% CI)	State	Prevalence	(95% CI)
AL	1.16	(1.16 - 1.15)	NE	1.36	(1.40 - 1.31)
AK	0.88	(0.90 - 0.85)	NV	1.08	(1.12 - 1.04)
AZ	0.85	(0.92 - 0.78)	NH	1.39	(1.44 - 1.34)
AR	1.15	(1.18 - 1.12)	NJ	1.12	(1.15 - 1.10)
CA	0.87	(0.90 - 0.84)	NM	1.18	(1.23 - 1.13)
CO	1.02	(1.04 - 1.01)	NY	1.56	(1.58 - 1.54)
CT	1.18	(1.22 - 1.15)	NC	1.01	(1.03 - 0.99)
DE	1.77	(1.82 - 1.73)	ND	1.39	(1.47 - 1.31)
DC	1.24	(1.30 - 1.18)	OH	1.25	(1.28 - 1.23)
FL	1.14	(1.23 - 1.05)	OK	0.98	(1.00 - 0.95)
GA	1.08	(1.09 - 1.06)	OR	1.15	(1.19 - 1.12)
HI	0.82	(0.84 - 0.80)	PA	1.39	(1.41 - 1.37)
ID	0.85	(0.91 - 0.79)	PR	0.56	(0.63 - 0.51)
IL	1.06	(1.11 - 1.01)	RI	1.11	(1.17 - 1.04)
IN	1.36	(1.38 - 1.34)	SC	0.93	(0.96 - 0.91)
IA	1.1	(1.13 - 1.08)	SD	1.31	(1.38 - 1.24)
KS	1.67	(1.71 - 1.63)	TN	0.81	(0.83 - 0.79)
KY	1.37	(1.41 - 1.33)	TX	0.99	(1.01 - 0.98)
LA	0.9	(0.92 - 0.87)	UT	1.12	(1.17 - 1.07)
ME	0.86	(0.89 - 0.84)	VT	1.19	(1.26 - 1.13)
MD	1.24	(1.29 - 1.20)	VI	0.32	(0.42 - 0.23)
MA	1.24	(1.27 - 1.21)	VA	1.09	(1.11 - 1.06)
MI	1.22	(1.25 - 1.20)	WA	1.25	(1.28 - 1.23)
MN	1.18	(1.20 - 1.16)	WV	0.93	(0.97 - 0.90)
MS	1.83	(1.88 - 1.79)	WI	1.64	(1.67 - 1.61)
MO	0.81	(0.84 - 0.78)	WY	1.19	(1.27 - 1.12)
MT	1.2	(1.23 - 1.18)	US	1.16	(1.16 - 1.15)