



MINNESOTA ACADEMY  
of OPHTHALMOLOGY

## Minnesota: A Leading State in Healthcare Quality

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February 21, 2024



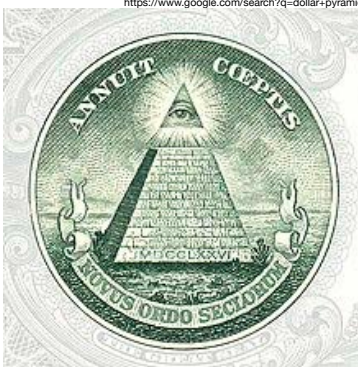
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## In the Real World: We get Along!



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## The Pyramid of Vision Care



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Highest **Quality**  
Healthcare  
in the Nation

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5 Graduates/yr 4 Graduates/yr

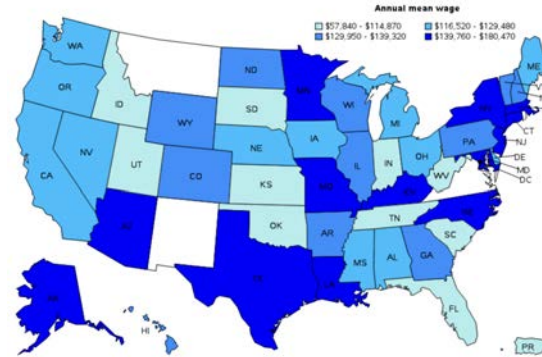


74 Ophthalmologists per 1M Population (National Average = 55)

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## Optometrist Come to MN: Good Salaries

Annual mean wage of optometrists, by state, May 2022



- From 2012 to 2022
- 44% Increase in New Optometry Licenses Issued
- MN Health Related Licensing Board Data, Biennial Report, July 1, 2020 to June 2022

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## Access is Reduced in States where Optometric Scope is Expanded

Research

JAMA Ophthalmology | Original Investigation

July 2023

### Evaluating Access to Laser Eye Surgery by Driving Times Using Medicare Data and Geographical Mapping

Jamie Shaffer, MS; Anand Rajesh, BS; Michael W. Stewart, MD; Aaron Y. Lee, MD, MSCI; Darby D. Miller, MD, MPH; Cecilia S. Lee, MD, MS; Courtney E. Francis, MD

1.5 Million Medicare Claims: Median Drive Time in Arkansas

Optometry = 90 Minutes

Ophthalmology = 26 Minutes

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## Quality of Care is Reduced when Scope expands to “Procedures”

JAMA Ophthalmology | Original Investigation

### Comparison of Outcomes of Laser Trabeculoplasty Performed by Optometrists vs Ophthalmologists in Oklahoma

Joshua D. Stein, MD, MS; Peter Y. Zhao, MD; Chris Andrews, PhD; Gregory L. Skuta, MD

October 2016

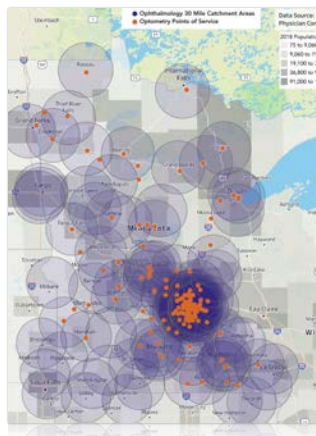
10K Medicare w/ Glaucoma: Laser Retreatment rates

Optometry = 36%

Ophthalmology = 15%

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## There is **NOT** an Access Problem



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## MN vs Other States

Drug	Minnesota Law Allows	Optometry Request	True Approval in other States	False Claim by Optometry
Injections	NO	Yes	2	22-24
Oral Anti-Virals	Yes, 10 Days	Unlimited	36	47
Oral CAI's	Yes, 7 Days	Unlimited	31	44-45
Oral Prednisone	NO	14 Days	29	42

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## Licensure vs Certification

	Medical	Optometry
Licensing Board	MN Board of Medical Practice	MN Board of Optometry
Permits	Practice of Medicine and Surgery	Practice of Optometry
Certification Board	American Board of Ophthalmology (1917) ABMS: <b>24 Specialties</b>	American Board of Optometry (2009)
Benefit	1 yr Internship + 3-year Surgical Residency + Surgical Privileges + MOC	Optometric CME + MOC

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## Greatest Public Health Impact: Myopia Reduction

Trends in Myopia and High Myopia from 1966 to 2019 in Olmsted County, Minnesota



PRASHANT D. TAILOR, TIMOTHY T. XU, SHREYA TAILOR, COLLIN ASHEIM, AND TIMOTHY W. OLSEN

- PURPOSE: To investigate the prevalence of myopia and high myopia in Olmsted County, Minnesota, from 1966 to 2019.
- DESIGN: Retrospective, cross-sectional, trend study.
- METHODS: Manifest refractions or lens prescription

respectively. (Am J Ophthalmol 2024;259: 35–44. © 2023 The Authors. Published by Elsevier Inc. This is an open access article under the CC BY license (<http://creativecommons.org/licenses/by/4.0/>))



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### Benign



### Malignant



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