FOCUS ON MYOPIA: PATHOGENESIS AND RISING INCIDENCE:

SCREENING & ACCESS

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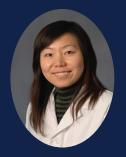
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Research Question

To review utilization of vision screenings for myopia detection using the Andersen Newman Framework and perform a scoping review of strategies to improve access to myopia care



Andersen Newman Framework of Health Services Utilization —

- Predisposing Factors: The socio-cultural characteristics of individuals that exist prior to their illness
- Enabling Factors: The logistical aspects of obtaining care
- Need factors: The most immediate cause of health service use, from functional and health problems that generate the need for health care services



GUIDING QUESTIONS

What is known about the societal impact of myopia/uncorrected refractive error?

Is there a consensus among vision screening guidelines?

What do we know about access to vision screening?

What do we know about the effectiveness of vison screening related policies?

What do we know about access to myopia care and myopia management?



SEARCH PARAMETERS

English language

Human studies

2006 - present

US-based studies



GUIDING QUESTIONS

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What is known about the societal impact of myopia/uncorrected refractive error?

Refractive error / Myopia

- Quality of life
- Educational attainment
- Economic impact
- Vision impairment
- Low vision
- Disability
- Morbidity
- Workforce



Is there a consensus among vision screeninging guidelines?

Vision screening guideline

- Quality of life
- Educational attainment
- Economic impact
- Vision impairment
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What do we know about access to vision screening in the US?

Vision screening + Access

- Barriers
- Health disparities
- Race
- Ethnicity
- Gender
- Age
- Socioeconomic status
- Social determinants of health
- Culture
- Policy
- Guidelines



What do we know about the effectiveness of vision screening related policies?

Vision screening policy

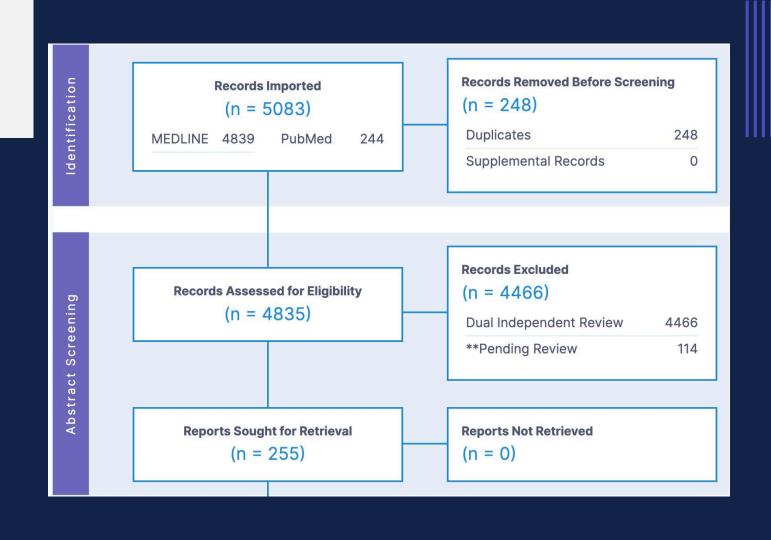
- Outcomes
- Impact
- Follow up
- Compliance
- Diagnosis
- Mandates



What do we know about access to myopia care and myopia management in the US?

Myopia Control / Myopia Care

- Access
- Social determinants of health
- Barriers
- Insurance
- Compliance
- Follow up



Emerging Themes & Challenges

- Much of the access-related research is not based in the US
- Much of the US-based myopia research addresses progression, sequelae and treatment
- There is limited myopia and refractive error related research in public health journals



PAPER TIMELINE





END











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