

The Visionary Importance of Eye Health

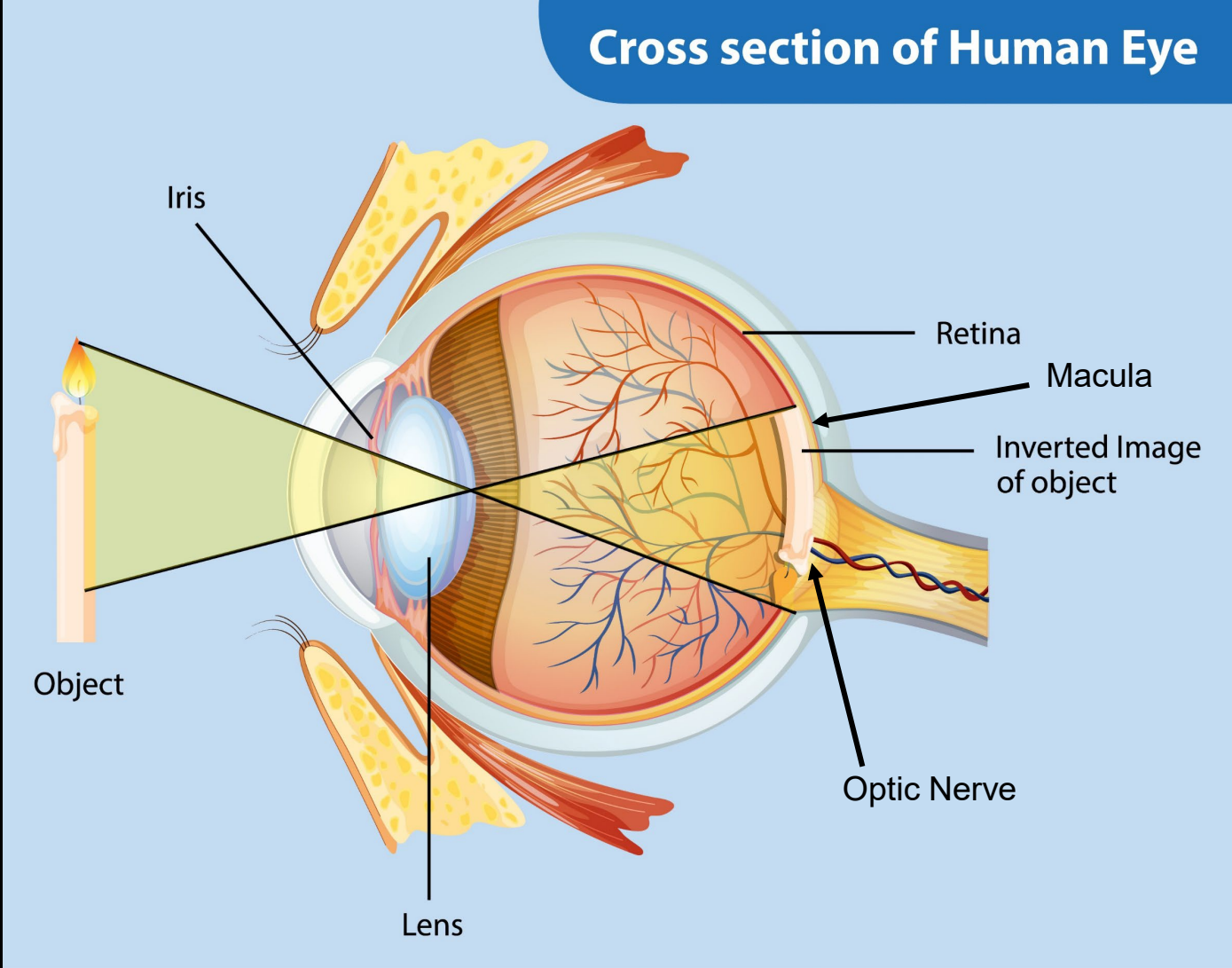
Emily Gower and Julie Mares

The State of Eye Health in the US

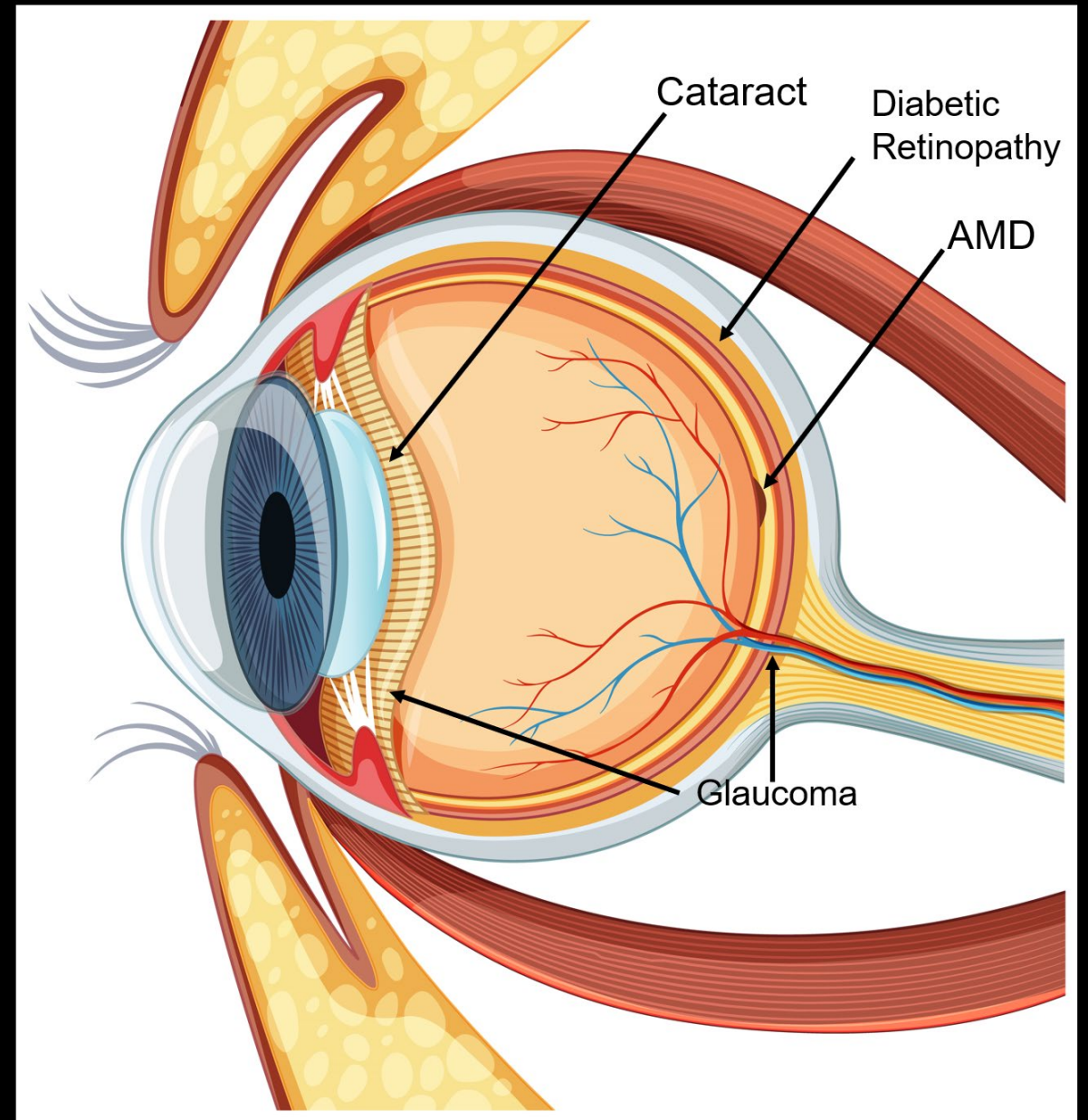
15-25% of individuals aged 80+
have vision impairment

Among adults 50+ years,
women carry an excess burden
of 1 million cases of vision
impairment compared to men

Key Parts of the Eye



Parts of the eye
impacted by
different eye
diseases



Vision Impacts of Common Eye Diseases



Diabetes



Glaucoma

Age-related Macular Degeneration (AMD)



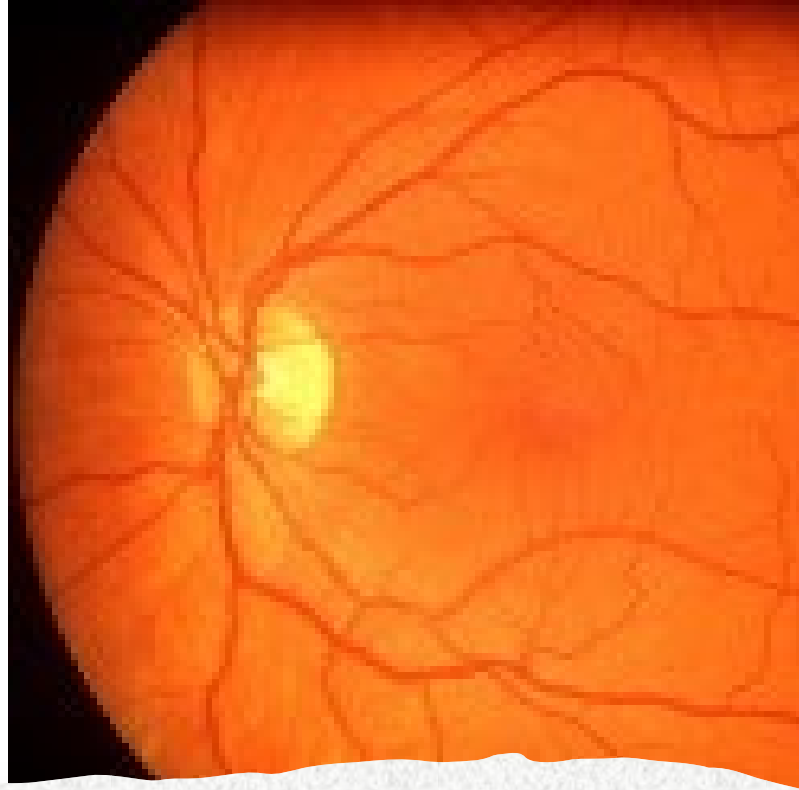
Refractive Error



<https://www.geisinger.org/health-and-wellness/wellness-articles/2017/06/01/20/44/everythings-fuzzy-four-common-causes-of-blurry-vision>

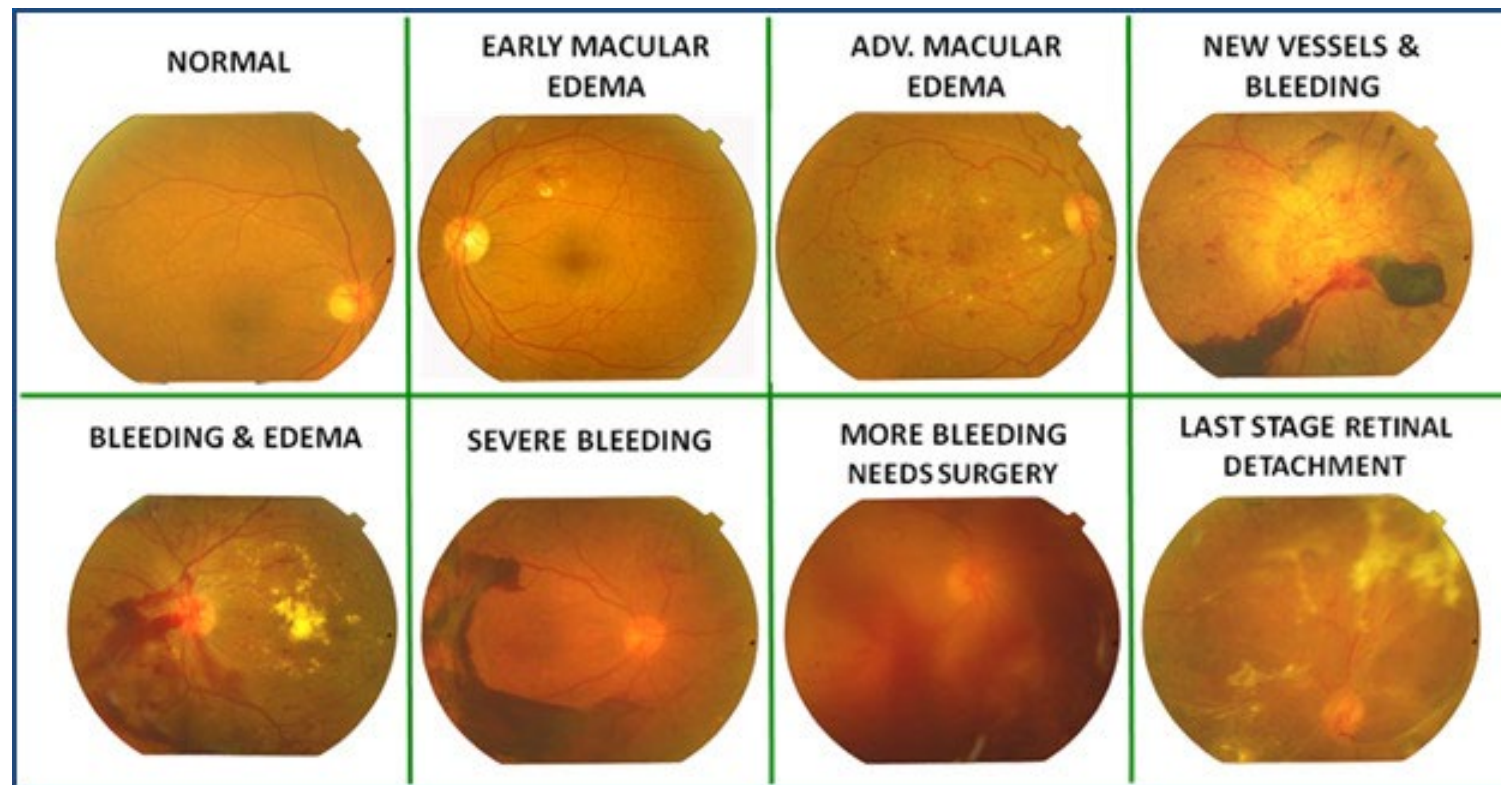
Uncorrected Refractive Error is Common

- 40-60% of adults 70+ years may have under corrected refractive error



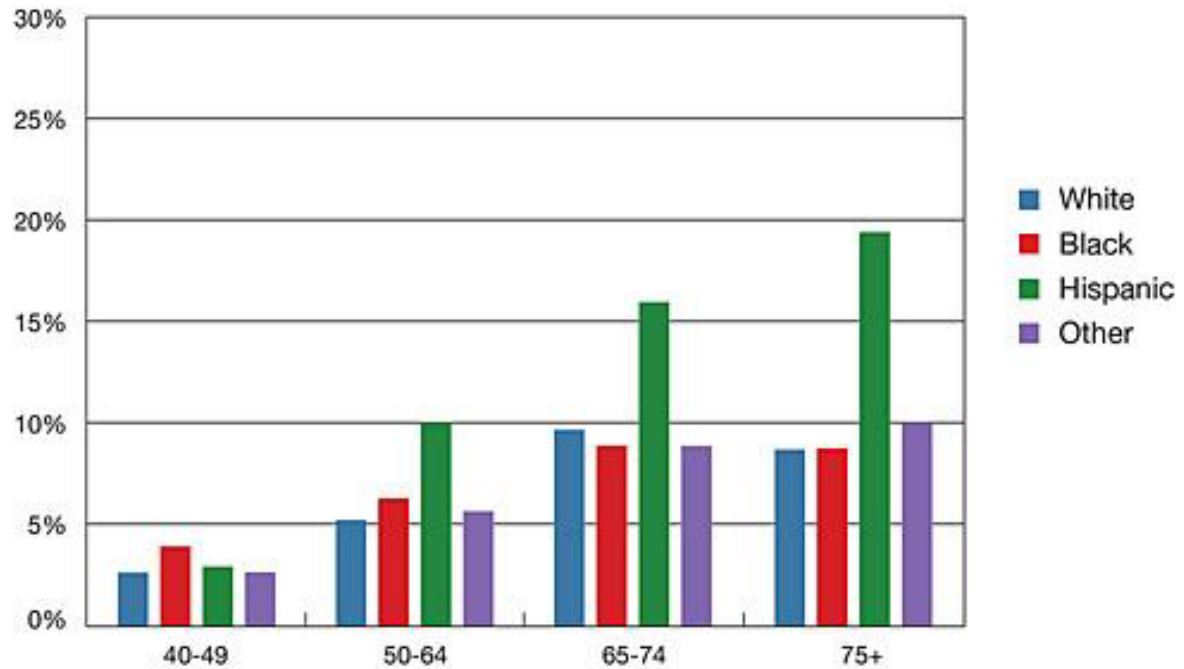
What we can see with
retinal photographs

The impact
of
unmonitored
diabetic eye
disease



Diabetic Eye Disease
Increases
with Age

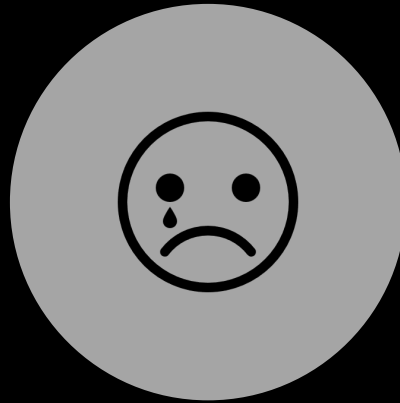
2010 U.S. Prevalence Rates for
Diabetic Retinopathy by Age and Race



Vision can impact all parts of daily life



COGNITION



LONELINESS AND
DEPRESSION

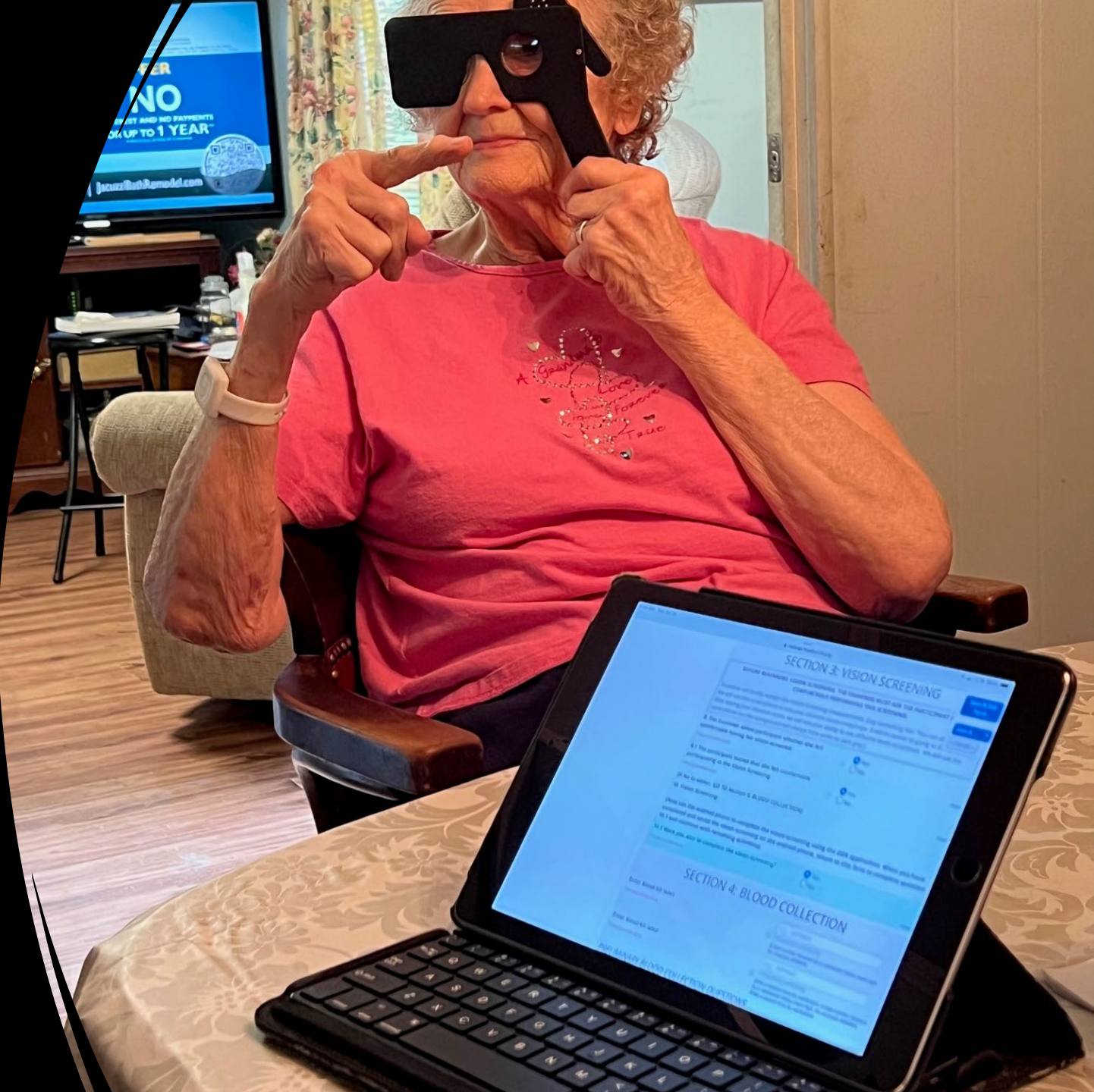


PHYSICAL
OUTCOMES

What are we learning about vision in WHI?

Long Life Study 2:

- In home visit with 4,000 WHI participants aged 80+
- Distance vision screening
- Contrast sensitivity screening
- Questionnaire: How does vision impact social, emotional and physical health



Parts of the eye impacted
by different eye diseases

