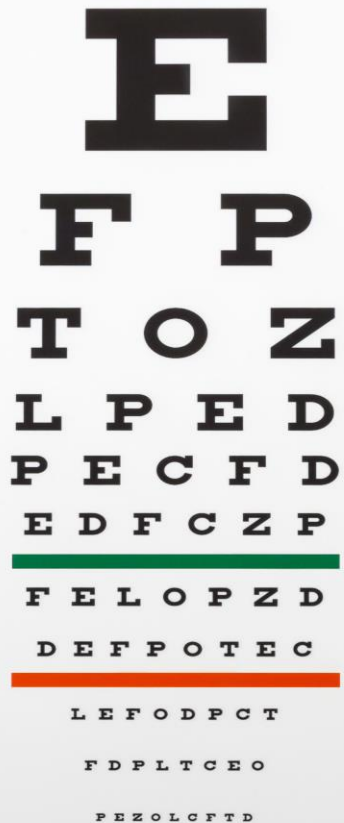
The background of the slide features a pair of black-rimmed glasses. The lenses are filled with a blurred pattern of various letters and numbers, including 'S', '4', 'M', 'K', 'L', 'U', 'C', 'O', 'E', 'V', 'Y', 'W', 'A', 'B', 'D', 'G', 'H', 'I', 'J', 'N', 'P', 'Q', 'R', 'T', 'X', 'Z', and '1'. The text is overlaid on this background.

# **OHDSI Eye Care and Vision Research Workgroup**

**The purpose of the Eye Care and Vision Research Workgroup is to advance the development and implementation of data standards in ophthalmology, optometry, and the vision sciences, and to support studies using observational ophthalmic data for generating insights to improve health and vision outcomes.**



# Accomplishments from 2024

- Published network study on risk of kidney failure from anti-VEGF intravitreal injections
- Performed network study on risk of NAION for semaglutide users
- Development and validation of uveitis phenotypes using SUN (Standardized of Uveitis Nomenclature) classifications
- Mapped and added eye exam elements at multiple institutions
- Held a workshop on imaging and visual field metadata extraction
- Mapped visual field concepts and submitted to LOINC
- Performed gap analysis for glaucoma concepts in SNOMED
- Multiple submissions for the NEI OHDSI Challenge
- Working on grant submission(s)

# Objective 1: Complete a network study

- Key result 1: Identify potential network studies from preferred practice patterns/guidelines
- Key result 2: Design relevant phenotypes
- Key result 3: Design & execute the study

Focus: Guideline driven evidence generation

# Objective 2: Identify and standardize minimum set of eye exam elements

- Key result 1: Identify set of minimum elements for inclusion in OMOP datamarts, including visual acuity
- Key result 2: Map elements to concepts
- Key result 3: Implement ETLs for concepts

Focus: Evidence driven data standardization

# Objective 3: Disseminate work

- Key result 1: Publish work of workgroup
- Key result 2: Educate community

Evidence driven collaborative education