

# AEYE Diagnostic Screening

Diabetic Retinopathy screening using AI instead of referring to specialists

## BACKGROUND

- **Diabetic Retinopathy (DR) is the leading cause of working-age blindness in the US.**
- **With over 37 million people at risk, approximately 80% of individuals with diabetes will develop DR during their lifetime.**
- **Early detection and treatment can effectively prevent blindness.**

## THE PROBLEM

The American Academy of Ophthalmology recommends annual DR screenings for individuals with diabetes. Unfortunately, the adherence rate among patients falls below 50% even when primary caregivers refer them to specialists. This leads to several significant issues:

1. **Delayed initiation of treatment:** Many patients only begin treatment after their vision has already deteriorated significantly, resulting in suboptimal outcomes.
2. **Increased healthcare costs:** Health plans are forced to cover costly treatment procedures and visual impairment support instead of focusing on disease prevention and early detection.
3. **Unaddressed care gaps and CMS penalties:** Health plans administering Medicare and Medicaid face penalties from CMS due to care gaps resulting from the failure to provide annual screenings.

## SOLUTION

AEYE-DS revolutionizes patient screening by utilizing FDA-cleared AI in primary care, eliminating the need for specialist referrals.

## BENEFITS

The AEYE-DS approach enhances adherence to annual screenings, with numerous benefits:

- Improves patient outcomes
- Closes care gaps
- Improve HEDIS scores and Star Ratings

Screening in primary care instead of referring to specialists offers additional advantages:

- More convenient for patients
- Cheaper for both patients and payers



### Dedicated CPT Code

Primary care providers can seek reimbursement for the procedure using CPT code 92229



### <2 minutes

Start-to-finish, for most patients



### Instant diagnosis

Produced on the spot



### One image per eye

The only solution to require a single image per eye



### No Dilation

For the vast majority of patients



### >99% imageability

Over 99% of patients receive a diagnostic result



### Highly accurate

93% sensitivity and 91.4% specificity