



## WHAT IS GOCHECK KIDS?

GoCheck Kids is a photoscreening system designed to detect risk factors for amblyopia. It is a cloud-based system that includes an iPhone app, used for image acquisition and results, and a web portal that is accessed through a computer, used for patient management and administrative functions.

## WHAT DOES GOCHECK KIDS DETECT?

GoCheck Kids detects visual system risk factors for amblyopia, including myopia (nearsightedness), hyperopia (farsightedness), anisometropia (difference in prescription between the two eyes), and ocular misalignment (misalignment between the eyes).

## UNDERSTANDING SCREENING RESULTS

There are 3 outcomes for photoscreening:

Risk factor identified on 9/21/2022		
	Right	Left
Hyperopia (D) Threshold: 1.75	1.37	3.76
Myopia (D) Threshold: 2.00	n/a	n/a
Anisometropia (D) Threshold: 0.75	2.39	
Ocular Misalignment	n/a	

### Risk factors identified

There are risk factors that exceed the referral threshold and you should consider referral for a complete eye exam

No risk factor identified on 12/1/2021		
	Right	Left
Hyperopia (D) Threshold: 1.75	n/a	n/a
Myopia (D) Threshold: 2.00	n/a	n/a
Anisometropia (D) Threshold: 0.75	n/a	
Ocular Misalignment	n/a	

### No risk factors identified

There are no risk factors that exceed referral thresholds, so the child should be rescreened in one year

Not gradable on 4/5/2022		
	Right	Left
Hyperopia (D) Threshold: 2.00	0.00	0.00
Myopia (D) Threshold: 2.00	0.00	0.00
Anisometropia (D) Threshold: 1.60	0.00	
Ocular Misalignment	n/a	

### Not gradable

The image is not satisfactory for analysis, the image should be retaken or the child should be rescreened at the next visit

## WHAT TRAINING AND SUPPORT ARE PROVIDED BY GOCHECK KIDS?

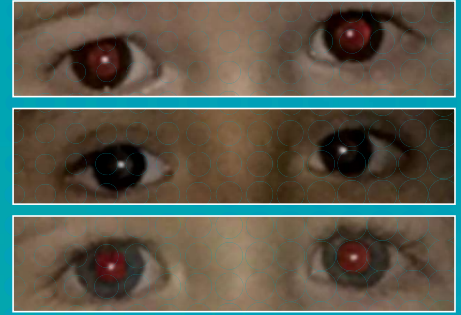
GoCheck Kids provides live webinar training and online resources to help implement photoscreening in your setting. Additionally, during the first 90 days we review your images to help identify training opportunities. After 90 days, we can continue to review your images as an optional service. For technical support and scheduling webinar training, please contact [support@gocheckkids.com](mailto:support@gocheckkids.com) or 866-633-9243.

# Photoscreening - Image Quality Is Everything!

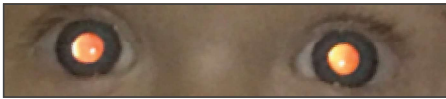
## WHAT CONSTITUTES A GOOD IMAGE?

- Ensure child is looking directly at the camera
- Large pupils (4mm or greater is best)
- No extraneous reflections
- No hair or tears, eyes are fully opened
- Red Reflex color intensity varies - this is OK!
- See the acceptable images on the right

These are all acceptable image quality



Child not looking directly at camera



Extraneous Reflections



## WHAT CONSTITUTES A NOT-SO-GOOD IMAGE?

- Child is NOT looking directly at the camera
- Extraneous reflections on the cornea
- Hair or tears covering the eye(s)
- Blurry image
- IF THE IMAGE IS OF POOR QUALITY, Simply retake! (see images on left)

## WHAT DO RISKS LOOK LIKE?

- Refractive risks appear as "crescents"
- Crescent location and size varies by risk factor
- Not all "crescents" are referable
- Ocular misalignments typically cause asymmetry in corneal light and red reflexes

Myopia - Both eyes



Ocular Misalignment



Hyperopia - Right > Left



Anisometropia - Big difference between eyes



## Periodicity Schedule for Visual System Assessment in Children\*

Photoscreening is one of several vision assessments during a child's well visit.

Assessment	1-3 y	4-5 y	6 y and older
Ocular history	x	x	x
External inspection of lids and eyes	x	x	x
Red reflex testing	x	x	x
Pupil examination	x	x	x
Ocular motility assessment	x	x	x
Instrument-based screening when available	x	x	See below
Visual acuity fixate and follow response	x	—	—
Visual acuity age- appropriate optotype assessment	See below	x	x

- <https://tinyurl.com/2vhifubw>
- Instrument-based screening at any age is suggested if unable to test visual acuity monocularly with age-appropriate optotypes
- Visual acuity screening may be attempted in cooperative 3-y-old children

\*Note. Adapted from American Academy of Pediatrics. (2016, January). Visual System Assessment in Infants, Children, and Young Adults by Pediatricians. Retrieved from [https://publications.aap.org/pediatrics/article/137/1/e20153596/52809/ Visual-System-Assessment-in-Infants-Children-and?autologincheck=redirected](https://publications.aap.org/pediatrics/article/137/1/e20153596/52809/Visual-System-Assessment-in-Infants-Children-and?autologincheck=redirected)