



SPOT™ VISION SCREENER

Sample Results

SPOT VISION SCREENER

Sample Results

SPOT VISION SCREENER

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SPOT VISION SCREENER

Data Display

The screenshot shows the data display for a vision screener. At the top, it displays the date and time: 02/02/2017 3:38 PM. Below this, there are two eye illustrations. Above the left eye (OD) is a 6.0 mm pupil size indicator and an alignment indicator showing 0° vertical and 0° horizontal. Above the right eye (OS) is a 6.0 mm pupil size indicator and an alignment indicator showing 0° vertical and 0° horizontal. Between the eyes is a pupillary distance indicator showing 77 mm. Below the eyes are two refraction boxes. The left box (OD) shows SE +5.00, DS +5.25, DC -0.75, and Axis @43°. The right box (OS) shows SE +4.50, DS +4.75, DC -0.75, and Axis @23°. Below the refraction boxes is a red banner that says "Complete Eye Exam Recommended" and "Hyperopia (OD/OS)". At the bottom, there is a navigation bar with icons for Mono, Edit, Summary, Retry, Print, and a Home button.

pupillary distance

pupil size indicator

alignment indicator

degree and direction:
 ⇌ vertical or
 ⇕ horizontal

OD = Right Eye
OS = Left Eye

cylinder convention

complete refraction

- SE = spherical equivalent
- DS = sphere
- DC = cylinder
- Axis = axis

SPOT VISION SCREENER Printed Report

- A Disclaimer
- B Screening Result
- C Date/Time of Test
- D Demographic Information
- E Image of the Screened Person
- F Data Display (see page 4 for detail)
- G Potential Conditions
- H Right Eye & Left Eye Results
Results (In Range = blue, Out of Range = red)
- I Analysis of Both Eyes
- J Customizable Banner

Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist.

Complete Eye Exam Recommended


Vision Screening Summary

SUBJECT ID **21081-13572**

SCREENING **02/02/2017 4:27 pm** GENDER **F** AGE **3Y**

FIRST NAME **Olivia**


LAST NAME **Dylan**



Vision screening should be conducted regularly as eyes may change over time. POTENTIAL CONDITION

6.0
mm

$\pm 1.0^\circ$
 $\rightarrow 0^\circ$




R

77
mm

L

- CVL



L

6.0
mm

$\pm 1.0^\circ$
 $\rightarrow 0^\circ$

OD

SE		
+3.00		
DS	DC	Axis
+4.00	-2.00	@99°

OS

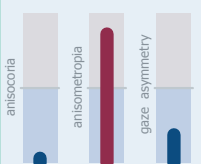
SE		
+1.50		
DS	DC	Axis
+1.75	-0.75	@16°

- Hyperopia (OD) [farsighted]
- Astigmatism (OD) [problem focusing]
- Anisometropia [unequal power]


RIGHT EYE LEFT EYE

RIGHT EYE		LEFT EYE	
OUT OF RANGE	IN RANGE	IN RANGE	OUT OF RANGE
	●	●	
	■	■	
	■	■	
	■	■	

BOTH EYES



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Spot™ Vision Screener

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SPOT VISION SCREENER

Printed Label Report

- A Demographic Information
- B Cylinder Convention +/-
- C OD/OS Refractions
- D Pupil Size Indicator
- E Pupillary Distance
- F Alignment Indicator
- G Potential Condition
- H Date/Time of Test

A ID: 31872-12585
Name: Pat Smith
Age: 2y 3m Gender: F (-CYL) B

C OD(Right): +4.00 DS | -2.00 DC | 099° AX | +3.00 SE
OS(Left): +1.75 DS | -0.75 DC | 016° AX | +1.50 SE

D Pupil Size:(6.0mm OD, 6.0mm OS) E Pupil Distance:(77mm)

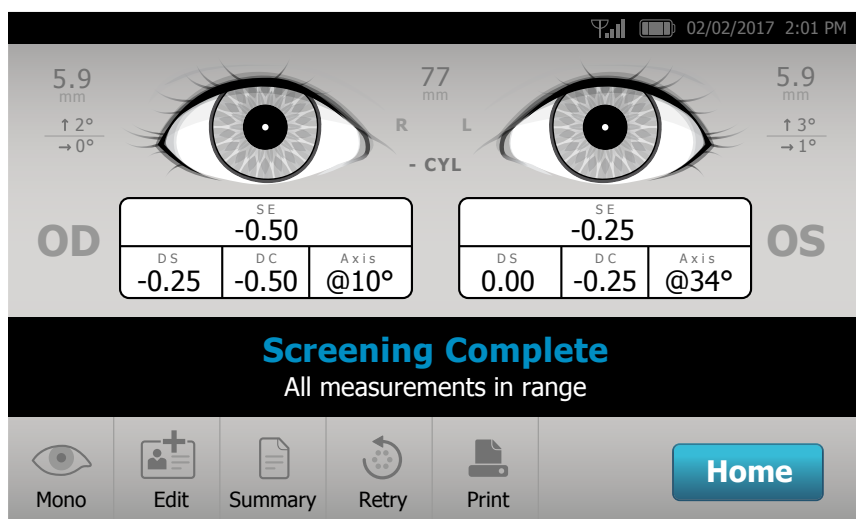
F Gaze:(-4°, +1° OD),(-0°, +1° OS)

G Potential Condition: Hyperopia(OD),Astigmatism(OD), Anisop

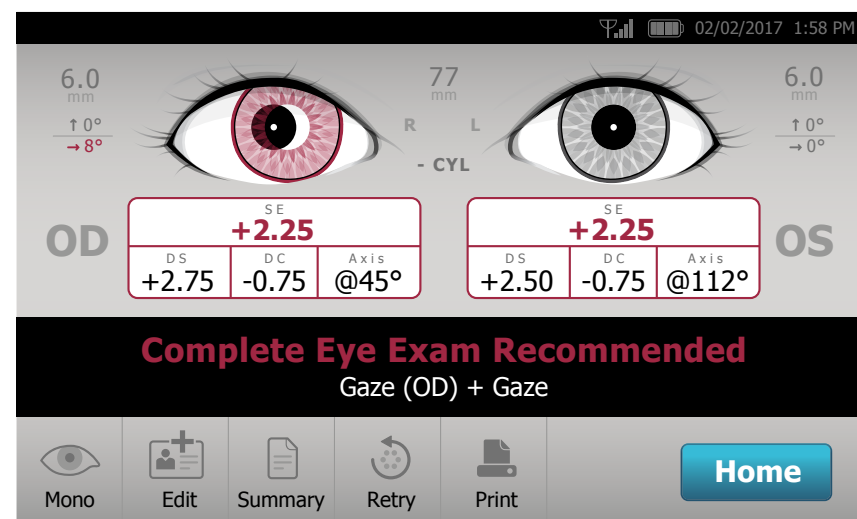
H Date: 06/27/2012 3:38 pm (C) Welch Allyn

SPOT VISION SCREENER

Instant Screening Results Displayed



“**Screening Complete**” with the indication of “All measurements in range” is consistent with screening results below the configurable threshold setting.



“**Complete Eye Exam Recommended**” with indication of potential vision disorders is consistent with screening results above the configurable threshold setting.

SCREENING COMPLETE

All Measurements in Range



Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist.

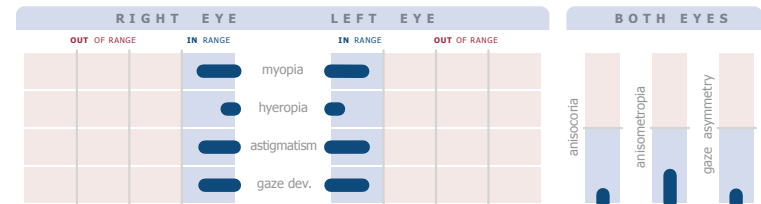
Screening Complete

Vision Screening Summary



SUBJECT ID 31076-11212
 SCREENING 02/02/2017 2:01 pm GENDER F AGE 3Y 8M
 FIRST NAME Brianna
 LAST NAME Santiago

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



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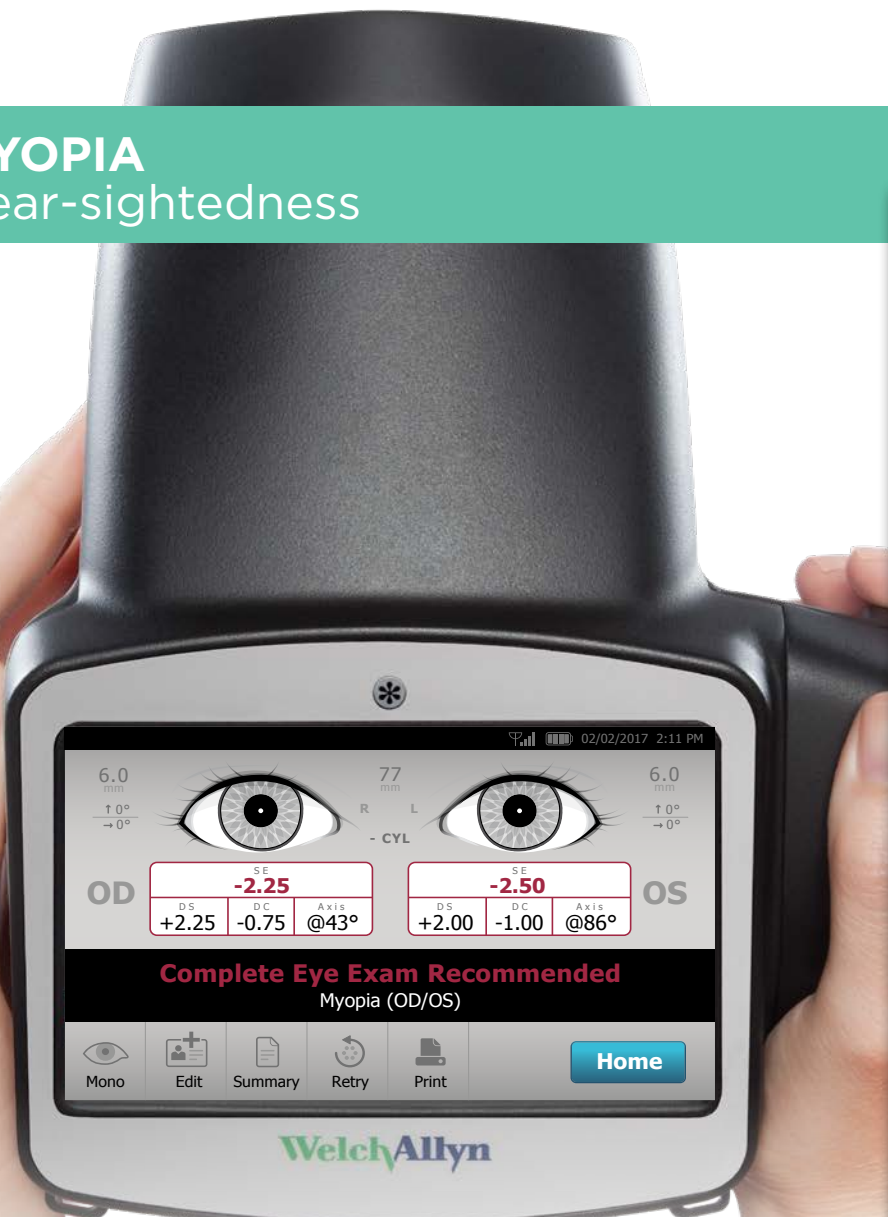


Spot™ Vision Screener

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MYOPIA

Near-sightedness



Myopia
Myopia

Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist.

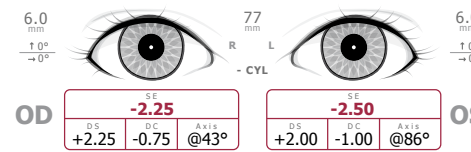
Complete Eye Exam Recommended

Vision Screening Summary

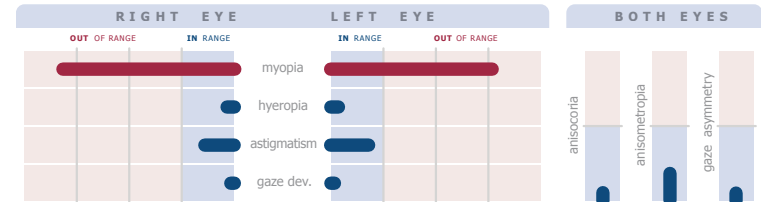


SUBJECT ID 31076-11234
 SCREENING 02/02/2017 2:11 pm GENDER M AGE 11Y
 FIRST NAME Daniel
 LAST NAME Smith

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



•Myopia (OD/OS) [Nearsighted]



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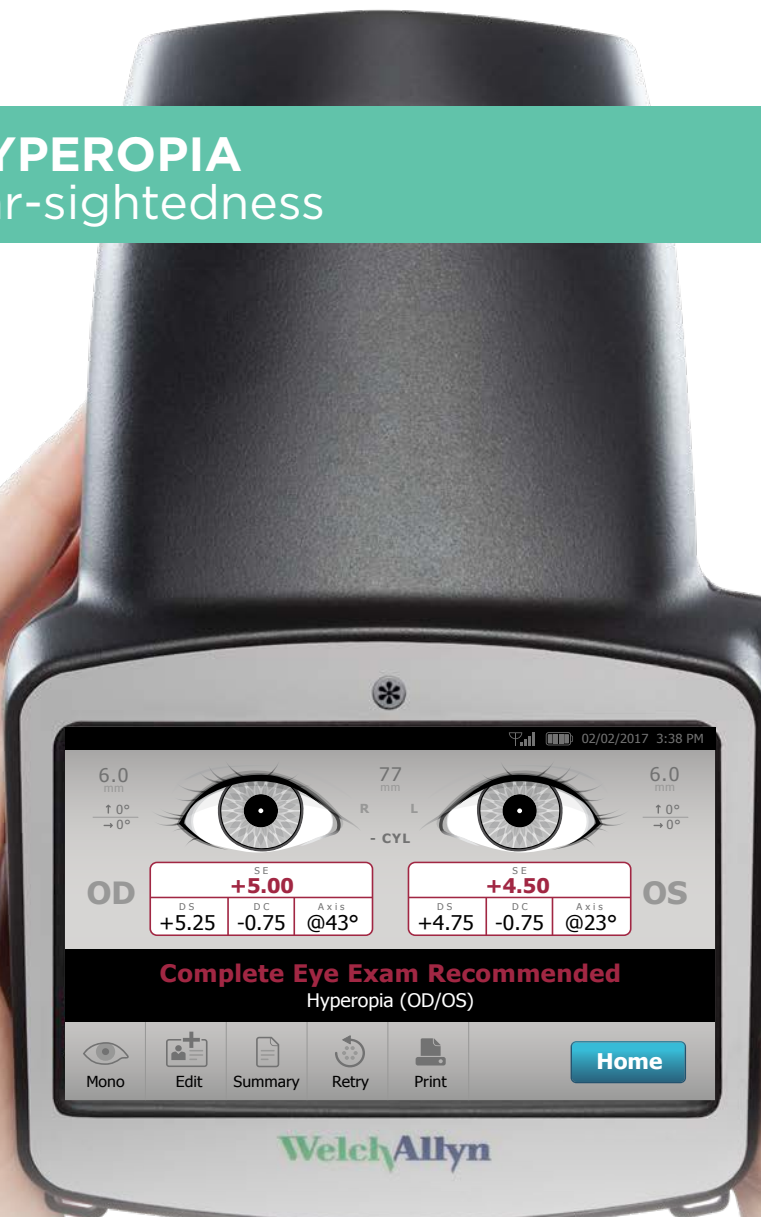
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HYPEROPIA

Far-sightedness



Hyperopia
Hyperopia

Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist.

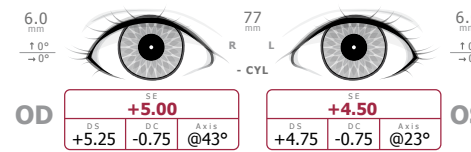
Complete Eye Exam Recommended

Vision Screening Summary

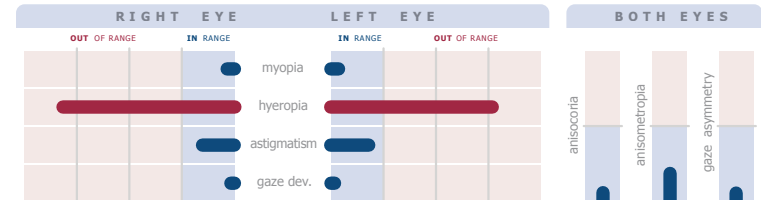


SUBJECT ID 31076-113
 SCREENING 02/02/2017 3:38 pm GENDER F AGE 3Y
 FIRST NAME Charlotte
 LAST NAME Williams

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



•Hyperopia (OD/OS) [farsighted]



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ANISOMETROPIA

Unequal Refractive Power



Anisometropia

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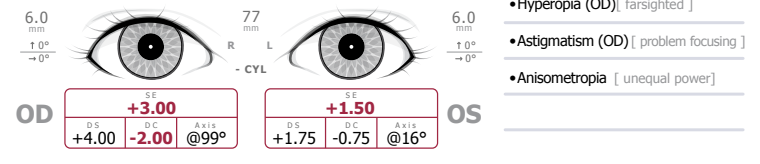
Complete Eye Exam Recommended

Vision Screening Summary

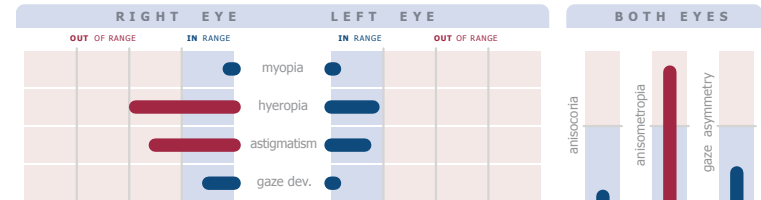


SUBJECT ID **21081-13572**
 SCREENING **02/02/2017 4:27 pm** GENDER **F** AGE **3Y**
 FIRST NAME **Olivia**
 LAST NAME **Dylan**

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



- Hyperopia (OD) [farsighted]
- Astigmatism (OD) [problem focusing]
- Anisometropia [unequal power]



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ASTIGMATISM

Blurred Vision



Astigmatism

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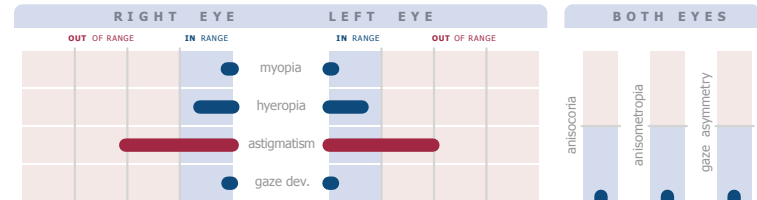
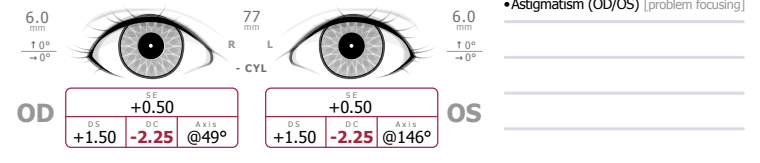
Complete Eye Exam Recommended

Vision Screening Summary



SUBJECT ID 31073-15594
 SCREENING 02/02/2017 2:21 pm GENDER F AGE 11Y
 FIRST NAME Kimberly
 LAST NAME Ryan

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



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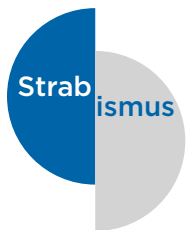
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STRABISMUS

Eye Misalignment, Gaze



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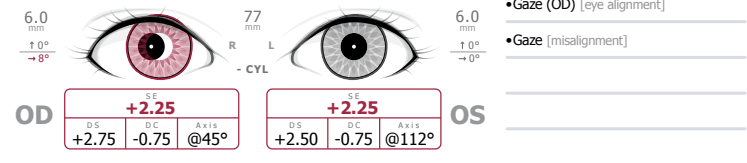
Complete Eye Exam Recommended

Vision Screening Summary



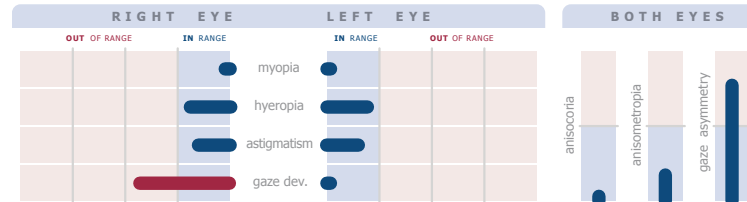
SUBJECT ID 31072-12585
 SCREENING 02/02/2017 1:58 pm GENDER F AGE 3Y
 FIRST NAME Sophia
 LAST NAME Alexander

Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



•Gaze (OD) [eye alignment]

•Gaze [misalignment]



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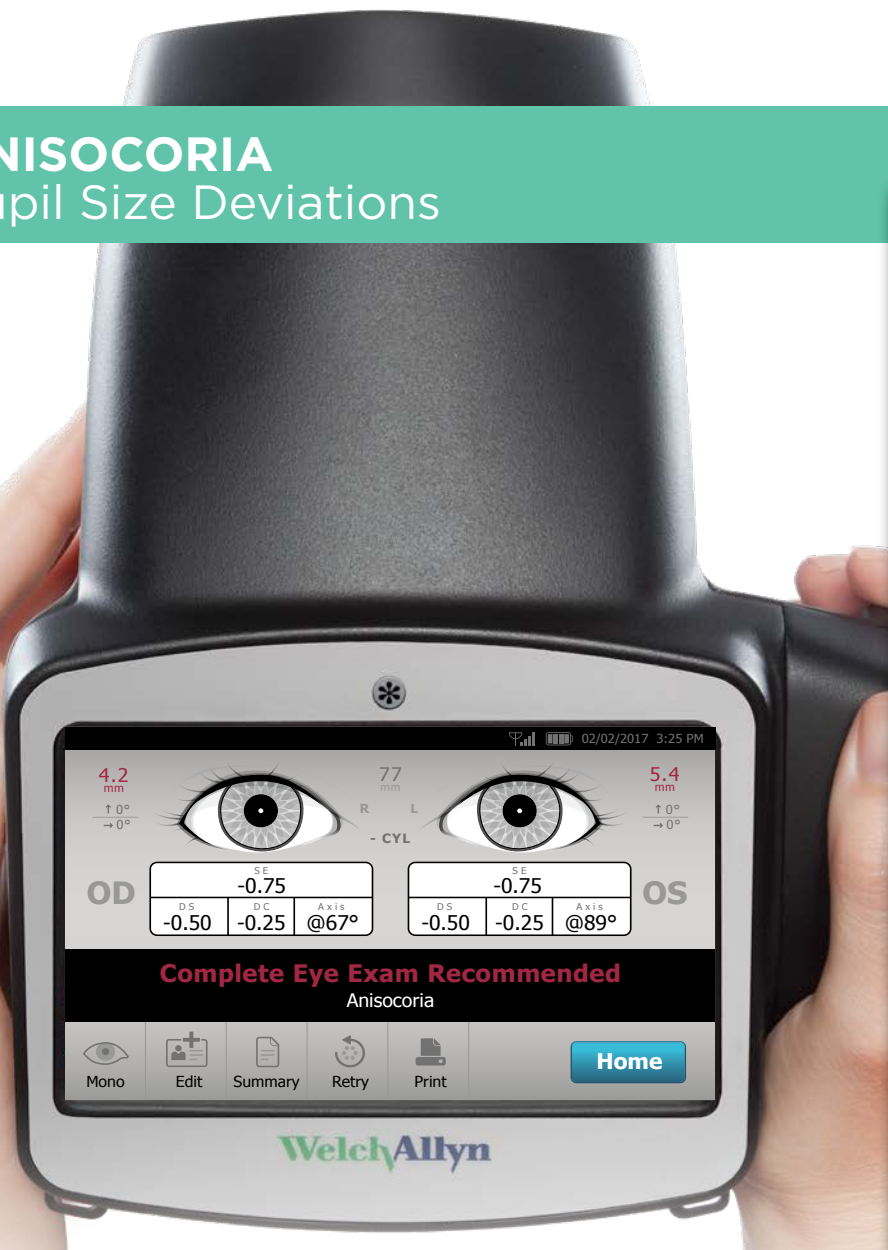
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ANISOCORIA

Pupil Size Deviations



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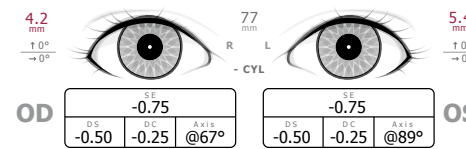
Complete Eye Exam Recommended

Vision Screening Summary



SUBJECT ID 31079-12111
 SCREENING 02/02/2017 3:25 pm GENDER F AGE 11Y
 FIRST NAME Hannah
 LAST NAME Evans

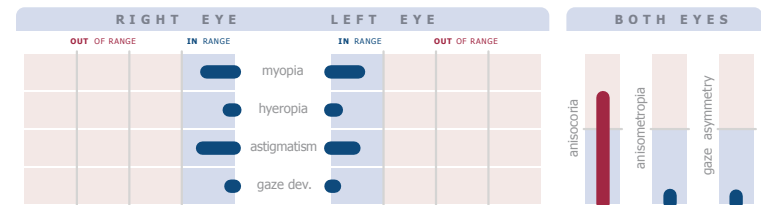
Vision screening should be conducted regularly as eyes may change over time. **POTENTIAL CONDITION**



• Anisocoria [unequal pupil size]

Complete Eye Exam Recommended
 Anisocoria

- Mono
- Edit
- Summary
- Retry
- Print
- Home



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GLOSSARY OF TERMS

Refractive Measurements

Consists of Sphere, Cylinder and Axis

Sphere [DS]

Measures the power of the eye for myopia and hyperopia

Cylinder [DC]

Measures the shape of the cornea

Axis

Measurable location of astigmatism

Spherical Equivalent [SE]

Equal to the sum of the value of the sphere and half of the cylinder

Pupillary Distance [PD]

Distance between the center of the pupil in each eye

Cylinder Convention

There are two different conventions for indicating the amount of cylinder: “plus cylinder notation” and “minus cylinder notation”

OD [oculus dexter]

Right eye

OS [oculus sinister]

Left eye

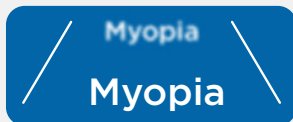
Binocular

Both eyes

HERE'S WHAT SPOT VISION SCREENER CAN DETECT:

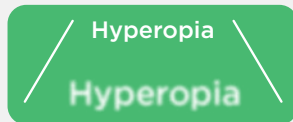
Myopia

Near-sightedness



Hyperopia

Far-sightedness



Anisometropia

Unequal refractive power



Astigmatism

Blurred vision, eye structure problem

Astigmatism

Strabismus

Eye misalignment, Gaze



Anisocoria

Pupil Size is Unequal



WELCH ALLYN SPOT™ VISION SCREENER

**REVOLUTIONIZING EARLY DETECTION OF AMBLYOPIC
RISK FACTORS IN CHILDREN 6 MONTHS AND OLDER.**



For more information, please visit welchallyn.com/spotvision
or contact your local Welch Allyn office.

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