

Home Visual Acuity Testing

Vision testing is an important component of the eye evaluation. While office-based testing is most accurate, in-home testing can still provide helpful information for your doctor. The vision charts in this document may either be printed or viewed on a computer or tablet. We recommend printing the chart, if possible, instead of using a screen. Tape it to a wall in a well-lit space.

Instructions

1. To test distance vision, adults should use the standard ETDRS eye chart (page 2). Children should use the HOTV chart and matching page (pages 3 and 4).
2. Please be sure that the chart is displayed at the correct size prior to testing. The circle on the chart should measure 1 inch, the size of a US quarter dollar coin. The orange lines at the bottom of the charts should each measure 86 mm, the size of the long edge of a standard credit card. If viewing on a digital screen, adjust the document zoom until the document is displayed in the correct dimensions.
3. If you wear glasses to see far away, wear them for the distance vision test. Stand exactly 5 feet from the eye chart when checking distance vision.
4. If you wear reading glasses or bifocals, wear them for the near vision test. Hold the near vision chart 14 inches from your face when checking near vision.
5. Test vision using one eye at a time. Cover the opposite eye using a Kleenex, large spoon, or palm of a hand. Watch carefully to avoid accidental peeking, especially in between fingers.
6. When testing children, point to one letter at a time and ask the child to point to the matching letter on the HOTV matching page.
7. You gain credit for a line if you can see at least 3 letters reliably.
8. Record the numbers located to the left of the smallest line you can see (e.g. 20/50) in the table below. Please pay close attention to the eye being tested prior to recording. It is easy to accidentally record the results under the wrong eye.

	Right Eye	Left Eye
Distance Vision:	20/_____	20/_____
Near Vision:	20/_____	20/_____
Reliability Estimate (for kids):	Low / Medium / High	Low / Medium / High

ETDRS Chart - Test at 5 Feet

20/200

H Z V D S

20/160

N C V K D

20/125

C Z S H N

20/100

O N V S R

20/80

K D N R O

20/63

Z K C S V

20/50

D V O H C

20/40

O H V C K

20/32

H Z C K O

20/25

N C K H D

20/20

Z H C S R

20/16

E S Z R D N



Circle should measure 1 inch, the size of a US quarter dollar coin

Orange line should measure 86 mm, the long edge of a standard credit card

HOTV Chart - Test at 5 Feet

20/200

V O H V T

20/160

T V O H O

20/125

H T H O V

20/100

V O T V H

20/80

O V H T O

20/63

V T O H T

20/50

H V H T O

20/40

T O V O H

20/32

O T H V T

20/25

V O V T H

20/20

T H T O V

20/16

H T H V O



Circle should measure 1 inch, the size of a US quarter dollar coin

Orange line should measure 86 mm, the long edge of a standard credit card

HOTV Matching Page

H

O

T

V

HOTV Near Chart – Test at 14 Inches

Amsler Grid

20/800		T V O
20/400		O H O V T
20/200	J16	V O H T H
20/100	J10	H V T O V
20/70	J7	O T H V O
20/50	J5	T H O T V
20/40	J3	O T H V H
20/30	J2	H O V O T
20/25	J1	T V H T O
20/20	J1+	H T V O V

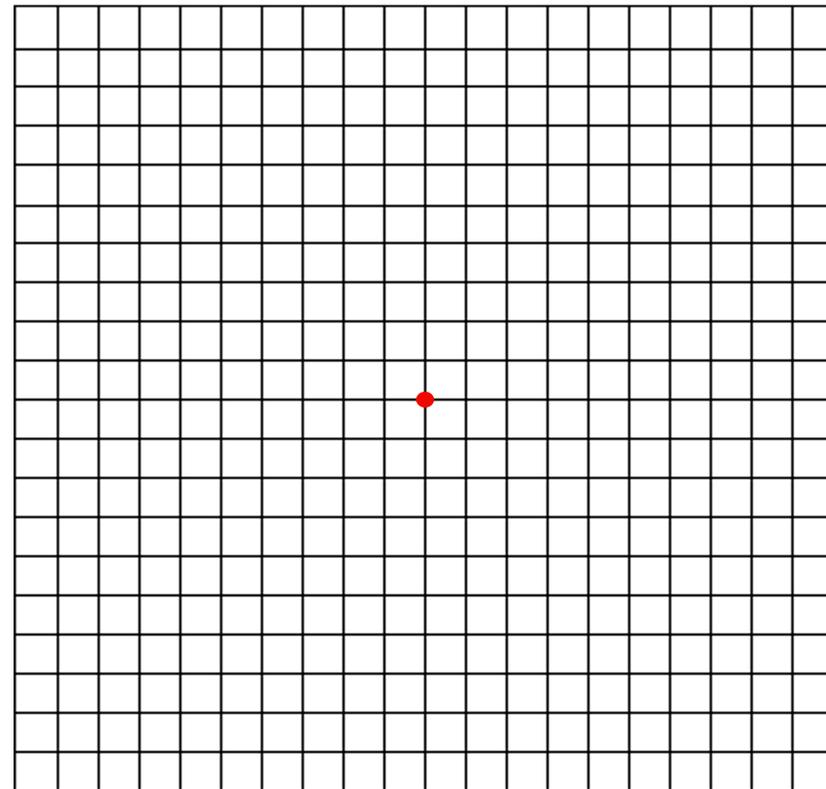
Snellen
Equivalent

Jaeger



Circle should measure 1 inch, the size of a US quarter dollar coin

Line should measure 86 mm, the long edge of a standard credit card



1. Wear the eyeglasses you normally wear for reading and test one eye at a time.
2. Hold Amsler grid 14" from your face and focus on the central red dot. Observe the appearance of the lines while keeping your eye on the dot.
3. Notify your doctor if any lines are missing, blurry, bent, or distorted.