

Near acuity card

Hold at 40 cm (16 inches). Test each eye separately.

Printed at actual size, this bar is 100 mm.



If the bar is short the page was scaled.

Reprint with Fit to Page and Shrink to Fit turned off, and check it again.

THE CHART

Three optotype sets, all sized for 40 cm. Use letters first. Numbers suit the patient who does not read the Latin alphabet. The tumbling E needs no literacy in any language: the patient points the way the legs face.

Letters

K	20/200	4.0 M
C K	20/100	2.0 M
D C H	20/70	1.4 M
R O K O	20/50	1.0 M
O D O N D	20/40	0.8 M
R Z K C V	20/30	0.6 M
V K R N S V	20/25	0.5 M
Z V R C Z R	20/20	0.4 M

Numbers

2	20/200	4.0 M
6 5	20/100	2.0 M
8 9 5	20/70	1.4 M
4 2 4 7	20/50	1.0 M
8 2 5 2 9	20/40	0.8 M
3 9 2 9 6	20/30	0.6 M
5 8 4 2 4 7	20/25	0.5 M
8 2 4 9 5 4	20/20	0.4 M

Tumbling E

Ш	20/200	4.0 M
м м	20/100	2.0 M
Е Э м	20/70	1.4 M
W Э W Э	20/50	1.0 M
м Е м Е	20/40	0.8 M
и Э Э Э	20/30	0.6 M
и и и и и	20/25	0.5 M
и и и и и	20/20	0.4 M

USING IT

- Hold the card 40 cm from the patient. That is about elbow to knuckles on most adults.
- Test one eye at a time, occluding the other without pressing on it. Leave the patient's usual reading glasses on.
- Record the smallest line read as near acuity with the distance: near 20/40 at 40 cm, right eye, with readers.
- A patient over 40 without reading glasses will test poorly on any near card. That is presbyopia, not your finding.
- Near acuity is a screening substitute for a calibrated distance chart. Note that so the number is read in context.

IF THE LARGEST LINE CANNOT BE READ



Record the level reached, and for counting fingers the distance as well: CF at 2 feet, right eye.

IF AN OPEN GLOBE IS SUSPECTED

Do not press on the eye and do not ask the patient to squeeze the lids shut. Vision can be estimated without touching the eye.

Optotypes are sized from the standard five arcminute definition at 40 cm. Letterforms approximate Sloan geometry in Helvetica Bold and are intended for bedside screening, not research grade acuity.

Pocket cards

Each card carries its own 50 mm scale. Check it after cutting: if the scale is short, the page was scaled down and the card is not usable.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

K	20/200	4.0 M
D N	20/100	2.0 M
C S H	20/70	1.4 M
V N Z S	20/50	1.0 M
O D Z C D	20/40	0.8 M
C H V K N	20/30	0.6 M
S C R N Z S	20/25	0.5 M
H C K C R C	20/20	0.4 M

E
W M
3 W 3
W M W W
3 W W E M
W W W W
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

C	20/200	4.0 M
N H	20/100	2.0 M
S V Z	20/70	1.4 M
H S H N	20/50	1.0 M
H O C H C	20/40	0.8 M
N O R O Z	20/30	0.6 M
Z S R S V C	20/25	0.5 M
N K Z N R Z	20/20	0.4 M

E
W E
M E M
M W 3 E
W E M M M
W W W W
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

C	20/200	4.0 M
N D	20/100	2.0 M
V S R	20/70	1.4 M
V R K H	20/50	1.0 M
D O R D C	20/40	0.8 M
V R N D N	20/30	0.6 M
C N R C K V	20/25	0.5 M
S K Z S Z V	20/20	0.4 M

3
M M
W M E
M M W E
W 3 M M 3
W W W W
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

S	20/200	4.0 M
O H	20/100	2.0 M
S Z H	20/70	1.4 M
S K C S	20/50	1.0 M
S N R D S	20/40	0.8 M
H Z K C R	20/30	0.6 M
R S N R K C	20/25	0.5 M
Z O C V O N	20/20	0.4 M

W
W E
3 3 3
W M E W
W W 3 W E
W W W W
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

V	20/200	4.0 M
V N	20/100	2.0 M
K D S	20/70	1.4 M
Z H Z O	20/50	1.0 M
S R O H C	20/40	0.8 M
D V R Z N	20/30	0.6 M
S D R N K S	20/25	0.5 M
H V D C K Z	20/20	0.4 M

W
E E
E 3 E
W E M W
W W E M M
E M 3 E 3
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.

Near acuity card

ASOT

Hold at 40 cm. One eye at a time.



this bar is 50 mm

no literacy needed

N	20/200	4.0 M
H D	20/100	2.0 M
S D R	20/70	1.4 M
R N R N	20/50	1.0 M
K C D H S	20/40	0.8 M
K C O S D	20/30	0.6 M
K D C V C N	20/25	0.5 M
O Z O Z N O	20/20	0.4 M

M
E W
3 E 3
M W E W
E E M W E
W 3 3 3
W W W W
W W W W

Record as near acuity with the distance and whether readers were worn. Do not press on a suspected open globe.