Visual Acuity Testing with Symbols—Android

- 1. Open the Google Play Store and search "snellen chart"
- Download the first app titled "Snellen Chart" by software developer Joao Meneses

- 3. Open the app
- 4. Select the Menu button (\equiv) in the upper left corner
- 5. Select "Settings"
- 6. Change Input Unit System → Imperial
- 7. Change Snellen Fraction Denominator $\rightarrow 20/20$
- 8. Change **Distance from User to Display** \rightarrow 10 feet
- 9. Measure **Screen Diagonal Size** of your device with ruler as shown with the red line below. Enter size in inches











- 10. Change Selected Optotype Display Mode → Single
- 11. Change Selected Optotype \rightarrow LEA Symbols
- 12. Set Custom Acuity Limits → Check box
- 13. Change Set Upper Acuity Limit \rightarrow 0.06
- 14. Change Set Upper Acuity Limit \rightarrow 1
- 15. Press Menu button (\equiv) in upper left corner, and select "Snellen Chart" to return to app

\equiv Snellen Chart ?	
Chart	ſ
Selected Optotype Display Mode	
Selected Optotype LEA Symbols	
Contrast 255	
Set Custom Acuity Limits)
Set Upper Acuity Limit	
Set Lower Acuity Limit	
Low Color Mode	



- 16. Swipe **DOWN** on the screen several times until symbol is at largest size
- 17. Stand **10 ft** away from your child's eyes and hold the device at his or her eye level. This should be measured with a tape measure to ensure most accurate results. If no tape measure is available, 10 feet is roughly the length of 11 standard size sheets of paper (using long side)

18. The vision in each eye must be tested individually. Instruct your child to cover one eye with the **palm** of their hand, making sure they are unable to peek around their hand or between fingers. The head should remain straight forward during testing. It is helpful to use another adult to cover the eye, or use an adhesive patch if available. If your child wears glasses, tissue or paper towel may be placed under the frames to cover the eye as shown





 When you have achieved the appropriate distance and one eye is fully covered, begin testing.

Swipe **RIGHT** to change symbol

Swipe **UP** to decrease size

Swipe **DOWN** to increase size

How to determine your child's best vision:

Beginning with the largest size, ask your child to identify one symbol. If correct, decrease the size by swiping **UP** one time. Continue presenting one symbol per size until your child answers incorrectly or begins struggling to see.

When your child begins to have difficulty, increase the size 2 levels by swiping **DOWN** 2 times, and begin presenting **5** symbols of each size.

Your child's vision score will be the smallest size they can identify 3 out of 5 symbols correctly.

- If your child misses only 1 or 2 symbols out of 5, continue to the next size down.
- If your child misses 3 or more symbols out of 5, stop testing. Swipe DOWN one time to increase size to the <u>next size up</u>. This is your child's final vision. Write down which eye was uncovered during testing and the number above "Snellen Fraction" at the bottom of the screen. You must report this number to your doctor during your telemedicine exam.
- If your child can correctly identify at least 3 out of 5 symbols on the smallest line, record vision as 20/20
- 20. To test the other eye, swipe DOWN several times to reset symbol to largest size as in Step 16. Cover the other eye, repeat testing as above, and record score



To ensure a successful virtual visit, your doctor will require vision scores for both the right and left eye, **tested individually.** Testing vision with both eyes open should NOT be completed for your telemedicine visit.