

Table 2. Baseline best corrected visual acuity (LogMAR) and differences by participant characteristics: cross-sectional associations of participant characteristics with baseline visual acuity.

	Mean VA (LogMAR) (95%CI)	Univariate model		Multivariate model	
		Difference Compared to Reference Group (95%CI)	p-value*	Adjusted Difference Compared to Reference Group (95%CI)	p-value*
<b>Age at baseline visit (years)**</b>			0.005		0.32
<=18	0.89 (0.83, 0.94)	ref		ref <sup>+</sup>	
>18-50	0.79 (0.75, 0.84)	-0.09 (-0.17, -0.02)		0.06 (-0.02, 0.14)	
50+	0.67 (0.55, 0.79)	-0.21 (-0.35, -0.08)		0.08 (-0.07, 0.23)	
<b>Age at baseline modeled as a continuous variable</b>		Every 5 years older in age, VA difference		Every 5 years older in age, adj. VA difference <sup>+</sup>	
		-0.02 (-0.03, -0.005)	0.007	0.03 (0.01, 0.06)	0.02
<b>Sex</b>			0.84	<b>NA</b>	
Female	0.79 (0.74, 0.84)				
Male	0.80 (0.74, 0.85)	0.01 (-0.07, 0.08)			
<b>Race</b>			0.08		0.14
White	0.80 (0.76, 0.84)	ref		ref <sup>#</sup>	
Non-white	0.71 (0.62, 0.81)	-0.09 (-0.19, 0.01)		0.07 (-0.16, 0.02)	
<b>Age of symptom onset (years)</b>			<.001		<.001
<=14	0.94 (0.89, 0.98)	ref		ref <sup>++</sup>	
15-20	0.84 (0.78, 0.90)	-0.09 (-0.17, -0.02)		-0.00 (-0.13, 0.13)	
21-30	0.73 (0.65, 0.81)	-0.20 (-0.29, -0.11)		-0.11 (-0.25, 0.03)	
30+	0.59 (0.49, 0.69)	-0.35 (-0.46, -0.24)		-0.23 (-0.39, -0.06)	

<b>Age of symptom onset modeled as a continuous variable</b>		Every 5 years later in onset, VA difference	Every 5 years later in onset, adj. VA difference <sup>++</sup>
		-0.05 (-0.07, -0.03)	<.001 -0.08 (-0.11, -0.04) <.001
<b>Duration since symptom onset at the baseline visit (years)</b>			<.001
0-2	0.56 (0.43, 0.68)	ref	ref <sup>++</sup>
>2-6	0.72 (0.653, 0.80)	0.16 (0.02, 0.31)	0.10 (-0.03, 0.22)
>6-11.5	0.76 (0.69, 0.84)	0.20 (0.05, 0.35)	0.15 (0.02, 0.27)
11.5+	0.90 (0.85, 0.95)	0.34 (0.21, 0.48)	0.26 (0.15, 0.40)
<b>Duration since symptom onset modeled as a continuous variable</b>		Every 5 years longer duration, VA difference	Every 5 years longer duration, adj. VA difference <sup>++</sup>
		0.06 (0.05, .08)	0.001 0.05 (0.04, 0.07) <.001
<b>Vitamin A use</b>			0.34
No	0.80 (0.76, 0.84)	ref	NA
Yes	0.73 (0.60, 0.87)	-0.06 (-0.20, 0.07)	
<b>Smoking Status</b>			0.26
Never	0.78 (0.74, 0.82)	ref	NA
Former	0.79 (0.67, 0.91)	0.01 (-0.11, 0.14)	
Current	0.87 (0.77, 0.98)	0.10 (-0.01, 0.20)	
<b>Nerve pallor</b>			0.44
No	0.79 (0.75, 0.83)	ref	NA
Yes	0.82 (0.74, 0.90)	0.03 (-0.05, 0.11)	
<b>RPE pigmentary abnormality</b>			0.006
No	0.72	ref	ref <sup>#</sup> 0.003

	Yes	(0.66, 0.78) 0.83 (0.78, 0.87)	0.10 (0.03, 0.18)	0.10 (0.04, 0.17)
<b>Flecks within arcades</b>			0.27	<b>NA</b>
	No	0.74 (0.64, 0.84)	ref	
	Yes	0.80 (0.76, 0.84)	0.06 (-0.05, 0.17)	
<b>Flecks outside arcades</b>			<.001	<.001
	No	0.71 (0.66, 0.76)	ref	ref <sup>#</sup>
	Yes	0.89 (0.83, 0.94)	0.18 (0.11, 0.25)	0.12 (0.05, 0.19)

CI: confidence interval.

NA: not applicable in multivariate model because the variable was not associated with baseline VA in the univariate analysis.

\*: the p-value is for testing whether there was a significant difference in VA compared to the reference group.

+ : Since age at baseline was a linear function of age of symptom onset and duration from the onset to the baseline visit, when estimating adjusted difference by age, the multivariate model included only baseline age and age of symptom onset.

++ : The multivariate model included age of symptom onset and duration since symptom onset.

#: The multivariate model included categorized baseline age, categorized age of symptom onset, race, RPE pigmentation, and having flecks outside the arcades.