

eSupplement 7. Proxy 12-17 year PedEyeQ domain scores across different eye conditions, showing comparison with visually normal controls

Eye Condition ^a	N	Functional Vision		Bothered by Eyes/Vision		Social		Frustration/Worry		Eye care	
		Median (range) P value	Mean difference from controls (95% CI)	Median (range) P value	Mean difference from controls (95% CI)	Median (range) P value	Mean difference from controls (95% CI)	Median (range) P value	Mean difference from controls (95% CI)	Median (range) P value	Mean difference from controls (95% CI)
Control	58	100 (95-100)		100 (95-100)		100 (100-100)		100 (81-100)		100 (100-100)	
Amblyopia	31	85 (40-100) <0.001	-21 (-27 to -15)	90 (35-100) <0.001	-17 (-24 to -11)	100 (25-100) <0.001	-10 (-17 to -3)	81 (50-100) <0.001	-20 (-26 to -13)	92 (33-100) <0.001	-11 (-17 to -5)
Cataract	13	85 (20-100) <0.001	-28 (-45 to -12)	95 (25-100) <0.001	-20 (-35 to -5)	100 (25-100) <0.001	-17 (-32 to -2)	94 (19-100) <0.001	-20 (-36 to -3)	92 (58-100) <0.001	-12 (-21 to -2)
Cornea	7	75 (5-100) <0.001	-31 (-60 to -2)	75 (65-100) <0.001	-16 (-31 to -2)	94 (56-100) <0.001	-16 (-21 to -11)	75 (50-100) <0.001	-22 (-41 to -3)	92 (67-100) <0.001	-12 (-23 to -1)
CVI	12	55 (5-100) <0.001	-46 (-66 to -26)	63 (15-100) <0.001	-37 (-54 to -20)	100 (19-100) <0.001	-18 (-26 to -10)	75 (6-100) <0.001	-33 (-55 to -11)	92 (25-100) <0.001	-19 (-34 to -5)
Eyelid	7	95 (90-100) <0.001	-3 (-5 to -2)	100 (95-100) 0.01	-1 (-2 to 0)	100 (94-100) <0.001	-2 (-3 to -1)	100 (94-100) 0.01	-1 (-3 to 1) ^b	100 (83-100) <0.001	-4 (-5 to -2)
Glaucoma	8	75 (55-100) <0.001	-24 (-39 to -10)	80 (50-100) <0.001	-20 (-34 to -7)	91 (75-100) <0.001	-10 (-19 to -1)	81 (56-100) <0.001	-22 (-38 to -6)	92 (33-100) <0.001	-17 (-22 to -11)
Nystagmus	13	55 (5-100) <0.001	-50 (-69 to -31)	60 (40-100) <0.001	-34 (-48 to -21)	50 (50-100) <0.001	-30 (-44 to -16)	56 (31-100) <0.001	-32 (-48 to -16)	83 (50-100) <0.001	-19 (-31 to -7)
Orbital	6	78 (10-90) <0.001	-31 (-39 to -24)	80 (50-95) <0.001	-26 (-46 to -5)	56 (31-94) <0.001	-38 (-62 to -13)	56 (50-81) <0.001	-36 (-51 to -21)	83 (50-100) <0.001	-24 (-29 to -18)
Refractive error	47	95 (55-100) <0.001	-8 (-11 to -5)	100 (55-100) <0.001	-7 (-10 to -4)	100 (56-100) <0.001	-4 (-6 to -1)	100 (50-100) <0.001	-7 (-11 to -3)	100 (75-100) <0.001	-4 (-6 to -2)
Retina	28	60 (0-100) <0.001	-43 (-55 to -30)	73 (0-100) <0.001	-33 (-44 to -21)	94 (6-100) <0.001	-21 (-32 to -10)	75 (0-100) <0.001	-33 (-45 to -22)	83 (42-100) <0.001	-20 (-27 to -13)
Strabismus	61	80 (15-100) <0.001	-23 (-28 to -18)	90 (25-100) <0.001	-17 (-22 to -13)	88 (6-100) <0.001	-18 (-23 to -12)	81 (19-100) <0.001	-21 (-26 to -15)	92 (42-100) <0.001	-12 (-16 to -8)
Uveitis	16	68 (25-100) <0.001	-30 (-42 to -19)	75 (15-100) <0.001	-31 (-43 to -18)	97 (13-100) <0.001	-20 (-34 to -5)	56 (6-75) <0.001	-46 (-57 to -35)	83 (8-100) <0.001	-29 (-43 to -15)

^aFewer than 5 children with pupil/iris conditions completed questionnaires, and therefore were not analyzed.

^bSignificant difference in distributions despite 95% confidence intervals crossing zero, due to non-normal distribution of data.