

Supplement Table 1 Age- and gender-specific percentiles of baseline spherical equivalent distribution among participants (including negative progression)

Age(yrs)	N	Boys (N=2331)						Girls (N=1948)					
		Raw Percentiles <i>P50 (P25, P75)</i>	Estimated Percentiles (LMS)					Raw Percentiles <i>P50 (P25, P75)</i>	Estimated Percentiles (LMS)				
			P2.5	P25	P50	P75	P97.5		P2.5	P25	P50	P75	P97.5
3	317	1.00 (0.50, 1.50)	-1.99	0.31	0.96	1.36	2.91	1.00 (0.50, 1.63)	-1.69	0.51	1.13	1.62	3.51
4	594	1.00 (0.50, 1.38)	-1.98	0.32	0.96	1.37	2.92	1.13 (0.75, 1.63)	-1.71	0.49	1.11	1.60	3.49
5	322	1.00 (0.50, 1.38)	-1.99	0.30	0.95	1.35	2.90	1.00 (0.75, 1.50)	-1.79	0.40	1.03	1.52	3.41
6	508	0.75 (0.25, 1.25)	-2.09	0.20	0.85	1.26	2.81	1.00 (0.50, 1.47)	-1.96	0.24	0.86	1.35	3.24
7	910	0.75 (0.25, 1.25)	-2.24	0.05	0.70	1.11	2.66	0.75 (0.13, 1.13)	-2.20	0.00	0.62	1.12	3.00
8	1080	0.25 (-0.50, 0.88)	-2.44	-0.15	0.50	0.91	2.46	0.25 (-0.38, 0.88)	-2.44	-0.24	0.38	0.87	2.76
9	164	0.38 (-0.59, 0.75)	-2.62	-0.32	0.33	0.73	2.28	0.31 (-1.22, 0.75)	-2.63	-0.43	0.19	0.68	2.57
10	50	0.06 (-1.28, 0.75)	-2.78	-0.48	0.17	0.57	2.12	0.50 (-0.72, 0.97)	-2.85	-0.65	-0.03	0.46	2.35
11	50	0.25 (-1.63, 0.50)	-2.96	-0.67	-0.02	0.39	1.94	0.25 (-1.75, 0.63)	-3.15	-0.96	-0.34	0.16	2.05
12	65	-0.13 (-0.88, 0.75)	-3.19	-0.90	-0.25	0.16	1.70	-0.50 (-1.91, 0.03)	-3.57	-1.37	-0.75	-0.26	1.63
13	56	-0.88 (-2.00, 0.50)	-3.49	-1.20	-0.55	-0.14	1.41	-2.06 (-3.44, -0.56)	-4.08	-1.89	-1.27	-0.77	1.12
14	21	-1.00 (-1.75, 0.25)	-3.84	-1.55	-0.90	-0.49	1.06	-0.38 (-1.31, 0.19)	-4.67	-2.48	-1.86	-1.36	0.53
15	83	-3.13 (-3.84, -0.91)	-4.22	-1.93	-1.28	-0.87	0.67	-3.00 (-5.25, -1.50)	-5.31	-3.11	-2.49	-2.00	-0.11
16	62	-2.94 (-4.13, -1.25)	-4.62	-2.32	-1.67	-1.27	0.28	-4.19 (-5.34, -0.78)	-5.96	-3.76	-3.14	-2.65	-0.76

Supplement Table 2 Age-specific Refractive distribution and progression in myopes and non-myopes (including negative progression)

Age (yrs)	N	Myopes (N=745)		Non-myopes (N=3541)	
		Baseline SE <i>P50 (P25, P75)</i>	One-year progression <i>P50 (P25, P75)</i>	Baseline SE <i>P50 (P25, P75)</i>	One-year progression <i>P50 (P25, P75)</i>
3	317	-0.75 (-1.13, -0.63)	-1.50 (-2.75, -0.25)	1.00 (0.53, 1.50)	-0.13 (-0.50, 0.25)
4	594	-1.25 (-1.88, -0.63)	-0.88 (-2.25, -0.38)	1.13 (0.63, 1.50)	0.00 (-0.25, 0.25)
5	322	-0.88 (-0.94, -0.75)	0.13 (-1.06, 0.56)	1.00 (0.75, 1.50)	0.00 (-0.25, 0.25)
6	508	-0.75 (-1.25, -0.63)	0.00 (-1.25, 1.25)	1.00 (0.50, 1.38)	0.25 (-0.13, 0.63)
7	910	-0.88 (-1.5, -0.63)	0.63 (-0.13, 1.13)	0.88 (0.50, 1.25)	0.25 (0.00, 0.75)
8	1080	-1.38 (-2.25, -0.88)	0.75 (0.38, 1.13)	0.63 (0.13, 1.00)	0.25 (0.00, 0.75)
9	164	-1.75 (-2.75, -0.97)	0.75 (0.50, 1.00)	0.63 (0.38, 1.00)	0.25 (0.13, 0.50)
10	50	-1.75 (-2.00, -1.00)	0.75 (0.50, 1.13)	0.75 (0.25, 1.00)	0.25 (0.13, 0.63)
11	50	-2.25 (-2.88, -1.63)	0.88 (0.66, 1.00)	0.50 (0.25, 0.75)	0.25 (0.13, 0.50)
12	65	-1.88 (-2.75, -0.88)	0.75 (0.50, 1.00)	0.50 (0.00, 0.75)	0.25 (0.00, 0.50)
13	56	-2.63 (-3.81, -1.63)	0.63 (0.25, 0.88)	0.50 (0.28, 0.75)	0.25 (0.00, 0.47)
14	21	-1.50 (-2.28, -1.19)	0.56 (0.25, 0.75)	0.25 (0.25, 0.88)	0.25 (-0.25, 0.25)
15	83	-3.50 (-5.25, -2.00)	0.38 (0.13, 0.63)	0.19 (-0.06, 0.69)	0.38 (0.13, 0.41)
16	62	-3.94 (-5.16, -2.22)	0.38 (0.25, 0.63)	0.00 (-0.06, 0.75)	0.13 (0.00, 0.38)

Supplement Table 3 Age-specific means of refractive progression and the standard value of hyperopia reserve by backward calculation (including negative progression)

Age (yrs)	N	Refractive progression <i>Mean ± SD</i>	Hyperopia reserve <i>mean</i>	Hyperopia reserve <i>range</i>	Proportion of baseline participants that fall within the hyperopia reserve range (%)
3	302	-0.14 ± 0.62	1.16	(0.54, 1.78)	61.3
4	578	-0.04 ± 0.57	1.30	(0.73, 1.87)	61.2
5	311	-0.02 ± 0.49	1.34	(0.85, 1.83)	52.4
6	479	0.20 ± 0.60	1.36	(0.76, 1.96)	46.1
7	787	0.21 ± 0.56	1.16	(0.60, 1.72)	57.9
8	815	0.21 ± 0.43	0.95	(0.52, 1.38)	43.4
9	112	0.21 ± 0.25	0.74	(0.49, 0.99)	39.3
10	33	0.21 ± 0.16	0.53	(0.37, 0.69)	15.2
11	32	0.18 ± 0.18	0.32	(0.14, 0.50)	40.6
12	36	0.12 ± 0.21	0.14	(-0.07, 0.35)	22.2
13	22	0.16 ± 0.20	0.02	(-0.18, 0.22)	4.5
14	9	0.10 ± 0.28	-0.14	(-0.42, 0.14)	22.2
15	12	0.18 ± 0.21	-0.24	(-0.45, -0.03)	25.0
16	12	0.08 ± 0.20	-0.42	(-0.50, -0.22)	18.2
17			-0.50	>-0.5	