

**Supplementary Table 1. Prevalences of IA at different magnitudes (OD and OS)**

	$\geq 0.5$ D	$\geq 0.75$ D	$\geq 1.0$ D	$\geq 1.5$ D
	<i>n</i> (%)	<i>n</i> (%)	<i>n</i> (%)	<i>n</i> (%)
IA OD (1783)	1239 (69.5)	751 (42.1)	372 (20.9)	56 (3.1)
IA OS (1762)	1269 (72.0)	747 (42.4)	367 (20.8)	63 (3.6)
Boys OD (883)	588 (66.6)	341 (38.6)	162 (18.3)	23 (2.6)
Boys OS (873)	588 (67.4)	318 (36.4)	143 (16.4)	28 (3.2)
Girls OD (900)	651 (72.3)	410 (45.6)	210 (23.3)	33 (3.7)
Girls OS (889)	681 (76.6)	429 (48.2)	224 (25.2)	35 (3.9)
*P Value OD	< 0.01	< 0.01	0.01	0.22
*P Value OS	< 0.01	< 0.01	< 0.01	0.24

**Supplementary Table 2. Mean IA by gender and refraction group (OD and OS)**

IA	<i>n</i> (%)	mean	P*
Total OD	1783	0.72 D	
Total OS	1762	0.74 D	
Gender			
Boys	883 (49.5)	0.69 D	< 0.01
	873 (49.5)	0.70 D	< 0.01
Girls	900 (50.5)	0.75 D	-
	889 (50.5)	0.77 D	
Refraction group (D)			
SE $\leq -6$	54 (3.0)	0.65 D	0.13
	53 (3.0)	0.67 D	0.65
$-6 < SE \leq -3.0$	371 (20.8)	0.71 D	0.28
	368 (20.9)	0.72 D	0.17
$-3 < SE \leq -0.5$	773 (43.4)	0.72 D	0.37
	760 (43.2)	0.75 D	0.80
$-0.5 < SE < +0.5$	297 (16.7)	0.74 D	-
	295 (16.7)	0.74 D	
$+0.5 \leq SE < +2$	265 (14.9)	0.72 D	0.44
	265 (15.0)	0.73 D	0.98
SE $\geq +2$	23 (1.3)	0.68 D	0.43

21 (1.2)

0.68 D

0.70

**Supplementary Table 3. Prevalences of IA by gender and different classification with axes (OD and OS)**

		<i>IA</i>		
		WTR	ATR	Oblique
		<i>n</i> (%)	<i>n</i> (%)	<i>n</i> (%)
± 15°	Total 1783	21 (1.2)	1235 (69.3)	527 (29.5)
	Total 1762	50 (2.8)	1090 (61.9)	622 (35.3)
	Boys 883	10 (1.1)	604 (68.4)	269 (30.5)
	Boys 873	28 (3.2)	544 (62.3)	301 (34.5)
	Girls 900	11 (1.2)	631 (70.1)	258 (28.7)
	Girls 889	22 (2.5)	546 (61.4)	321 (36.1)
	* <i>P</i> Value	0.52 0.39	0.23 0.37	0.22 0.25
	± 20°	Total 1783	60 (3.4)	1414 (79.3)
Total 1762		64 (3.6)	1295 (73.5)	403 (22.9)
Boys 883		28 (3.2)	689 (78.0)	166 (18.8)
Boys 873		36 (4.1)	644 (73.8)	193 (22.1)
Girls 900		32 (3.6)	725 (80.6)	143 (15.9)
Girls 889		28 (3.1)	651 (73.3)	210 (23.6)
* <i>P</i> Value		0.26 0.17	0.30 0.42	0.36 0.24
± 30°		Total 1783	81 (4.6)	1568 (87.9)
	Total 1762	95 (5.4)	1492 (84.7)	175 (9.9)
	Boys 883	39 (4.4)	778 (88.1)	66 (7.5)
	Boys 873	53 (6.1)	732 (83.8)	88 (10.1)
	Girls 900	42 (4.7)	790 (87.8)	68 (7.6)
	Girls 889	42 (4.7)	760 (85.5)	87 (9.8)
	* <i>P</i> Value	0.15 0.13	0.06 0.18	0.51 0.45