

Supplementary S1. Principal causes of blindness, severe vision impairment, moderate vision impairment and early vision impairment in the four regions of Papua New Guinea

Cause	Blindness <sup>a</sup> (%)				Severe Vision Impairment <sup>b</sup> (%)				Moderate Vision Impairment <sup>c</sup> (%)				Early Vision Impairment <sup>d</sup> (%)			
	NCD	Highlands	Coastal	Islands	NCD	Highlands	Coastal	Islands	NCD	Highlands	Coastal	Islands	NCD	Highlands	Coastal	Islands
	n=33	n=104	n=67	n=21	n=18	n=46	n=43	n=15	n=73	n=131	n=201	n=87	n=84	n=89	n=107	n=85
Refractive error	-	-	-	-	5.6	-	-	6.7	26	2.3	18.4	27.6	58.3	13.5	41.1	70.6
Cataract, untreated	81.8	90.4	91	81	77.8	95.7	90.7	73.3	58.9	89.3	76.6	62.1	27.4	74.2	52.3	10.6
Cataract surgical complications	3	1	1.5	-	-	-	-	6.7	1.4	1.5	1.5	1.1	-	4.5	-	1.2
Trachomatous corneal opacity	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-	-
Non-trachomatous corneal opacity	-	1.9	-	4.8	-	2.2	2.3	-	-	-	-	-	-	-	-	-
Phthisis	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-
Diabetic retinopathy	-	-	-	-	-	-	-	6.7	-	-	-	-	-	-	-	1.2
Age-related macular degeneration	3	1	-	-	-	-	-	6.7	-	1.5	1	3	1.2	-	0.9	9.4
Other posterior segment disease	9.1	3.8	3	4.8	16.7	-	2.3	-	13.7	5.3	2.5	5.7	13.1	7.9	5.6	8.2
All other globe/CNS abnormalities	3	1.9	4.5	4.8	-	-	4.7	-	-	-	-	-	-	-	-	-

No occurrences of presenting visual acuity of <6/12 were the primary cause due to uncorrected aphakia, Eales' disease or glaucoma

<sup>a</sup> Blindness indicates VA <3/60; <sup>b</sup> SVI indicates VA <6/60 but ≥3/60; <sup>c</sup> MVI indicates VA <6/18 but ≥6/60; <sup>d</sup> EVI indicates VA <6/12 but ≥6/18