

S1 Table: Code used to derive variables for analysis

Variable	Definition	Code from RAAB dataset
x	individuals with unilateral pseudo/aphakia (i.e. operated cataract) and operable cataract in the other eye	(bvare >2 & causere=3 & lere=2 & lele ≥3 & lele ≤5) OR (bvale >2 & causele=3 & lele=2 & lere ≥3 & lere ≤5)
y	individuals with bilateral pseudo/aphakia, regardless of visual acuity	lere≥3 & lere≤5 & lele≥3 & lele ≤5
z	individuals with bilateral operable cataract	bvare > 2 & lere = 2 & bvale>2 & lele=2
a	individuals with unilateral pseudo/aphakia achieving presenting visual acuity of 6/18 or better in the operated eye and operable cataract in the other eye	(bvale >2 & causele=3 & lele=2 & lere ≥3 & lere≤5 & pvare=1) OR (bvare >2 & causere=3 & lere=2 & lele ≥3 & lele ≤5 & pvare=1)
b	individuals with bilateral pseudo/aphakia achieving presenting visual acuity of 6/18 or better in at least one eye	lere≥3 & lere≤5 & lele≥3 & lele ≤5 & (pvare=1 OR pvale=1)
CSO _{Good}	presenting visual acuity of 6/18 or better in the operated eye of a person who had undergone unilateral cataract surgery, and the better eye of a person who had undergone bilateral cataract surgery	(lere≥3 & lere≤5 & lele≥3 & lele ≤5 & [pvare=1 OR pvale=1]) OR (lere≥3 & lere≤5 & [lele<3 OR lele >5] & pvare=1) OR (lele≥3 & lele≤5 & [lere<3 OR lere >5] & pvare=1)
CSO _{Poor}	presenting visual acuity of worse than 6/60 or better in the operated eye of a person who had undergone unilateral cataract surgery, and the better eye of a person who had undergone bilateral cataract surgery	(lere≥3 & lere≤5 & lele≥3 & lele ≤5 & pvare>2 & pvale>2) OR (lere≥3 & lere≤5 & [lele<3 OR lele >5] & pvare>2) OR (lele≥3 & lele≤5 & [lere<3 OR lere >5] & pvare>2)

Variables used to calculate:

Cataract surgical coverage: $CSC_{\text{person <6/60}} = [(x + y)/(x + y + z)] * 100 (\%)$

Effective CSC: $eCSC_{\text{person <6/60}} = [(a + b)/(x + y + z)] * 100 (\%)$

bvare/ bvale: pinhole visual acuity right/ left eye

causere/ causele: primary cause of reduced visual acuity right/ left eye

lere/ lele: Lens examination right/ left eye

pvare/ pvale: presenting visual acuity right/ left eye