

Supplementary tables

Additional file 1: Table S1: Characteristics of the study sample of the German population-based Gutenberg Health Study (GHS) with visual acuity of both eyes and NEI VFQ-25 data available, stratified by sex.

	Men	Women
n	50.1% (5983)	49.9% (5958)
Age [y]	55.1 (11.1)	54.4 (11.1)
Socio-economic status	13.9 (4.5)	12.4 (4.1)
Eye characteristics:		
Mean spherical equivalent [dpt]	-0.12 (-1.25/0.75)	-0.06 (-1.19/0.88)
Visual acuity (better eye) [logMAR]	0 (0/0.10)	0 (0/0.10)
Visual acuity (worse eye) [logMAR]	0 (0/0.10)	0.10 (0/0.22)
Contact lenses or glasses	88.1% (5271)	90.2% (5375)
Distance glasses	66.7% (3989)	69.3% (4127)
History of eye surgery	6.9% (412)	7.8% (464)
Glaucoma	2.2% (133)	2.3% (137)
Age-related macular degeneration	0.4% (25)	0.4% (26)
Amblyopia	10.0% (600)	9.8% (586)
Vision-related quality of life:		
Visual functioning scale (NEI VFQ-25)	89.6 (81.5/95.1)	89.5 (78.8/94.5)
Socioemotional scale (NEI VFQ-25)	100.0 (94.6/100.0)	100.0 (94.2/100.0)
Comorbidities:		
Cardiovascular disease	12.1% (726)	5.3% (315)
Peripheral artery disease	3.2% (191)	2.9% (170)
Diabetes mellitus	10.8% (648)	6.1% (360)
Chronic kidney disease	1.2% (71)	1.0% (57)
Chronic liver disease	0.5% (32)	0.9% (51)
Chronic obstructive pulmonary disease	4.1% (246)	5.5% (329)
Cancer	8.2% (490)	9.9% (588)
Depression	6.0% (359)	9.2% (545)

Diabetes mellitus was defined by fulfilling one of the following criteria: diabetes mellitus diagnosed by a physician, known therapy (oral medication or insulin), or HbA1c $\geq 6.5\%$. Depression was defined using the Patient Health Questionnaire (PHQ-9), using a sum score threshold of ≥ 10 . Cardiovascular disease: History of either myocardial infarction, coronary artery disease, atrial fibrillation, chronic heart failure; chronic obstructive pulmonary disease: history of asthma bronchiale or bronchitis; continuous variables are described by mean values and standard deviation or for skewed distribution by median and inter-quartile range. Discrete variables are described by relative and absolute frequencies.