

Prevalence and 11-year incidence of common eye diseases and their relation to health-related quality of life, mental health, and visual impairment

Quality of Life Research

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Online Resource 1 Multivariable linear regression analysis examining the changes in EQ-5D and 15D index values, and GHQ-12 total scores between 2000 and 2011

	Change in EQ-5D (n = 1955)		Change in 15D (n = 2158)		Change in GHQ-12 (n = 2302)	
	B coefficients	Beta coefficients	B coefficients	Beta coefficients	B coefficients	Beta coefficients
Constant	0.456 ***		0.384 ***		1.659 ***	
Age at the baseline	-0.0003	-0.020	-0.0005 ***	-0.077 ***	-0.025 ***	-0.081 ***
Male gender	0.001	0.003	-0.004	-0.033	-0.103	-0.017
Incident glaucoma	0.020	0.015	0.001	0.002	0.102	0.004
Incident cataract, unoperated	-0.010	-0.012	-0.014 *	-0.046 *	0.258	0.016
Incident RD	-0.057	-0.037	-0.020	-0.036	0.452	0.016
Incident heart disease	-0.034 **	-0.063 **	-0.017 ***	-0.083 ***	0.586 ***	0.057 ***
Incident pulmonary disease	-0.035 *	-0.051 *	-0.020 ***	-0.078 ***	0.289	0.023
Incident vascular disease	-0.023	-0.032	-0.017 **	-0.062 **	0.528 *	0.038 *
Incident musculoskeletal condition	-0.051 ***	-0.141 ***	-0.009 ***	-0.068 ***	0.345 **	0.051 **
Incident hypertension	-0.035 ***	-0.083 ***	-0.008 *	-0.047 *	0.508 ***	0.063 ***
Incident diabetes	-0.029	-0.038	-0.021 ***	-0.072 ***	0.692 **	0.048 **
Incident psychiatric disorder	-0.091 ***	-0.121 ***	-0.040 ***	-0.139 ***	2.141 ***	0.149 ***
Incident cancer	0.024	0.030	-0.001	-0.004	-0.189	-0.012
QoL index value / total score at the baseline	-0.491 ***	-0.444 ***	-0.381 ***	-0.383 ***	-0.738 ***	-0.649 ***
R^2	0.222 ***	0.222 ***	0.176 ***	0.176 ***	0.430 ***	0.430 ***
Adjusted R^2	0.216 ***	0.216 ***	0.171 ***	0.171 ***	0.426 ***	0.426 ***

The unstandardized B coefficients show the magnitude of the impact on health-related quality of life and psychological distress, while the standardized Beta coefficients allow the comparison of the explanatory variables with each other. Clinically meaningful B coefficients are bolded (≥ 0.07 for EQ-5D and ≥ 0.015 for 15D). QoL quality of life, RD retinal degeneration

*Denotes statistical significance with $p < 0.05$

**Denotes statistical significance with $p < 0.01$

***Denotes statistical significance with $p < 0.0001$