

Supplementary Table SI. Sensitivity analysis of VI and frailty

Exposures	Outcomes	Heterogeneity test				Pleiotropy test		MR presso
		MR-Egger		IVW		MR-Egger intercept		Global I test
		Q	pval	Q	pval	Intercep t	P	P
Visual disturbances	Frailty index	12.8 2	7.48E -01	13.2 7	7.76E -01	1.58E-03	5.14E -01	5.49E- 01
Visual disturbances	Fried Frailty Score	11.8 1	7.57E -01	12.0 2	7.99E -01	-6.04E- 04	6.51E -01	8.04E- 01
Glaucoma	Frailty index	31.5 9	6.78E -01	32.5 6	6.77E -01	2.01E-03	3.33E -01	6.77E- 01
Glaucoma	Fried Frailty Score	41.4 3	4.52E -01	42.8 7	4.34E -01	1.32E-03	2.39E -01	4.22E- 01
Senile cataract	Frailty index	42.3 0	8.50E -02	43.0 1	9.25E -02	-1.54E- 03	4.74E -01	9.67E- 02
Senile cataract	Fried Frailty Score	14.5 4	9.83E -01	15.3 6	9.82E -01	-9.56E- 04	3.71E -01	9.83E- 01
Other cataract	Frailty index	9.97	6.19E -01	11.3 5	5.81E -01	-4.31E- 03	2.62E -01	5.67E- 01
Other cataract	Fried Frailty Score	6.36	8.97E -01	6.37	9.32E -01	-2.18E- 04	9.20E -01	9.08E- 01

Diabetic retinopathy	Frailty index	1.99	7.38E-01	6.15	2.92E-01	-5.60E-03	1.11E-01	3.65E-01
Diabetic retinopathy	Fried Frailty Score	1.04	9.03E-01	4.71	4.53E-01	-3.10E-03	1.28E-01	5.36E-01
Age-related macular degeneration	Frailty index	24.87	2.07E-01	26.25	1.97E-01	-1.88E-03	3.05E-01	1.94E-01
Age-related macular degeneration	Fried Frailty Score	14.82	6.08E-01	17.53	4.87E-01	-1.80E-03	1.18E-01	4.91E-01
Hypermetropia	Frailty index	3.96	6.83E-01	4.04	7.75E-01	-1.10E-03	7.83E-01	1.88E-01
Hypermetropia	Fried Frailty Score	6.54	3.65E-01	6.64	4.67E-01	-6.61E-04	7.74E-01	5.77E-01
Myopia	Frailty index	8.16	9.44E-01	8.35	9.59E-01	1.10E-03	6.73E-01	9.65E-01
Myopia	Fried Frailty Score	14.72	3.98E-01	14.90	4.59E-01	5.71E-04	6.86E-01	4.48E-01
Frailty index	Visual disturbances	5.30	9.16E-01	6.24	9.04E-01	3.03E-02	3.51E-01	9.18E-01
Fried Frailty Score	Visual disturbances	22.92	4.07E-01	23.43	4.36E-01	-1.05E-02	4.89E-01	4.41E-01
Frailty index	Glaucoma	13.86	7.18E-01	14.17	7.24E-01	-1.71E-02	6.66E-01	1.75E-01
Fried Frailty Score	Glaucoma	24.01	1.96E-01	26.82	1.40E-01	2.34E-02	1.52E-01	1.44E-01
Frailty index	Senile cataract	7.29	6.98E-01	7.31	7.74E-01	-3.23E-03	8.86E-01	7.80E-01

Fried Frailty Score	Senile cataract	7.97	9.79E-01	9.46	9.65E-01	-1.28E-02	2.38E-01	8.79E-01
Frailty index	Other cataract	6.01	8.73E-01	6.63	8.81E-01	-2.50E-02	4.46E-01	8.89E-01
Fried Frailty Score	Other cataract	19.37	4.98E-01	19.43	5.57E-01	-3.65E-03	8.09E-01	5.46E-01
Frailty index	Diabetic retinopathy	6.59	8.31E-01	6.77	8.73E-01	1.77E-02	6.83E-01	8.73E-01
Fried Frailty Score	Diabetic retinopathy	15.93	7.21E-01	16.04	7.68E-01	-6.46E-03	7.48E-01	7.81E-01
Frailty index	Age-related macular degeneration	4.15	9.01E-01	4.39	9.28E-01	2.27E-02	6.37E-01	6.30E-01
Fried Frailty Score	Age-related macular degeneration	18.70	6.64E-01	19.95	6.45E-03	-2.26E-02	2.76E-01	6.47E-01
Frailty index	Hypermetropia	12.44	3.32E-01	13.34	3.45E-01	-3.70E-02	3.91E-01	3.77E-01
Fried Frailty Score	Hypermetropia	23.34	3.83E-01	23.34	4.41E-01	-1.23E-03	9.77E-01	4.51E-01
Frailty index	Myopia	6.71	8.60E-01	7.15	8.94E-01	1.13E-02	6.82E-01	9.11E-01
Fried Frailty Score	Myopia	13.09	8.34E-01	15.09	7.72E-01	-4.30E-02	1.74E-01	7.74E-01