

Table S1. Association between all-cause mortality and VI: stratified by age and comorbidities

Model 1	HR	95% CI
Incident VI	1.42	(1.28, 1.58)
Baseline VI	1.29	(1.17, 1.44)
Incident VI: no co-morbidity	1.38	(1.11, 1.73)
Baseline VI: no co-morbidity	1.18	(0.94, 1.48)
Incident VI: one or more co-morbidities	1.40	(1.25, 1.58)
Baseline VI: one or more co-morbidities	1.30	(1.16, 1.47)
Incident VI: < 65 years old	1.54	(1.27, 1.86)
Baseline VI: < 65 years old	1.37	(1.13, 1.66)
Incident VI: ≥ 65 years old	1.58	(1.40, 1.79)
Baseline VI: ≥ 65 years old	1.26	(1.11, 1.43)
Model 2	HR	95% CI
Incident VI	1.36	(1.21, 1.51)
Baseline VI	1.22	(1.08, 1.37)
Incident VI: no co-morbidity	1.36	(1.08, 1.72)
Baseline VI: no co-morbidity	1.24	(0.96, 1.59)
Incident VI: one or more co-morbidities	1.33	(1.18, 1.51)
Baseline VI: one or more co-morbidities	1.19	(1.04, 1.36)
Incident VI: < 65 years old	1.43	(1.17, 1.74)
Baseline VI: < 65 years old	1.33	(1.08, 1.63)
Incident VI: ≥ 65 years old	1.50	(1.32, 1.71)
Baseline VI: ≥ 65 years old	1.16	(1.01, 1.34)
Model 3	HR	95% CI
Incident VI	1.09	(0.96, 1.24)
Baseline VI	1.08	(0.95, 1.23)
Incident VI: no co-morbidity	1.09	(0.84, 1.43)
Baseline VI: no co-morbidity	1.19	(0.90, 1.56)
Incident VI: one or more co-morbidities	1.08	(0.94, 1.25)
Baseline VI: one or more co-morbidities	1.05	(0.80, 1.22)
Incident VI: < 65 years old	1.12	(0.90, 1.39)
Baseline VI: < 65 years old	1.19	(0.96, 1.49)
Incident VI: ≥ 65 years old	1.16	(0.99, 1.36)
Baseline VI: ≥ 65 years old	1.02	(0.86, 1.19)
Model 4	HR	95% CI
Incident VI	1.34	(1.20, 1.49)
Baseline VI	1.22	(1.08, 1.37)
Incident VI: no co-morbidity	1.48	(1.30, 1.69)
Baseline VI: no co-morbidity	1.24	(0.97, 1.60)
Incident VI: one or more co-morbidities	1.32	(1.17, 1.50)
Baseline VI: one or more co-morbidities	1.19	(1.04, 1.36)
Incident VI: < 65 years old	1.39	(1.14, 1.70)
Baseline VI: < 65 years old	1.33	(1.08, 1.63)

Incident VI: ≥ 65 years old	1.48	(1.30, 1.69)
Baseline VI: ≥ 65 years old	1.16	(1.01, 1.34)
Model 5	HR	95% CI
Incident VI	1.34	(1.20, 1.50)
Baseline VI	1.22	(1.08, 1.37)
Incident VI: no co-morbidity	1.32	(1.04, 1.67)
Baseline VI: no co-morbidity	1.22	(0.95, 1.58)
Incident VI: one or more co-morbidities	1.33	(1.17, 1.50)
Baseline VI: one or more co-morbidities	1.19	(1.04, 1.36)
Incident VI: < 65 years old	1.41	(1.16, 1.72)
Baseline VI: < 65 years old	1.32	(1.07, 1.62)
Incident VI: ≥ 65 years old	1.48	(1.30, 1.69)
Baseline VI: ≥ 65 years old	1.16	(1.01, 1.34)
Model 6	HR	95% CI
Incident VI	1.26	(1.12, 1.41)
Baseline VI	1.14	(1.01, 1.29)
Incident VI: no co-morbidity	1.19	(0.93, 1.52)
Baseline VI: no co-morbidity	1.12	(0.86, 1.46)
Incident VI: one or more co-morbidities	1.27	(1.12, 1.45)
Baseline VI: one or more co-morbidities	1.14	(0.99, 1.31)
Incident VI: < 65 years old	1.35	(1.10, 1.65)
Baseline VI: < 65 years old	1.25	(1.00, 1.55)
Incident VI: ≥ 65 years old	1.39	(1.21, 1.59)
Baseline VI: ≥ 65 years old	1.09	(0.94, 1.26)