

Supplemental Material.

Supplemental table S1. Primary, secondary and tertiary causes of death reported.

	Primary causes of death n=105	Secondary causes of death n=87	Tertiary causes of death n=60
Cancer	48 (45.7%)	31 (35.6%)	6 (10.0%)
Cardiovascular disorders	17 (16.2%)	24 (27.6%)	15 (25.0%)
Infectious diseases	12 (11.4%)	5 (5.7%)	5 (8.3%)
Neurological disorders	11 (10.5%)	6 (6.9%)	6 (10.0%)
Respiratory tract disorders	9 (8.6%)	18 (20.7%)	15 (25.0%)
Others	8 (7.6%)	3 (3.4%)	13 (21.7%)

Supplemental table S2. Mortality and physical conditions by physical and mental multimorbidity, N=1570

	≤1 physical condition or ≤1 mental disorder (n=81)			≥2 physical conditions without a mental disorder (n= 946)			≥2 physical conditions with a mental disorder (n= 543)		
	Death No	Death Yes	p-value ^a	Death No	Death Yes	p-value ^b	Death No	Death Yes	p-value ^b
	n=79	n=2		n=884	n=62		n=502	n=41	
Number of physical conditions (Mean ± SD)	0.7 ± 0.4	0.5 ± 0.7	0.44	5.1 ± 2.1	6.4 ± 2.4	<0.001	6.1 ± 2.3	6.6 ± 2.4	0.15
Arthropathy	2 (2%)	0	1.00	444 (50%)	37 (60%)	0.15	301 (60%)	24 (58%)	0.86
Cancer	5 (6%)	0	1.00	234 (26%)	27 (43%)	0.004	130 (26%)	23 (56%)	<0.001
Cardiovascular disease	2 (2%)	0	1.00	310 (35%)	38 (61%)	<0.001	227 (45%)	27 (66%)	0.01
Dermatologic conditions	5 (6%)	0	1.00	269 (30%)	17 (27%)	0.62	205 (41%)	16 (39%)	0.82
Diabetes	4 (5%)	1 (50%)	0.12	263 (30%)	28 (45%)	0.01	117 (23%)	19 (46%)	0.001
Eye disease	8 (10%)	0	1.00	377 (43%)	34 (55%)	0.06	233 (46%)	13 (32%)	0.07

Gastrointestinal diseases	5 (6%)	0	1.00	196 (22%)	20 (32%)	0.07	175 (35%)	13 (32%)	0.68
Genitourinary disease	3 (4%)	0	1.00	255 (29%)	26 (42%)	0.03	170 (34%)	17 (41%)	0.32
Headaches	0	0	-	67 (8%)	7 (11%)	0.29	92 (18%)	8 (19%)	0.85
Hyperlipidemia	3 (4%)	0	1.00	409 (46%)	24 (39%)	0.25	253 (50%)	18 (44%)	0.42
Hypertension	13 (16%)	0	1.00	623 (70%)	47 (76%)	0.37	363 (72%)	31 (76%)	0.65
Liver disease	0	0	-	30 (3%)	4 (6%)	0.21	21 (4%)	6 (15%)	0.003
Musculoskeletal conditions	4 (5%)	0	1.00	388 (44%)	35 (56%)	0.05	320 (64%)	23 (56%)	0.33
Respiratory tract disease	1 (1%)	0	1.00	194 (22%)	20 (32%)	0.06	159 (32%)	18 (44%)	0.11
Thyroid problem	2 (2%)	0	1.00	208 (23%)	19 (29%)	0.33	162 (32%)	11 (27%)	0.47

p-value^a: from Fisher's exact test

p-value^b: from Chi-square statistic