

Appendix Table 1. Weighted prevalence of multimorbidity by sex, urbanity and age group

Panel A. Male	45-54 years old		55-64 years old		65-74 years old		75 years and above old	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
No illness	42.6%	35.3%	29.0%	17.8%	17.5%	12.3%	10.8%	14.4%
Single illness	24.6%	26.7%	25.4%	25.4%	22.8%	20.2%	16.4%	21.1%
Multimorbidity								
Two illnesses	12.9%	17.1%	17.6%	22.6%	18.3%	20.8%	19.9%	21.7%
Three illnesses	11.4%	11.7%	12.4%	15.0%	14.6%	17.5%	26.3%	15.8%
Four illnesses	4.4%	5.2%	8.8%	8.9%	11.2%	11.3%	10.2%	11.2%
Five or more illnesses	4.1%	3.9%	6.8%	10.3%	15.6%	18.0%	16.4%	15.8%
Panel B. Female	45-54 years old		55-64 years old		65-74 years old		75 years and above old	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
No illness	36.9%	25.2%	17.3%	13.5%	16.7%	8.8%	16.6%	12.0%
Single illness	26.9%	27.0%	23.0%	19.0%	17.7%	15.9%	15.1%	18.4%
Multimorbidity								
Two illnesses	17.2%	19.4%	20.5%	21.7%	15.7%	21.3%	23.0%	23.4%
Three illnesses	8.9%	12.6%	16.7%	18.4%	17.1%	18.9%	18.0%	17.1%
Four illnesses	5.0%	7.6%	10.2%	12.2%	11.4%	14.0%	10.7%	13.5%
Five or more illnesses	5.1%	8.3%	12.3%	15.2%	21.4%	21.1%	16.6%	15.7%

Note: Individual weight with household and individual non-response adjustment was used to calculate the weighted prevalence.

Appendix Table 2. Odds ratios (OR) for multimorbidity by age, sex, marital status, education, former smoking and alcohol consumption, health insurance status and urbanity

	Ordered Logistic Model	
	Odds Ratio	95% CI
Age (year)		
45-54	Reference	
55-64	1.545	[1.439,1.659]
65-74	2.238	[2.064,2.426]
≥75	1.885	[1.690,2.103]
Sex	Reference	
Male	1.672	[1.527,1.830]
Female		
Educational level	Reference	
Illiterate	1.177	[1.082,1.281]
Part of primary school	1.109	[1.019,1.206]
Primary school	0.964	[0.882,1.054]
Junior middle school	0.940	[0.844,1.047]
Senior middle school or above		
Marital status	Reference	
Not in marriage	0.850	[0.782,0.924]
Married		
Smoking	Reference	
Current	1.502	[1.379,1.636]
Former	0.940	[0.859,1.029]
Never		
Alcohol consumption	Reference	
Current	1.828	[1.665,2.008]
Former	1.102	[1.028,1.181]
Never		
Health insurance status		
Covered	Reference	
Not covered	0.854	[0.776,0.941]
Urbanity		
Urban	Reference	
Rural	1.064	[1.003,1.128]
N		16905

Note: Ordered logistic model was applied for five categories outcome which refers to absence or single illness, two illnesses, three illnesses, four illnesses, five illnesses or more.