

Supplementary tables

Table S1. Sample distribution of the CLHLS survey

	2002		2005		2011		2014		2018	
	N	%	N	%	N	%	N	%	N	%
Overall	15713		16092		9381		6860		15520	
Gender										
Male	7377	47.1	7711	47.9	4512	48.1	3282	47.8	7406	47.7
Female	8276	52.9	8382	52.1	4869	51.9	3579	52.2	8113	52.3
Age										
65-74	10742	68.6	10885	67.6	5843	62.3	3847	56.1	10001	64.4
75-84	4270	27.3	4499	28.0	2936	31.3	2401	35.0	4327	27.9
85+	639	4.1	708	4.4	601	6.4	612	8.9	1192	7.7
Residence										
Urban	5479	35.0	6883	42.8	4122	43.9	2919	42.5	7838	50.5
Rural	10175	65.0	9210	57.2	5259	56.1	3942	57.5	7682	49.5
Region										
Eastern	7352	47.0	7514	46.7	4744	50.6	2606	59.6	7717	49.7
Central	3997	25.5	4063	25.2	2844	30.3	813	18.6	4075	26.3
Western	4304	27.5	4516	28.1	1793	19.1	950	21.7	3728	24.0
Occupation										
Professional and technical	951	6.1	1098	6.8	422	5.2	263	4.3	1038	7.7
Governmental and organizational.	813	5.2	895	5.6	289	3.6	200	3.2	527	3.9
Commercial/industry	2767	17.7	3025	18.8	1111	13.7	764	12.4	2142	15.8
Agricultural worker or farmers	9182	58.8	9410	58.6	5643	69.5	4384	70.9	8307	61.3
Self-employed	278	1.8	283	1.8	117	1.4	73	1.2	279	2.1
House-worker	1093	7.0	888	5.5	347	4.3	357	5.8	755	5.6
Military personnel	90	0.6	91	0.6	56	0.7	27	0.4	99	0.7
Never worked	241	1.5	65	0.4	28	0.3	18	0.3	156	1.2
Others	196	1.3	298	1.9	103	1.3	99	1.6	251	1.9
Income²										
Low income	3001	22.5	2808	20.3	1849	23.3	1338	23.7	3065	24.0
Middle-low income	3230	24.2	3411	24.6	2098	26.4	1560	27.6	2694	21.1
Middle-high income	3507	26.3	3709	26.8	1942	24.5	1291	22.8	3905	30.6
High income	3586	26.9	3923	28.3	2048	25.8	1467	25.9	3100	24.3

TableS2. Prevalence of hypertension in the elderly in the CLHLS Survey in China

	2002				2005				2011				2014				2018			
	N	Cases	%	Sig	N	Cases	%	Sig	N	Cases	%	Sig	N	Cases	%	Sig	N	Cases	%	Sig
Overall	15713	6361	40.5		16092	7372	45.8		9381	4355	46.4		6860	3431	50.0		15520	8023	51.7	
Gender												**				**				**
Male	7377	2823	38.3		7711	3543	46.0		4512	2011	44.6		3282	1514	46.1		7406	3636	49.1	
Female	8276	3479	42.0		8382	3829	45.7		4869	2344	48.1		3579	1917	53.6		8113	4386	54.1	
Age				*				**				**				**				**
65-74	10742	4226	39.3		10885	4982	45.8		5843	2695	46.1		3847	1956	50.9		10001	5073	50.7	
75-84	4270	1801	42.2		4499	2093	46.5		2936	1393	47.5		2401	1197	49.8		4327	2336	54.0	
85+	639	275	43.0		708	298	42.1		601	267	44.4		612	278	45.4		1192	614	51.5	
Residence				**				**												**
Urban	5479	2541	46.4		6883	3658	53.1		4122	2016	48.9		2919	1488	51		7838	4285	54.7	
Rural	10175	3761	37.0		9210	3715	40.3		5259	2339	44.5		3942	1943	49.3		7682	3738	48.7	
Region¹				**				**				**				**				**
Eastern	7352	3258	44.3		7514	3872	51.5		4744	2206	46.5		2606	1405	53.9		7717	4321	56.0	
Central	3997	1601	40.1		4063	1947	47.9		2844	1460	51.3		813	448	55.1		4075	1973	48.4	
Western	4304	1443	33.5		4516	1554	34.4		1793	689	38.4		950	446	46.9		3728	1728	46.4	
Occupation				**				**				**				**				**
Professional and technical	951	455	47.9		1098	616	56.1		422	231	54.8		263	181	68.7		1038	591	57.0	
Governmental and organizational.	813	412	50.7		895	513	57.3		289	186	64.5		200	123	61.3		527	289	54.8	
Commercial/industry	2767	1299	46.9		3025	1723	57		1111	542	48.8		764	438	57.4		2142	1321	61.7	
Agricultural worker or farmers	9182	3252	35.4		9410	3711	39.4		5643	2417	42.8		4384	2030	46.3		8307	4093	49.3	
Self-employed	278	130	46.6		283	143	50.7		117	54	46.3		73	47	64.4		279	162	58.1	
House-worker	1093	502	45.9		888	419	47.3		347	181	52.1		357	190	53.2		755	359	47.6	
Military personnel	90	39	43.9		91	43	47.1		56	33	59.8		27	9	34.2		99	50	50.1	
Never worked	241	110	45.5		65	27	42.0		28	11	39.1		18	11	58.8		156	82	52.2	
Others	196	75	38.4		298	148	49.7		103	51	49.6		99	62	62		251	123	48.9	
Income²				**				**				**				**				**
Low income	3001	1013	33.8		2808	1104	39.3		1849	845	45.7		1338	630	47.1		3065	1405	45.8	
Middle-low income	3230	1192	36.9		3411	1402	41.1		2098	917	43.7		1560	722	46.3		2694	1336	49.6	
Middle-high income	3507	1378	39.3		3709	1808	48.8		1942	874	45		1291	617	47.8		3905	1987	50.9	
High income	3586	1707	47.6		3923	2089	53.2		2048	1057	51.6		1467	779	53.1		3100	1850	59.7	

a) Eastern China includes Beijing, Tianjin, Hebei, Liaoning, Shanghai, Jiangsu, Zhejiang, Fujian, Shandong, Guangdong, and Hainan. Central China includes Heilongjiang, Jilin, Shanxi, Anhui, Jiangxi, Henan, Hubei, and Hunan. Western China includes Guangxi, Chongqing, Sichuan, and Shaanxi.

b) Income was divided the elderly into low, low-middle, middle-high and high-income, based on 25%, 50%, and 75% quantiles of their household per capita incomes.

***P < 0.001, **P < 0.01, *P < 0.05

Table S3. Sample distribution in the CHARLS survey in China

	2011		2013		2015	
	N	%	N	%	N	%
Overall	13728		13139		16440	
Gender						
Male	6749	49.2	6451	49.1	8043	48.9
Female	6969	50.8	6686	50.9	8393	51.1
Age						
45-54	4776	35.5	4154	32.2	5110	33.3
55-64	5161	38.4	4941	38.3	5267	34.3
65-74	2514	18.7	2723	21.1	3452	22.5
75-84	893	6.6	971	7.5	1320	8.6
85+	100	0.7	111	0.9	190	1.2
Residence						
Urban	5300	38.6	4965	38.2	6326	38.9
Rural	8428	61.4	8019	61.8	9927	61.1
Region						
Eastern	4830	35.2	5348	40.7	5615	42.8
Central	4628	33.7	4249	32.3	4358	33.2
Western	4270	31.1	3542	27.0	3156	24.0
Occupation						
Agricultural worker	7797	57.0	7236	55.2	8156	49.8
Never worked	273	2.0	183	1.4	220	1.3
Retired	3921	28.7	3939	30.0	5382	32.8
Self-employed worker	618	4.5	767	5.9	1006	6.1
Government/Institution worker	280	2.0	262	2.0	342	2.1
Company employee	350	2.6	281	2.1	429	2.6
A farmer or an individual firm	382	2.8	385	2.9	789	4.8
Others	56	0.4	58	0.4	62	0.4
Income						
Low income	3430	26.2	3014	24.2	3099	24.9
Middle-low income	3331	25.4	3116	25.0	3260	26.2
Middle-high income	3268	24.9	3219	25.9	3245	26.1
High income	3085	23.5	3099	24.9	2852	22.9