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Supplemental Table 1. Comparison of baseline characteristics of study participants included and not included in the study.

	Participants included	Participants excluded	P value
N	1266	340	
Age (years, mean±SD)	69.8 (8.8)	75.7 (10.5)	< 0.001
Men (N,%)	1048 (82.8)	178 (52.4)	< 0.001
Current smoking (N, %)	488 (38.6)	51 (15.0)	< 0.001
Current drinking (N, %)	134 (10.6)	22 (6.5)	0.02
Systolic BP, (mmHg, mean±SD)	138.6 (21.4)	134.6 (20.9)	0.002
Diastolic BP, (mmHg, mean±SD)	81.4 (11.6)	78.2 (11.8)	< 0.001
Hypertension (N, %)	815 (64.4)	195 (57.4)	0.004
Antihypertensive medication (N, %) ^a	477 (58.5)	116 (59.5)	0.63

a: The proportion were calculated with the number of participants with hypertension as the denominator.

Supplemental Table 2. Mean serum potassium and standard deviation (mEq/L) by sex, age, and region (n=1266).

Age group (years)	Changzhi		Yangcheng		Xi'an		Hohhot		Total	
	N	Mean (SD)	N	Mean (SD)	N	Mean (SD)	N	Mean (SD)	N	Mean (SD)
All	472	4.5 (0.5)	285	4.3 (0.6)	299	4.4 (0.5)	210	4.4 (0.5)	1266	4.4 (0.5)
55-59	44	4.3 (0.5)	33	4.2 (0.5)	26	4.5 (0.4)	11	4.3 (0.3)	114	4.3 (0.5)
60-69	252	4.5 (0.5)	182	4.3 (0.5)	86	4.5 (0.5)	68	4.4 (0.5)	588	4.4 (0.5)
70-79	141	4.5 (0.5)	59	4.6 (0.7)	86	4.3 (0.4)	65	4.4 (0.5)	351	4.5 (0.5)
≥ 80	35	4.5 (0.4)	11	4.1 (0.6)	101	4.4 (0.5)	66	4.5 (0.5)	213	4.4 (0.5)
Men	448	4.5 (0.5)	273	4.4 (0.6)	154	4.5 (0.5)	173	4.4 (0.5)	1048	4.5 (0.5)
55-59	38	4.4 (0.5)	31	4.2 (0.5)	12	4.4 (0.5)	9	4.3 (0.3)	90	4.3 (0.5)
60-69	246	4.5 (0.5)	178	4.3 (0.5)	56	4.6 (0.6)	63	4.4 (0.5)	543	4.4 (0.5)
70-79	135	4.5 (0.5)	57	4.6 (0.7)	45	4.4 (0.4)	52	4.5 (0.5)	289	4.5 (0.5)
≥ 80	29	4.5 (0.4)	7	4.3 (0.6)	41	4.4 (0.5)	49	4.5 (0.5)	126	4.5 (0.5)
Women	24	4.5 (0.4)	12	4.0 (0.5)	145	4.4 (0.5)	37	4.4 (0.4)	218	4.4 (0.5)
55-59	6	4.1 (0.3)	2	3.9 (0.1)	14	4.6 (0.3)	2	4.4 (0.0)	24	4.4 (0.4)
60-69	6	4.6 (0.5)	4	4.1 (0.6)	30	4.4 (0.4)	5	4.5 (0.3)	45	4.4 (0.4)
70-79	6	4.6 (0.4)	2	4.1 (0.0)	41	4.3 (0.4)	13	4.3 (0.4)	62	4.3 (0.4)
≥ 80	6	4.5 (0.4)	4	3.8 (0.6)	60	4.4 (0.5)	17	4.4 (0.5)	87	4.4 (0.5)

Supplemental Table 3. Prevalence for hyperkalemia (serum potassium > 5.5 mEq/L) by sex, age, and region (n=1266).

	Age group (years)	Changzhi		Yangcheng		Xi'an		Hohhot		Total	
		N	%	N	%	N	%	N	%	N	%
All		472	3.0	285	3.2	299	1.3	210	3.3	1266	2.7
	55-59	44	6.8	33	--	26	--	11	--	114	2.6
	60-69	252	1.6	182	1.7	86	2.3	68	2.9	588	1.9
	70-79	141	4.3	59	10.2	86	--	65	3.1	351	4.0
	≥ 80	35	2.9	11	--	101	2.0	66	4.6	213	2.8
Men		448	3.1	273	3.3	154	1.3	173	3.5	1048	3.0
	55-59	38	7.9	31	--	12	--	9	--	90	3.3
	60-69	246	1.6	178	1.7	56	1.8	63	3.2	543	1.8
	70-79	135	4.4	57	10.5	45	--	52	3.9	289	4.8
	≥ 80	29	3.5	7	--	41	2.4	49	4.1	126	3.2
Women		24	--	12	--	145	1.4	37	2.7	218	1.4
	55-59	6	--	2	--	14	--	2	--	24	--
	60-69	6	--	4	--	30	3.3	5	--	45	2.2
	70-79	6	--	2	--	41	--	13	--	62	--
	≥ 80	6	--	4	--	60	1.7	17	5.9	87	2.3

--: No cases of hyperkalemia was identified.

Supplemental Table 4. Prevalence for hypokalemia (serum potassium < 3.5 mEq/L) by sex, age, and region (n=1266).

	Age group (years)	Changzhi		Yangcheng		Xi'an		Hohhot		Total	
		N	%	N	%	N	%	N	%	N	%
All		472	0.6	285	4.2	299	2.0	210	1.0	1266	1.8
	55-59	44	--	33	3.0	26	--	11	--	114	0.9
	60-69	252	0.4	182	5.0	86	1.2	68	1.5	588	2.0
	70-79	141	1.4	59	1.7	86	1.2	65	--	351	1.1
	≥ 80	35	--	11	9.1	101	4.0	66	1.5	213	2.8
Men		448	0.7	273	3.7	154	2.6	173	1.2	1048	1.8
	55-59	38	--	31	3.2	12	--	9	--	90	1.1
	60-69	246	0.4	178	4.5	56	1.8	63	1.6	543	2.0
	70-79	135	1.5	57	1.8	45	2.2	52	--	289	1.4
	≥ 80	29	--	7	--	41	4.9	49	2.0	126	2.4
Women		24	--	12	16.7	145	1.4	37	--	218	1.8
	55-59	6	--	2	--	14	--	2	--	24	--
	60-69	6	--	4	25.0	30	--	5	--	45	2.2
	70-79	6	--	2	--	41	--	13	--	62	--
	≥ 80	6	--	4	25.0	60	3.3	17	--	87	3.5

--: No cases of hypokalemia was identified.

Supplemental Table 5. Prevalence for hyperkalemia (serum potassium > 5.3 mEq/L) by sex, age, and region (n=1266).

	Age group (years)	Changzhi		Yangcheng		Xi'an		Hohhot		Total	
		N	%	N	%	N	%	N	%	N	%
All		472	5.3	285	4.6	299	2.7	210	4.3	1266	4.3
	55-59	44	6.8	33	3.0	26	--	11	--	114	3.5
	60-69	252	5.6	182	2.2	86	5.8	68	2.9	588	4.3
	70-79	141	4.3	59	13.6	86	1.2	65	4.6	351	5.1
	≥ 80	35	5.7	11	--	101	2.0	66	6.1	213	3.8
Men		448	5.4	273	4.8	154	3.3	173	4.6	1048	4.8
	55-59	38	7.9	31	3.2	12	--	9	--	90	4.4
	60-69	246	5.3	178	2.3	56	7.1	63	3.2	543	4.2
	70-79	135	4.4	57	14.0	45	--	52	5.8	289	5.9
	≥ 80	29	6.9	7	--	41	2.4	49	6.1	126	4.8
Women		24	4.2	12	--	145	2.1	37	2.7	218	2.3
	55-59	6	--	2	--	14	--	2	--	24	--
	60-69	6	16.7	4	--	30	3.3	5	--	45	4.4
	70-79	6	--	2	--	41	2.4	13	--	62	1.6
	≥ 80	6	--	4	--	60	1.7	17	5.9	87	2.3

--: No cases of hyperkalemia was identified.

Supplemental Table 6. Prevalence for hypokalemia (serum potassium < 3.7 mEq/L) by sex, age, and region (n=1266).

	Age group (years)	Changzhi		Yangcheng		Xi'an		Hohhot		Total	
		N	%	N	%	N	%	N	%	N	%
All		472	0.9	285	10.2	299	3.7	210	2.9	1266	4.0
	55-59	44	--	33	9.1	26	--	11	--	114	2.6
	60-69	252	0.8	182	11.0	86	2.3	68	4.4	588	4.6
	70-79	141	1.4	59	3.4	86	3.5	65	3.1	351	2.6
	≥ 80	35	--	11	36.4	101	5.9	66	1.5	213	5.2
Men		448	0.9	273	9.5	154	3.9	173	2.9	1048	3.9
	55-59	38	--	31	9.7	12	--	9	--	90	3.3
	60-69	246	0.8	178	10.7	56	3.6	63	4.8	543	4.8
	70-79	135	1.5	57	3.5	45	2.2	52	1.9	289	2.1
	≥ 80	29	--	7	28.6	41	7.3	49	2.0	126	4.8
Women		24	--	12	25.0	145	3.5	37	2.7	218	4.1
	55-59	6	--	2	--	14	--	2	--	24	--
	60-69	6	--	4	25.0	30	--	5	--	45	2.2
	70-79	6	--	2	--	41	4.9	13	7.7	62	4.8
	≥ 80	6	--	4	50.0	60	5.0	17	--	87	5.8

--: No cases of hypokalemia was identified.