

Online Resource

Title

Population health status in China: EQ-5D results, by age, sex and socio-economic status, from the National Health Services Survey 2008

Journal

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Table 5 Percentage of respondents reporting moderate or severe problems in each EQ-5D dimension [χ^2 tests were performed between unemployed and employed respondents. All results were statistically significant ($P<0.05$)], VAS score (mean), by employment status, age group and sex, China 2008

EQ-5D Dimension	Employment status					
	15-44 years		45-64 years		65+	
	Unemployed	Employed	Unemployed	Employed	Unemployed	Employed
<i>Men (n)</i>	1,831	22,595	2,289	17,787	2,186	3,037
<i>Women (n)</i>	3,911	23,965	3,724	15,448	3,686	2,323
	%	%	%	%	%	%
Mobility						
Men	4.2	1.1	10.4	3.7	25.7	13.9
Women	2.2	1.2	9.4	4.9	25.6	17.0
Self-care						
Men	3.0	0.6	6.9	2.0	18.3	9.4
Women	1.6	0.7	6.3	2.7	19.0	11.9
Usual activities						
Men	4.6	1.0	10.3	3.3	26.1	13.3
Women	2.5	1.2	8.6	4.6	25.6	16.5
Pain/discomfort						
Men	5.3	2.5	15.3	8.7	29.5	20.8
Women	4.6	3.7	17.3	13.0	32.5	25.4
Anxiety/depression						
Men	6.2	2.7	12.2	5.8	20.8	13.4
Women	4.6	3.5	11.8	8.4	20.9	16.3
VAS score (mean)						
Men	83.4	85.9	74.0	79.5	66.4	71.3
Women	83.2	84.5	74.1	77.2	66.2	69.0

Table 6 Percentage of respondents reporting moderate and severe problems in each EQ-5D dimension [χ^2 tests were performed between respondents who answered ‘yes’ and ‘no’. All results were statistically significant ($P<0.05$)], VAS score (mean), by clinical characteristics, age group and sex, China 2008

EQ-5D Dimension	Clinical characteristics																	
	Discomfort during the past 2 weeks						Diagnosed with chronic disease during the past 6 months						Hospitalised during the past 12 months					
	15-44 years		45-64 years		65+		15-44 years		45-64 years		65+		15-44 years		45-64 years		65+	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Men (n)	2,368	24,831	5,026	17,293	3,287	5,231	1,649	25,609	5,354	17,010	3,837	4,703	762	26,496	1,293	21,072	955	7,585
Women (n)	3,485	27,141	6,540	16,479	3,845	4,936	2,361	28,339	6,729	16,314	4,345	4,451	2,312	28,388	1,387	21,656	916	7,881
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Mobility																		
Men	7.8	0.7	13.3	2.1	27.1	10.7	9.3	0.8	13.0	2.0	26.1	9.6	11.9	1.0	18.5	3.8	34.4	14.8
Women	6.1	0.6	13.5	2.3	29.1	12.7	7.9	0.7	13.3	2.2	27.8	12.2	4.1	1.0	16.6	4.7	34.4	18.2
Self-care																		
Men	4.9	0.3	8.1	1.2	17.9	7.2	5.5	0.4	8.3	1.0	17.6	6.2	8.1	0.5	12.8	2.1	23.9	9.7
Women	3.8	0.4	8.0	1.2	20.0	8.8	5.1	0.4	8.1	1.1	18.6	8.9	2.6	0.6	11.7	2.6	23.6	12.6
Usual activities																		
Men	8.1	0.5	12.7	1.7	25.7	10.1	9.8	0.6	12.4	1.6	24.8	9.0	11.6	0.9	19.0	3.3	31.7	14.1
Women	7.0	0.5	12.7	1.9	27.7	12.1	9.2	0.6	12.5	1.9	25.9	12.1	4.4	1.0	17.5	4.2	32.6	17.3
Pain/discomfort																		
Men	19.9	0.9	29.2	3.8	37.9	11.1	22.1	1.3	25.9	4.3	34.1	11.0	16.5	2.1	28.4	8.4	36.4	19.5
Women	22.0	1.2	33.4	5.2	42.3	14.9	25.7	1.8	30.6	6.0	39.1	15.1	7.9	3.3	29.8	12.1	42.1	25.2
Anxiety/depression																		
Men	11.8	1.8	16.4	3.6	22.2	7.6	14.9	1.9	15.7	3.6	20.6	7.2	14.3	2.4	19.7	5.7	23.1	12.0
Women	13.6	2.2	19.0	4.3	24.4	9.6	18.0	2.2	18.5	4.4	22.8	9.5	6.4	3.2	22.0	7.6	25.9	15.0
VAS score (mean)																		
Men	77.6	86.9	70.6	80.9	65.2	73.2	74.2	86.9	70.4	81.2	65.4	74.0	77.0	86.4	68.7	79.2	62.6	71.1
Women	75.6	86.0	69.4	79.3	64.2	71.4	72.2	85.8	69.0	79.6	64.5	71.9	82.5	85.0	67.9	77.0	62.5	68.9

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Table 7 Multiple regression analyses on VAS score, on sex, age group, educational level, income group and employment status, China 2008

	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6	
	β -estimate	p-value	β -estimate	p-value	β -estimate	p-value	β -estimate	p-value	β -estimate	p-value	β -estimate	p-value
Intercept	90.544	<0.001	86.576	<0.001	88.333	<0.001	85.826	<0.001	90.281	<0.001	85.295	<0.001
Sex^a	-1.678	<0.001	-1.175	<0.001	-1.703	<0.001	-1.357	<0.001	-1.474	<0.001	-1.045	<0.001
Age group^b												
20-24	-1.161	<0.001	-1.099	<0.001	-1.335	<0.001	-1.240	<0.001	-0.717	0.005	-0.968	<0.001
25-29	-2.403	<0.001	-2.221	<0.001	-2.711	<0.001	-2.538	<0.001	-1.946	<0.001	-2.296	<0.001
30-34	-4.288	<0.001	-3.867	<0.001	-4.440	<0.001	-4.191	<0.001	-3.824	<0.001	-3.899	<0.001
35-39	-5.714	<0.001	-5.118	<0.001	-5.887	<0.001	-5.555	<0.001	-5.272	<0.001	-5.265	<0.001
40-44	-7.237	<0.001	-6.569	<0.001	-7.489	<0.001	-7.109	<0.001	-6.773	<0.001	-6.784	<0.001
45-49	-9.398	<0.001	-8.691	<0.001	-9.756	<0.001	-9.278	<0.001	-8.891	<0.001	-8.867	<0.001
50-54	-11.420	<0.001	-10.293	<0.001	-11.714	<0.001	-10.984	<0.001	-10.937	<0.001	-10.294	<0.001
55-59	-13.419	<0.001	-11.968	<0.001	-13.608	<0.001	-12.709	<0.001	-12.956	<0.001	-11.803	<0.001
60-64	-15.743	<0.001	-14.211	<0.001	-15.830	<0.001	-14.863	<0.001	-15.187	<0.001	-13.604	<0.001
65-69	-18.347	<0.001	-16.614	<0.001	-18.442	<0.001	-17.290	<0.001	-17.622	<0.001	-15.654	<0.001
70-74	-20.429	<0.001	-18.384	<0.001	-20.619	<0.001	-19.218	<0.001	-19.419	<0.001	-17.134	<0.001
75-79	-22.046	<0.001	-19.778	<0.001	-22.263	<0.001	-20.687	<0.001	-20.927	<0.001	-18.391	<0.001
80-84	-23.827	<0.001	-21.410	<0.001	-24.064	<0.001	-22.380	<0.001	-22.486	<0.001	-19.885	<0.001
85+	-24.543	<0.001	-21.895	<0.001	-24.623	<0.001	-22.810	<0.001	-22.911	<0.001	-20.209	<0.001
Socio-economic status												
Level of education^c												
Primary school	-	-	2.097	<0.001	-	-	1.735	<0.001	-	-	1.857	<0.001
Junior middle school	-	-	3.810	<0.001	-	-	2.905	<0.001	-	-	3.268	<0.001
Senior middle school	-	-	3.908	<0.001	-	-	2.411	<0.001	-	-	2.935	<0.001
College and above	-	-	4.277	<0.001	-	-	2.127	<0.001	-	-	2.397	<0.001
Level of education missing	-	-	3.299	0.010	-	-	2.655	0.038	-	-	4.058	0.002
Income^d												
Second group	-	-	-	-	1.978	<0.001	1.788	<0.001	-	-	1.819	<0.001
Third group	-	-	-	-	2.598	<0.001	2.320	<0.001	-	-	2.397	<0.001
Fourth group	-	-	-	-	3.928	<0.001	3.493	<0.001	-	-	3.702	<0.001
Fifth group (high)	-	-	-	-	4.298	<0.001	3.732	<0.001	-	-	4.014	<0.001
Employment status^e												
Retired	-	-	-	-	-	-	-	-	0.403	0.003	-2.516	<0.001
Student	-	-	-	-	-	-	-	-	0.544	0.037	0.113	0.665
Unemployed	-	-	-	-	-	-	-	-	-2.837	<0.001	-3.029	<0.001
Employment status missing	-	-	-	-	-	-	-	-	-6.209	<0.001	-5.394	<0.001
R-Square												
Adj R-Square		0.200		0.208		0.212		0.216		0.205		0.221
		0.199		0.207		0.212		0.216		0.205		0.221
Observation number		120,703		120,703		120,703		120,703		120,703		120,703

^aCoded: men=0; women=1

^bBase line category: age group 15-19 years

^cBase line category: below primary school

^dBase line category: first group (low)

^eBase line category: employed

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Table 8 Multiple regression analyses on VAS score, on sex, age group and clinical characteristics, China 2008

	Model 1		Model 2		Model 3	
	β -estimate	p-value	β -estimate	p-value	β -estimate	p-value
Intercept	90.851	<0.001	90.541	<0.001	90.618	<0.001
Sex ^a	-1.297	<0.001	-1.333	<0.001	-1.525	<0.001
Age group ^b						
20-24	-1.196	<0.001	-1.094	<0.001	-0.644	0.003
25-29	-2.334	<0.001	-2.264	<0.001	-2.004	<0.001
30-34	-3.998	<0.001	-3.870	<0.001	-4.028	<0.001
35-39	-5.152	<0.001	-5.046	<0.001	-5.554	<0.001
40-44	-6.394	<0.001	-6.173	<0.001	-7.139	<0.001
45-49	-8.192	<0.001	-7.731	<0.001	-9.234	<0.001
50-54	-9.773	<0.001	-9.155	<0.001	-11.198	<0.001
55-59	-11.410	<0.001	-10.617	<0.001	-13.142	<0.001
60-64	-13.286	<0.001	-12.157	<0.001	-15.327	<0.001
65-69	-15.582	<0.001	-14.301	<0.001	-17.842	<0.001
70-74	-17.208	<0.001	-15.759	<0.001	-19.846	<0.001
75-79	-18.539	<0.001	-17.122	<0.001	-21.313	<0.001
80-84	-20.226	<0.001	-18.711	<0.001	-23.159	<0.001
85+	-20.985	<0.001	-19.959	<0.001	-23.938	<0.001
Clinical characteristics						
Discomfort during the past 2 weeks ^c	-8.916	<0.001	-	-	-	-
Discomfort during the past 2 weeks missing	-0.178	0.820	-	-	-	-
Diagnosed with chronic disease during the past 6 months ^d	-	-	-9.979	<0.001	-	-
Hospitalised during the past 12 months ^e	-	-	-	-	-6.899	<0.001
R-Square		0.259		0.269		0.214
Adjusted R-Square		0.259		0.269		0.214
Observation number		120,703		120,701		120,703

^aCoded: men=0; women=1

^bBase line category: age group 15-19 years

^cBase line category: respondents without discomfort during the past 2 weeks

^dBase line category: respondents without chronic disease during the past 6 months

^eBase line category: respondents without hospitalised during the past 12 months