

**Table S1. Overactive bladder symptom score (OABSS)**

<b>Item</b>	<b>Score</b>
Q1. How many times do you typically urinate, from waking in the morning until sleeping at night?	
≤7	0
8–14	1
≥15	2
Q2. How many times do you typically wake up to urinate, from sleeping at night until waking in the morning?	
<i>None</i>	0
1	1
2	2
≥3	3
Q3. How often do you have a sudden desire to urinate, which is difficult to defer?	
<i>None</i>	0
<i>Less than once a week</i>	1
<i>Once a week or more</i>	2
<i>About once a day</i>	3
<i>2–4 times a day</i>	4
<i>≥5 times a day</i>	5
Q4. How often do you leak urine because you cannot defer the sudden desire to urinate?	
<i>None</i>	0
<i>Less than once a week</i>	1
<i>Once a week or more</i>	2
<i>About once a day</i>	3
<i>2–4 times a day</i>	4
<i>≥5 times a day</i>	5

Patients were instructed to circle the score that best applied to their urinary condition during the past week; the overall score was the sum of the four scores.

**Table S2. Baseline characteristics of the participants with missing data in at least one covariate**

	<b>Number of Participants (n = 1037)</b>	<b>%<sup>a</sup></b>	<b>Mean (SD); Median (range)</b>
<b>Age, y</b>			67.9 (9.2)
<b>Age group, y</b>			
40-59	178	17.2	
60-69	342	33	
70-79	448	43.2	
≥ 80	69	6.7	
<b>Gender</b>			
Women	677	65.3	
Men	360	34.7	
<b>Body mass index, kg/m<sup>2</sup></b>			
< 25	449	65	
25-29.99	223	32.3	23.9 (3.0)
≥ 30	19	2.8	
Missing	346		
<b>Exercise habit</b>			
Present	340	40.8	
Absent	493	59.2	
Missing	204		
<b>Living arrangement</b>			
Alone	52	11.7	
Cohabiting	391	88.2	
Missing	594		
<b>Hypertension</b>			
Present	443	64.1	
Absent	248	35.9	
Missing	346		
<b>Cerebrovascular disease</b>			
Present	34	3.6	

<i>Absent</i>	911	96.4	
<i>Missing</i>	92		
<b>Diabetes</b>			
<i>Present</i>	60	9.3	
<i>Absent</i>	587	90.7	
<i>Missing</i>	390		
<b>OAB symptom severity<sup>b</sup></b>			2.5 (2.4); 2 (0-11)
<b>OAB symptom severity groups</b>			
<i>0</i>	165	15.9	
<i>1</i>	278	26.8	
<i>2</i>	190	18.3	
<i>≥3 without OAB</i>	188	18.1	
<i>Mild OAB</i>	99	9.6	
<i>Moderate or worse OAB</i>	117	11.3	
<b>Timed Up and Go, s</b>	1037		7.6 (2.4); 7.1 (2.3-36.7)
<b>Depressive symptoms</b>			
<i>Present</i>	140	13.5	
<i>Absent</i>	897	86.5	
<b>Any fall over the previous month</b>			
<i>Present</i>	104	10.0	
<i>Absent</i>	933	90.0	
<b>Frequent (≥2) falls over the previous month</b>			
<i>Present</i>	38	3.7	
<i>Absent</i>	999	96.3	

OAB: overactive bladder

<sup>a</sup>Proportion of participants in categories of a specific covariate among those who have the covariate's value

<sup>b</sup>OAB symptom severity derived from OABSS

**Table S3. Associations between OAB symptom severity, locomotive function, and depressive symptoms and falls**

	Number of Participants	Any fall over the previous month	Frequent ( $\geq 2$ ) falls over the previous month
		<i>Adjusted<sup>a</sup></i> <i>OR (95% CI)</i>	<i>Adjusted<sup>a</sup></i> <i>OR (95% CI)</i>
<b>OAB symptom severity groups</b>			
<i>Non-OAB with 0 points</i>	358	1	1
<i>Non-OAB with 1 point</i>	638	1.09 (0.65-1.83)	1.59 (0.61-4.14)
<i>Non-OAB with 2 points</i>	470	1.42 (0.84-2.40)	1.58 (0.59-4.25)
<i>Non-OAB with <math>\geq 3</math> points</i>	435	2.04 (1.22-3.40)	2.08 (0.79-5.46)
<i>Mild OAB</i>	213	2.07 (1.16-3.70)	2.95 (1.05-8.27)
<i>Moderate to severe OAB</i>	273	1.79 (1.02-3.13)	3.60 (1.36-9.50)
		Trend P = 0.086	Trend P = 0.004
<b>Timed Up and Go</b>			
<i>Per 1s</i>	2387	1.09 (1.04-1.15)	1.14 (1.07-1.22)
<i>Per 1SD</i>		1.22 (1.07-1.36)	1.34 (1.14-1.55)
<b>Depressive symptoms</b>			
<i>Absent</i>	2038	1.0	1.0
<i>Present</i>	349	2.53 (1.87-3.44)	2.44 (1.53-3.90)

OAB: overactive bladder, OR: odds ratio, 95% CI: 95% confidence interval

<sup>a</sup>Estimated from logistic regression models adjusted for age, gender, body mass index, exercise habit, living arrangement, hypertension, cerebrovascular disease, diabetes, and all the variables in this table.