

# The effect of travel distance on health-related quality of life for patients with nephrolithiasis

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Cite as: *Can Urol Assoc J* 2020;14(4):E152-3.

**Supplementary Table 1. Spearman correlation of total QOL and distance (km) by presence of stones and symptoms – “Not sure” classified as “No”**

Stones	Symptoms	n	Correlation	p	Mean WISQOL score	Mean distance
--	--	1665	-0.110	<0.0001	107.4	55.4
--	No	1033	-0.011	0.7241	121.1	49.2
--	Yes	611	-0.123	0.0023	84.8	64.4
No	--	762	-0.037	0.3108	116.7	54.3
Yes	--	885	-0.140	<0.0001	99.6	55.5
No	No	624	0.016	0.6834	122.3	49.4
Yes	No	408	-0.047	0.3400	119.2	49.0
No	Yes	137	-0.107	0.2112	92.0	75.5
Yes	Yes	474	-0.124	0.0068	82.7	61.3

“Not sure” is classified as “No” and distance is censored at 500 km. QoL: quality of life; WISQOL: Wisconsin Stone Quality of Life questionnaire.

**Supplementary Table 2. Spearman correlation of total QOL and distance (km) by presence of stones and symptoms – “Not sure” excluded**

Stones	Symptoms	n	Correlation	p	Mean WISQOL score	Mean Distance
--	--	1237	-0.121	<0.0001	106.8	54.6
--	No	717	-0.005	0.8992	123.1	49.3
--	Yes	520	-0.133	0.0024	84.3	61.9
No	--	408	0.002	0.9716	122.3	52.2
Yes	--	829	-0.146	<0.0001	99.1	55.8
No	No	362	0.029	0.5809	125.1	50.1
Yes	No	355	-0.035	0.5135	121.0	48.4
No	Yes	46	-0.165	0.2734	100.8	68.9
Yes	Yes	474	-0.124	0.0068	82.7	61.3

“Not sure” is excluded and distance is censored at 500 km. QoL: quality of life; WISQOL: Wisconsin Stone Quality of Life questionnaire.

**Supplementary Table 3. Estimated changes in WISQOL score for subjects currently experiencing symptoms based on demographic information, stone disease factors, and distance – “Not sure” classified as “No”**

Variable	Estimate	p
Intercept	92.479	
Site		0.0016
Age (years)	0.260	0.0075
Gender		0.1202
	Female	-3.714
	Male	ref
BMI class		0.0186
	Underweight	-2.161
	Normal	ref
	Overweight	1.229
	Obese class I	2.979
	Obese class II	-4.355
	Obese class III	-10.864
Race - ethnicity		0.0635
	Asian	6.210
	Black/African American	-4.609
	White - Latin	-8.391
	White - non-Latin	ref
	Other	-19.343
Previous stone events	-0.099	0.1107
Comorbidities	-2.682	0.0012
Presence of stones	-11.192	0.0001
Distance (km)	-0.043	0.0009

Distance has been censored at 500 km. BMI: body mass index; WISQOL: Wisconsin Stone Quality of Life questionnaire.

**Supplementary Table 4. Estimated changes in WISQOL score for subjects currently experiencing symptoms based on demographic information, stone disease factors, and distance – “Not sure” excluded**

Variable	Estimate	p
Intercept	92.959	
Site		0.0005
Age (years)	0.296	0.0013
BMI class		0.0257
	Underweight	7.187
	Normal	ref
	Overweight	0.963
	Obese class I	3.757
	Obese class II	-3.282
	Obese class III	-10.012
Comorbidities	-2.795	0.0003
Presence of stones	-17.674	<0.0001
Distance (km)	-0.046	0.0011

Distance has been censored at 500 km. BMI: body mass index; WISQOL: Wisconsin Stone Quality of Life questionnaire.