

Supplementary table 2. OR (95% CI) for daytime LUTS across quartiles of blood immune-inflammatory indexes*

	Crude Model	P value	Model 1	P value	Model 2	P value
PIV						
Q1 (< 181.50)	1[Reference]		1[Reference]		1[Reference]	
Q2 (181.50–276.64)	1.20(0.83,1.71)	0.32	1.16(0.79,1.69)	0.44	1.17(0.80,1.71)	0.39
Q3 (276.65–421.83)	0.95(0.65,1.40)	0.81	0.91(0.62,1.34)	0.62	0.93(0.63,1.35)	0.67
Q4 (≥ 421.84)	1.46(0.96,2.21)	0.07	1.33(0.87,2.03)	0.17	1.32(0.85,2.03)	0.20
P for trend		0.07		0.16		0.22
SIRI						
Q1 (< 0.80)	1[Reference]		1[Reference]		1[Reference]	
Q2 (0.80–1.14)	1.08(0.62,1.88)	0.77	1.05(0.60,1.86)	0.85	1.04(0.58,1.86)	0.88
Q3 (1.15–1.65)	1.14(0.76,1.71)	0.51	1.05(0.68,1.62)	0.81	1.01(0.66,1.57)	0.94
Q4 (≥ 1.66)	1.82(1.05,3.17)	0.03	1.59(0.89,2.85)	0.11	1.52(0.83,2.80)	0.16
P for trend		< 0.01		0.04		0.07
SII						
Q1 (< 356.13)	1[Reference]		1[Reference]		1[Reference]	
Q2 (356.13–500.41)	1.00(0.72,1.39)	0.99	0.99(0.69,1.42)	0.96	1.03(0.73,1.45)	0.86
Q3 (500.42–702.31)	1.03(0.71,1.49)	0.86	1.02(0.70,1.51)	0.90	1.05(0.71,1.54)	0.81
Q4 (≥ 702.32)	1.32(0.89,1.95)	0.16	1.27(0.84,1.93)	0.25	1.28(0.83,1.96)	0.24
P for trend		0.11		0.17		0.19
NLR						
Q1 (< 1.56)	1[Reference]		1[Reference]		1[Reference]	
Q2 (1.56–2.08)	1.18(0.92,1.52)	0.19	1.19(0.90,1.57)	0.20	1.18(0.89,1.58)	0.23
Q3 (2.09–2.72)	1.41(0.91,2.18)	0.12	1.34(0.85,2.10)	0.19	1.32(0.83,2.09)	0.22
Q4 (≥ 2.73)	2.10(1.44,3.05)	< 0.01	1.87(1.26,2.78)	< 0.01	1.82(1.21,2.73)	0.01
P for trend		< 0.01		< 0.01		< 0.01
dNLR						
Q1 (< 1.13)	1[Reference]		1[Reference]		1[Reference]	
Q2 (1.13–1.44)	1.25(0.98,1.61)	0.07	1.23(0.95,1.59)	0.11	1.23(0.95,1.59)	0.11
Q3 (1.45–1.84)	1.20(0.78,1.83)	0.39	1.15(0.74,1.78)	0.51	1.15(0.74,1.79)	0.51
Q4 (≥ 1.85)	1.99(1.35,2.93)	< 0.01	1.86(1.25,2.75)	< 0.01	1.81(1.20,2.71)	0.01
P for trend		< 0.01		< 0.01		0.01
MLR						
Q1 (< 0.22)	1[Reference]		1[Reference]		1[Reference]	
Q2 (0.22–0.29)	1.17(0.81,1.69)	0.38	1.13(0.77,1.66)	0.50	1.13(0.77,1.66)	0.49
Q3 (0.30–0.37)	1.32(0.85,2.06)	0.20	1.23(0.77,1.96)	0.36	1.22(0.75,1.98)	0.40
Q4 (≥ 0.38)	1.66(1.14,2.42)	0.01	1.38(0.93,2.04)	0.10	1.35(0.89,2.03)	0.15
P for trend		0.01		0.13		0.19
PLR						
Q1 (< 97.90)	1[Reference]		1[Reference]		1[Reference]	
Q2 (97.90–124.74)	0.92(0.65,1.30)	0.63	0.93(0.66,1.32)	0.68	0.94(0.66,1.34)	0.71
Q3 (124.75–159.41)	0.76(0.60,0.96)	0.02	0.81(0.64,1.04)	0.09	0.83(0.65,1.07)	0.14
Q4 (≥ 159.42)	1.13(0.82,1.57)	0.44	1.11(0.80,1.55)	0.50	1.13(0.80,1.60)	0.45
P for trend		0.47		0.52		0.45
CRP, mg/dl						
Q1 (< 0.09)	1[Reference]		1[Reference]		1[Reference]	

Q2 (0.09–0.20)	0.84(0.62,1.15)	0.28	0.83(0.59,1.16)	0.26	0.82(0.58,1.16)	0.23
Q3 (0.21–0.43)	0.95(0.66,1.37)	0.79	0.95(0.64,1.39)	0.76	0.92(0.63,1.36)	0.66
Q4 (≥ 0.43)	1.36(0.97,1.91)	0.07	1.29(0.90,1.85)	0.15	1.22(0.86,1.74)	0.25
P for trend		0.02		0.03		0.05

Abbreviations: *OR*, odds ratio; *CI*, confidence interval; PIV, pan-immune-inflammation value; SIRI, system inflammation response index; SII, systemic immune-inflammation index; NLR, neutrophil to lymphocyte ratio; dNLR, derived neutrophil-to-lymphocyte ratio; MLR, monocyte to lymphocyte ratio; PLR, platelet to lymphocyte ratio; CRP, C-reactive protein.

*Values are numerical values or weighted *OR* (95% *CI*).

Model 1 was adjusted for age, race/ethnicity, education level, smoking status, alcohol use, and BMI;

Model 2 was additionally adjusted for total cholesterol, and a history of diabetes and hypertension.