

Dysuria, heat stress, and muscle injury among Nicaraguan sugarcane workers at risk for Mesoamerican nephropathy¹

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1. *Supplementary material*

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Table S1. Characteristics among male Nicaraguan sugarcane workers: Stratified by whether or not had a medical record.

	Medical record n=199		No medical record n=43		p-value ^a
	n (%)	Median (IQR)	n (%)	Median (IQR)	
Characteristics at baseline					
Age ^b , years					0.14
<25	60 (30.61)		10 (52.63)		
25-32	70 (35.71)		5 (26.32)		
>=33	66 (33.67)		4 (21.05)		
Employment characteristics during follow-up ^c					
Number of jobs held		1 (1)		1(1)	0.13
Work months		25 (35)		11 (24)	<0.001
Ever cane cutter	62 (31.16)		31 (72.09)		<0.001
Work months as a cane cutter		0 (5)		5 (10)	<0.001

^a p-values comparing characteristics between ever and never cane cutters: Wilcoxon rank sum test for continuous characteristics; Chi-square test for categorical characteristics

^b Missing age for 3 workers with medical records and 24 workers who had missing medical records

^c Characteristics during follow-up are analyzed using one observation per worker (e.g., cumulative number of work months a worker contributed during follow-up)

	Cane cutter (Person-months=1,083)		Other job in sugarcane (Person-months=5,424)		p-value ^b	Crude OR ^c (95% CI)	Age-adjusted OR ^d (95% CI)
	Events n	Proportion months ^a	Events n	Proportion months ^a			
Dysuria (n=160)	64	0.059	96	0.018	<0.001	3.07 (2.00-4.72)	2.93 (1.93-4.46)
Heat events							
Primary definition (n=21)	8	0.007	13	0.002	0.02	3.21 (1.25-8.26)	3.25 (1.21-8.72)
Primary & secondary definitions (n=44)	13	0.012	31	0.006	0.02	2.16 (1.08-4.30)	2.13 (1.02-4.43)
Muscle events							
Primary definition (n=16)	4	0.004	12	0.002	0.32	1.71 (0.58-5.06)	1.93 (0.66-5.66)
Primary & secondary definitions (n=21)	5	0.005	16	0.003	0.38	1.57 (0.53-4.62)	1.75 (0.60-5.09)

^a Proportion months event occurred

^b p-value from Chi-square test or Fisher's Exact (primary heat definition, primary heat only definition, and primary & secondary heat definition) test comparing proportion of medical events experienced during months worked as cane cutter compared with working in other sugarcane job

^c Logistic Regression using GEE method

^d Logistic Regression using GEE method, age adjusted