

**Table S1.** Characteristics of study population (men only) at baseline (n=79) and at with complete data at three month follow-up (n=72).

	All men (n=79)	Complete data at follow-up (n=72)
	median (IQR)	median (IQR)
Age (years), median (IQR)	40 (33-49)	40 (33.4-49.5)
Education (years), median (IQR)	6 (6-9)	6.5 (6-9)
Current job (years), median (IQR)	10 (3-16)	10 (3-15.5)
Farmworker (years), median (IQR)	9.5 (4-12)	9 (4-12)
	%	%
Incomplete primary education	20%	21%
Born in Costa Rica	84%	82%
Married/living as married	77%	76%
Past work similar work at another company	62%	61%
Past work in sugarcane	34%	32%
Past work as a sugarcane fieldworker	15%	15%
Past work not in agriculture	32%	32%
Consumption of alcohol	75%	75%
Current smoker	9%	8%
High blood pressure	20%	21%
Diabetes	14%	14%
Urinary tract infection during (ever)	20%	18%
Chistate (ever)	75%	74%
Obese (BMI ≥30)	25%	28%
Pain medication last week(a)	33%	34%
NSAID last week (a)	22%	13%
Ever pesticide use(b)	69%	69%
Ever paraquat use (b)	62%	61%
Ever glyphosate use(b)	48%	49%
Ever fungicide use (b, c)	15%	16%
Dehydrated at (USG ≥1.025) enrollment	54%	54%
Proteinuria one plus or higher enrollment	19%	19%
Hematuria (dipstick, traces or more) enrollment	4%	3%
Casts (any) enrollment (d)	8%	7%
Crystals (any) enrollment (d, f)	16%	6%
eGFR<60 enrollment	10%	10%
eGFR<90 at enrollment	71%	74%
a) 15 missing data for first column/ 10 missing for second column, percentage shown out of complete data		
b) 8 missing data for first column/ 2 missing for second column, percentage shown out of complete data		
d) 4 missing data in both columns, percentage shown out of complete data		

**Table S2.** Results from bivariate linear regression analysis (n=72) presenting beta estimates with 95%CI for selected variables (estimates with p<0.05 in bold).

Variables	β estimate for eGFR at enrollment			
	median	IQR	estimate	95%CI
Age (years)			-0.69	-1.05 -0.34
Current job (years)			-0.48	-0.97 0.00
	n	%	estimate	95%CI

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Field worker	27	38%	-4.89	-14.20	4.42
Past work at another company	44	61%	2.01	-6.27	10.29
Past work as a sugarcane cutter	9	13%	-3.53	-9.56	2.51
Past work in sugarcane fields	11	15%	-3.40	-8.94	2.14
Past work in construction/mining/fishing	23	32%	2.80	1.47	7.07
Consumption of alcohol	54	75%	-2.40	-12.17	7.36
Current smoker	6	8%	4.90	-20.08	29.88
High blood pressure	15	21%	-3.14	-14.75	8.48
Diabetes	10	14%	-3.92	-16.36	8.51
Ever urinary tract infection	13	18%	1.70	-8.71	12.11
Ever chistate	53	74%	1.13	-7.58	9.84
Obese (BMI $\geq 30$ )	20	28%	3.72	-4.97	12.41
Pain medication last week(a)	21	34%	9.27	-0.57	19.11
NSAID last week (a)	8	13%	-0.48	-17.87	16.90
Ever pesticide use	48	67%	-2.92	-11.20	5.36
Ever paraquat use	43	60%	-0.71	-8.74	7.32
Ever glyphosate use	34	47%	-1.88	-10.18	6.42
Ever carbamate, lannate, benomyl use	8	11%	-0.65	-13.45	12.16

(a)n= 3 (11%) of farmworkers and n=8 (16%) of other workers with missing data at baseline; Percentages shown are out of complete data.

**Table S3.** Sensitivity analysis for multivariate stepwise regression model for eGFR at baseline (Table 3) excluding cases where pain medication data were missing at baseline (15% of participants). (R2adj = 0.27).

Y	Term	Estimate	p	Lower 95%	Upper 95%
eGFR at enrollment	Intercept	112.14	0.00	96.65	127.64
	Age	-0.72	0.00	-1.08	-0.35
	Current field worker	-4.24	0.03	-8.14	-0.33
	Past work in construction	3.21	0.16	-1.26	7.68
	Pain medication during the last week*	4.11	0.05	-0.06	8.29

\*Pain medication variable excluded for 15% with missing medication data at baseline.

**Table S4.** Bivariate analysis for 1) difference in eGFR after three months and 2) IKI from Poisson regression. .

Variables	median	IQR	Dif- eGFR			IKI		
			estimate	95%CI		estimate	95%CI	
Age (years)			0.15	-0.26	0.57	1.01	0.95	1.08
	n	%	estimate	95%CI		estimate	95%CI	
Field worker	27	38%	-7.59	-17.58	2.41	<b>2.44</b>	<b>1.20</b>	<b>6.30</b>
Consumption of alcohol	54	75%	1.96	-9.66	13.58	0.84	0.43	1.83
Current smoker	6	8%	<b>-13.07</b>	<b>-25.52</b>	<b>-0.61</b>	1.79	0.69	3.63
High blood pressure	15	21%	0.94	-7.54	9.42	1.01	0.39	2.05
Diabetes	10	14%	-8.23	-18.24	1.77	<b>2.12</b>	<b>1.06</b>	<b>4.14</b>
Obese (BMI ≥30)	20	28%	0.00	-7.34	7.35	0.58	0.13	1.34
Pain medication last week (3-month visit) (a)	21	34%	<b>-9.98</b>	<b>-19.62</b>	<b>-0.35</b>	1.58	0.81	3.19
NSAID last week (3-month visit) (a)	8	13%	-7.09	-17.72	3.54	1.40	0.54	2.86
Current pesticide use	14	19%	3.24	-10.94	17.42	1.16	0.17	4.81
Current paraquat use	12	17%	-3.54	-16.96	9.88	1.41	0.21	5.81
Current glyphosate use	10	14%	7.83	-11.28	26.94	0.76	0.04	4.16
Dehydrated at enrollment	39	54%	0.35	-8.56	9.26	0.50	0.19	1.02
Dehydrated at 3-month follow-up	32	44%	-5.47	-13.55	2.62	1.12	0.54	2.30
Dehydrated at enrollment and 3-month follow-up	25	35%	-3.96	-11.94	4.03	0.74	0.29	1.51

(a) 3 (8%) of farmworkers and 7 (16%) of non-farmworkers with missing data at baseline; Percentages shown are out of complete data.