

## Supplementary material

**Table S1.** Presence of CKD by GFR and Albuminuria categories according to KDIGO recommendations

Presence of CKD by GFR and Albuminuria categories: KDIGO 2012				Albuminuria categories: Description and range		
				A1	A2	A3
				Normal to mildly increased	Moderately increased	Severely increased
				<30mg/g	30-300 mg/g	>300 mg/g
GFR categories (mL/min/1.73 m <sup>2</sup> ): Description and range	G1	Normal or high	≥90			
	G2	Mildly decreased	60-89			
	G3a	Mildly to moderately decreased	45-59			
	G3b	Moderately to severely decreased	30-44			
	G4	Severely decreased	15-29			
	G5	Kidney failure	<15			

*Abbreviations:* CKD: chronic kidney disease; GFR: glomerular filtration rate; KDIGO: Kidney Disease - Improving Global Outcomes.

*Notes:* Cells in dark grey shading indicate CKD Stages G3a-G5: eGFR <60 mL/min/1.73 m<sup>2</sup>; cells in medium grey shading indicate CKD Stages 1-2: moderately to severely increased albuminuria but 'mildly decreased', 'normal', or 'high' kidney function (eGFR ≥60 mL/min/1.73 m<sup>2</sup>).

**Table S2. General characteristics of the sample<sup>a</sup>**

<b>Variable</b>	<b>ENS 2009-2010 Percentage (%)</b>	<b>ENS 2016-2017 Percentage (%)</b>	<b>P value (ENS 2009-2010 vs ENS 2016-2017)</b>
N	4583	5995	
Age (years: Mean (±SD))	43.1 (±0.42)	5.1 (±0.45)	<0.01
Sex			0.73
Female	51.9%	51.1%	
Male	48.1%	48.9%	
<i>Educational level</i>			0.13
< 8 years	19.2%	17.5%	
8-12 years	55.0%	53.2%	
>12 years	25.8%	29.3%	
<i>Urban/Rural area</i>			0.17
Urban	87.1%	89.0%	
Rural	12.9%	11.0%	
<i>Smoking behaviour</i>			<0.01
Current smoker	41.8%	33.4%	
Ex-smoker	23.1%	27.1%	
Non-smoker	35.1%	39.5%	
<i>BMI<sup>b</sup></i>			<0.01
Underweight	1.1%	0.9%	
Normal	32.1%	22.2%	
Overweight	40.8%	40.9%	
Obese	26.0%	36.1%	
<i>Diabetes<sup>c</sup></i>			<0.01
No	90.6%	87.0%	
Yes	9.4%	13.0%	
<i>Hypertension<sup>d</sup></i>			0.40
No	72.3%	70.4%	
Yes	27.7%	29.6%	

<sup>a</sup> Adults 18 years and older. Adjusted for complex sample design, non-weighted for non-response.

<sup>b</sup> BMI: Body mass index. Underweight BMI <18.5 kg/m<sup>2</sup>; Normal: 18.5-24.9 kg/m<sup>2</sup>; Overweight: 25-29.9 kg/m<sup>2</sup>; Obese: ≥30 kg/m<sup>2</sup>.

<sup>c</sup> Diabetes: Fasting blood glucose ≥126 mg/dl or self-report of medical diagnosis of diabetes.

<sup>d</sup> Hypertension determined by SBP ≥ 140 mmHg and/or DBP ≥ 90 mmHg, or self-report of medical diagnosis of hypertension

**Table S3: Prevalence of CKD (based on eGFR values only) and mean age by eGFR Stages in the Chilean population 18 and older.**

eGFR <sup>a</sup> (ml/min/1.73 m <sup>2</sup> )	Prevalence (95% CI)		Mean Age (95% CI)	
	ENS 2009-2010	ENS 2016-2017	ENS 2009-2010	ENS 2016-2017
>90	77.6% (75.5, 79.6)	77.9% (75.9, 79.8)	37.8 (37.0, 38.5)	39.4 (38.7, 40.2)
60-90	19.9% (18.0, 21.9)	18.8% (17.1, 20.1)	60.4 (58.9, 61.8)	62.3 (60.9, 63.8)
45-59	1.6% (1.2, 2.3)	2.1% (1.6, 2.8)	71.2 (67.4, 75.0)	73.2 (69.5, 77.0)
30-44	0.5% (0.3, 0.8)	0.6% (0.4, 0.8)	76.7 (71.9, 81.6)	81.2 (79.1, 83.3)
15-29	0.2% (0.1, 0.5)	0.4% (0.2, 0.8)	68.2 (52.7, 83.8)	79.4 (73.0, 85.8)
<15	0.1% (0.0, 0.4)	0.1% (0.1, 0.4)	60.9 (58.8, 63.0)	51.0 (40.2, 61.9)
<b>Total CKD<sup>b</sup></b>	<b>2.5% (1.9, 3.2)</b>	<b>3.2% (2.6, 4.0)</b>	<b>71.8 (68.7, 74.9)</b>	<b>74.4 (71.4, 77.4)</b>

<sup>a</sup> eGFR (measured in ml/min/1.73 m<sup>2</sup>) determined by CKD-EPI equation.

<sup>b</sup> CKD considered as eGFR <60 ml/min/1.73 m<sup>2</sup>. Categories based on definition by KDIGO.

**Table S4. Prevalence of albuminuria and mean age by ACR categories among participants aged 40+ with survey-defined diabetes and/or hypertension.**

Albuminuria <sup>a</sup> (mg/g)	Prevalence (95% CI)		Mean Age (95% CI)	
	ENS 2009-2010	ENS 2016-2017	ENS 2009-2010	ENS 2016-2017
<30	81.7% (78.8, 84.0)	84.5% (82.2, 86.5)	57.8 (56.8, 58.7)	57.5 (56.7, 58.4)
30-300	15.4% (13.0, 18.2)	13.5% (11.5, 15.7)	60.6 (58.5, 62.7)	63.6 (61.2, 66.1)
>300	2.9% (2.0, 4.3)	2.0% (1.5, 2.8)	59.0 (53.7, 64.4)	67.7 (63.4, 71.9)
<b>Total increased albuminuria</b>	<b>18.3% (15.8, 21.2)</b>	<b>15.5% (13.5, 17.8)</b>	<b>60.4 (58.4, 62.3)</b>	<b>64.1 (61.9, 66.4)</b>

<sup>a</sup> Albuminuria determined by the urine albumin-creatinine ratio. Normal: <30 mg/g; Moderately increased: 30-300 mg/g; Severely increased >300 mg/g.