

Supplemental Table 1. Survey-reported reimbursement values in US dollars for kidney health laboratory tests around the globe.

Country	ISN Region	Serum Creatinine	Serum Cystatin C	Urine Albumin	Urine Creatinine	Urinalysis (dipstick)
Argentina	Latin America	160 ARS (2.26 USD)	NA	120 ARS (1.69 USD)	160 ARS (2.26 USD)	150 ARS (2.12 USD)
Australia	Oceania and South East Asia	12.73 AUD (8.84 USD)	25 AUD (17.37 USD)	13.27 AUD (9.22 USD)	12.73 AUD (8.85 USD)	11.59 AUD (8.06 USD)
Canada ¹	North America and the Caribbean	12 CAD (8.83 USD)	NA	12 CAD (8.83 USD)	1.60 CAD (1.18 USD)	8 CAD (5.89 USD)
Canada ²	North America and the Caribbean	5 CAD (3.68 USD)	NA	22 CAD (16.20 USD)	5 CAD (3.68 USD)	10 CAD (7.36 USD)
China	North and East Asia	7 CNY (1.00 USD)	U	50 CNY (7.14 USD)	7 CNY (1.00 USD)	1 CNY (0.14 USD)
Czech Republic	Eastern and Central Europe	19 CZK (0.81 USD)	315 CZK (13.35 USD)	144 CZK (6.10 USD)	19 CZK (0.80 USD)	42 CZK (1.78 USD)
France	Western Europe	2.50 EUR (1.69 USD)	23 EUR (25.99 USD)	5 EUR (5.65 USD)	2.40 EUR (2.71 USD)	0.1 EUR (0.11 USD)
Georgia	NIS and Russia	8 GEL (2.61 USD)	NA	NA	8 GEL (2.61 USD)	10 GEL (3.26 USD)
India ³	South Asia	80 INR (1.06 USD)	NA	100 INR (1.33 USD)	80 INR (1.06 USD)	25 INR (0.33 USD)
India ⁴	South Asia	100 INR (1.33 USD)	1200 INR (15.96 USD)	300 INR (3.99 USD)	250 INR (3.32 USD)	200 INR (2.66 USD)
Iran	Middle East	100000 IRR (2.38 USD)	U	200000 IRR (4.75 USD)	U	U
Japan	North and East Asia	110 JPY (1.03 USD)	1210 JPY (11.32 USD)	1050 JPY (9.82 USD)	110 JPY (1.03 USD)	260 JPY (2.43 USD)
Kazakhstan	NIS and Russia	1000 KZT (2.42 USD)	NA	1000 KZT (2.42 USD)	1000 KZT (2.42 USD)	700 KZT (1.69 USD)
Lebanon	Middle East	6000 –10000 LBP (3.97 – 6.62 USD)	100000 LBP (66.17 USD)	40000 LBP (26.47 USD)	6000 LBP (3.97 USD)	10000 LBP (6.62 USD)
Mexico	Latin America	30 – 300 MXN (1.33 – 13.34 USD)	60 – 600 MXN (2.67 – 26.67 USD)	60 – 600 MXN (2.67 – 26.67 USD)	60 – 600 MXN (2.67 – 26.67 USD)	30 – 300 MXN (1.33 – 13.34 USD)
Nigeria	Africa	600 NGN (1.55 USD)	20,000 NGN (51.62 USD)	7700 NGN (19.87 USD)	1100 NGN (2.84 USD)	800 NGN (2.06 USD)
Pakistan	South Asia	250 PKR (1.51 USD)	800 PKR (4.82 USD)	200 PKR (1.20 USD)	450 PKR (2.71 USD)	300 PKR (1.81 USD)

Philippines	Oceania and South East Asia	260 PHP (5.26 USD)	900 PHP (18.20 USD)	300 PHP (6.07 USD)	315 PHP (6.37 USD)	220 PHP (4.45 USD)
Russia	NIS and Russia	170 RUB (2.40 USD)	970 RUB (13.69 USD)	410 RUB (5.79 USD)	200 RUB (2.82 USD)	U
Senegal	Africa	2000 CFA (3.20 USD)	NA	2000 CFA (3.44 USD)	2000 CFA (3.44 USD)	1500 CFA (2.58 USD)
Singapore	Oceania and South East Asia	Dependent on means testing, can be up to 75% of total amount.				
Spain	Western Europe	0,052 EUR (0.06 USD)	3,00 EUR (3.39 USD)	0,68 EUR (0.77 USD)	0,052 EUR (0.06 USD)	0,80 EUR (0.90 USD)
Turkey	Eastern and Central Europe	1.050 TRY (0.15 USD)	8.075 TRY (1.18 USD)	1.050 TRY (0.15 USD)	1.050 TRY (0.15 USD)	1.050 TRY (0.15 USD)
Uruguay	Latin America	150 UYU (3.44 USD)	NA	150 UYU (3.44 USD)	150 UYU (3.44 USD)	150 UYU (3.44 USD)

Reimbursements are shown in local currency (USD equivalent).

NA – laboratory test not available in the survey country; U – reimbursement value for laboratory test unknown/not reported by survey respondent; 1 – Regina, Canada; 2 – Edmonton, Canada; 3 - New Delhi, India; 4 – Hyderabad, India from Dr. Lal PathLabs, a private sector laboratory.

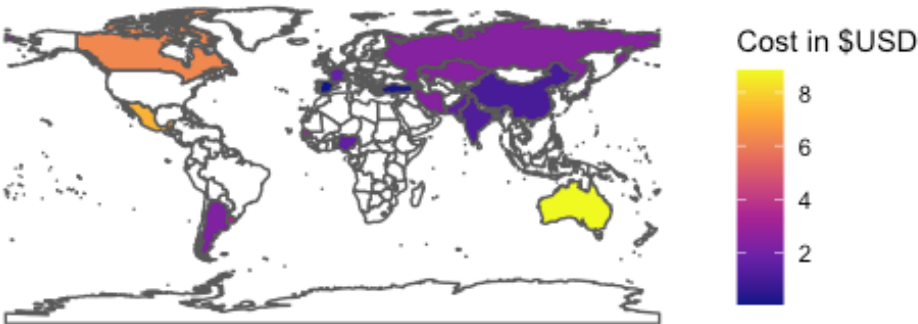
Supplemental Table 2. Availability and median (IQR) reimbursement values in US dollars for kidney health laboratory tests around the globe, by World Bank income group and overall.

World Bank Income Group	Availability/ Reimbursement	Serum Creatinine	Serum Cystatin C	Urine Albumin	Urine Creatinine	Urinalysis (dipstick)
Lower-middle-income (N = 6)	Availability	100%	67%	100%	100%	100%
	Reimbursement	1.53 USD (1.33 – 3.44)	17.08 USD (10.39 – 34.91)	3.72 USD (1.33 – 6.07)	3.08 USD (2.71 – 3.44)	2.32 USD (1.81 – 2.66)
Upper-middle income (N = 9)	Availability	100%	67%	89%	100%	100%
	Reimbursement	2.40 USD (2.26 – 2.61)	14.18 USD (7.44 – 40.42)	5.27 USD (2.06 – 10.91)	2.52 USD (1.63 – 3.40)	2.12 USD (0.15 – 6.62)
High-income (N = 9)	Availability	100%	67%	100%	100%	100%
	Reimbursement	2.57 USD (0.92 – 6.26)	13.35 USD (11.32 – 17.37)	7.47 USD (4.55 – 9.52)	1.95 USD (0.92 – 3.56)	2.94 USD (1.34 – 6.63)
Overall (N = 24)	Availability	96%	67%	96%	100%	100%
	Reimbursement	2.38 USD (1.06 – 3.68)	14.67 USD (11.32 – 18.20)	5.72 USD (2.42 – 9.22)	2.71 USD (1.06 – 3.44)	2.43 USD (1.69 – 4.45)

Reimbursement values are survey-reported and in USD equivalents.

Supplemental Figure 1. Reimbursement values in US dollars for kidney health laboratory tests around the globe.

Serum Creatinine



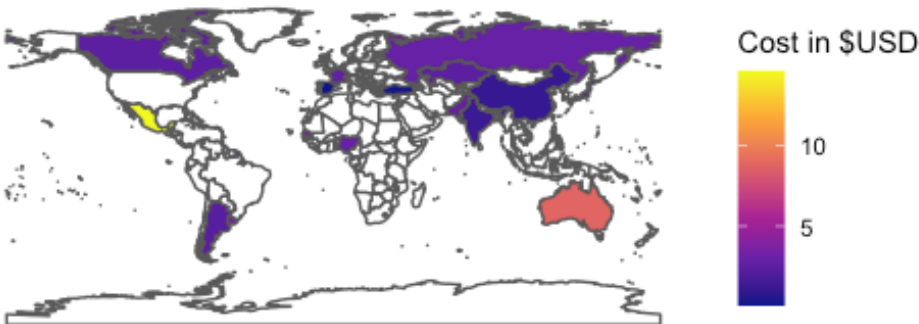
Serum Cystatin C



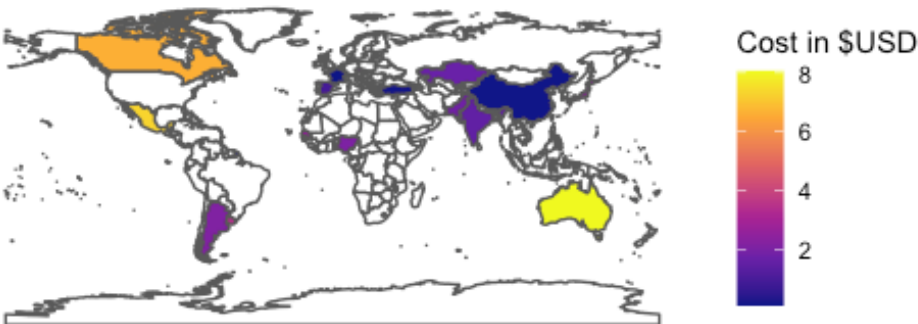
Urine Albumin



Urine Creatinine



Dipstick Urinalysis



Canada and India are depicted as averages of the two survey responses from each country.

Supplemental Table 3. Association of World Bank income group ranking and gross national income with reimbursement values of kidney health laboratory tests, in international dollars and US dollars.

	Serum Creatinine β (95% CI), p-value	Serum Cystatin C β (95% CI), p-value	Urine Albumin β (95% CI), p-value	Urine Creatinine β (95% CI), p-value	Urinalysis (dipstick) β (95% CI), p-value
International dollars					
World Bank Income group					
Lower-middle-income (ref.)	0	0	0	0	0
Upper-middle income	0.73 (-3.91 – 5.38), p = 0.75	-16.13 (-83.72 – 51.45), p = 0.61	0.55 (-16.30 – 17.41), p = 0.95	-0.43 (-8.55 – 7.70), p = 0.91	0.86 (-4.57 – 6.29), p = 0.74
High-income	-2.54 (-7.30 – 2.22), p = 0.28	-50.00 (-114.12 – 14.11), p = 0.11	-8.31 (-25.16 – 8.54), p = 0.32	-6.84 (-14.96 – 1.28), p = 0.09	-2.52 (-7.79 – 2.75), p = 0.33
Gross national income (per thousand \$)	-0.05 (-0.16 – 0.06), p = 0.35	-1.16 (-2.61 – 0.30), p = 0.11	-0.20 (-0.58 – 0.19), p = 0.30	-0.15 (-0.34 – 0.03), p = 0.11	-0.06 (-0.18 – 0.06), p = 0.32
US dollars					
World Bank Income group					
Lower-middle-income (ref.)	0	0	0	0	0
Upper-middle income	0.51 (-2.36 – 3.39), p = 0.71	1.28 (-30.19 – 32.74), p = 0.93	1.90 (-6.03 – 9.83), p = 0.62	0.45 (-3.36 – 4.26), p = 0.81	0.73 (-2.33 – 3.79), p = 0.62
High-income	1.19 (-1.76 – 4.14), p = 0.41	-8.37 (-38.22 – 21.49), p = 0.55	1.52 (-6.41 – 9.45), p = 0.69	-0.57 (-4.38 – 3.24), p = 0.76	1.43 (-1.54 – 4.40), p = 0.32
Gross national income (per thousand \$)	0.05 (-0.01 – 0.11), p = 0.09	-0.20 (-0.87 – 0.48), p = 0.53	0.06 (-0.12 – 0.23), p = 0.52	0.002 (-0.08 – 0.09), p = 0.97	0.05 (-0.01 – 0.12), p = 0.11

Table shows coefficients (95% confidence interval) and p-values from unadjusted linear regression.

Supplemental Table 4. Reimbursement values for kidney health laboratory tests from publicly available online sources.

Country	ISN Region	Serum Creatinine	Serum Cystatin C	Urine Albumin	Urine Creatinine	Urinalysis (dipstick)	Source
Belgium	Western Europe	0.55€	6.25€	U	0.63€	U	https://www.riziv.fgov.be/nl/Paginas/default.aspx
Canada ¹	North America and the Caribbean	12 CAD	NA	15.20 ^a CAD		8 CAD	https://www.sma.sk.ca/105/sma-fee-guide.html
Canada ²	North America and the Caribbean	5 CAD	NA	22 CAD	U	10 CAD	https://www.albertahealthservices.ca/assets/wf/lab/wf-lab-bulletin-revised-laboratory-tests-and-associated-costs.pdf
Germany	Western Europe	0.25 €	9.70 €	1.55 ^a €		U	https://www.raps.org/regulatory-focus%E2%84%A2/news-articles/2017/10/germany-reimbursement-profile
Kazakhstan	NIS and Russia	800 KZT	NA	2,500 KZT		700 KZT	https://www.kdlolymp.kz/pricelist/nur-sultan
United Kingdom	Western Europe	£1.14	U	£1.14	£1.14	£1.14	https://improvement.nhs.uk/resources/national-tariff/#h2-201920-national-tariff-payment-system
United States	North America and the Caribbean	\$5.12	\$18.52	\$5.78	\$5.18	\$2.17	https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/ClinicalLabFeeSched/Clinical-Laboratory-Fee-Schedule-Files

Reimbursements are shown in local currency.

NA – laboratory test not available in the survey country; U – reimbursement value for laboratory test unknown/not reported from source

1 – Regina, Canada; 2 – Edmonton, Canada; 3 - New Delhi, India; 4 – Hyderabad, India.

a – reimbursement for “microalbumin” testing.