

S2 Table. Comparison of reference intervals

Test	Units	PRESENT STUDY KENYA							TURKEY (11)							INDIA (13)							
		Age	M+F		M		F		Age	M+F		M		F		Age	M+F		M		F		
TP	g/L	18-65	LL	UL	LL	UL	LL	UL	20-79	LL	UL	LL	UL	LL	UL	18-65	LL	UL	LL	UL	LL	UL	
Alb	g/L	18-65	67	83					20-79	66	82					18-65	68	86				36	47
		18-44			40	51	38	49															
		45-65				40	47	38	46														
Urea	mmol/L	18-65			2.4	6.6			20-49			2.95	7.20	2.21	6.12	18-65			2.2	6.0			
		18-44					1.8	5.3						2.85	7.96	18-45					1.9	5.1	
		45-65					1.9	6.2	50-79								46-65					2.4	6.7
UA	μmol/L	18-65			243	507	178	417	20-79			226	458	166	345	18-65			248	509	159	404	
Cre	μmol/L	18-65			58	109	45	86	20-79			59	92	50	71	18-65			58	95	35	74	
TBil	μmol/L	18-65			6	43	5	27	20-79			3.8	24.1	2.7	15.9	18-65			6.2	23.7	4	17.3	
Na	mmol/L	18-65	134	142					20-79	137	144					18-65	135	146					
K	mmol/L	18-65	3.4	4.8					20-79	3.7	4.9					18-65	3.8	5					
Cl	mmol/L	18-65	100	110					20-79	99	107					18-65	102	113					
Ca	mmol/L	18-65	2.19	2.57					20-79	2.15	2.47					18-65	2.1	2.44					
IP	mmol/L	18-65	0.78	1.42					20-79	0.8	1.4					18-65	0.8	1.43					
Mg	mmol/L	18-65			0.73	0.98			20-79	0.77	1.06					18-65	0.77	1.07					
		18-44					0.71	0.93															
		45-65					0.76	1.01															
Glu	mmol/L	18-65							20-79	3.96	5.88					18-65							
		18-44			3.9	5.8										18-45	4.1	5.5					
		45-65			4.4	7.3										46-65	4.3	6.0					
TC	mmol/L	18-65														18-65					2.9	6.6	
		18-45			3.10	6.10			20-49	3.22	6.45	3.20	6.42	3.20	6.38	18-45			3.1	6.2			
		46-65			3.20	7.20			50-79					3.93	7.92	46-65			2.5	6.7			
TG	mmol/L	18-65														18-65			0.6	2.7	0.5	2.1	
		18-45			0.50	2.88	0.45	2.03	20-49			0.53	3.39	0.46	2.52	18-45							
		46-65			0.53	3.87	0.55	3.24	50-79					0.64	3.55	46-65							
HDL-C	mmol/L	18-65	0.70	1.70							0.85	1.52	0.95	1.56	18-65			0.7	1.5	0.8	1.8		
LDL-C	mmol/L	18-65			1.60	4.80										18-65	1.7	4.4					
		18-44					1.50	4.20	20-49	1.47	3.92	1.60	4.01	1.32	3.92	18-45							
		45-65					1.70	4.90	50-79					1.78	4.91	46-65							
Lip	U/L	18-65			8	75	10	63							18-65								
ALT	IU/L	18-65			10	55	7	30			9	57	7	28	18-65			15	74	10	37		
AST	IU/L	18-65			17	40	15	29			13	30	11	25	18-65			20	53	17	39		
ALP	IU/L	18-65			53	153			18-65			41	111			18-65			41	111			
		18-44					47	130	20-49	38	112	43	116	34	97	18-45					35	100	
		45-65					55	174	50-79					47	133	46-65					43	117	
AMY	IU/L	18-65	47	164					34	119					18-65	36	135						
LDH	IU/L	18-65	138	257					126	220					18-65	104	206						
CK	IU/L	18-65			72	460	53	260			48	227	34	131	18-65			48	304	36	184		
GGT	IU/L	18-65			13	90	10	47			11	69	7	33	18-65			14	62	11	40		
Fe	μmol/L	18-65	8.8	28.9							5.9	31.6	3.5	27.8	18-65			7	33	4	26		
Ferr	μg/L	18-65			20	457			18-79					4.7	136	18-65							
		18-44					5	150	18-44			13	276	4.3	91								
		45-65					12	232	45-79					5.9	175								
Tf	g/L	18-65			1.9	3.2	2.0	3.5	18-79	1.8	3.3	1.8	3.3	1.9	3.5	18-65	2.2	4					
TfSat	%	18-65	13	47											18-65								
CRP	mg/L	18-65	0.21	14.7											18-65			0.33	7.34	0.35	11.9		
IgA	g/L	18-65	1.05	4.63											18-65	0.94	4.35						
IgG	g/L	18-65	11.1	20.0											18-65	9.1	20.4						
IgM	g/L	18-65			0.38	2.29	0.51	2.77							18-65			0.4	2.54	0.51	3.1		
FT3	pmol/L	18-65	3.9	6.3											18-65								
FT4	pmol/L	18-65	7.8	14.1											18-65								
TSH	mIU/L	18-65	0.61	4.86											18-65								
PSA	μg/L	18-65			0.25	2.95									18-65								

