

Multimedia Appendix 4

Table: Identified studies with full text report available

First author Year	Country	Sample size	Study population	Age [#]	Spot urine timing			Timing of spot urine and 24 hour collection	
					Random/ not reported	Morning	Afternoon	Evening/ overnight	Dependent
Bankir L 2008 [1]	Seychelles Islands	325	Eastern African descent	46.4±11.5		X		X	
Brown IJ 2013 [2]	European and North American	5693	Random sample	20-59	X				X
Chen WY 1975 [3]	China	188	Normotensive and hypertensive	24-72	X				X
Cholongitas E 2013 [4]	Greece	126	Patients with decompensated cirrhosis and ascites without intrinsic renal disease	56±12	X				X
Cogswell ME 2013 [5]	United States	407	Healthy	18-39		X	X	X	X
Ding J 1983 [6]	China	20	Healthy hospital staff	30-50	X				X
Doenyas- Barak K 2015 [7]	Israel	48	Healthy volunteers	46.6±14.0		X	X	X	X
Dyer A 1987 [8]	United States	107	Treated hypertensives	41-80		X	X	X	X
Dyer A 1998 [9]	United States	120	General population	27-64		X	X	X	X
El-Bokl MA	Egypt	40	Patients with liver	50±5	X				-

2009 [10]			cirrhosis and ascites					
Enkhtungalag B [unpublished]	Mongolia	1027	General population	25-64		X	X	-
Ford EG 1987 [11]	United States	6	Children admitted to the pediatric surgical service for traumatic disease	1-13	X			X
Green TJ 1994 [12]	Canada	8	Male volunteers	25.4±4		X		X
Haga M 2010 [13]	Japan	79	Infants	2-5			X	X
Han W 2015 [14]	China	222	Hypertensive patients	58.4±14.5		X	X	X
He J 1993 [15]	China	63	Liangshan Yi farmers (rural) and urban residents (staff of Yi Migrant Study)	19-55			X	X
He J 2009 [16]	China	1906	Pre-hypertensive or stage 1 hypertension	39.3±9.6			X	-
He J 2012 [17]	China	487	Pre-hypertensive or stage 1 hypertension	44.3±8.7			X	Not reported
Hollister AS 1986 [18]	United States	14	Normotensive	33±2	X			X
Hong YH 2010 [19]	Malaysia	30	Urinary stone-formers	-		X		X
Hunsballe JM 1998 [20]	Denmark	33	Patients with primary monosymptomatic nocturnal enuresis and Healthy subjects	15-37	X		X	X

Ilich JZ 2009 [21]	United States	143	Healthy women	30-79					X
Imai E 2011 [22]	Japan	136	Patients with chronic kidney disease	Male: 67.5±12 Female: 69.1±10.3					X
Iwahori T 2014 [23]	Japan	48	General population	39.9	X	X			X
Jeffery PB 2013 [24]	Australia	948	General population	56.5±13.6			X	X	X
Ji C 2013 [25]	Britain (European White, West African Black, South Asian), Italy	1063	General population and factory workers	32-75			X		X
Kamata K 2002 [26]	Japan	149	Healthy subjects	Men: 35±14.4; women: 49±15.8			X		X
Kang S 2012 [27]	Korea	305	Patients with chronic kidney disease	55.7±14.1			X	X	X
Kara PS 2013 [28]	Turkey	42	Normotensive and hypertensive	hypertensive: 55.8±8.4; normotensives: 49.3±5.4			X	X	X
Kawamura M 2010 [29]	Japan	100	Hypertensive	Men: 58 ± 14; Women: 61 ±12			X		X
Kawamura M 2012 [30]	Japan	24	Hypertensive	59±16	X	X			X
Kawasaki T 1982 [31]	Japan	242	Healthy	20-63				-	
Kirkland JL 1983 [32]	England	45	General population	25-80	X				X

Kirkpantur A 2013 [33]	Turkey	114	Newly diagnosed type 2 diabetes	45.2±10.2		-	
Knuiman JT 1988 [34]	Netherlands	28	School children	8-9		X	X
Koo H 2015 [35]	Korea	204	General population	-	X		X
Liu K 1979 [36]	United States	73	6th-8th grade school children	-		X	X
Liu K 1979 [37]	United States	142	Male business and administrative personnel	-	X	X	X
Liu K 1984 [38]	United States	189	Men with diastolic blood pressure 80-90 mmHg and school children in the 6th to 8th grades	38.2±4.4; 12.2±0.9		-	
Liu LS 1986 [39]	China	49	Healthy male doctors or technicians	30-50		X	X
Liu LS 1987 [40]	China	50	Normotensive male employees of Fu Wai hospital in Beijing, China	27-50	X		X
Luft F 1982 [41]	United States	24	Male students or employees at Indiana University	19-32		X	X
Luft F 1982 [42]	United States	43	Students and employees at Indiana University	19-54		X	X
Luft F 1983 [43]	United States	24	Students and employees at Indiana University	22-62	X	X	X

Luft FC 1984 [44]	United States	153	Normotensive school-age identical twin pairs and their families	Fathers: 40±2.5 Mothers: 37±1.9 Children: 11±0.2	X			X	X
Mann S 2010 [45]	United States	81	General population	59.2±12.2	X	X	X		X X
McLean R 2014 [46]	New Zealand	98	Healthy	18-65	X				X
Mente A 2014 [47]	India, China, Colombia, Argentina, Brazil, Malaysia, South Africa, Turkey, Canada, Sweden, United Arab Emirates	1083	General population	35-70		X			X
Micheli E T 2003 [48]	Brazil	31	General population	6-17				X	X
Mill JG 2012 [49]	Brazil	109	Healthy	30-74	X			X	X
Milne FJ 1980 [50]	South Africa	97	Normotensive and hypertensive	-		X	X	X	X
Mizehoun- Adissoda C 2015 [51]	West Africa	354	Healthy	25-64		X			X
Ogawa M 1986 [52]	Japan	16	Normotensive and pre-hypertensive	19-65		X			X

Pan WH 1994 [53]	Taiwan	39	Healthy	24			X	X	
Parsons CL 2005 [54]	United States	48	New untreated female patients with interstitial cystitis (IC) and control patients without IC symptoms	-		X			X
Peco-Antić A 2009 [55]	Serbia	56	Patients with chronic glomerulopathy	4-19		X	X	X	
Pietinen PI 1976 [56]	United States	19	Young healthy normotensive individuals	21-38		X	X	X	
Pietinen PI 1979 [57]	United States	50	Healthy volunteers	20-40			X	X	
Poulter N 1984 [58]	Kenya	32	Volunteers	-		X			X
Rhee M 2014 [59]	Korea	325	General population	Group 1: 52.4 ± 11.1 Group 2: 51.0 ± 10.9		X	X	X	X
Tanaka T 2002 [60]	Japan	927	General population	20-59		X			X
Tochikubo O 1986 [61]	Japan	103	Hypertensive and normotensive high school students	15-18			X	X	
Toft U 2013 [62]	Denmark	473	General population	28-74		X			X
Trotter A 1996 [63]	Germany	70	Newborn infants	Postmenstrual median age 25-42 weeks		X		X	
Vanacor R	Brazil	60	Healthy	33.7±13.5		X		X	

2008 [64]							
Watson RL 1970 [65]	United States	100	General population	-	X		X
Webster J 2016 [66]	Samoa	293	General population	36.4±15.4		X	X
Whiting SJ 1998 [67]	Canada	10	Healthy women	20-30		X	X
Wolf JP 1984 [68]	France	151	Healthy volunteers	20-68		X	-
Yamasue K 2006 [69]	Japan	250	Healthy adults	52.7±15.9			X X
Yamauchi T 1994[70]	Japan	22	School children	6-11			X X
Yamori Y 1982 [71]	Japan	16	Healthy medical student volunteers	22-24		X	X X
Ye Z 1986	China	48	University students	-			X X

#presented as range or mean±SD

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