

Table 3. Characteristics of included studies

Author	Year conducted	Country	Type of setting	Age range	Number of participants			Number of cases	Prevalence (%)			Type of manometer	Number of measurements
					Total	Male	Female		Total	Male	Female		
Ulate G	1988	Costa Rica	Urban	6 - 16	934	NA	NA	48	5.1	5.7	4.6	Mercury	3
Dei Cas S <i>et al</i>	1993	Argentina	Urban	13	1042	496	546	95	9	9	9	Mercury	4
Monge R <i>et al</i>	1996	Costa Rica	Urban/Rural	12 - 18	328	167	161	9	2.7	1.2	2.48	Mercury	3
Yamamoto-Kimura L <i>et al</i>	1996 - 1998	Mexico	Urban/Rural	12 - 16	3121	1405	1716	280	8.97	8.97	8.97	Mercury	3
Rezende D <i>et al</i>	1999	Brazil	Urban	7 -14	607	294	313	15	2.5	1.4	4	Aneroid	3
Pereira A <i>et al</i>	2001	Brazil	Urban	2 - 19	494	198	296	58	11.7	NA	NA	Aneroid	3
Nogueira P <i>et al</i>	2002	Brazil	Urban	7 - 10	7440	3549	3891	1123	15	NA	NA	Aneroid	3
Brunner M <i>et al</i>	2003	Argentina	Urban	9 - 13	402	NA	NA	96	24	NA	NA	Aneroid	3
Suarez L <i>et al</i>	2004 - 2005	Cuba	Urban	15 - 17	1645	741	904	42	2.5	3.9	1.4	Aneroid	3
Silva A <i>et al</i>	2004 - 2006	Brazil	Urban	7 - 11	1401	NA	NA	110	7.9	NA	NA	Automated	3
Dumas L <i>et al</i>	2005	Argentina	Urban	6 - 12	1038	NA	NA	35	3.37	NA	NA	Mercury	3
Borges L <i>et al</i>	2005	Brazil	Urban	7 - 10	601	293	308	14	2.3	1.7	2.9	Mercury	3
Sánchez-Zamorano L <i>et al</i>	2005	Mexico	Urban	12 - 15	2387	1129	1245	93	3.9	NA	NA	Automated	4
Ribas S <i>et al</i>	2005	Brazil	Urban	6-19	557	263	294	40	7.2	8	6.5	NA	3
Saury-Paredes L	2005	Mexico	Rural	5 - 11	259	134	125	16	6.1	6.7	5.6	Aneroid	3

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Velasco-Martínez R <i>et al</i>	2005 - 2006	Mexico	Urban	12 - 15	259	109	150	15	6.0	NA	NA	Mercury	3
Beck C <i>et al</i>	2006	Brazil	Urban	14 - 19	660	317	343	12	1.81	2.84	0.9	Mercury	3
Bancalari R <i>et al</i>	2006	Chile	Urban	6 - 14	2980	1550	1430	405	13.6	14.95	12.2	Mercury	3
Rinaldi A <i>et al</i>	2006 - 2007	Brazil	Urban	6-14	903	467	436	26	2.9	NA	NA	NA	3
Cuestas E <i>et al</i>	2007	Argentina	Urban	2 - 9	240	123	117	9	3.7	4.07	3.42	Mercury	3
Rivas S <i>et al</i>	2007	Cuba	Urban	14 - 17	1551	637	914	90	5.8	10.04	2.84	NA	3
Aregullin-Eligio E <i>et al</i>	2007	Mexico	Urban	6 - 12	329	146	183	16	4.9	3.4	6	Aneroid	4
Costanzi C <i>et al</i>	2007	Brazil	Urban	7 - 12	1413	714	699	119	8.4	NA	NA	Aneroid	3
Saez Y <i>et al</i>	2007	Peru	Urban	12 - 17	277	136	141	4	1.4	1.4	1.4	Mercury	3
Tringler M <i>et al</i> (The Vela Project)	2007 - 2008	Argentina	Rural	5 - 18	334	151	183	8	2.39	NA	NA	Mercury	3
Juarez-Rojas J <i>et al</i>	2008	Mexico	Urban	12 - 16	1846	770	1076	195	10.6	9.9	11.1	Mercury	3
Jiménez M <i>et al</i>	2008	Paraguay	Urban	6 - 17	356	174	182	37	10.4	NA	NA	Aneroid	4
Polderman J <i>et al</i>	2008	Brazil	Urban	12 - 17	1002	442	560	147	14.67	16.9	12.9	Automated	3
Queiroz V <i>et al</i>	2008	Brazil	Urban	6 - 9	750	348	402	102	13.6	14.1	13.2	Aneroid	3
Szer G <i>et al</i>	2008	Argentina	Urban	6 - 9	816	415	401	77	9.4	9.1	9.7	Aneroid	3

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Freitas D <i>et al</i>	2009	Brazil	Urban	15 - 17	184	60	124	11	6.00	NA	NA	Automated	3
Valdés W <i>et al</i>	2009 - 2010	Cuba	Urban	10 - 19	192	107	85	19	9.9	NA	NA	NA	3
Gutierrez Y <i>et al</i>	2009 - 2010	Colombia	Urban	5 - 10	273	124	146	22	8.05	11.29	5.48	Aneroid	3
Barberán K <i>et al</i>	2010	Ecuador	Urban/Rural	5 - 12	320	160	160	72	22.5	27.5	17.5	Aneroid	3
Díaz A <i>et al</i>	2010	Argentina	Rural	5 - 18	331	149	182	8	2.4	NA	NA	Mercury	3
Costa J <i>et al</i>	2010	Brazil	Urban	12 - 18	145	54	91	20	13.8	14.9	13.2	Aneroid	3
Molina M <i>et al</i>	2010	Brazil	Urban	7 - 10	1181	NA	NA	159	13.8	12.9	13.9	Automated	3
Gonzalez R <i>et al</i>	2010 - 2011	Cuba	Urban	5 - 11	310	156	154	19	6.1	7.69	4.5	Aneroid	3
Souza C <i>et al</i>	2010 - 2012	Brazil	Urban	7 - 10	722	308	414	15	2.1	NA	NA	Automated	9
Mora A <i>et al</i>	2010 - 2013	Brazil	Urban	8 - 10	261	106	155	52	19.92	NA	NA	Automated	4
Jardim T <i>et al</i>	2011	Brazil	Urban	12 - 17	1025	492	533	118	11.5	15.4	7.9	Automated	4
Gonzalez A <i>et al</i>	2011	Argentina	Urban	8 - 14	1531	675	801	55	3.7	4.6	3.0	Automated	3
Pimentel J <i>et al</i>	2011	Brazil	Urban	7 - 17	477	203	274	80	16.8	21.1	13.4	Automated	3
Christofaro D <i>et al</i>	2011	Brazil	Urban	10 - 17	1021	490	531	120	11.8	13.4	10.2	Automated	4
Mosquera M <i>et al</i>	2011	Colombia	Urban	8 - 11	225	128	97	6	2.6	4.7	1.5	Aneroid	3
Briceño G <i>et al</i>	2011 - 2012	Colombia	Urban	3 - 17	118	63	55	3	2.5	NA	NA	NA	3
Gorrita R <i>et al</i>	2011 - 2013	Cuba	Urban	12 - 15	259	125	134	5	1.93	2.4	1.5	NA	3

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Ferreira C <i>et al</i>	2012	Brazil	Urban	7 - 14	1342	NA	NA	20	1.5	NA	NA	Aneroid	3
Fuly J <i>et al</i>	2012	Brazil	Urban	6 - 13	794	404	390	31	4	NA	NA	Aneroid	3
Cohen H <i>et al</i>	2012	Argentina	Urban	1 - 18	1030	533	537	93	9.03	8.8	8.6	Mercury	3
Brito-Zurita O <i>et al</i>	2012	Mexico	Urban	6-12	684	333	351	53	7.74	NA	NA	Mercury	4
Diaz A <i>et al</i>	2012 - 2013	Cuba	Urban	NA	829	280	549	50	6.03	10	4	NA	3
Ferreira H <i>et al</i>	2012 - 2013	Brazil	Urban	9 - 11	1338	639	699	205	15.3	15.2	15.5	Aneroid	3
Manhabusque K	2012 - 2013	Brazil	Urban	10 - 14	817	340	477	95	11.63	12.7	11	Automated	3
Klunder M <i>et al</i>	2013	Mexico	Urban	6 - 16	2247	1031	1216	18	0.8	NA	NA	Aneroid	4
Briceño G <i>et al</i>	2013	Colombia	Urban/Rural	5 - 9	1055	571	484	108	10.23	9.28	11.36	NA	3
Novaes J <i>et al</i>	2013	Brazil	Urban	6 - 11	769	NA	NA	78	10.1	NA	NA	Automated	3
Uribe L <i>et al</i>	2013	Chile	Urban	9 - 16	109	62	47	21	19.2	NA	NA	Aneroid	3
Bloch K <i>et al</i> (ERICA Study)	2013 - 2014	Brazil	Urban	12 - 17	73399	32724	40675	6863	9.6	11.9	7.3	Automated	3
De Almeida M <i>et al</i>	2013 - 2014	Brazil	Urban	12 - 17	1586	613	973	160	10.10	14	6.2	Automated	3
Fuentes O <i>et al</i>	2013 - 2014	Cuba	Rural	5 - 19	136	NA	NA	10	7.4	NA	NA	NA	3
Gari M <i>et al</i>	2013 - 2016	Cuba	Urban	8 - 11	373	NA	NA	19	5.1	NA	NA	NA	5
Dyson P <i>et al</i>	2014	Mexico	Urban	12 - 18	4089	1853	2236	575	14.06	15	13.3	Automated	3
Lobo H <i>et al</i>	2014	Brazil	Urban	7 - 10	212	139	73	45	21.2	18.7	26	NA	3

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De Moraes L <i>et al</i>	2014	Brazil	Urban	6 - 13	817	417	400	32	3.9	NA	NA	Aneroid	3
Moura I <i>et al</i>	2014	Brazil	Urban	12 - 18	211	85	126	29	13.7	16.46	11.91	Aneroid	3
Oliveira L <i>et al</i>	2014	Brazil	Urban/Rural	14 - 19	481	221	260	8	1.7	2.7	0.8	Automated	3
Reuter C <i>et al</i>	2014	Brazil	Urban	7 - 17	1201	545	656	151	12.57	NA	NA	NA	3
Cardona-Gomez J	2015	Colombia	Urban	10 - 17	917	508	409	164	17.9	NA	NA	Automated	3
Lima I <i>et al</i>	2015	Brazil	Urban	6 - 17	175	68	107	5	2.9	NA	NA	NA	3
Estrago V <i>et al</i>	2015 - 2016	Uruguay	Urban	10 - 13	1297	589	708	98	7.56	NA	NA	NA	3
Gamboa E <i>et al</i>	2017	Colombia	Urban	5 - 11	1282	655	627	9	0.7	NA	NA	Automated	3
Amor M <i>et al</i>	2017	Argentina	Urban	15 - 19	289	134	155	19	6.6	NA	NA	Automated	3
Duin A <i>et al</i>	2018	Venezuela	Urban	15 - 18	136	52	84	9	6.62	NA	NA	NA	3
Freitas P <i>et al</i>	2018	Brazil	Urban	14 - 18	130	49	81	10	7.7	NA	NA	Automated	3
De Assunção-Bezerra M <i>et al</i> (ERICA Study)	2018	Brazil	Urban	12 - 17	2400	1287	1113	213	8.88	NA	NA	Automated	3
Tozo T <i>et al</i>	2020	Brazil	Urban	11 - 17	336	163	173	136	40.5	42.3	38.7	Automated	3