# 1 Table 1

Table 1. Characteristics of Included Studies

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First author, Year | Setting | Comparison groups | Age (mean), age range | Female (%) | Race/ethnicity |
| Aihara, 1998 | Other (specify below) | clinic to ambulatory | 54 ( 20 , NA ) | 78 | Rural japan- Oshasama town |
| Aksoy, 2006 | Primary care | clinic to home | 29 | 29 |  |
| Al-Husainy, 2005 | Secondary care | clinic to home | 0 ( 0 , NA ) | 0 | subset details not provided |
| Andreadis, Emmanuel, 2012 | Research visit | clinic to ambulatory  automated office to ambulatory | 53 | 52 | Not reported. |
| Bayo, 2006 | Primary care | home to ambulatory | 58 | 59 | not reported |
| Bottini, 1992 | Research visit |  | NA | NA |  |
| Brueren, 1997 | Primary care | home to ambulatory | 52 ( 20 , 75 ) | 49 |  |
| Christopher Selenta, 2000 | Research visit | clinic to ambulatory | 27 ( 17 , 68 ) | 52 | The ethnic composition of the sample was approximately 70% white and 30% Asian. |
| Cooper, R, 1997 | Primary care | clinic to ambulatory  home to ambulatory | 58 | 55 | Not specified |
| Dieterle, 2010 | Secondary care | clinic to ambulatory | 53 ( 25 , 82 ) | 42 |  |
| George Mansoor, 2004 | Primary care | home to ambulatory | 49 | 54 |  |
| Giancarlo Cesana, 1991 | Primary care | clinic to ambulatory  clinic to home  home to ambulatory | NA | NA |  |
| Hond, 2003 | Primary care | home to ambulatory | 50 | 54 |  |
| Imai, 1999 | Other (specify below) | clinic to ambulatory  clinic to home  home to ambulatory | 56 | NA |  |
| Inger Enstrom, 1992 | Research visit | clinic to ambulatory  home to ambulatory | 53 | 0 |  |
| Ishikawa, 2010 | Primary care | clinic to ambulatory  clinic to home  home to ambulatory | 60 ( 20 , NA ) | 53 |  |
| Johansson, 2009 | Other (specify below) | home to ambulatory | 47 ( 34 , 64 ) | 47 | Unknown-population from southwestern Finland |
| Jula, 1999 | Primary care | home to ambulatory | 46 ( 35 , 54 ) | 42 |  |
| Lehmkuhl, 2005 | Research visit | clinic to ambulatory | 50 | 39 | unknown |
| Mancia, 2009 | Other (specify below) | home to ambulatory | 44 | 57 | European/Italian |
| Mengden, 2000 | Secondary care | home to ambulatory | 59 | 40 | German |
| Moller, 2003 | Primary care | home to ambulatory | 53 ( 20 , 90 ) | NA | Unclear. |
| Mule, 2002 | Secondary care | home to ambulatory | 42 | 47 | Not specified |
| Myers, 2010 | Primary care | automated office to ambulatory | 57 | 52 |  |
| Ommen, 2007 | Primary care | clinic to ambulatory | 41 | 60 | White, Black, Other, Hispanic and non-Hispanic |
| Prasad, 1994 | Secondary care |  | 50 ( 23 , 72 ) | 58 |  |
| Prisant, 1992 | Primary care |  | 47 | 62 | 63% white (46 patients) 34% black (25 patients) 1 Asian patient |
| Rogers, 2002 | Primary care | home to ambulatory | NA | NA |  |
| Ronald H.J. Kok, 1999 | Primary care | clinic to ambulatory  clinic to home  home to ambulatory | 66 ( 60 , 74 ) | 48 |  |
| Sang-Kyu Kim, 2011 | Research visit | clinic to ambulatory | 35 | 28 |  |
| Schetini, 1999 | Secondary care | clinic to ambulatory  clinic to home  home to ambulatory  automated office to ambulatory | 47 ( 20 , 88 ) | 58 | Not defined but population completely from Uruguay |
| Sega, 1994 |  |  | NA | NA |  |
| Sega, 1997 | Research visit | home to ambulatory | NA ( 69 , NA ) | 46 |  |
| Shimbo, 2009 | Research visit | home to ambulatory | 52 | 54 | Race % White (Non-Hispanic) 60.7 % White (Hispanic) 9.2 % Black (Non-Hispanic) 17.5 % Black (Hispanic) 1.7 % Asian/Indian/Pacific Islander 6.1 % Native American/Alaskan Native 0.4 % Other 4.3 |
| Shimbo, D, 2007 | Research visit | home to ambulatory | 54 | 60 | 66.3% non-Hispanic white, 8.6% Hispanic white, 13.5% non-Hispanic black, 6.1% Asian |
| Stergiou, 2000 | Other (specify below) | home to ambulatory | 48 | 45 | Doesn’t specify. Non-American sample. |
| Stergiou, 2002 | Research visit | clinic to ambulatory  home to ambulatory | 48 | 45 |  |
| Stergiou, 2004 |  | home to ambulatory | 48 | 45 |  |
| Stergiou, 2007 | Research visit | clinic to ambulatory  clinic to home  home to ambulatory  clinic to automated office | 49 ( 20 , 75 ) | 26 | unknown |
| Stergiou, 2010 | Research visit | home to ambulatory | 53 | 43 |  |
| Urs Mueller, 1997 | Research visit |  | 50 | 63 |  |
| Vevoort, 1999 | Research visit | clinic to ambulatory | 28 | 52 |  |
| Viera, Anthony, 2010 | Research visit |  | 49 ( 30 , NA ) | 56 | Black: 36% White: 62% Other: 2% Hispanic: 2% |
| White, WB, et al, 1994 | Secondary care | clinic to ambulatory | 44 ( 23 , 65 ) | 15 | Not specified |
| Zhou, 2009 | Primary care | home to ambulatory | 54 ( 31 , 72 ) | 43 | Chinese |
|  | | | | | |

# 2 Table 2

Table 2. Studies Comparing Mean Office BP to Mean Ambulatory BP Monitoring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Ambulatory | |  | Clinic | |
| Author, year |  | Count | Mean |  | Count | Mean |
| Aihara, 1998 |  | 24 hours, every 30 mins (mean of 46.9 measurements) |  |  | 2 |  |
| Andreadis, Emmanuel, 2012 |  | 75 | 136/87 (awake); 132/83 (24-hour) |  | 6 (3/visit x 2 visits) | 163/96 |
| Christopher Selenta, 2000 |  | every 20 mins for 8 to 12 hours | 129.2/80 |  | 5 measurements over 15 mins | 117.1/68.8 |
| Cooper, R, 1997 |  | Not specified | 140/90 (24 hour) |  | 20 | 148/93 |
| Dieterle, 2010 |  | 24 hours | 134/83 |  | 2 | 153/96 |
| Giancarlo Cesana, 1991 |  | 15 mins interval for 24 hours |  |  | 3 |  |
| Imai, 1999 |  | 24 | 127.5/71.5 |  | 2 | 128.1/74.5 |
| Inger Enstrom, 1992 |  | 15 minutes interval |  |  | 2 x 3 visits |  |
| Ishikawa, 2010 |  | every 30 min for 24 hours | 121/74 24-hour |  | 2 | 132/82 |
| Lehmkuhl, 2005 |  | 4-24 hour measurements | control 138 |  | 6 measurements 3 on one day and 3, 3 days later | 141/92 |
| Ommen, 2007 |  | 20 minutes | Unclear |  | 2 | Unclear |
| Ronald H.J. Kok, 1999 |  | every 30 mins for 24 hours | 137/8124 hours 142/85 awake |  | 2 |  |
| Sang-Kyu Kim, 2011 |  | 30 mins interval 6a-10p | 129.6/82.5 |  | 2 | 120/72 |
| Schetini, 1999 |  | 20min intervals 7a-11p; 40min intervals at night | 118/72; 121/77 day; 107/64 night |  | 3 | 124/79 (MD); 123/78 (RN) |
| Stergiou, 2002 |  | 24 hours with measurements every 20 mins | 133/85 |  |  |  |
| Stergiou, 2007 |  | every 20 mins for 24 hours | 24 hour 139.2/89.9 awake 146.2/96.0 |  |  | 147.7/96.5 |
| Vevoort, 1999 |  | unclear | 120.9/120.4 |  | 10 | 113.4/65.0 |
| White, WB, et al, 1994 |  | 96 maximum | 155/95 |  | 3 visits | 168/110 |
|  | | | | | | |

# 3 Table 3

Table 3. Studies Comparing Hypertension Status by Office BP Compared to Hypertension Status by Ambulatory BP Monitoring

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Thresholds | | |  | Counts | | | |
| Author, Year |  | Clinic 1 | Clinic 2 | Home 1 |  | abpm, no. Clinic, no. | abpm, no. Clinic, yes. | abpm, yes. Clinic, no. | abpm, yes. Clinic, yes |
| Andreadis, Emmanuel, 2012 |  | 140|90 | 135|85 | 120|70 |  | Not reported | Not reported | Not reported | Not reported |
|  | | | | | | | | | |

# 4 Table 4

Table 4. Studies Comparing Mean Office BP to Mean Home BP Monitoring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Clinic | |  | Home | |
| Author, year |  | Count | Mean |  | Count | Mean |
| Aksoy, 2006 |  | 8 |  |  | 18 | 121/71 morning 124/70 evening |
| Al-Husainy, 2005 |  | 2 |  |  | 21 |  |
| Giancarlo Cesana, 1991 |  | 3 |  |  |  |  |
| Imai, 1999 |  | 2 | 128.1/74.5 |  | 56 | 118.7/74.8 |
| Ishikawa, 2010 |  | 2 | 132/82 |  | 12 | 124/77 |
| Ronald H.J. Kok, 1999 |  | 2 |  |  | 27 | 148/85 |
| Schetini, 1999 |  | 3 | 124/79 (MD); 123/78 (RN) |  | 3 | 125/78 |
| Stergiou, 2007 |  |  | 147.7/96.5 |  | 6 days, 2 times in morning, 2 times in evening | 142.2/92.3 |
|  | | | | | | |

# 5 Table 5

Table 5. Studies Comparing Hypertension Status by Office BP Compared to Hypertension Status by Home BP Monitoring

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Thresholds | | |  | Counts | | | |
| Author, Year |  | Clinic 1 | Clinic 2 | Home 1 |  | Home, no. Clinic, no. | Home, no. Clinic, yes. | Home, yes. Clinic, no. | Home, yes. Clinic, yes |
| Viera, Anthony, 2010 |  | 140|90 | 130|85 | 135|85 |  | Not reported | Not reported | Not reported | Not reported |
|  | | | | | | | | | |

# 6 Table 6

Table 6. Studies Comparing Mean Home BP to Mean Ambulatory BP Monitoring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Ambulatory | |  | Home | |
| Author, year |  | Count | Mean |  | Count | Mean |
| Bayo, 2006 |  | 70 | 130.4/ 77.7 |  | 18 | 137.4/82.1 |
| Brueren, 1997 |  | 24 hour, every 15 min from 0600 to 2200 and every 30 otherwise | 143/91 |  | 16 (2 in morning, 2 in evening) | 140/90 |
| Cooper, R, 1997 |  | Not specified | 140/90 (24 hour) |  | 20 | 141/87 |
| George Mansoor, 2004 |  | 1 day | 134/84 |  | 3 morning and 3 evening measurements for 7 days | 132/80 |
| Giancarlo Cesana, 1991 |  | 15 mins interval for 24 hours |  |  |  |  |
| Hond, 2003 |  | 15 min intervals between 0800 to 2200, 30 min intervals otherwise | daytime 148.1/95 |  | 3 morning and 3 evening measurements for 7 days | SBP 143.1 DBP 91.5 |
| Imai, 1999 |  | 24 | 127.5/71.5 |  | 56 | 118.7/74.8 |
| Inger Enstrom, 1992 |  | 15 minutes interval |  |  | 6 x 3 days |  |
| Ishikawa, 2010 |  | every 30 min for 24 hours | 121/74 24-hour |  | 12 | 124/77 |
| Johansson, 2009 |  | 24 hours, every 15 mins during awake 30 mins during sleep | SBP 131.3 DBP 80.3 |  | 7 days 4 times a day | SBP 128.8 DBP 84.8 |
| Jula, 1999 |  | 82 | 142/87 24-hr |  | 14 | 139/93 |
| Mancia, 2009 |  | 72 | 112.8/70.4 |  | 2 | 112.6/70.8 |
| Mengden, 2000 |  | unclear | 141.2/83.9 |  | 20 | 143.4/84.0 |
| Moller, 2003 |  | 80 | 152.1/89.8 |  | 40 | 152.2/90.6 |
| Mule, 2002 |  | 77 | 136.0/88.9 |  | 18 | 141.4/93.4 |
| Rogers, 2002 |  | 39 |  |  | 42 |  |
| Ronald H.J. Kok, 1999 |  | every 30 mins for 24 hours | 137/8124 hours 142/85 awake |  | 27 | 148/85 |
| Schetini, 1999 |  | 20min intervals 7a-11p; 40min intervals at night | 118/72; 121/77 day; 107/64 night |  | 3 | 125/78 |
| Sega, 1997 |  | 72 | 127.6/77.0 |  | 2 | 138.2/78.0 |
| Shimbo, 2009 |  | 33.4 | 135/83 |  | 12 | 133/82 |
| Shimbo, D, 2007 |  | 35 | 134/82 (awake) |  | Yes | 130/79 |
| Stergiou, 2000 |  | 72 | 139.5/91.4 |  | 24 | 138.7/89.3 |
| Stergiou, 2002 |  | 24 hours with measurements every 20 mins | 133/85 |  | 12 | 142/92 |
| Stergiou, 2004 |  | 144 | 142.4/91.5 |  | 24 | 139.3/91.1 |
| Stergiou, 2007 |  | every 20 mins for 24 hours | 24 hour 139.2/89.9 awake 146.2/96.0 |  | 6 days, 2 times in morning, 2 times in evening | 142.2/92.3 |
| Stergiou, 2010 |  | 6.9 | 138.0/89.5 |  | 10.8 | 137.9/88.0 |
| Zhou, 2009 |  | 39 |  |  | 6 |  |
|  | | | | | | |

# 7 Table 7

Table 7. Studies Comparing Hypertension Status by Home BP Compared to Hypertension Status by Ambulatory BP Monitoring

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Thresholds | |  | Counts | | | |
| Author, Year |  | Home 1 | ABPM 1 |  | ABPM, no. home, no. | ABPM, no. home, yes. | ABPM, yes. home, no. | ABPM, yes. home, yes |
| Stergiou, 2000 |  | 140|90 | 140|90 |  | 21 | 38 | 62 | 12 |
|  | | | | | | | | |

# 8 Table 8, preliminary QUADAS descriptives.

This needs to be revised to match table 2 from [doi: 10.1136/bmj.d3621](http://dx.doi.org/10.1136/bmj.d3621)

QUADAS 2 Quality Measures\(^a\)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Author, Year** | **Random** | **Case-control** | **Exclusion** | **Selection** | **Knowledge-index** | **Threshold** | **Concern-index** | **Reference standard** | **Knowledge-reference** | **Bias-index** | **Reference-match** | **Interval** | **Reference-all** | **Reference-same** | **Include-all** | **Flow** |
| 1 | Aihara, 1998 | N | Y | N | H | U | NA | L | Y | U | L | L | Y | Y | Y | N | L |
| 2 | Aksoy, 2006 | N | N | N | H | Y | Y | L | Y | Y | L | L | Y | Y | Y | Y | L |
| 3 | Andreadis, Emmanuel, 2012 | Y | Y | Y | H | U | U | L | Y | U | L | L | U | N | Y | N | H |
| 4 | Bayo, 2006 | Y | U | U | U | U | Y | L | Y | U | U | H | U | Y | Y | Y | L |
| 5 | Bottini, 1992 | U | Y | Y | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N | U |
| 6 | Brueren, 1996 | U | Y | Y | L | N | U | L | Y | Y | L | L | Y | Y | Y | N | L |
| 7 | Cesana G, 1991 | Y | Y | Y | L | N | Y | L | Y | N | L | L | Y | Y | Y | Y | L |
| 8 | Cooper, R, 1997 | U | Y | U | U | U | NA | U | Y | U | L | L | Y | Y | Y | U | L |
| 9 | Dieterle, 2010 | Y | Y | Y | L | U | Y | L | Y | U | L | L | U | Y | Y | Y | L |
| 10 | Elizabeth S. Ommen, 2007 | U | Y | Y | L | N | Y | L | Y | N | L | L | Y | Y | Y | Y | L |
| 11 | Enstrom I, 1992 | Y | Y | Y | L | N | Y | L | Y | U | L | L | Y | Y | Y | N | L |
| 12 | Hall, 1990 | U | Y | U | H | U | U | L | Y | N | L | H | N | Y | Y | N | L |
| 13 | Hond, 2002 | U | N | Y | L | U | Y | L | Y | U | L | L | U | Y | Y | Y | L |
| 14 | Imai, 1999 | U | Y | N | L | U | NA | L | Y | U | L | L | U | Y | Y | Y | U |
| 15 | Ishikawa, 2010 | Y | Y | Y | L | U | Y | L | Y | Y | L | L | U | Y | Y | N | L |
| 16 | Johansson, 2009 | Y | Y | Y | L | U | U | L | Y | U | L | L | U | Y | Y | N | L |
| 17 | Jula, 1999 | N | Y | Y | H | U | NA | L | Y | U | NA | L | U | Y | Y | Y | L |
| 18 | Kok, 1999 | U | Y | Y | L | U | U | L | Y | N | L | L | Y | Y | Y | Y | L |
| 19 | Lehmkhul, 2005 | N | Y | Y | H | U | U | H | Y | U | L | L | Y | Y | Y | Y | L |
| 20 | Lehmkuhl, 2005 | U | Y | Y | U | U | U | H | Y | Y | L | L | U | Y | Y | Y | L |
| 21 | Mancia, 2009 | Y | Y | U | U | U | U | L | Y | U | L | L | NA | Y | Y | Y | U |
| 22 | Mansoor, 2004 | U | Y | Y | L | U | Y | L | Y | U | L | L | U | Y | Y | Y | L |
| 23 | Mengden, 2000 | U | N | U | U | U | U | L | N | U | L | L | U | Y | Y | Y | U |
| 24 | Moller, 2003 | U | Y | Y | L | U | NA | L | Y | U | L | L | U | Y | Y | Y | L |
| 25 | Mueller U, 1997 | U | Y | Y | L | N | Y | L | Y | N | L | L | Y | Y | Y | Y | L |
| 26 | Mule, G, 2002 | U | Y | N | H | Y | NA | L | Y | Y | L | L | Y | Y | Y | Y | L |
| 27 | Myers, 2010 | Y | Y | NA | NA | U | U | L | NA | U | L | L | U | Y | Y | Y | U |
| 28 | Pannarale, 2004 | U | Y | Y | L | N | Y | L | N | Y | L | H | N | Y | Y | Y | H |
| 29 | Prasad, 1994 | U | N | Y | H | U | U | L | Y | U | L | L | Y | Y | Y | N | H |
| 30 | Prisant, 1992 | U | U | Y | L | U | U | L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 31 | Rogers, 2002 | Y | Y | Y | L | U | U | L | Y | U | L | L | Y | Y | Y | Y | L |
| 32 | Sang-Kyu Kim, 2011 | N | Y | U | U | N | Y | L | Y | N | L | L | Y | Y | Y | Y | L |
| 33 | Schettini, 1999 | Y | Y | Y | L | U | U | L | U | U | U | U | U | U | U | U | U |
| 34 | Sega, 1994 | Y | Y | Y | L | N | U | L | Y | N | L | L | Y | Y | Y | Y | L |
| 35 | Sega, 1997 | Y | Y | Y | L | NA | NA | L | Y | U | L | L | U | Y | Y | Y | U |
| 36 | Selenta, 2000 | U | Y | Y | L | U | Y | L | Y | U | L | L | Y | Y | Y | Y | L |
| 37 | Shimbo, 2009 | U | U | Y | U | U | U | L | Y | U | L | L | U | Y | Y | Y | U |
| 38 | Shimbo, D, 2007 | N | Y | N | H | U | Y | L | Y | U | L | L | Y | Y | Y | N | L |
| 39 | Stergiou, 2000 | U | Y | Y | U | U | U | L | Y | U | L | L | U | Y | Y | Y | U |
| 40 | Stergiou, 2002 | U | Y | Y | U | U | U | L | Y | N | L | L | U | Y | Y | Y | L |
| 41 | Stergiou, 2002 | U | Y | Y | U | U | U | L | NA | NA | NA | NA | U | NA | NA | N | L |
| 42 | Stergiou, 2004 | U | Y | U | U | NA | Y | L | Y | U | U | L | U | Y | Y | N | U |
| 43 | Stergiou, 2007 | U | Y | Y | L | U | U | L | Y | Y | L | L | U | Y | Y | U | U |
| 44 | Stergiou, 2010 | U | U | N | U | U | U | U | Y | U | U | L | U | Y | Y | Y | U |
| 45 | Stergious, 2010 | U | Y | Y | U | U | U | L | Y | U | L | L | U | Y | Y | Y | U |
| 46 | Vevoort, 1999 | U | N | Y | U | U | U | L | Y | U | L | U | U | Y | Y | Y | U |
| 47 | Viera, Anthony, 2010 | U | Y | Y | H | U | NA | L | Y | U | L | L | Y | Y | Y | Y | U |
| 48 | White, WB, 1994 | U | Y | Y | U | Y | Y | L | Y | U | NA | L | U | NA | Y | Y | L |
| 49 | Zachariah, 1990 | U | Y | Y | U | N | U | L | U | Y | H | H | U | Y | Y | Y | L |
|  | | | | | | | | | | | | | | | | | |

\(^a\) For responses, Y=Yes, N=No, U=Unclear, H=High, L=Low.

For questions as defined in [QUADAS-2](http://annals.org.libproxy.lib.unc.edu/article.aspx?articleid=474994),

Random = Was a consecutive or random sample of patients enrolled?,

Case-control = Was a case-control design avoided?, Exclusion = Did the study avoid inappropriate exclusions?,

Selection = Could the selection of patients have introduced bias? (RISK),

Knowledge-index = “Were the index test results interpreted without knowledge of the results of the reference standard?”,

Threshold = If a threshold was used, was it pre-specified?,

Concern-index = Is there concern that the index test, it’s conduct or interpretation different from the review question (CONCERN)?,

Reference standard = Is the reference standard likely to classify the target condition?,

Knowledge-reference = Were the reference standard results interpreted without knowledge of the results of the index test?,

Bias-index = Could the conduct or interpretation of the index test have introduced bias (RISK)?,

Reference-match = Is there concern that the target condition as defined by the reference standard does not match the review question?,

Interval = Was there an appropriate interval between index tests and reference standard?,

Reference-all = Did all patients receive a reference standard?,

Reference-same = Did patients receive the same reference standard?,

Include-all = Were all patients included in the analysis?, Flow = Could the patient flow have introduced bias (RISK)?

# 9 Table 9

**Table 9. Reproducibility**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | **Ambulatory** | |  | **Clinic** | |  | **Home** | |  | **Other** | |
| **Author, year** | **How far apart?** |  | **Count** | **Mean** |  | **Count** | **Mean** |  | **Count** | **Mean** |  | **Count** | **Mean** |
| Bottini, 1992 | 1 |  |  |  |  |  |  |  |  |  |  | NA | NA |
| Cooper, R, 1997 | 2 |  | Not specified | 140/90 (24 hour) |  | 20 | 148/93 |  | 20 | 141/87 |  | NA | NA |
| Lehmkuhl, 2005 | 2 |  | 4-24 hour measurements | control 138 |  | 6 measurements 3 on one day and 3, 3 days later | 141/92 |  |  |  |  | NA | NA |
| Prasad, 1994 | 1 |  |  | day 1 day 137.7 day 2 daytime 136.0 |  |  |  |  |  |  |  | NA | NA |
| Prisant, 1992 |  |  | every 15 mins for 24 hours |  |  |  |  |  |  |  |  | NA | NA |
| Ronald H.J. Kok, 1999 |  |  | every 30 mins for 24 hours | 137/8124 hours 142/85 awake |  | 2 |  |  | 27 | 148/85 |  | NA | NA |
| Stergiou, 2000 |  |  | 72 | 139.5/91.4 |  |  |  |  | 24 | 138.7/89.3 |  | 72 | 139.1/90.9 |
| Urs Mueller, 1997 | 0 |  | 15 mins interval 6a-6p |  |  | 3 mins interval x 30-45 mins |  |  |  |  |  | NA | NA |
| Viera, Anthony, 2010 | 7 |  | 41 | First daytime: 152/90; Second daytime: 148/88 |  | 12 | Visit 1: 137/83; Visit 3: 135/81 |  | 30 | First: 135/83; Second: 134/82 |  | NA | NA |
|  | | | | | | | | | | | | | |

# 10 Table 10, summary of exclusion status, including papers that did not have an exclusion field (entered before 10/13/2015)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **original exclude value** | **revised exclude value** | **Exclude update, indicator** | **id** | **Author, Year** |
| 1. **Exclude, updated\(^a\)** | | | | |
| 1 |  | Yes | 12368 | Zachariah, 1990 |
| 1. **Exclude, original** | | | | |
| 0 | Yes | Yes | 10484 | Larkin, 2007 |
| 0 | Yes | Yes | 10164 | Niiranen, 2010 |
| 0 | Yes | Yes | 10924 | Gerin, 2001 |
| 0 | Yes | Yes | 11133 | Brueren, 1998 |
| 0 | Yes | Yes | 10633 | Graves, 2005 |
| 0 | Yes | Yes | 10517 | De Tuero, 2006 |
| 0 | Yes | Yes | 10659 | BenDov, 2005 |
| 0 | Yes | Yes | 10702 | Giuseppe Pannarale, 2004 |
| 0 | Yes | Yes | 11595 | Chatzistamatiou, 2012 |
| 0 | Yes | Yes | 11378 | Enstrom, 1992 |
| 0 | Yes | Yes | 10970 | Sega, 2001 |
| 0 | Yes | Yes | 11263 | Verdecchia, 1995 |
| 0 | Yes | Yes | 11423 | Julius, 1992 |
| 0 | Yes | Yes | 11457 | Spence, 1990 |
| 0 | Yes | Yes | 11515 | Hall, 1990 |
| 0 | Yes | Yes | 11555 | Edwards, 2013 |
| 1. **Keep, updated\(^a\)** | | | | |
| 1 |  | No | NA | Johansson, 2009 |
| 1 |  | No | 3075 | Rogers, 2002 |
| 1 |  | No | 3077 | Al-Husainy, 2005 |
| 1 |  | No | 12104 | Aihara, 1998 |
| 1 |  | No | 3186 | Moller, 2003 |
| 1 |  | No | 11037 | Christopher Selenta, 2000 |
| 1 |  | No | 10714 | George Mansoor, 2004 |
| 1 |  | No | 11098 | Jula, 1999 |
| 1 |  | No | 11099 | Ronald H.J. Kok, 1999 |
| 1 |  | No | 10444 | Ommen, 2007 |
| 1 |  | No | 10462 | Stergiou, 2007 |
| 1 |  | No | 10208 | Zhou, 2009 |
| 1 |  | No | 10845 | Hond, 2003 |
| 1 |  | No | 10566 | Aksoy, 2006 |
| 1 |  | No | 12146 | Cooper, R, 1997 |
| 1 |  | No | 11782 | Shimbo, D, 2007 |
| 1. **Keep, original** | | | | |
| 0 | No | No | 3090 | Bottini, 1992 |
| 0 | No | No | 10165 | Dieterle, 2010 |
| 0 | No | No | 10122 | Viera, Anthony, 2010 |
| 0 | No | No | 10952 | Stergiou, 2002 |
| 0 | No | No | 10146 | Stergiou, 2010 |
| 0 | No | No | 12340 | Giancarlo Cesana, 1991 |
| 0 | No | No | 11122 | Vevoort, 1999 |
| 0 | No | No | 11082 | Imai, 1999 |
| 0 | No | No | 10787 | Stergiou, 2004 |
| 0 | No | No | 10253 | Shimbo, 2009 |
| 0 | No | No | 11697 | Mancia, 2009 |
| 0 | No | No | 10175 | Myers, 2010 |
| 0 | No | No | 12057 | Mengden, 2000 |
| 0 | No | No | 11383 | Inger Enstrom, 1992 |
| 0 | No | No | 11013 | Stergiou, 2000 |
| 0 | No | No | 3323 | Schetini, 1999 |
| 0 | No | No | 12234 | Sega, 1994 |
| 0 | No | No | 10657 | Lehmkuhl, 2005 |
| 0 | No | No | 11173 | Sega, 1997 |
| 0 | No | No | 11587 | Andreadis, Emmanuel, 2012 |
| 0 | No | No | 10934 | Mule, 2002 |
| 0 | No | No | 11171 | Brueren, 1997 |
| 0 | No | No | 12249 | White, WB, et al, 1994 |
| 0 | No | No | 11415 | Prisant, 1992 |
| 0 | No | No | 10569 | Bayo, 2006 |
| 0 | No | No | 11281 | Prasad, 1994 |
| 0 | No | No | 11629 | Sang-Kyu Kim, 2011 |
| 0 | No | No | 11657 | Ishikawa, 2010 |
| 0 | No | No | 12145 | Urs Mueller, 1997 |
|  | | | | |

\(^a\) These records were entered prior to 10/13/2015. They are considered for inclusion after evaluating presence of values entered for relevant tables.

# 11 Table 11, table with reasons for exclusions

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **Reason for exclusion** | **Revised exclude value** | **Author, Year** |
| 10164 |  | Yes | Niiranen, 2010 |
| 10484 | Analyses only included regression results. No data available for Part G forms. | Yes | Larkin, 2007 |
| 10517 | Data not extractable for comparisons | Yes | De Tuero, 2006 |
| 10633 | It is unclear whether or not they were on HTN medications. I suspect some or all were as they were referred to Nephrology and HTN Specialty Clinic. Also, the study examined 6-h monitoring, which is not the standard approach. | Yes | Graves, 2005 |
| 10659 | NA | Yes | BenDov, 2005 |
| 10702 | This study assesses the predictive value of abpm for the development of drug-treated hypertension in subjects. It is not comparing 2 methods or reliability of abpm per se. | Yes | Giuseppe Pannarale, 2004 |
| 10924 | No data to extract for section G tables, including means. | Yes | Gerin, 2001 |
| 10970 | Comparisons were between 1) clinic and abpm and 2) clinic and home. Clinic measurements were by mercury sphygmomanometer so does not fit requirements. | Yes | Sega, 2001 |
| 11133 |  | Yes | Brueren, 1998 |
| 11263 |  | Yes | Verdecchia, 1995 |
| 11378 | Cannot extract data for tables in part G data tables. 1) office-BP compared to amb-BP with linear regression models (not clear how office-BP was measured   - may be mercury). No counts given. 2) home BP only done with a subset of the sample (borderline hypertensive group) | Yes | Enstrom, 1992 |
| 11423 | No data to extract for tables in part G. The normotensive group were categorized according to clinic blood pressure only. No additional strata within this group according to home blood pressure monitoring status. | Yes | Julius, 1992 |
| 11457 | Office measurements were mercury | Yes | Spence, 1990 |
| 11515 | Mean of 14 days between measurement but ranged from 8 to 50 | Yes | Hall, 1990 |
| 11555 | There is no specific blood pressure threshold given for the comparison between office and ABPM. Instead, the categories are AOBP-ABPM>10 mm Hg (White coat effect) or ABPM-AOBP > 10 mm Hg (masked effect). Because of this classification I assume I cannot extract data for the tables in part G. | Yes | Edwards, 2013 |
| 11595 | NA | Yes | Chatzistamatiou, 2012 |
| 12368 |  | Yes | Zachariah, 1990 |
|  | | | |

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