

Appendix 3: Data Extraction Sheet

Name of reviewer

Date of review

A. Details of the Paper

1. ID number of paper

2. Author

3. Title

4. Year

5. Source (e.g. journal title, website)

6. Identification of report

Electronic database (please specify)

Citation

Contact

Other/ Unknown

7. Status

Published

In press

Unpublished

B. Population of the Study

1. Country of study

2. Age of the population group (please specify mean age if recorded)

3. Gender of the population group

Males: Females:

4. Ethnicity of the population group

5. Any other important details about the population group

6. Inclusion criteria

7. Exclusions

8. Setting for monitoring (office/ clinic reading)

- Primary care
- Secondary care
- Other (please specify)

C. Methodological Quality of the Study

1. What was the sampling frame?

- General population screening/ everyone on practice list
- Primary care subgroup considered at risk of hypertension
- Secondary care subgroup considered at risk of hypertension

Please specify details of the subgroup if relevant

2. How were the participants selected?

- Consecutively
- Randomly
- Neither consecutively nor randomly
- Unsure (please specify)

3. What was the planned sample size?

4. What is the proportion of those selected for the study that actually completed the study with full follow up data (i.e. actual sample size)?

5. Do the authors provide any information on whether and/or how those who dropped out of the study differ from those who remained in the study?

- N/A (no drop outs)
- Yes
- No

6. Design of study

- Cross-sectional
- Other design (please specify)

7. Did either the whole sample, or a random selection of the sample, receive the same comparison measurement tests?

- Yes
- No
- Unclear

8. Were patients subject to the same comparison measurement tests regardless of the result of the initial measurement test?

- Yes

No
 Unclear

9. Were those taking BP measurements blinded to the previous results of BP monitoring?

Yes
 No
 Unsure

10. Were patients blinded to the previous results of BP monitoring?

Yes
 No
 Unsure

11. Were uninterpretable measurement results reported to avoid exclusion bias?

Yes
 No
 Unclear

D. Details of the Intervention

1. Comparison

Clinic vs. Home
 Clinic vs. Ambulatory
 Home vs. Ambulatory
 Clinic vs. Home vs. Ambulatory
 Other comparison of BP measurements (please specify)

2. Details of the monitoring.

	Clinic	Ambulatory	Home
Definition of monitoring used			
Frequency of measurement			
Number of measurements used			
Who carried out the monitoring			
Types of monitor used			
Time of day of measurement			
Which arm was used			
Was the patient rested before measurement			

Summary statistic used in each measurement			
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3. Was the execution of the tests described in sufficient detail to permit replication of the test?

- Yes
- No
- Unclear

4. What was the order of the measurements?

- Randomised
- Set pattern
- Other (please specify)

5. What was the time period between the different methods of measurements?

6. For home readings, how were these checked for accuracy?

- Patient-recorded
- Use of memory function on device
- Telemonitoring
- Other (please specify)
- N/A (no home monitoring)

7. Threshold used to diagnose hypertension

Clinic

Ambulatory

Home

8. Was calculation of risk taken into account in deciding the appropriate threshold to use?

- Yes (please specify)
- No

9. Was any sensitivity analysis using different thresholds carried out?

- Yes (please specify)
- No

10. What are the results of the study as reported by the authors? (Please give details - numbers of patients with percentages in parentheses in each cell in the table - as these relate to the performance characteristics of the 3 BP monitoring methods in 2x2 tables, adding in the threshold used, and refer to page numbers in the report of the study where necessary)

Clinic vs. Home

Threshold used for clinic:

Threshold used for home:

Hypertensive?	Clinic Yes	Clinic No	Total
Home Yes			
Home No			
Total			

Clinic vs. Ambulatory

Threshold used for clinic:

Threshold used for ambulatory:

Hypertensive?	Clinic Yes	Clinic No	Total
Ambulatory Yes			
Ambulatory No			
Total			

Ambulatory vs. Home

Threshold used for ambulatory:

Threshold used for home:

Hypertensive?	Ambulatory Yes	Ambulatory No	Total
Home Yes			
Home No			
Total			

If a sensitivity analysis using different diagnostic thresholds was carried out, please input the results of this below:

Clinic vs. Home

Threshold used for clinic:

Threshold used for home:

Hypertensive?	Clinic Yes	Clinic No	Total
Home Yes			
Home No			
Total			

Clinic vs. Ambulatory

Threshold used for clinic:

Threshold used for ambulatory:

Hypertensive?	Clinic Yes	Clinic No	Total
Ambulatory Yes			
Ambulatory No			
Total			

Ambulatory vs. Home

Threshold used for ambulatory:

Threshold used for home:

Hypertensive?	Ambulatory Yes	Ambulatory No	Total
Home Yes			
Home No			
Total			

11. What was the mean blood pressure across all the included participants? (Please include sensitivity analysis results if available)

Clinic

Ambulatory

Home

12. Are sensitivity and specificity data quoted in the paper?

Yes (please specify page ref)

No