Table 25. Ambulatory (daytime) vs. office, fatal and nonfatal strokes, results of included studies for Key Question 3a

| BP | Study, Quality | Country | N BL | Number of Events | % HTN at BL, % Treated | Mean BL Office SBP/DBP(mm Hg) | Mean follow-up (y) | Cox regression model, BP variable increment | ABPM (day)HR (95% CI) | ABPM (day)HR (95% CI), adj. for OBPM | OBPMHR (95% CI) | OBPMHR (95% CI), adj. for ABPM (day) | Additional model covariates‡ |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Systolic | Mesquita-Bastos, 2010122Fair | Portugal | 1200 | 79\* | 100 52.42 | 154.85/95.27 | 8.2 | 1 SD | NR | 1.58 (1.22 to 2.04) | NR | NR | BMI, DM, anti-HTN treatment, OBPM |
| Ohkubo, 2005125Good | Japan | 1332 | 112 | 15.17 30.41 | 131.2/74.1 | 10.2 | 10 mm Hg | NR | 1.37 (1.19 to 1.57) | NR | 1.03 (0.93 to 1.15) | DM, history of CVD, anti-HTN treatment, hypercholester-olemia |
| Staessen, 1999126Good | Multi-national (western and eastern Europe) | 808 | 30 | 100 42.6 | 173.3/86.0 | 4.4 | 10 mm Hg | 1.30 (1.05 to 1.62) | 1.25 (0.97 to 1.61) | 1.29 (0.98 to 1.71) | NR | Previous CV complications, residence in western Europe |
| Dolan, 2005116Fair | Ireland | 5292 | 103† | 100 0 | 162.3/93.1 | 7.9 | 10 mm Hg | 1.18 (1.08 to 1.30)† | 1.17 (1.05 to 1.30)† | 1.07 (1.00 to 1.15) | NR | BMI, DM, history of CV events, OBPM |
| Diastolic | Mesquita-Bastos, 2010122Fair | Portugal | 1200 | 79\* | 100 52.42 | 154.85/95.27 | 8.2 | 1 SD | NR | 1.66 (1.18 to 2.34) | NR | NR | BMI, DM, anti-HTN treatment, OBPM |
| Ohkubo, 2005125Good | Japan | 1332 | 112 | 15.17 30.41 | 131.2/74.1 | 10.2 | 10 mm Hg | NR | 1.67 (1.33 to 2.10) | NR | 1.06 (0.90 to 1.26) | DM, history of CVD, anti-HTN treatment, hypercholesterol-emia |
| Dolan, 2005116Fair | Ireland | 5292 | 103† | 100 0 | 162.3/93.1 | 7.9 | 5 mm Hg | 1.09 (1.01 to 1.17)† | 1.07 (0.99 to 1.16)† | 1.06 (0.99 to 1.12) | NR | BMI, DM, history of CV events, OBPM |

\*Strokes also available by hemorrhagic, ischemic, and undetermined type

†Fatal strokes only

‡All adjusted for age, sex, and smoking. All covariates are from the model adjusted for ABPM (daytime) or OBPM.

**Abbreviations**: ABPM = ambulatory blood pressure measurement; addtl = additional; adj = adjusted; BL = baseline; BMI = body mass index; BP = blood pressure; CI = confidence interval; CV = cardiovascular; day = daytime; DBP = diastolic blood pressure; DM = diabetes mellitus; HTN = hypertension; HR = hazard ratio; MI = myocardial infarction; mm Hg = millimeters of mercury; NR = not reported; OBPM = office blood pressure measurement; SBP = systolic blood pressure