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 | OBPM  HR (95% CI) | OBPM  HR (95% CI), adj. for ABPM (day) | Additional model covariates‡ |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Systolic | Mesquita-Bastos, 2010122  Fair | 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, 2005125  Good | 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, 1999126  Good | 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, 2005116  Fair | 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, 2010122  Fair | 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, 2005125  Good | 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, 2005116  Fair | 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