Table D16. Medication adherence subgroup outcomes, part 2

| **Author, Year**  **Trial name** | **Subgroup** | **Specific Subgroup** | **Medication Adherence Outcome 1 for subgroup** | **Description of Timing of Measurement of Adherence Outcome** | **Data Source** | **N** | **Results** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bogner et al., 20084 NA | Hypertension comorbidity | Hypertension comorbidity | Hypertension adherence: % of prescribed doses taken; calculated as number of doses taken divided by the number  of doses prescribed during the observation period multiplied by 100% - dichotomized with 80% threshold | Measured over 6 week study period for entire study period | MEMS | G1: 32 G2: 32 | G1: 25 (78.1) G2: 10 (31.3) 95% CI,  p: <.001 |
| Bogner et al., 20105 NA | Older African American primary care patients | Older African American primary care patients | >80% adherence to an antidepressant | 4 times, biweekly beginning at baseline and ending at week 6 | MEMS | G1: 29 G2: 29 | **BL** G1: 8 (27.6%) G2: 4 (13.8%) 95% CI, NR p: 0.17  **EP at 6 weeks** G1: 18 (62.1%) G2: 3 (10.3%) 95% CI, NR p: <0.001 |
| Katon et al., 199625 NA | Major depression | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction |
| Katon et al., 199926 NA  Katon et al., 200227 NA | Severity of Depression  (reported in 3169 Katon) | Moderate depression (defined as SCL-20 score between 1.0-2.0) | Adherence to adequate dosage of antidepressants for at least 90 days out of previous six months, measured twice at 6 & 12 months | Timeframe: six months; measured twice, at 6 months and 12 months after study began | PRD | Overall N: 149 G1: NR G2: NR | **6 months**: G1: 76% G2: 46% Chi-square (1)= 6.10 p: < 0.05  **12 months**: NR "Similar, but nonsignificant, trends were observed for the second 6-month block."  For 18-, 24- and 30-months: "the percentages were very similar for the treatment groups" |
| Lee et al., 200631 FAME | Elderly (≥65 years old) | Elderly (≥65 years old) | ≥80% adherence to all medications, % | last 2 months; 4 times (including baseline at 8 months); 2 months | Pill count | G1: 77 G2: 69 | G1: 97.4 G2: 21.7 95% CI, NR p<0.001 |
| Lin et al., 200632 NA | Depression comorbidity | Depression comorbidity | Adjusted mean difference in percentage of days nonadherent (baseline minus endpoint) | NA | PRD | Oral hypoglycemic agent **BL** G1: 103  G2: 103 Endpoint G1: 103 G2: 103  ACE inhibitor **BL** G1: 54 G2: 65  **EP** G1: 59 G2: 52  Lipid-lowering agent **BL** G1: 50 G2: 52  **EP** G1: 54 G2: 63 | **Oral hypoglycemic agent** (%) = -6.3% 95% CI, -11.91 to  -0.71  p: NS  **ACE inhibitor** (%) =  -2.5% 95% CI, -8.69 to 3.70 p: NS  **Lipid-lowering agent** (%) = -0.2 95% CI, -7.23 to 6.76 p: NS |
| Pyne et al., 201141 HIV Translating Initiatives for Depression Into Effective Solutions (HITIDES) | Entire study is conducted in subgroup with HIV comorbidity | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction |
| Rich et al., 199642 NA | Elderly (≥70 years old) | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction |
| Schneider et al., 200849 NA | Elderly (≥65 years old) | Elderly (≥65 years old) | Medication possession ratio (sum of day's supply for all rxs received during the study divided by the number of days between the dates of the 1st and last rx dispensing) | Calculated for all previous months at 6 month and 12 month follow-ups | PRD | G1: 47 G2: 38 | Mean (SD) G1: 0.93 (11.4) G2: 0.87 (14.2) 95% CI,  p: 0.039 |
| Zhang et al., 201067 N/A | Elderly (≥65 years) | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction | See main outcomes abstraction |