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., 20084NA | 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: 32G2: 32 | G1: 25 (78.1)G2: 10 (31.3)95% CI, p: <.001 |
| Bogner et al., 20105NA | 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: 29G2: 29 | **BL**G1: 8 (27.6%)G2: 4 (13.8%)95% CI, NRp: 0.17**EP at 6 weeks**G1: 18 (62.1%)G2: 3 (10.3%)95% CI, NRp: <0.001 |
| Katon et al., 199625NA | 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., 199926NAKaton et al., 200227NA | 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: 149G1: NRG2: NR | **6 months**:G1: 76%G2: 46%Chi-square (1)= 6.10p: < 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., 200631FAME | 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: 77G2: 69 | G1: 97.4G2: 21.795% CI, NRp<0.001 |
| Lin et al., 200632NA | Depression comorbidity | Depression comorbidity | Adjusted mean difference in percentage of days nonadherent (baseline minus endpoint) | NA | PRD | Oral hypoglycemic agent**BL**G1: 103 G2: 103EndpointG1: 103G2: 103ACE inhibitor**BL**G1: 54G2: 65**EP**G1: 59G2: 52Lipid-lowering agent**BL**G1: 50G2: 52**EP**G1: 54G2: 63 | **Oral hypoglycemic agent** (%) = -6.3%95% CI, -11.91 to -0.71 p: NS**ACE inhibitor** (%) = -2.5%95% CI, -8.69 to 3.70p: NS**Lipid-lowering agent** (%) = -0.295% CI, -7.23 to 6.76p: NS |
| Pyne et al., 201141HIV 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., 199642NA | 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., 200849NA | 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: 47G2: 38 | Mean (SD)G1: 0.93 (11.4)G2: 0.87 (14.2)95% CI, p: 0.039 |
| Zhang et al., 201067N/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 |