**ONLINE-ONLY SUPPLEMENTAL MATERIAL**

**Supplementary Table 1: Additional Baseline Clinical Characteristics by Treatment Group.** Values presented as mean (SD).



AP-Treated = Antipsychotic-treated youth undergoing weekly weight loss treatment; RC = antipsychotic-treated youth undergoing monthly Recommended Care; NP = nonpsychiatric youth undergoing weekly weight loss treatment; BMI = Body Mass Index; DEXA = Dual-Energy X-Ray Absorptiometry; PDDF = Hepatic Proton Density Fat Fraction; CIMT = Carotid Intima-Media Thickness.

**Supplementary Table 2: Change in Additional Metabolic and Behavioral Measures by Treatment Group**

\*Main Effect of Treatment Group



\*Results obtained from an ANCOVA Model; AP-Treated = Antipsychotic-treated youth undergoing weekly weight loss treatment; RC = antipsychotic-treated youth undergoing monthly Recommended Care; NP = nonpsychiatric youth undergoing weekly weight loss treatment; aBody Mass Index; bDual-Energy X-Ray Absorptiometry; cHigh-Density Lipoproteins; dLow-Density Lipoproteins; eInternational Physical Activity Questionnaire.