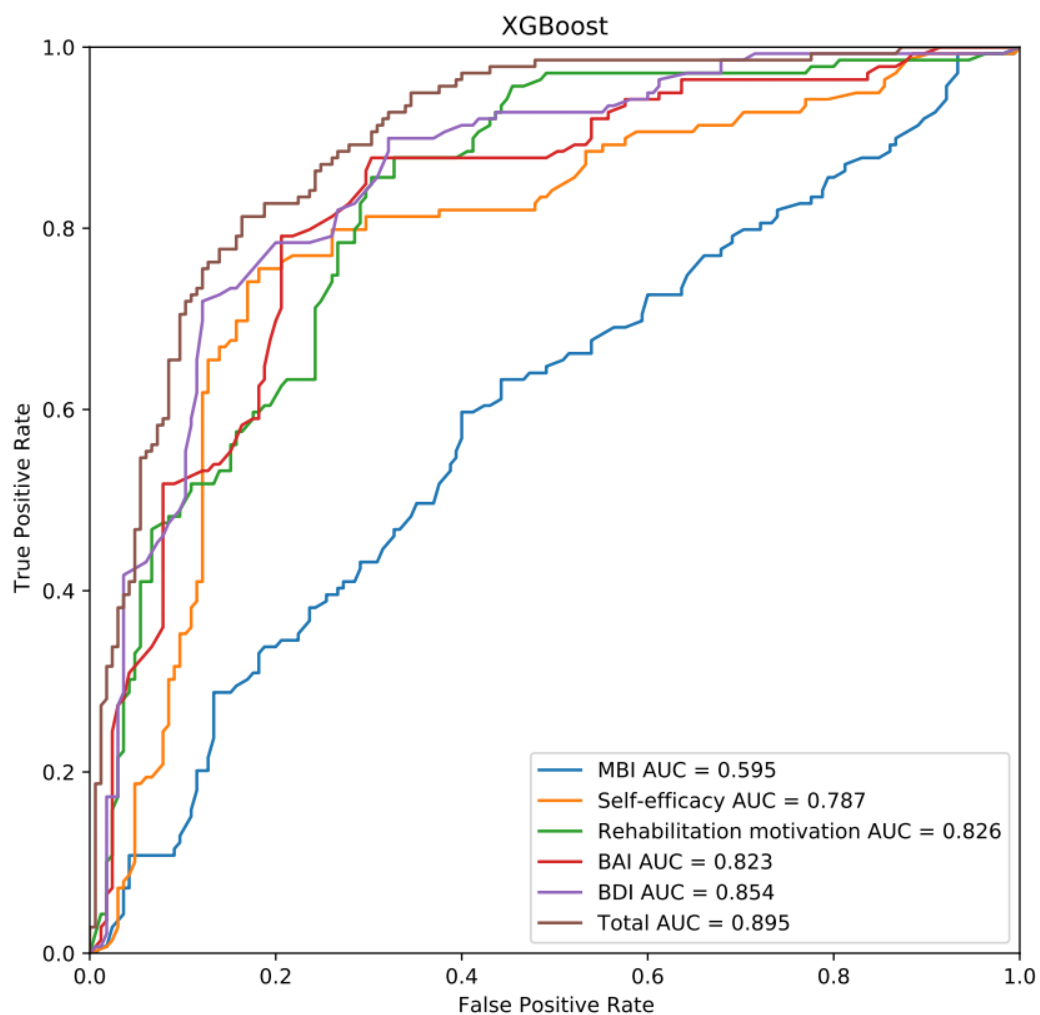
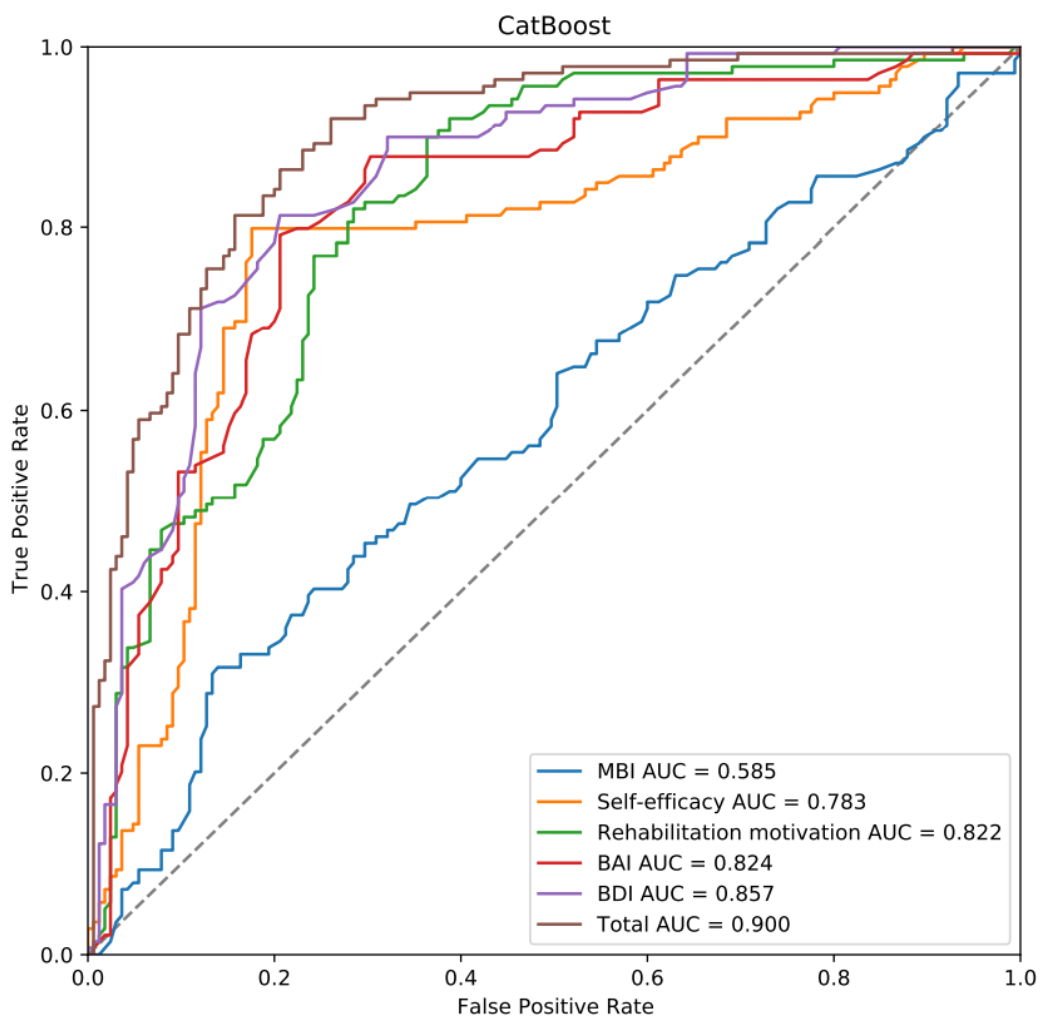
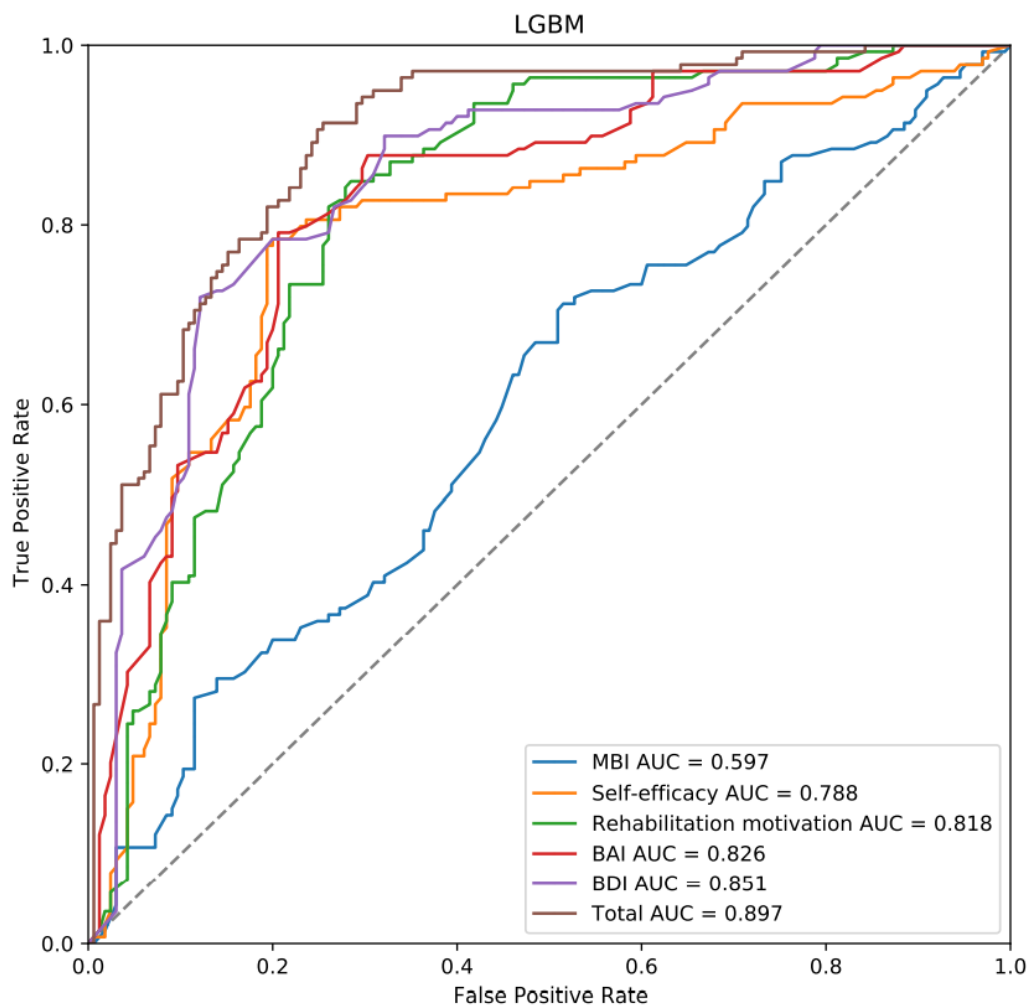


**Supplementary information 2.****Figure 1.** Xgboost model ROC curve graph

Abbreviations: MBI, modified bathel index; BAI,beck anxiety inventory; BDI, beck depression inventory

**Supplementary information 2.****Figure 2.** CatBoost model ROC curve graph

Abbreviations: MBI, modified bathel index; BAI,beck anxiety inventory; BDI, beck depression inventory

**Supplementary information 2.****Figure 3.** Light GBM (LGBM) model ROC curve graph

Abbreviations: MBI, modified bathel index; BAI,beck anxiety inventory; BDI, beck depression inventory