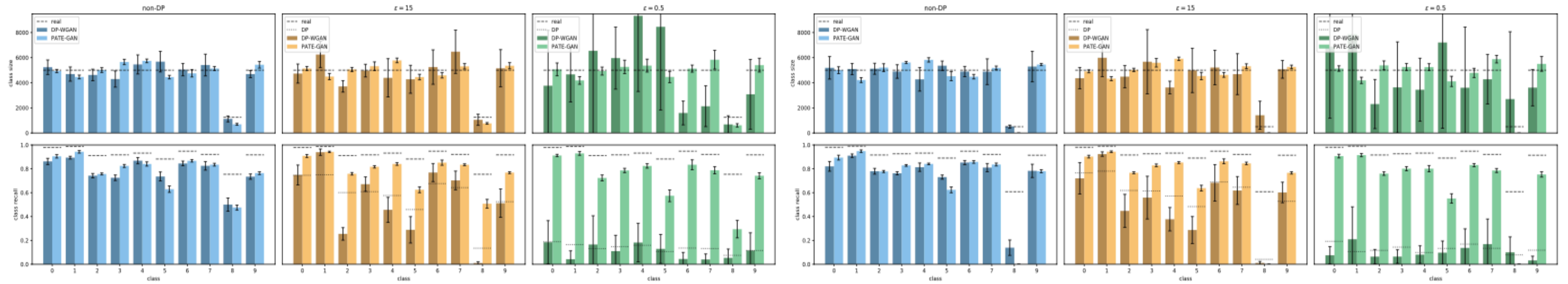


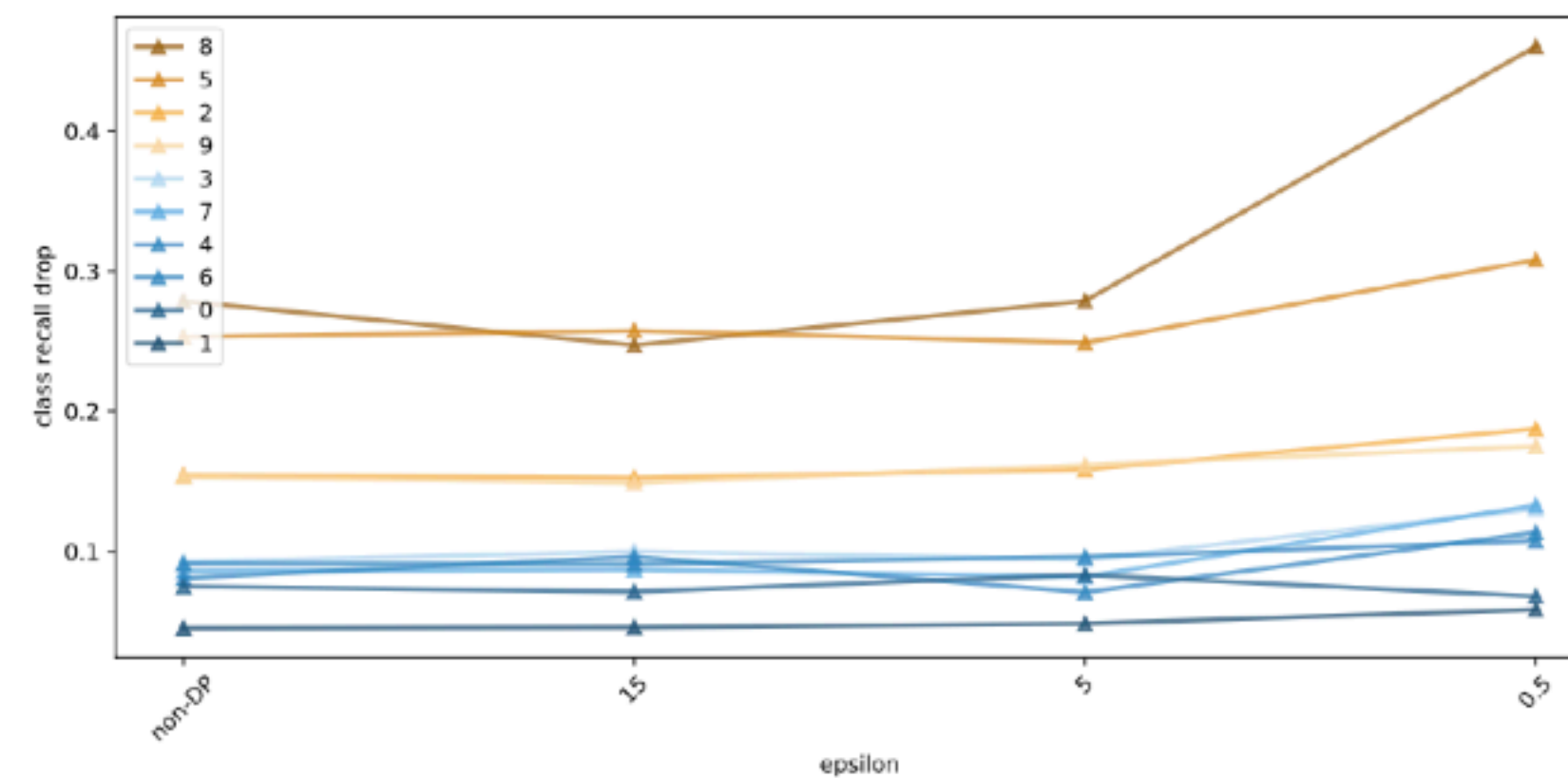
# S2: Multi-Class Size, Precision, and Recall



(a) DP-WGAN and PATE-GAN with imbalance 0.25

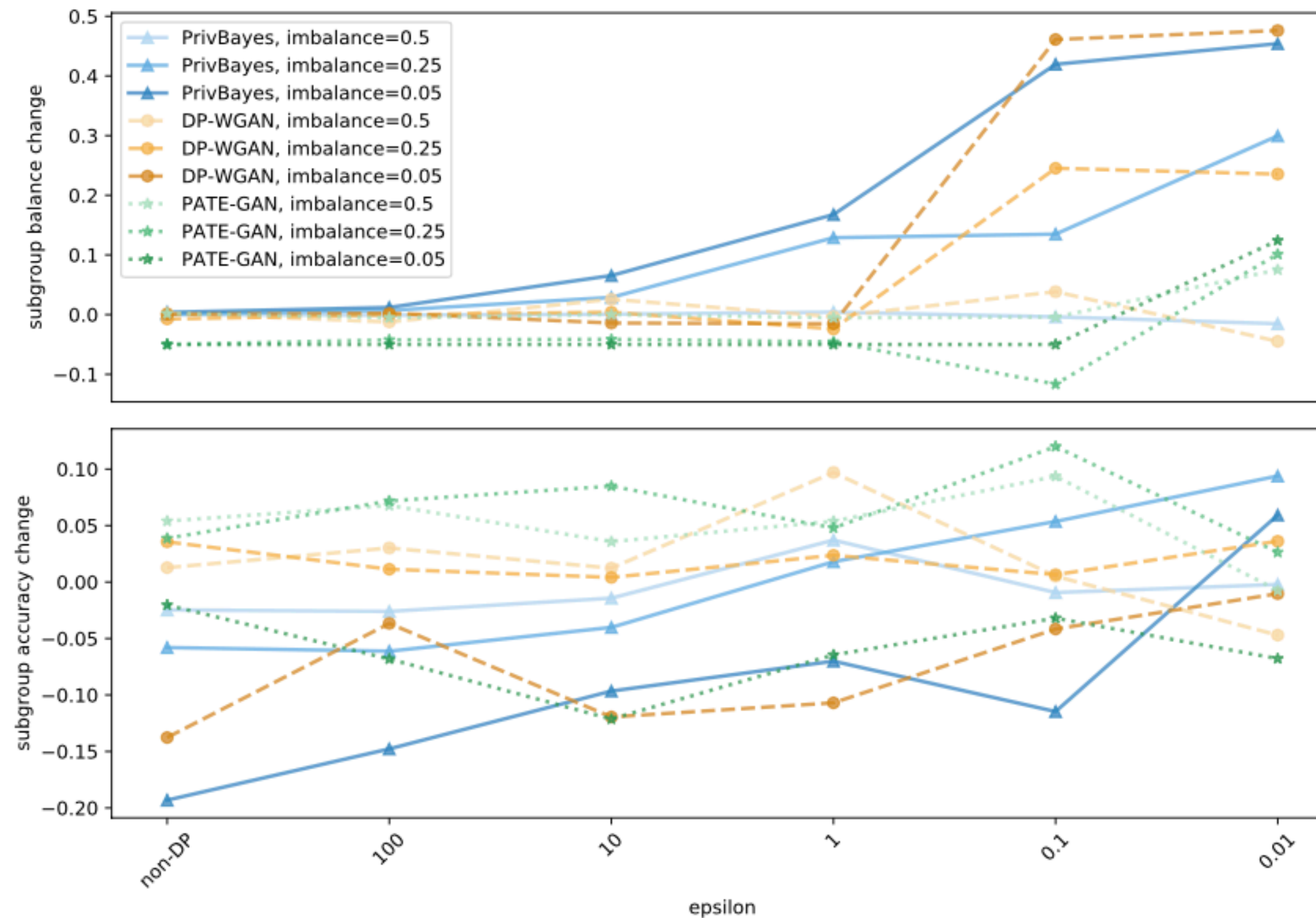
(b) DP-WGAN and PATE-GAN with imbalance 0.1

**Figure 4:** Synthetic data class (multi-class) size (top), real, DP and synthetic classifiers recall (bottom) for different imbalance of class “8” and levels of  $\epsilon$ , *MNIST*.



**Figure 9:** PATE-GAN synthetic classifier class recall drop vs  $\epsilon$ , *MNIST* with 0.25 imbalance of class “8.”

# S3: Single-Attribute Subgroup Size and Accuracy



**Figure 5:** Minority single-attribute (sex) subgroup imbalance level change (top), minority subgroup drop in accuracy vs. majority (bottom) for different subgroup imbalance and  $\epsilon$  levels, *Texas*.