DRG ID 2459: HIP JOINT REPLACEMENT Predicted vs. Observed Cost vs Uncertainty in Predictions Evaluating fine-tuned LGBMRegressor on test set (n=237)Perfect Calibration Calibration Curve Prediction Interval Length (CQR) Observed Cost (Cost\_Direct\_Scaled) Test performance R<sup>2</sup>: 2.71% RMSE: 0.88 Intercept: 0.11 Slope: 0.76 

**Predicted Cost**