

S7 Table. Performance of machine learning models for classifying RXD use using PIR

Model	With only demographic variables as predictors					After adding “DS use” as a predictor				
	Accuracy	Precision	Recall	F1	AUROC	Accuracy	Precision	Recall	F1	AUROC
Logistic Regression	0.743	0.772	0.75	0.76	0.816	0.743	0.769	0.756	0.762	0.818
Naïve Bayes	0.737	0.756	0.766	0.76	0.81	0.736	0.755	0.763	0.759	0.809
Random Forest	0.736	0.755	0.764	0.76	0.809	0.734	0.75	0.769	0.759	0.803
SMO (SVM)	0.716	0.749	0.722	0.74	0.716	0.716	0.749	0.722	0.735	0.716