

	Best Model	Type of Tuning	R²	MAE	MSE	RMSE	Tuned Parameter values
COPD	Random Forest	Randomized	0.571	1.25	2.94	1.72	max_depth=27, n_estimators=409
Asthma	XGBoost	Bayesian search	0.564	0.756	1.07	1.03	min_child_weight=32, max_depth=137, gamma=1
CHD	Random Forest	Randomized	0.514	0.979	1.95	1.40	max_depth=24, n_estimators=373
Stroke	Random Forest	none	0.509	0.592	0.732	0.856	
Kidney	Random Forest	Randomized	0.474	0.434	0.389	0.624	max_depth=28, n_estimators=376
Cancer	Random Forest	none	0.457	0.942	1.82	1.35	