

LIBRARY OF MODELS

MODEL TYPE	MODEL NAME	METHODOLOGY	INPUT REQUIRED	CONCURRENT	PROSPECTIVE	OUTCOME	USE
COMMERCIAL AND MEDICAID POPULATIONS							
Risk Adjuster	RxXPLN	Regularized Regression	Demographics Pharmacy	✓	✓	Risk Scores	When your application needs an early indication of risk. Best for new enrollment, or when medical data is incomplete.
	DxXPLN		Demographics Medical	✓	✓	Risk Scores Clinical Conditions	Best when your application needs to avoid influence of drug utilization, such as profiling providers, risk based payment where pharmacy services are excluded from capitation and risk management outcomes.
	CxXPLN		Demographics Medical Pharmacy	✓	✓	Risk Scores Clinical Conditions	Best performance. Use for care management, identification, segmentation by risk strata.
	RxOPTml	Optimized Machine Learning	Demographics Pharmacy	✓	✓	Risk Scores	Optimized for best possible predictions. Machine learning models have higher performance. Use when the application does not require a transparent explanation.
	DxOPTml		Demographics Medical	✓	✓	Risk Scores Clinical Conditions	
	CxOPTml		Demographics Medical Pharmacy	✓	✓	Risk Scores Clinical Conditions	
MEDICARE POPULATIONS							
Risk Adjuster	MCRRxXPLN	Regularized Regression	Demographics Pharmacy	✓	✓	Risk Scores	Similar to the commercial versions. Service categories include Total plus Rx, Part B Rx, IP, OP, ER, PHYS, PCP, Other Med
	MCRDxXPLN		Demographics Medical	✓	✓	Risk Scores Clinical Conditions	
	MCRCxXPLN		Demographics Medical Pharmacy	✓	✓	Risk Scores Clinical Conditions	
	MCRRxOPTml	Optimized Machine Learning	Demographics Pharmacy	✓	✓	Risk Scores	
	MCRDxOPTml		Demographics Medical	✓	✓	Risk Scores Clinical Conditions	
	MCRCxOPTml		Demographics Medical Pharmacy	✓	✓	Risk Scores Clinical Conditions	
MARA MODELS AND TOOLS FOR POPULATION ANALYTICS, MEMBER SEGMENTATION, CASE MANAGEMENT							
Model	Rising Risk	Predictive Model	Rising Risk + CxXPLN		✓	Member Rising Risk Identification; Risk Strata	Early indicator of rising risk
Segmentation Grouper	Chronic / Non-Chronic	Grouper	All medical models	For concurrent or prospective results		Groups MARA Conditions into Chronic/Non-Chronic Conditions Based on AHRQ	Segment chronic members for DM programs
Segmentation Grouper	Complexity Indicators	Grouper	All medical models	For concurrent or prospective results		Member Complex Conditions	Identify and segment clinically complex cases
HEALTH EXCHANGE POPULATIONS							
Risk Adjuster	Federal HHS-HCC	HCC	Demographics Medical Pharmacy	✓		Risk Scores by Metal Level, HCCs, RXCs, Demographic Components	MARA implementation handles data without pre-processing. Includes models for 2015, 2016, 2017, 2018, 2019