

Table 1. Performance Metrics of Chinese medicine intervention prognostic model (within 3 years)

Indicators	Methods			
	LR	RF	XGBoost	SVM
Precision	0.72 (0.63, 0.80)	0.73 (0.64, 0.82)	0.75 (0.68, 0.84)	0.67 (0.60, 0.74)
Recall	0.73 (0.60, 0.84)	0.77 (0.68, 0.86)	0.76 (0.66, 0.86)	0.85 (0.76, 0.92)
Accuracy	0.76 (0.70, 0.83)	0.78 (0.72, 0.84)	0.79 (0.75, 0.84)	0.76 (0.70, 0.82)
F1 score	0.72 (0.62, 0.81)	0.74 (0.69, 0.80)	0.75 (0.69, 0.81)	0.75 (0.69, 0.79)

Table 2. Performance Metrics of Chinese medicine intervention prognostic model (within 5 years)

Indicators	Methods			
	LR	RF	XGBoost	SVM
Precision	0.79 (0.71, 0.87)	0.83 (0.75, 0.91)	0.84 (0.77, 0.93)	0.81 (0.72, 0.91)
Recall	0.66 (0.56, 0.76)	0.76 (0.67, 0.85)	0.75 (0.63, 0.85)	0.79 (0.70, 0.87)
Accuracy	0.70 (0.62, 0.79)	0.77 (0.70, 0.83)	0.78 (0.71, 0.83)	0.78 (0.71, 0.84)
F1 score	0.71 (0.63, 0.80)	0.79 (0.73, 0.85)	0.79 (0.72, 0.85)	0.82 (0.74, 0.86)

Table 3. Performance Metrics of TCM syndrome prognostic model (within 3 years)

Indicators	Methods			
	LR	RF	XGBoost	SVM
Precision	0.35 (0.25, 0.50)	0.36 (0.20, 0.57)	0.32 (0.21, 0.45)	0.29 (0.20, 0.42)
Recall	0.59 (0.33, 0.89)	0.42 (0.22, 0.67)	0.64 (0.33, 0.89)	0.54 (0.33, 0.78)
Accuracy	0.76 (0.68, 0.84)	0.79 (0.72, 0.86)	0.72 (0.63, 0.82)	0.72 (0.65, 0.81)
F1 score	0.44 (0.31, 0.58)	0.38 (0.21, 0.57)	0.42 (0.26, 0.58)	0.37 (0.24, 0.58)

Table 4. Performance Metrics of TCM syndrome prognostic model (within 5 years)

Indicators	Methods			
	LR	RF	XGBoost	SVM
Precision	0.50	0.49	0.49	0.46

	(0.36, 0.67)	(0.33, 0.71)	(0.35, 0.67)	(0.33, 0.63)
Recall	0.59	0.51	0.72	0.59
	(0.33,0.78)	(0.22, 0.78)	(0.44, 1.00)	(0.33, 0.78)
Accuracy	0.74	0.73	0.73	0.71
	(0.66, 0.83)	(0.63, 0.83)	(0.63, 0.83)	(0.60, 0.80)
F1 score	0.53	0.49	0.58	0.52
	(0.35, 0.67)	(0.31, 0.70)	(0.46, 0.73)	(0.35, 0.67)