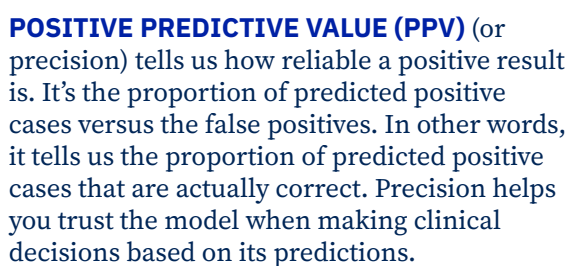


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Further, the terms **SENSITIVITY, SPECIFICITY, POSITIVE PREDICTIVE VALUE (PPV), FLAG RATE**, and the **AREA UNDER THE ROC CURVE (AUC)** can help you interpret AI prediction models with confidence.



The **AREA UNDER THE ROC CURVE (AUC)** measures how effectively a classification model distinguishes between positive and negative cases across all classification thresholds. The ROC curve plots the True Positive Rate (Sensitivity) against the False Positive Rate (1 - Specificity) at various thresholds. An AUC close to 1 indicates excellent model performance, while an AUC near 0.5 suggests the model performs no better than random chance.

