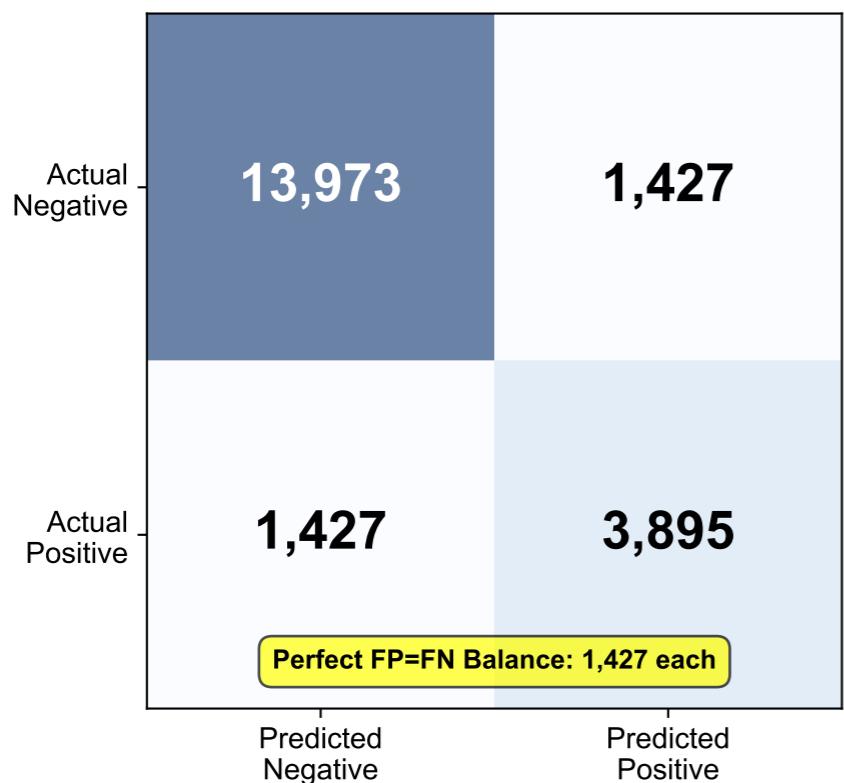
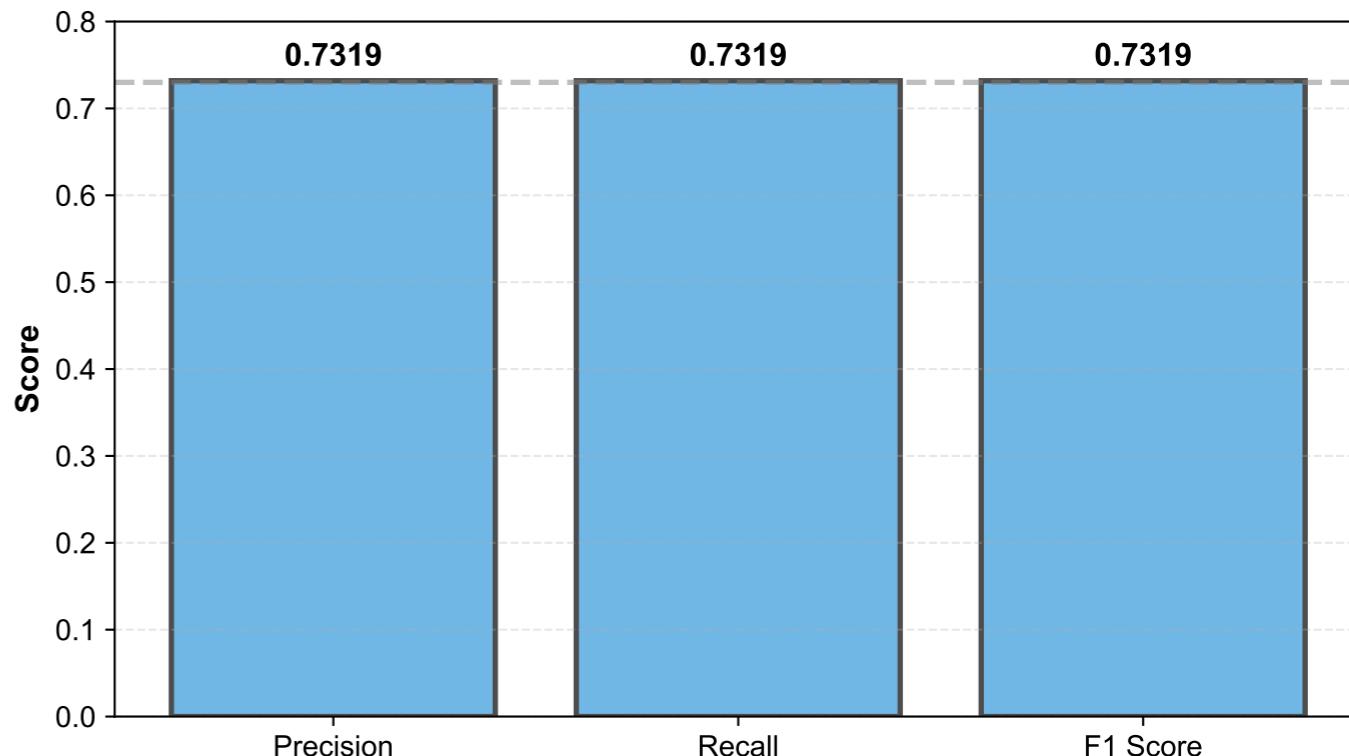


# AR Baseline Performance Summary (h=8 months, n=20,722)

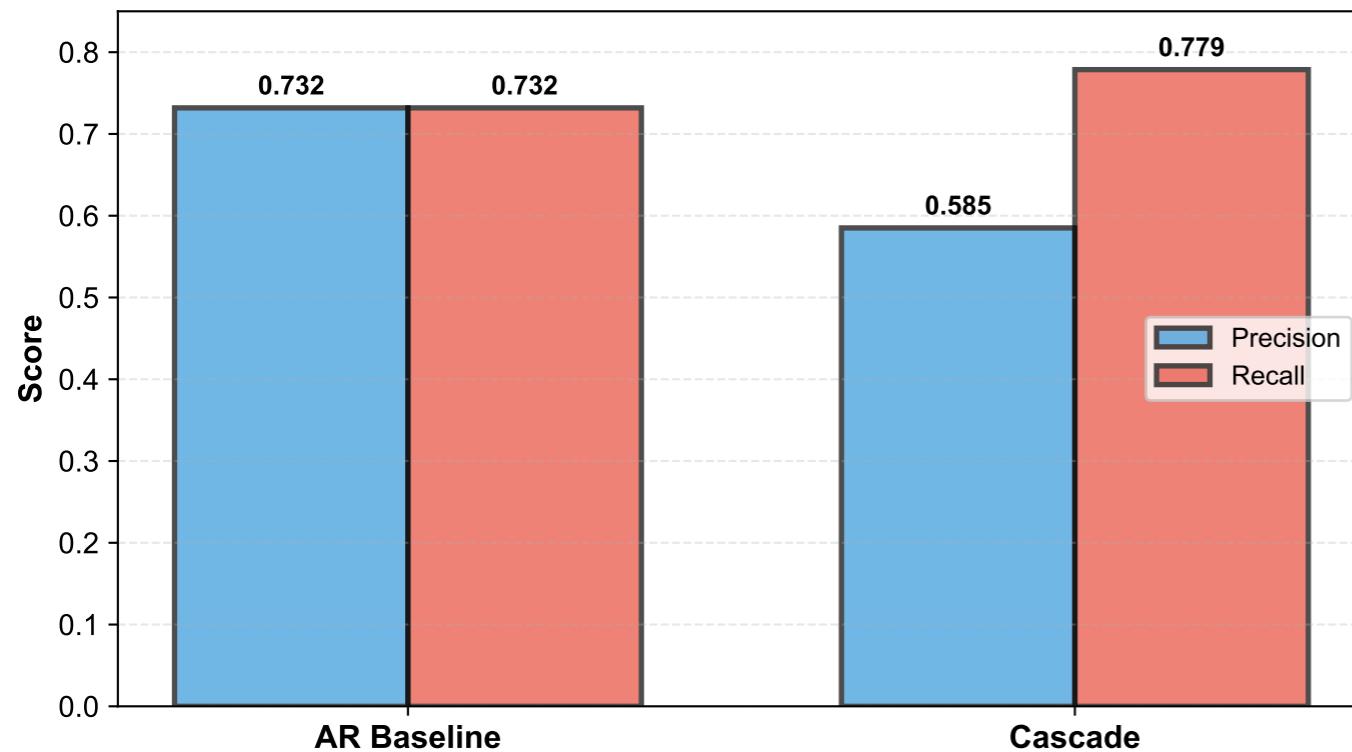
**Panel A: Confusion Matrix (h=8, Youden Threshold)**



**Panel B: AR Baseline Performance Metrics**



**Panel C: AR Baseline vs Cascade**



**Panel D: Summary Statistics**

| Metric               | Value  |
|----------------------|--------|
| Optimal Threshold    | 0.6295 |
| True Positives (TP)  | 3,895  |
| True Negatives (TN)  | 13,973 |
| False Positives (FP) | 1,427  |
| False Negatives (FN) | 1,427  |
| Precision            | 0.7319 |
| Recall               | 0.7319 |
| F1 Score             | 0.7319 |