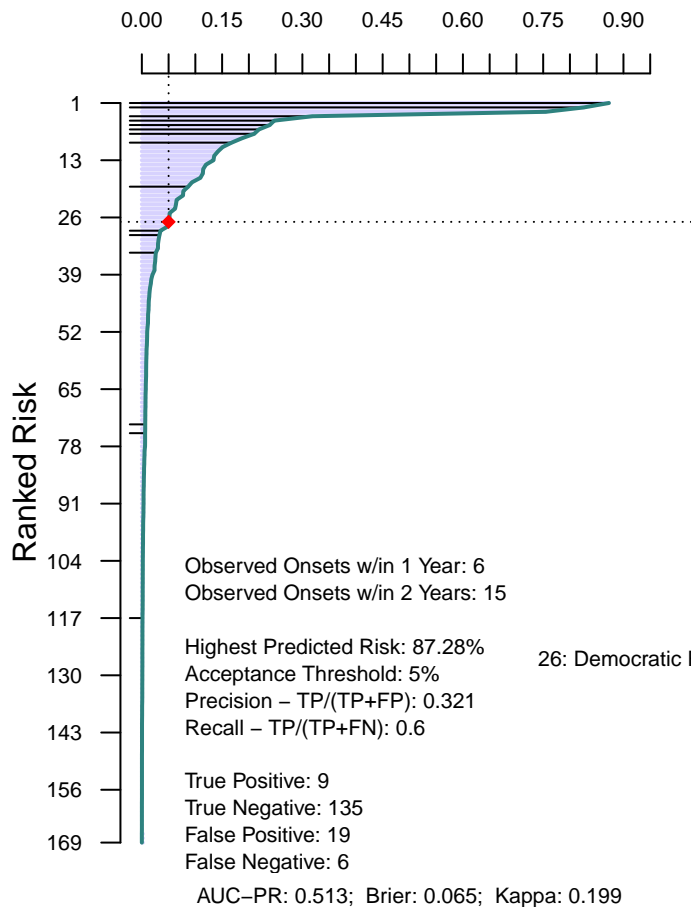**Estimated Risk of ART for 2016–17 using Gradient–boosted Forest**

All Observations | Top 34 Countries

Ranked Risk

Observed Onsets w/in 1 Year: 6
Observed Onsets w/in 2 Years: 15

Highest Predicted Risk: 87.28%
Acceptance Threshold: 5%
Precision – TP/(TP+FP): 0.321
Recall – TP/(TP+FN): 0.6

True Positive: 9
True Negative: 135
False Positive: 19
False Negative: 6

AUC–PR: 0.513; Brier: 0.065; Kappa: 0.199

1: Montenegro
2: Yemen
3: Moldova
4: Vietnam
5: Latvia
6: Kyrgyzstan
7: Tanzania
8: Lesotho
9: Mali
10: Fiji
11: Mauritania
12: Nepal
13: Burundi
14: Serbia
15: Honduras
16: India
17: Macedonia
18: Iraq
19: Sri Lanka
20: Albania
21: Guinea–Bissau
22: Israel
23: Hungary
24: Sierra Leone
25: Poland
26: Democratic Republic of the Congo
27: South Korea
28: Lebanon
29: Solomon Islands
30: Lithuania
31: Togo
32: Kosovo
33: Timor–Leste
34: Niger

Observed Onset in 2016
Observed Onset in 2017