Estimated Risk of ART for 2012−13 using Random Forest
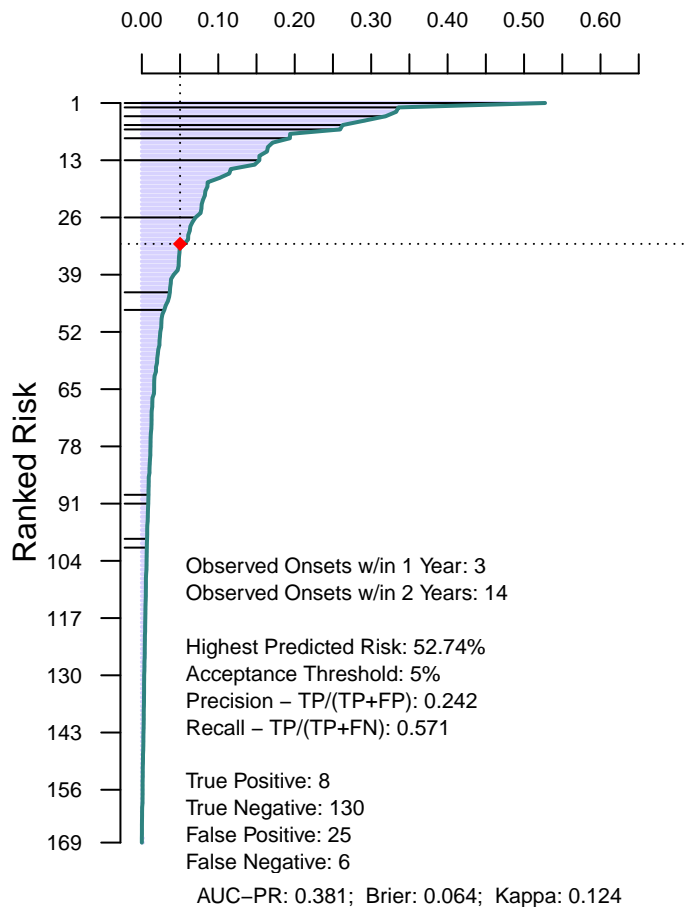
All Observations — Top 34 Countries

Ranked Risk

Observed Onsets w/in 1 Year: 3
Observed Onsets w/in 2 Years: 14

Highest Predicted Risk: 52.74%
Acceptance Threshold: 5%
Precision – TP/(TP+FP): 0.242
Recall – TP/(TP+FN): 0.571

True Positive: 8
True Negative: 130
False Positive: 25
False Negative: 6

AUC−PR: 0.381; Brier: 0.064; Kappa: 0.124

1: Egypt
2: North Macedonia
3: Tunisia
4: Nepal
5: Tanzania
6: Mali
7: Turkey
8: Niger
9: Montenegro
10: Bangladesh
11: Lebanon
12: Kosovo
13: Libya
14: Syria
15: Yemen
16: Malawi
17: Vietnam
18: Mauritania
19: Bhutan
20: Philippines
21: Ukraine
22: Ivory Coast
23: Burma/Myanmar
24: Nicaragua
25: Zambia
26: Hungary
27: Thailand
28: Haiti
29: Somalia
30: Kyrgyzstan
31: Madagascar
32: Sudan
33: Honduras
34: Kenya

Observed Onset in 2012
Observed Onset in 2013