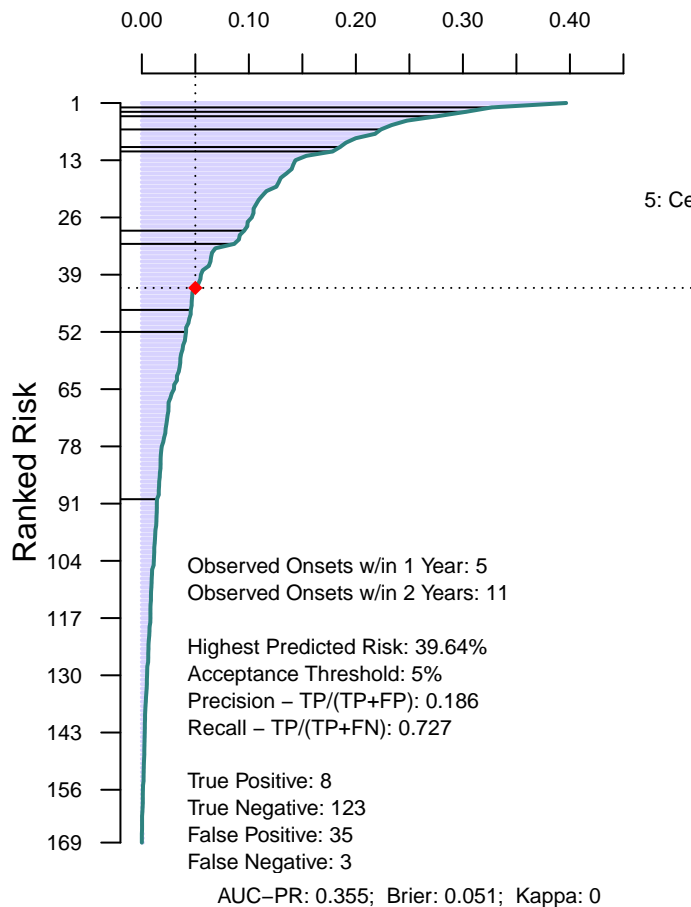# Estimated Risk of ART for 2015−16 using Random Forest



## All Observations

## Top 34 Countries

Observed Onsets w/in 1 Year: 5
Observed Onsets w/in 2 Years: 11

Highest Predicted Risk: 39.64%
Acceptance Threshold: 5%
Precision – TP/(TP+FP): 0.186
Recall – TP/(TP+FN): 0.727

True Positive: 8
True Negative: 123
False Positive: 35
False Negative: 3

AUC−PR: 0.355;  Brier: 0.051;  Kappa: 0

Ranked Risk

1: Ukraine
2: Burkina Faso
3: Tanzania
4: Yemen
5: Central African Republic
6: Thailand
7: Kenya
8: Bangladesh
9: Egypt
10: Kosovo
11: Ghana
12: Latvia
13: Nepal
14: Libya
15: South Africa
16: Tunisia
17: Turkey
18: Syria
19: Malawi
20: Lebanon
21: Mauritania
22: Nigeria
23: Pakistan
24: Uzbekistan
25: India
26: Mali
27: Hungary
28: Iraq
29: Albania
30: Benin
31: Serbia
32: Madagascar
33: Comoros
34: Moldova

Observed Onset in 2015
Observed Onset in 2016