

# Supplementary File 1: Estimated ITN access under different distribution strategy scenarios and quantification factors

Hannah Koenker

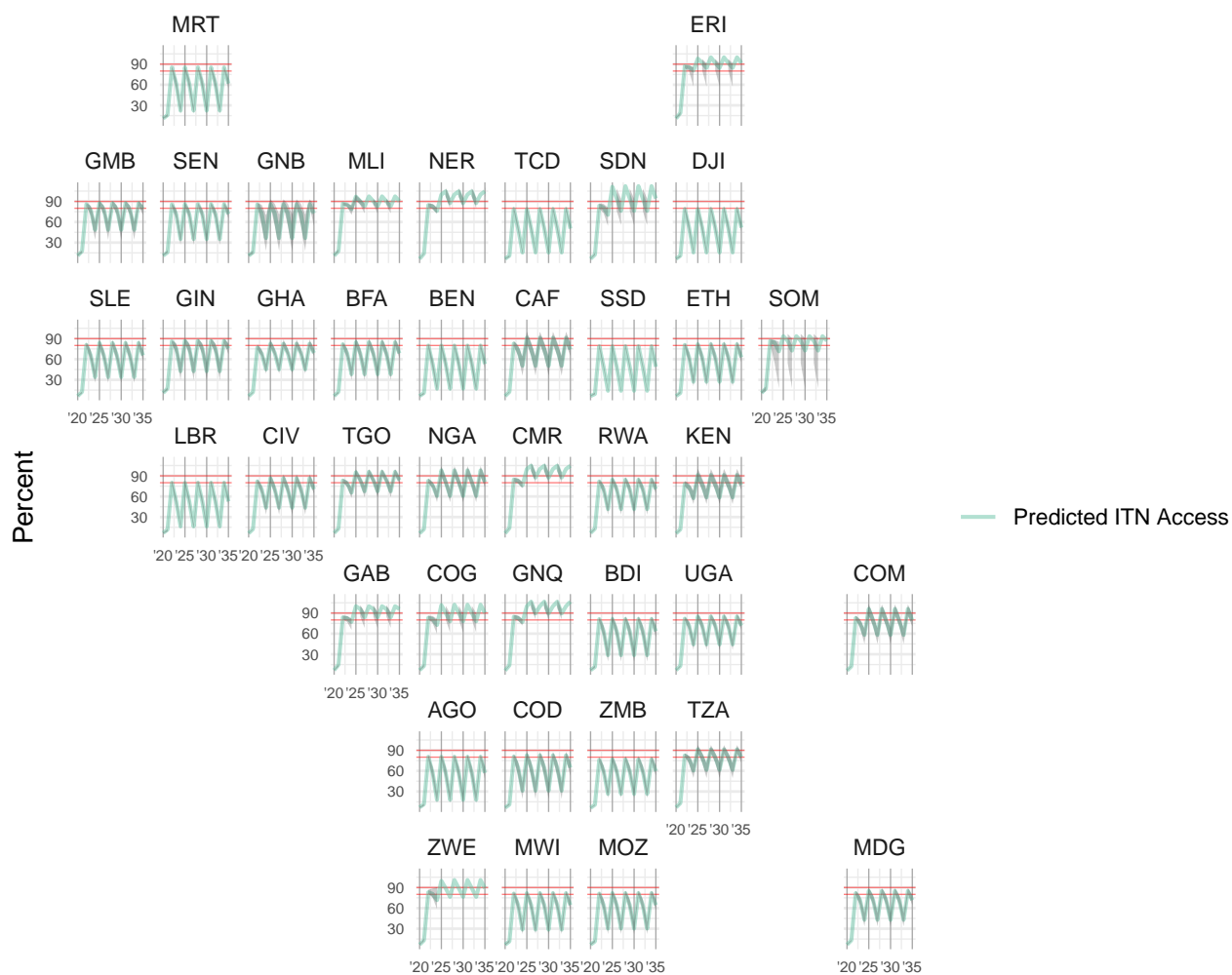
28 March, 2023

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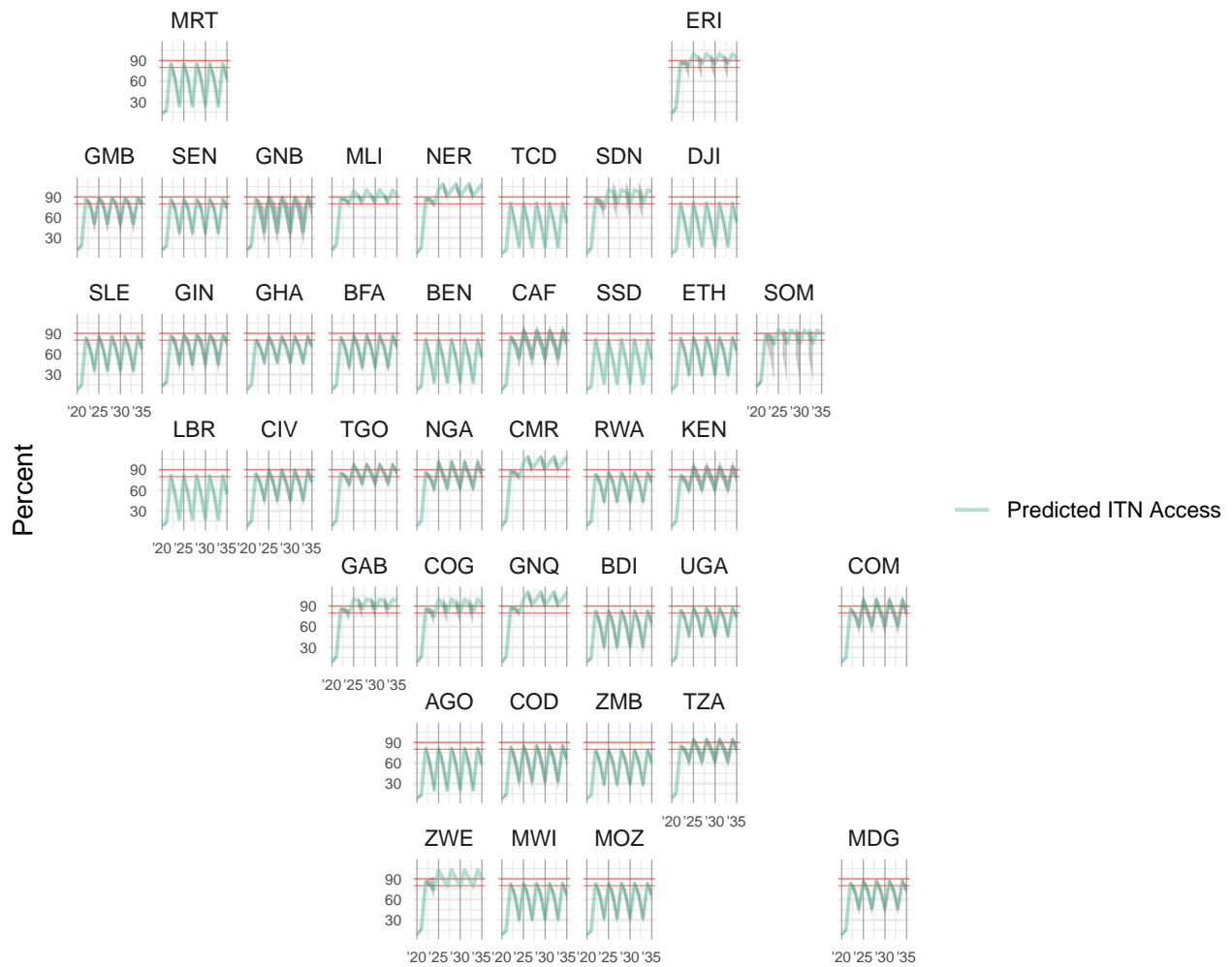
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# 1 Scenario 1 - Mass campaigns every three years with varying routine ANC/EPI distribution

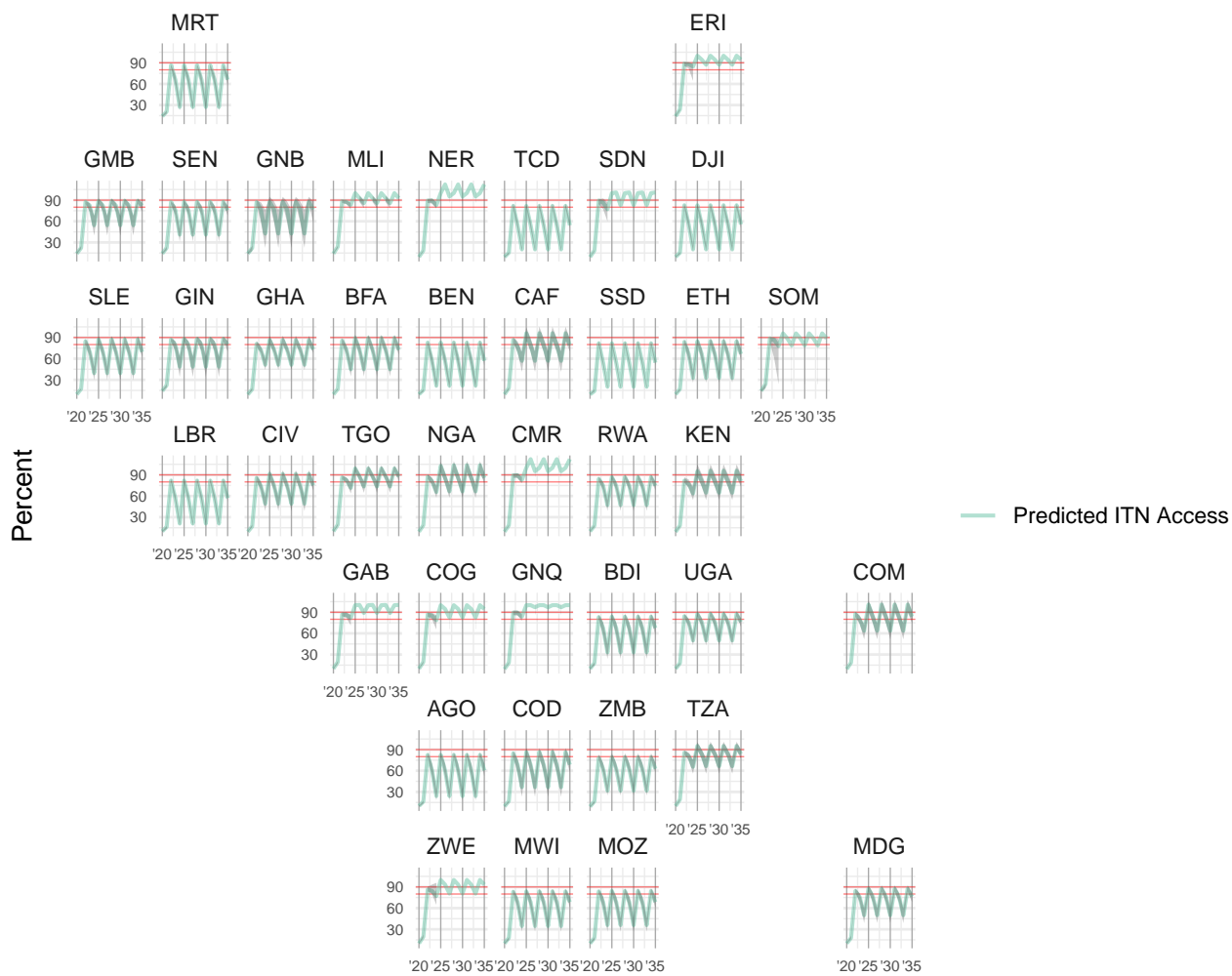
3-year mass campaigns with ANC/EPI at 5 % of the population



### 3-year mass campaigns with ANC/EPI at 6 % of the population

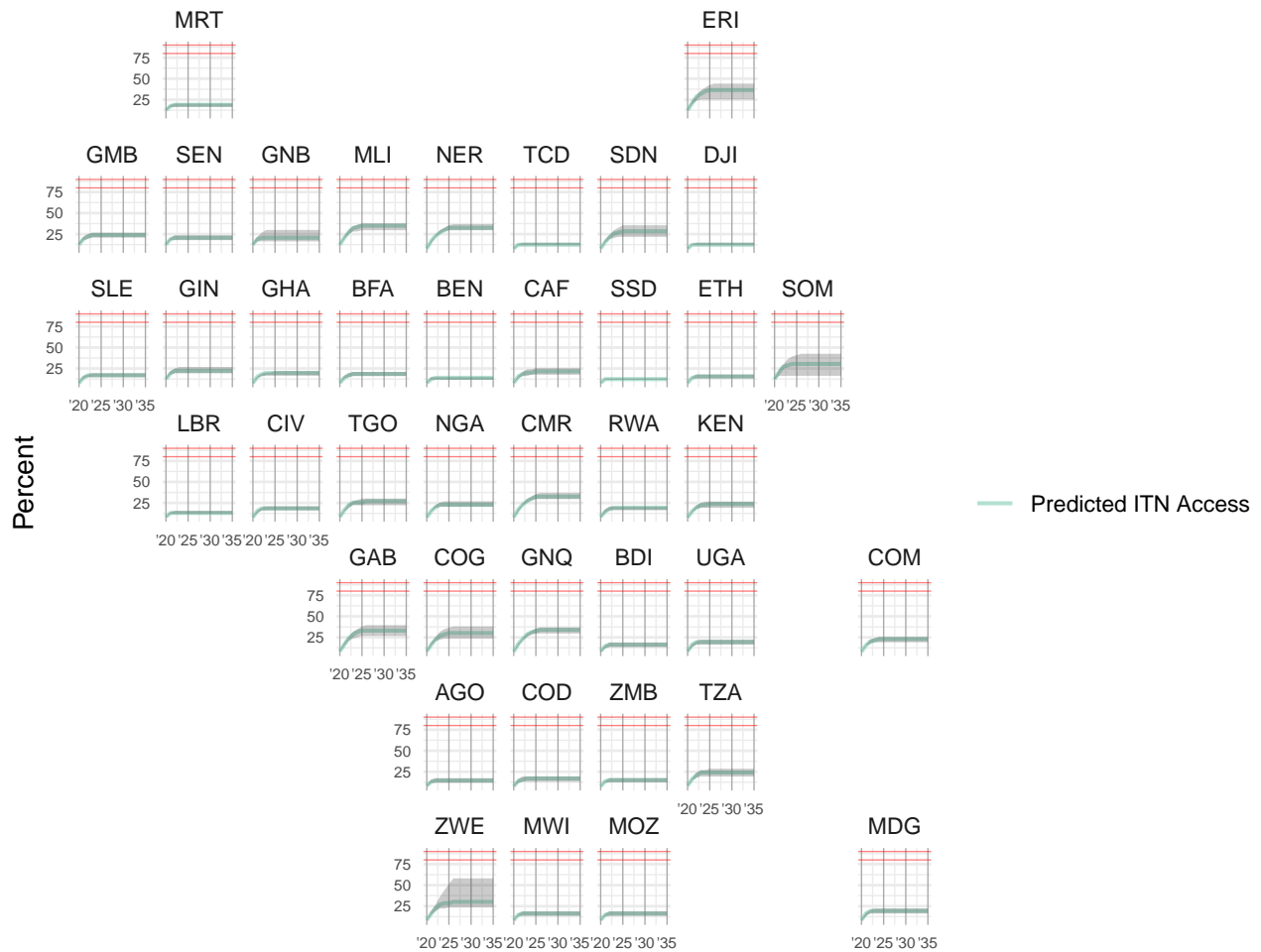


### 3-year mass campaigns with ANC/EPI at 7 % of the population

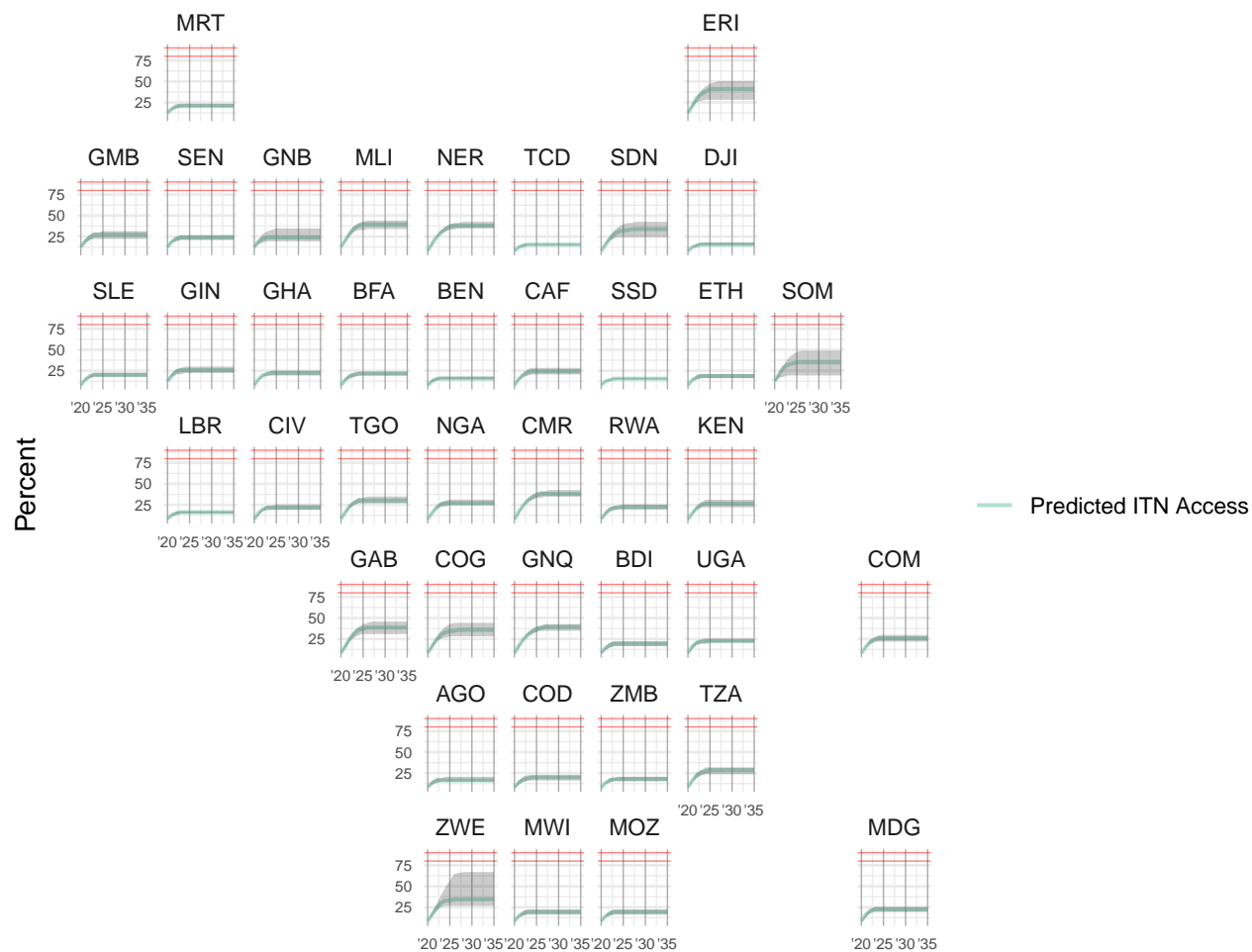


## 2 Scenario 2 - ANC/EPI distribution at 6%, varying annual school/community distribution

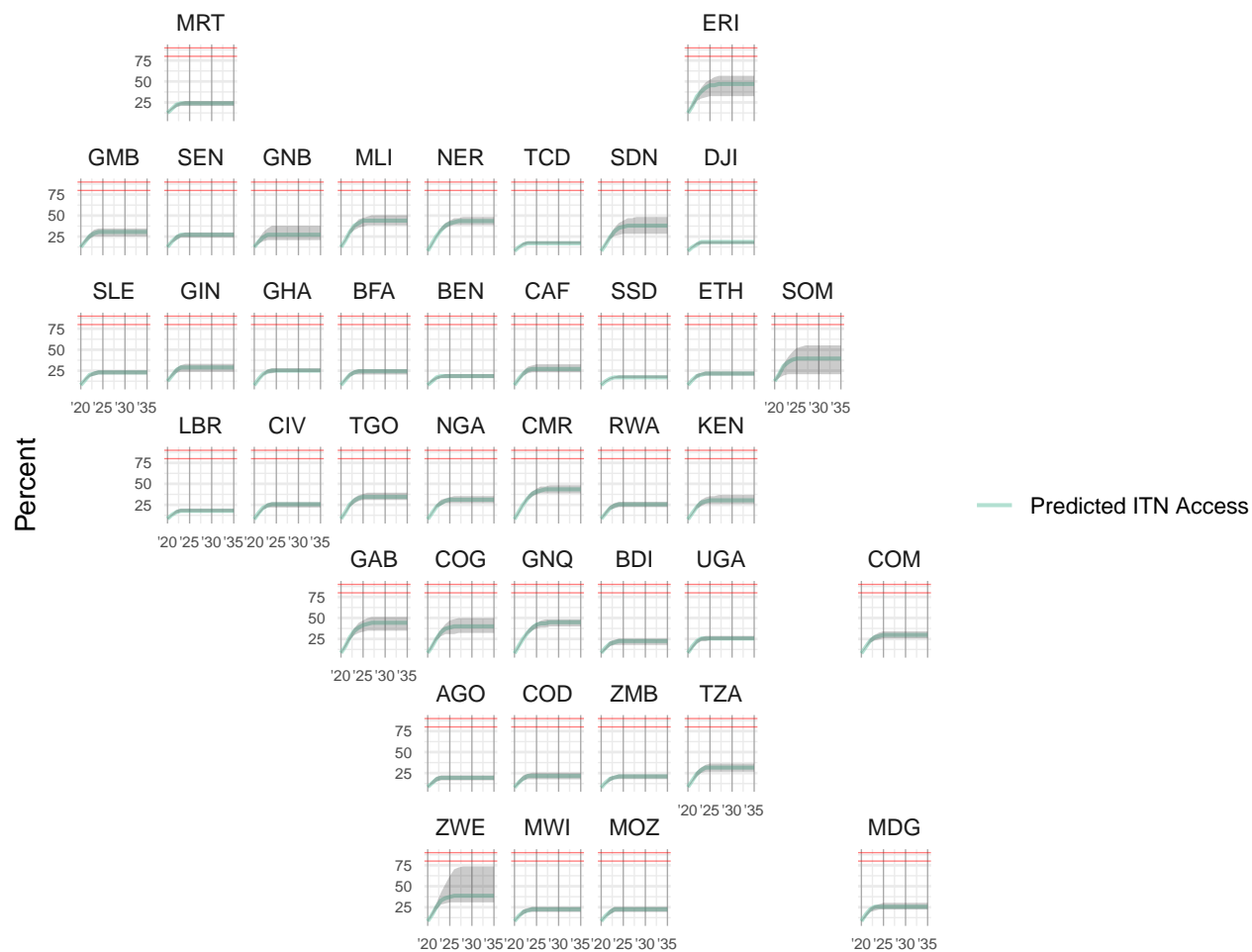
ANC/EPI at 6% and annual school/community distribution at 0 % of the population



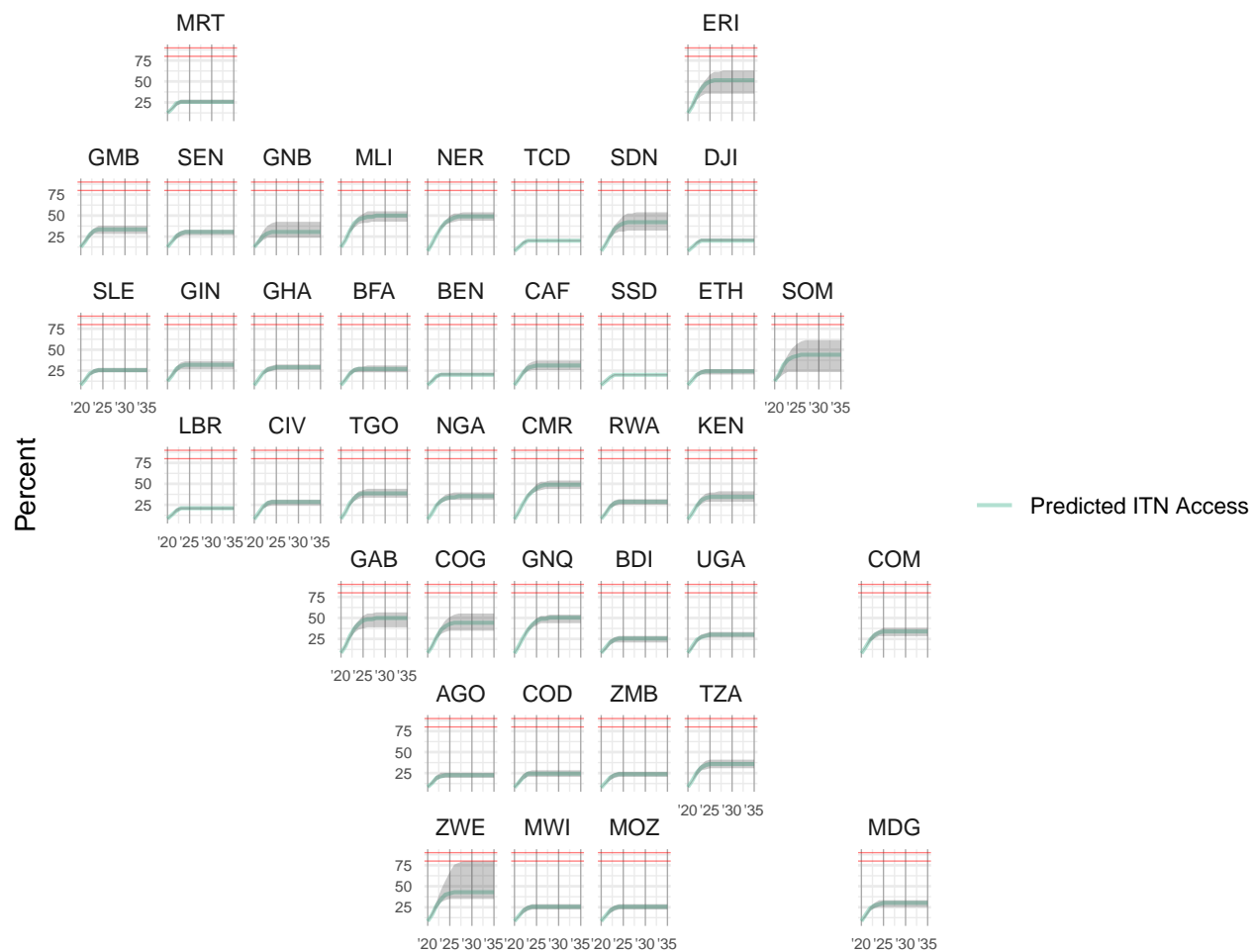
# ANC/EPI at 6% and annual school/community distribution at 1 % of the population



# ANC/EPI at 6% and annual school/community distribution at 2 % of the population

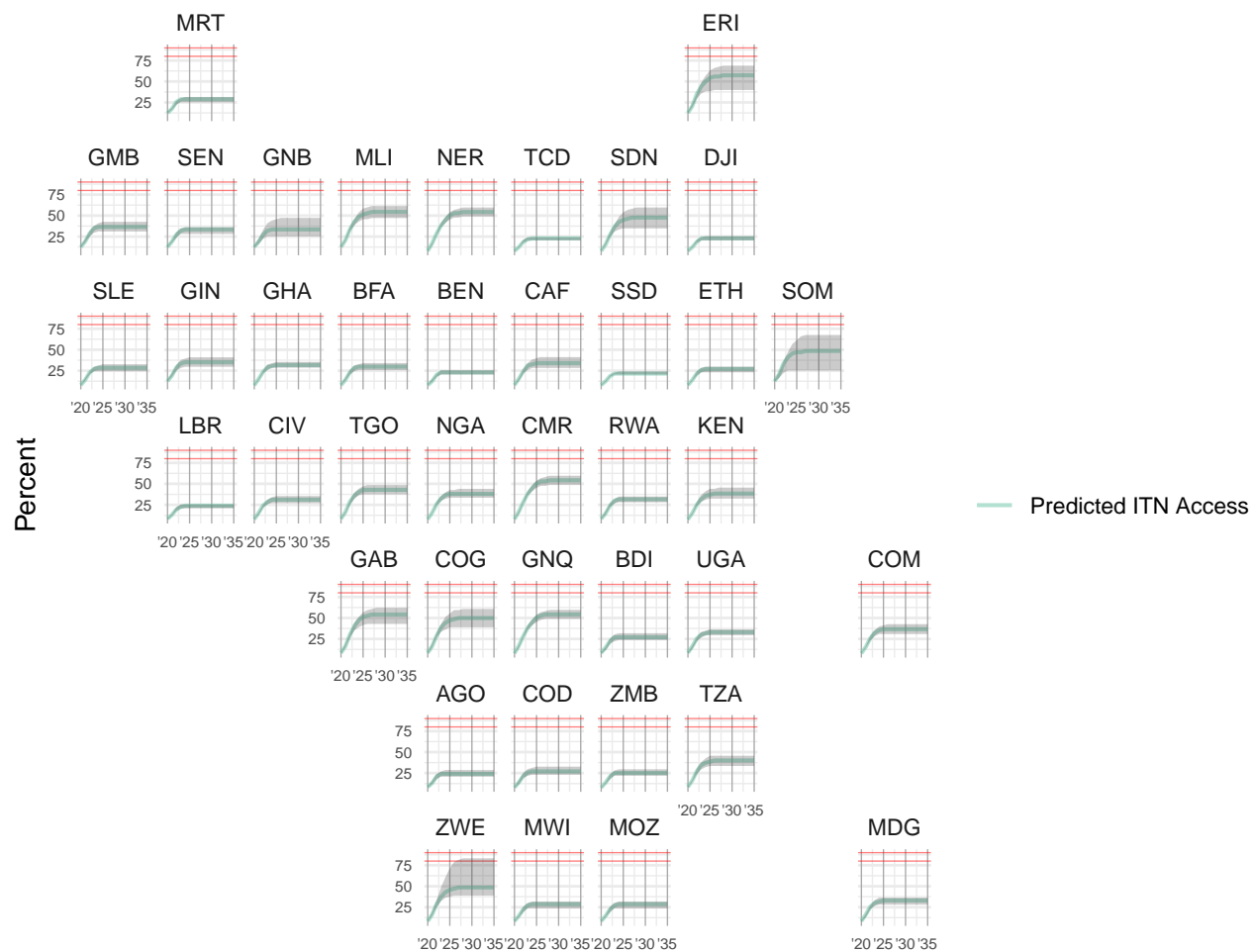


# ANC/EPI at 6% and annual school/community distribution at 3 % of the population

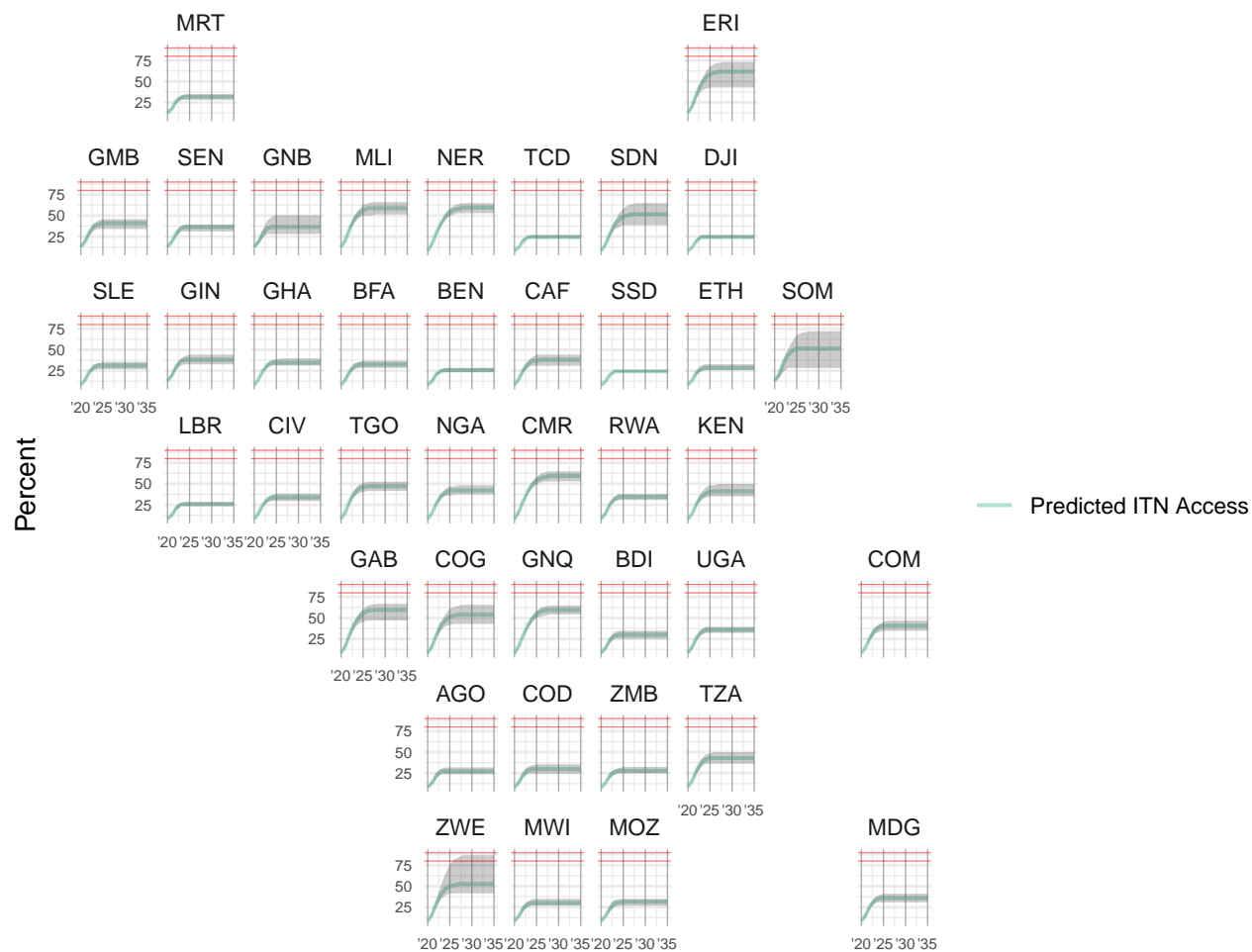




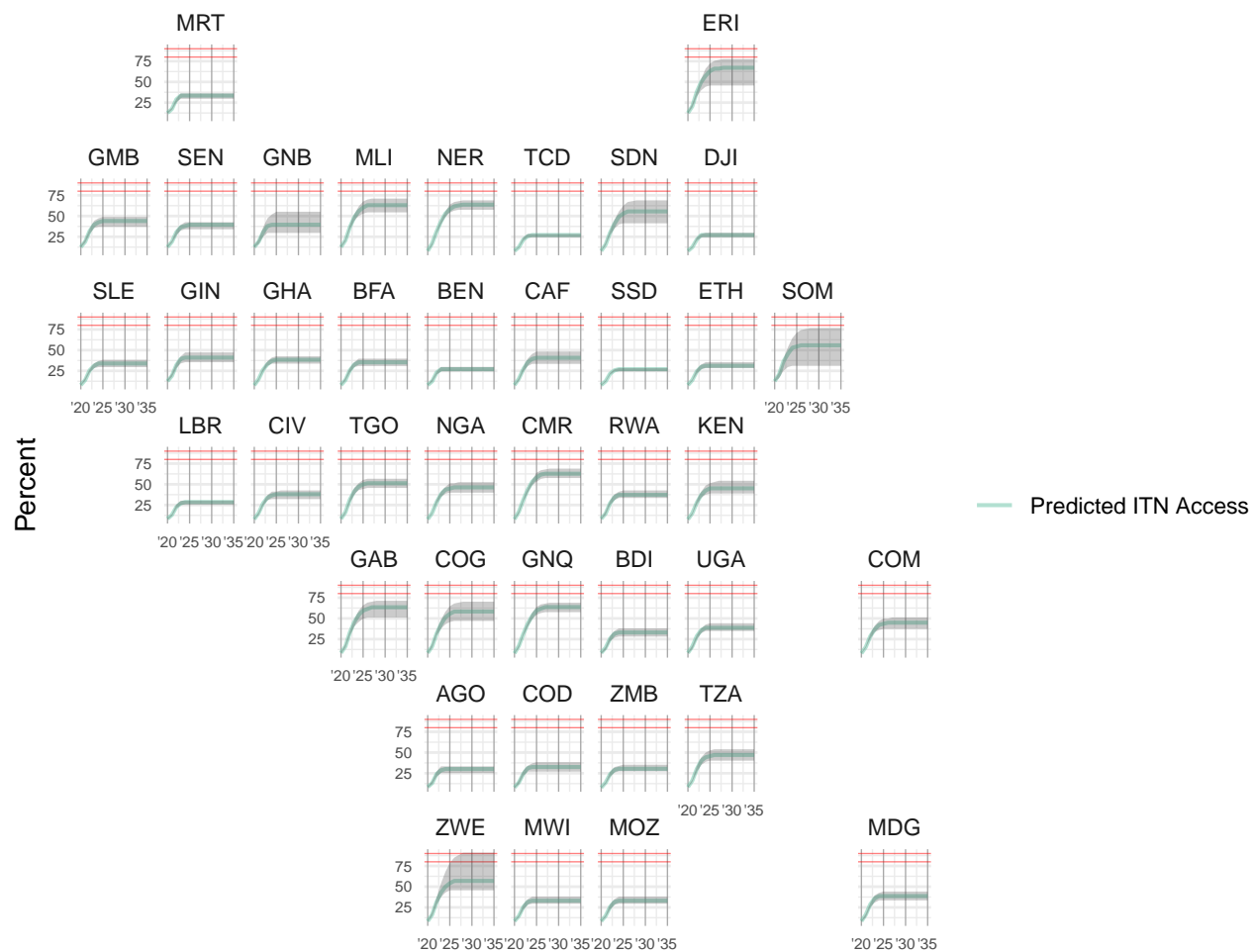
# ANC/EPI at 6% and annual school/community distribution at 4 % of the population



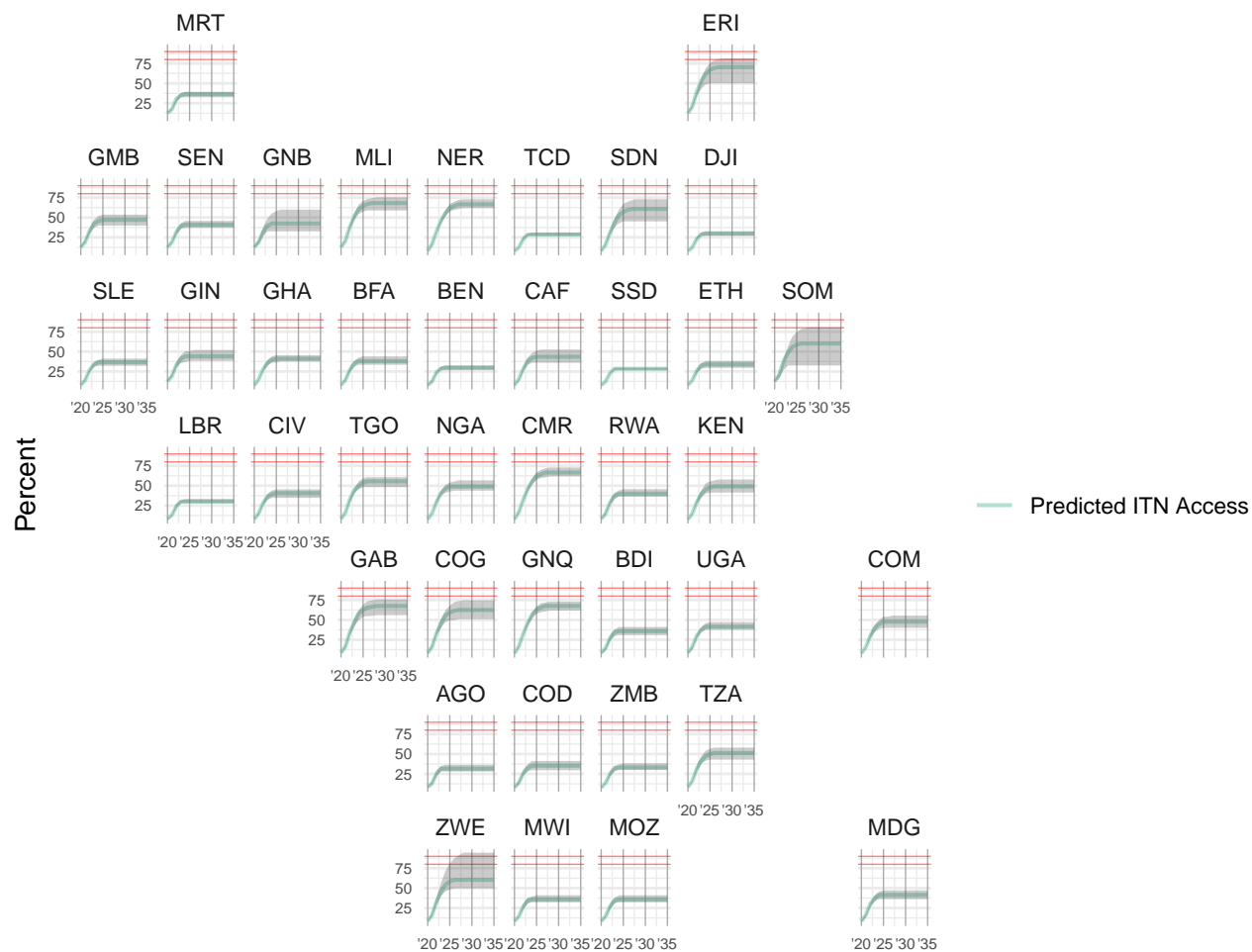
# ANC/EPI at 6% and annual school/community distribution at 5 % of the population



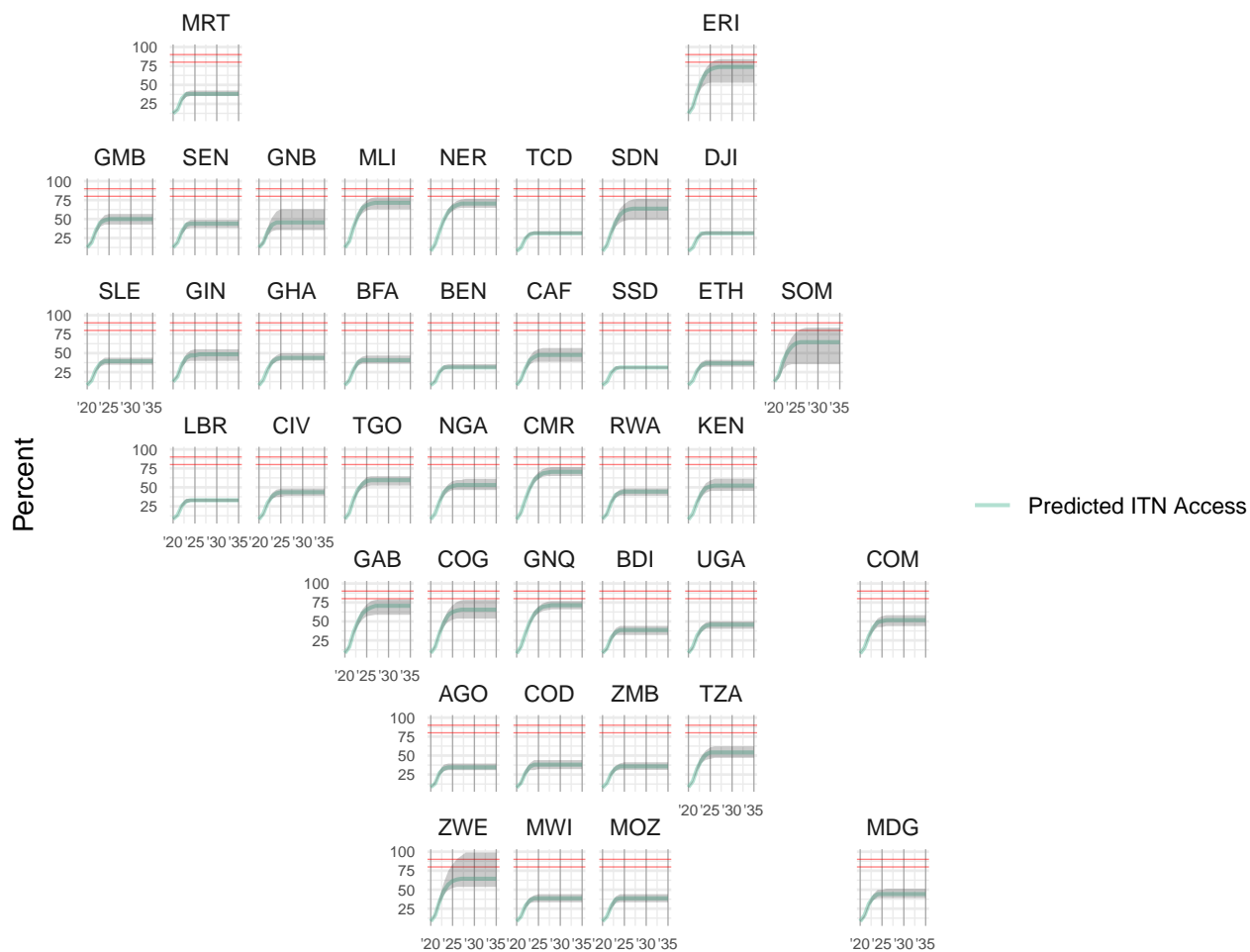
# ANC/EPI at 6% and annual school/community distribution at 6 % of the population



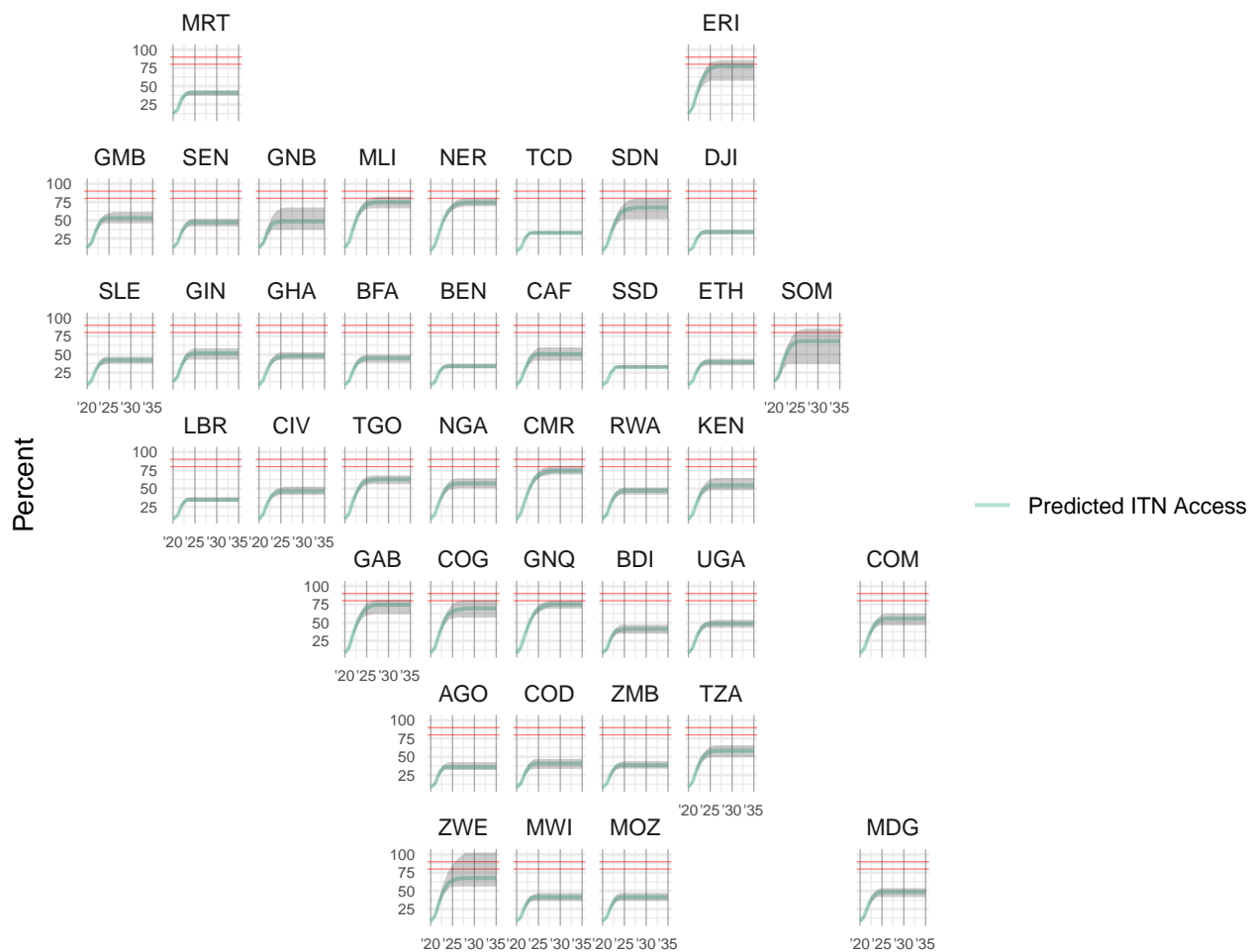
# ANC/EPI at 6% and annual school/community distribution at 7 % of the population



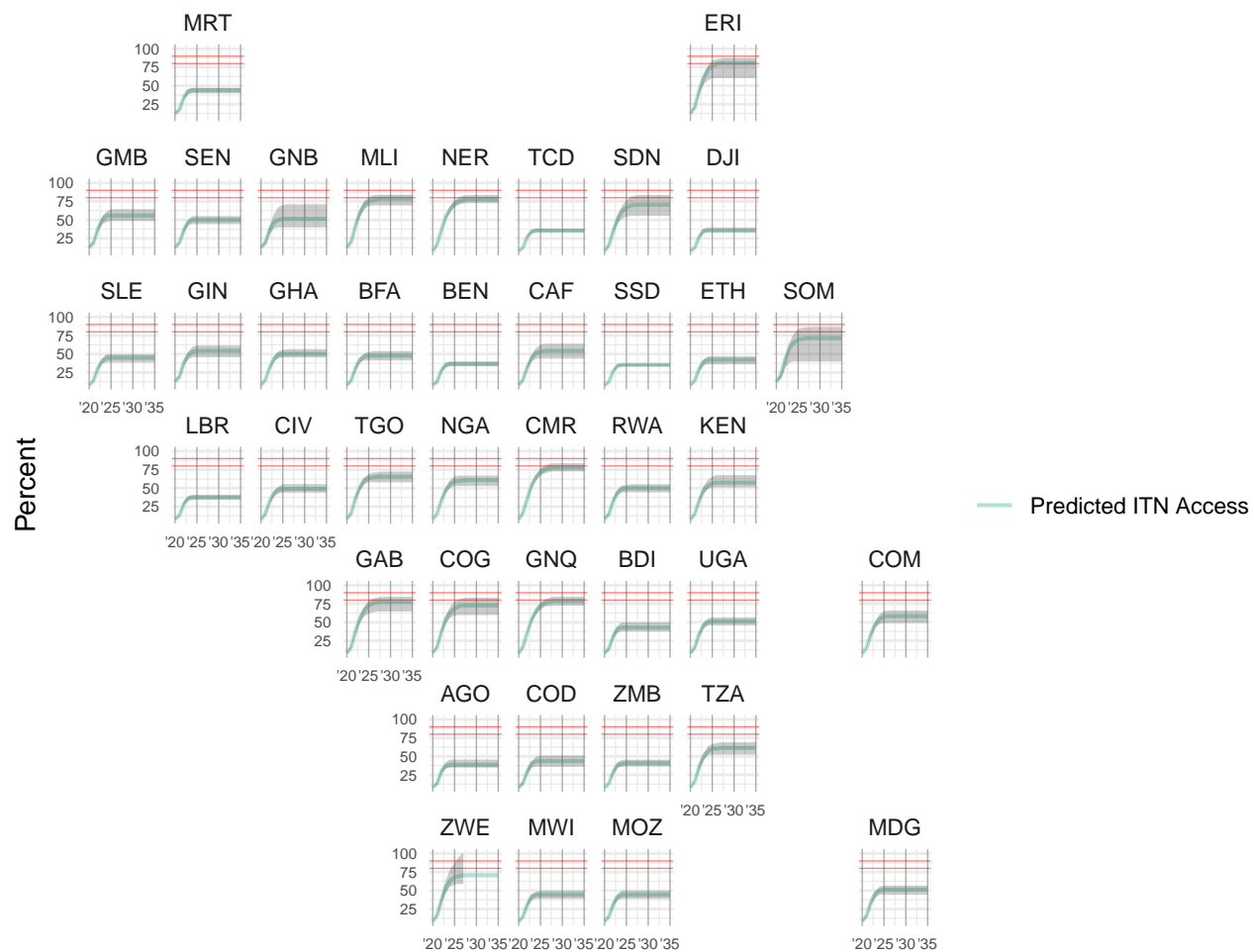
# ANC/EPI at 6% and annual school/community distribution at 8 % of the population



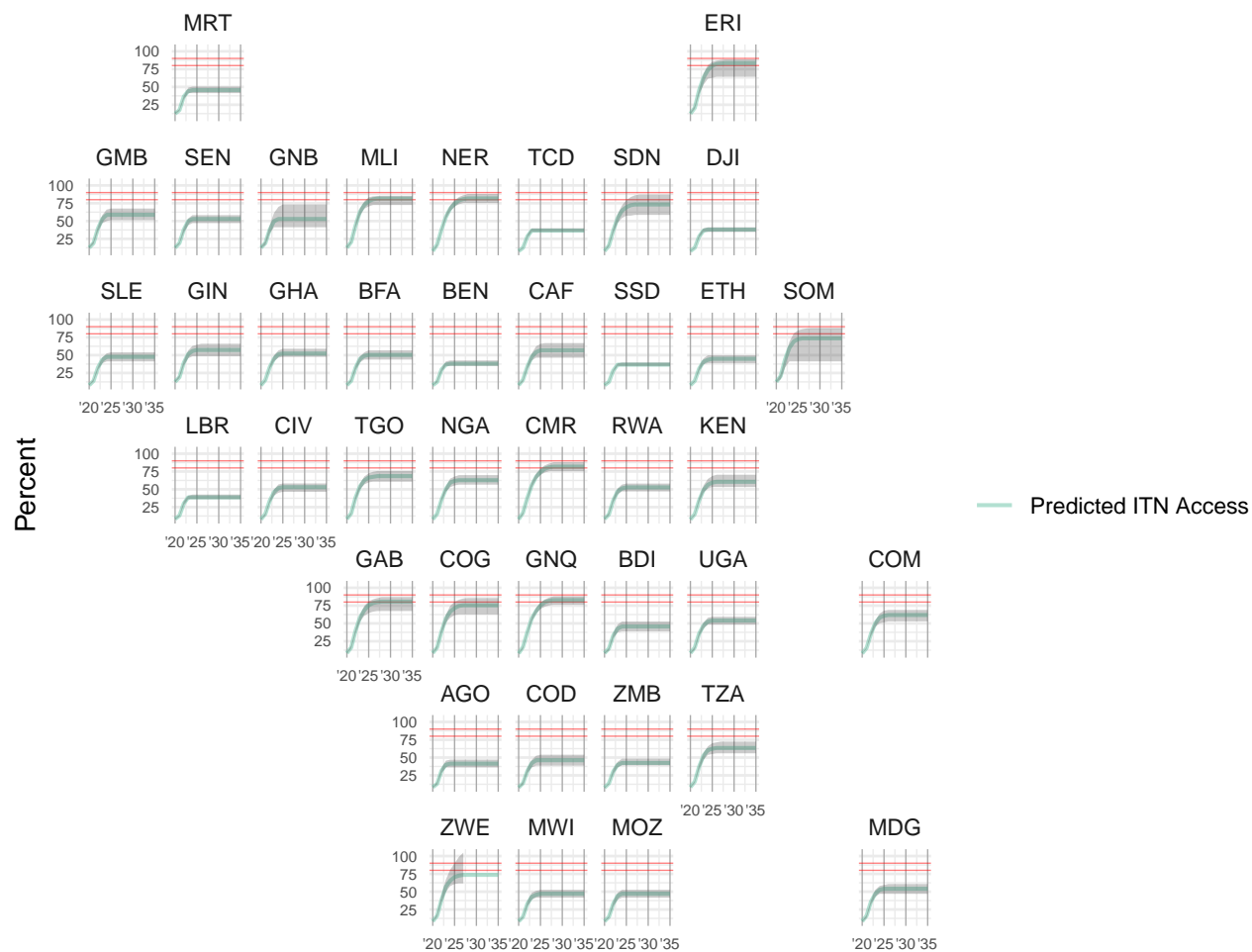
# ANC/EPI at 6% and annual school/community distribution at 9 % of the population



# ANC/EPI at 6% and annual school/community distribution at 10 % of the population

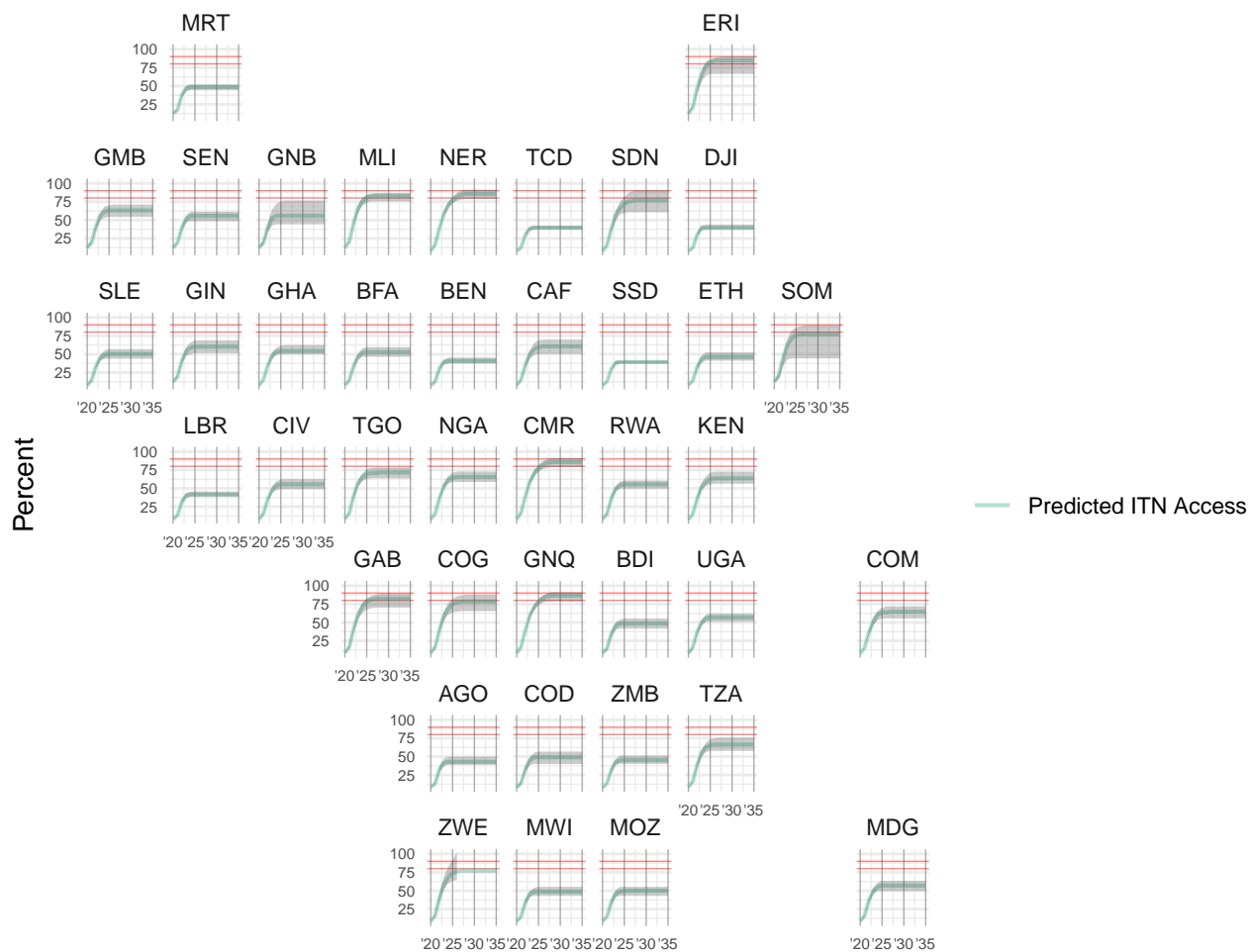


# ANC/EPI at 6% and annual school/community distribution at 11 % of the population

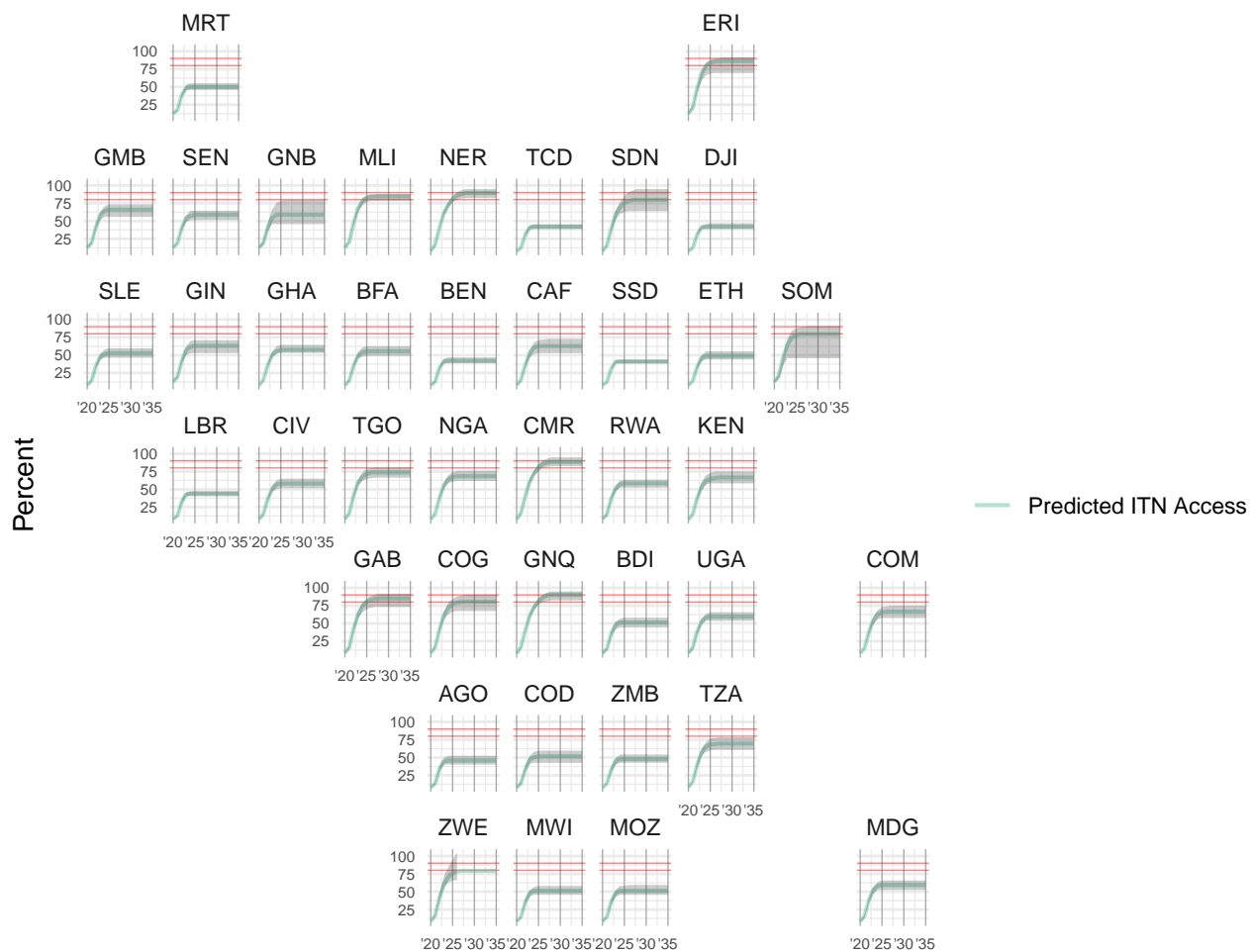




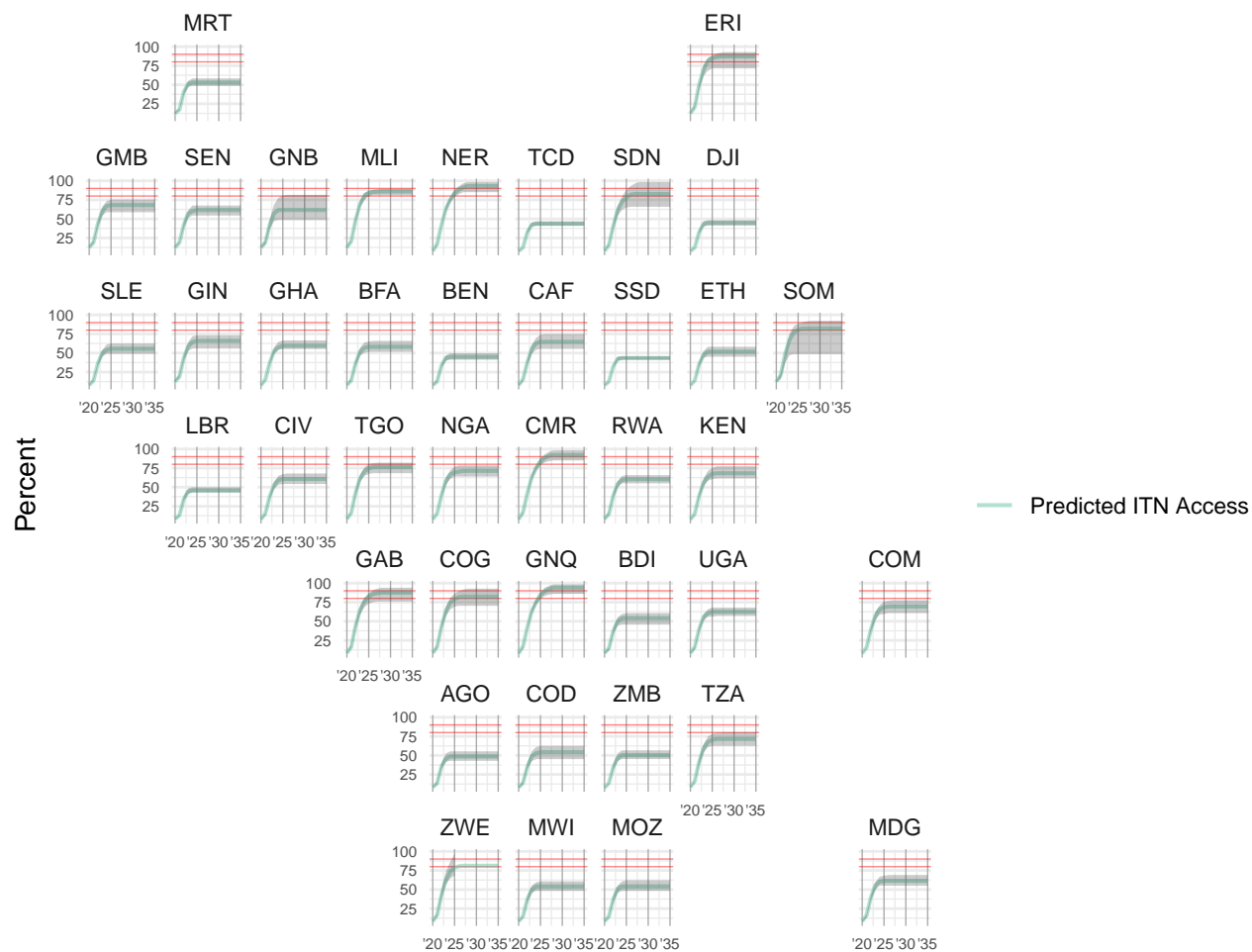
# ANC/EPI at 6% and annual school/community distribution at 12 % of the population



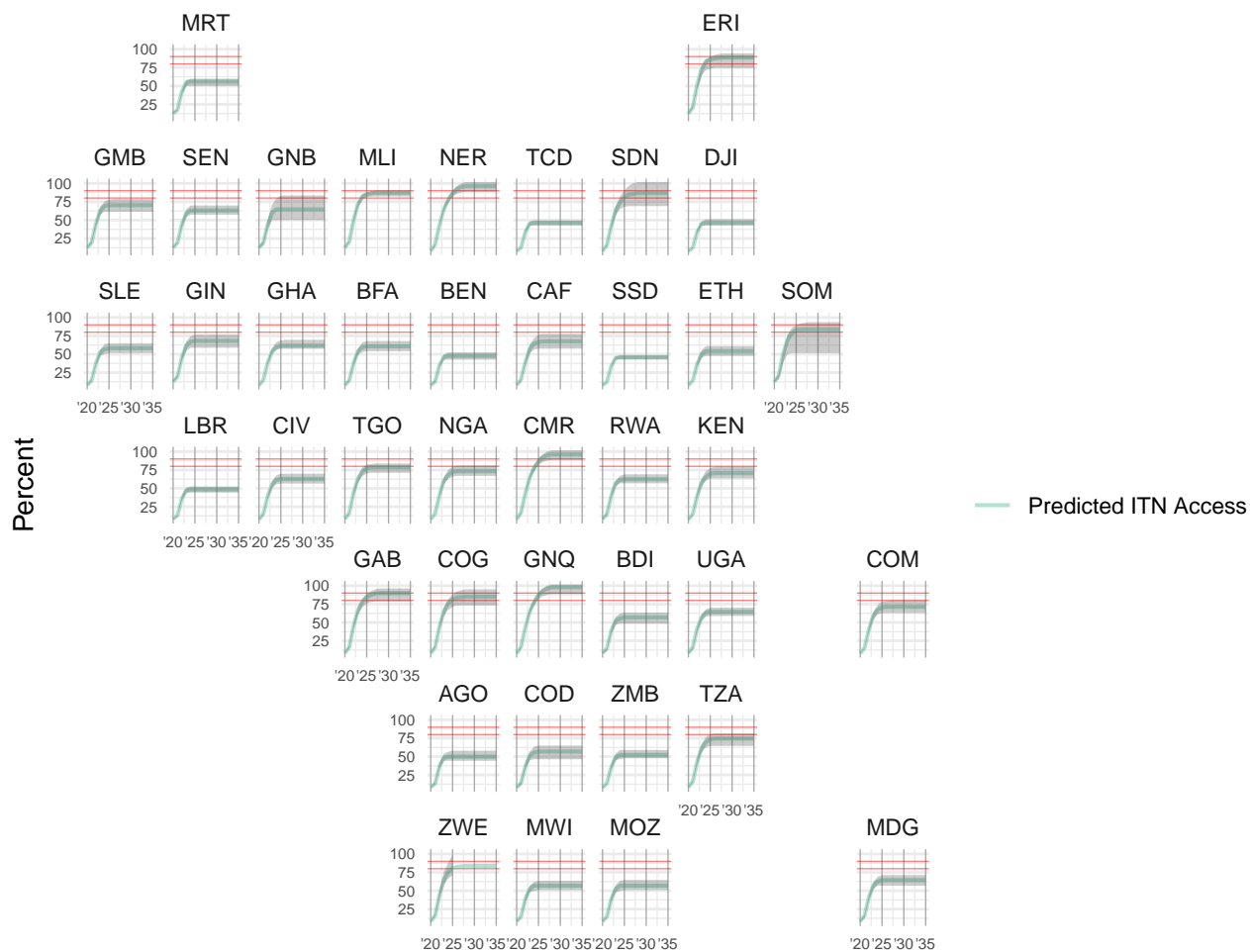
# ANC/EPI at 6% and annual school/community distribution at 13 % of the population



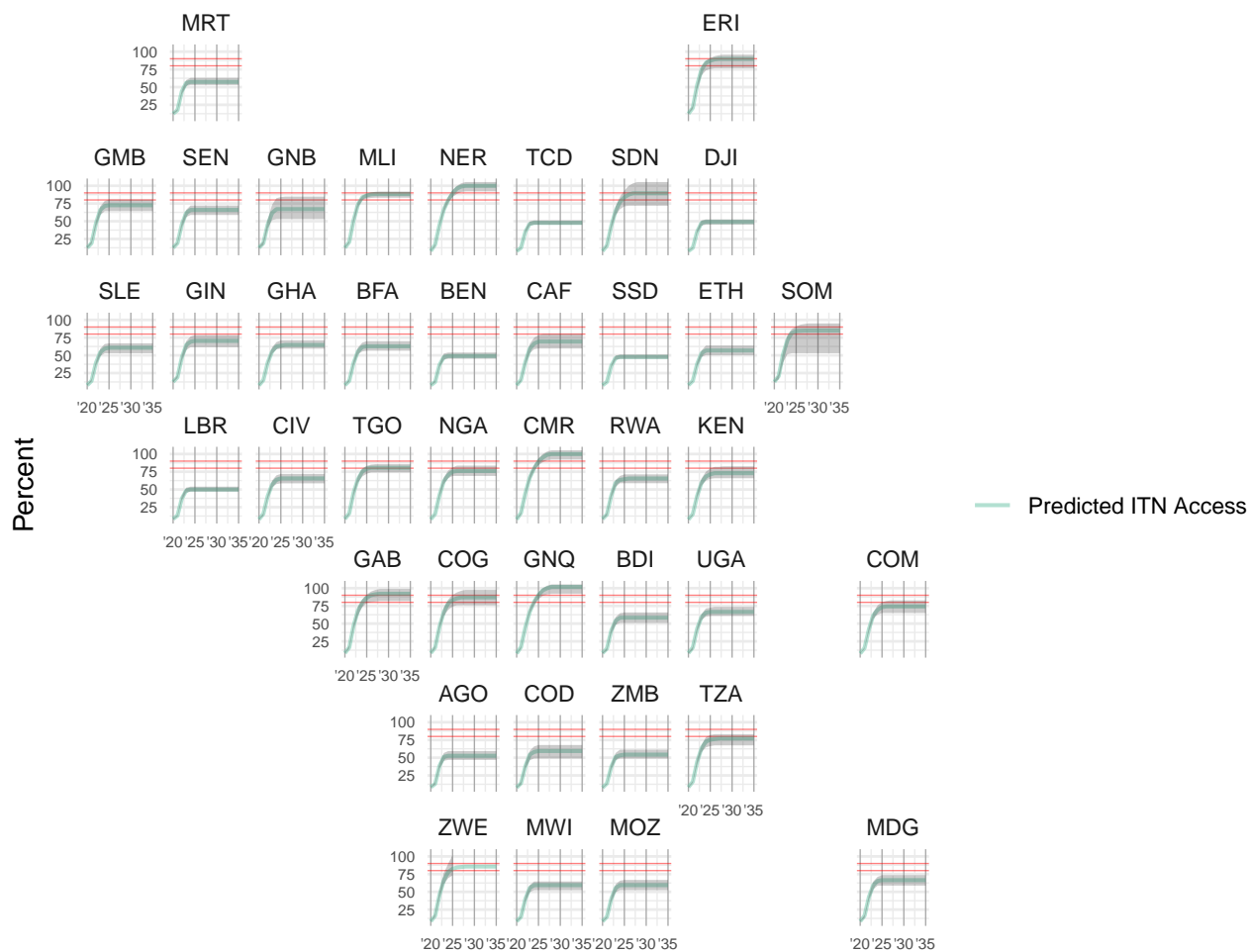
# ANC/EPI at 6% and annual school/community distribution at 14 % of the population



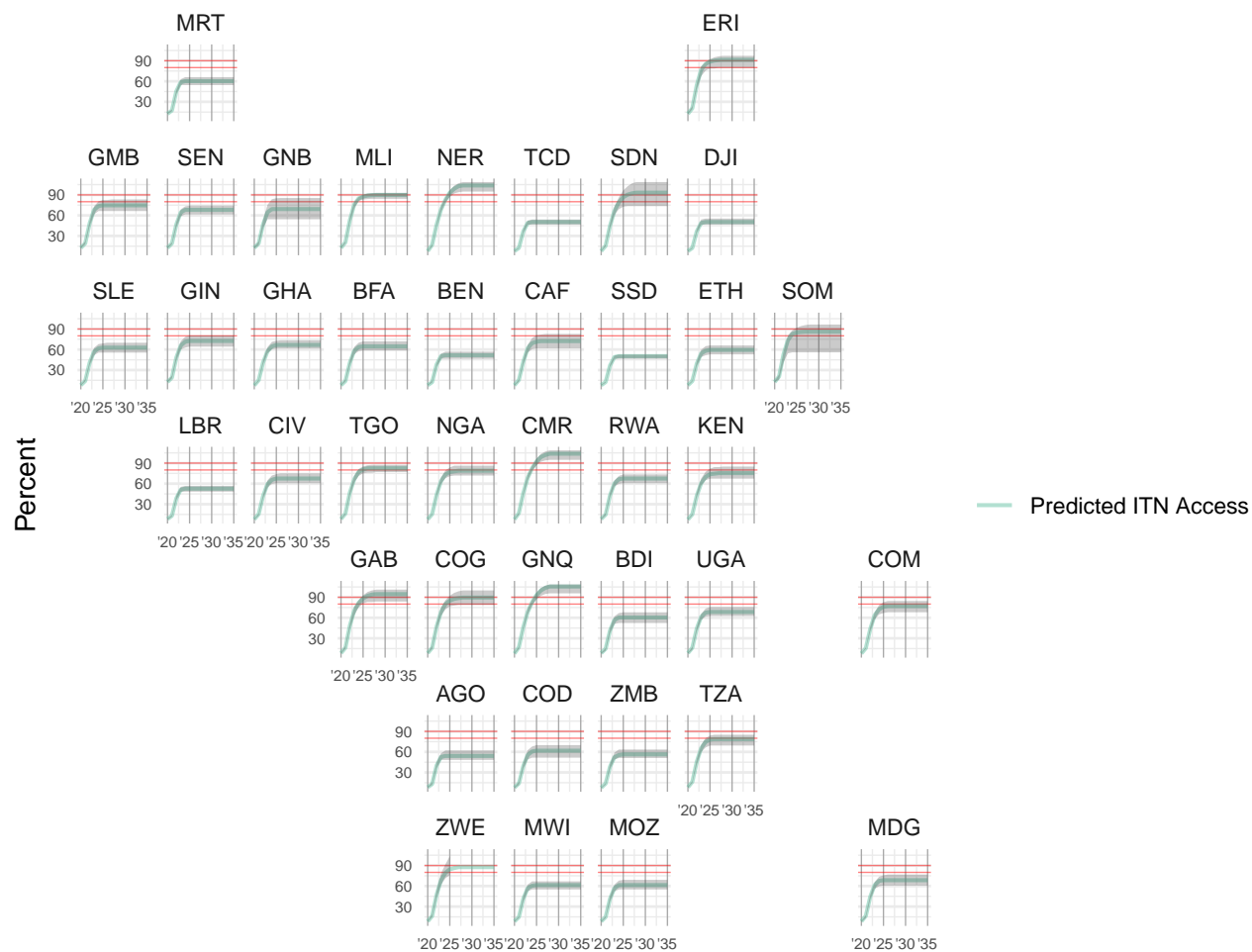
# ANC/EPI at 6% and annual school/community distribution at 15 % of the population



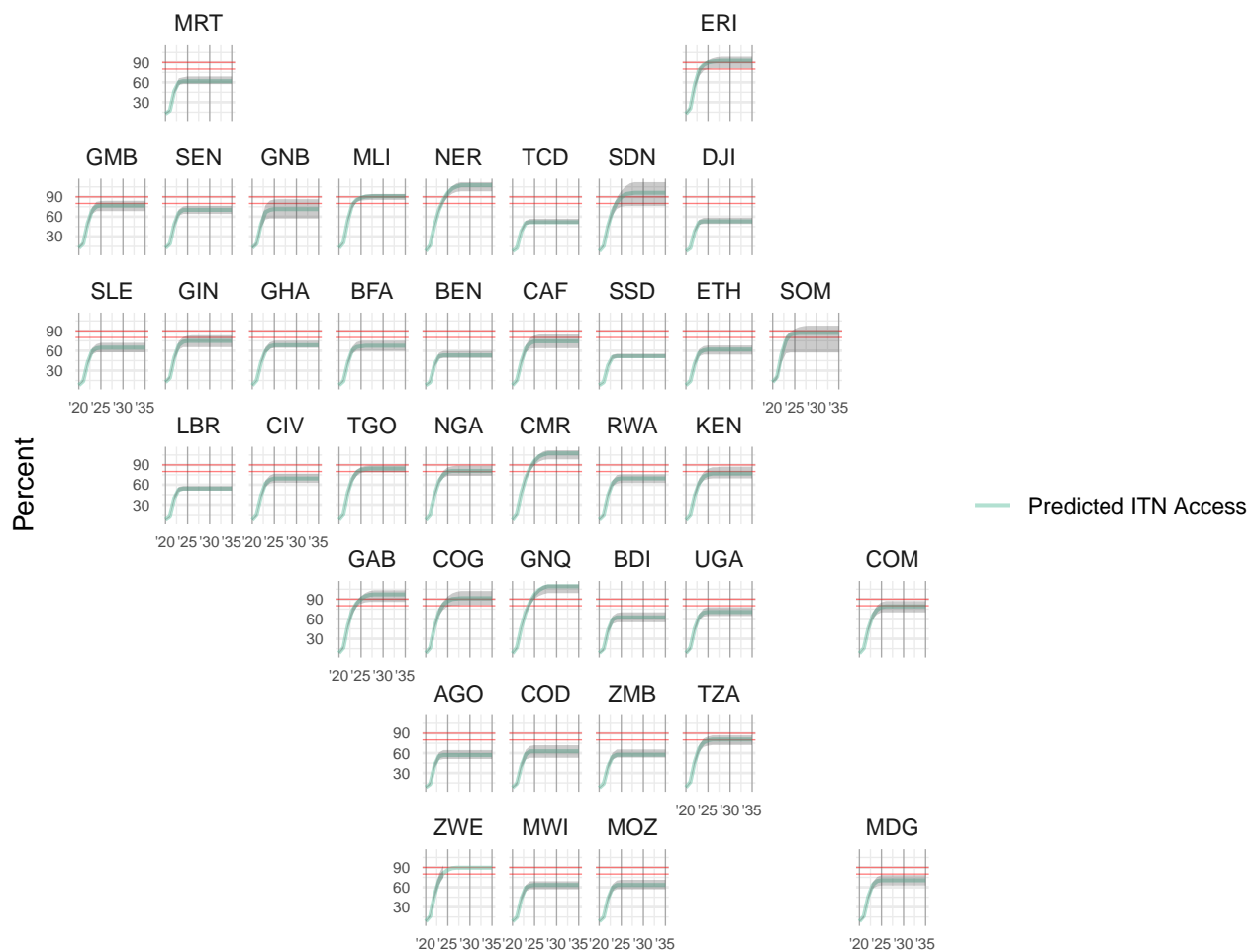
# ANC/EPI at 6% and annual school/community distribution at 16 % of the population



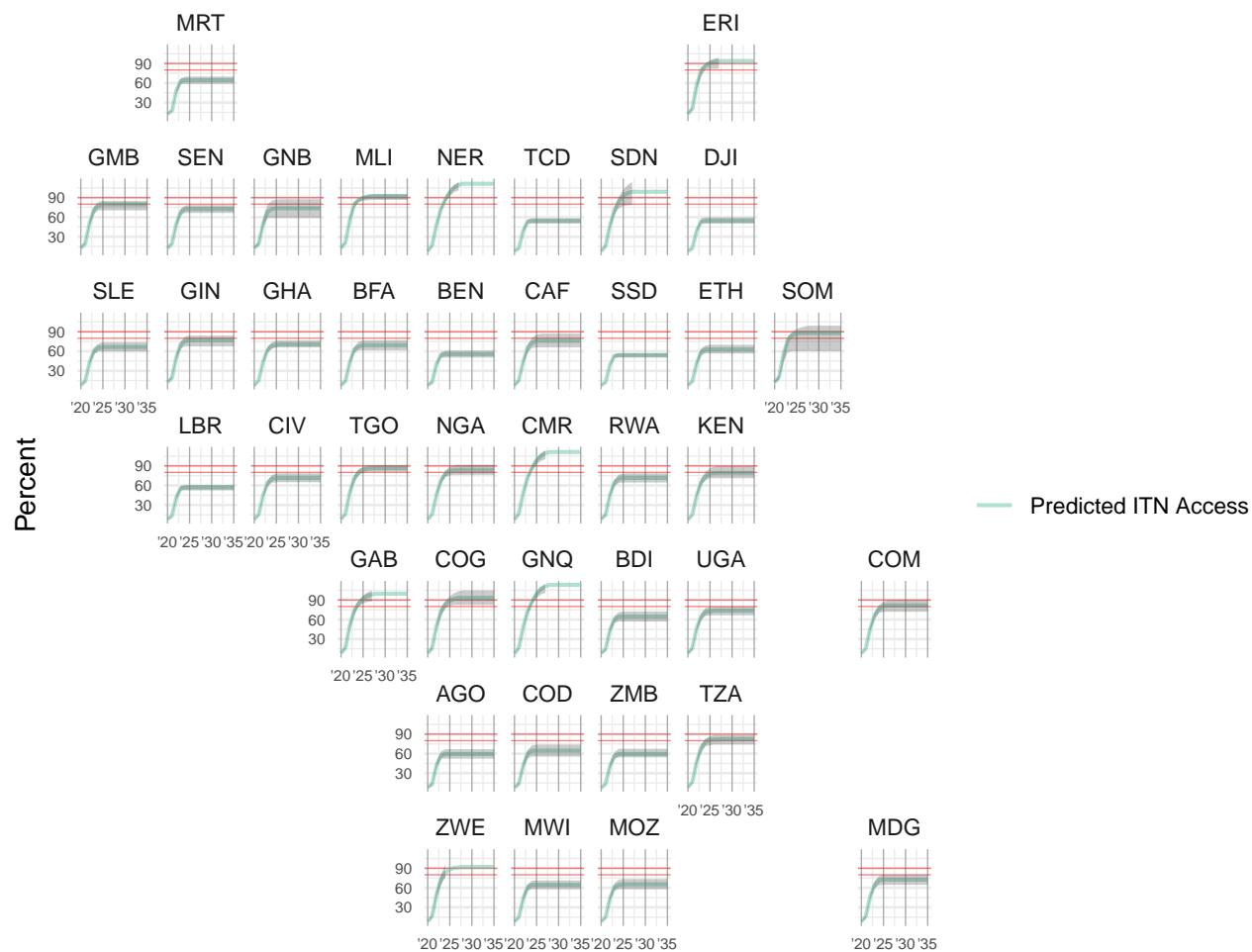
# ANC/EPI at 6% and annual school/community distribution at 17 % of the population



# ANC/EPI at 6% and annual school/community distribution at 18 % of the population

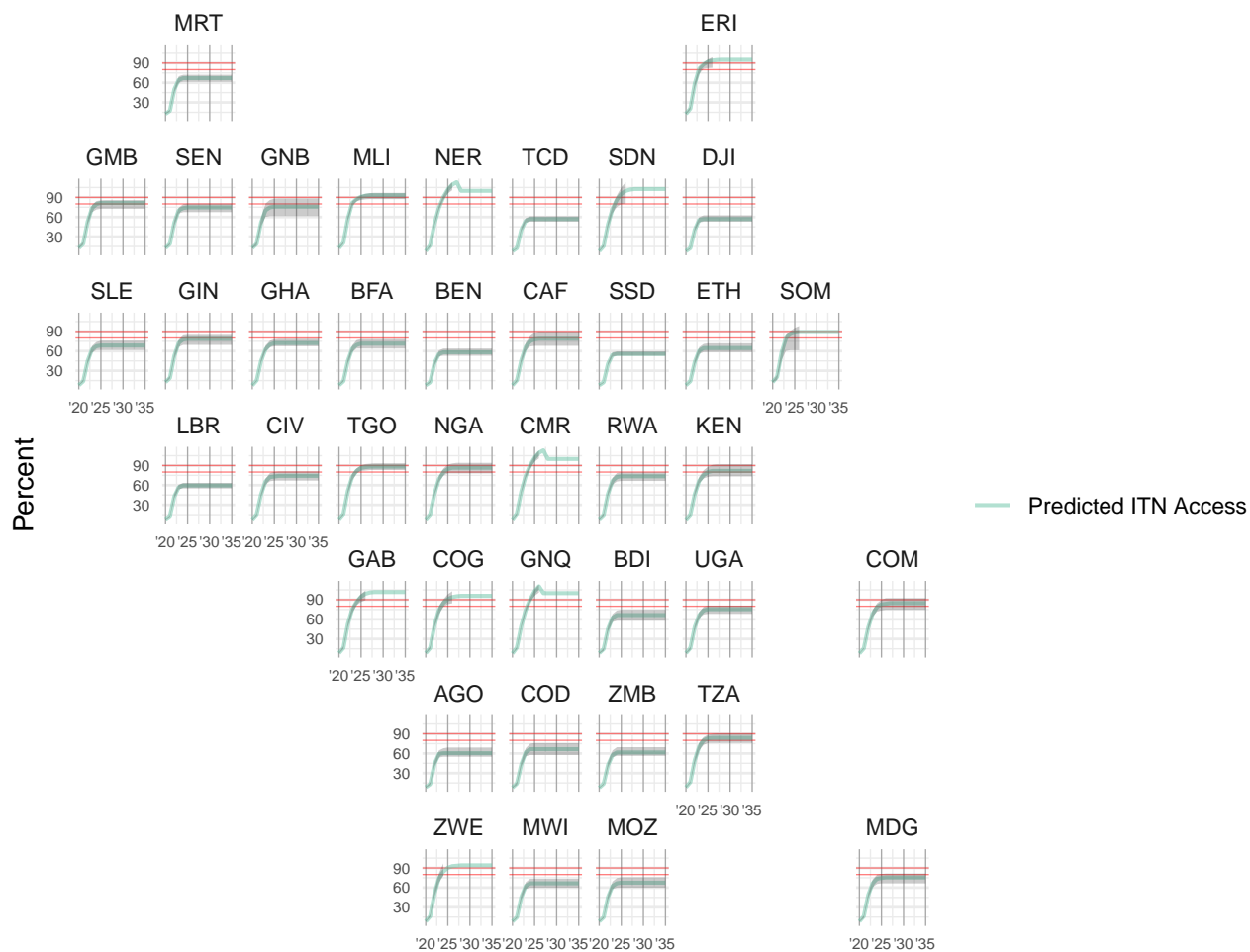


# ANC/EPI at 6% and annual school/community distribution at 19 % of the population

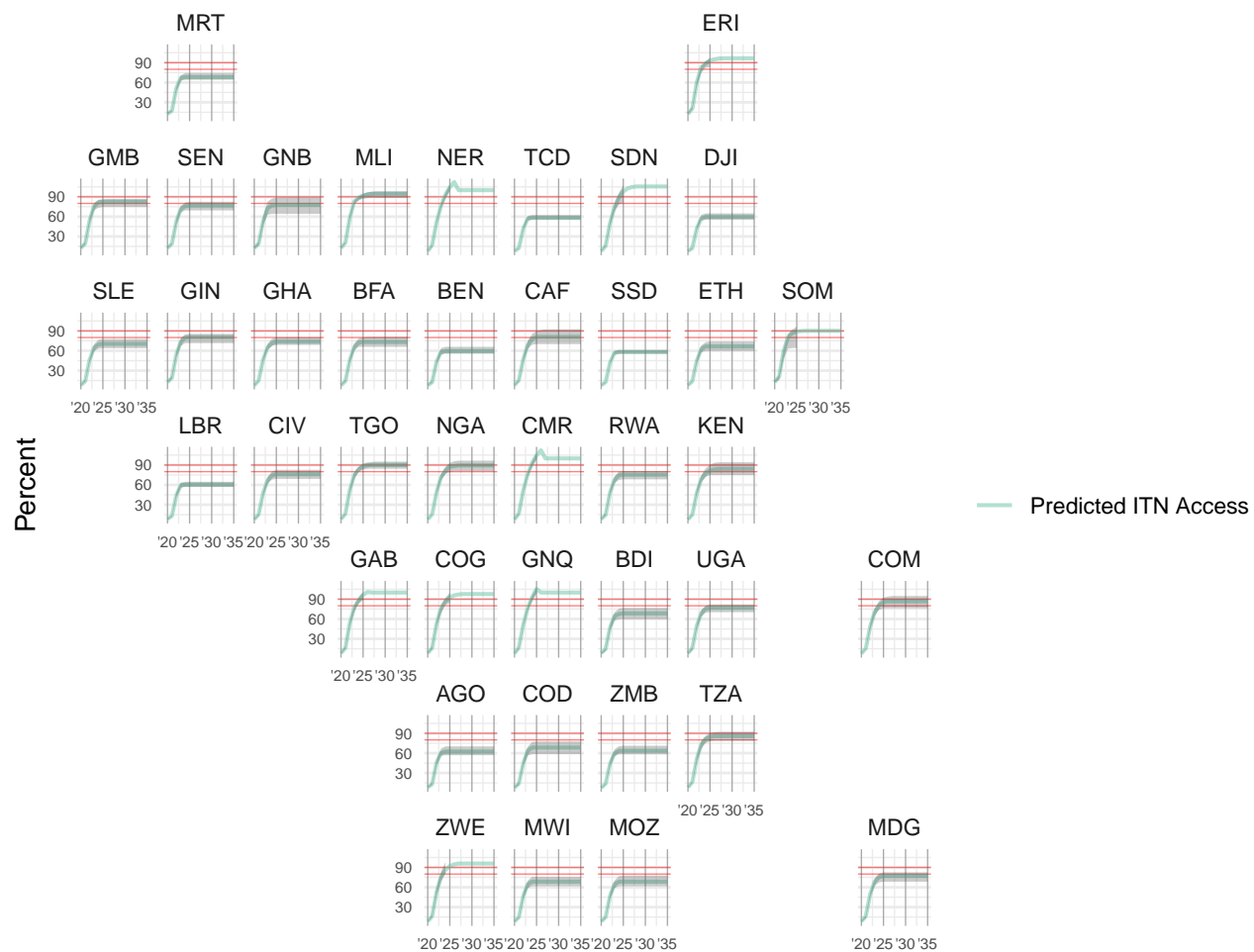




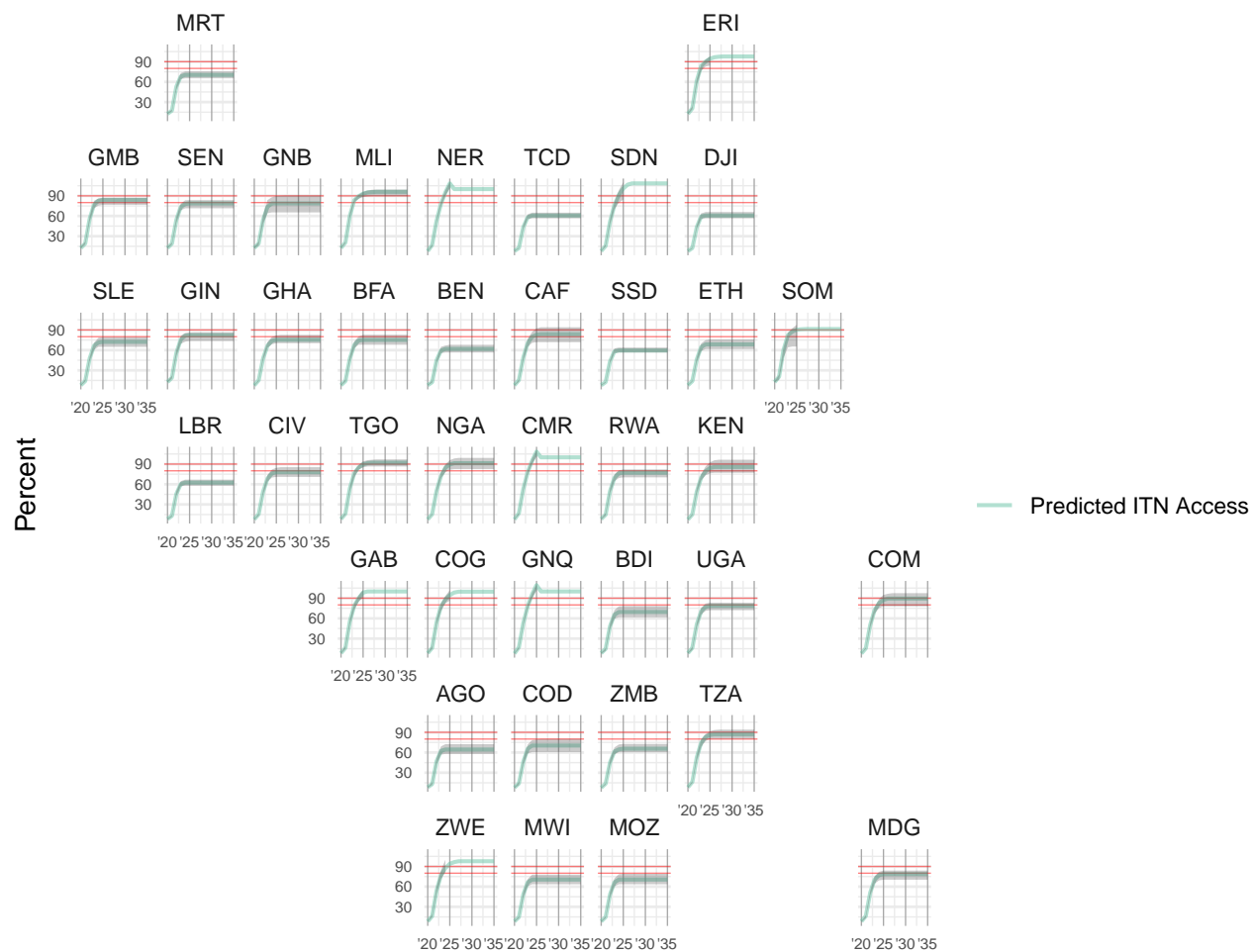
# ANC/EPI at 6% and annual school/community distribution at 20 % of the population



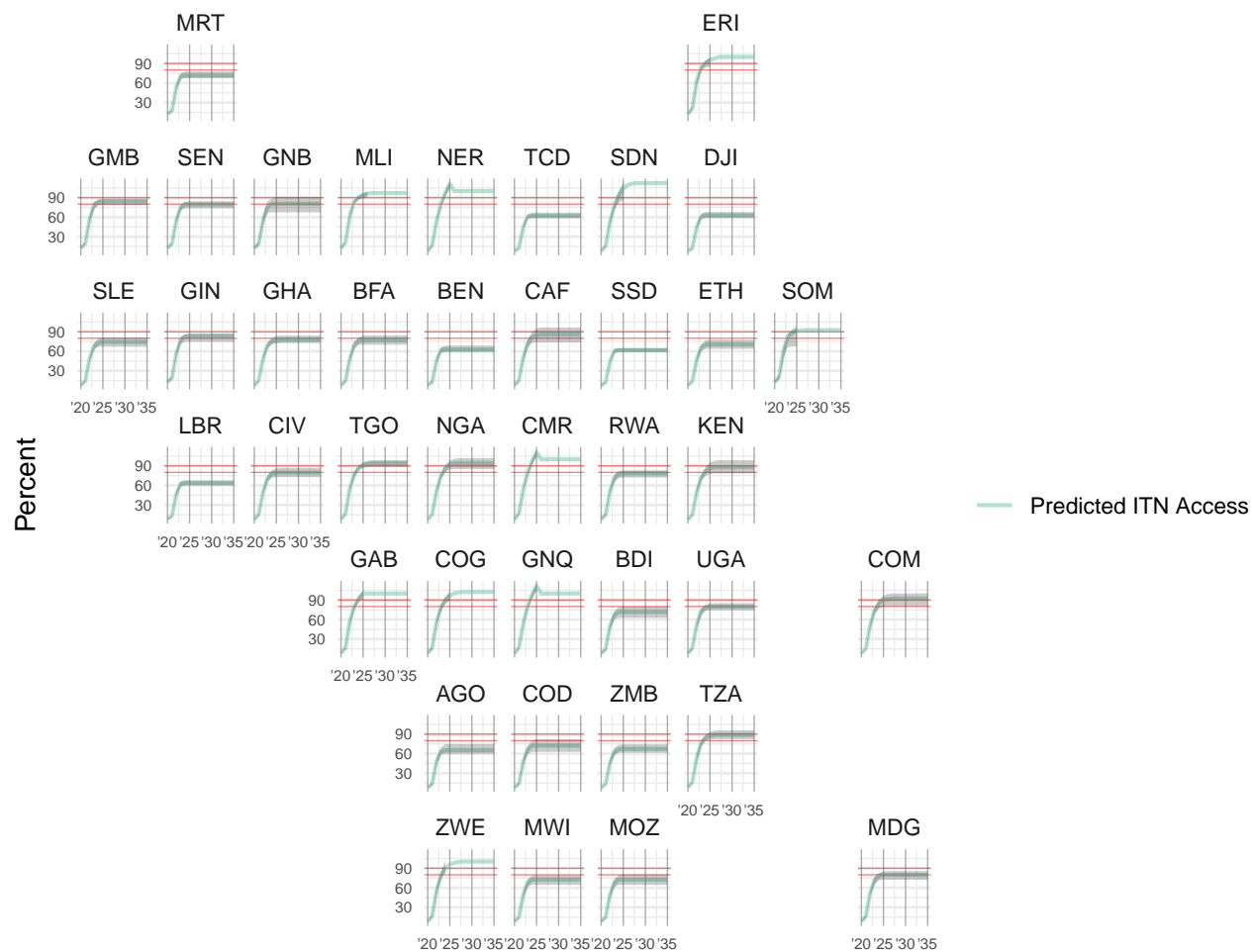
# ANC/EPI at 6% and annual school/community distribution at 21 % of the population



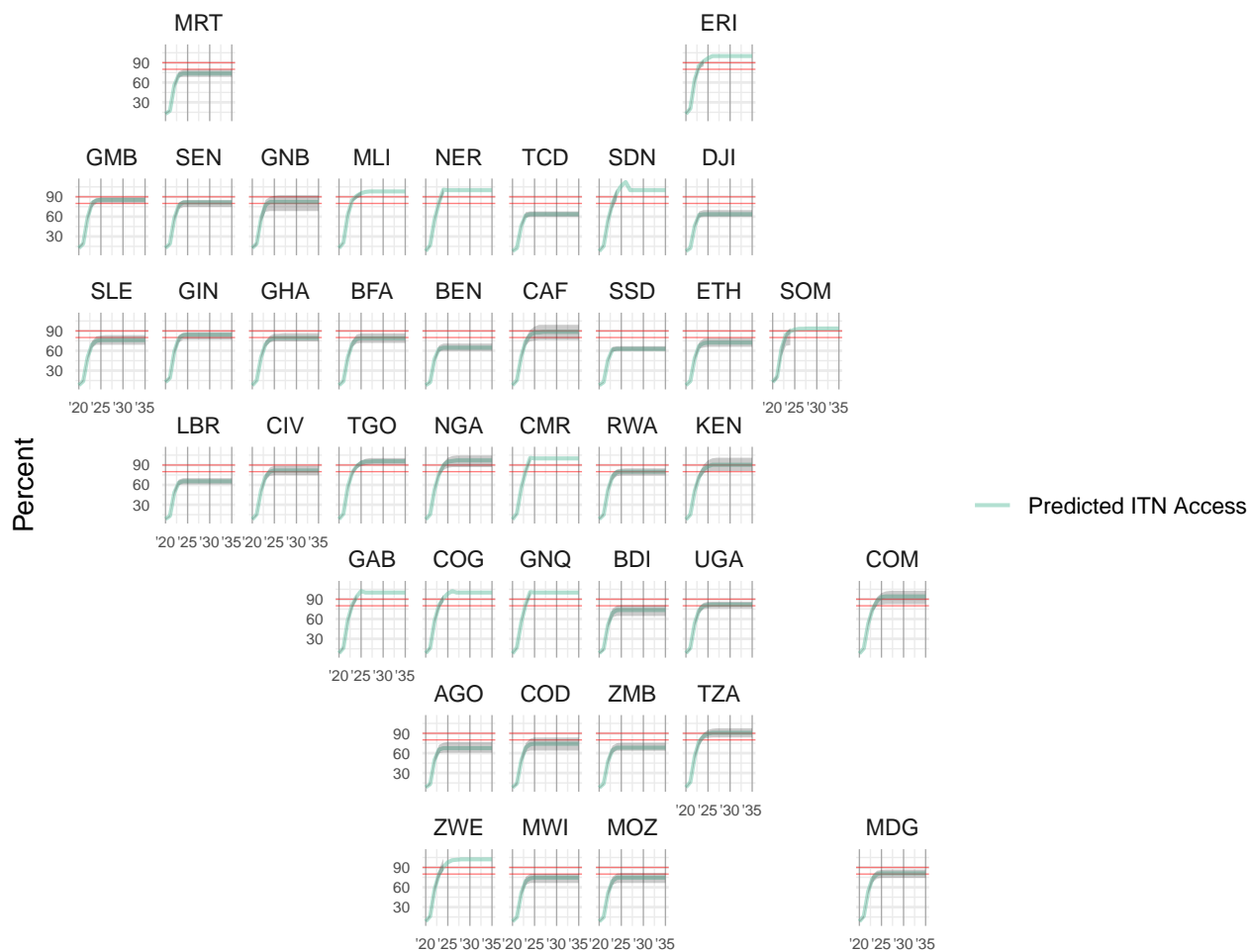
# ANC/EPI at 6% and annual school/community distribution at 22 % of the population



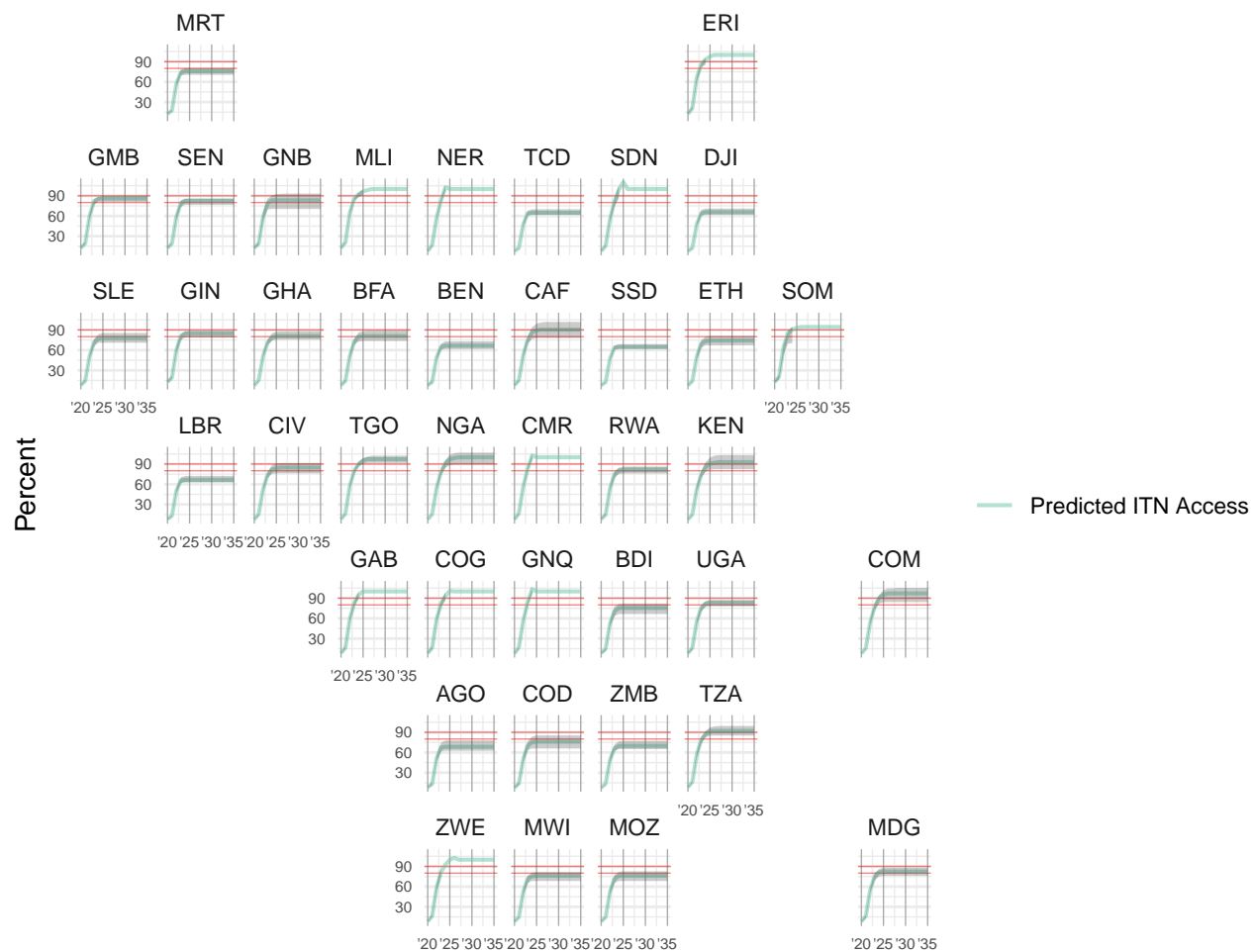
# ANC/EPI at 6% and annual school/community distribution at 23 % of the population



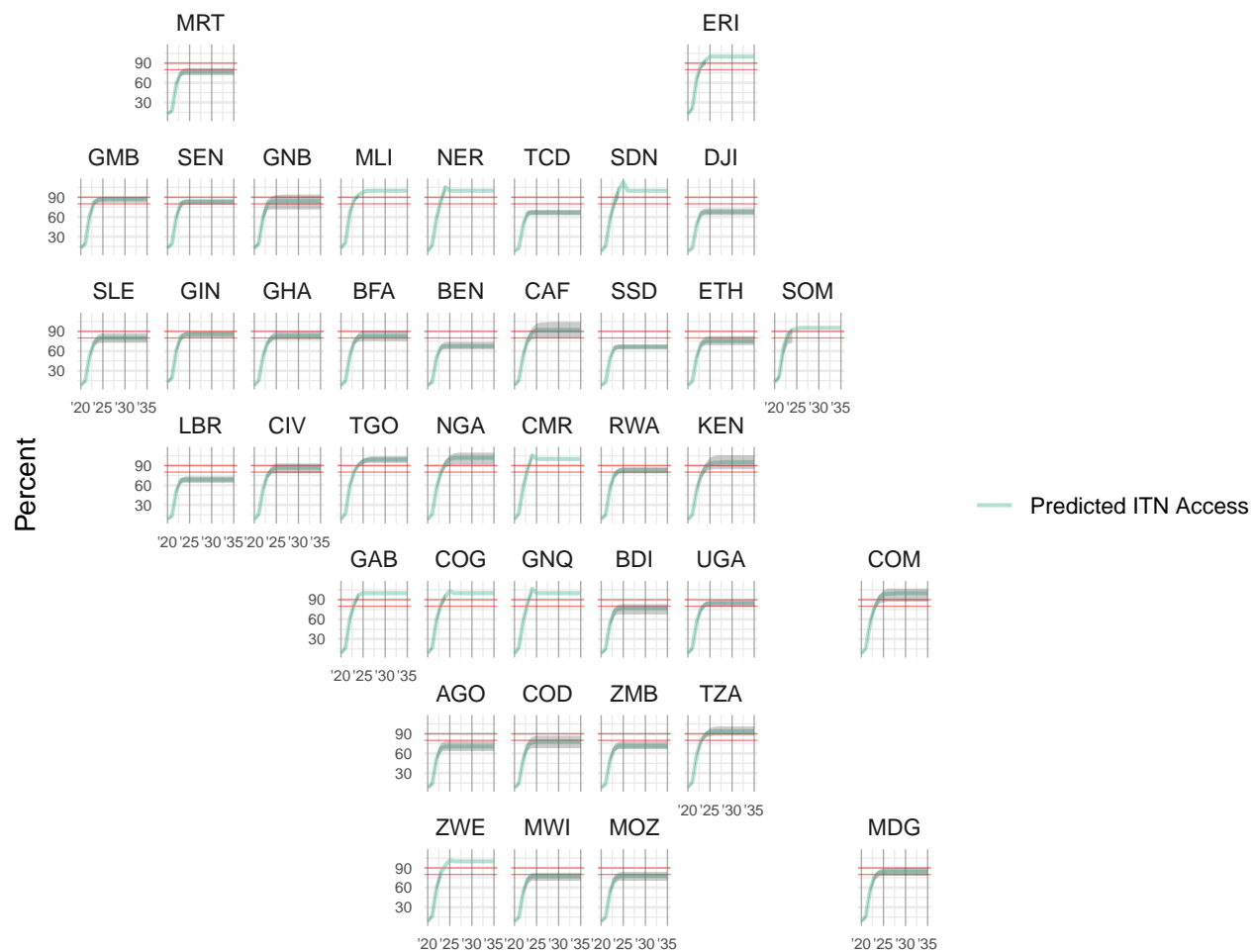
# ANC/EPI at 6% and annual school/community distribution at 24 % of the population



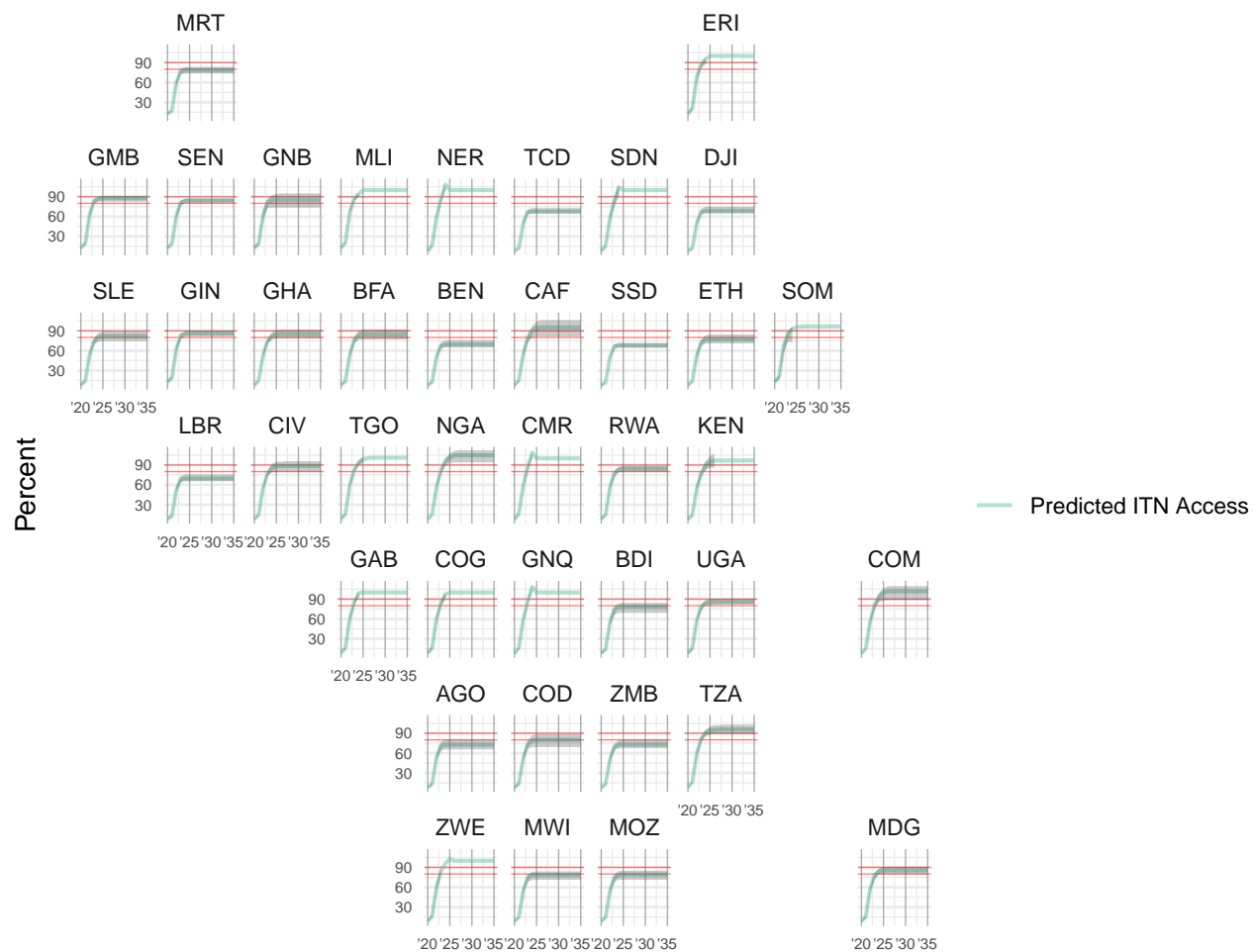
# ANC/EPI at 6% and annual school/community distribution at 25 % of the population



# ANC/EPI at 6% and annual school/community distribution at 26 % of the population

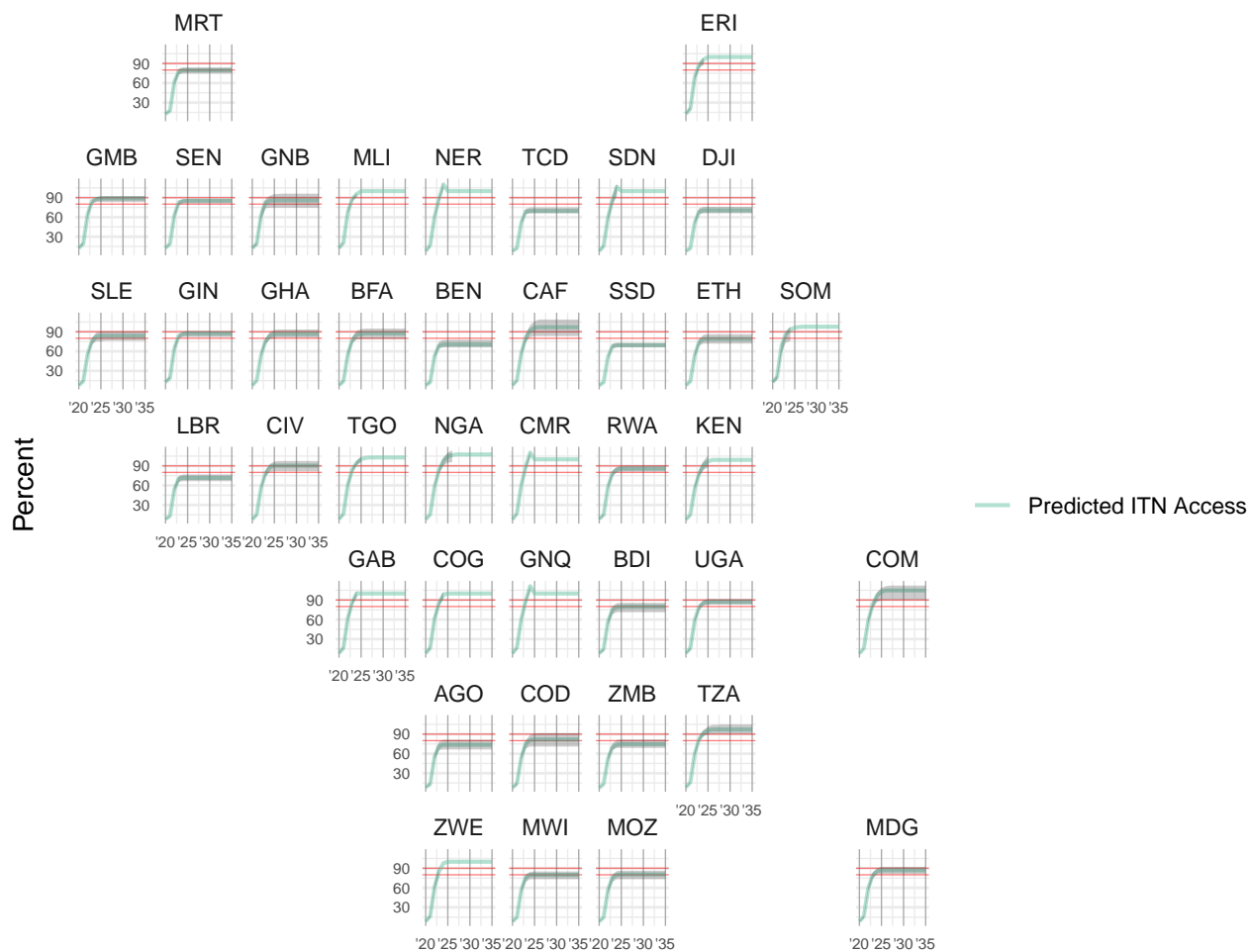


# ANC/EPI at 6% and annual school/community distribution at 27 % of the population

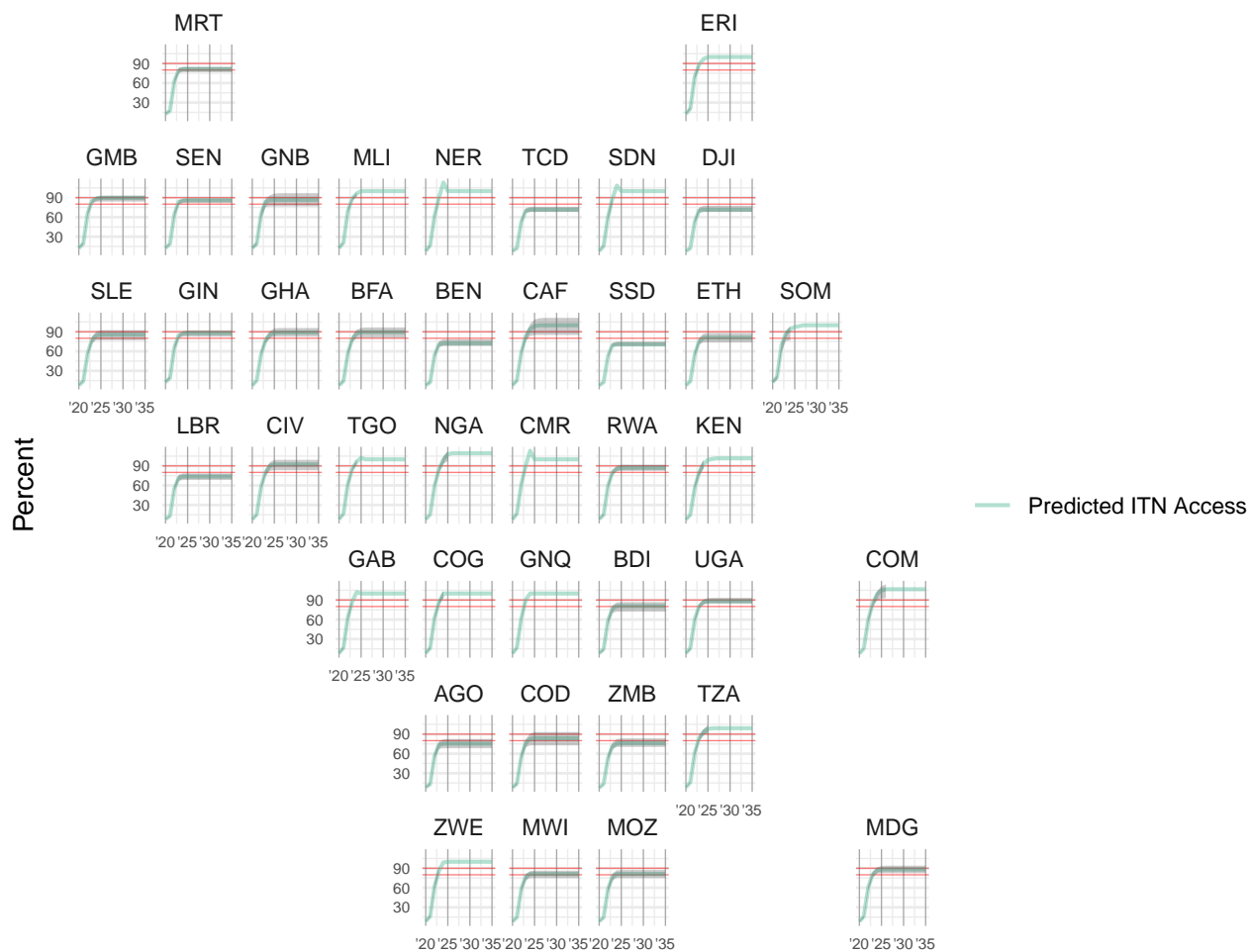




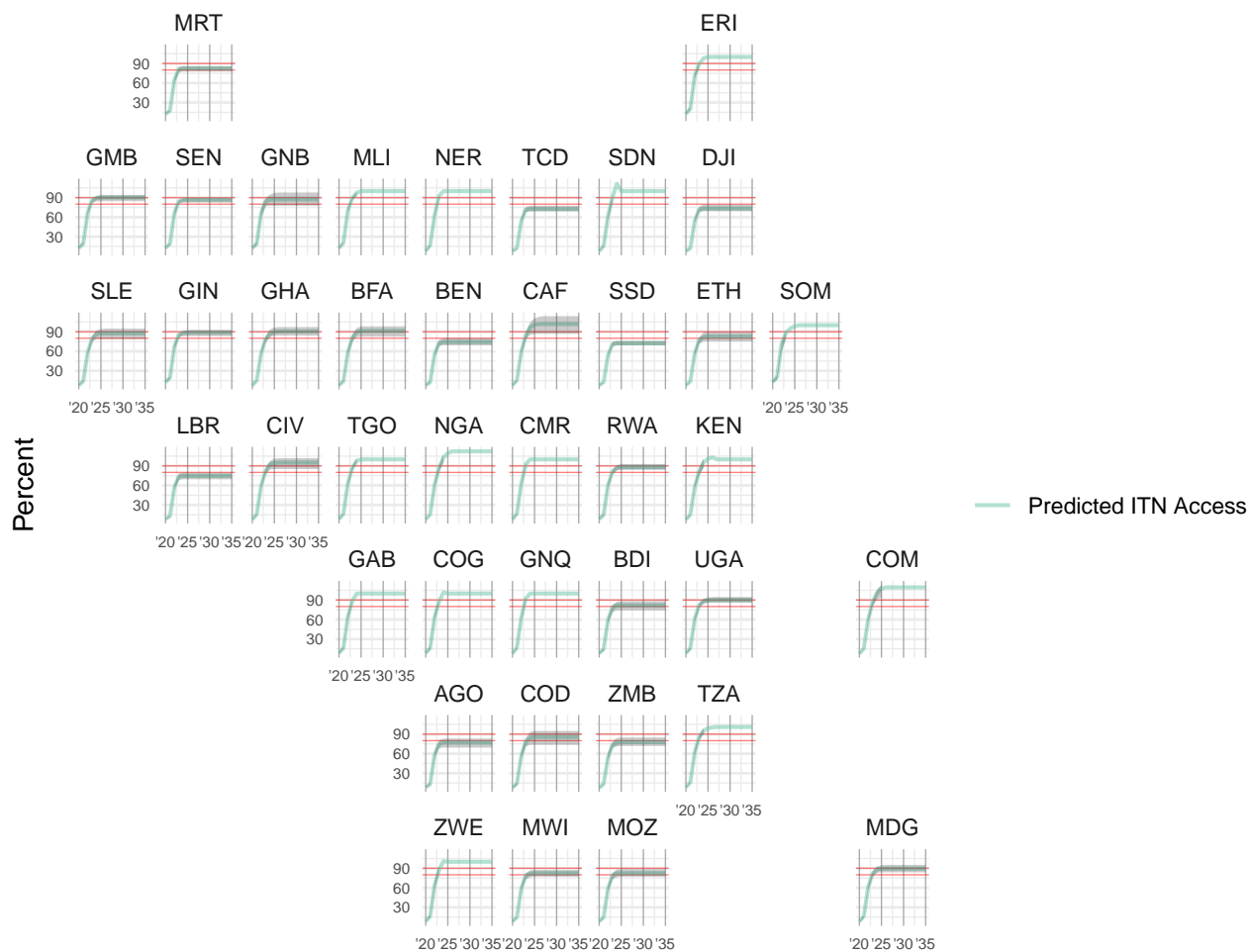
# ANC/EPI at 6% and annual school/community distribution at 28 % of the population



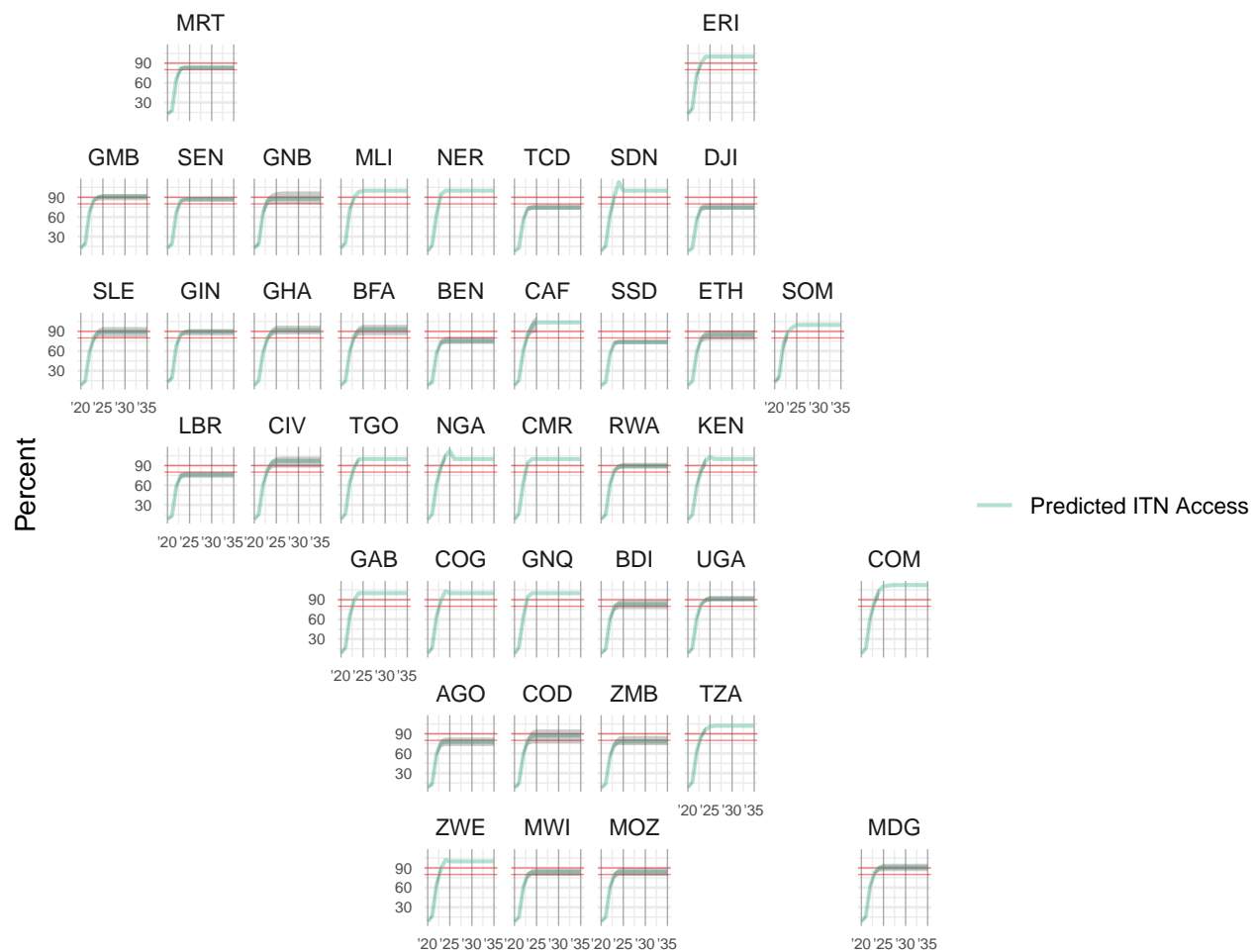
# ANC/EPI at 6% and annual school/community distribution at 29 % of the population



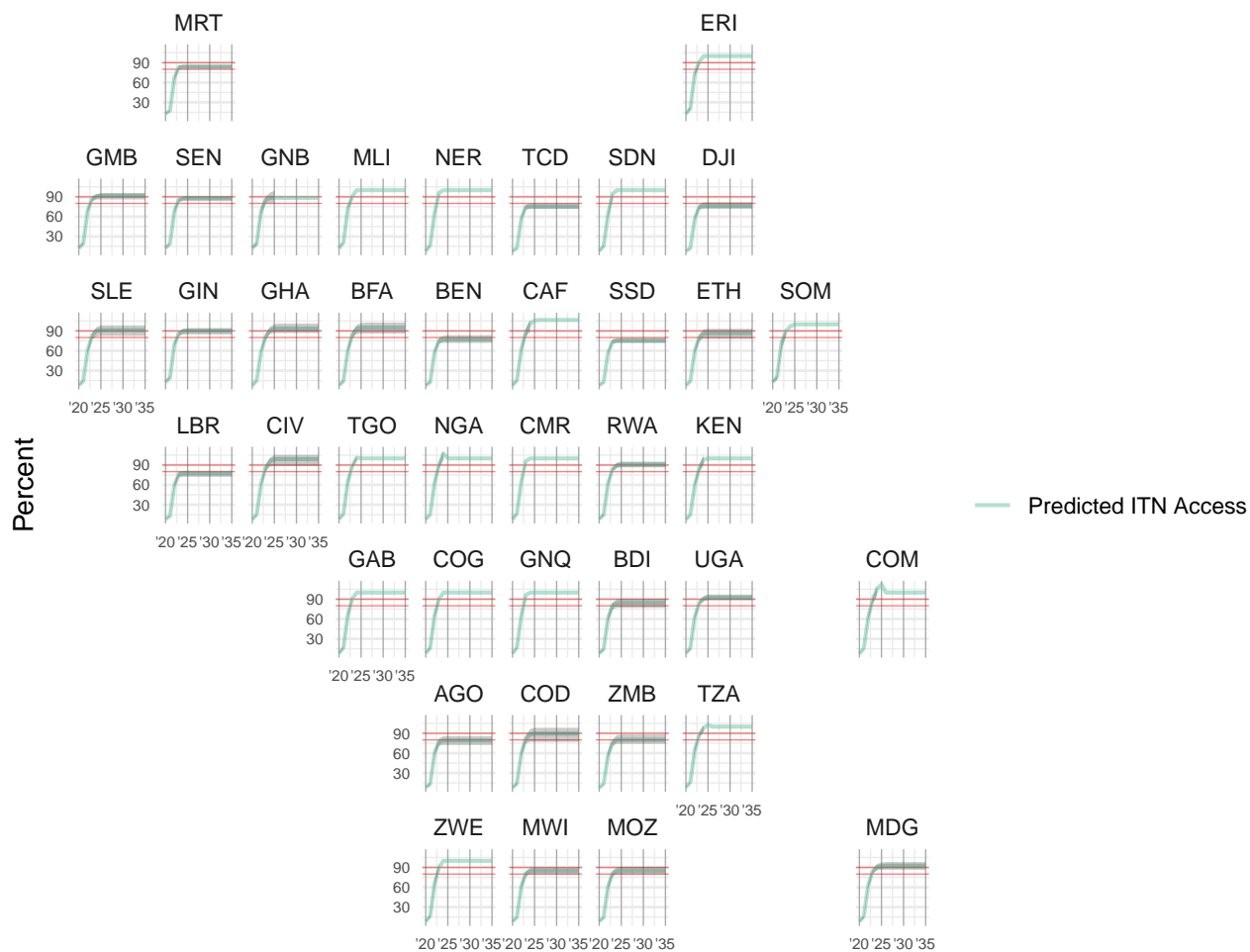
# ANC/EPI at 6% and annual school/community distribution at 30 % of the population



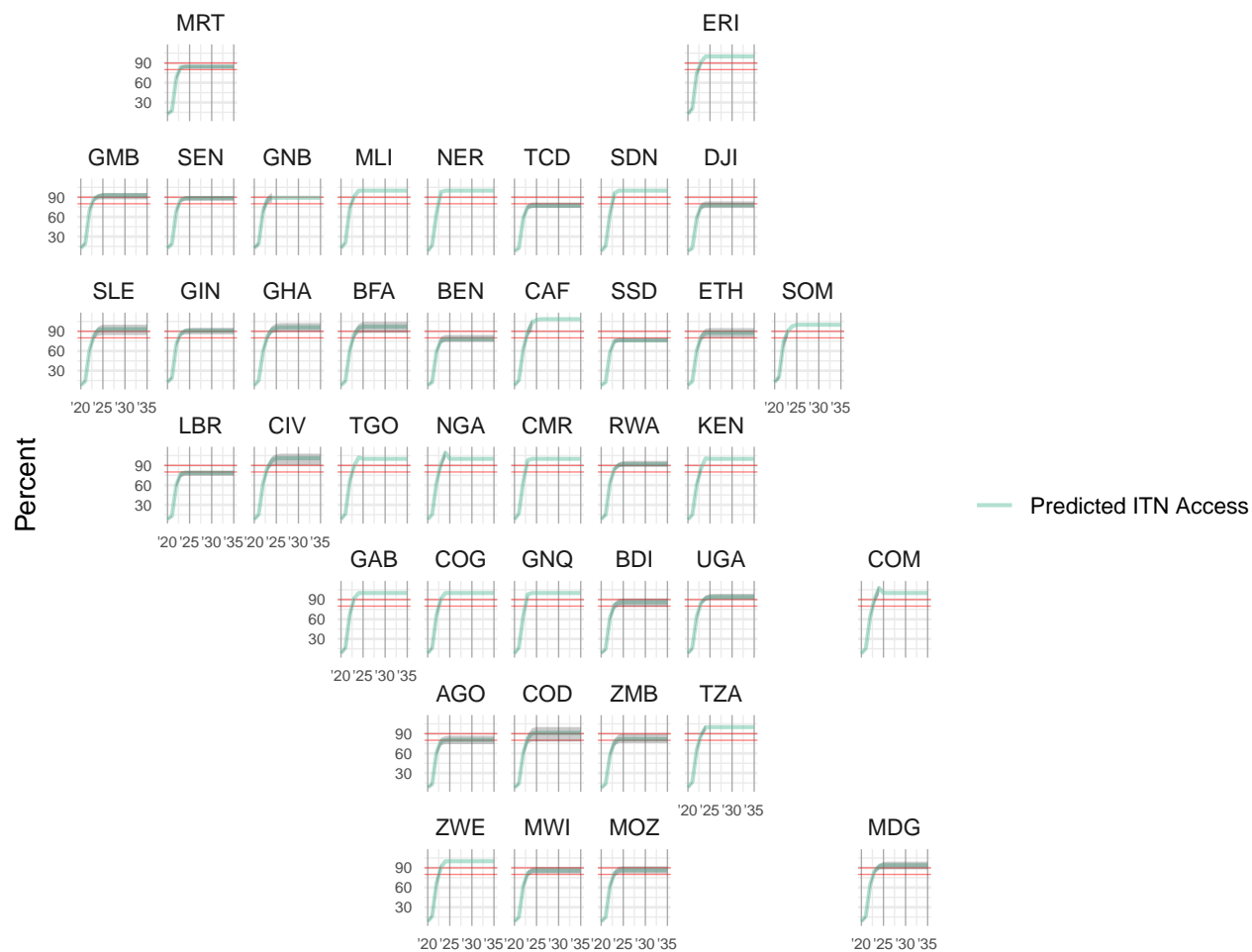
# ANC/EPI at 6% and annual school/community distribution at 31 % of the population



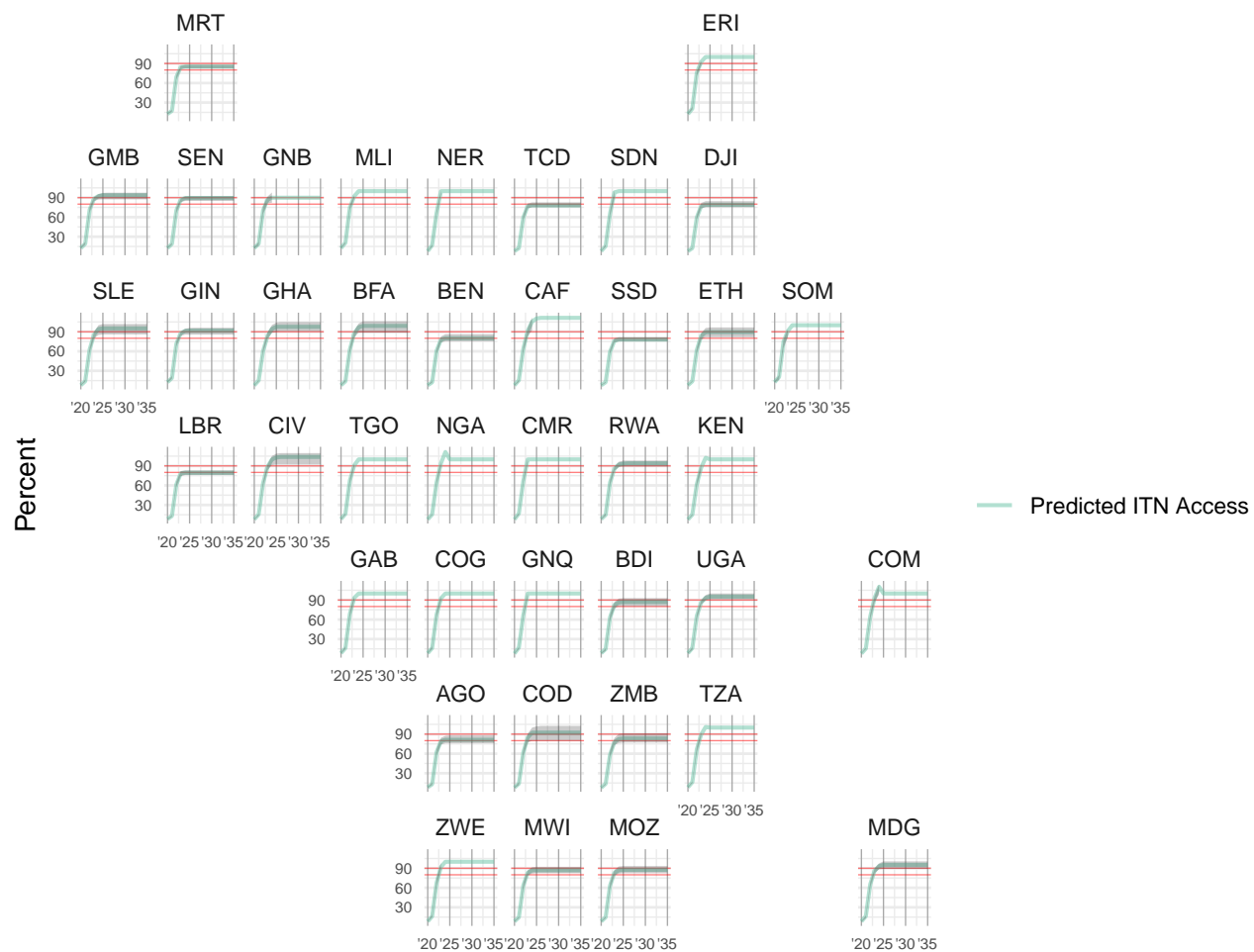
# ANC/EPI at 6% and annual school/community distribution at 32 % of the population



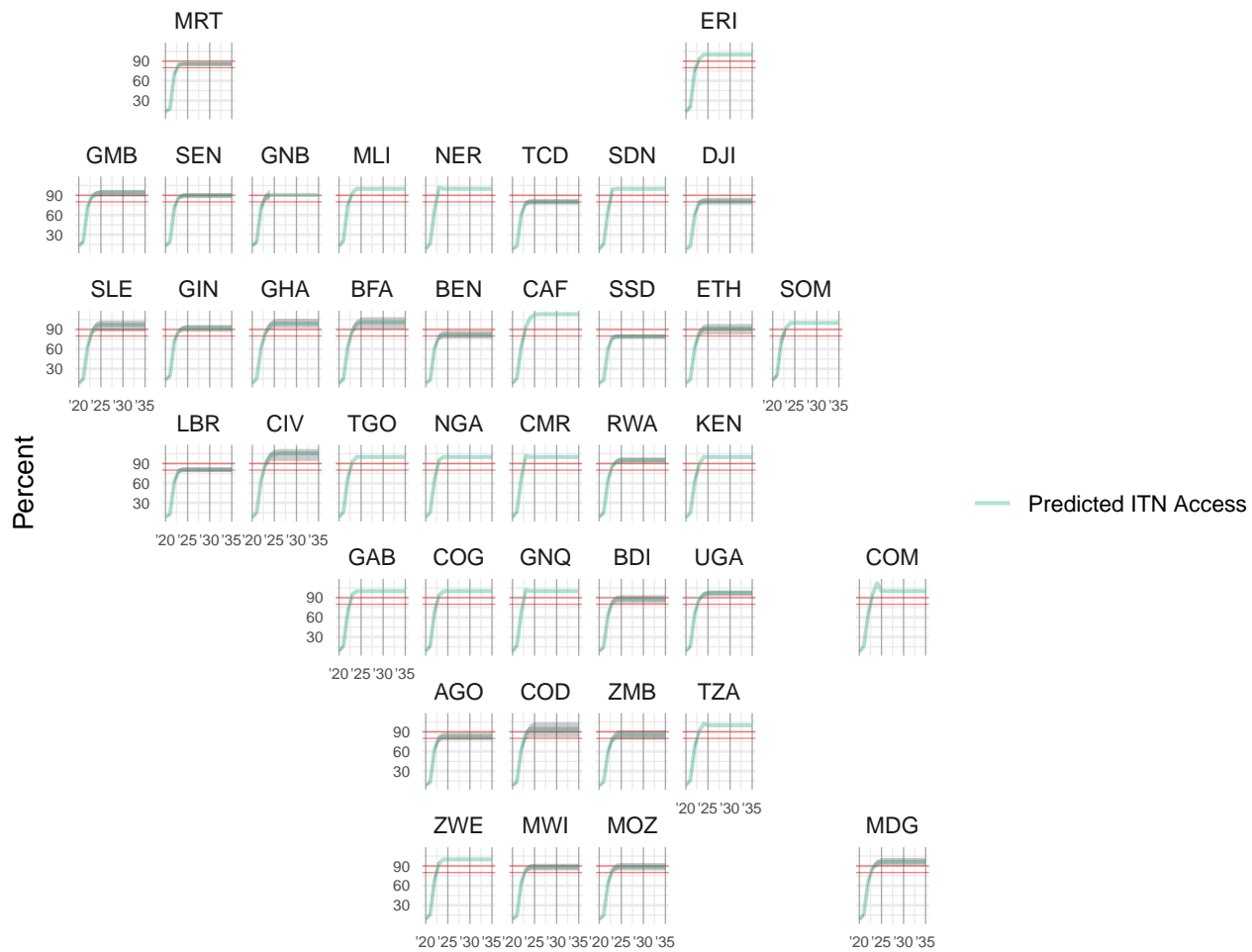
# ANC/EPI at 6% and annual school/community distribution at 33 % of the population



# ANC/EPI at 6% and annual school/community distribution at 34 % of the population

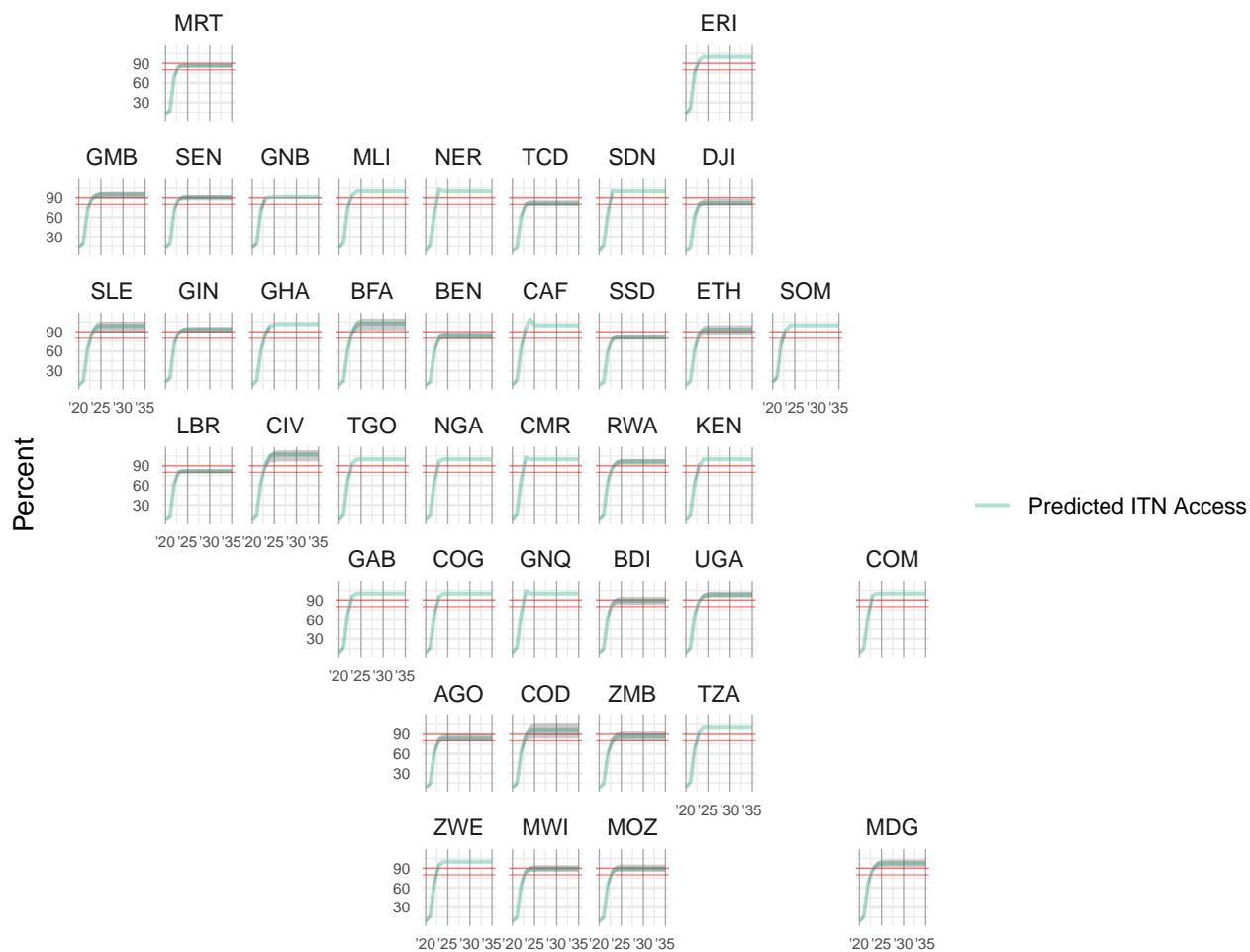


ANC/EPI at 6% and annual school/community distribution at 35 % of the population

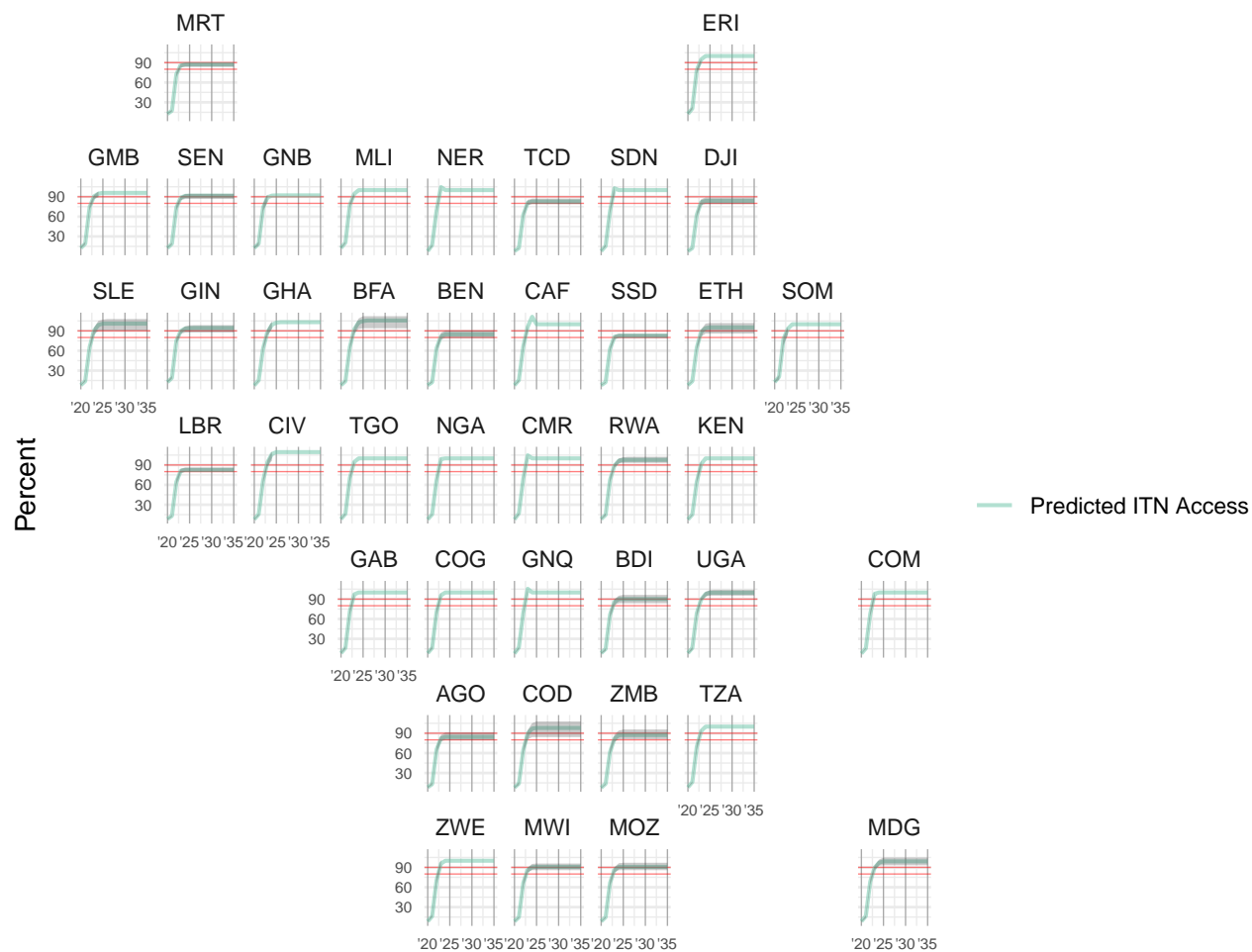




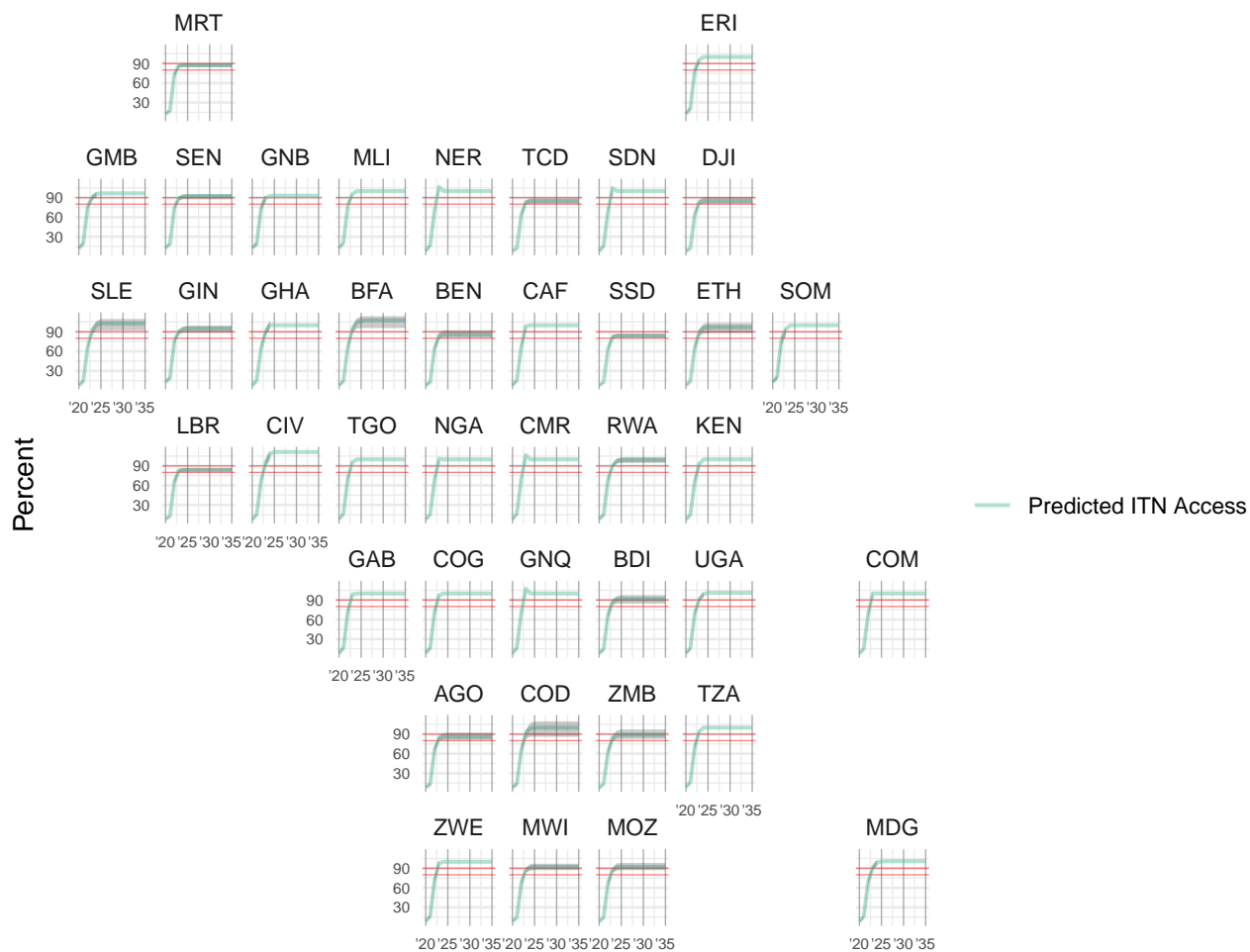
# ANC/EPI at 6% and annual school/community distribution at 36 % of the population



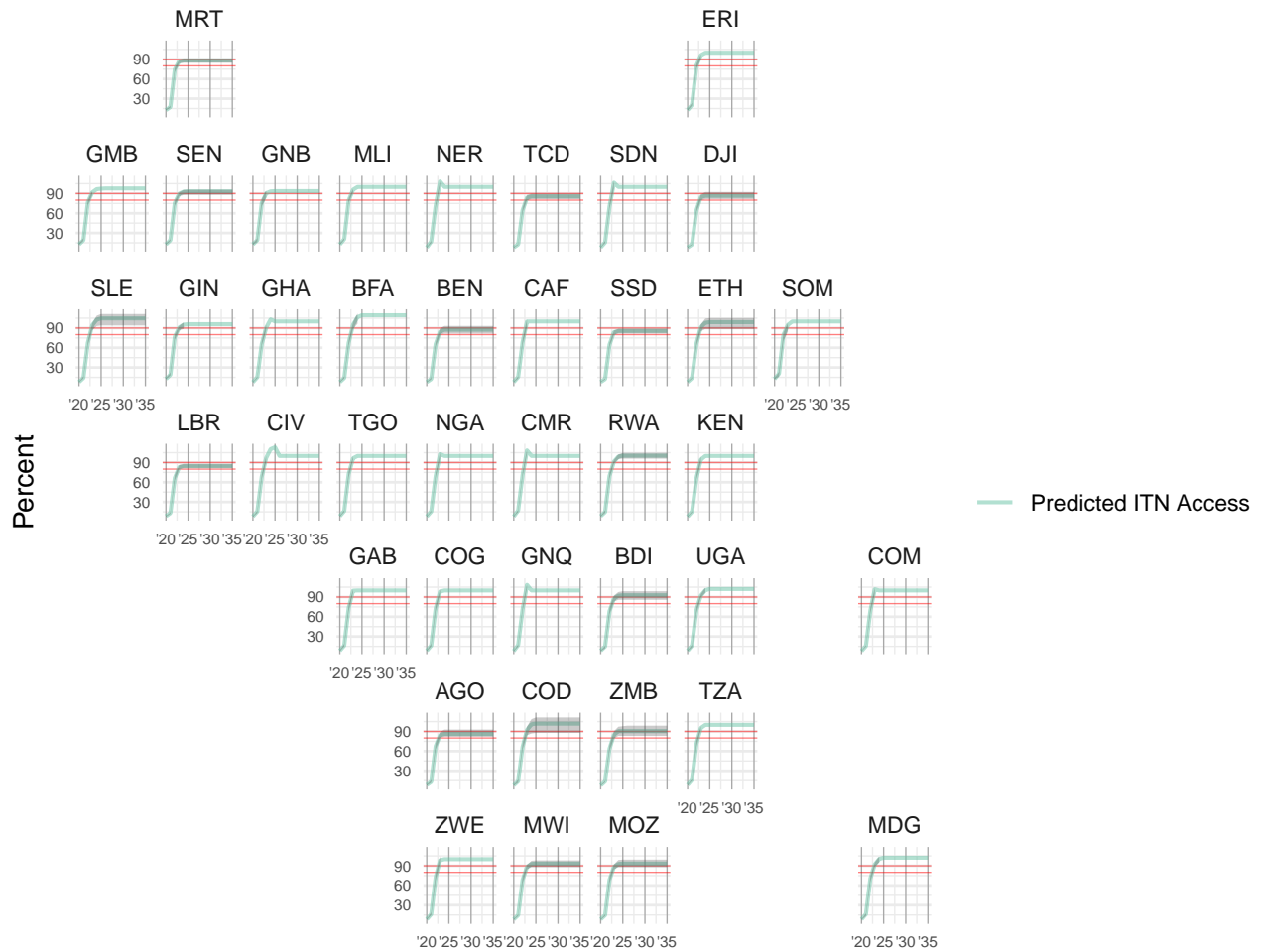
# ANC/EPI at 6% and annual school/community distribution at 37 % of the population



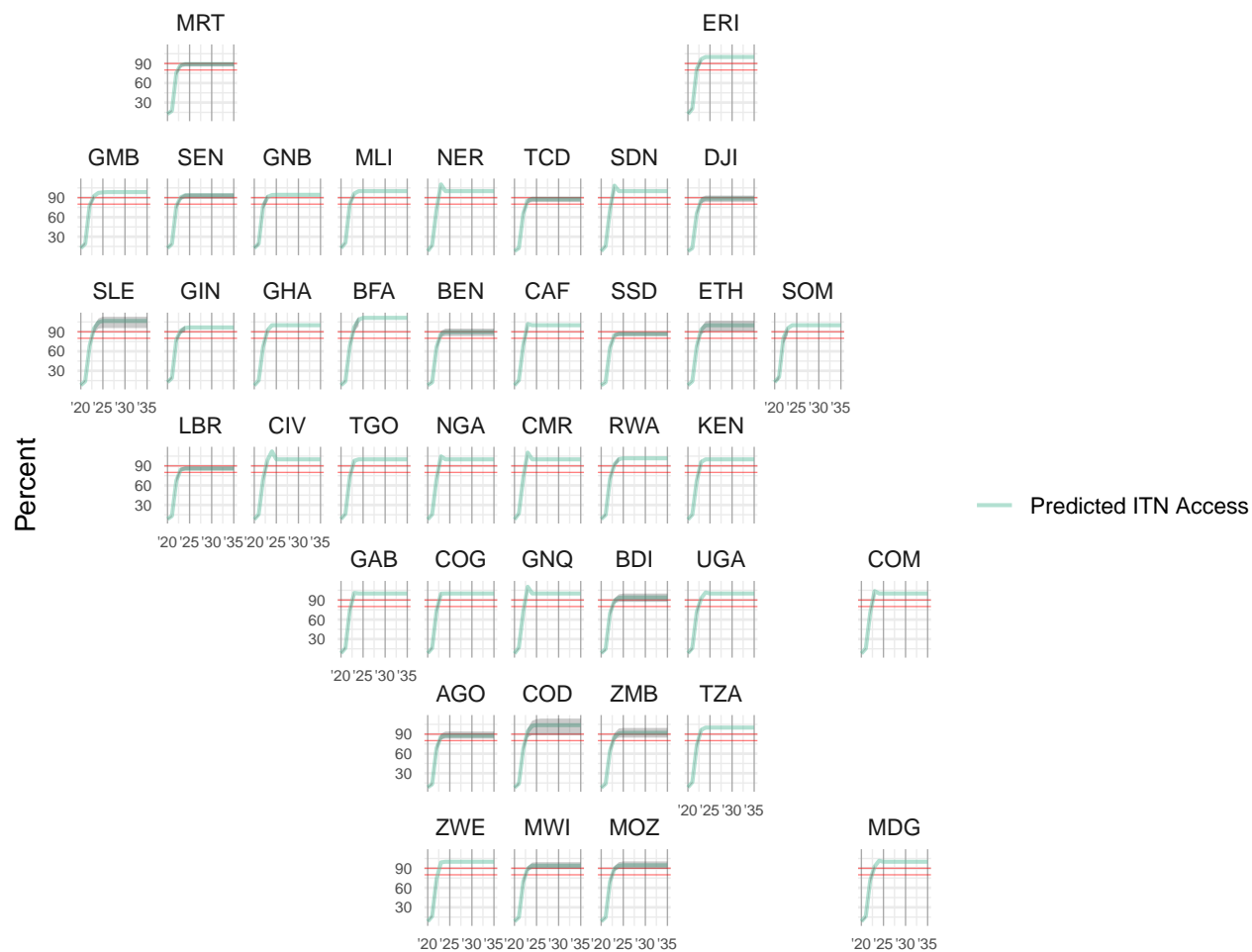
# ANC/EPI at 6% and annual school/community distribution at 38 % of the population



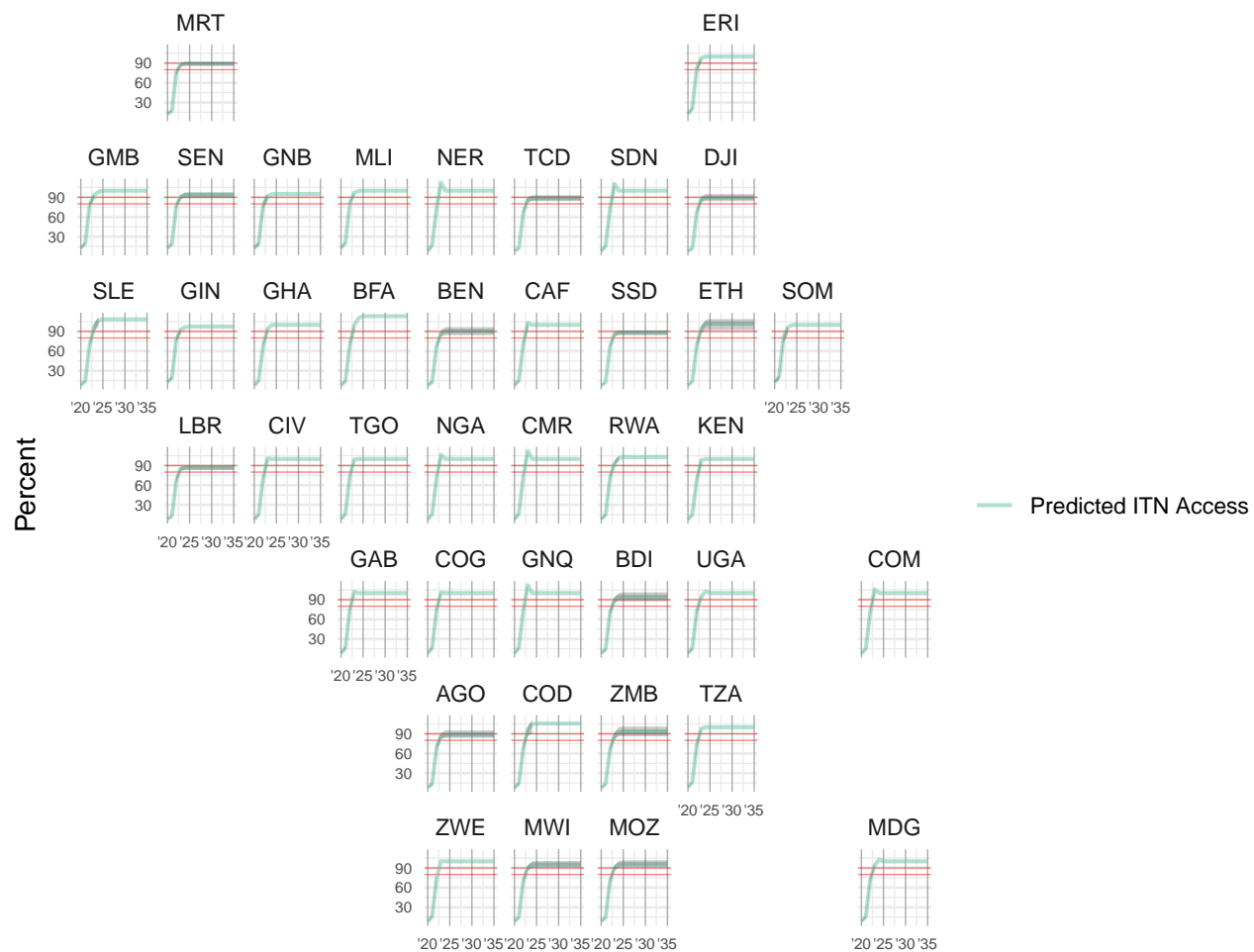
# ANC/EPI at 6% and annual school/community distribution at 39 % of the population



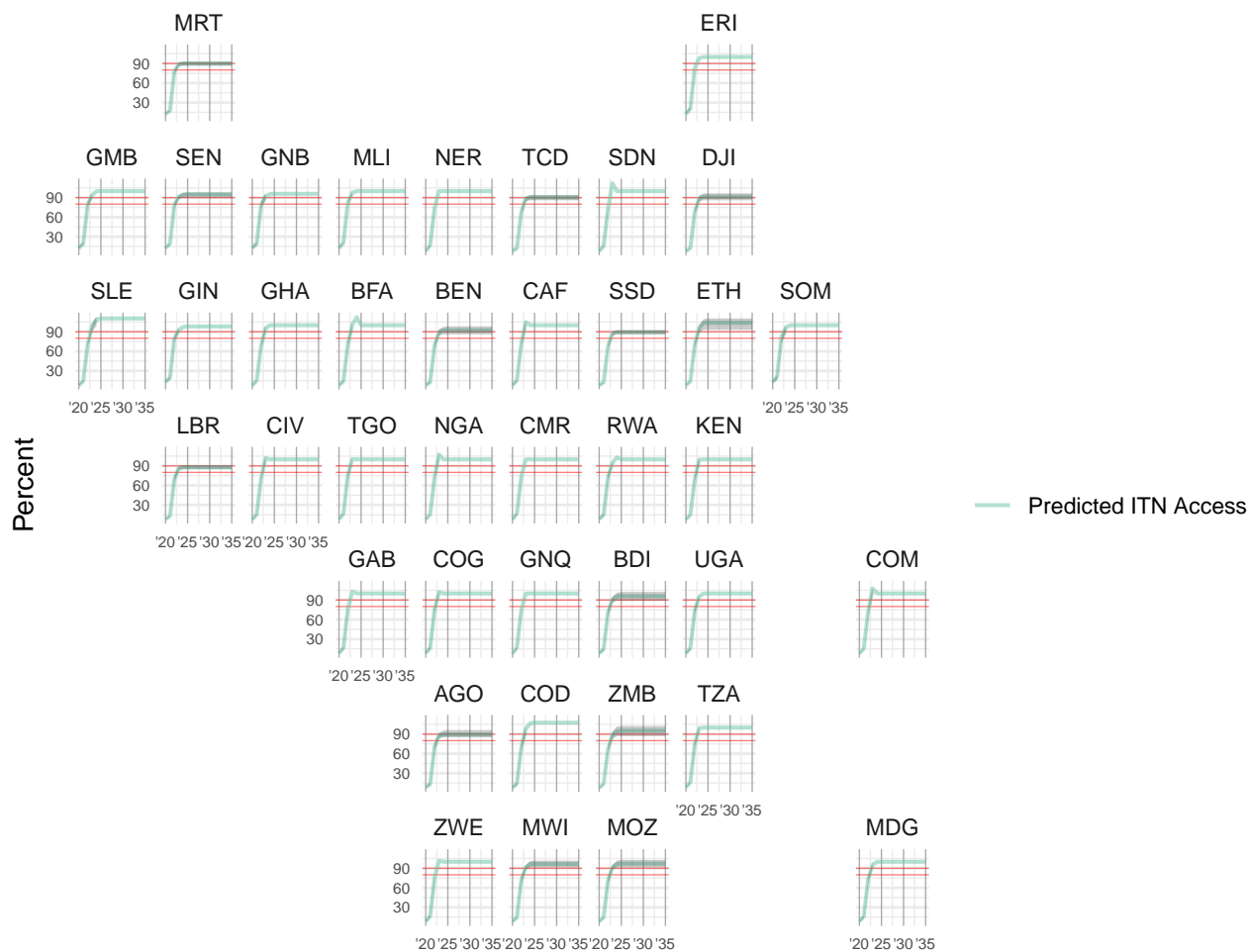
# ANC/EPI at 6% and annual school/community distribution at 40 % of the population



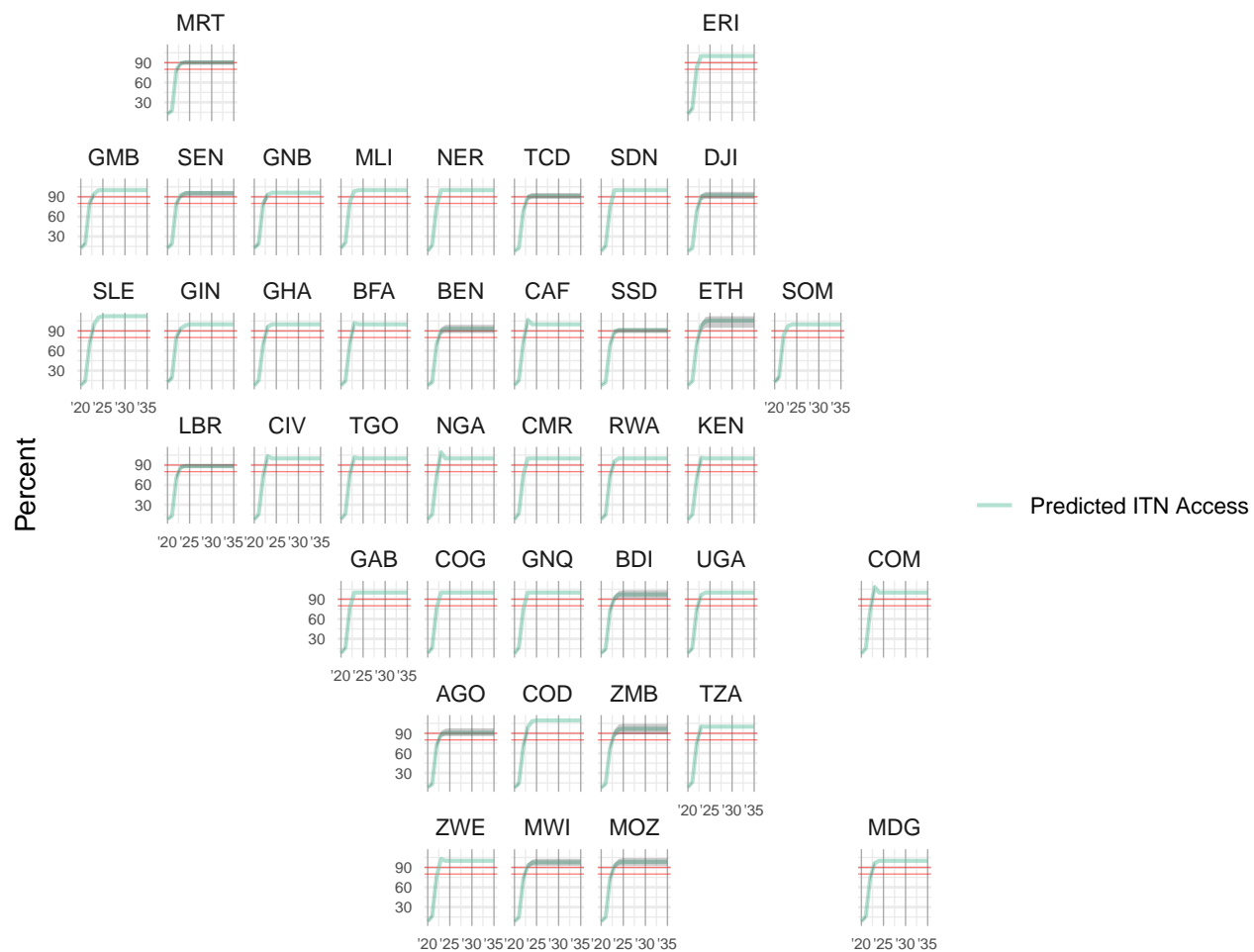
# ANC/EPI at 6% and annual school/community distribution at 41 % of the population



# ANC/EPI at 6% and annual school/community distribution at 42 % of the population

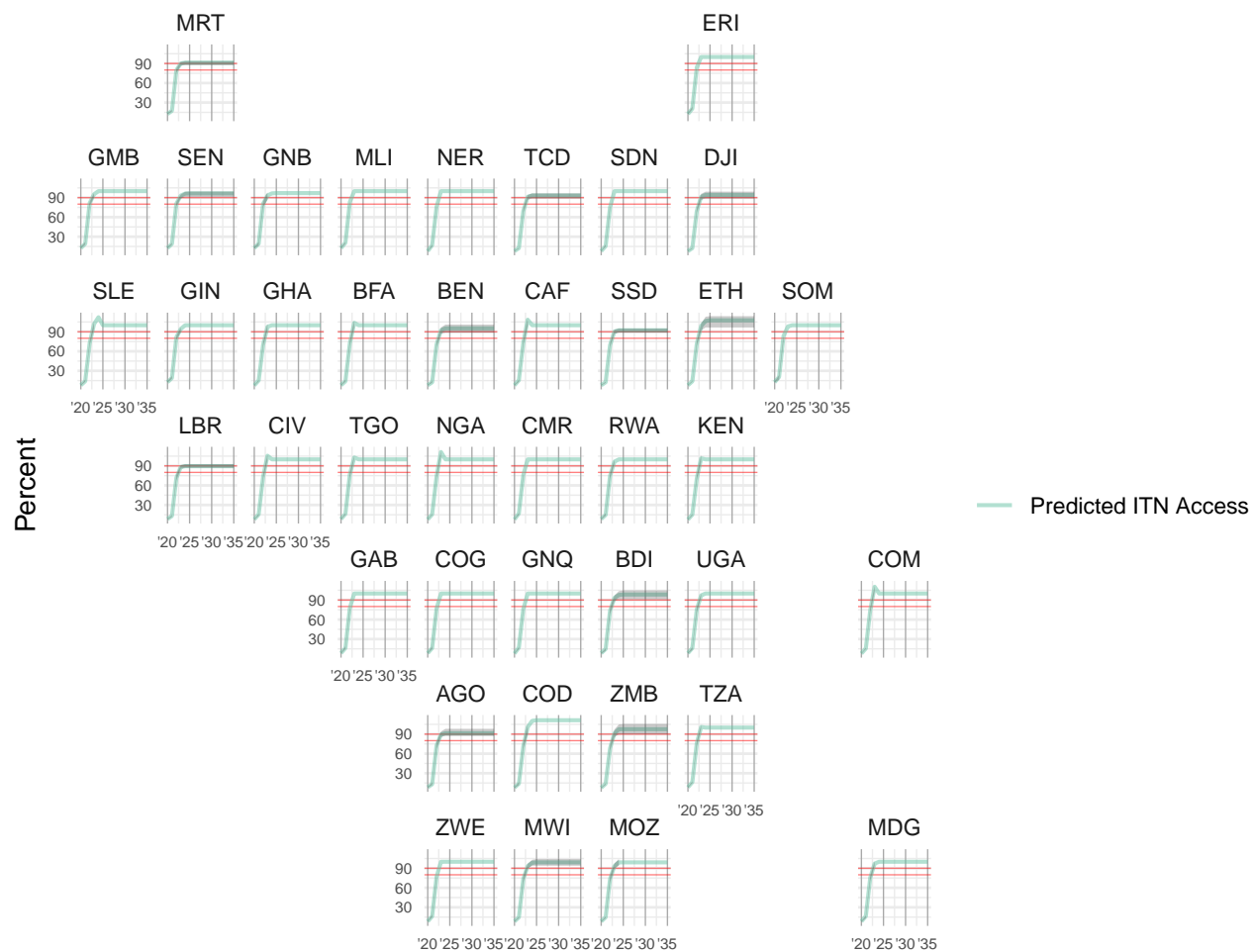


# ANC/EPI at 6% and annual school/community distribution at 43 % of the population

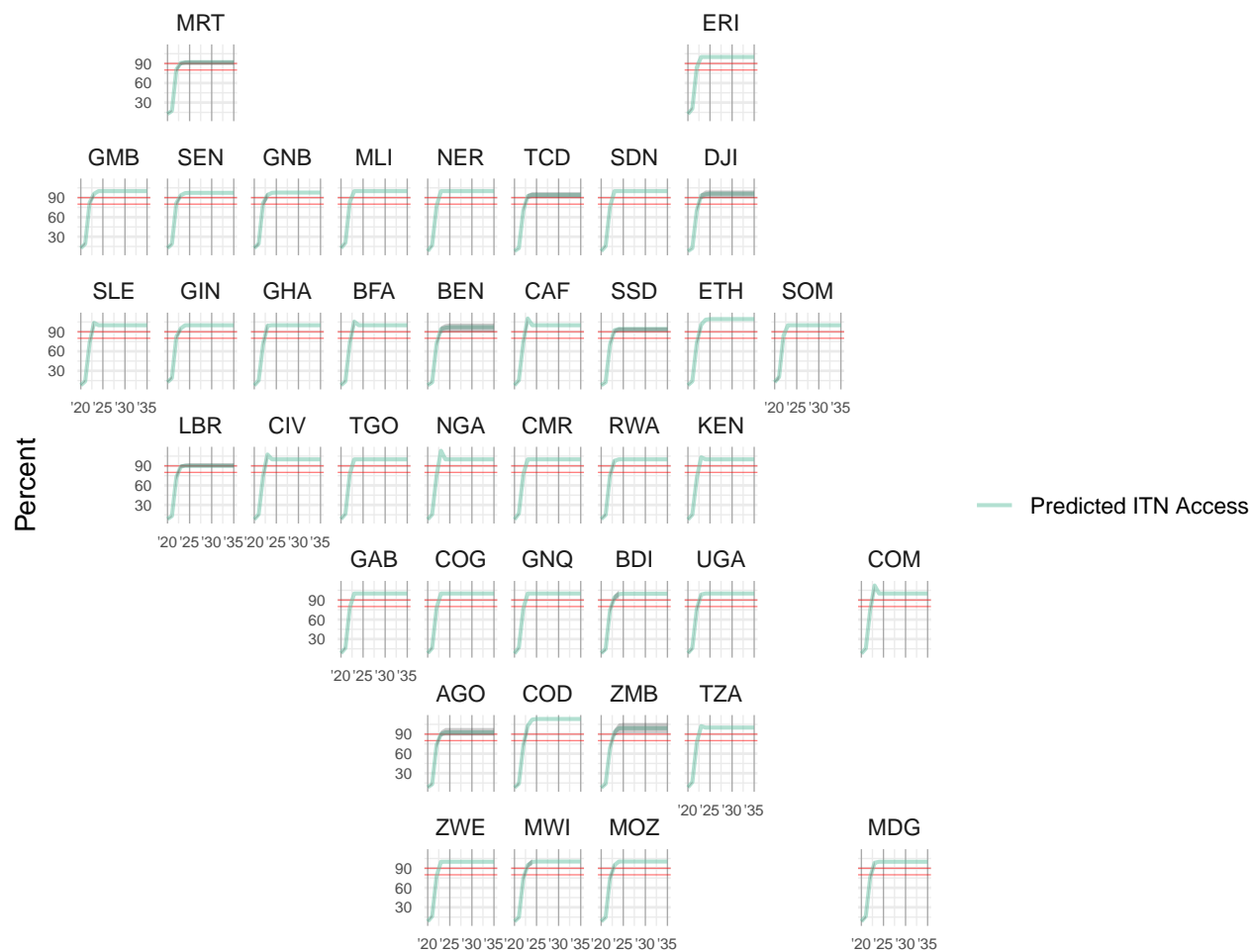




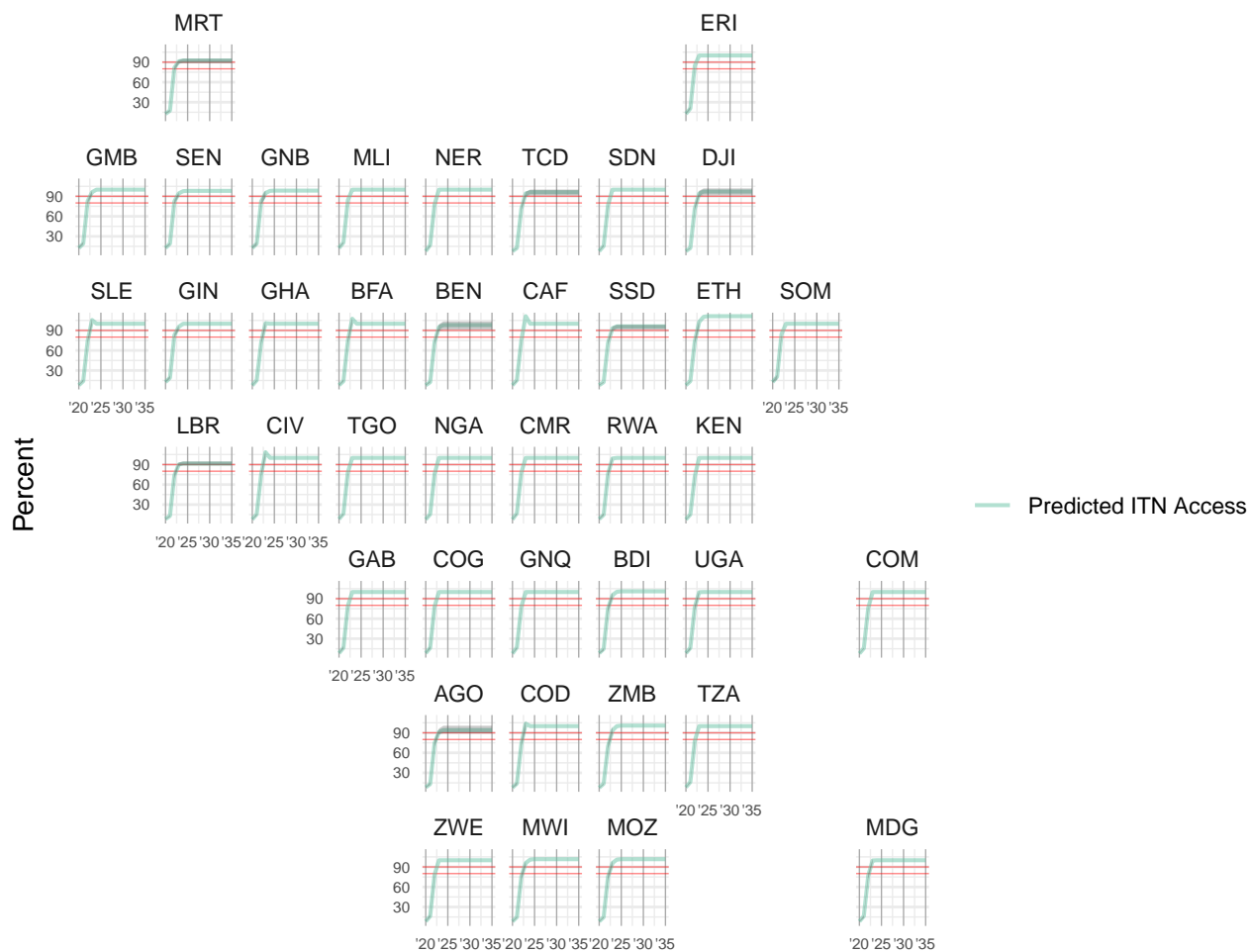
# ANC/EPI at 6% and annual school/community distribution at 44 % of the population



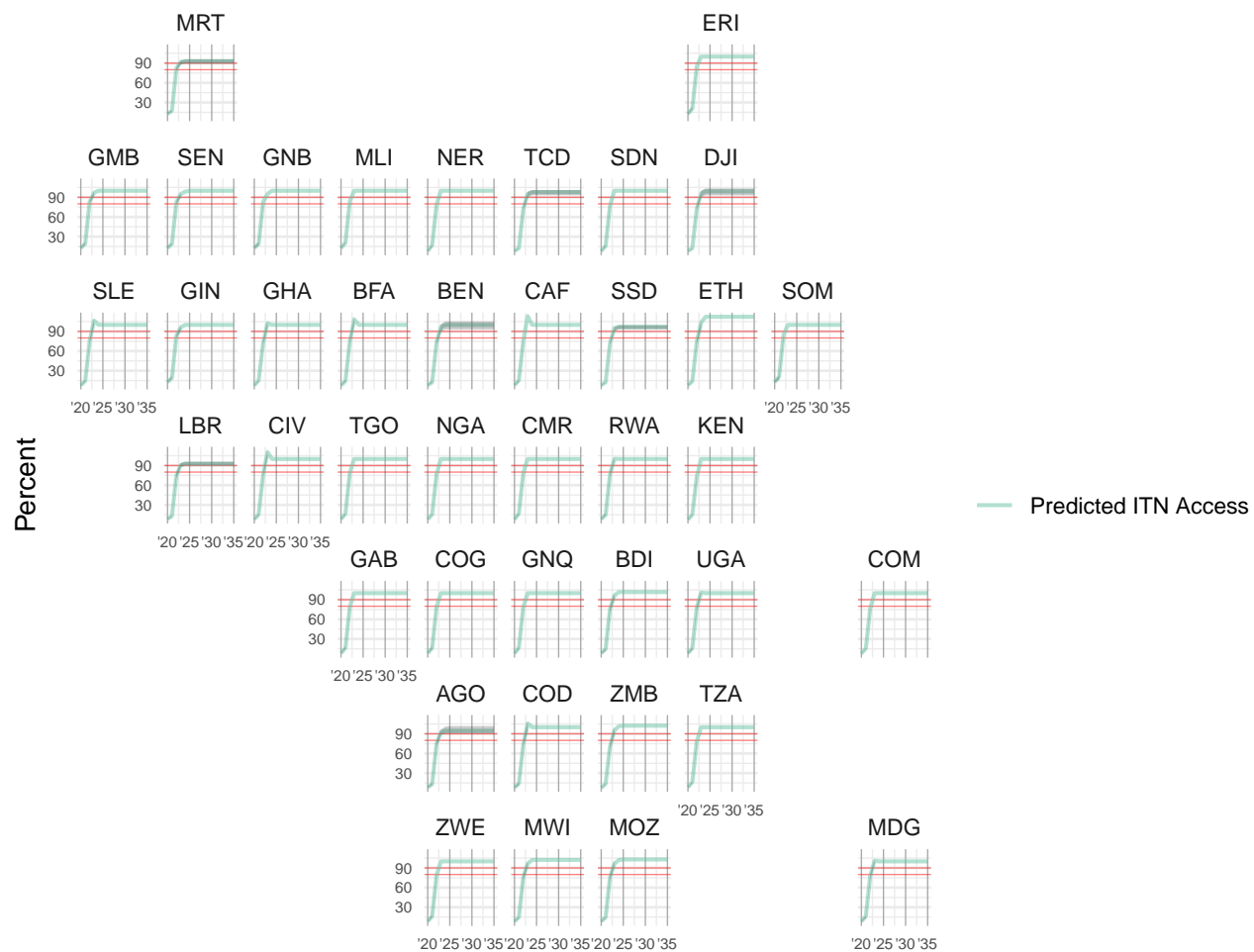
# ANC/EPI at 6% and annual school/community distribution at 45 % of the population



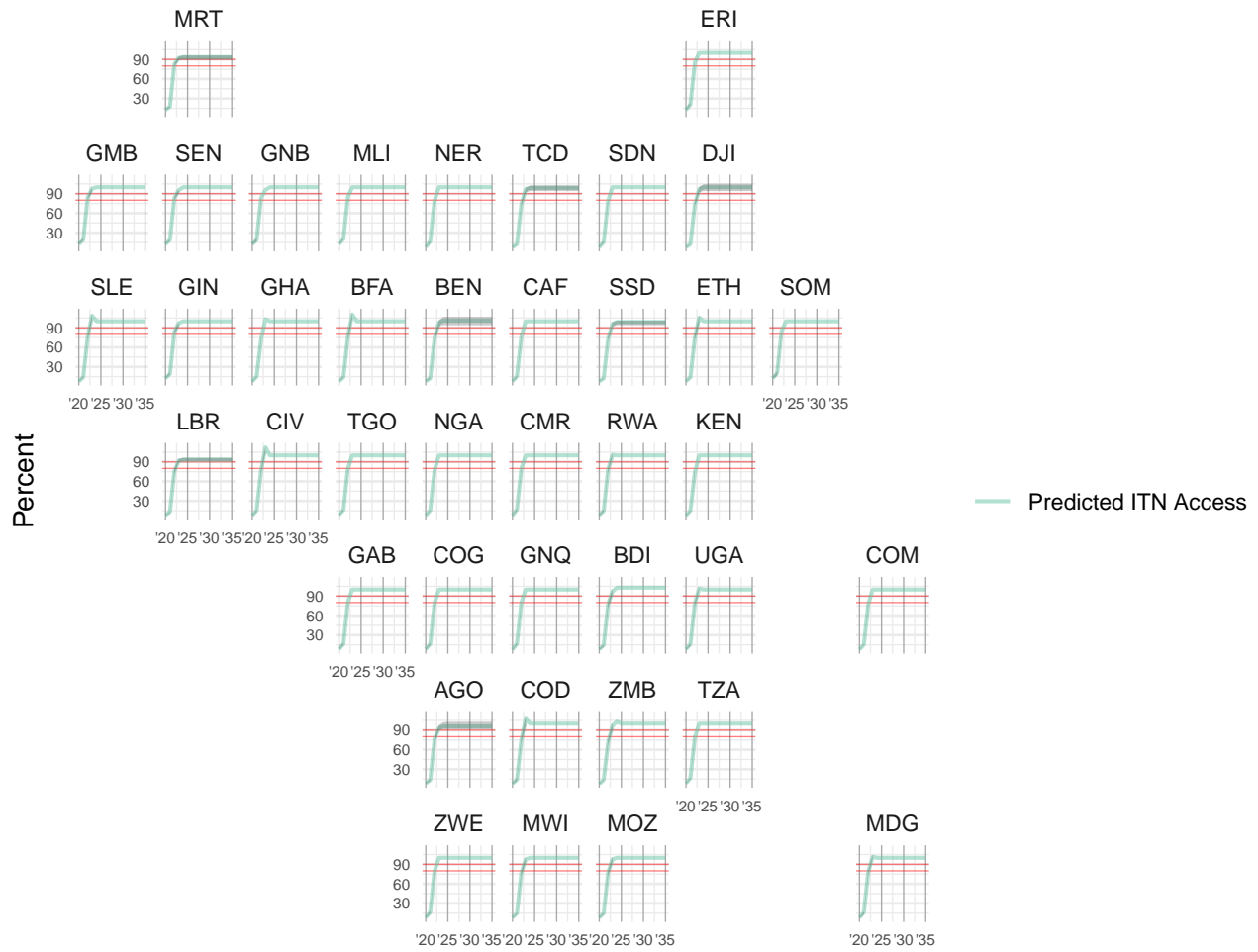
# ANC/EPI at 6% and annual school/community distribution at 46 % of the population



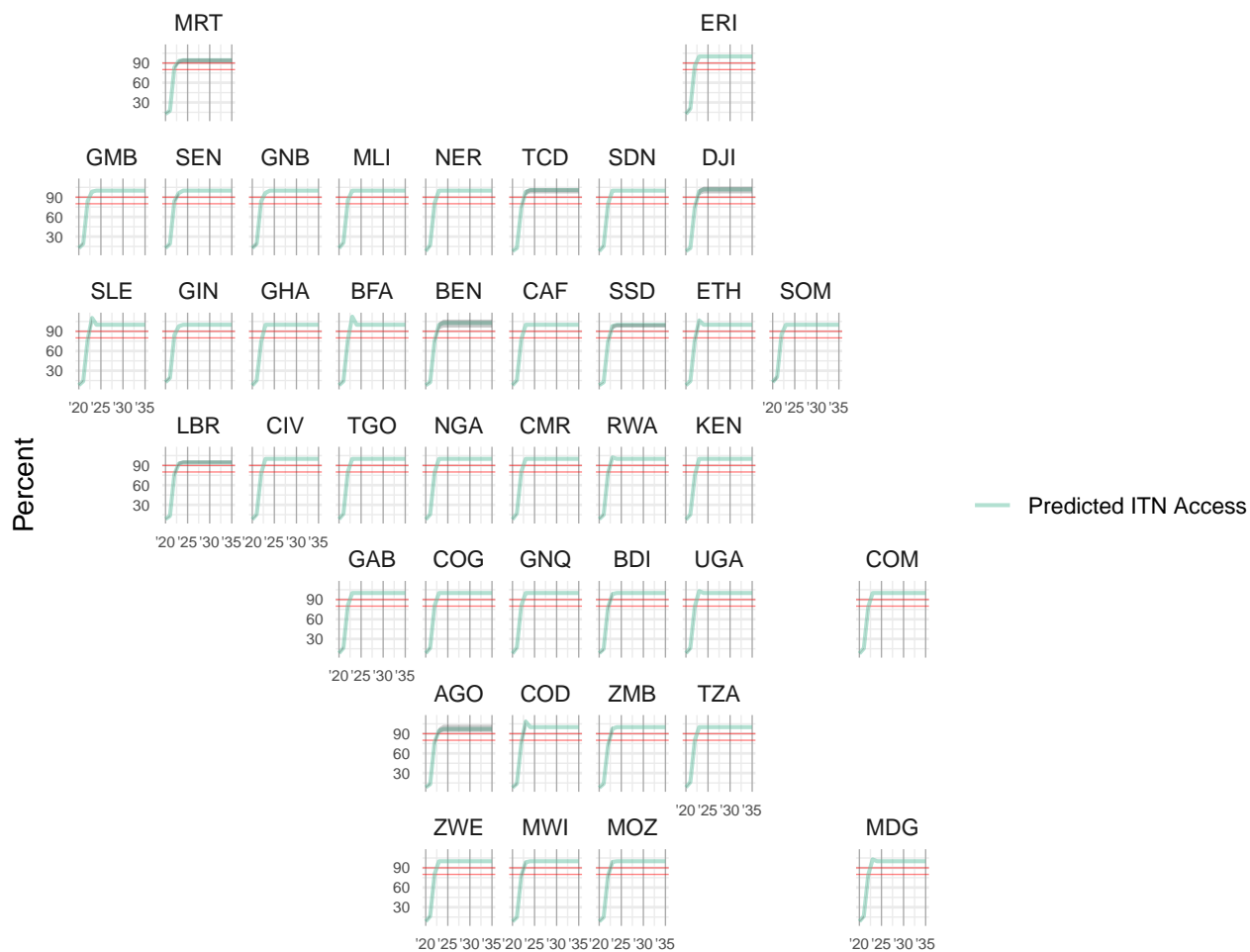
# ANC/EPI at 6% and annual school/community distribution at 47 % of the population



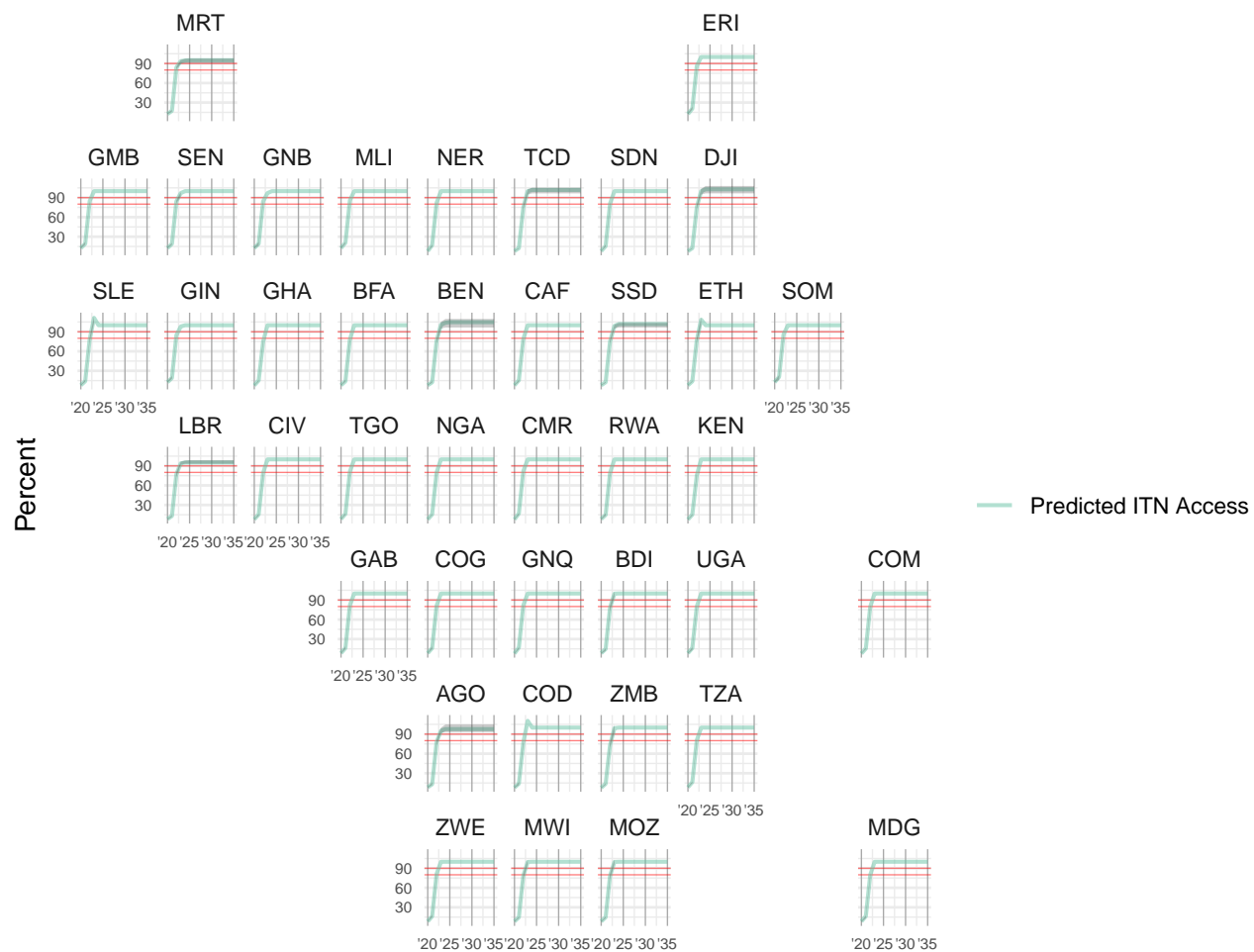
# ANC/EPI at 6% and annual school/community distribution at 48 % of the population



# ANC/EPI at 6% and annual school/community distribution at 49 % of the population

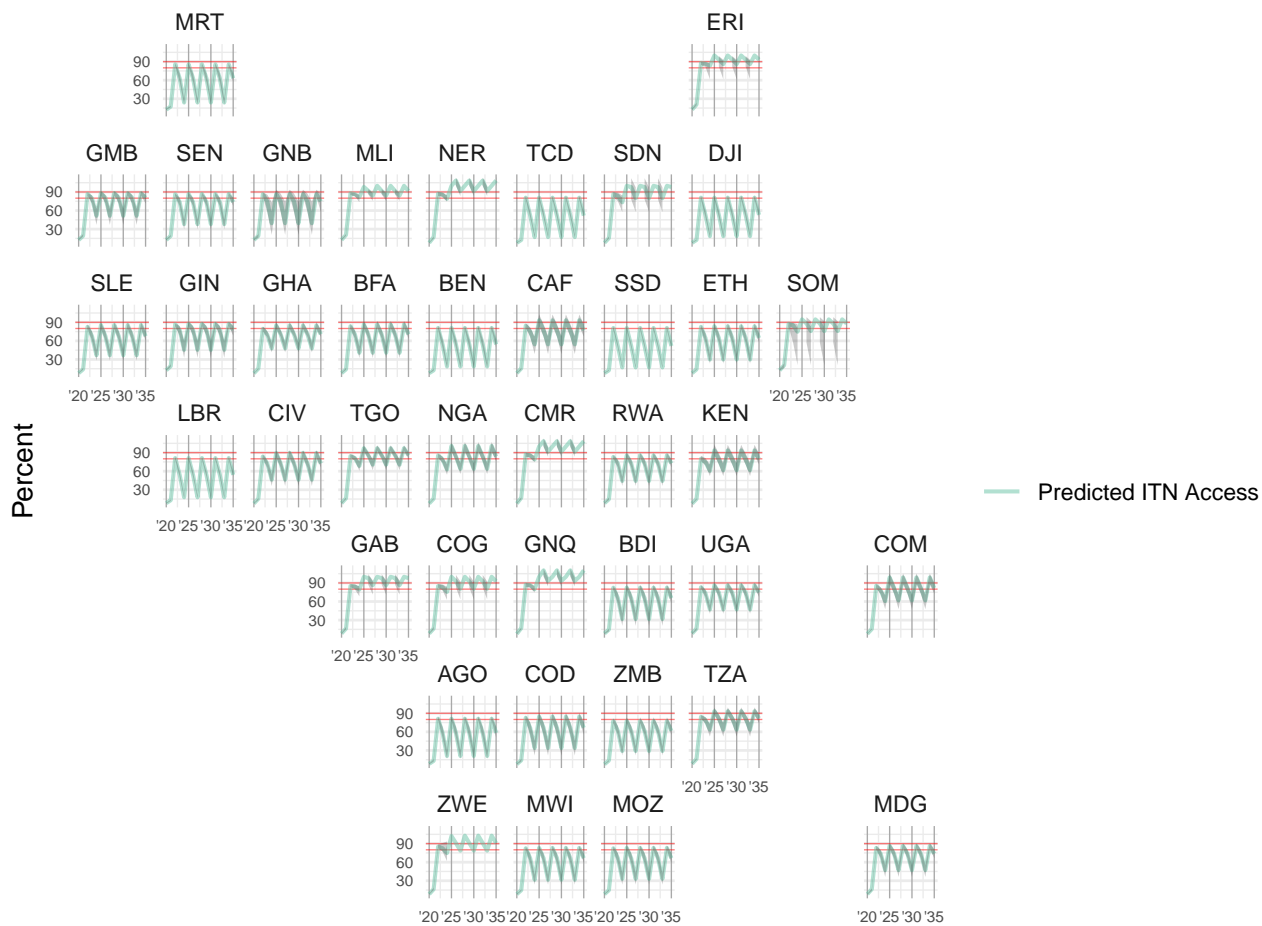


# ANC/EPI at 6% and annual school/community distribution at 50 % of the population



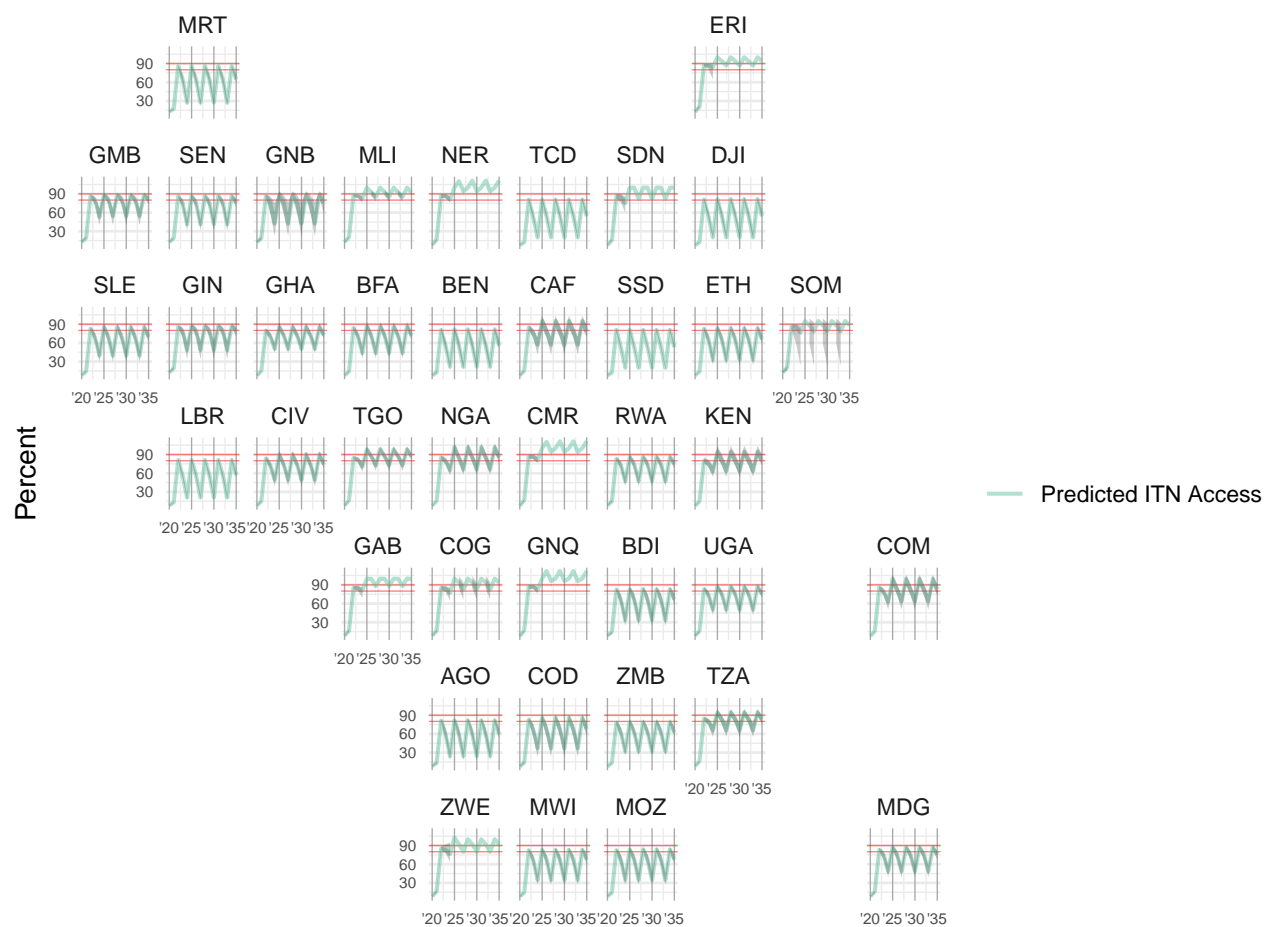
**3 Scenario 3 - Three-year mass campaigns with ANC/EPI distribution at 6%, varying annual school/community distribution between campaigns**

3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 0 % of the population

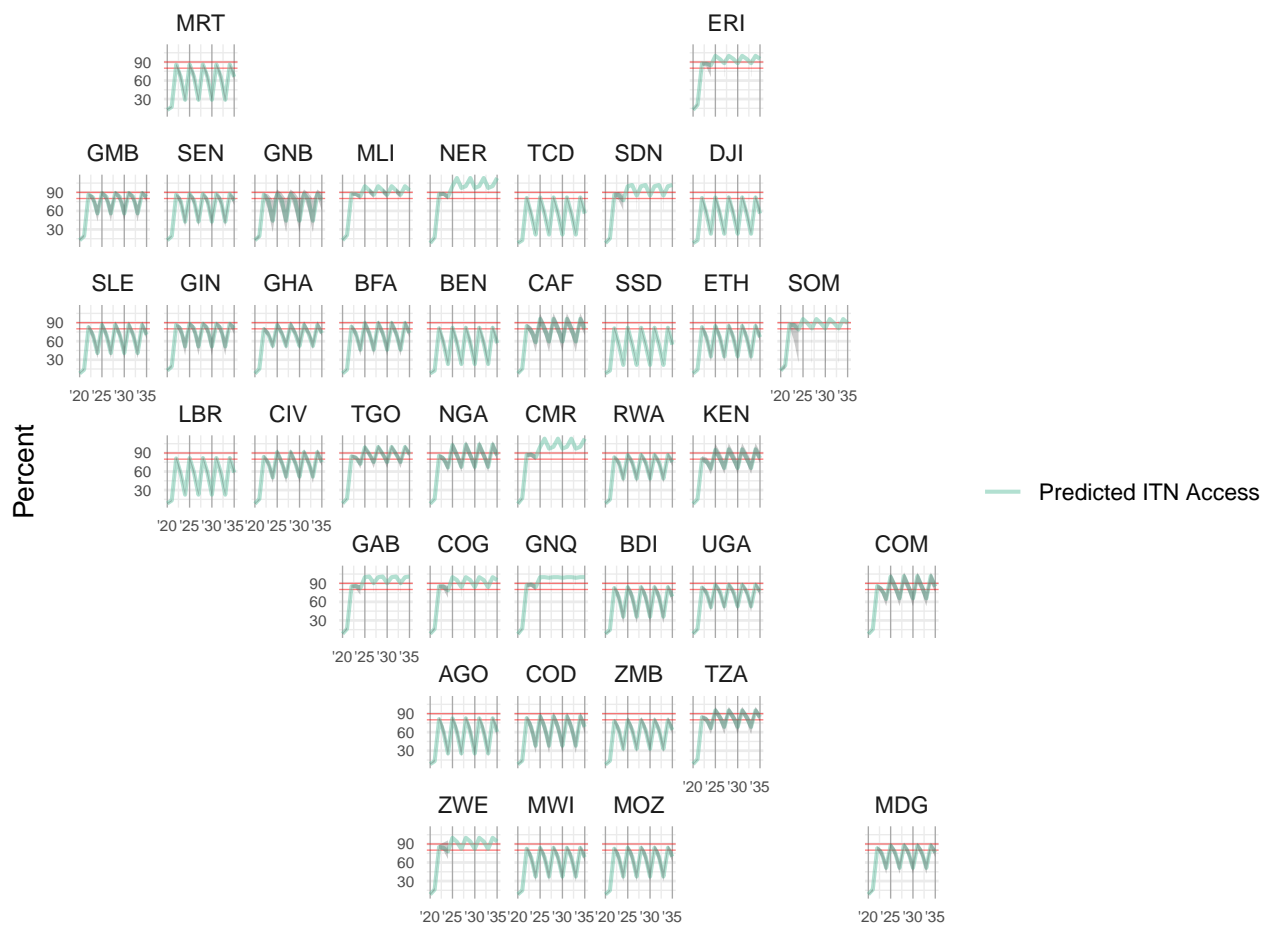




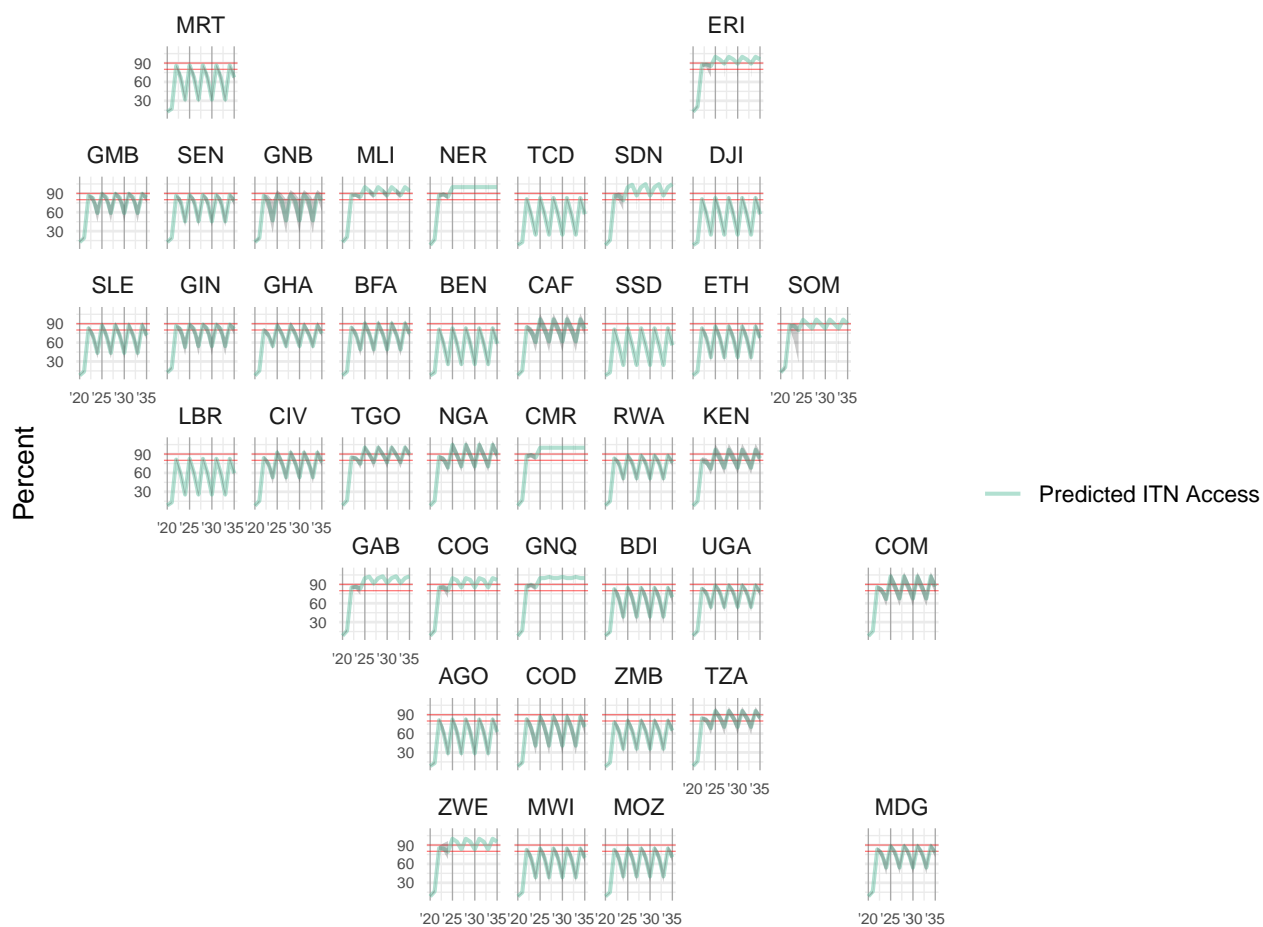
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 1 % of the population



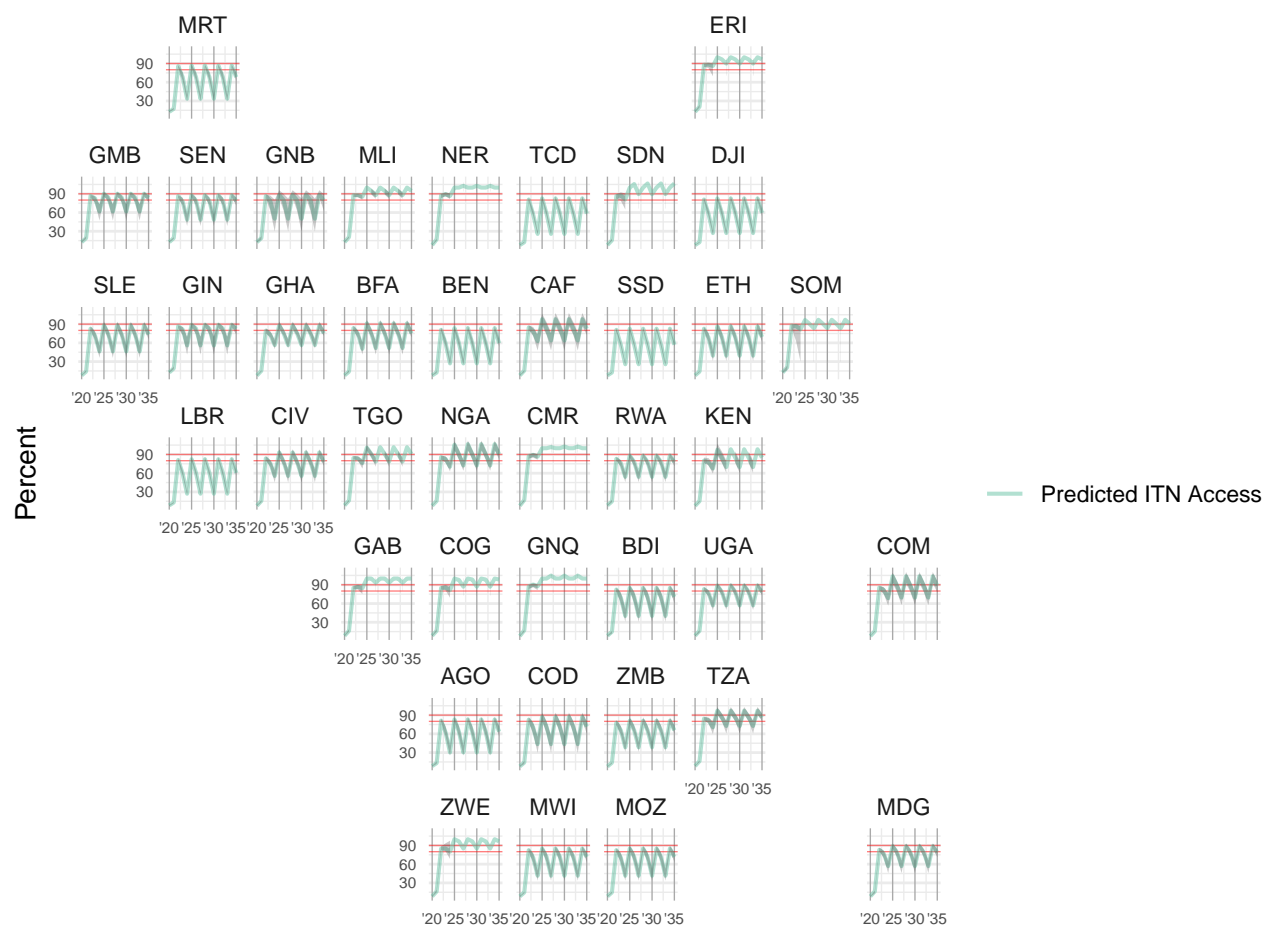
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 2 % of the population



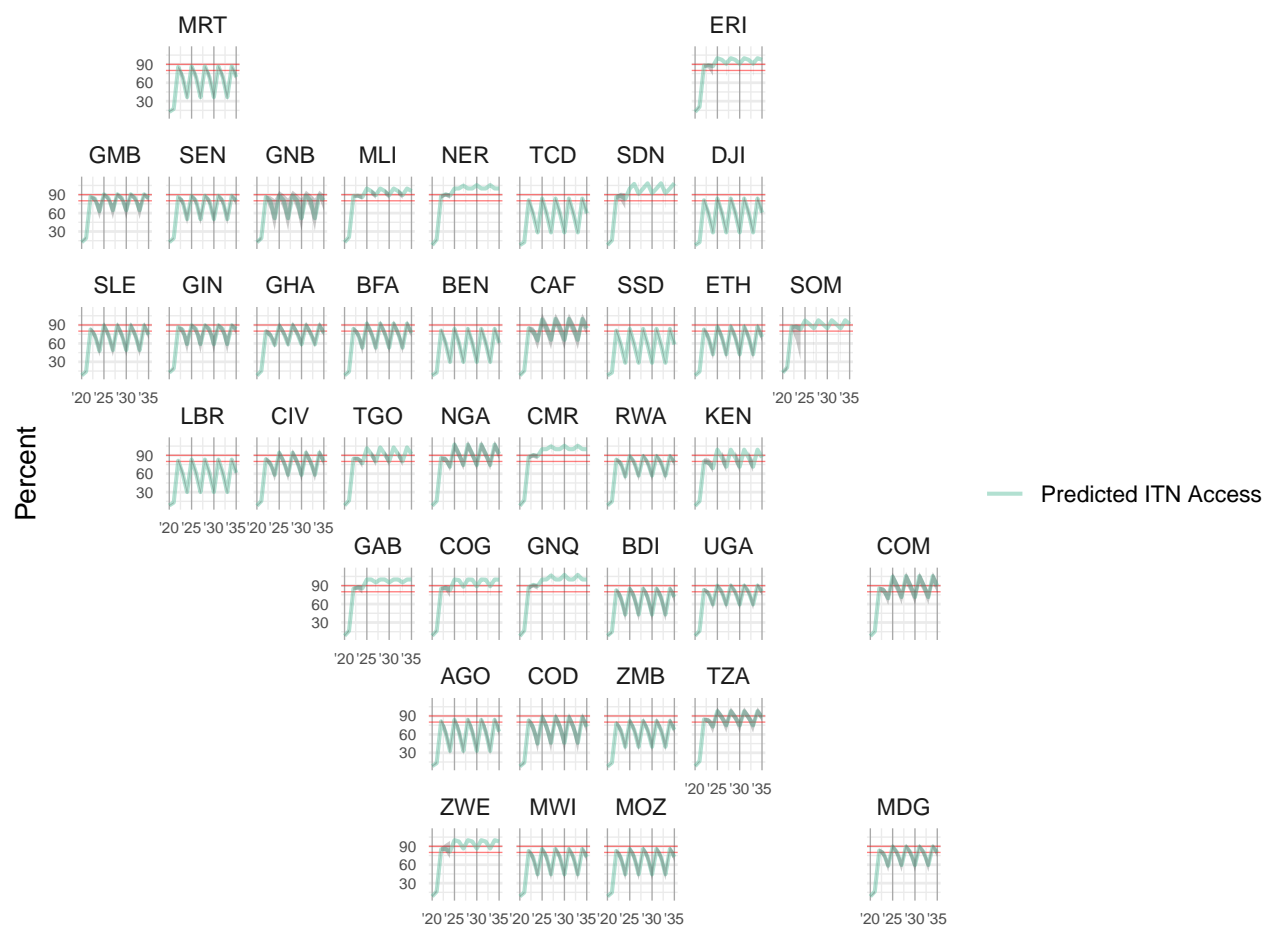
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 3 % of the population



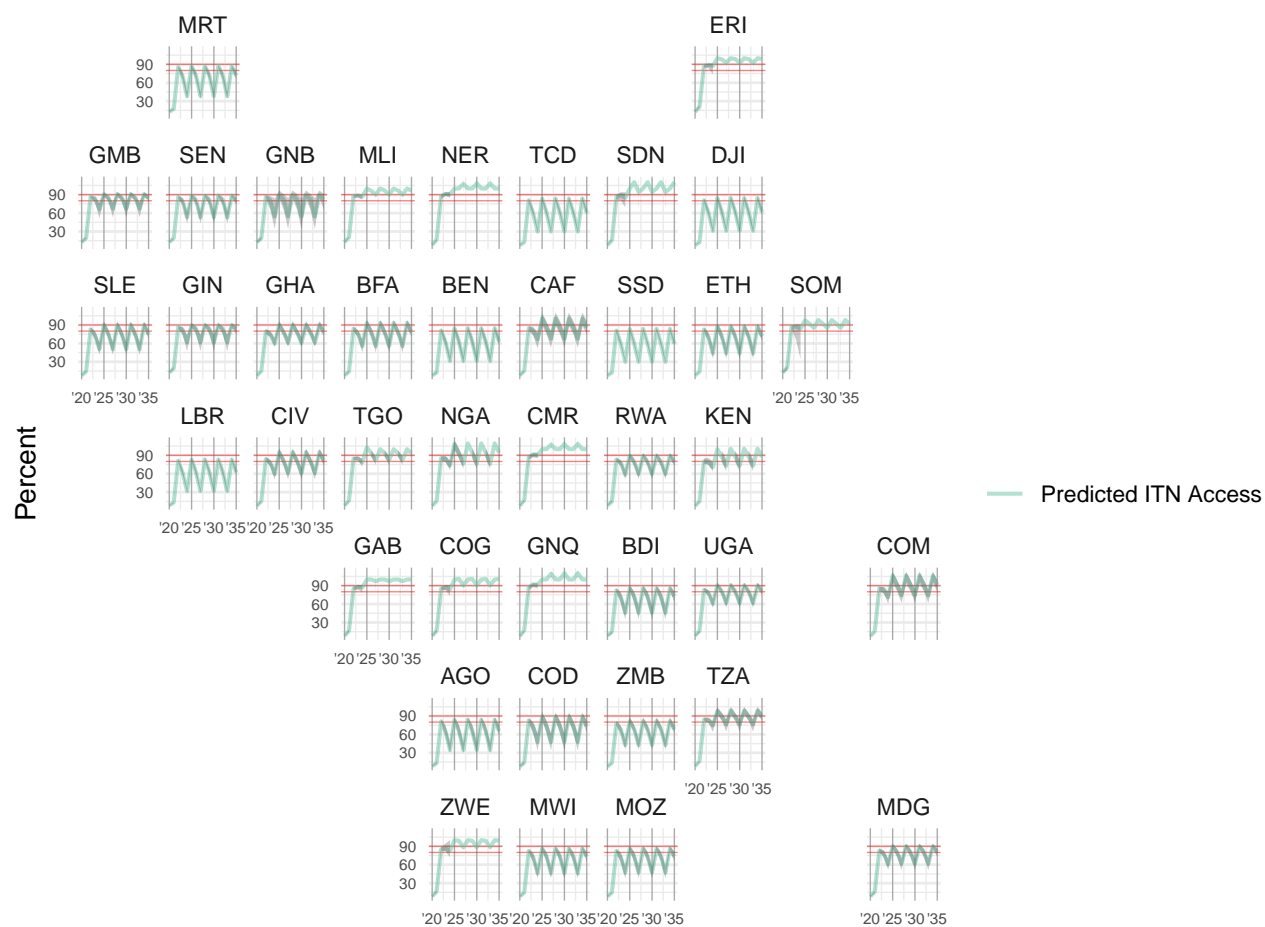
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 4 % of the population



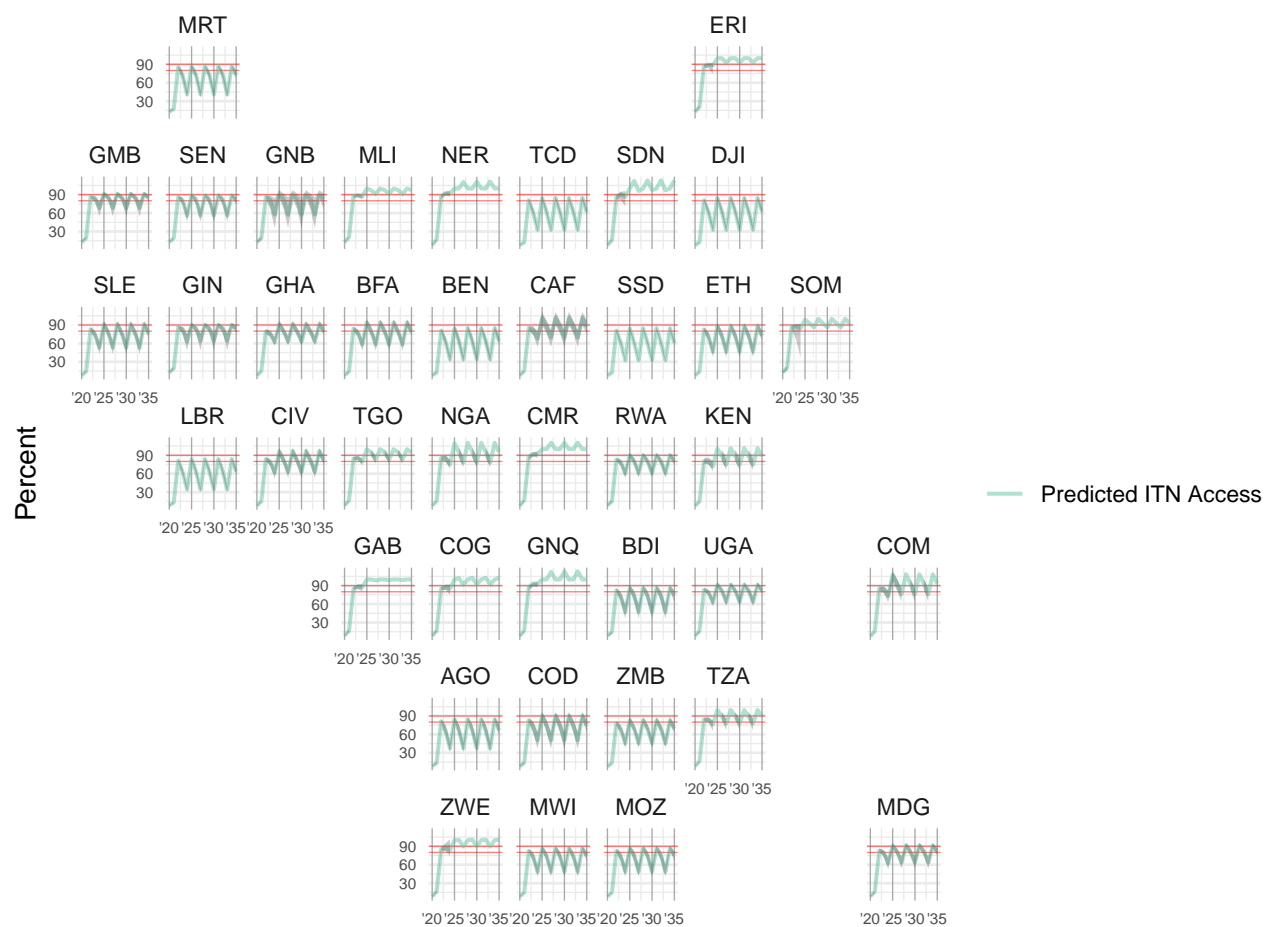
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 5 % of the population



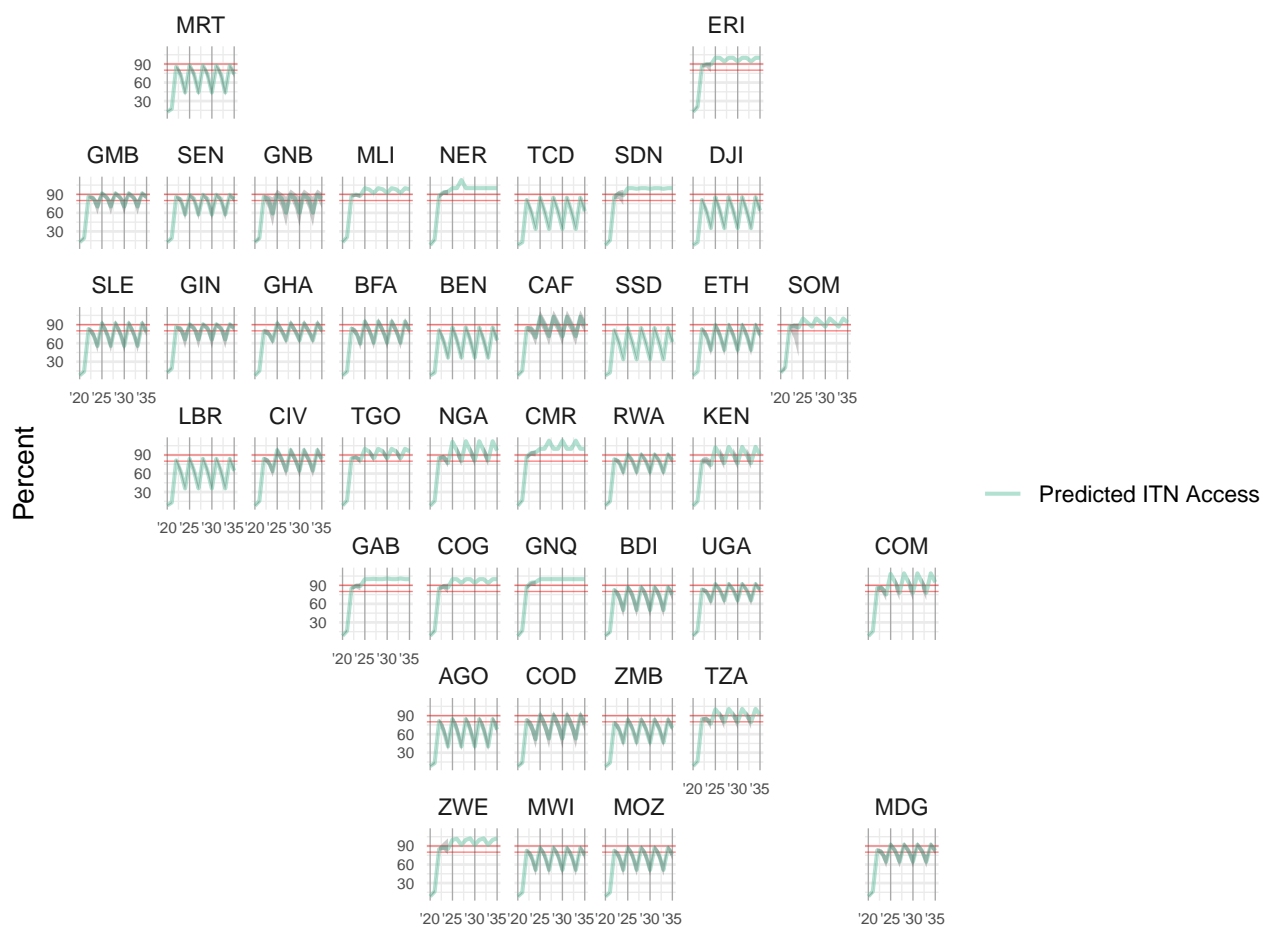
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 6 % of the population



3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 7 % of the population

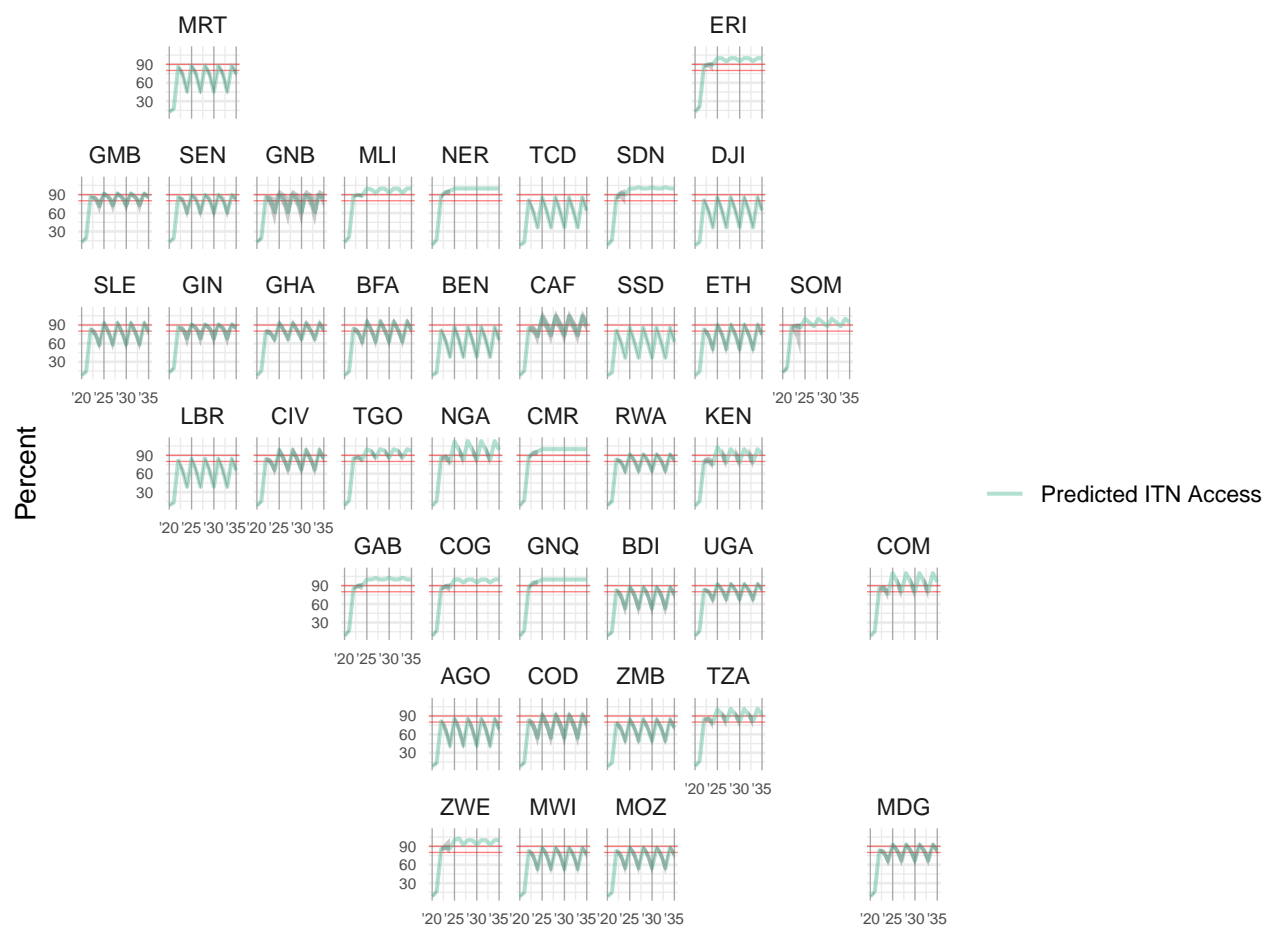


3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 8 % of the population

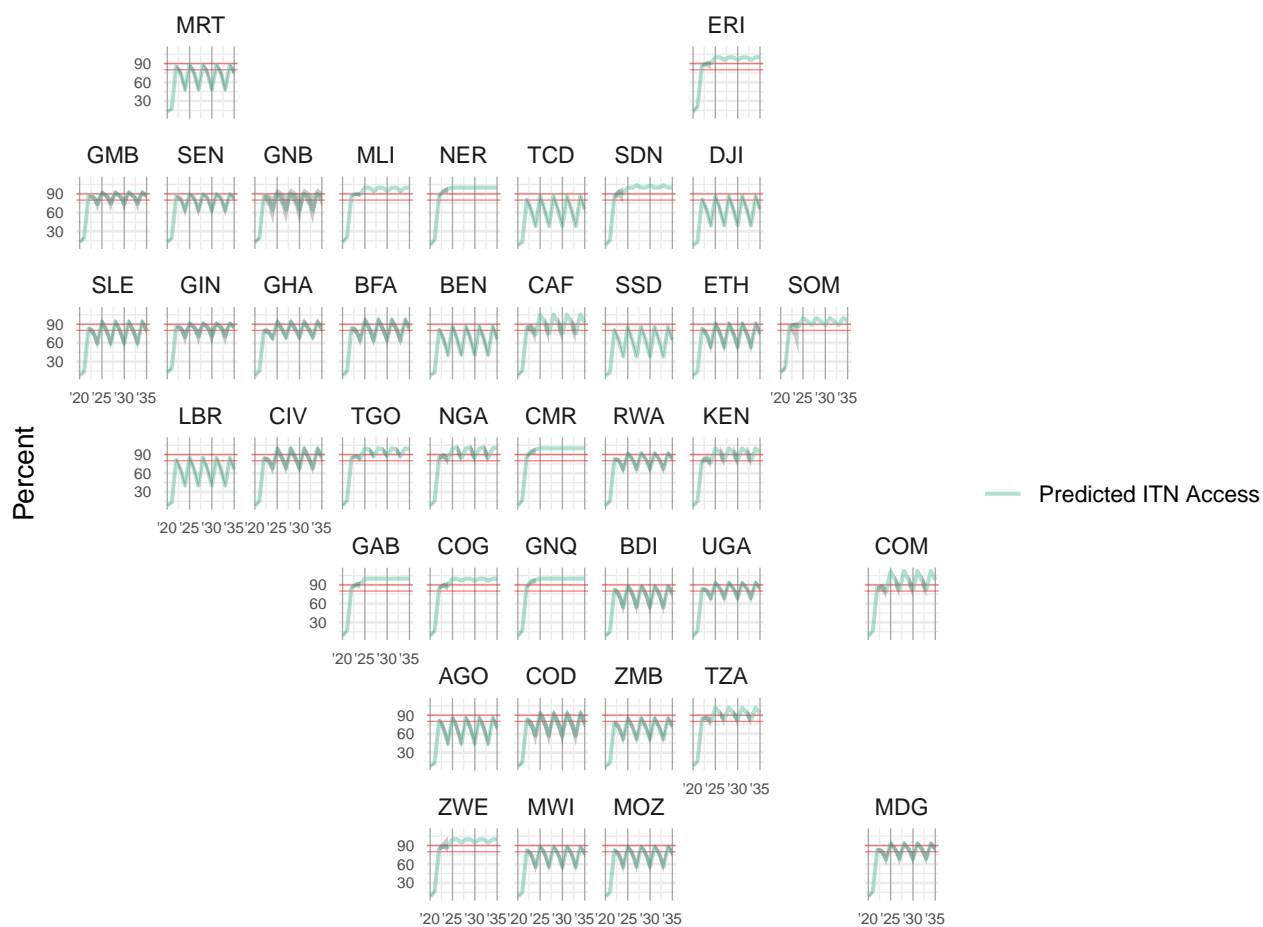




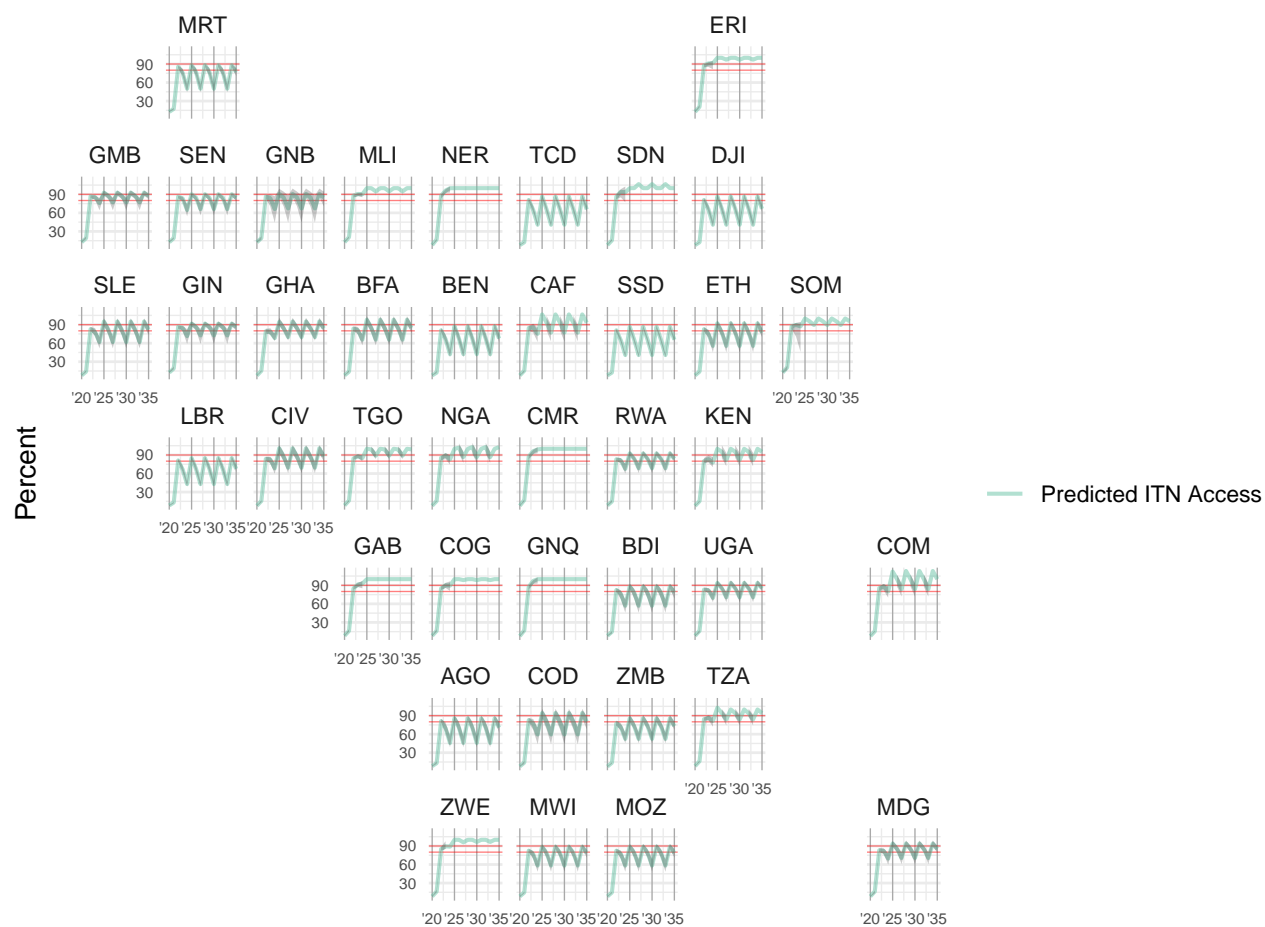
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 9 % of the population



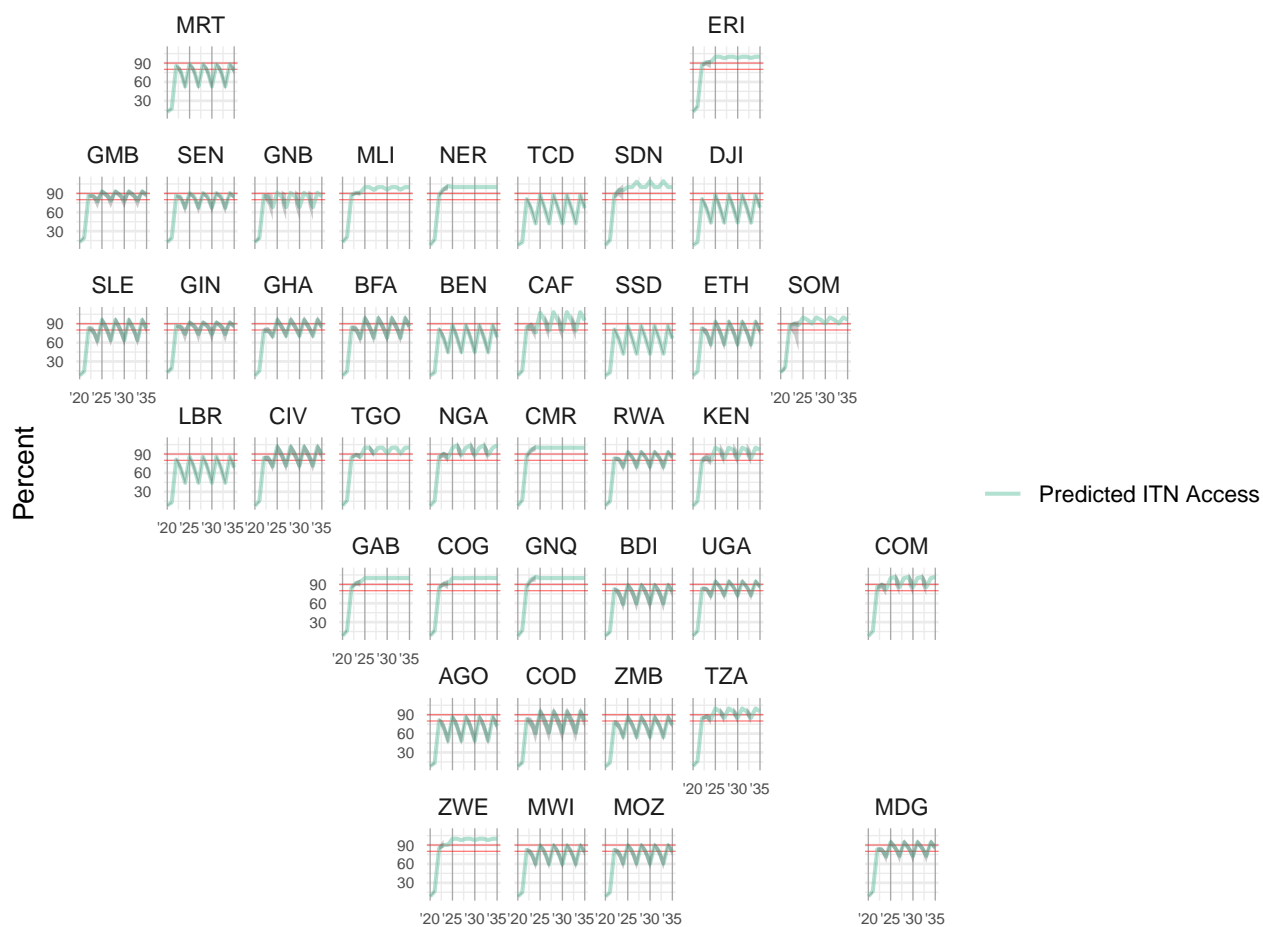
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 10 % of the population



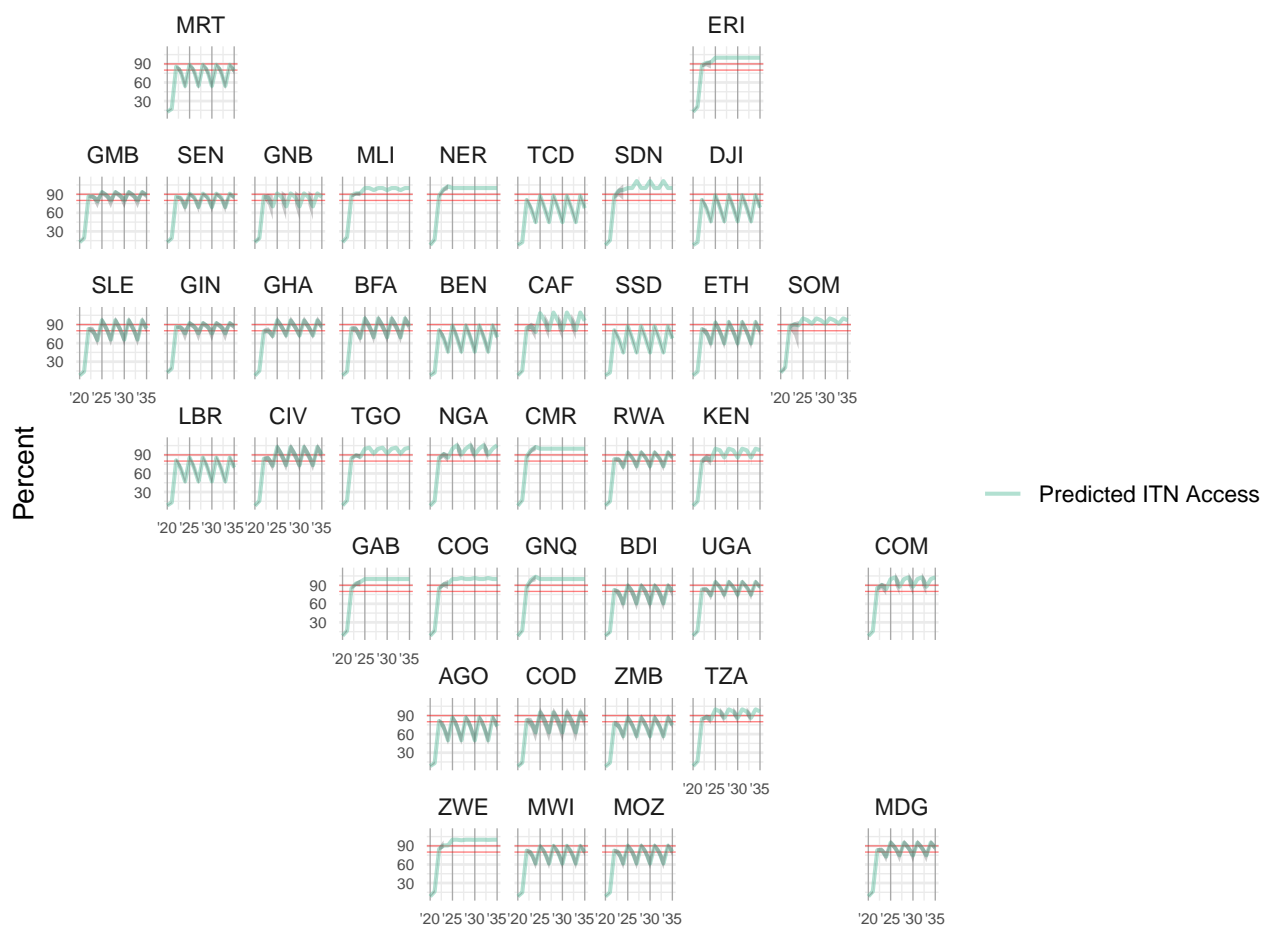
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 11 % of the population



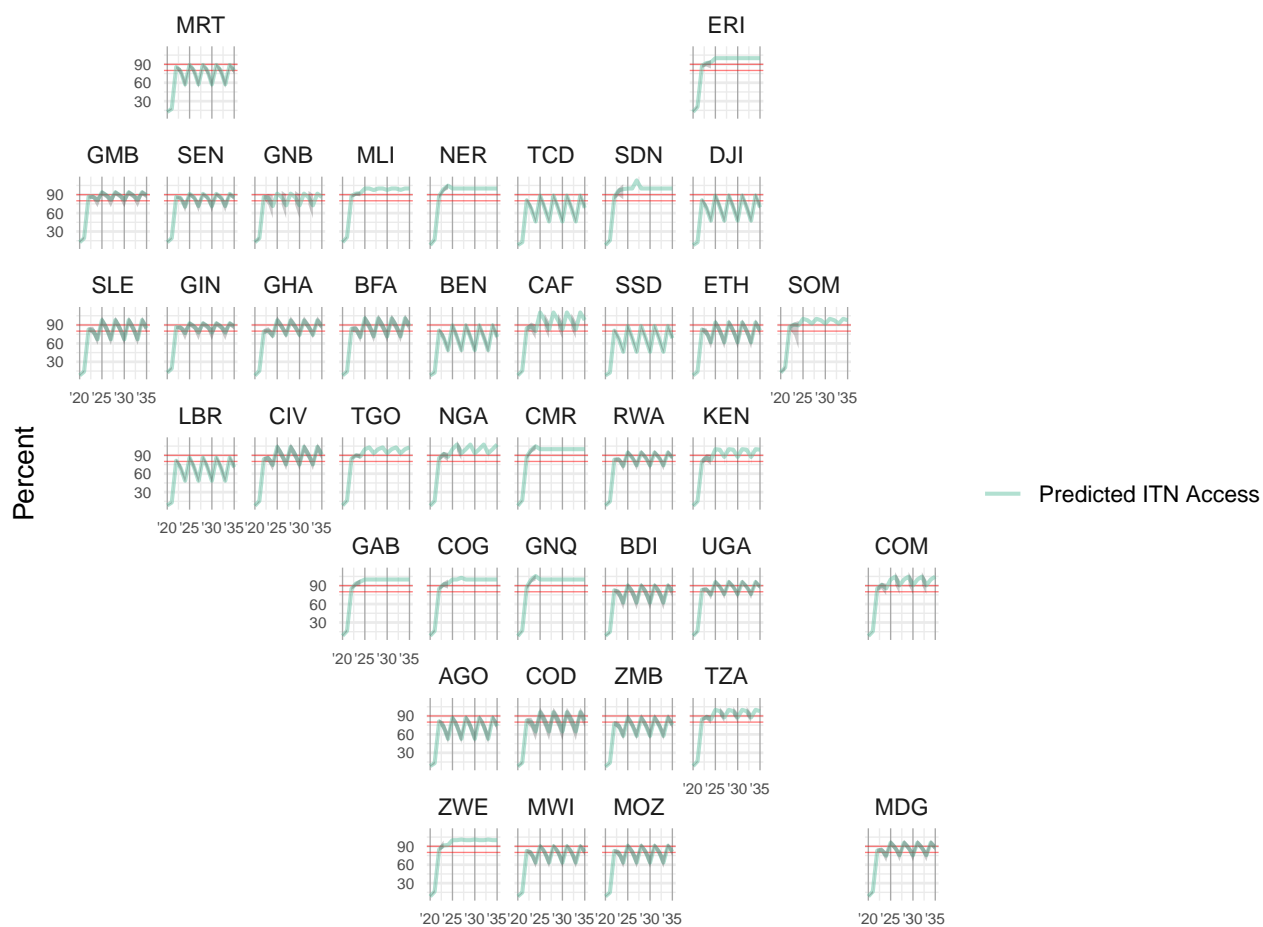
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 12 % of the population



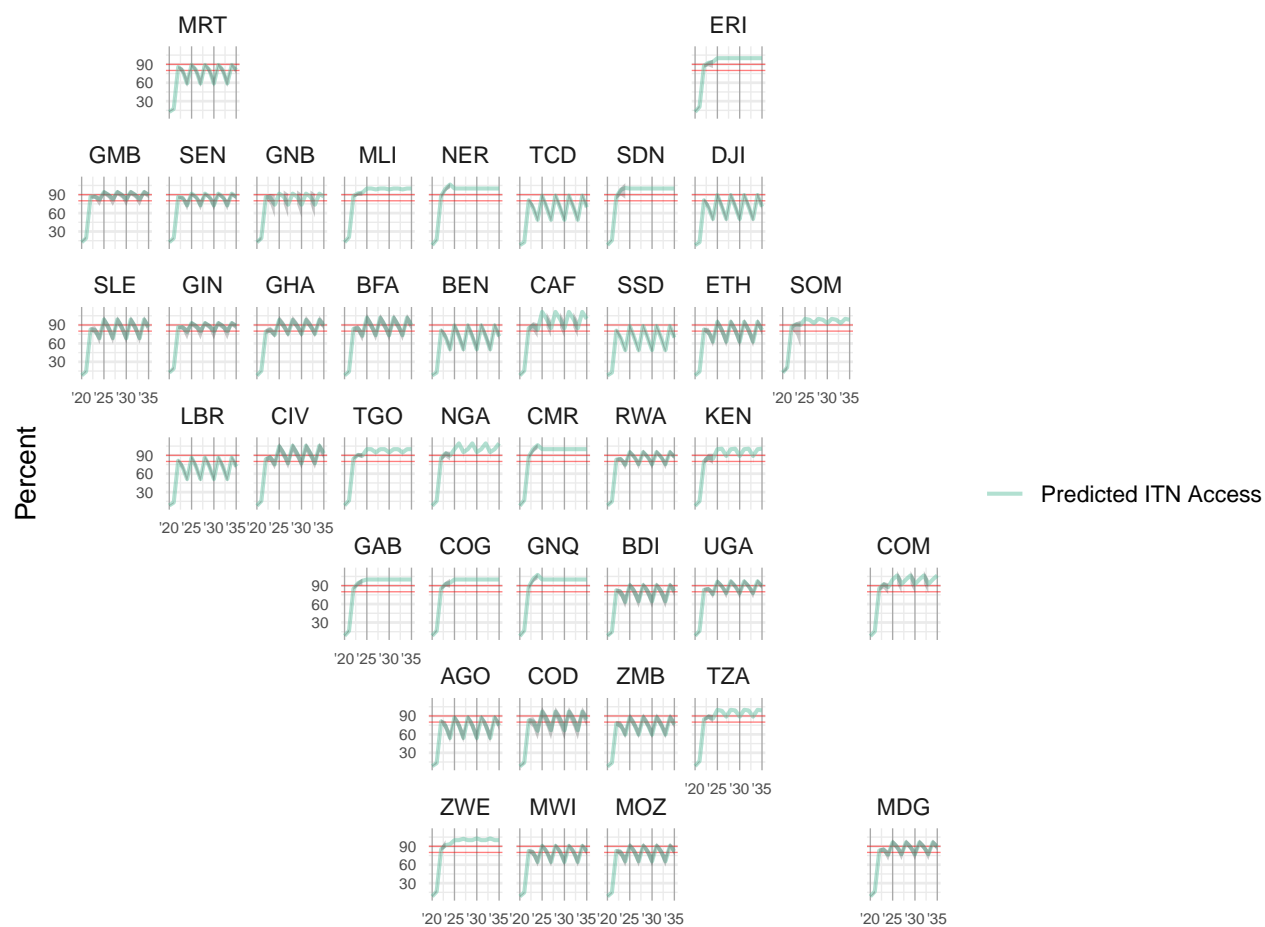
3-year mass campaigns with ANC/EPI at 6%  
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at 13 % of the population



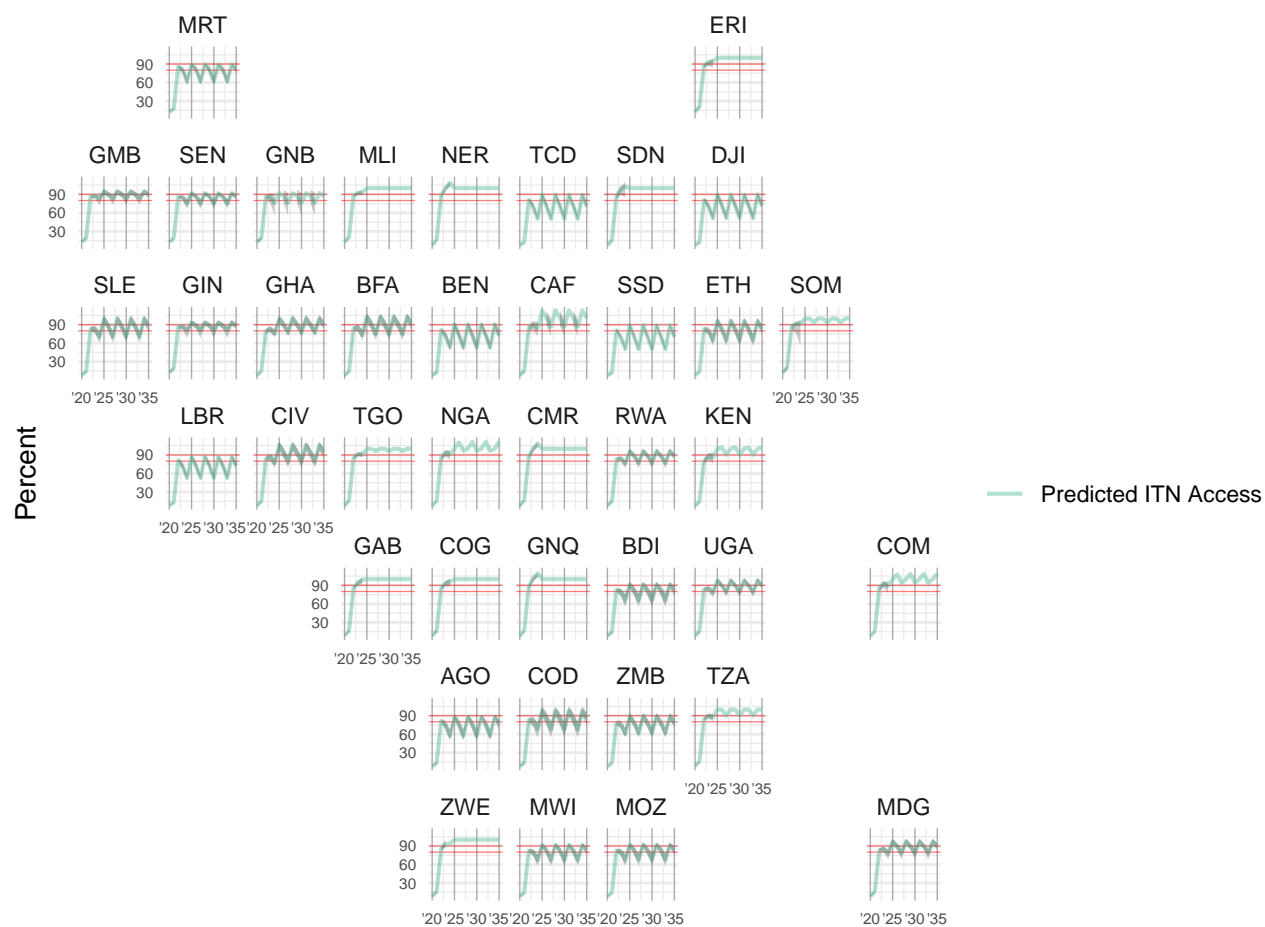
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 14 % of the population



3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 15 % of the population

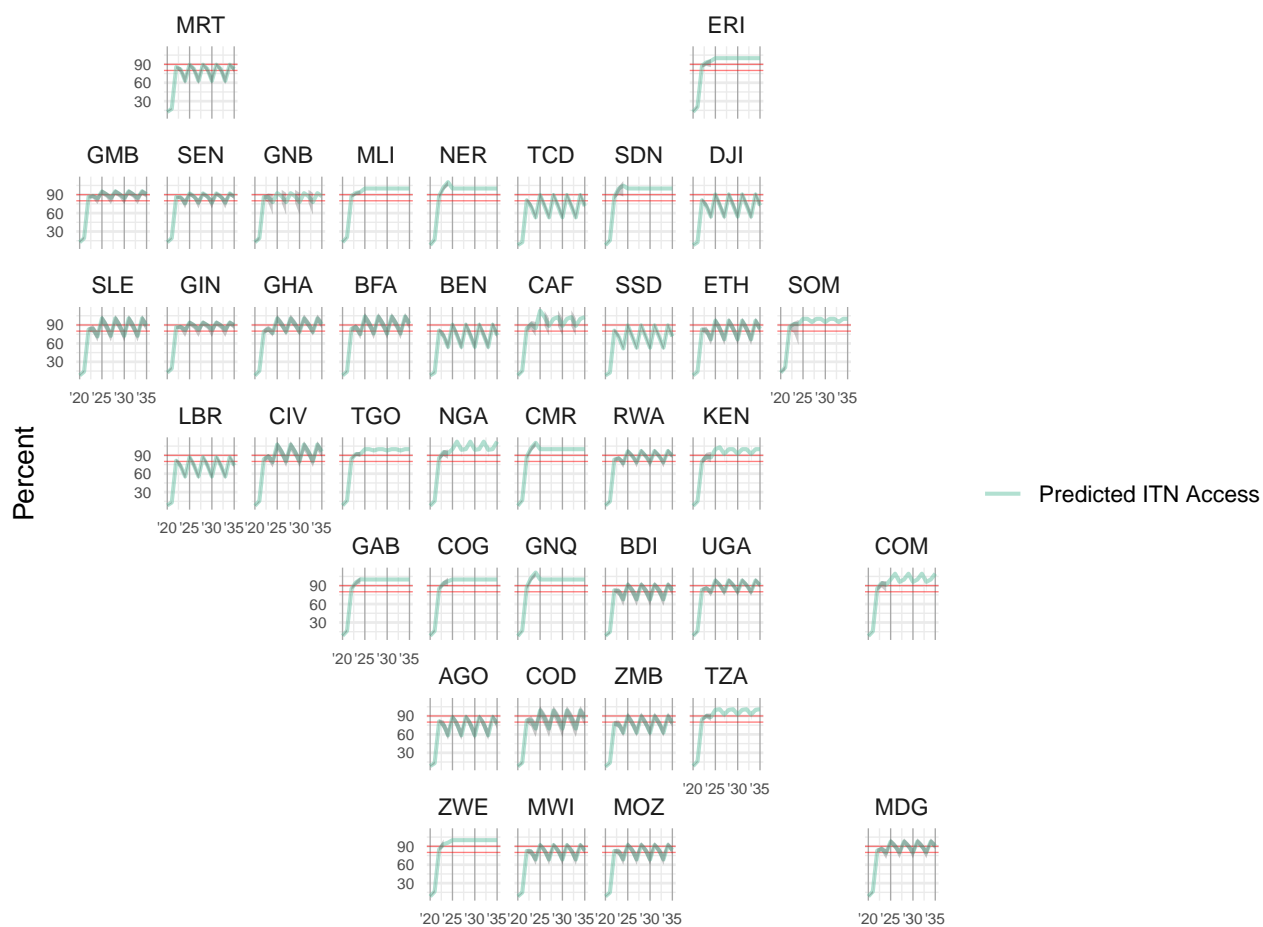


3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 16 % of the population

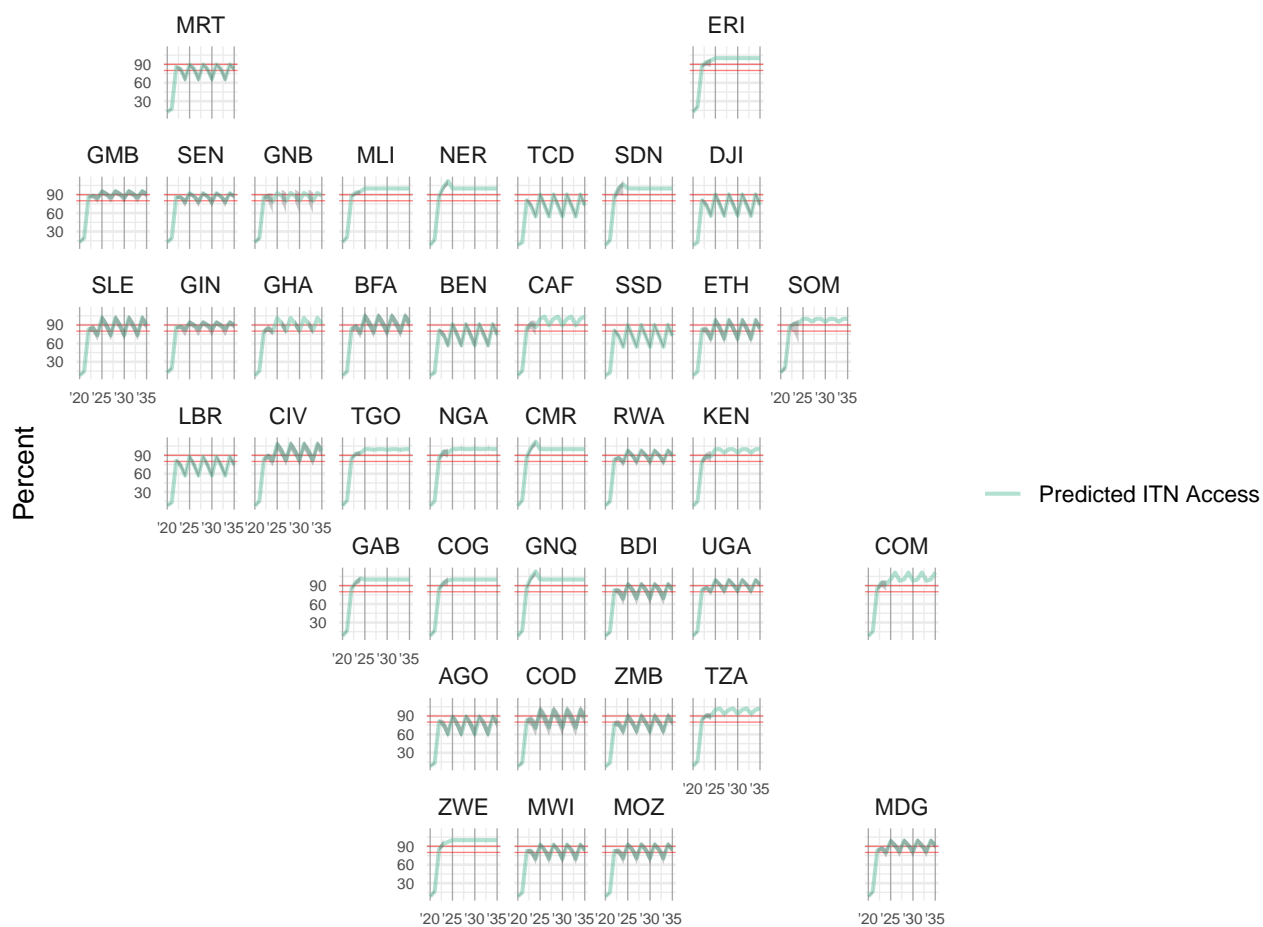




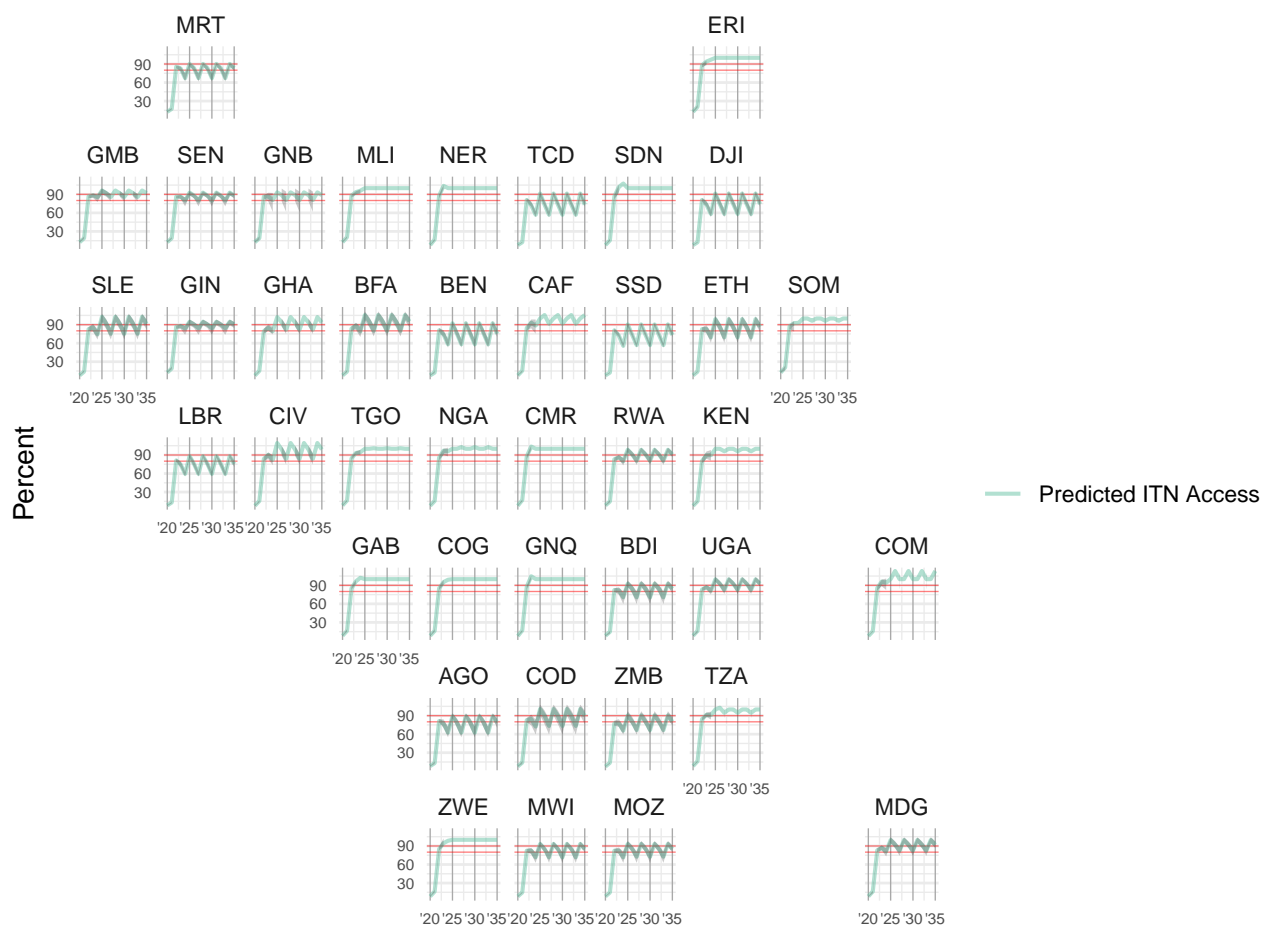
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 17 % of the population



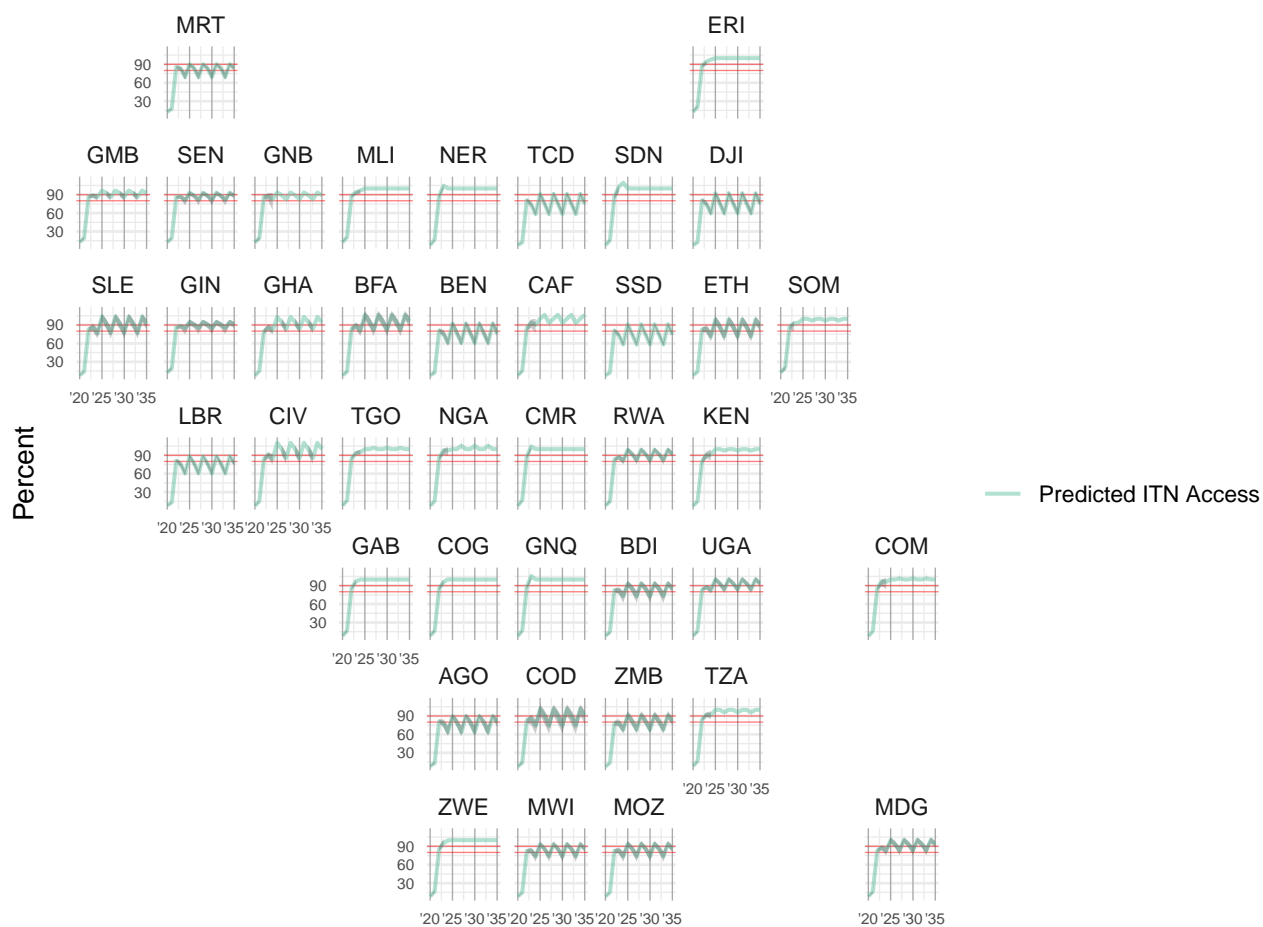
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 18 % of the population



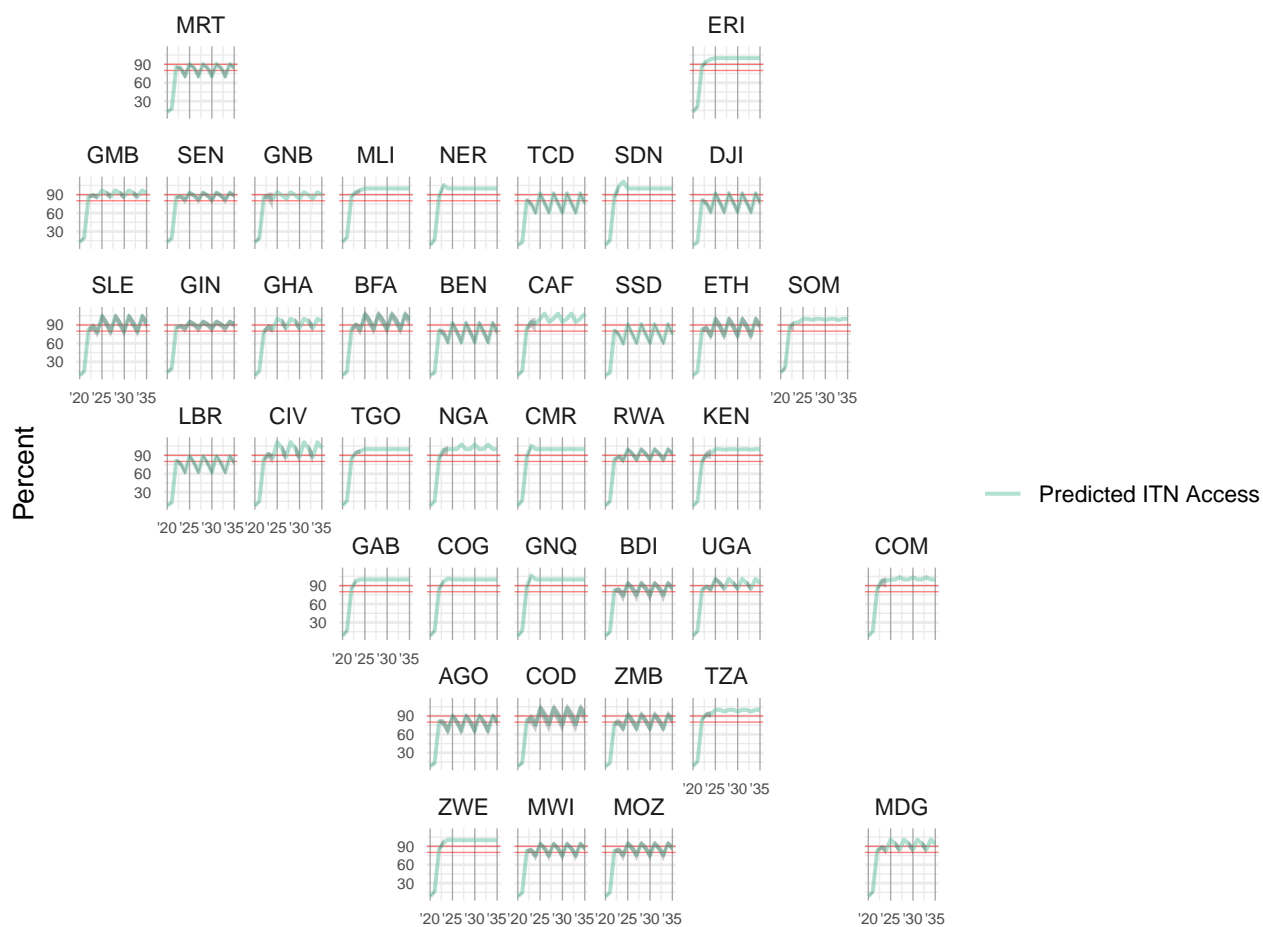
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 19 % of the population



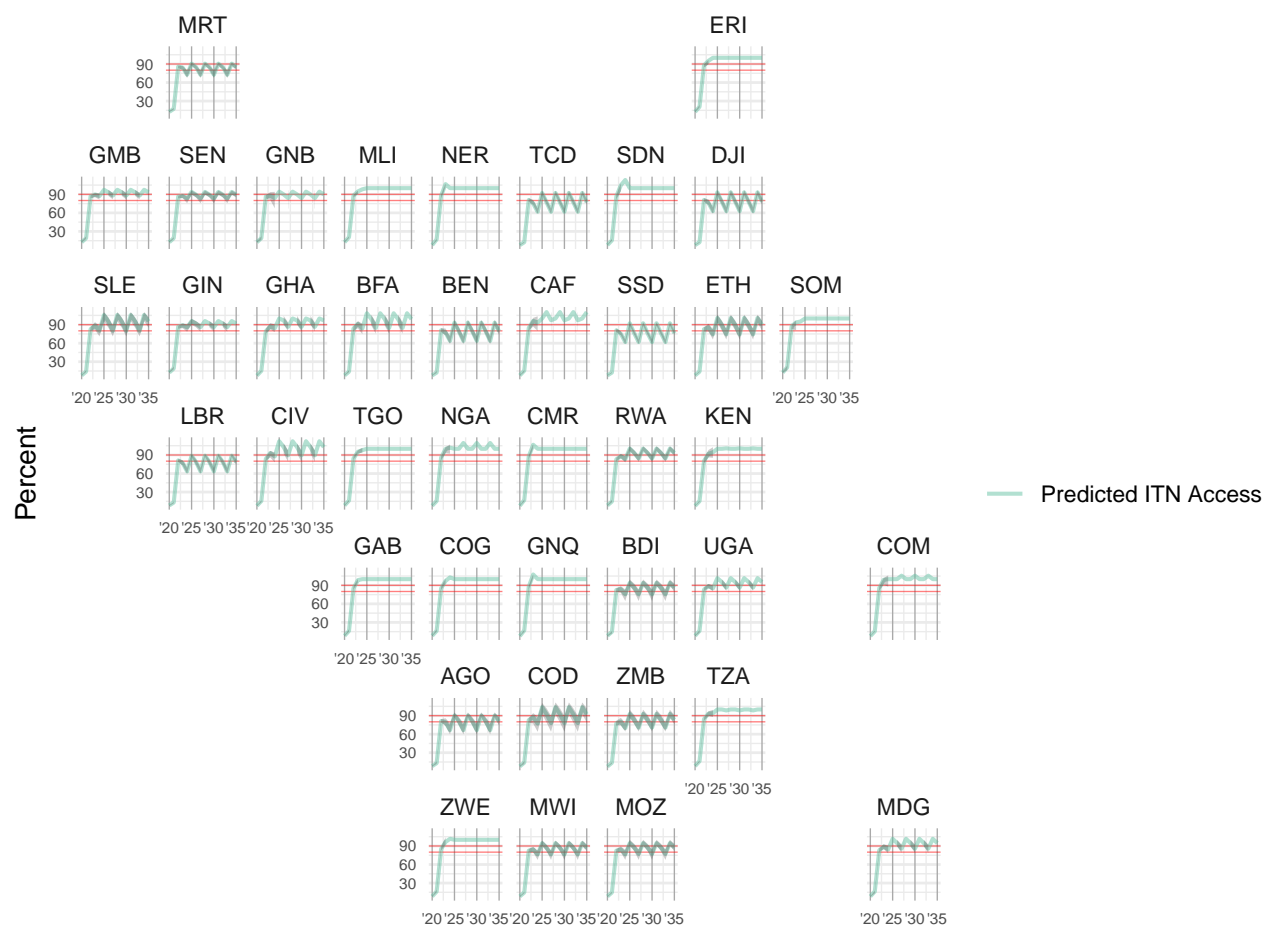
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 20 % of the population



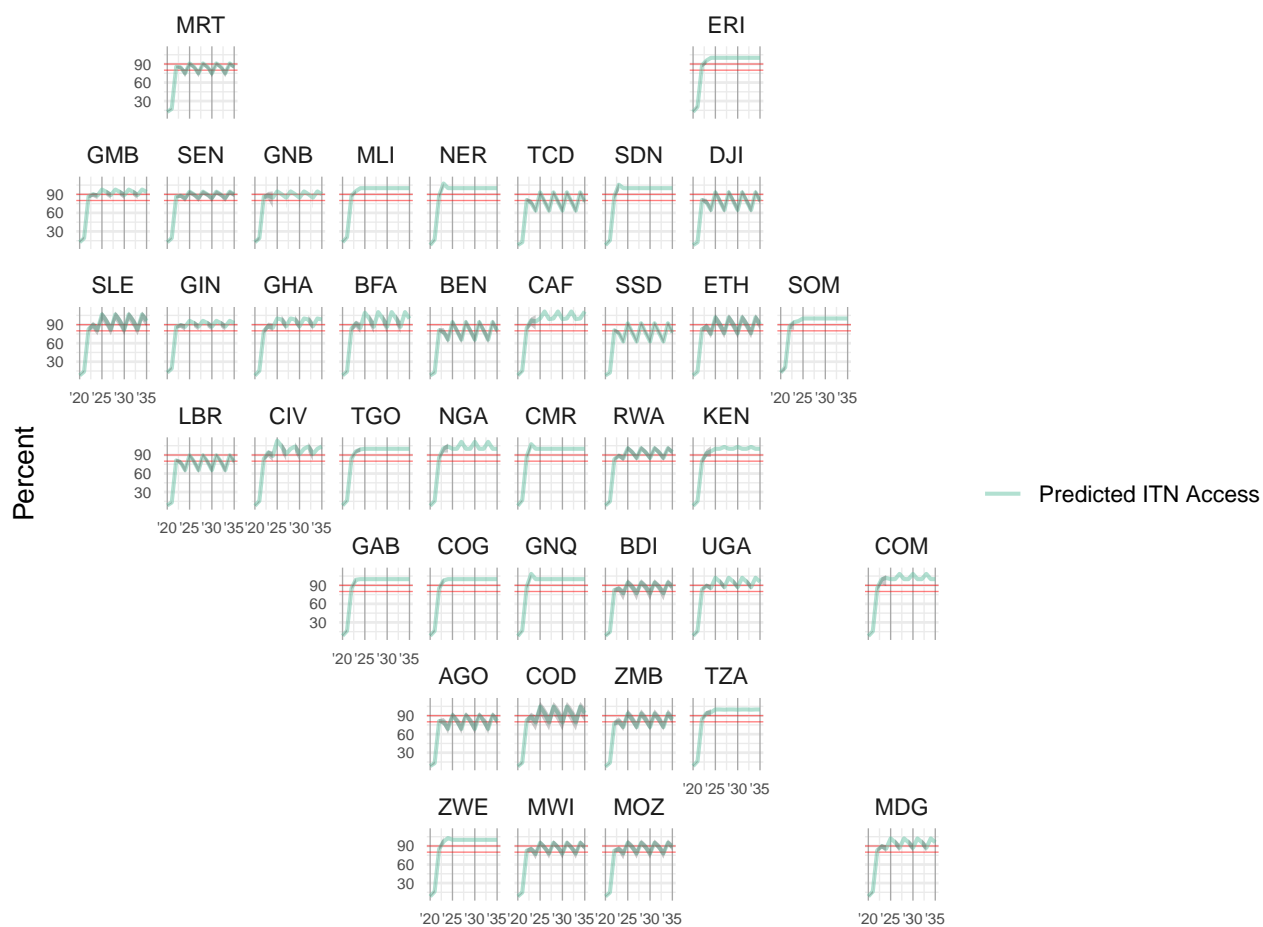
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 21 % of the population



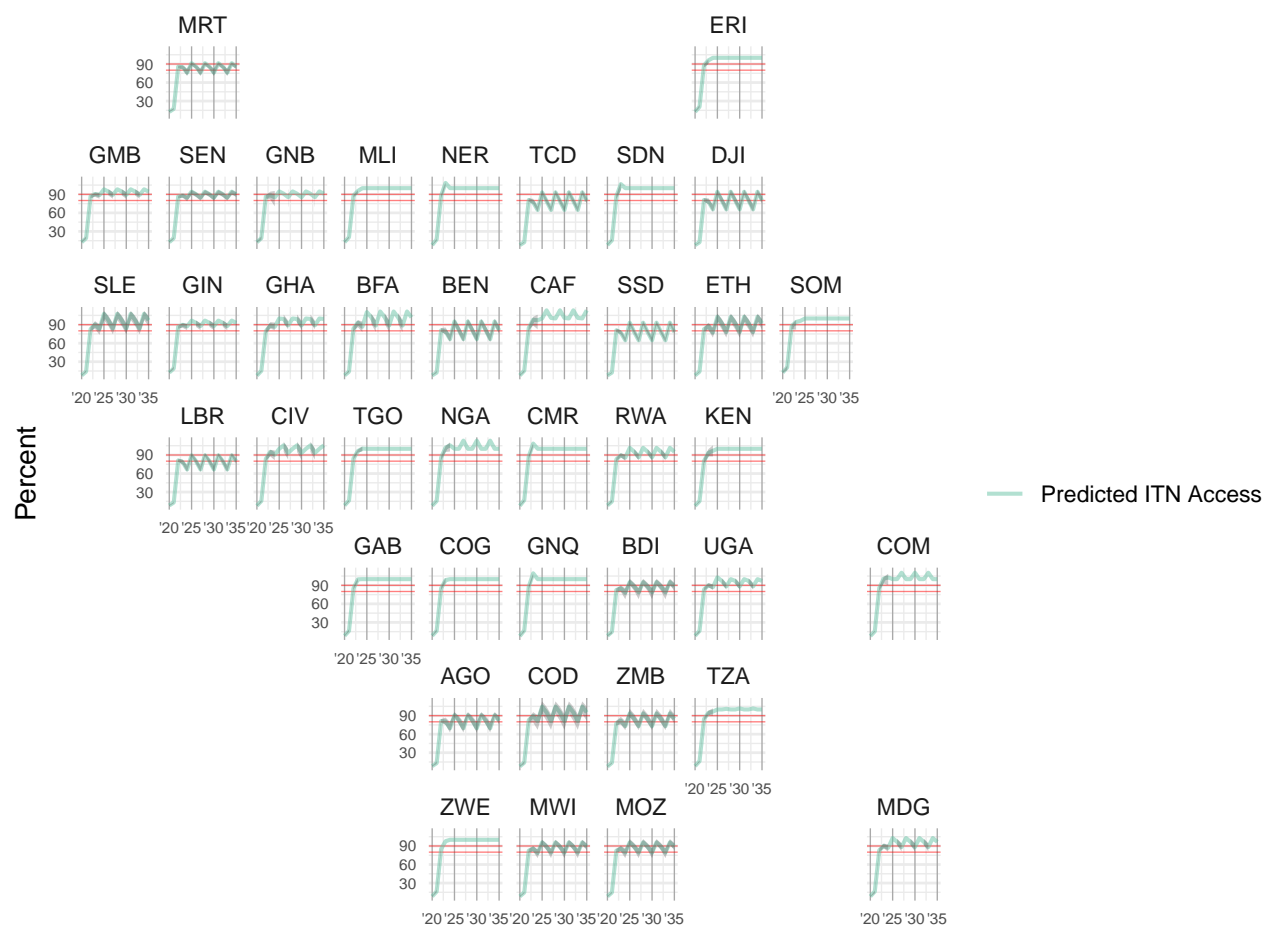
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 22 % of the population



3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 23 % of the population

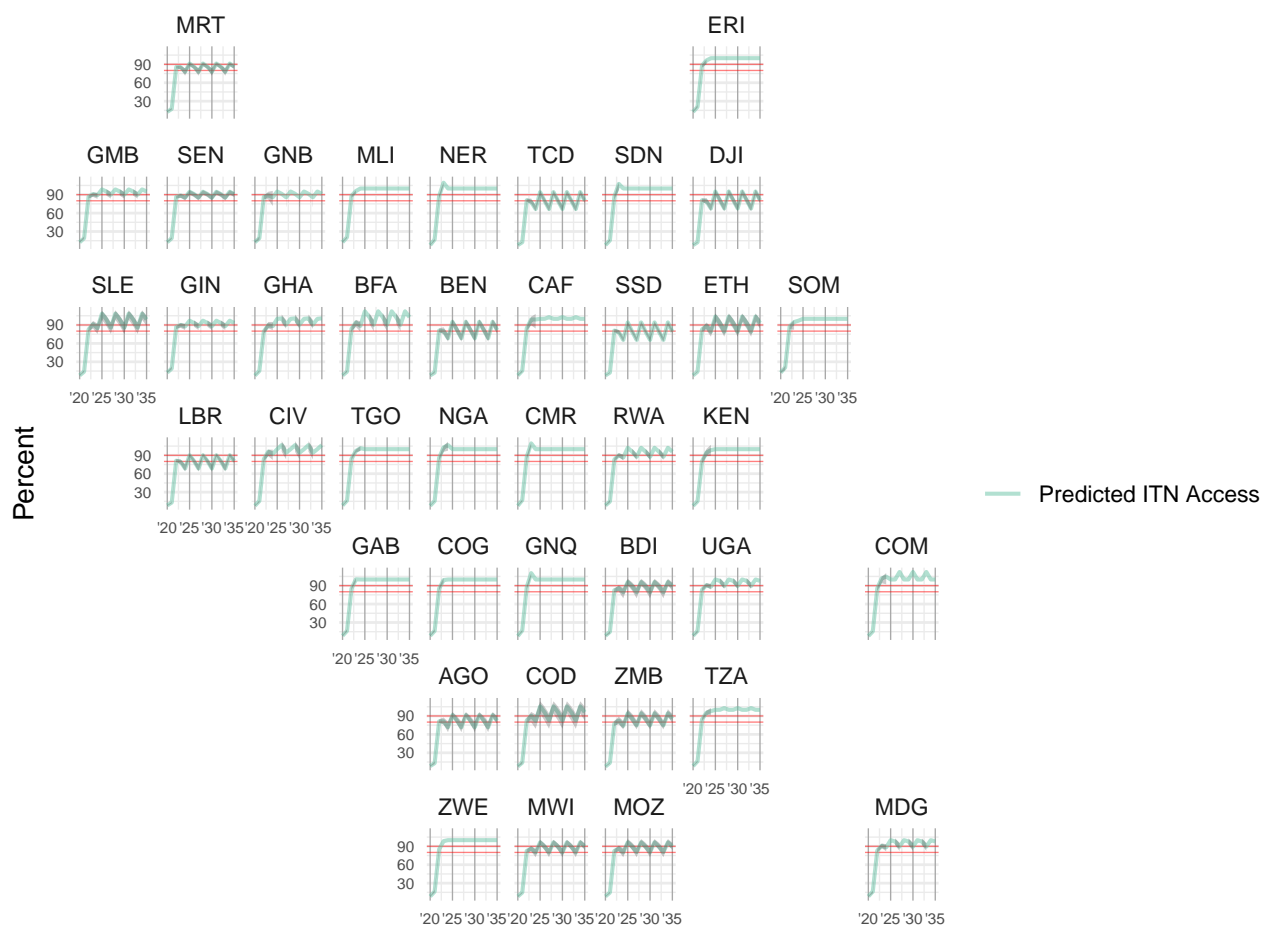


3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 24 % of the population

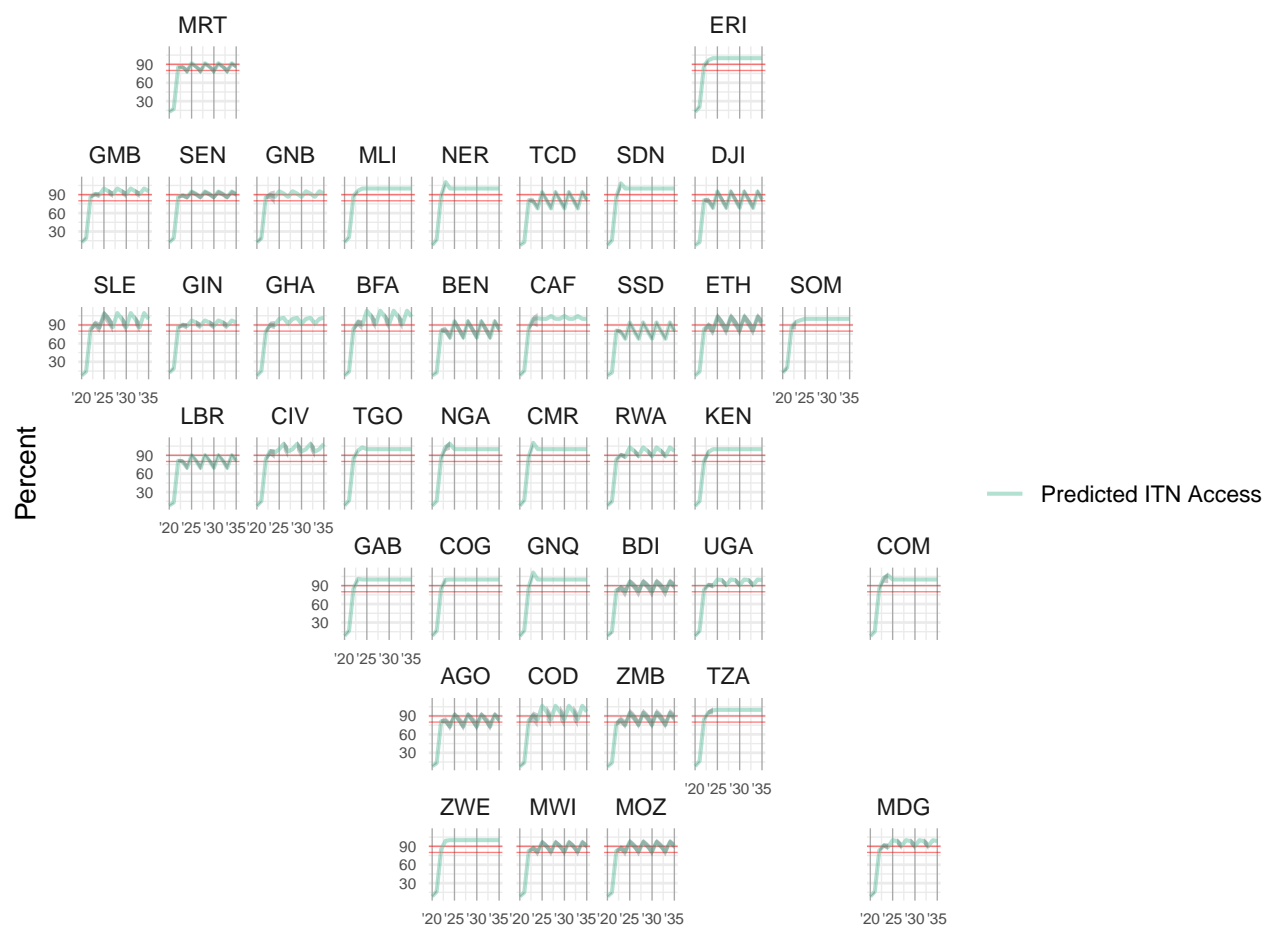




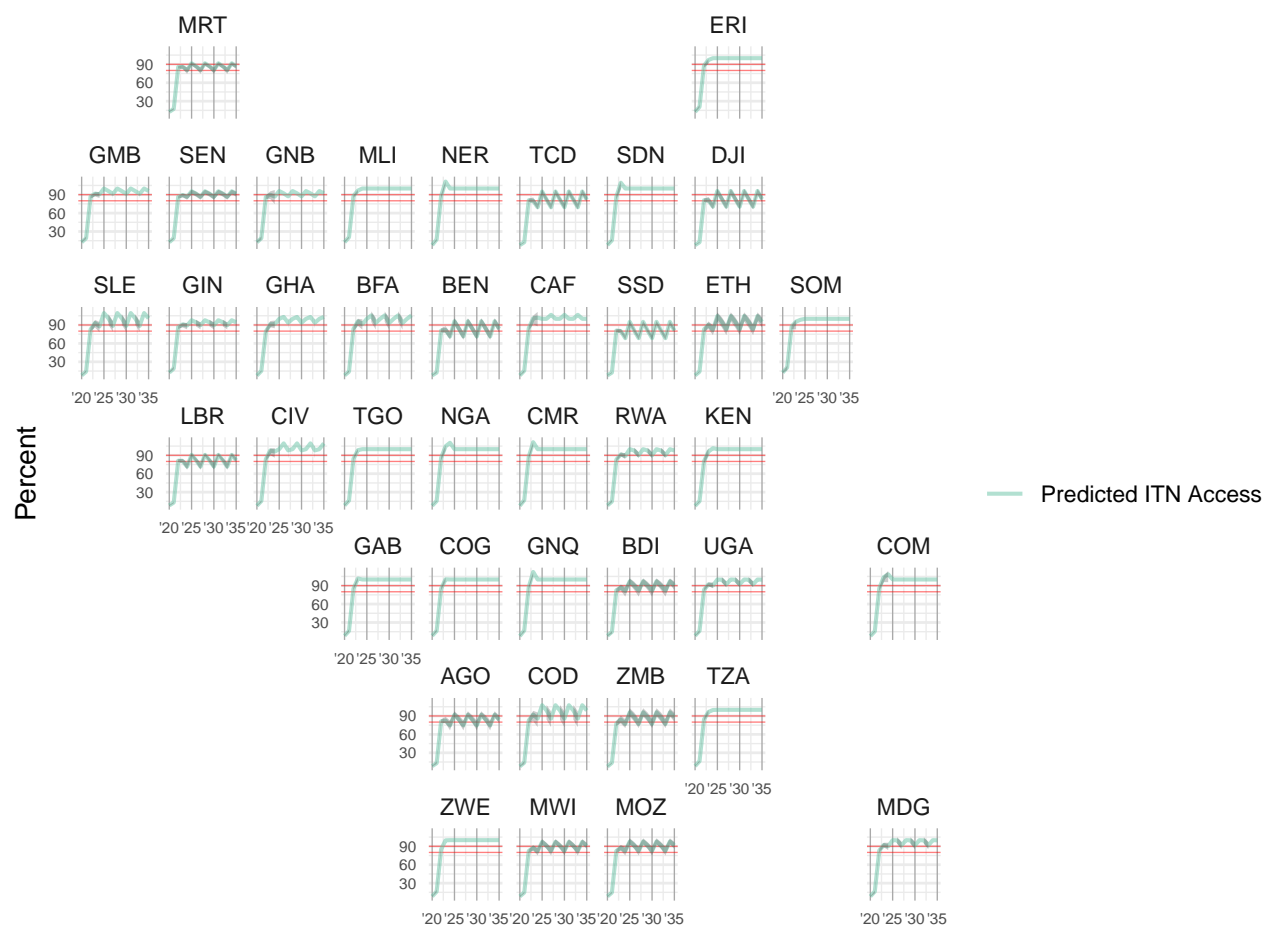
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 25 % of the population



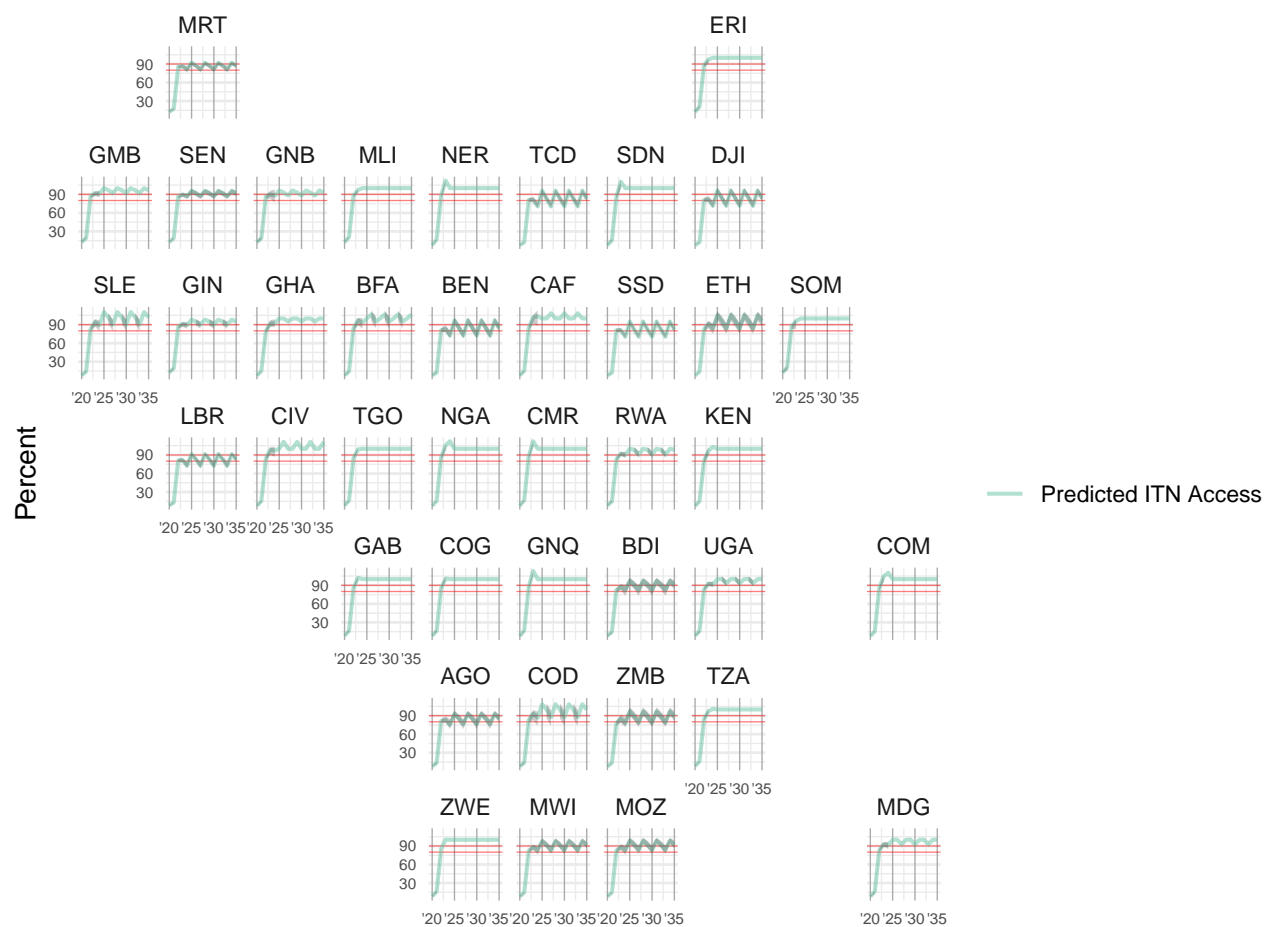
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 26 % of the population



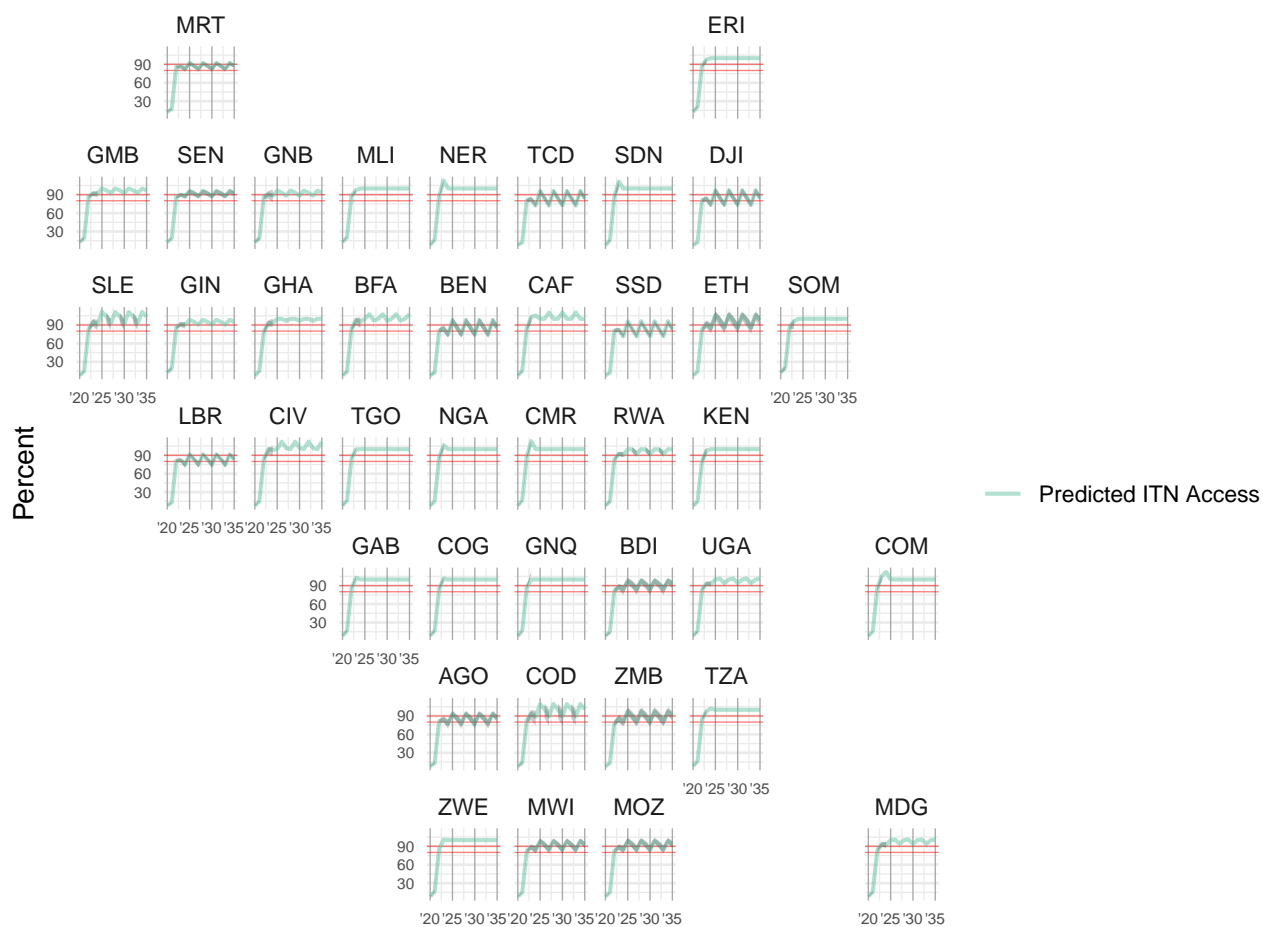
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 27 % of the population



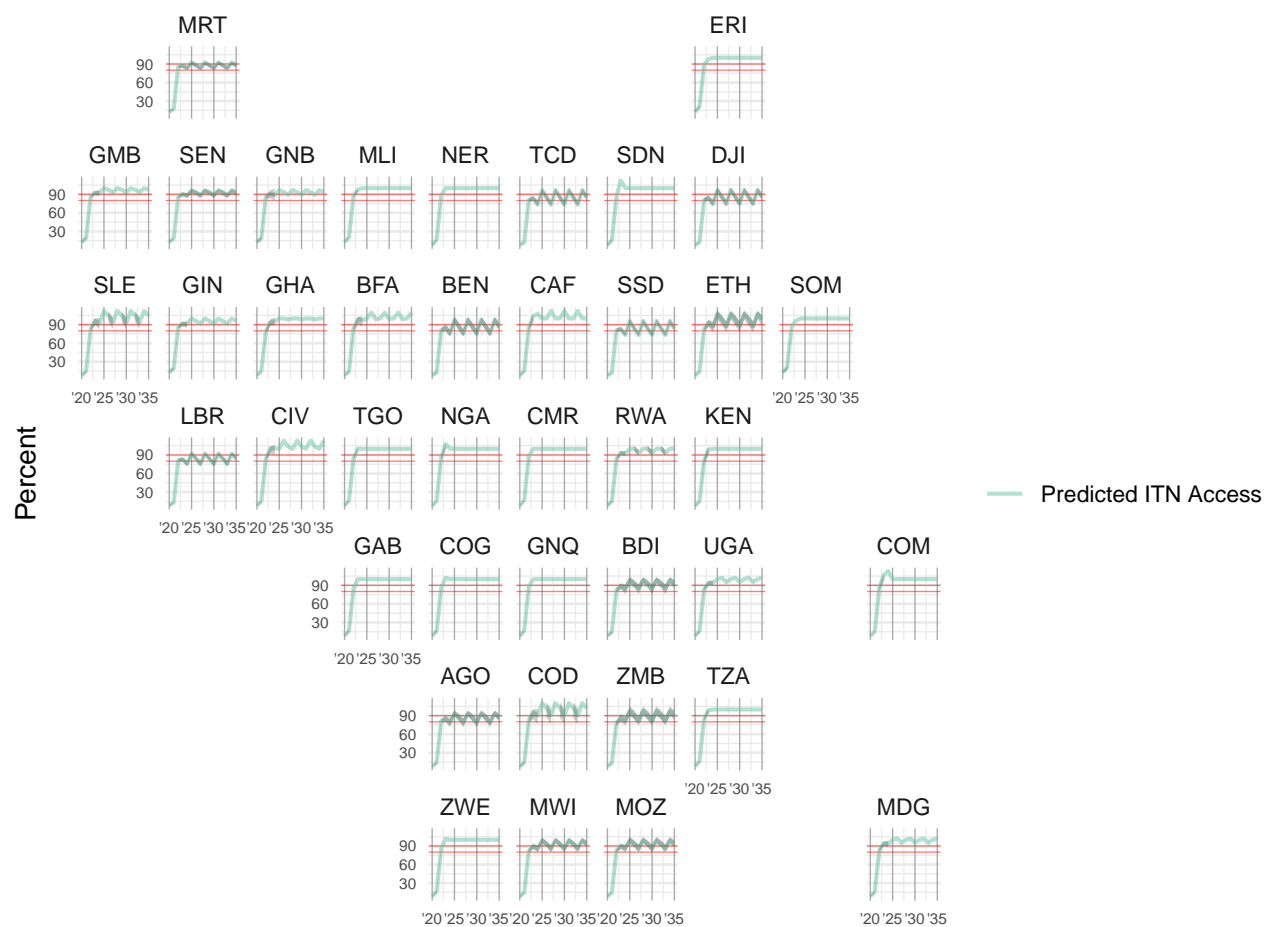
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 28 % of the population



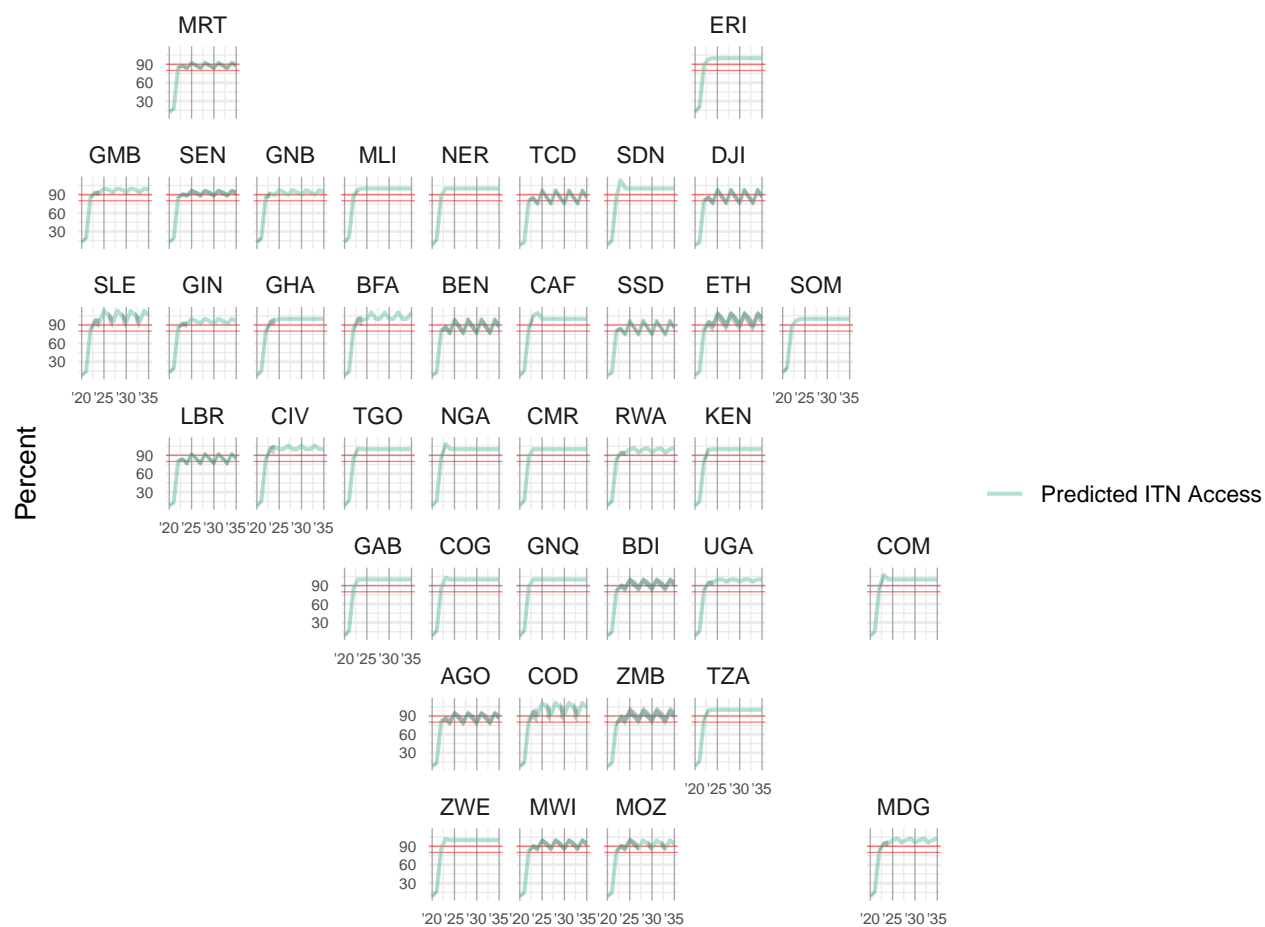
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 29 % of the population



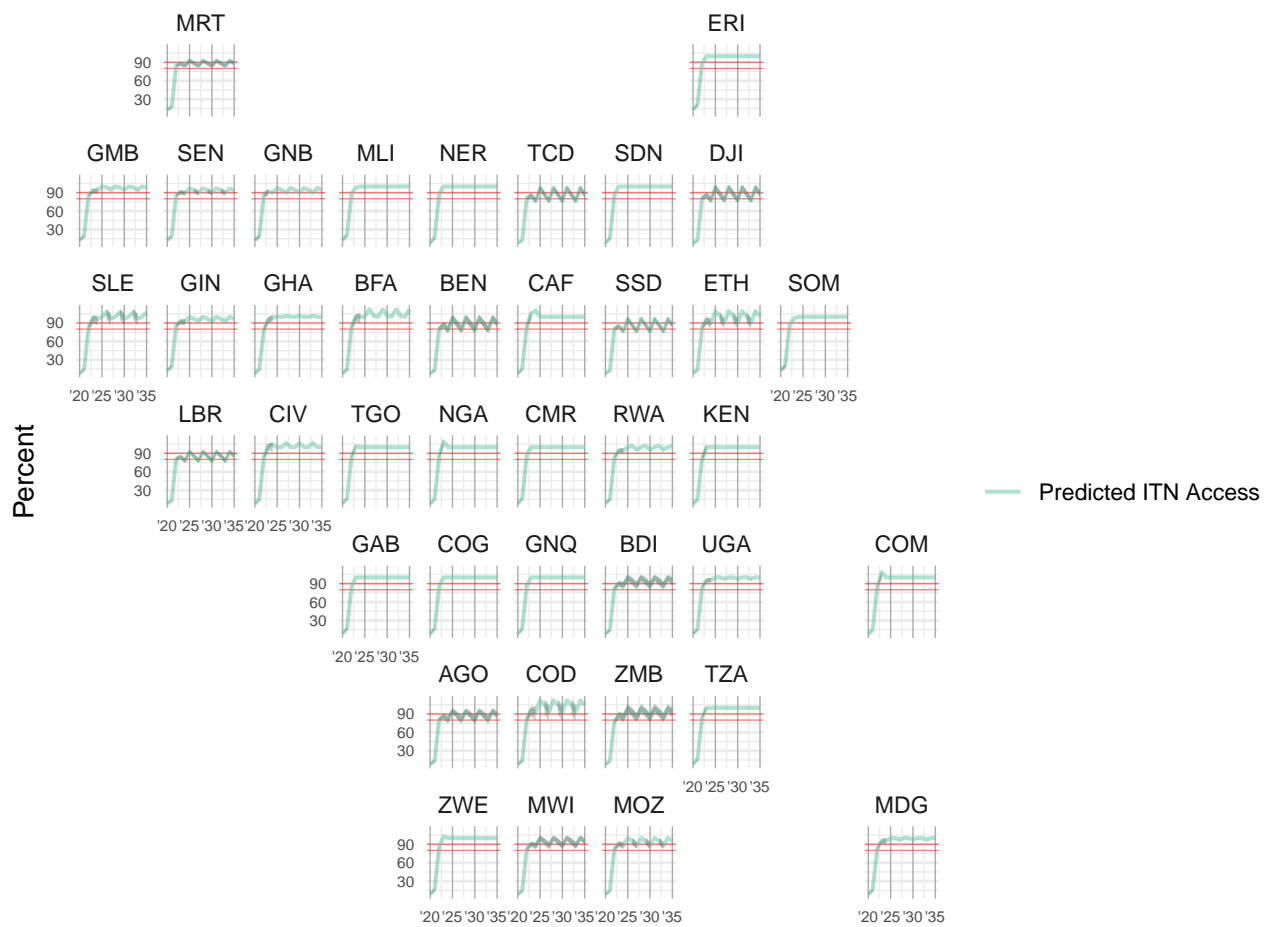
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 30 % of the population



3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 31 % of the population

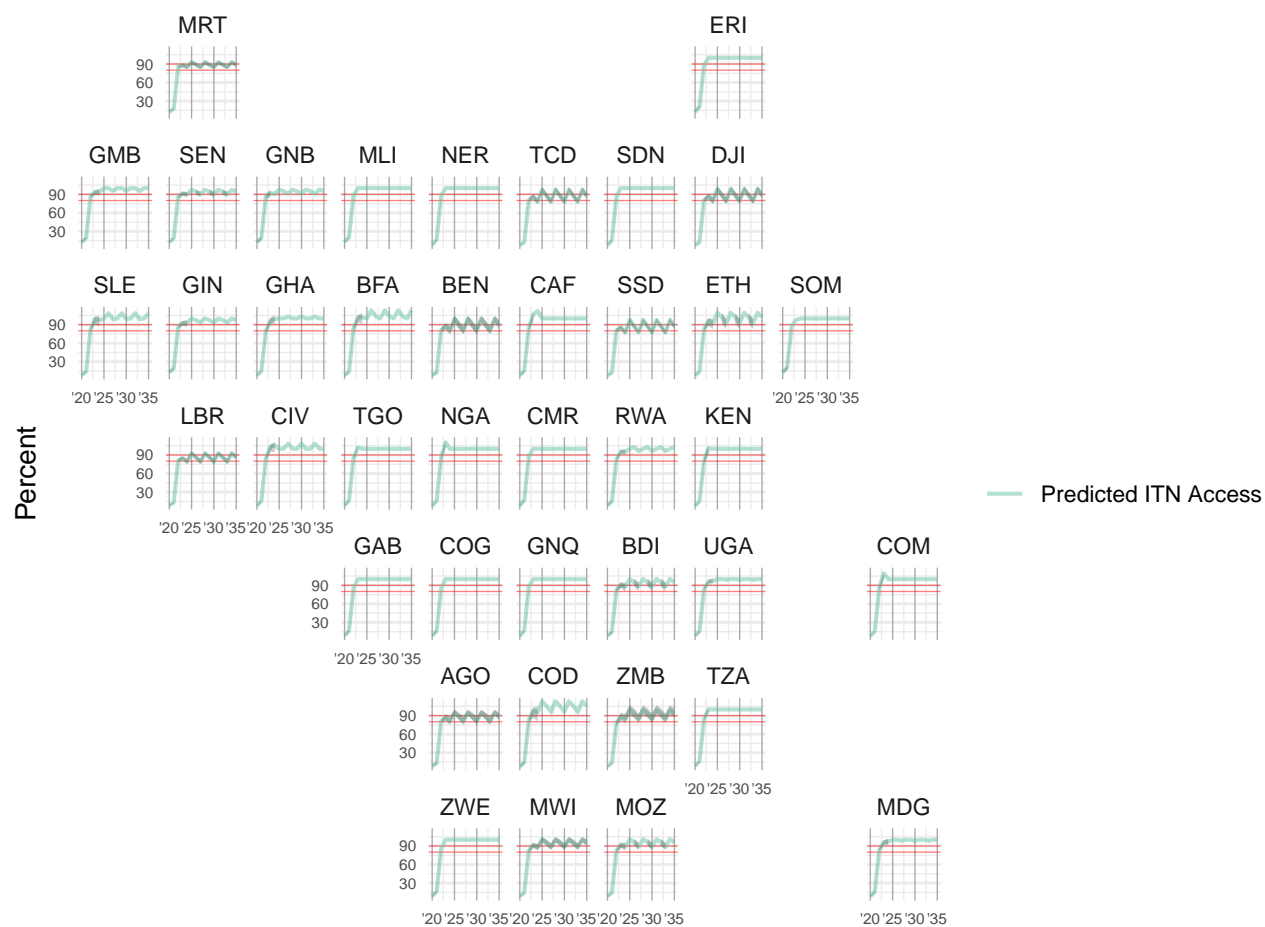


3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 32 % of the population

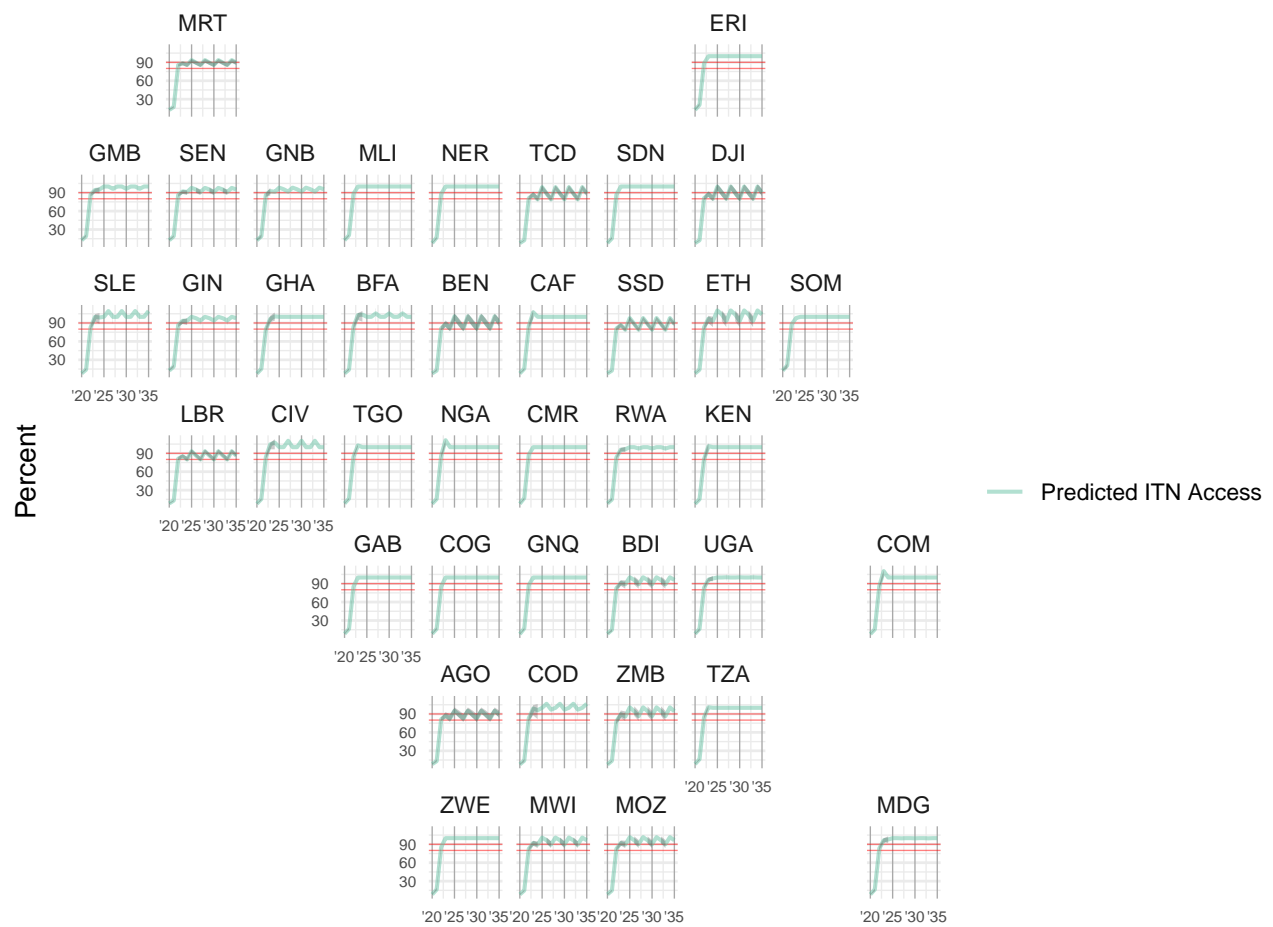




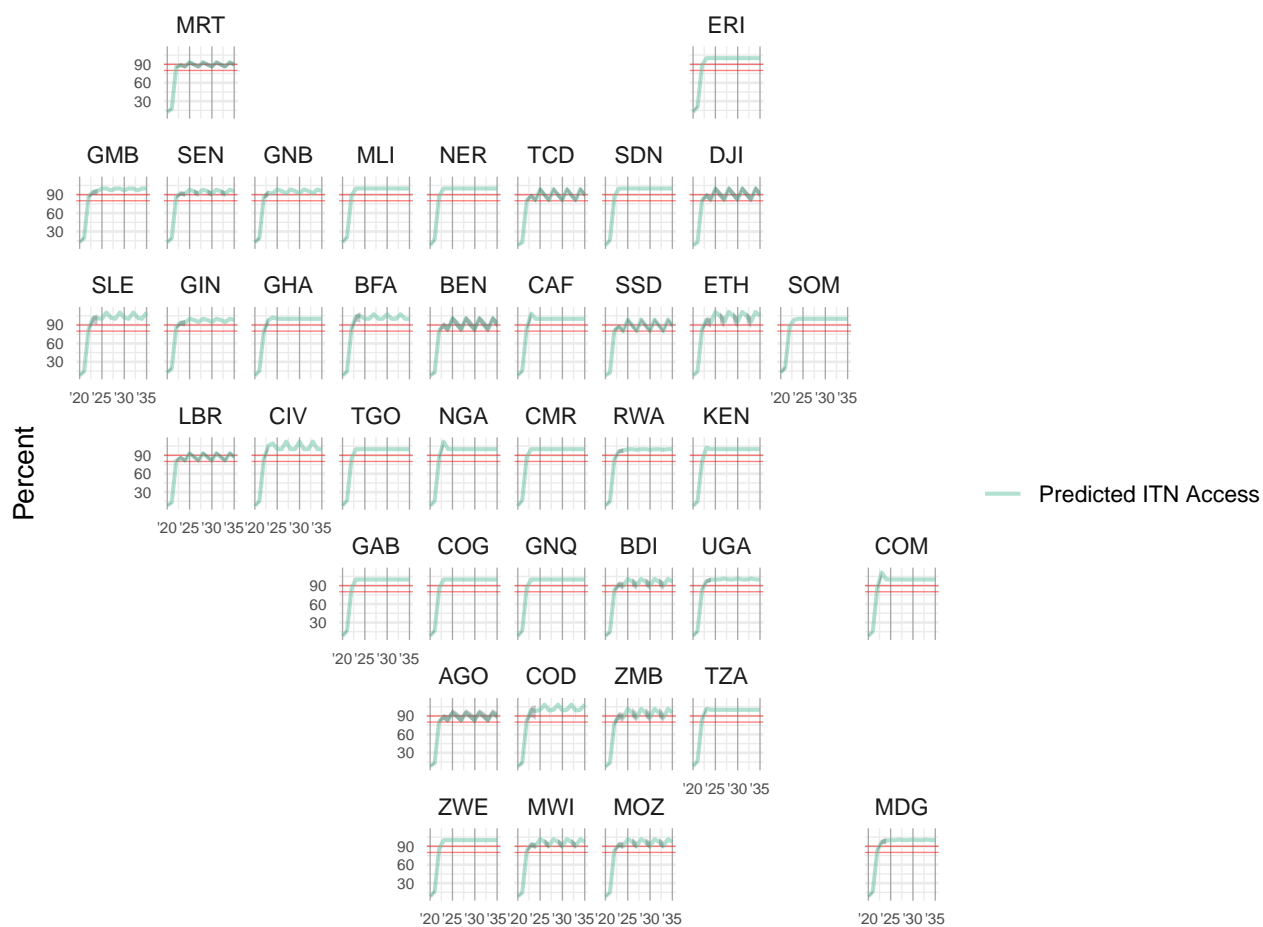
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 33 % of the population



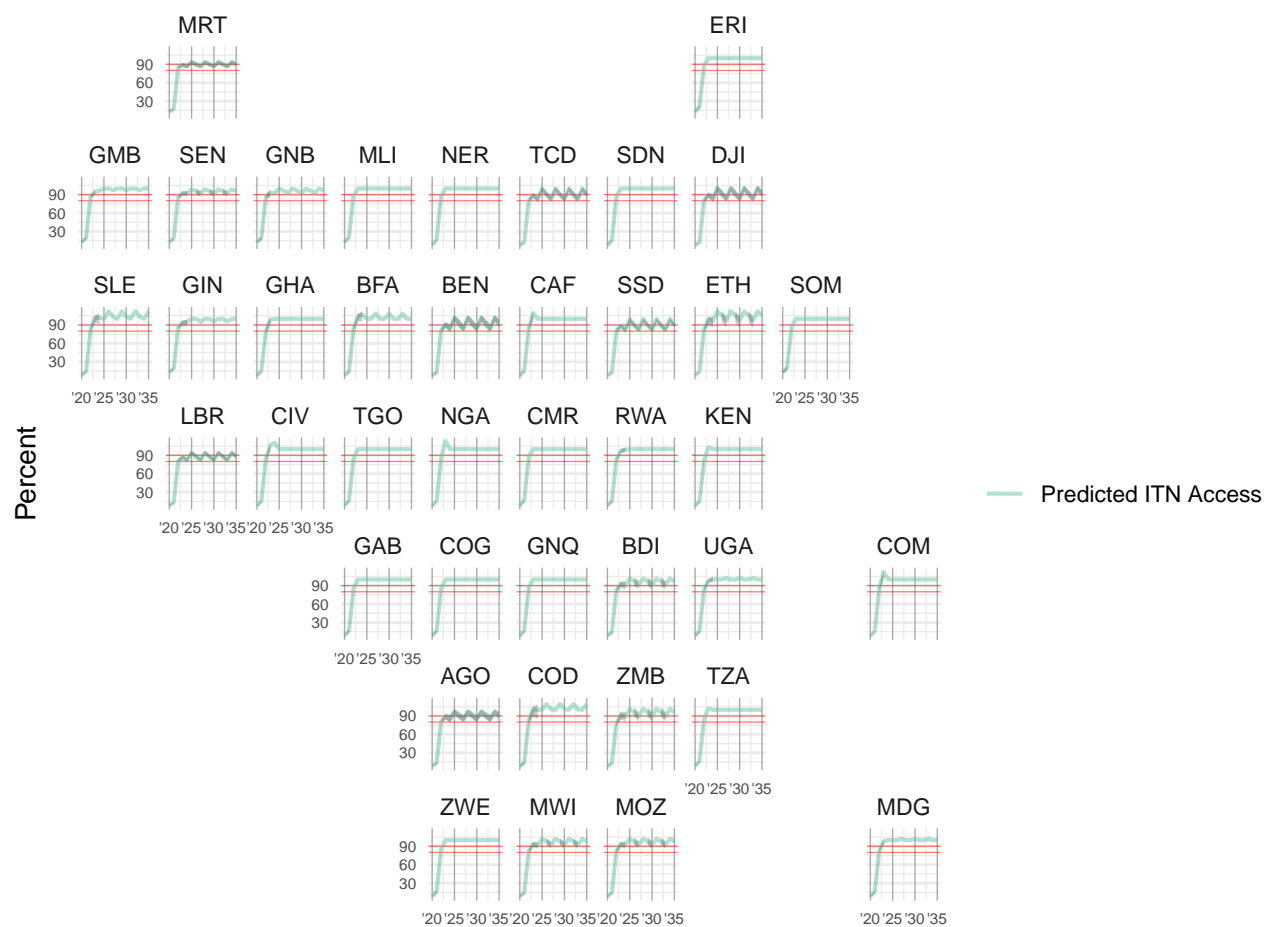
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 34 % of the population



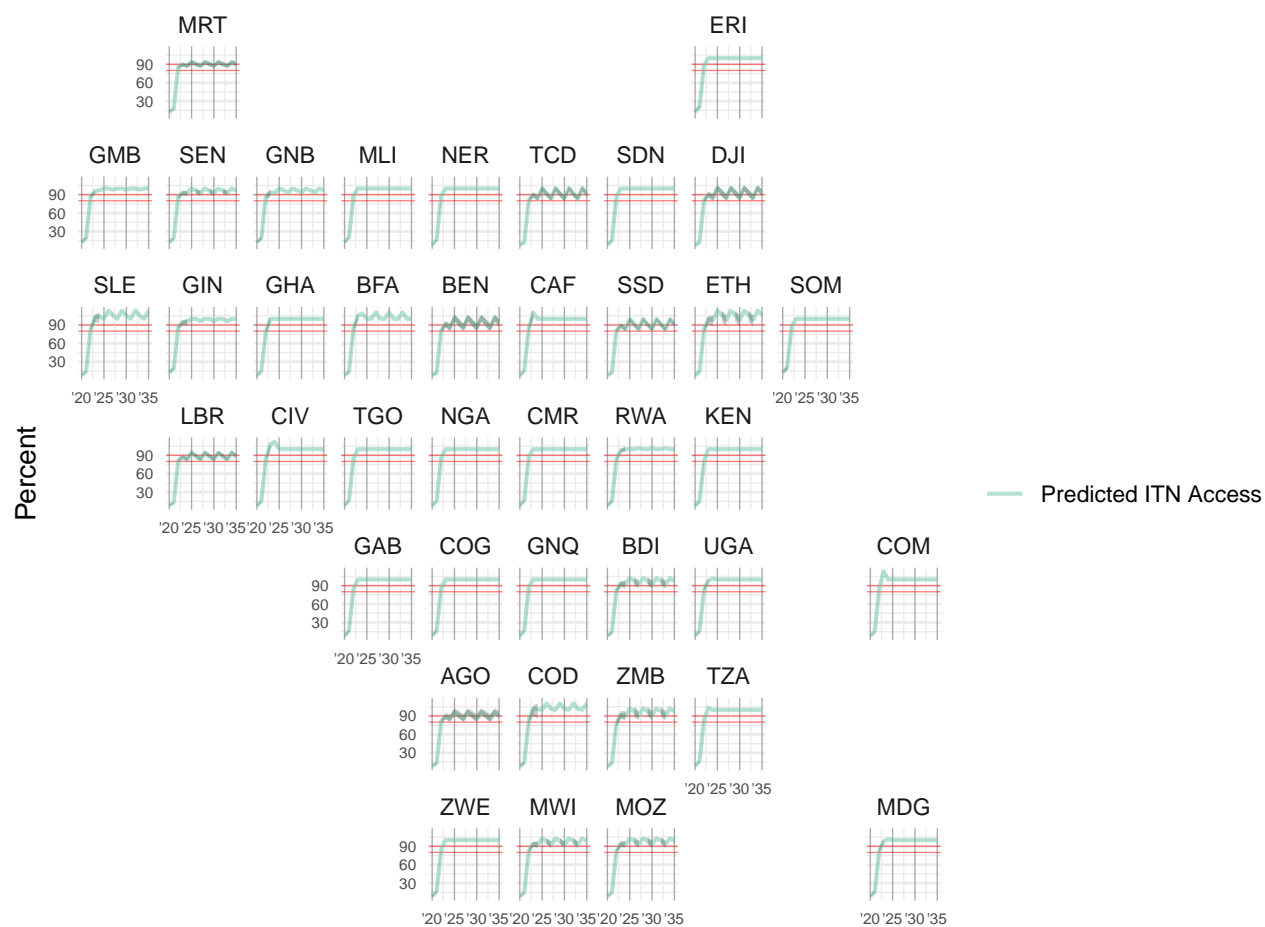
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 35 % of the population



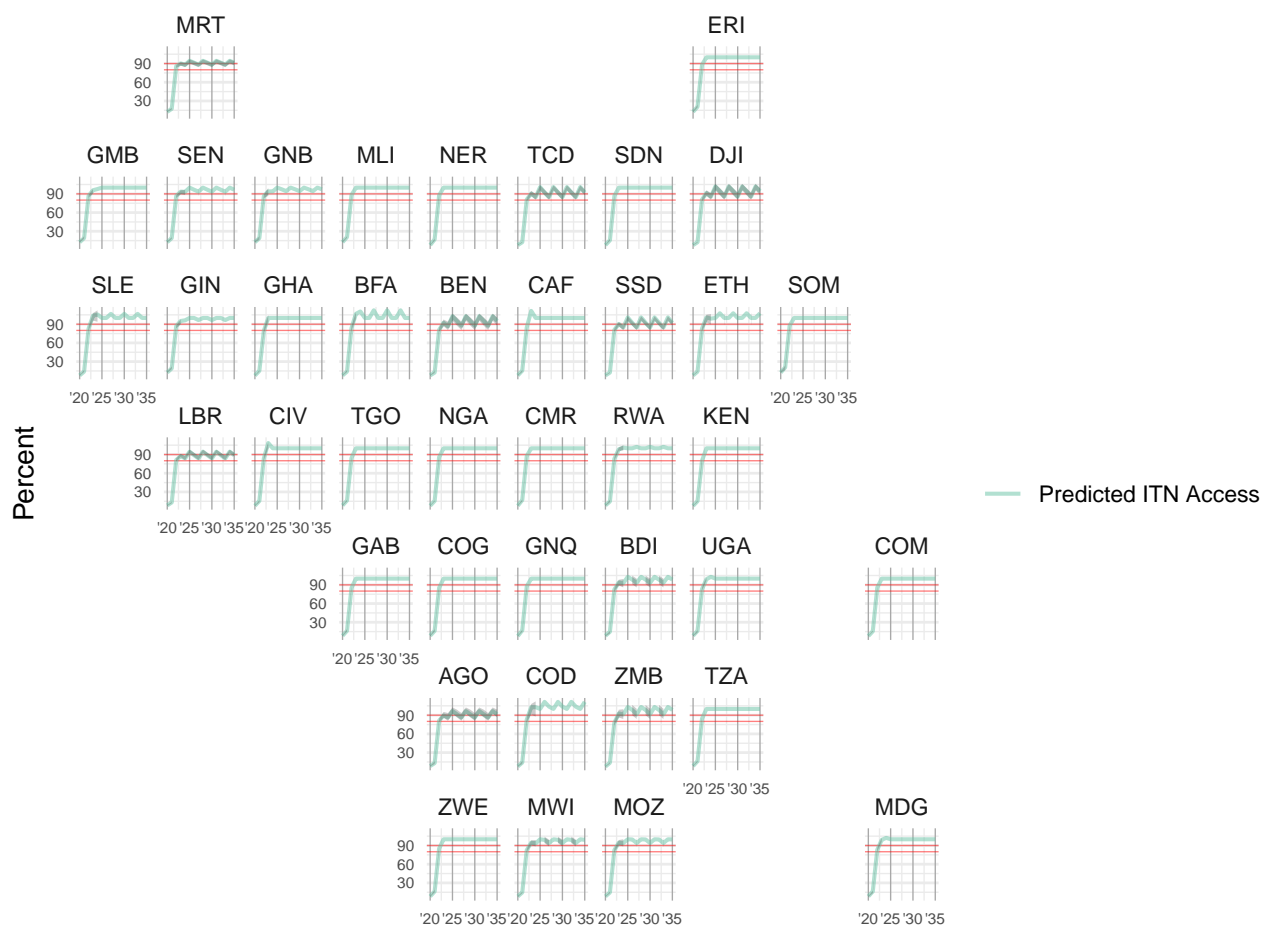
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 36 % of the population



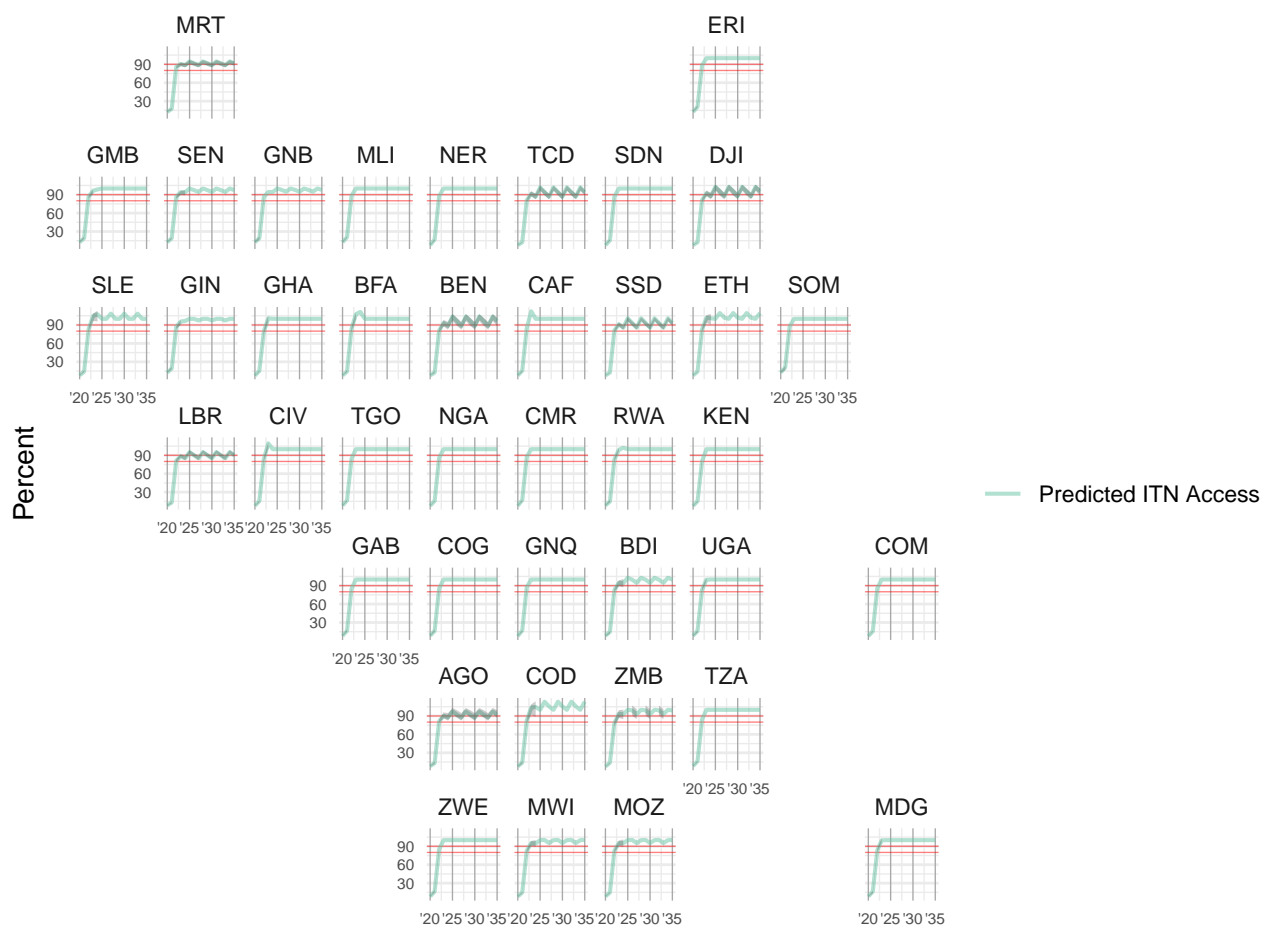
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 37 % of the population



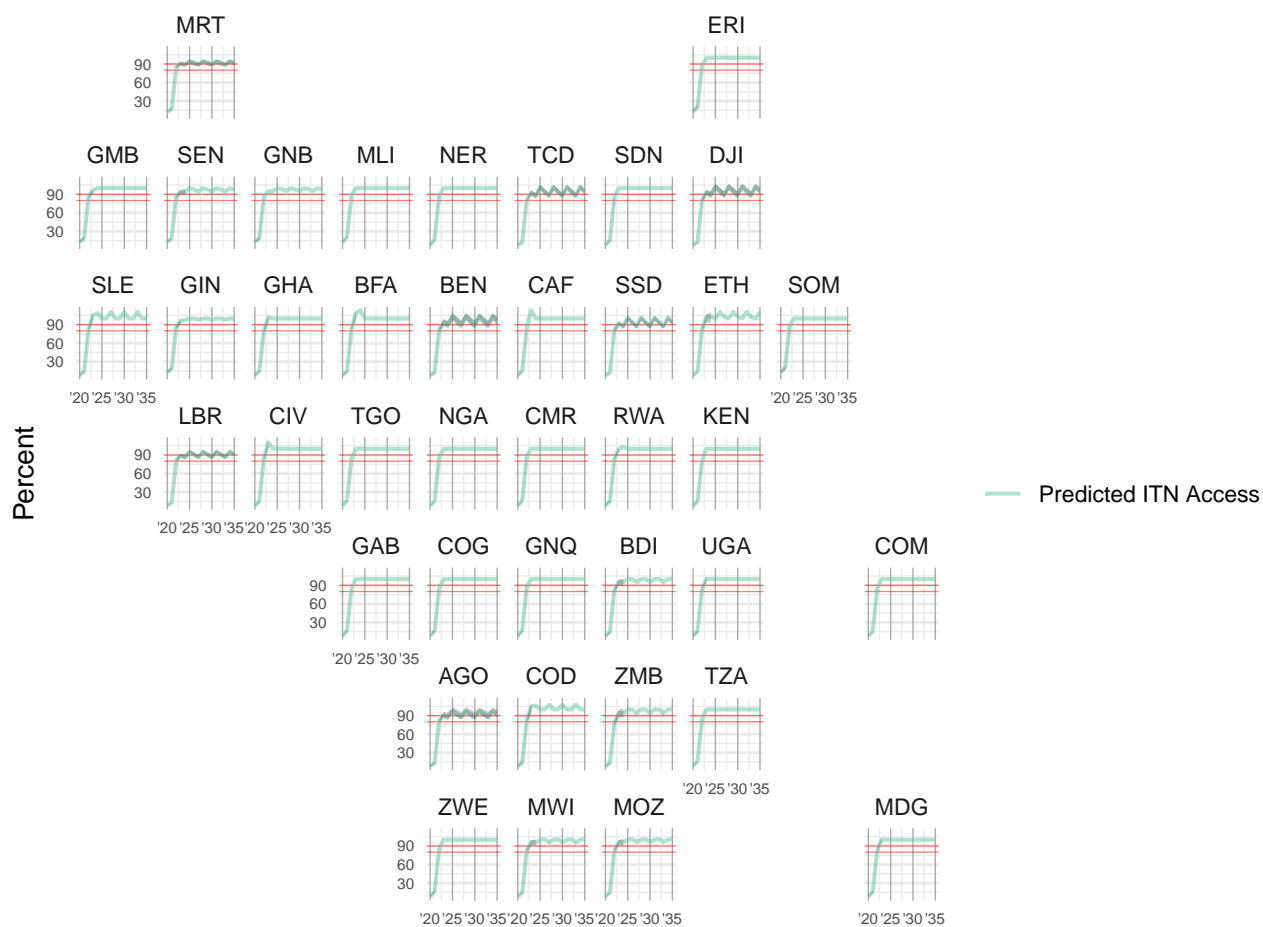
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 38 % of the population



3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 39 % of the population



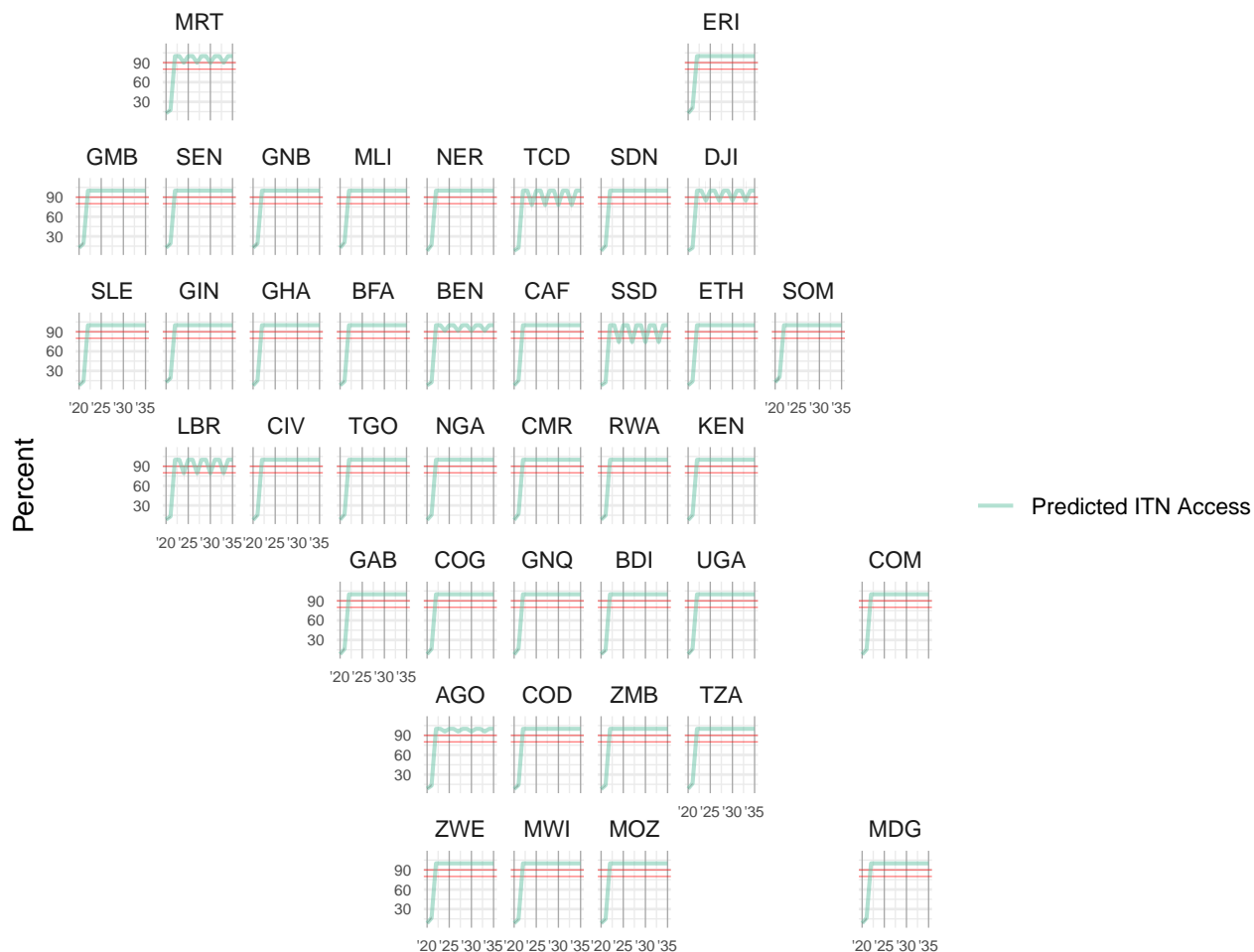
3-year mass campaigns with ANC/EPI at 6%  
and between-campaign school/community distribution  
at 40 % of the population



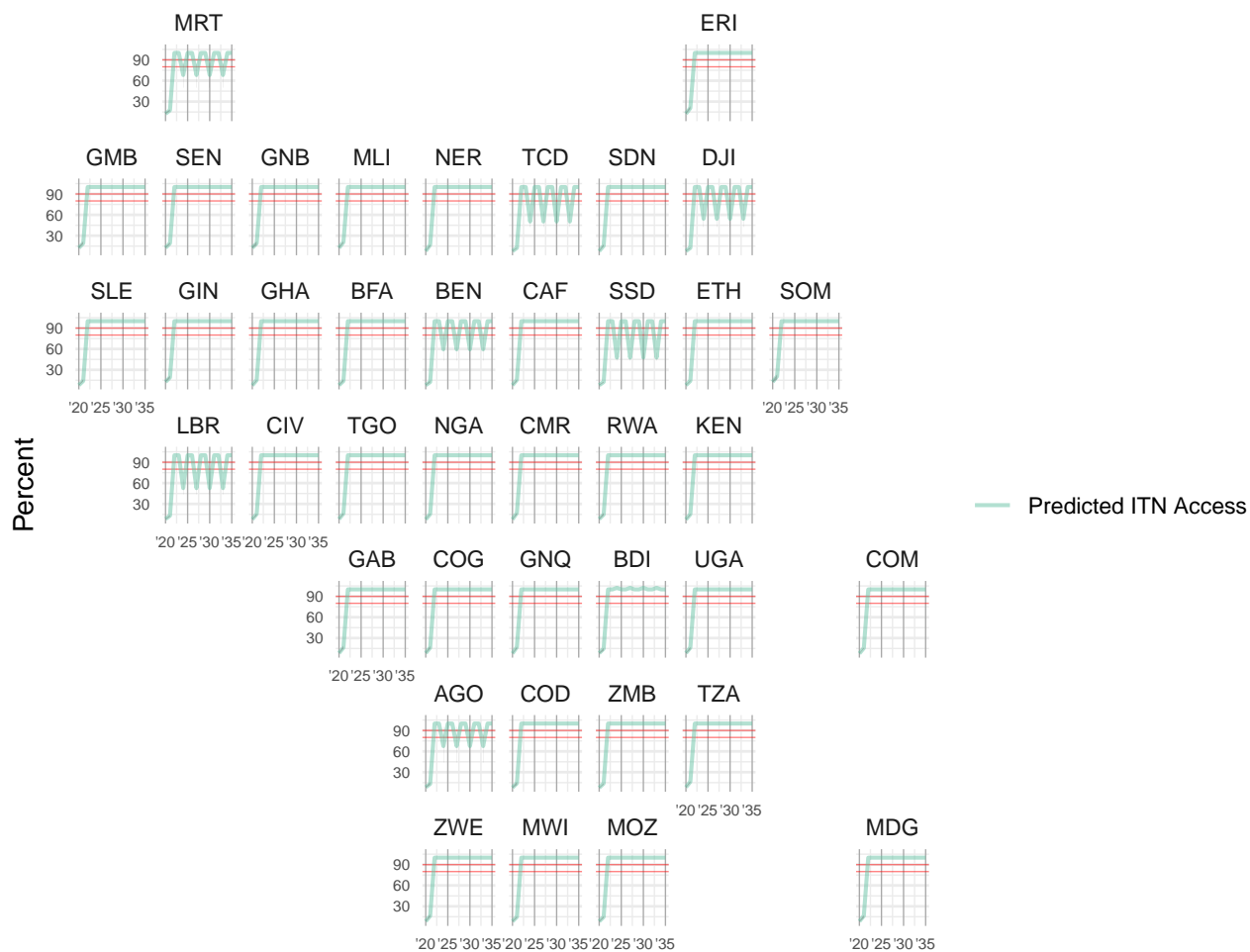


#### 4 Scenario 4 - Three-year mass campaigns with ANC/EPI distribution at 6%, varying campaign quantifier

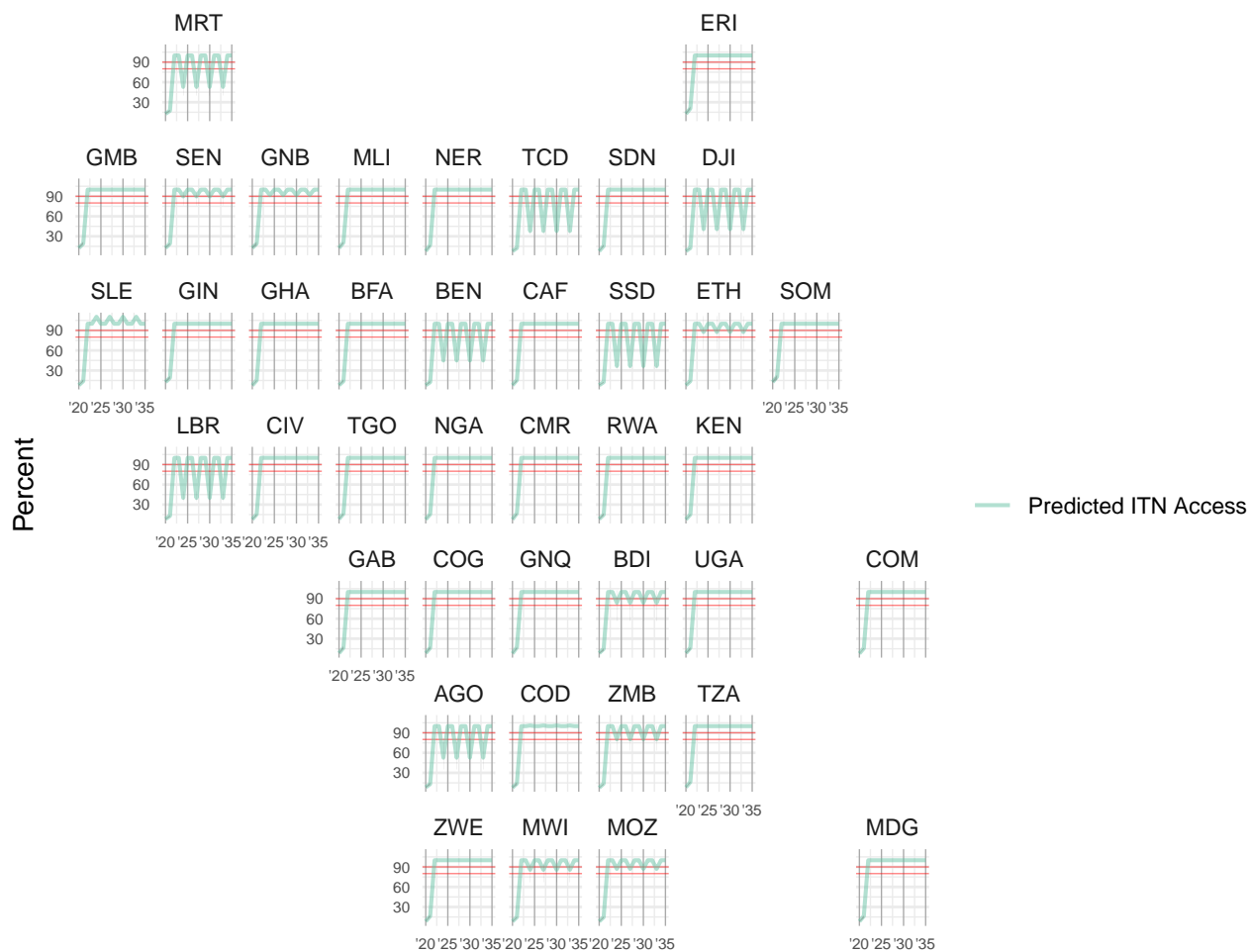
3-year mass campaigns with ANC/EPI,  
at population / 0.1



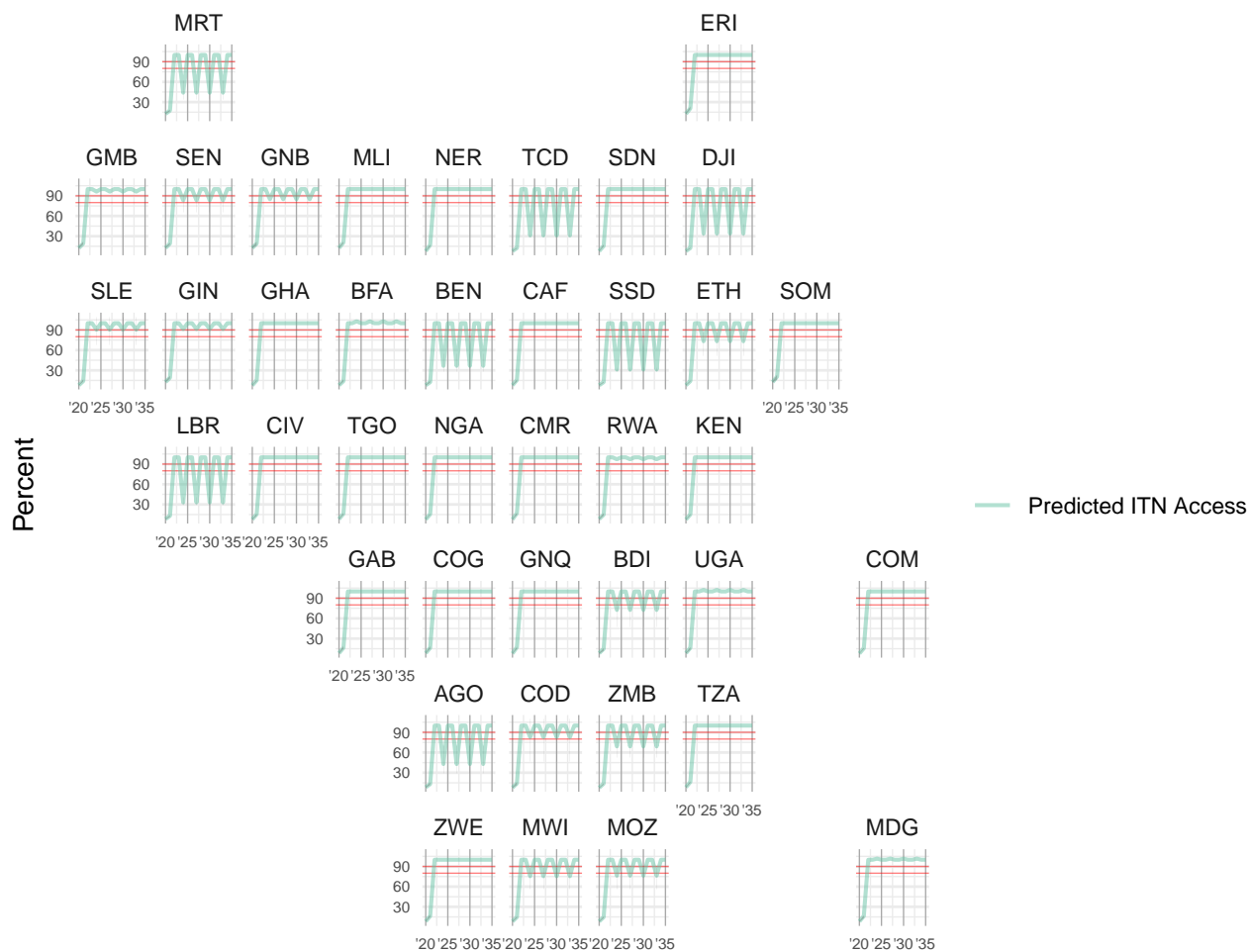
### 3-year mass campaigns with ANC/EPI, at population / 0.2



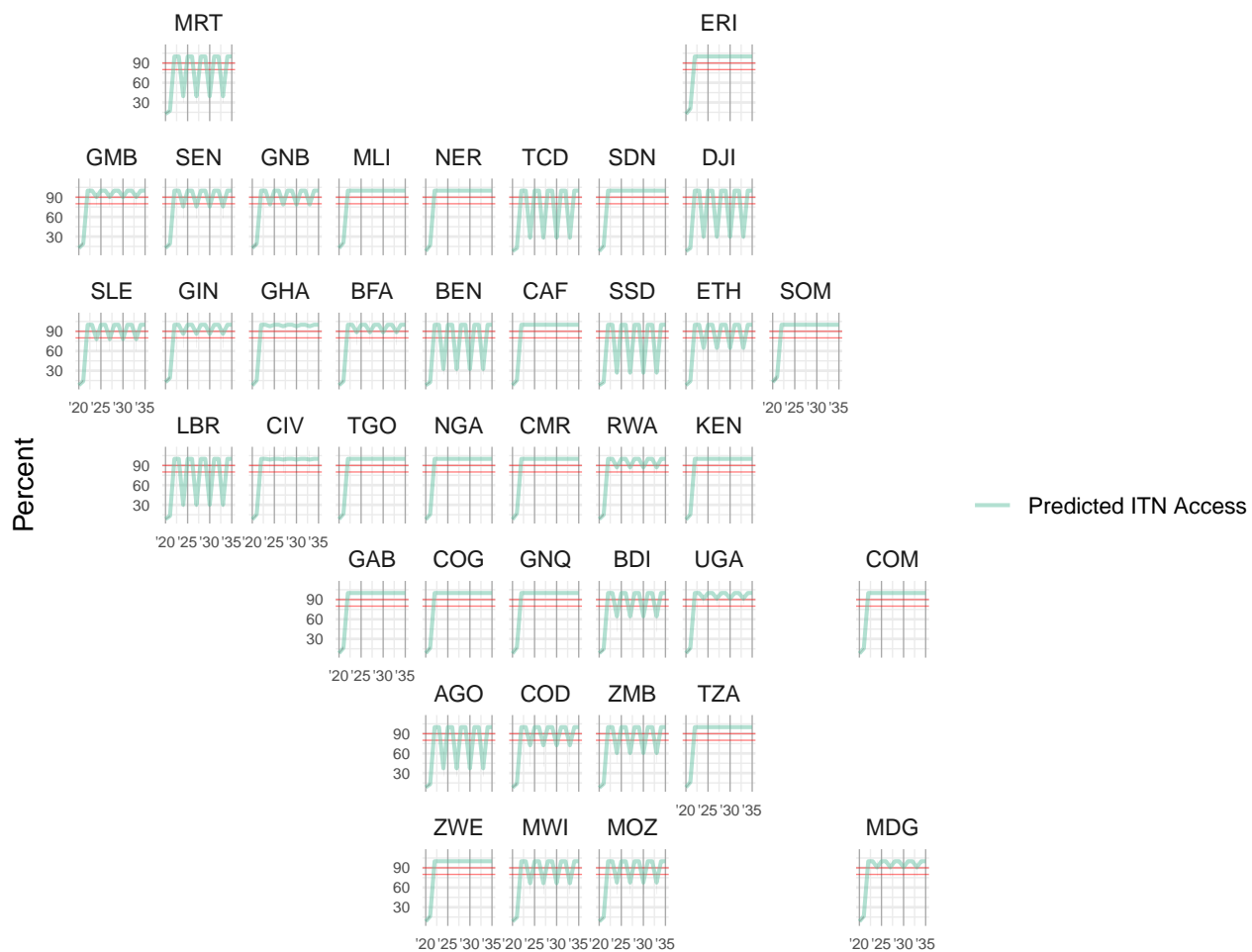
### 3-year mass campaigns with ANC/EPI, at population / 0.3



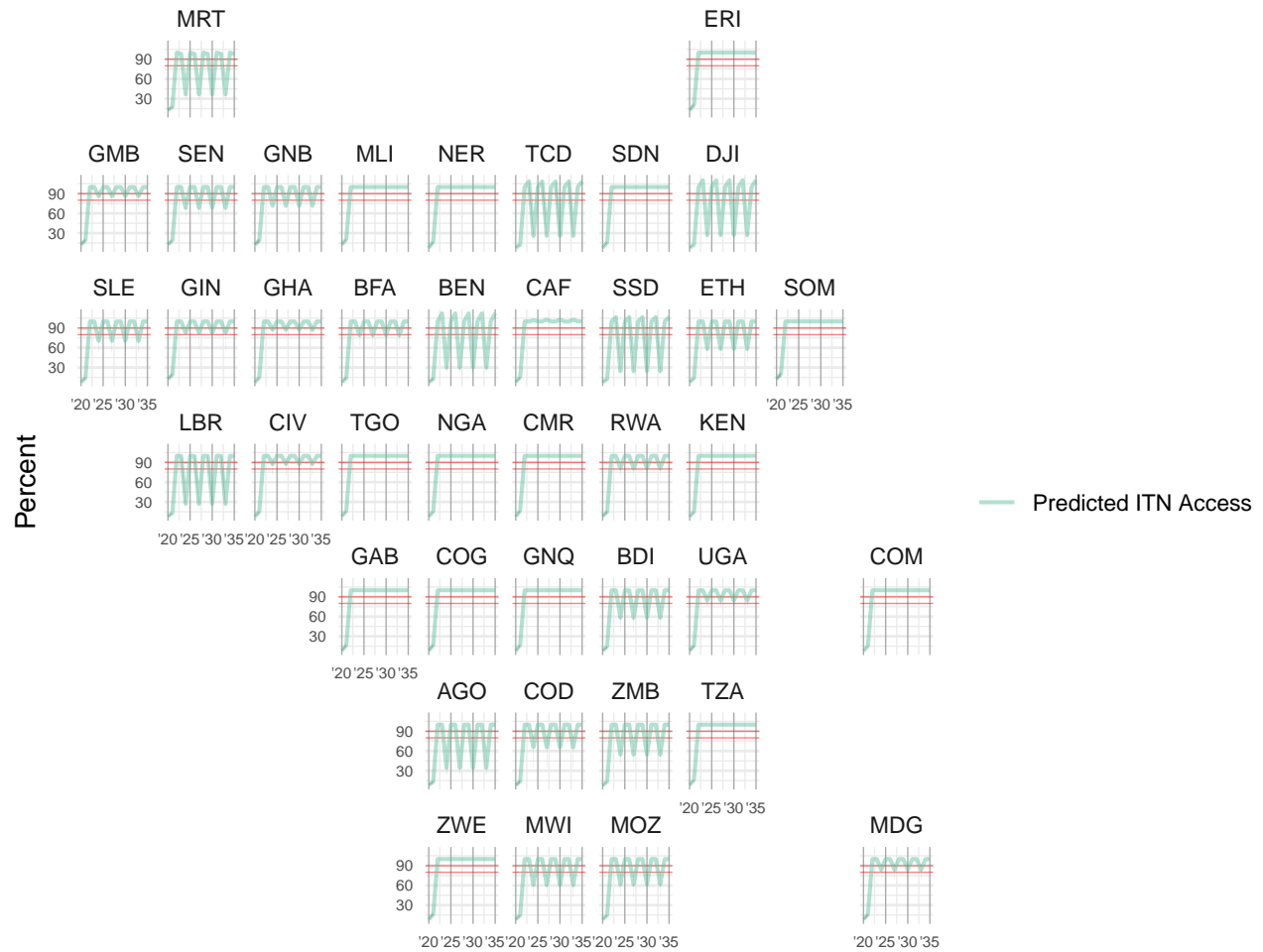
### 3-year mass campaigns with ANC/EPI, at population / 0.4



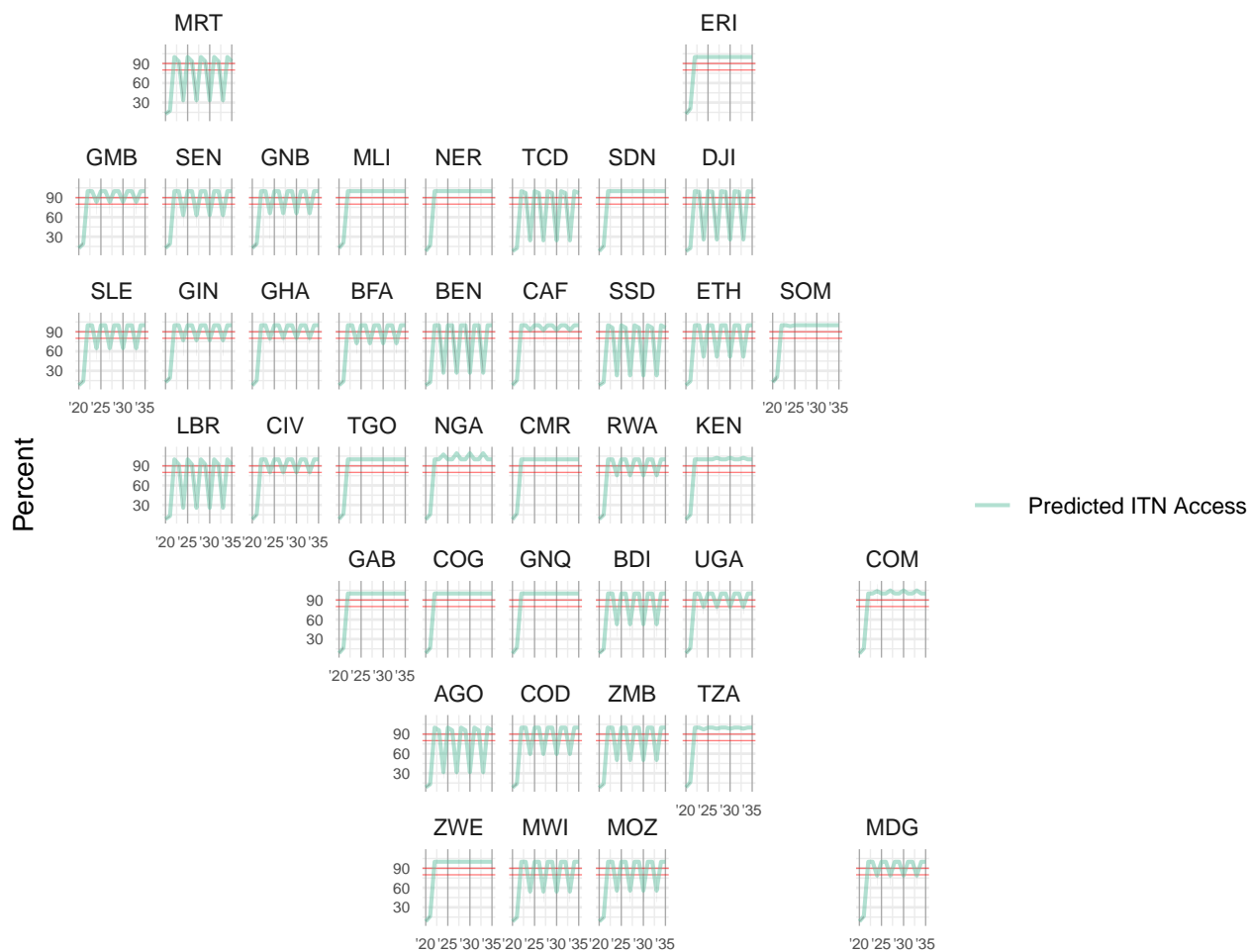
### 3-year mass campaigns with ANC/EPI, at population / 0.5



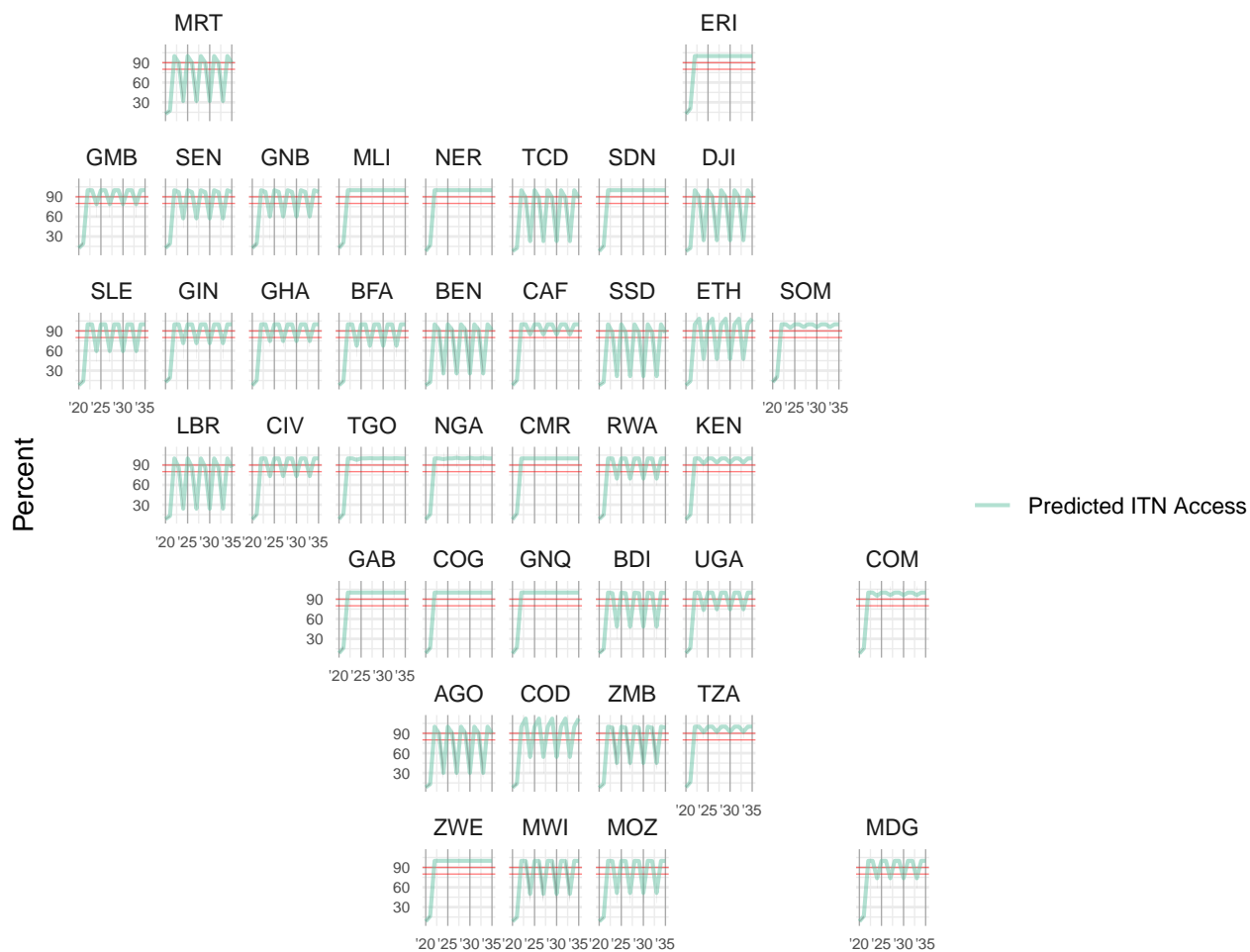
### 3-year mass campaigns with ANC/EPI, at population / 0.6



### 3-year mass campaigns with ANC/EPI, at population / 0.7

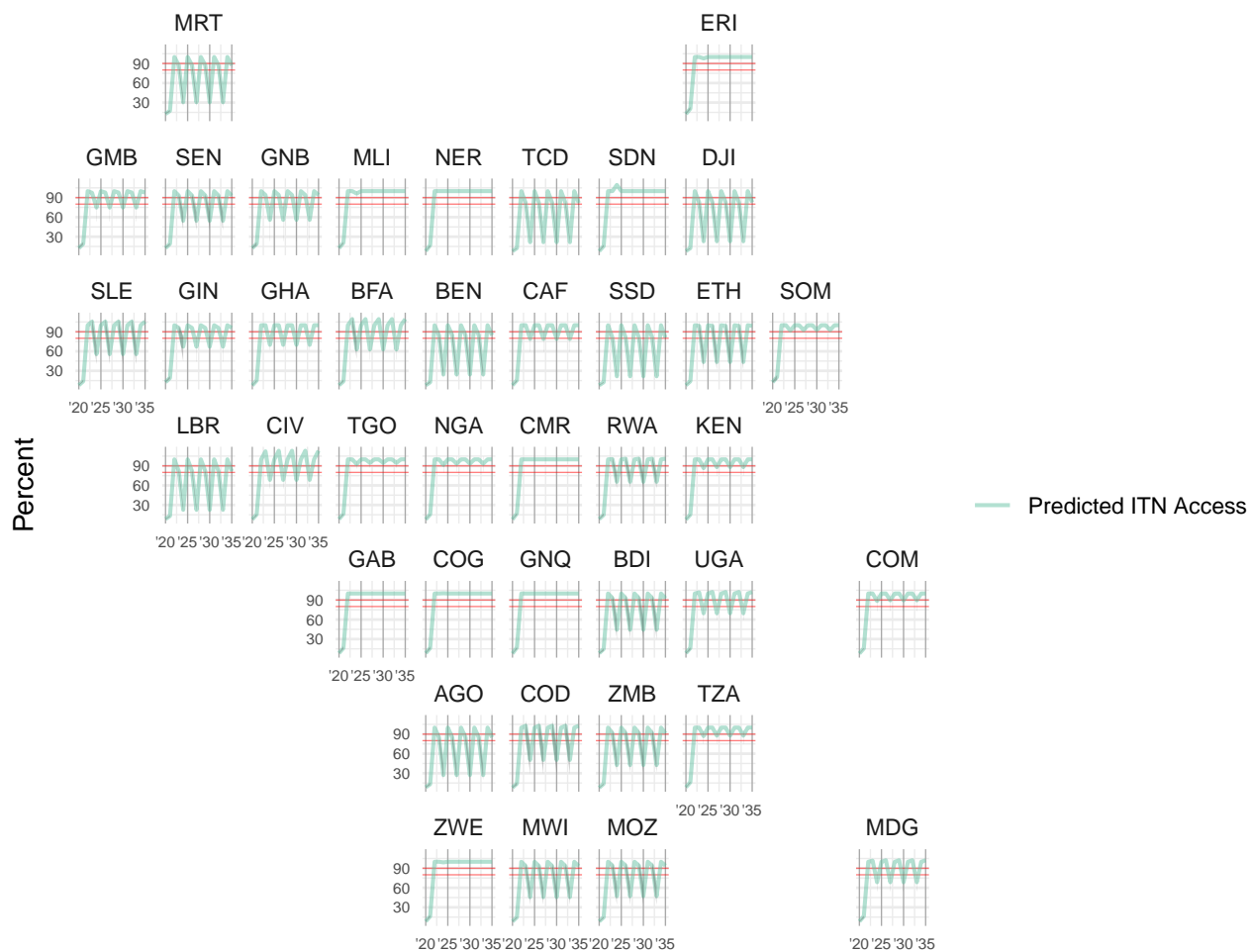


### 3-year mass campaigns with ANC/EPI, at population / 0.8

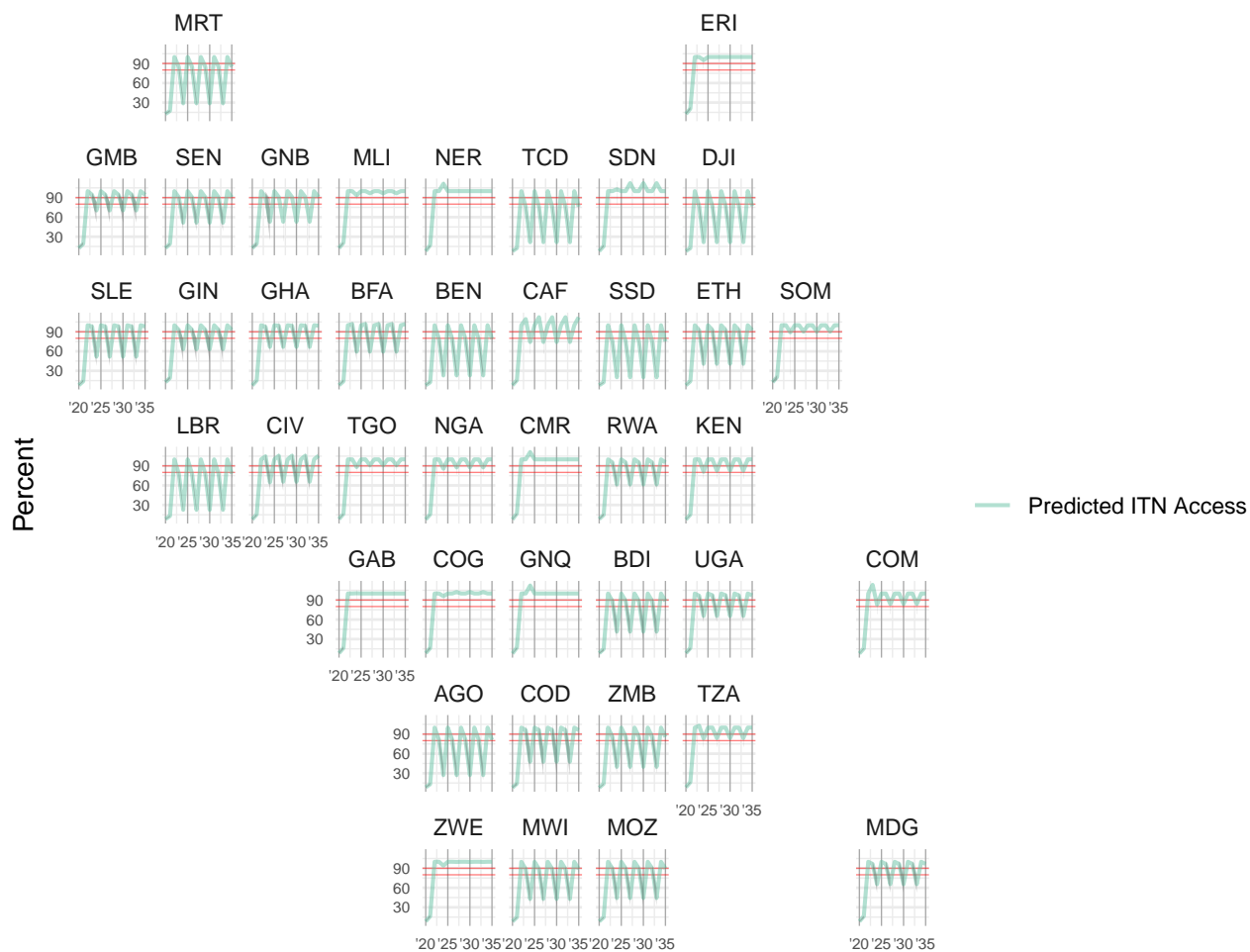




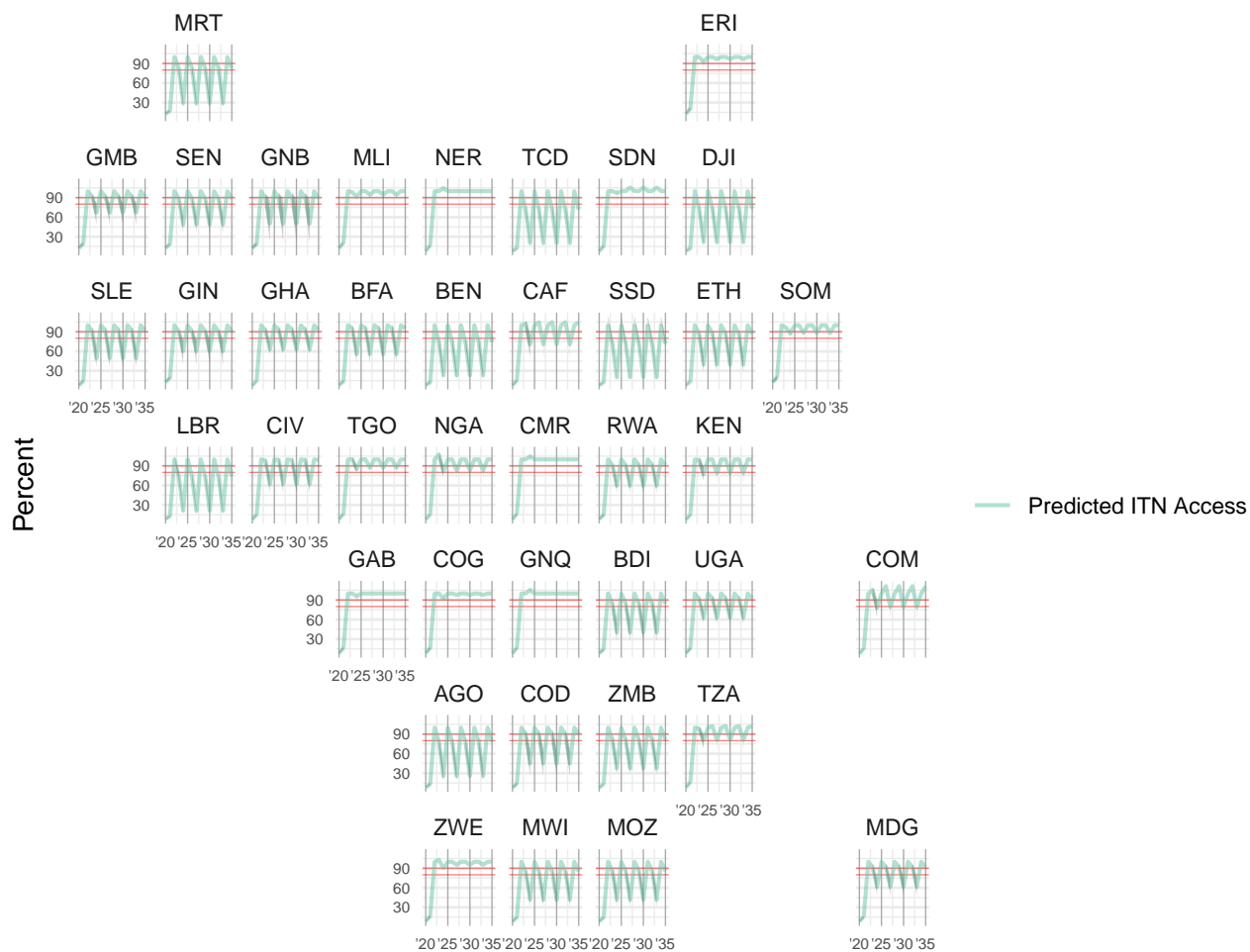
### 3-year mass campaigns with ANC/EPI, at population / 0.9



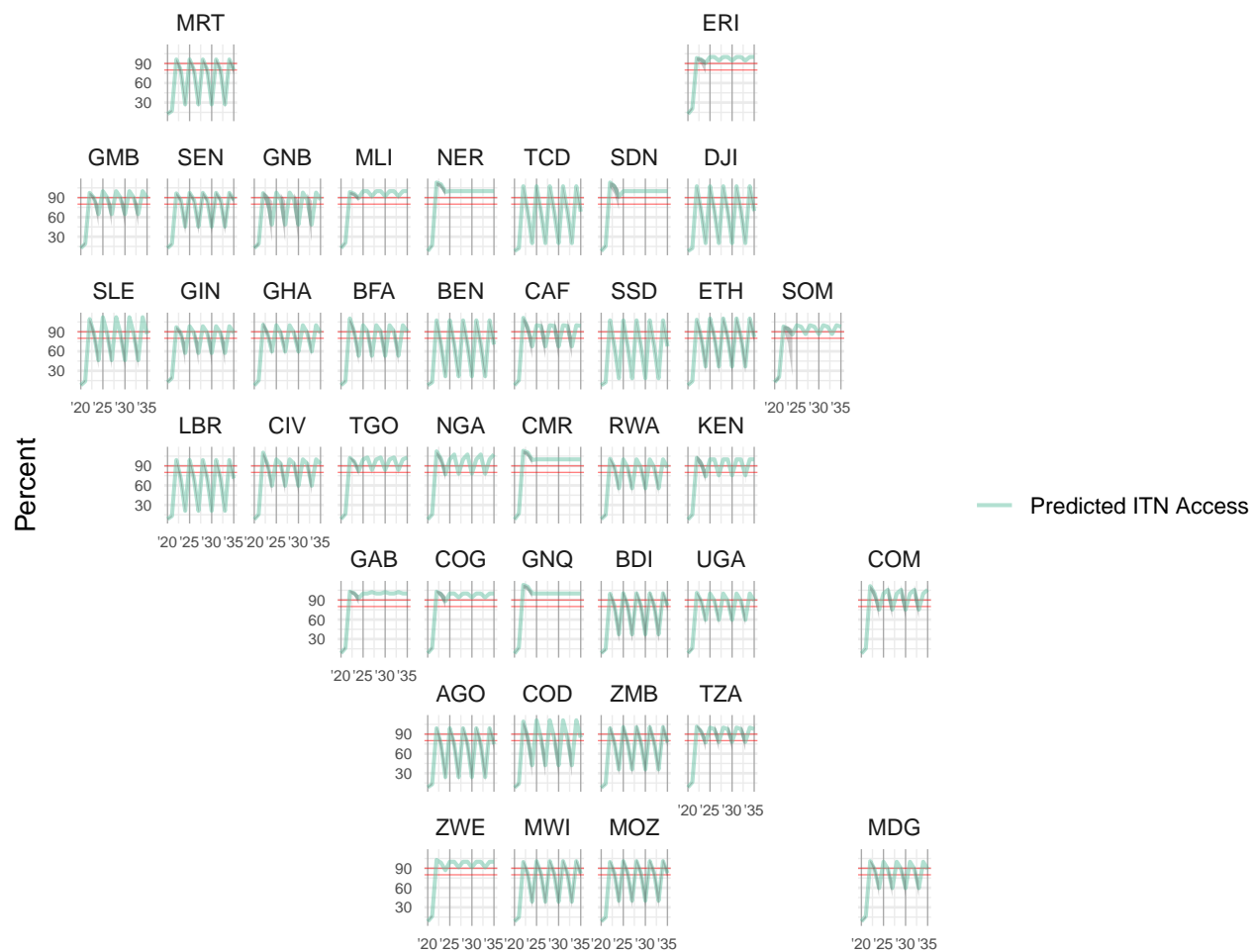
### 3-year mass campaigns with ANC/EPI, at population / 1



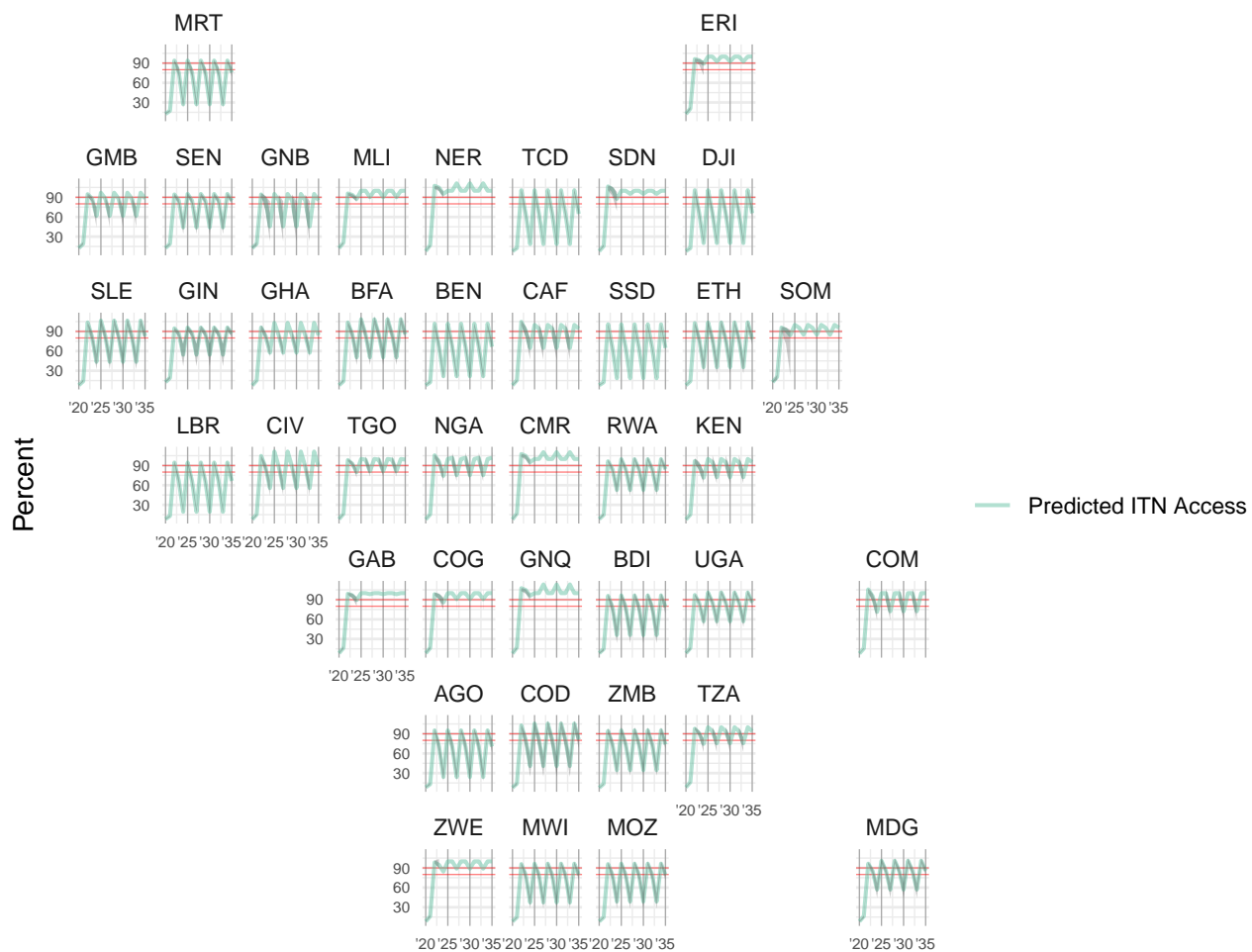
### 3-year mass campaigns with ANC/EPI, at population / 1.1



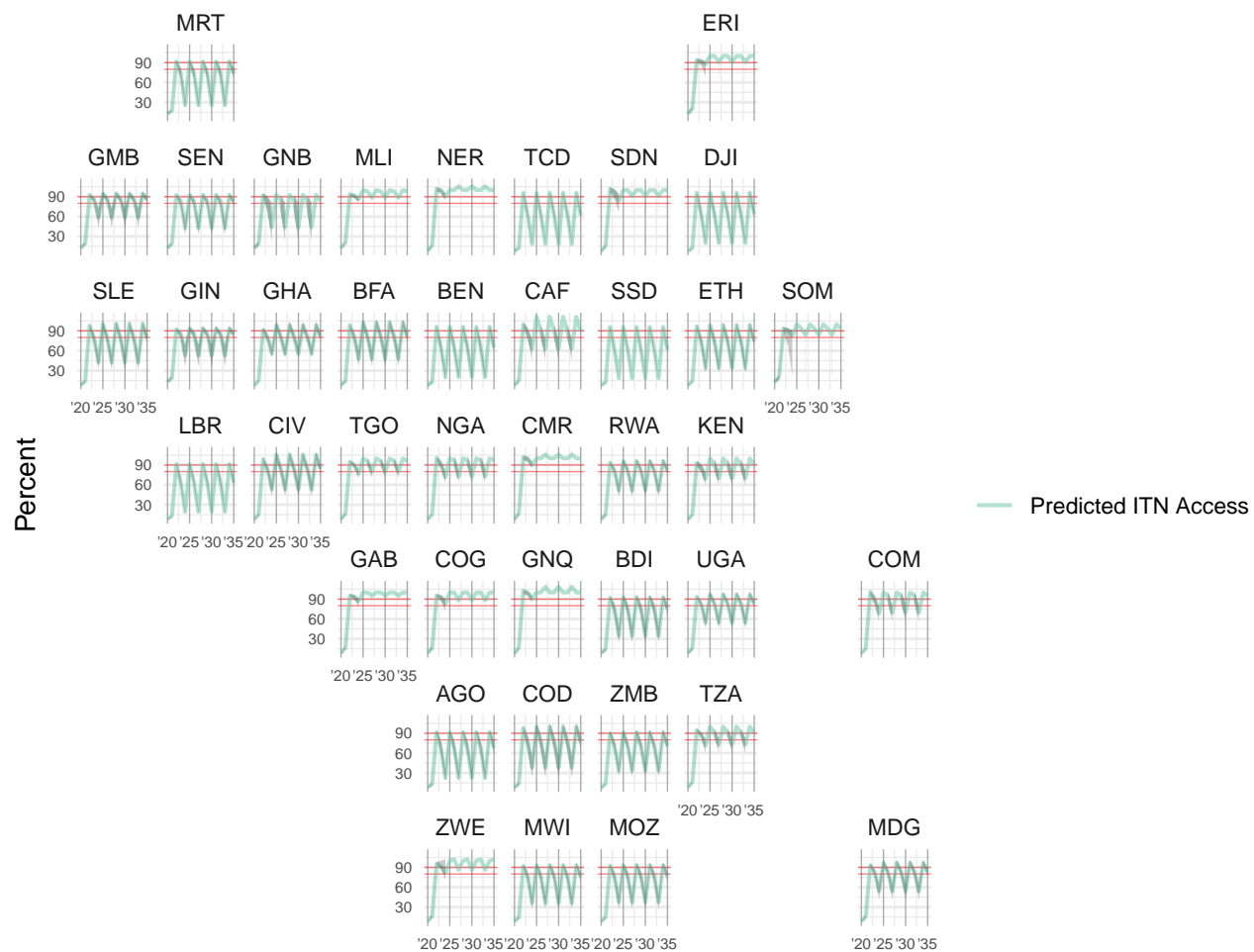
### 3-year mass campaigns with ANC/EPI, at population / 1.2



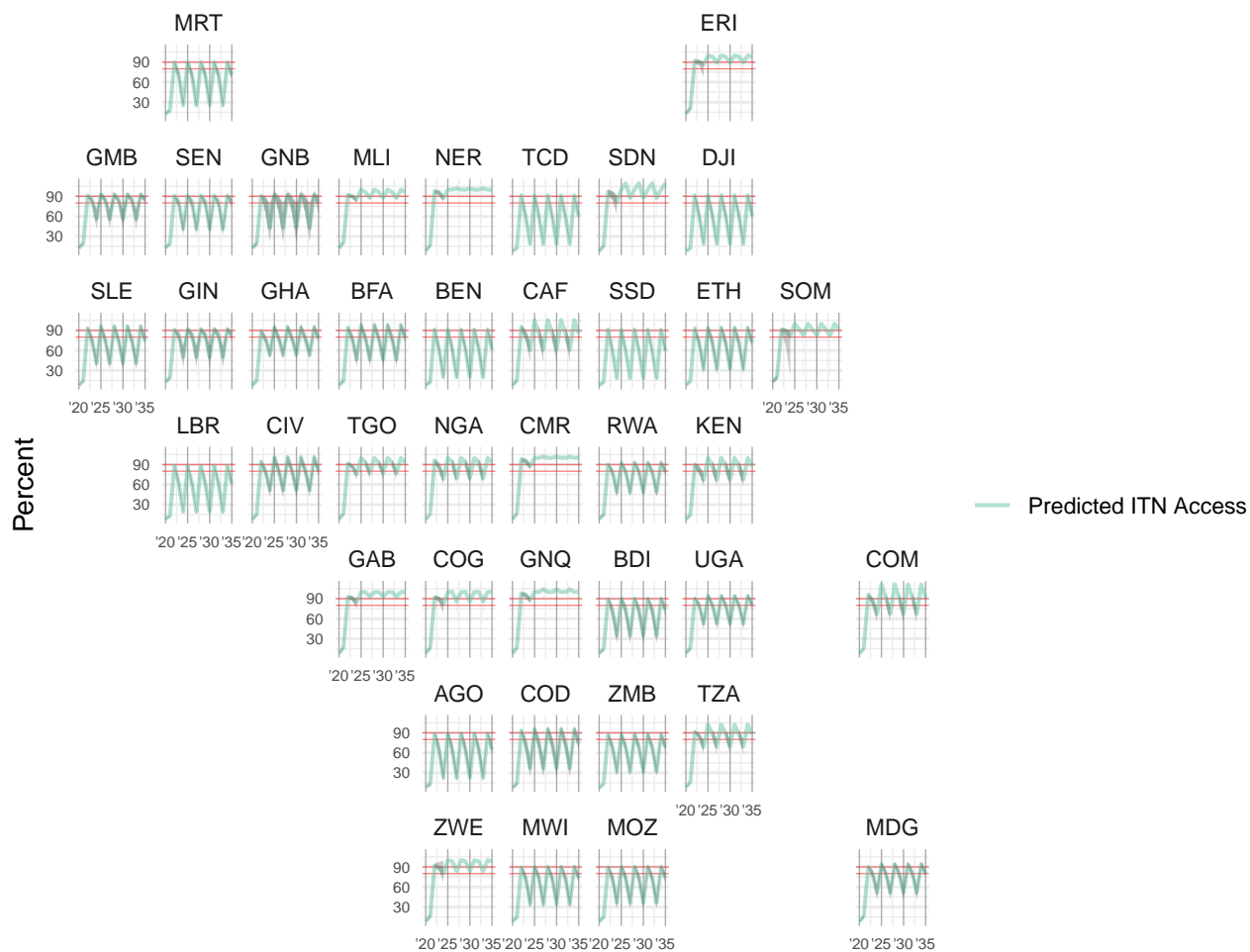
### 3-year mass campaigns with ANC/EPI, at population / 1.3



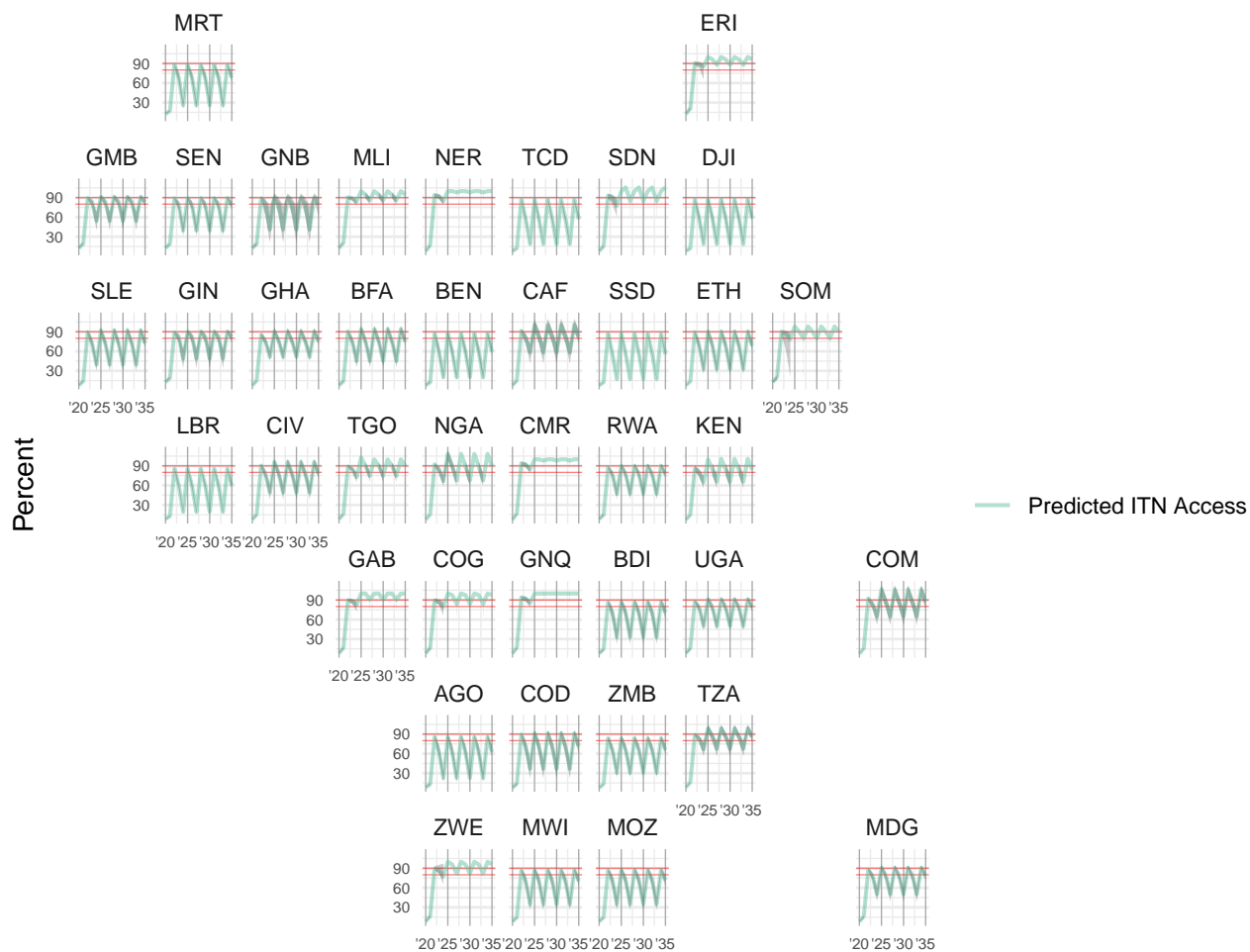
### 3-year mass campaigns with ANC/EPI, at population / 1.4



### 3-year mass campaigns with ANC/EPI, at population / 1.5

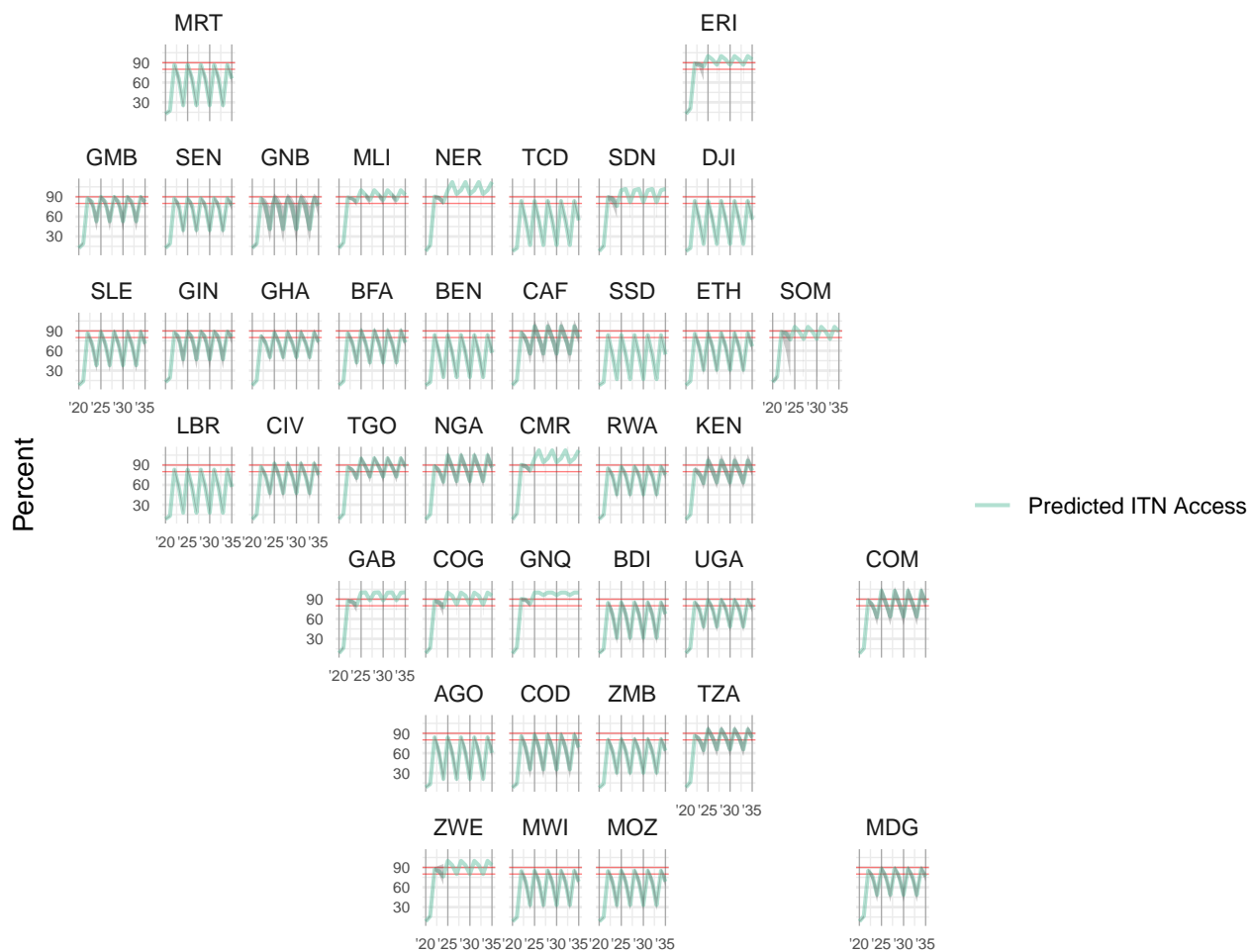


### 3-year mass campaigns with ANC/EPI, at population / 1.6

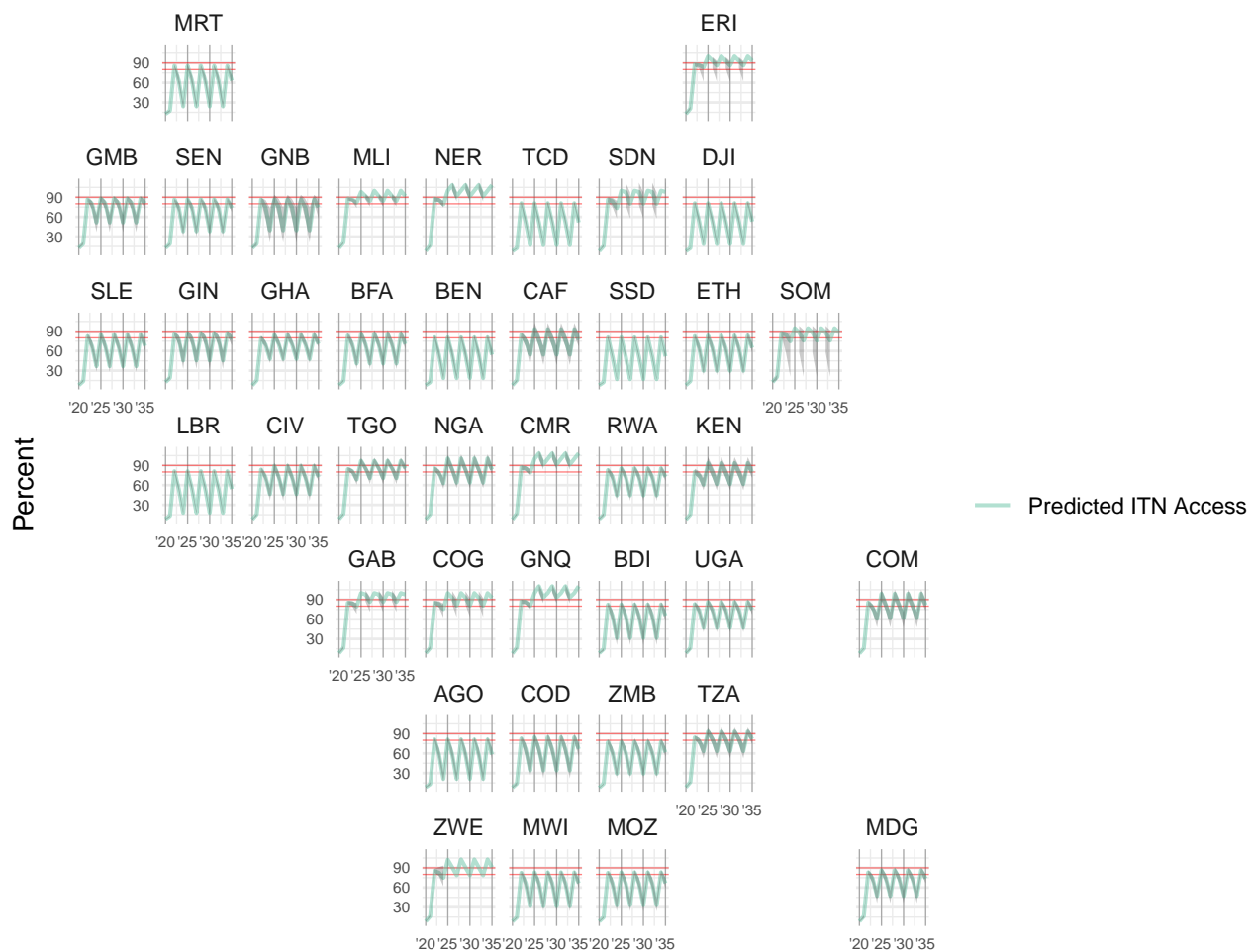




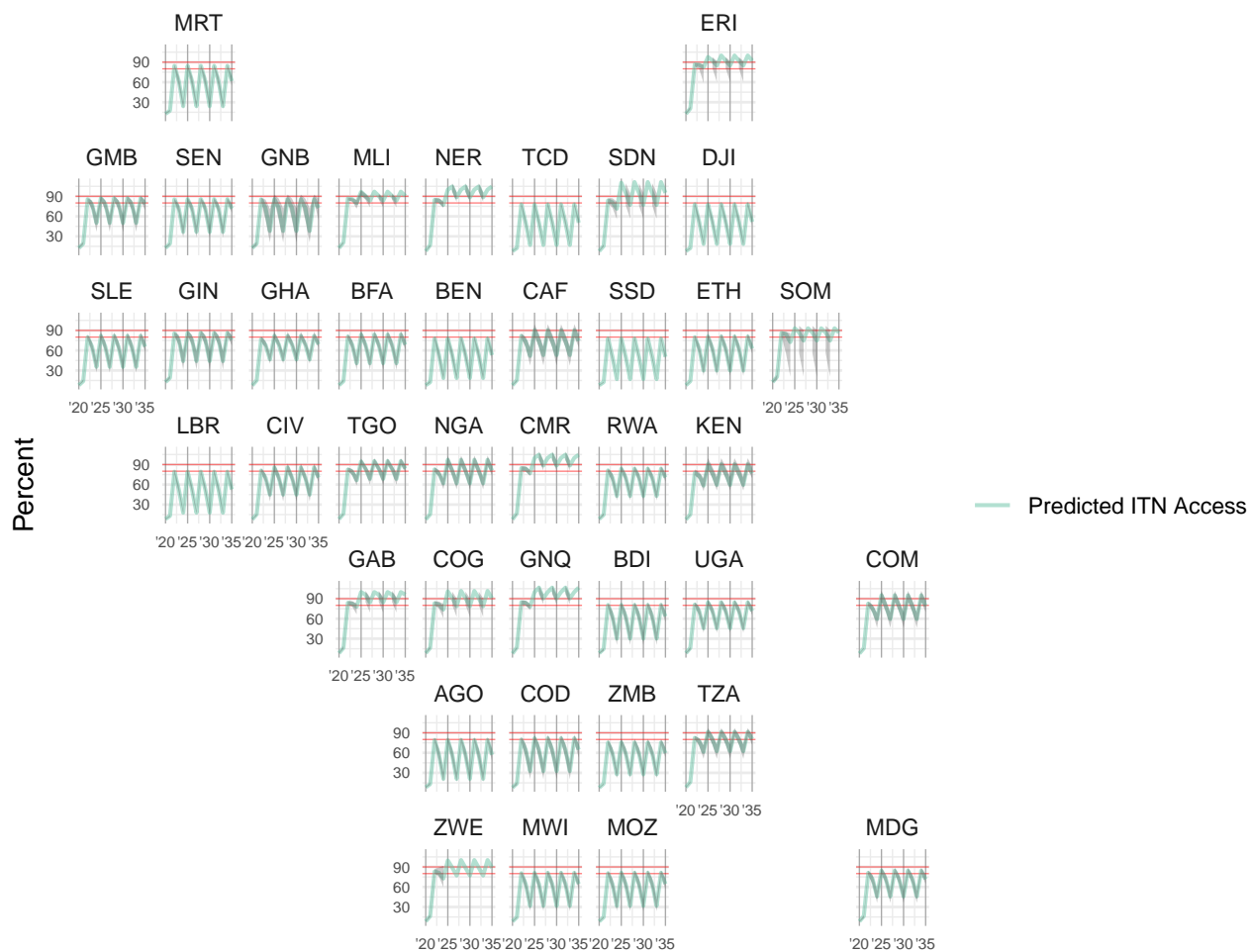
### 3-year mass campaigns with ANC/EPI, at population / 1.7



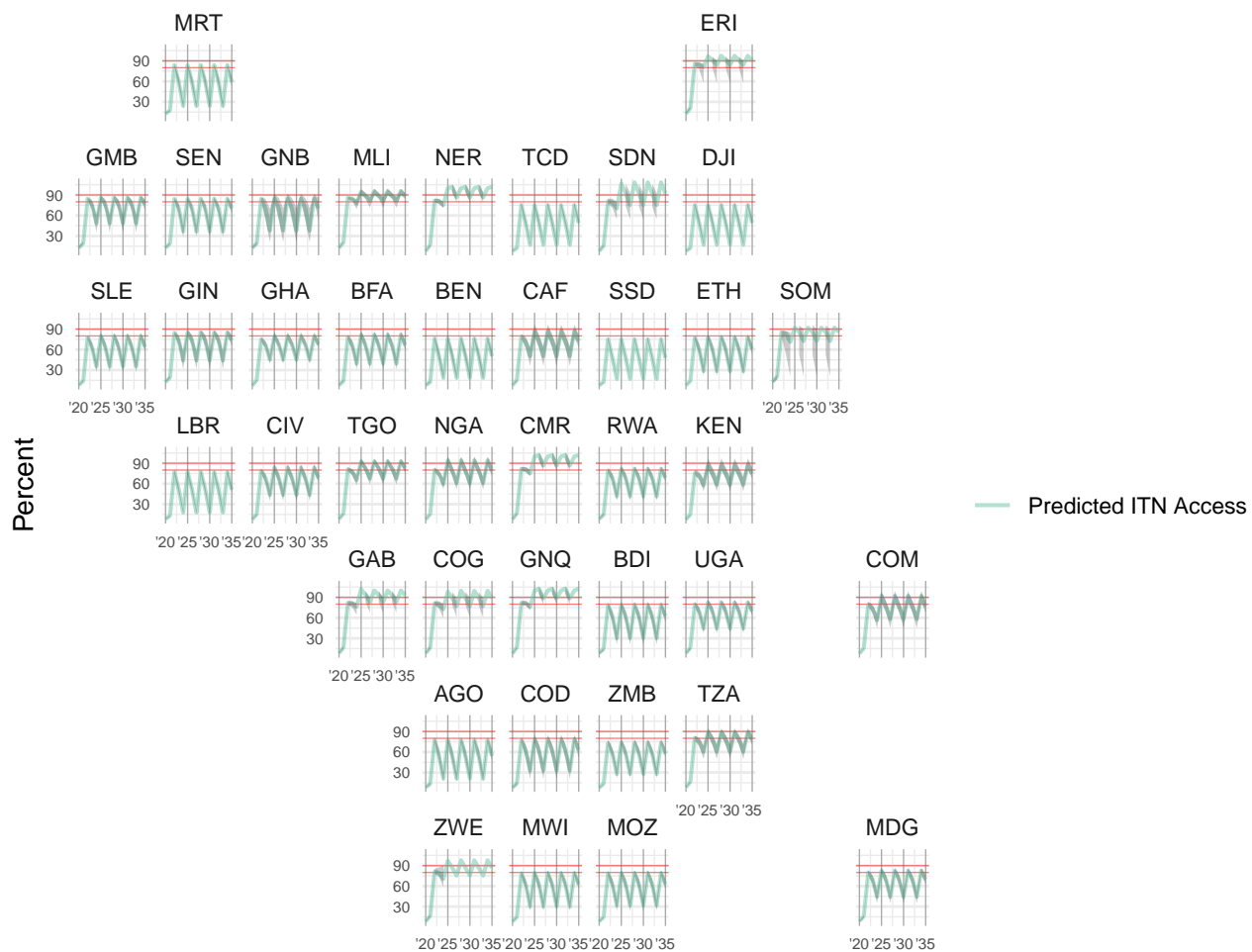
### 3-year mass campaigns with ANC/EPI, at population / 1.8



### 3-year mass campaigns with ANC/EPI, at population / 1.9

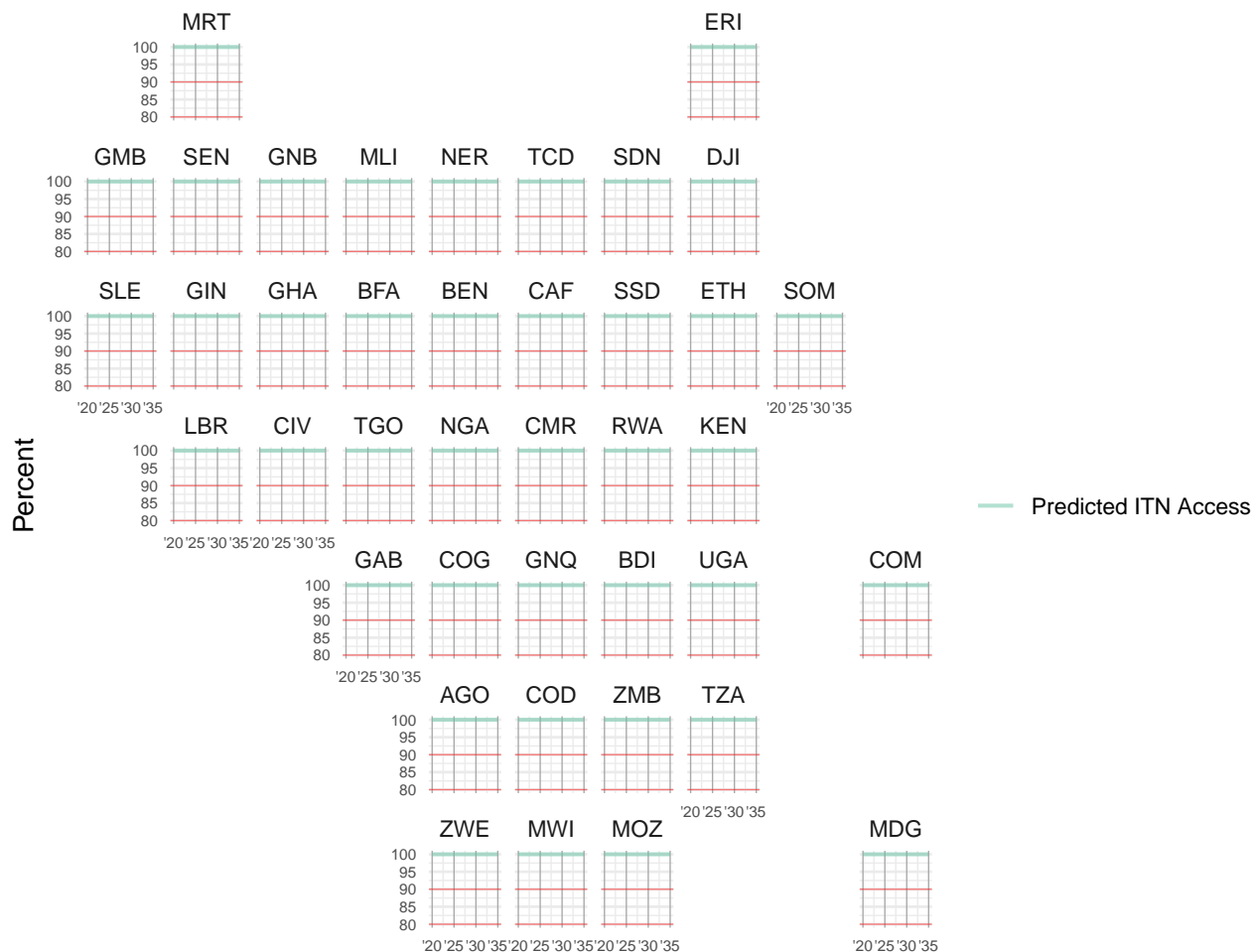


### 3-year mass campaigns with ANC/EPI, at population / 2

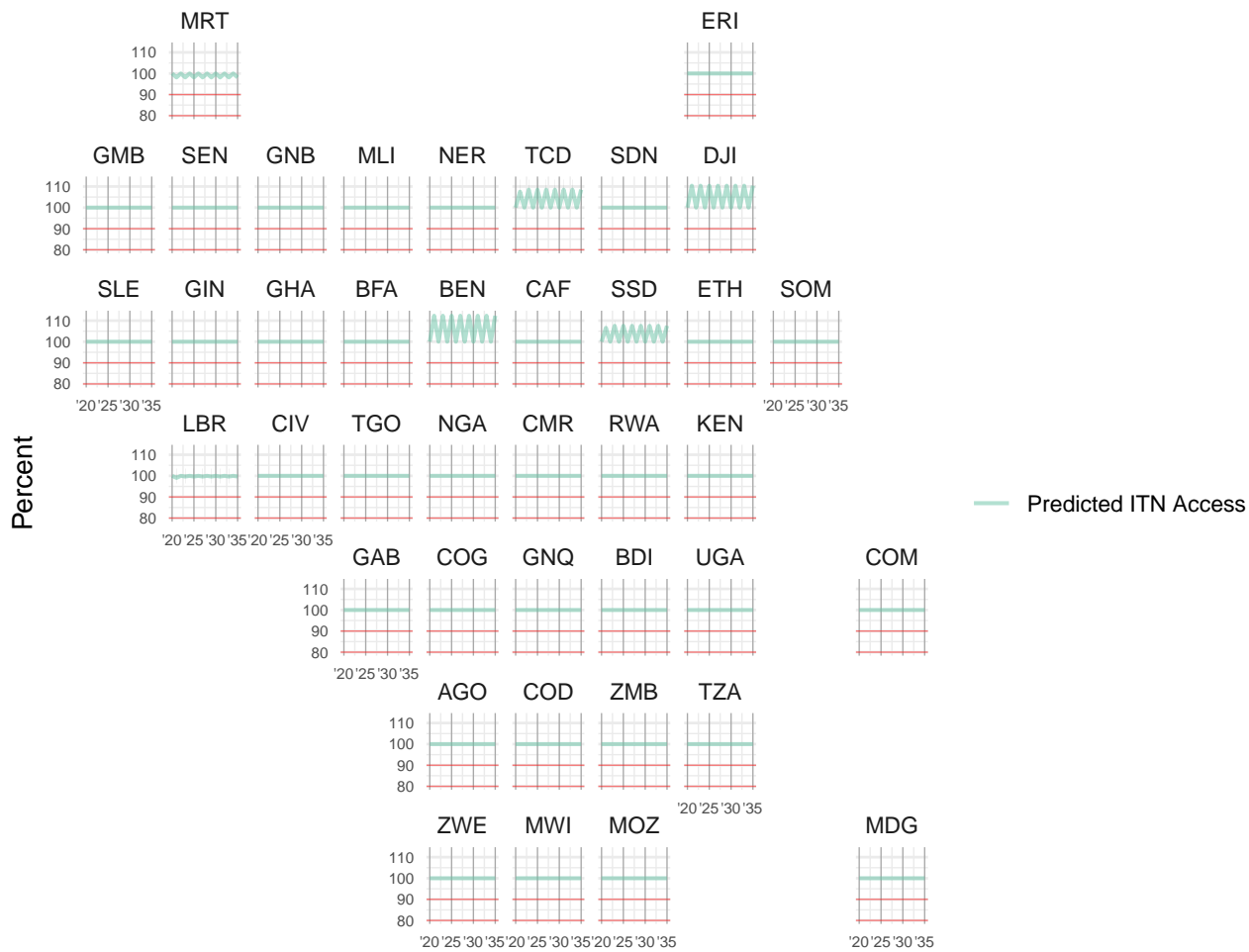


## 5 Scenario 5 - Two-year mass campaigns with ANC/EPI distribution at 6%, varying campaign quantifier

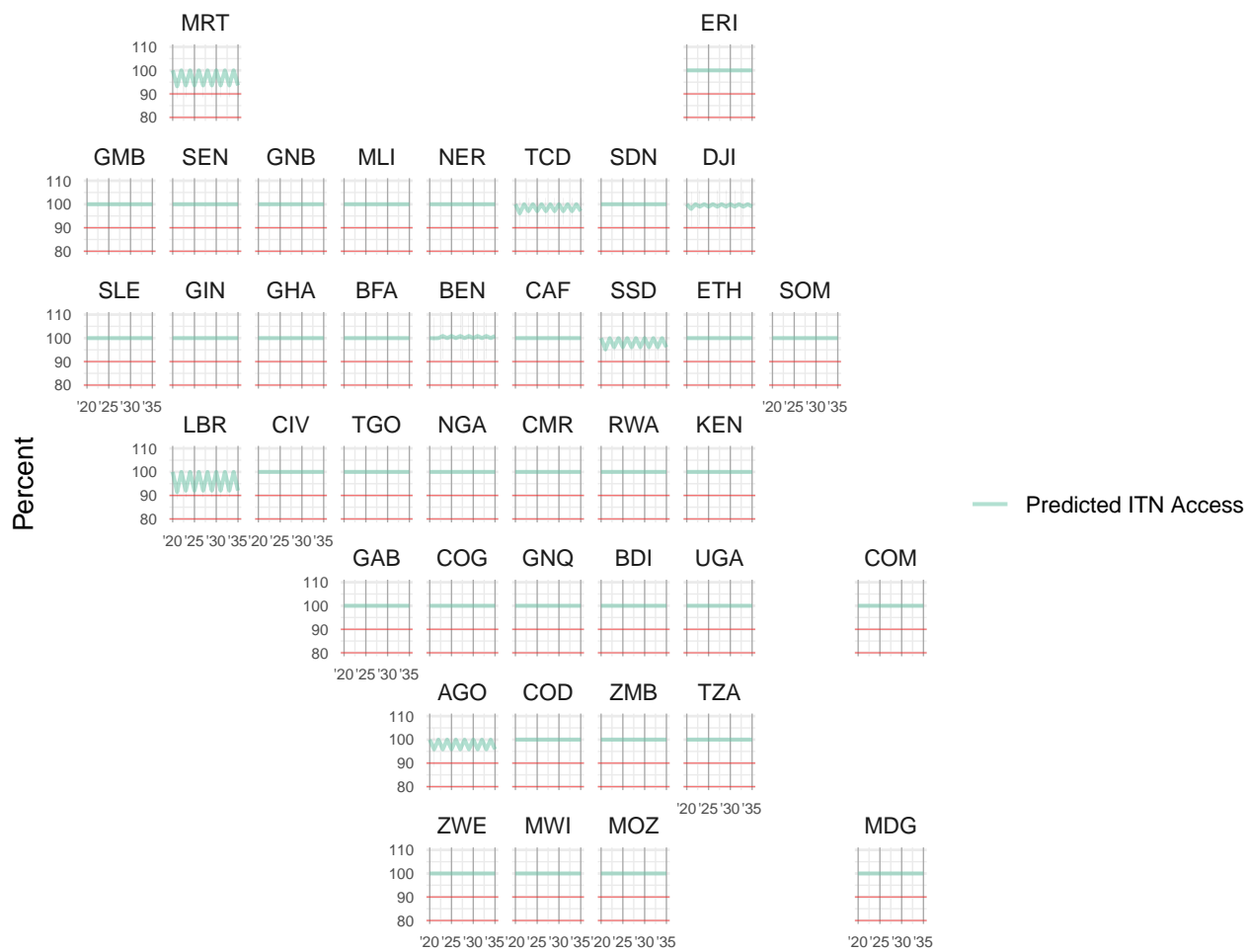
2-year mass campaigns with ANC/EPI,  
at population / 0.5



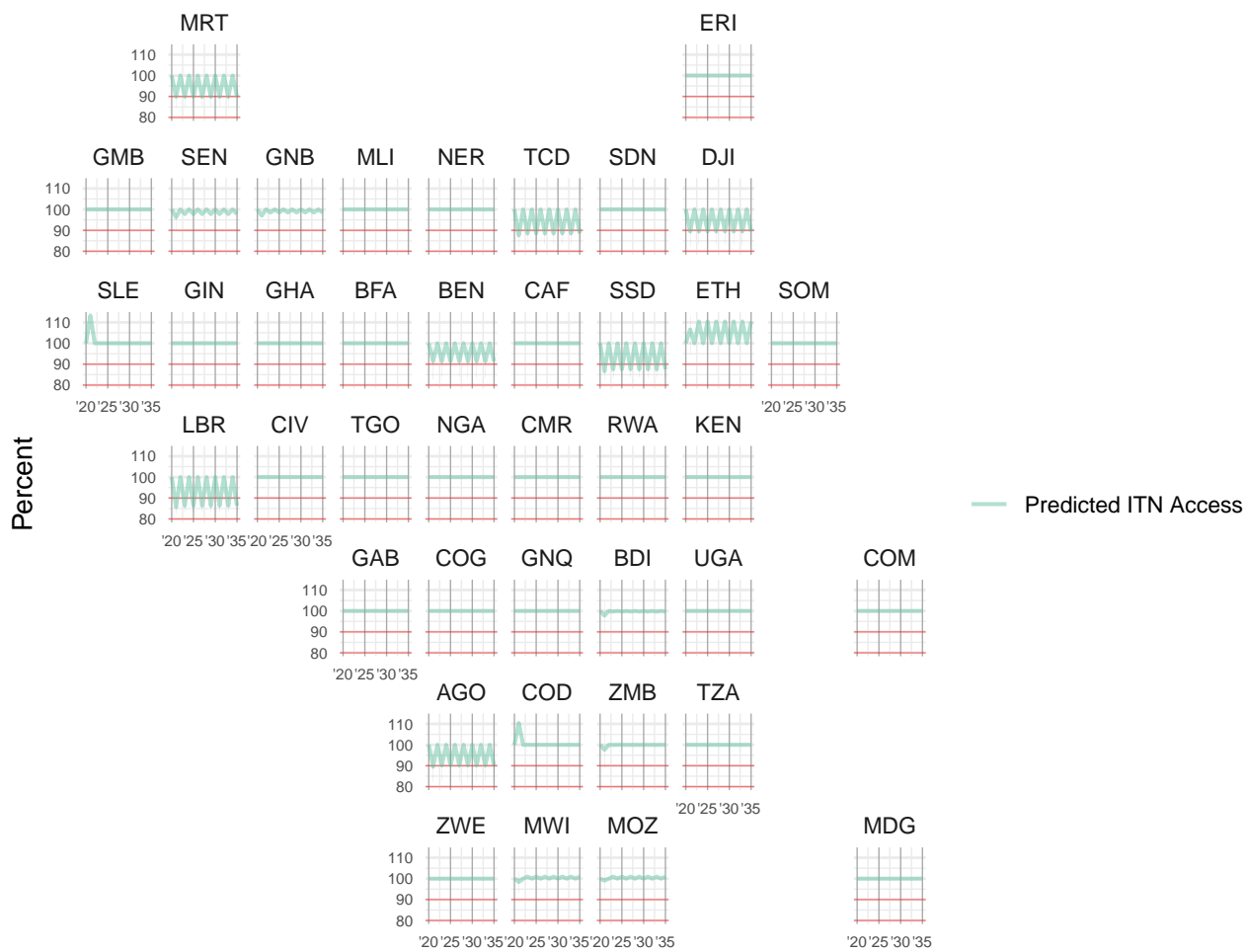
2-year mass campaigns with ANC/EPI,  
at population / 0.6



2-year mass campaigns with ANC/EPI,  
at population / 0.7

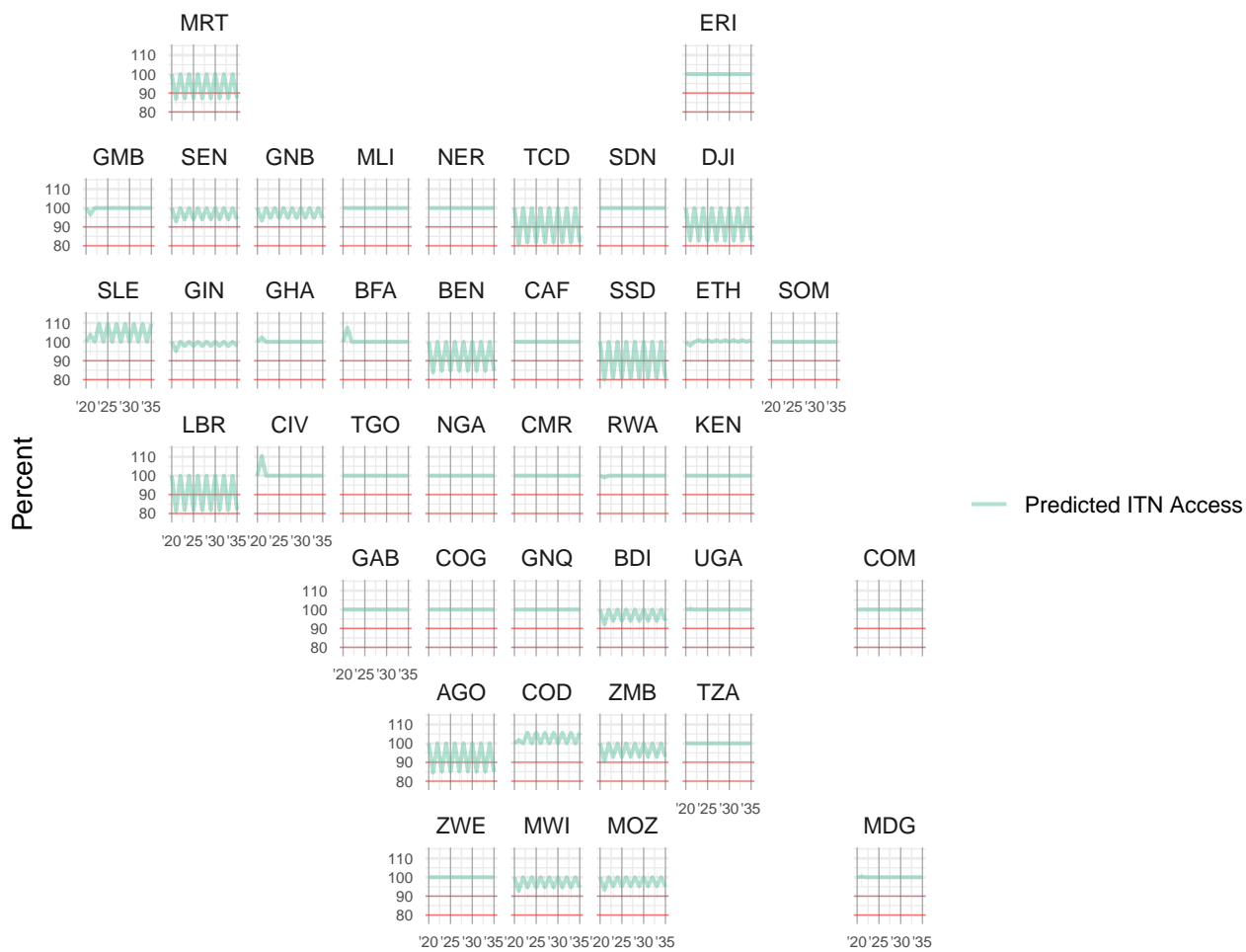


2-year mass campaigns with ANC/EPI,  
at population / 0.8

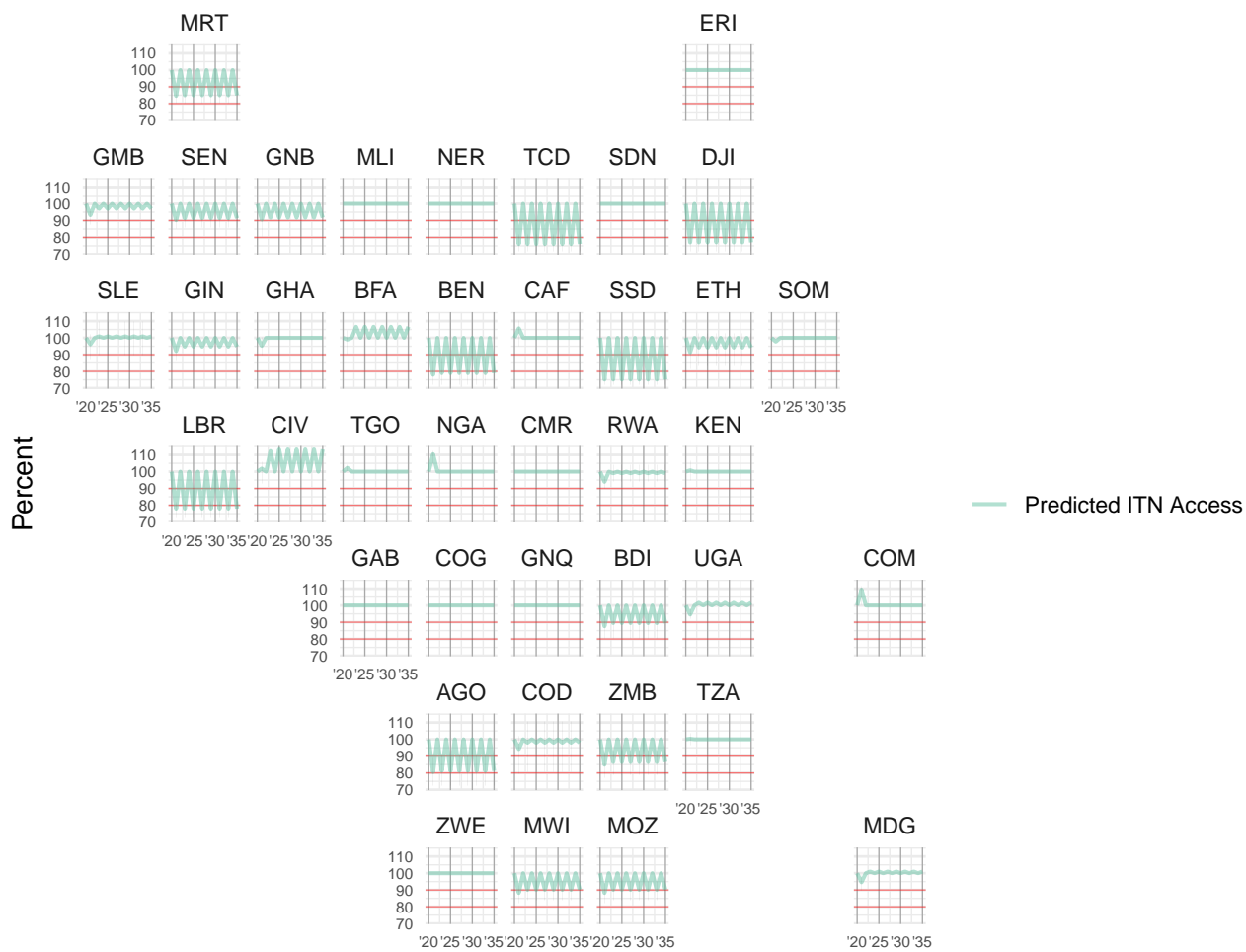




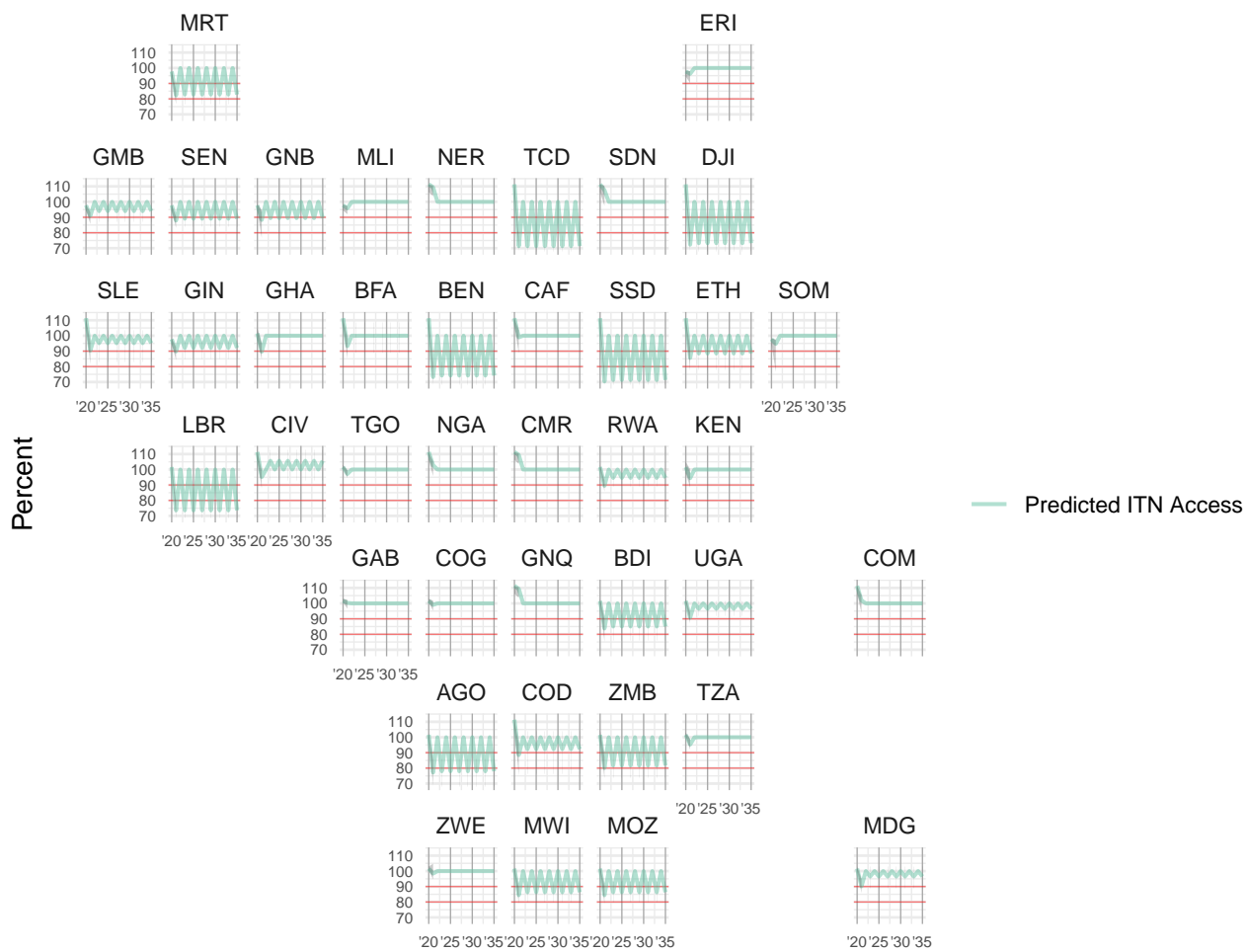
2-year mass campaigns with ANC/EPI,  
at population / 0.9



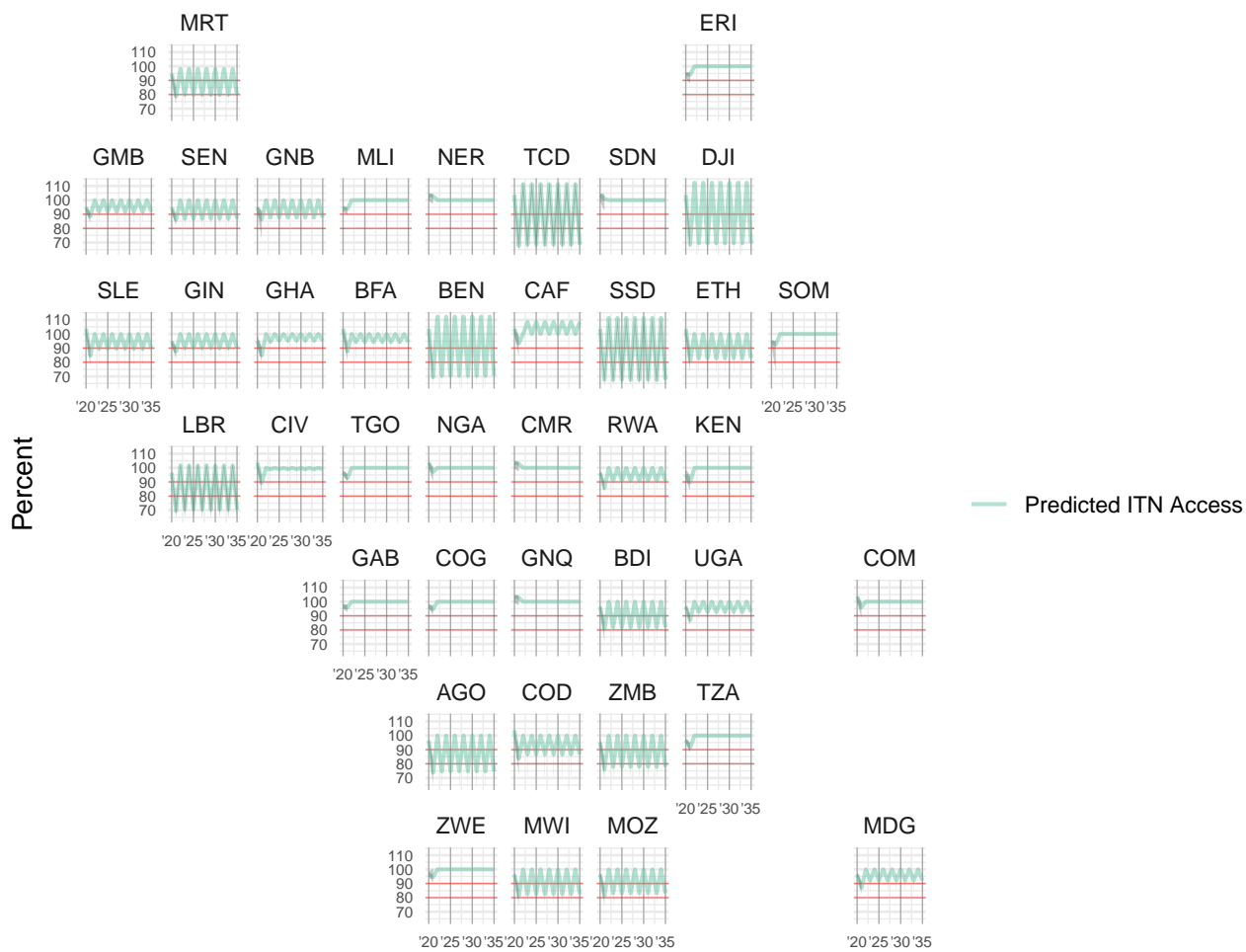
2-year mass campaigns with ANC/EPI,  
at population / 1



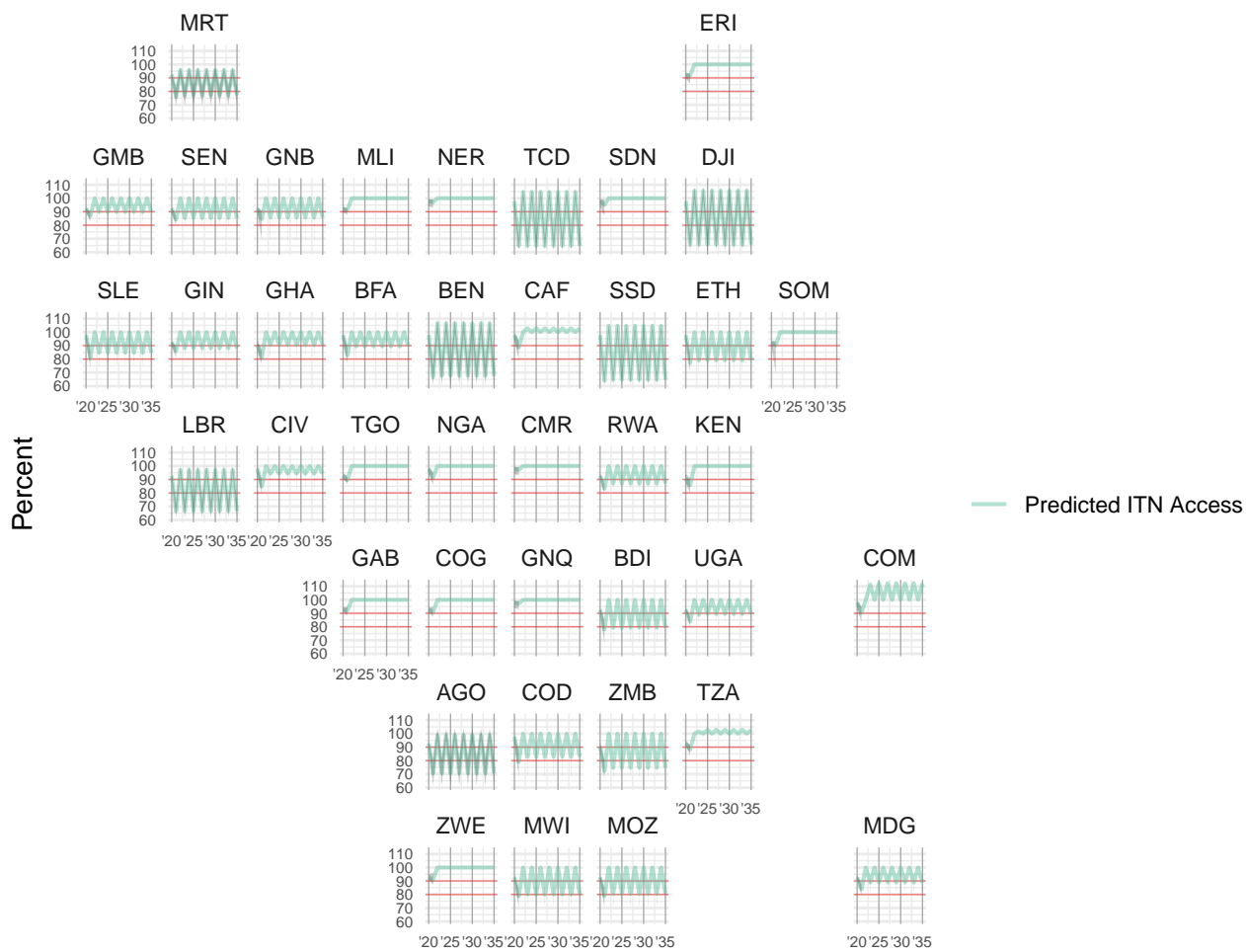
2-year mass campaigns with ANC/EPI,  
at population / 1.1



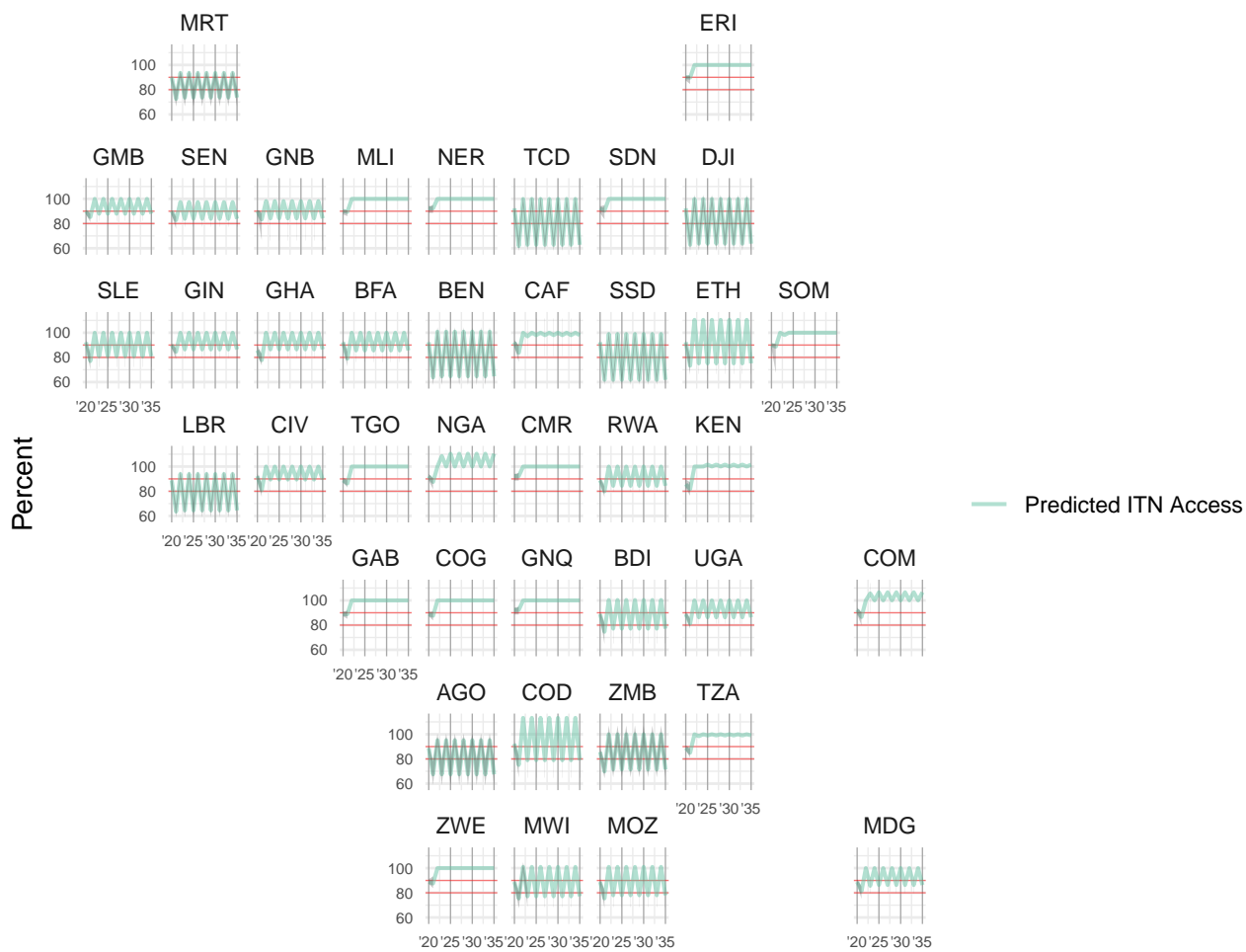
2-year mass campaigns with ANC/EPI,  
at population / 1.2



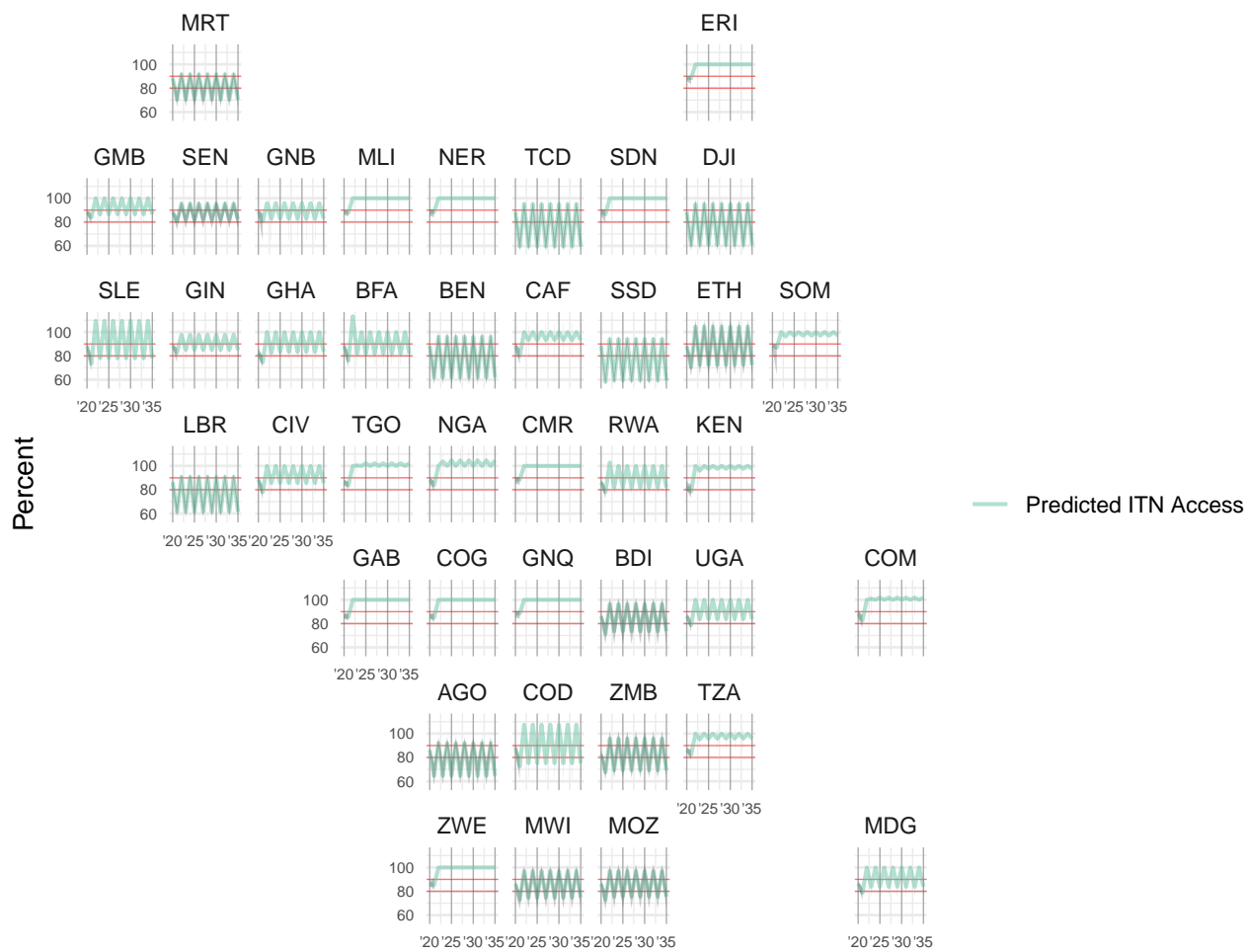
2-year mass campaigns with ANC/EPI,  
at population / 1.3



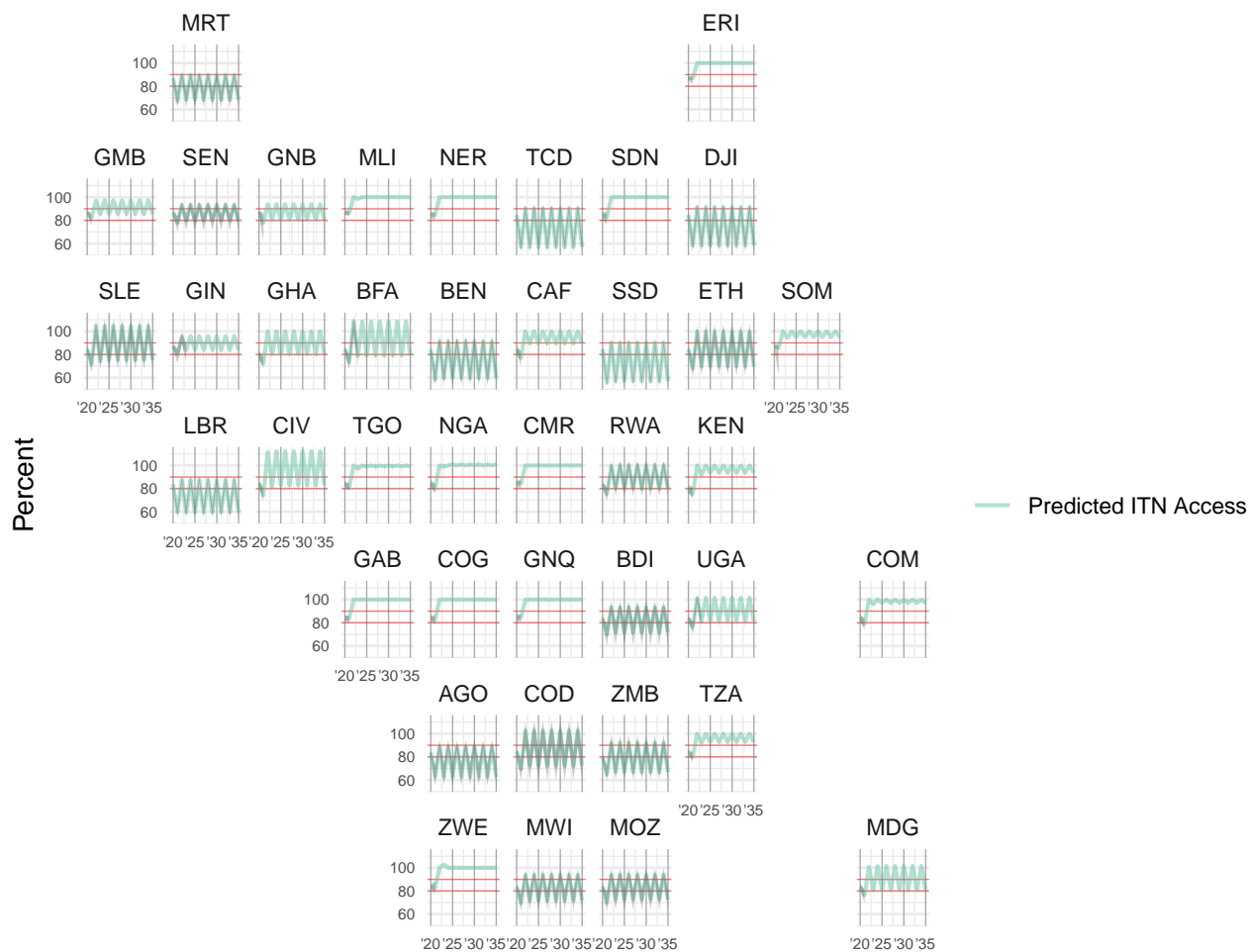
2-year mass campaigns with ANC/EPI,  
at population / 1.4



2-year mass campaigns with ANC/EPI,  
at population / 1.5

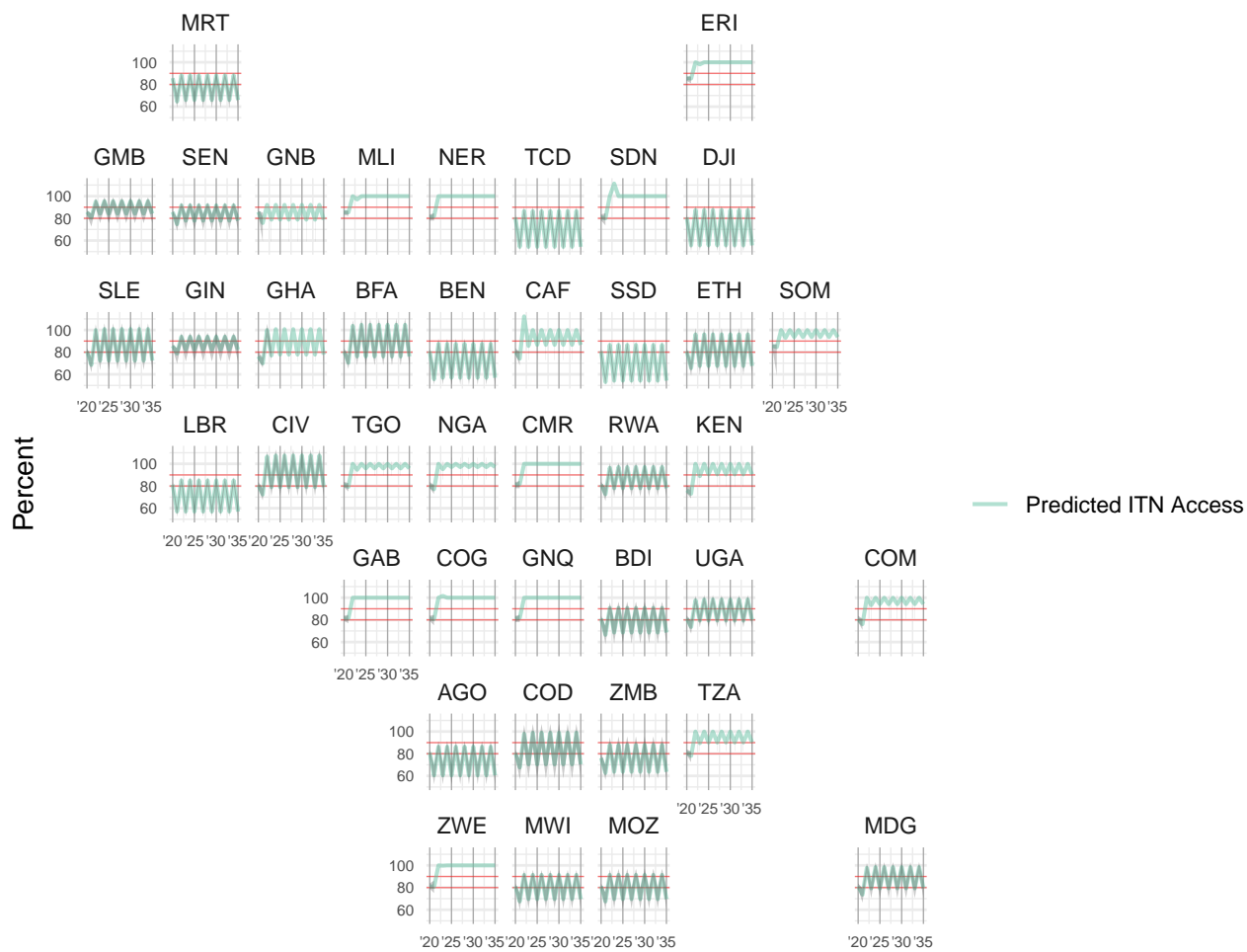


2-year mass campaigns with ANC/EPI,  
at population / 1.6

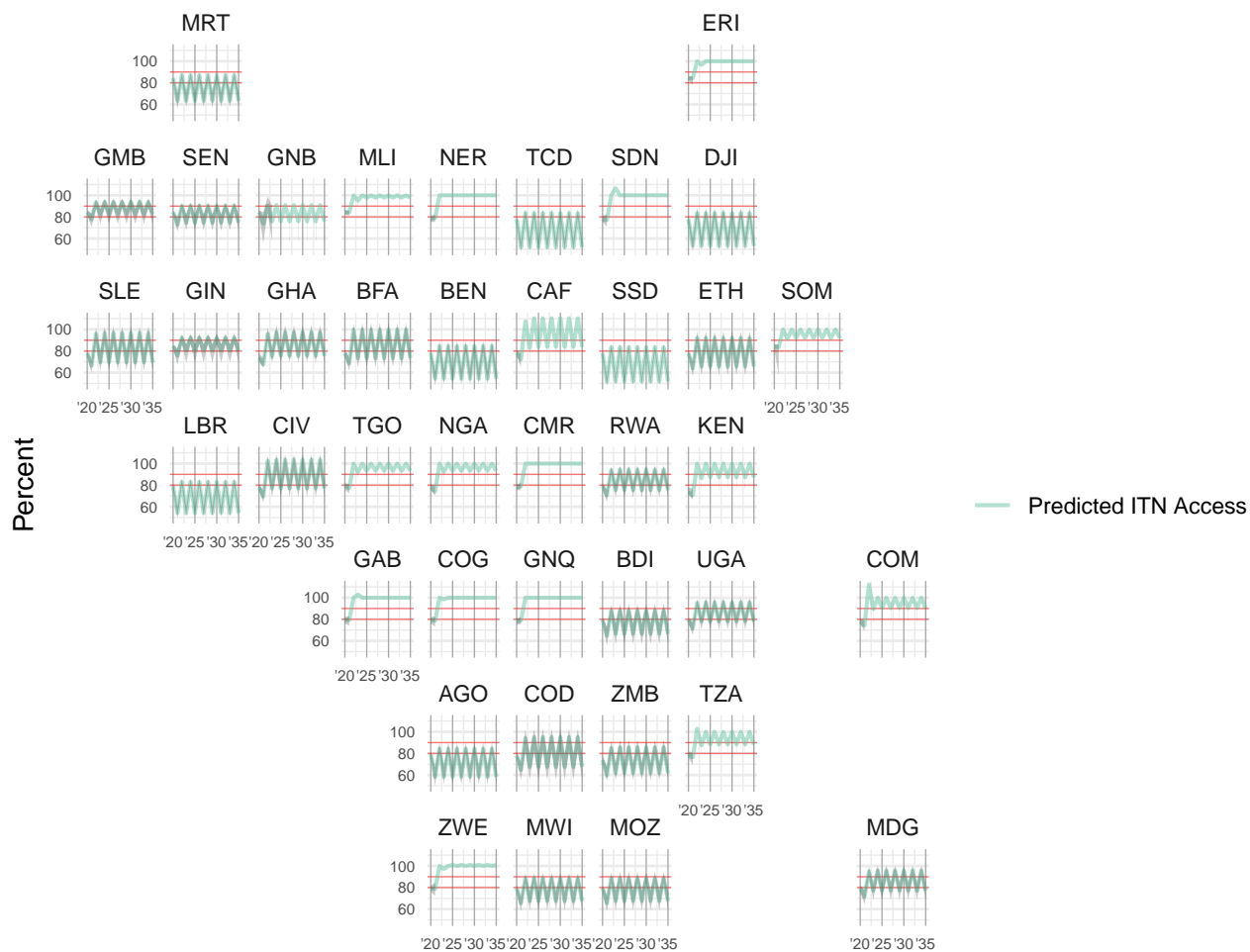




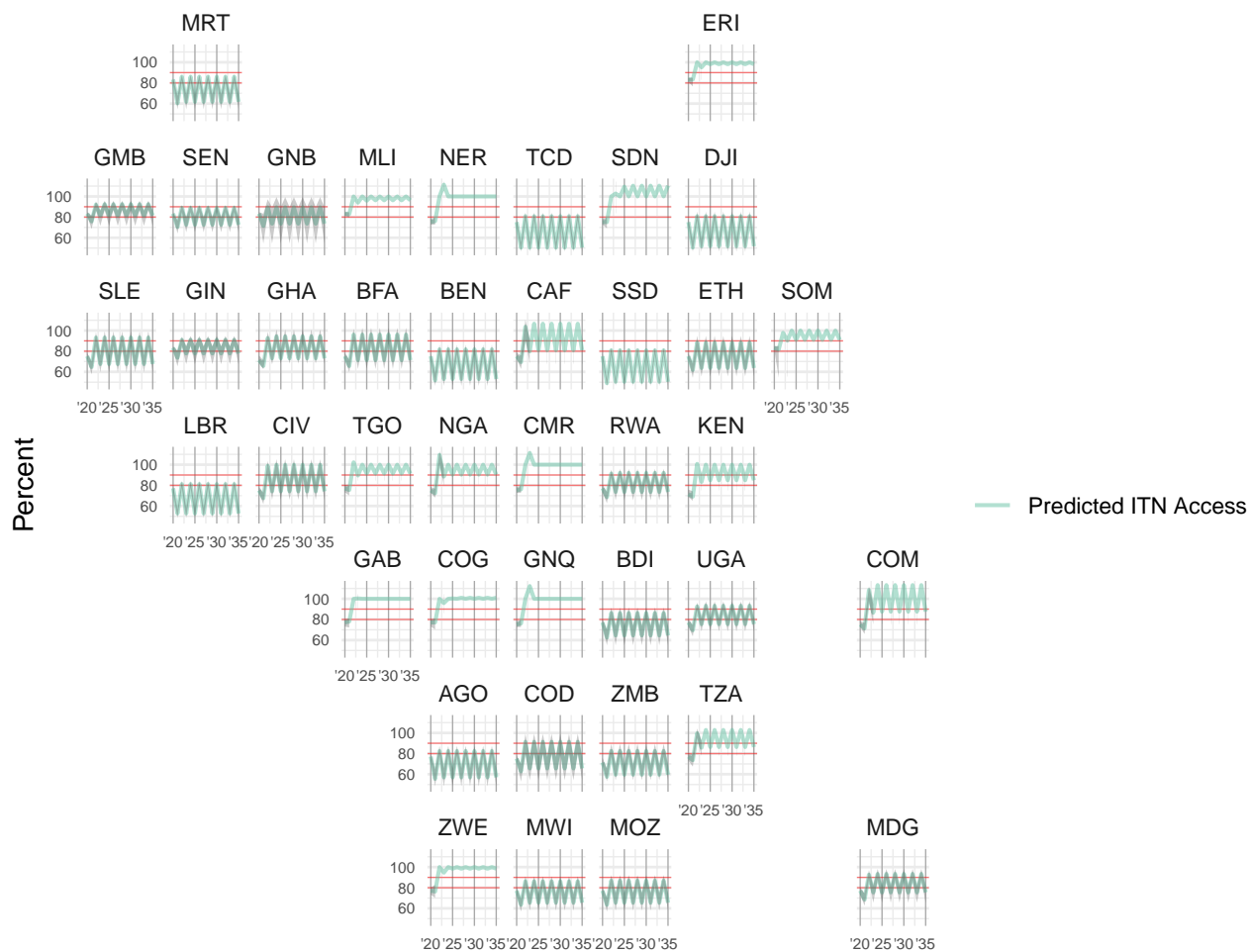
2-year mass campaigns with ANC/EPI,  
at population / 1.7



2-year mass campaigns with ANC/EPI,  
at population / 1.8



## 2-year mass campaigns with ANC/EPI, at population / 1.9



## 2-year mass campaigns with ANC/EPI, at population / 2

