

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

Hannah Koenker

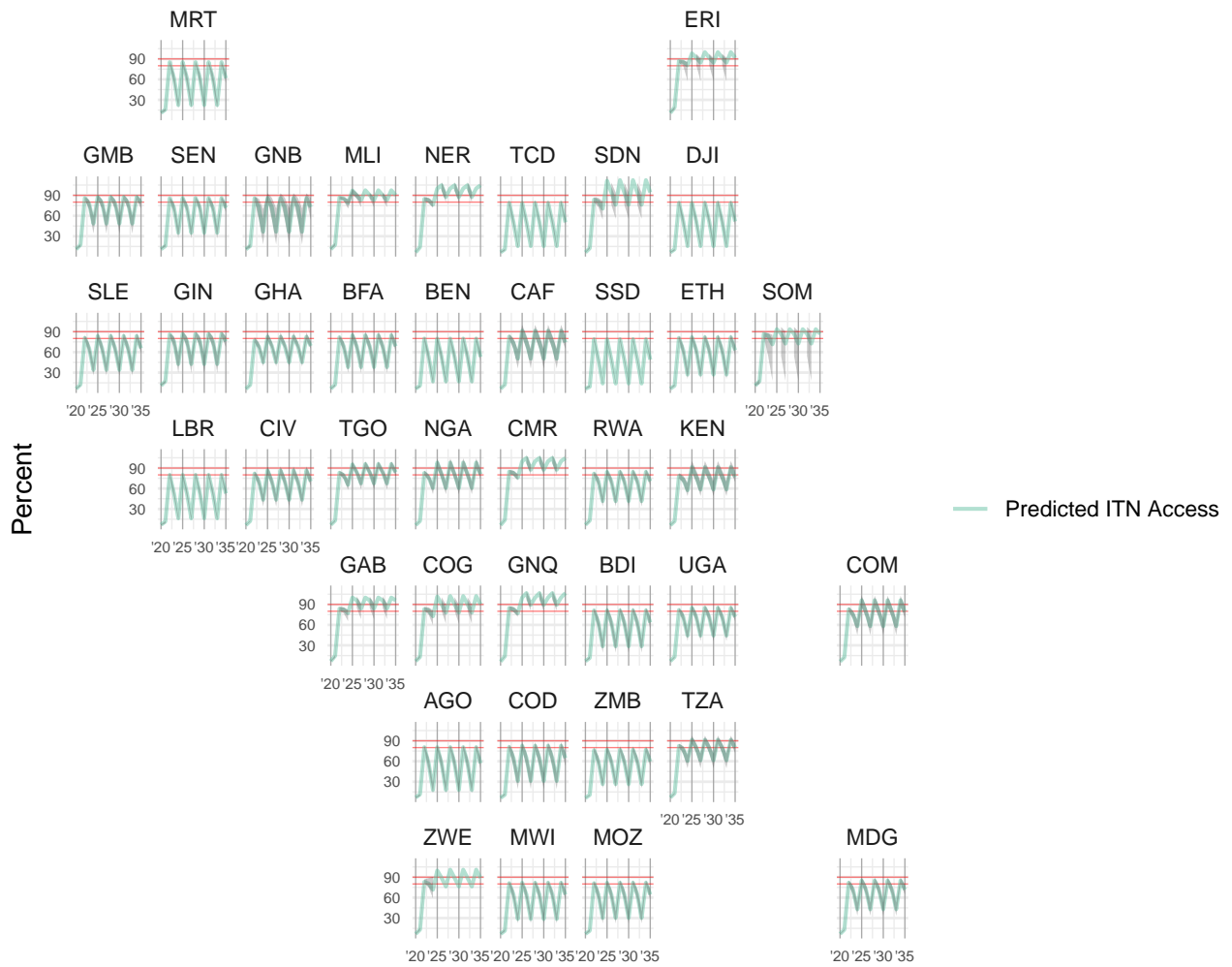
05 June, 2023

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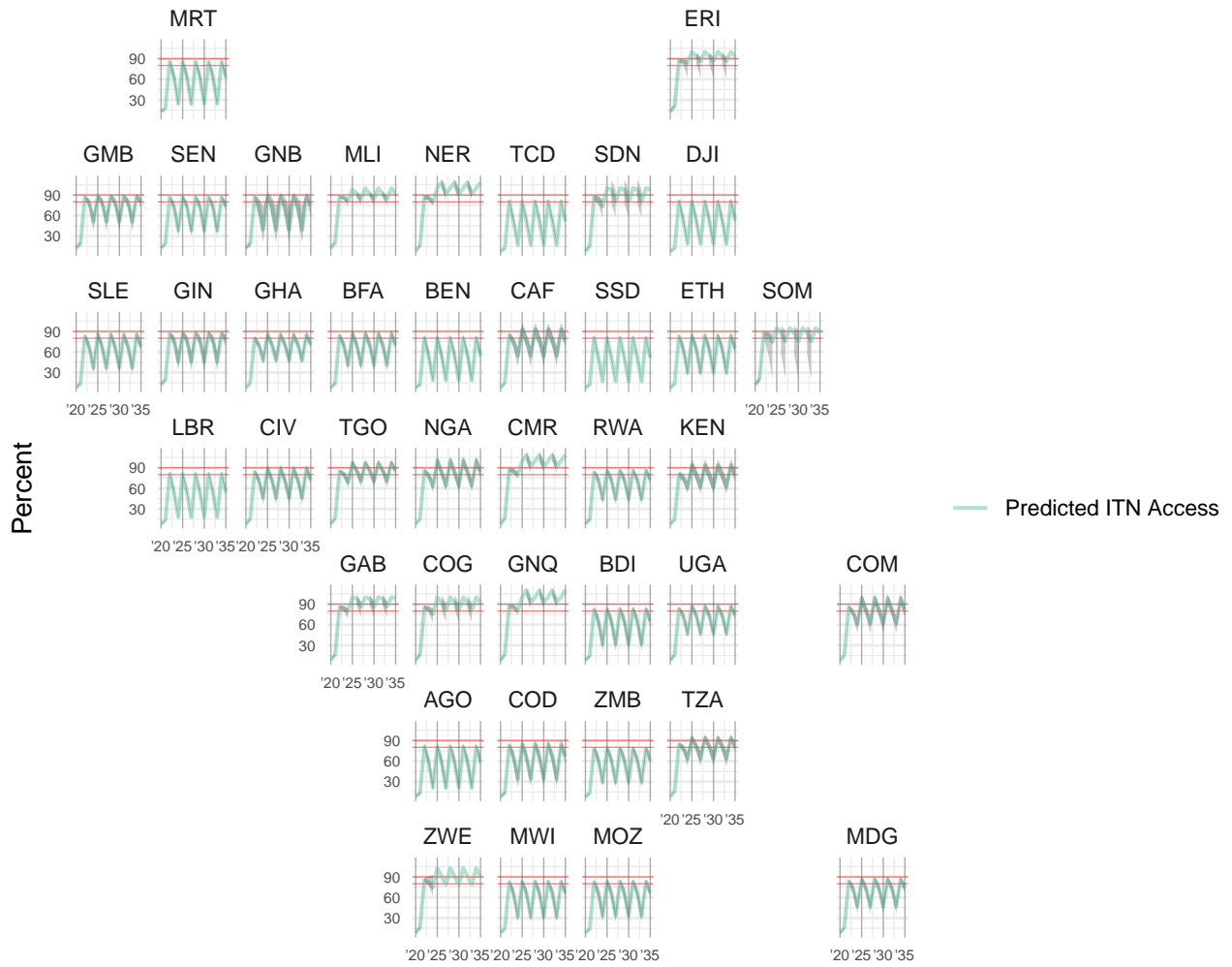
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1 Scenario 1 - Mass campaigns every three years with varying routine ANC/EPI distribution

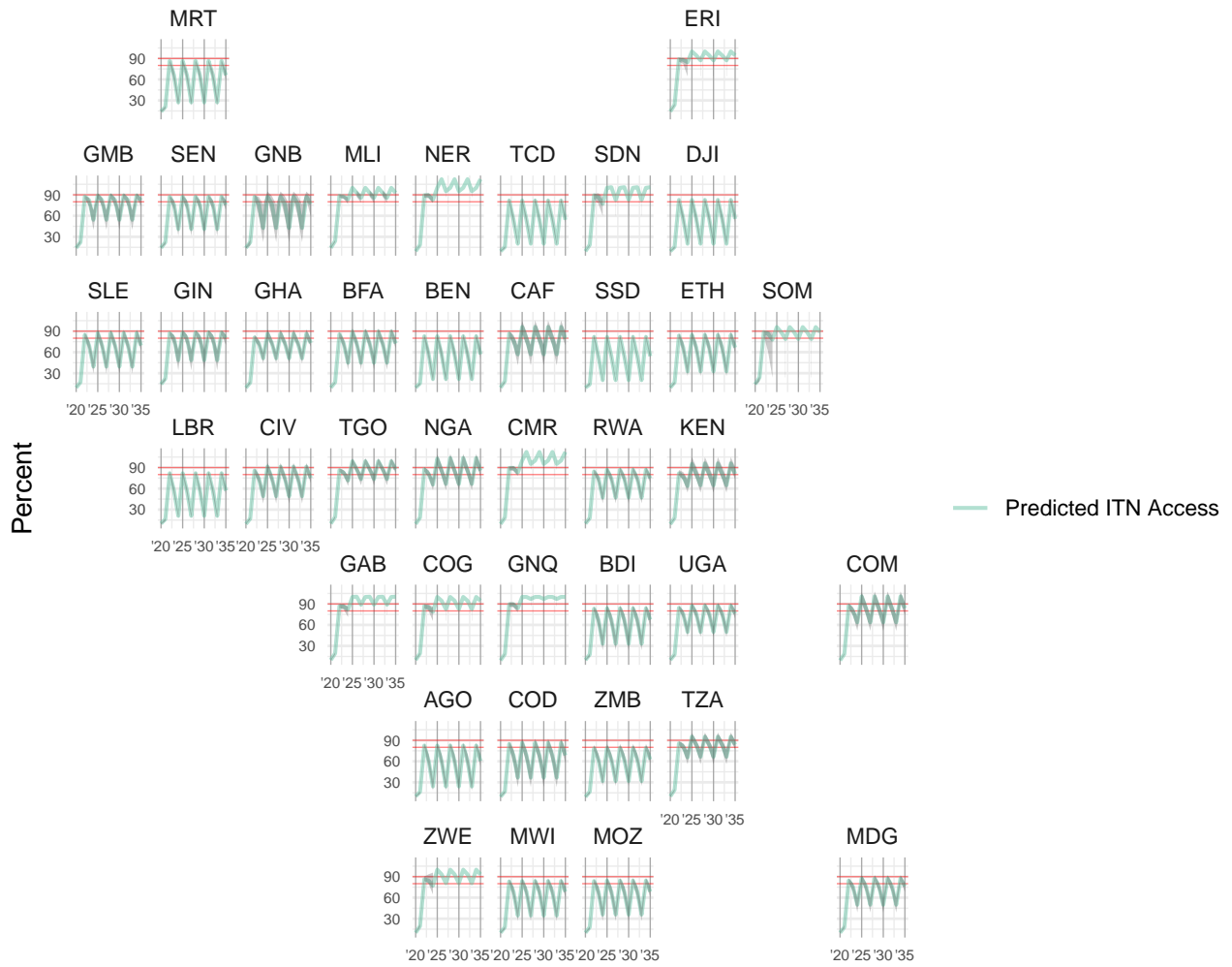
3-year mass campaigns with ANC/EPI at 5% of the population



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

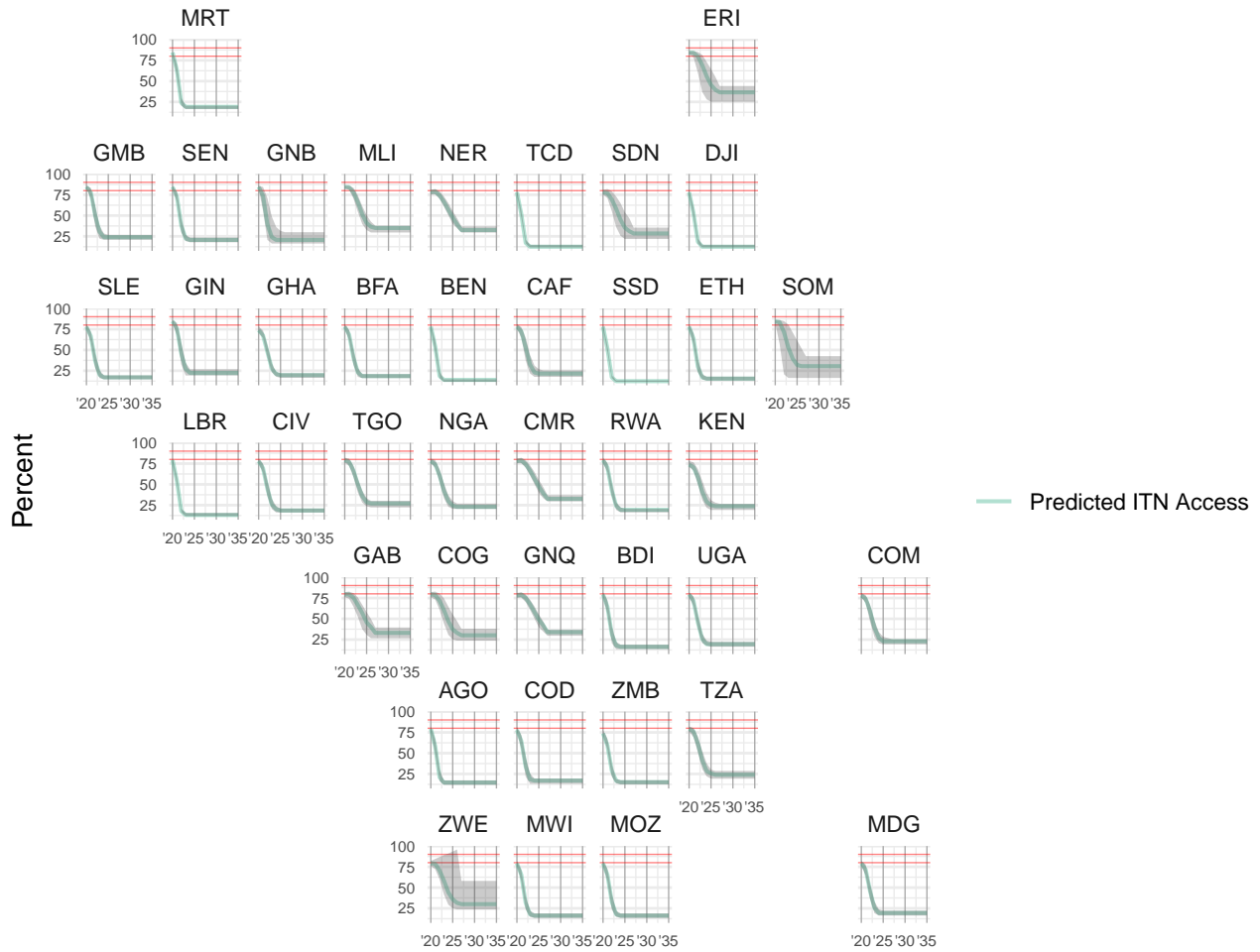


3-year mass campaigns with ANC/EPI at 7 % of the population

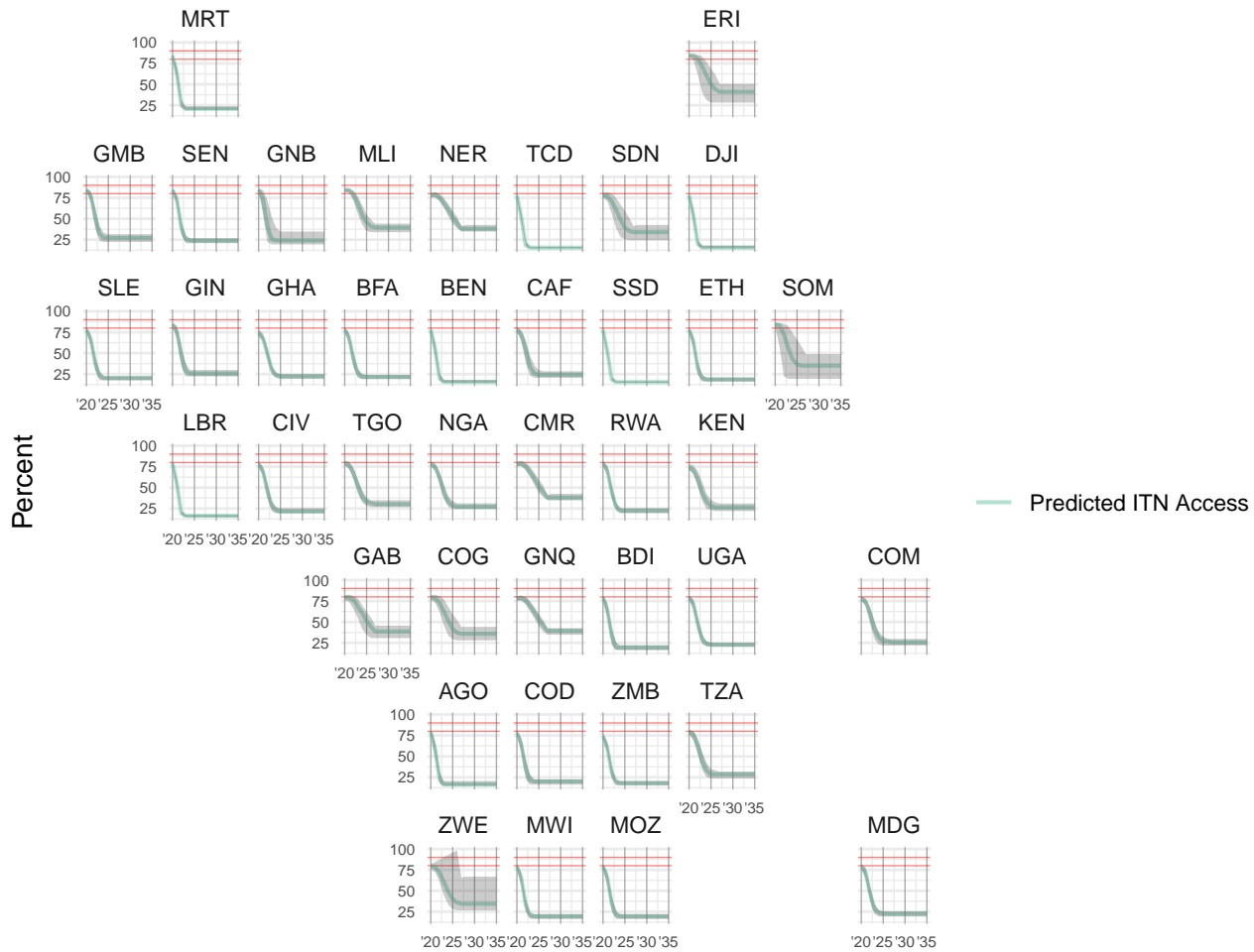


2 Scenario 2 - ANC/EPI distribution at 6%, varying annual school/community distribution

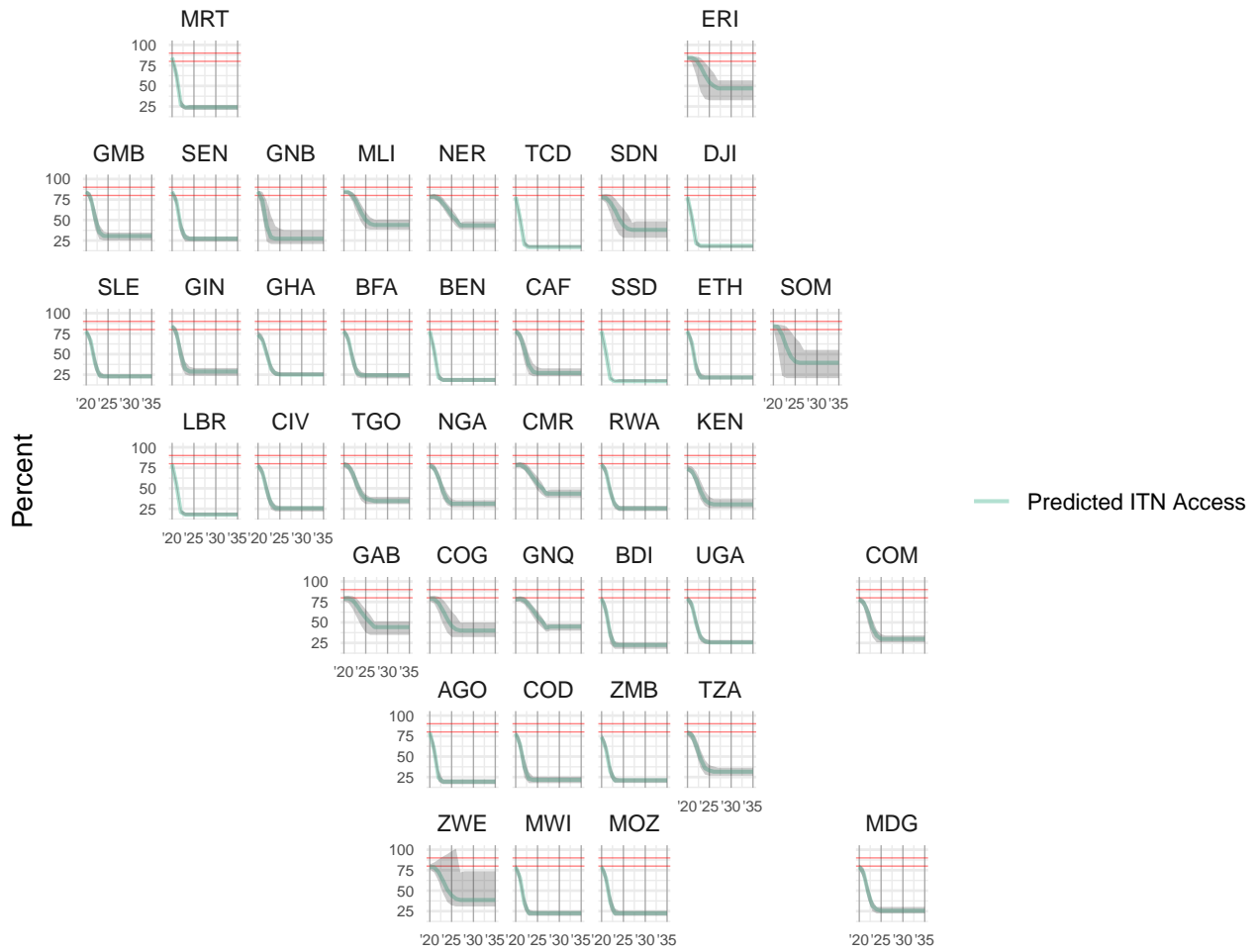
ANC/EPI at 6% and annual school/community distribution at 0 % of the population



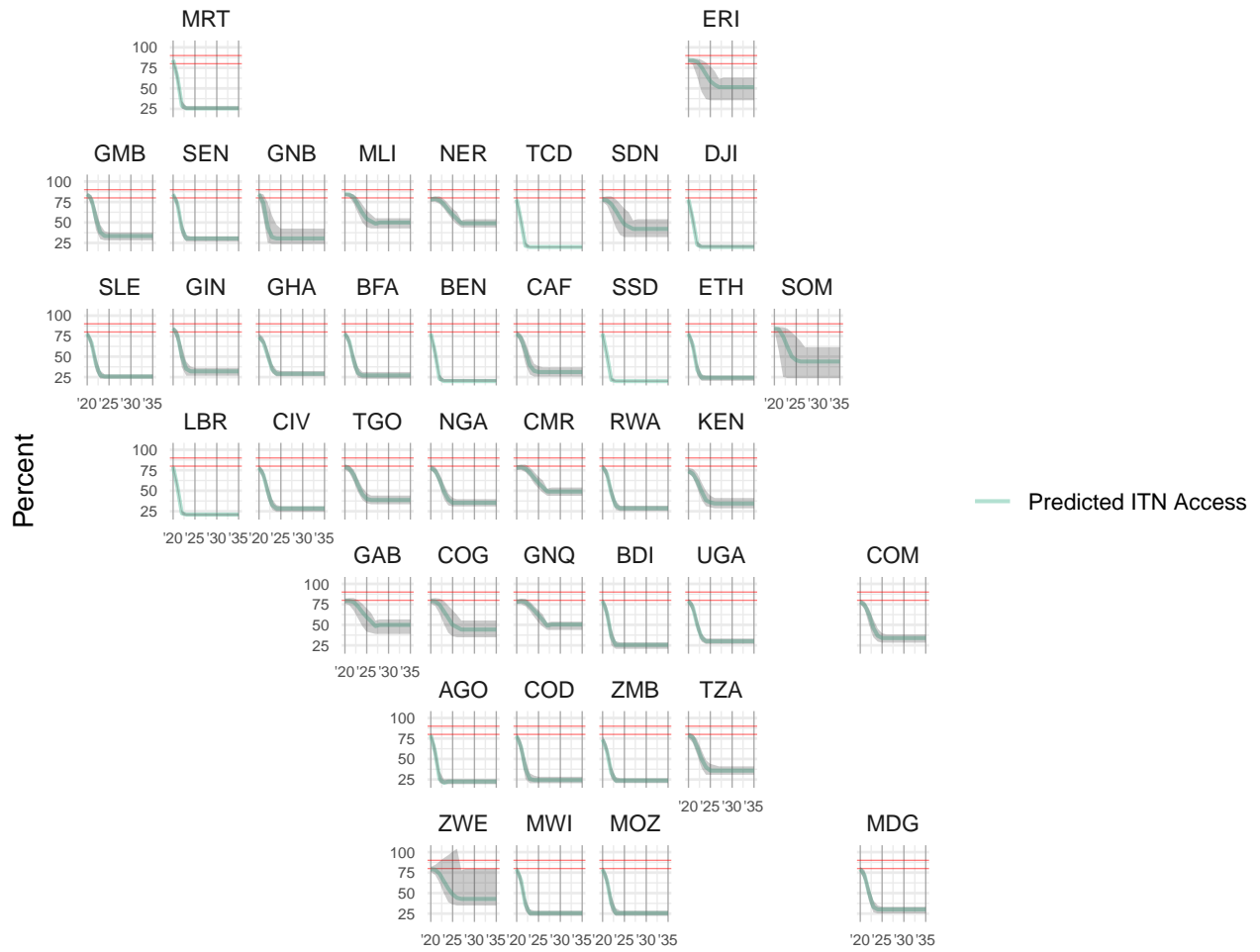
ANC/EPI at 6% and annual school/community distribution at 1 % of the population



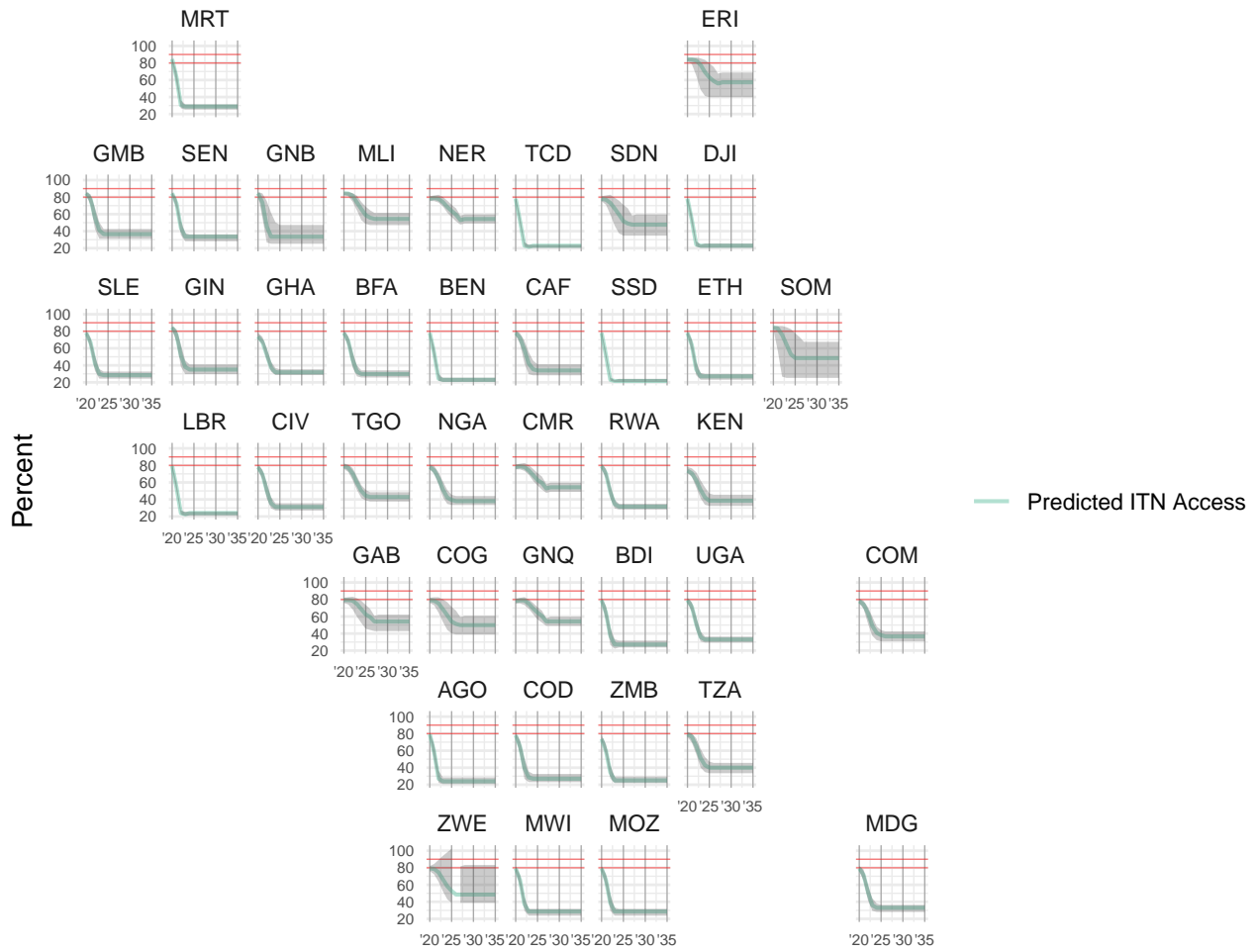
ANC/EPI at 6% and annual school/community distribution at 2 % of the population



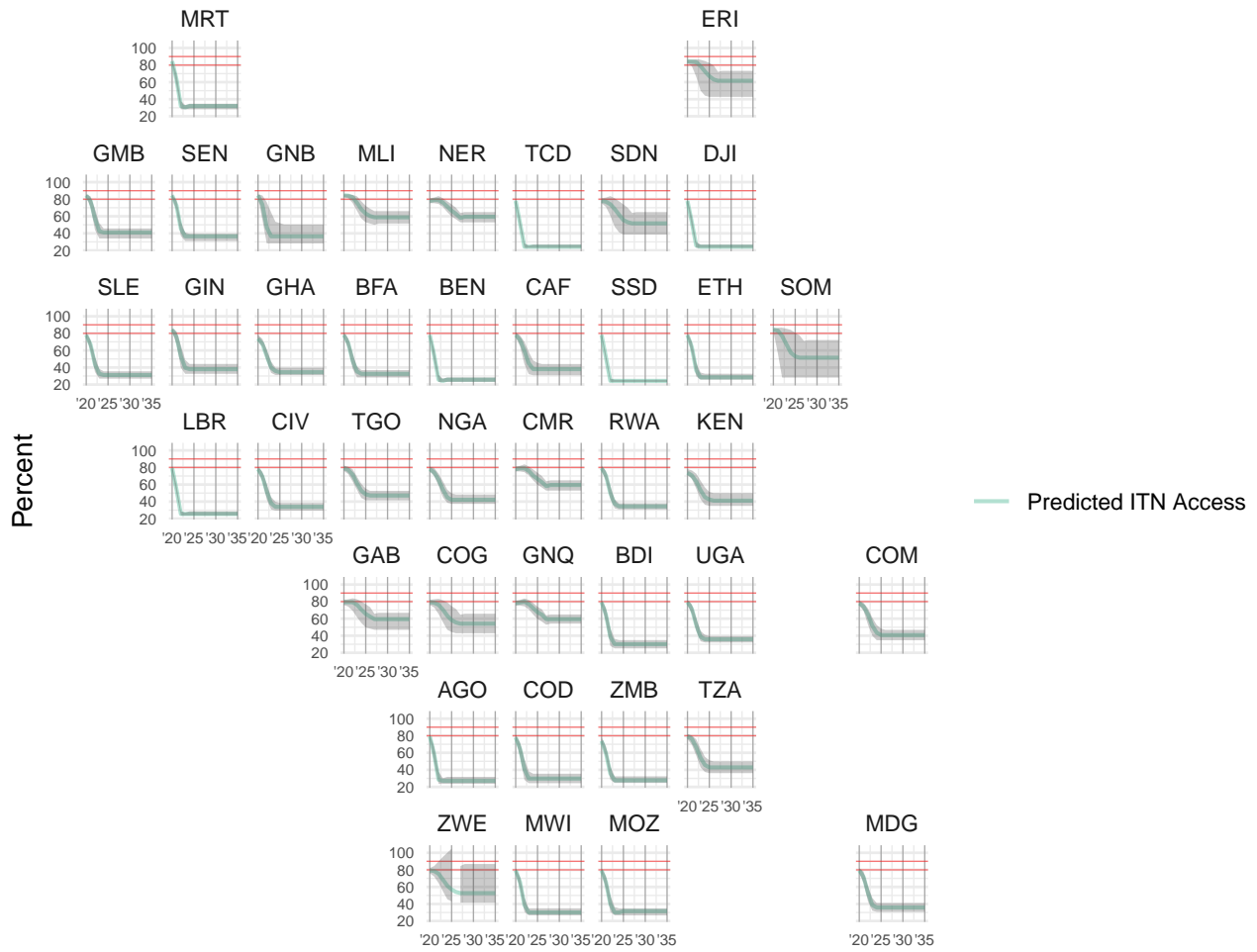
ANC/EPI at 6% and annual school/community distribution at 3 % of the population



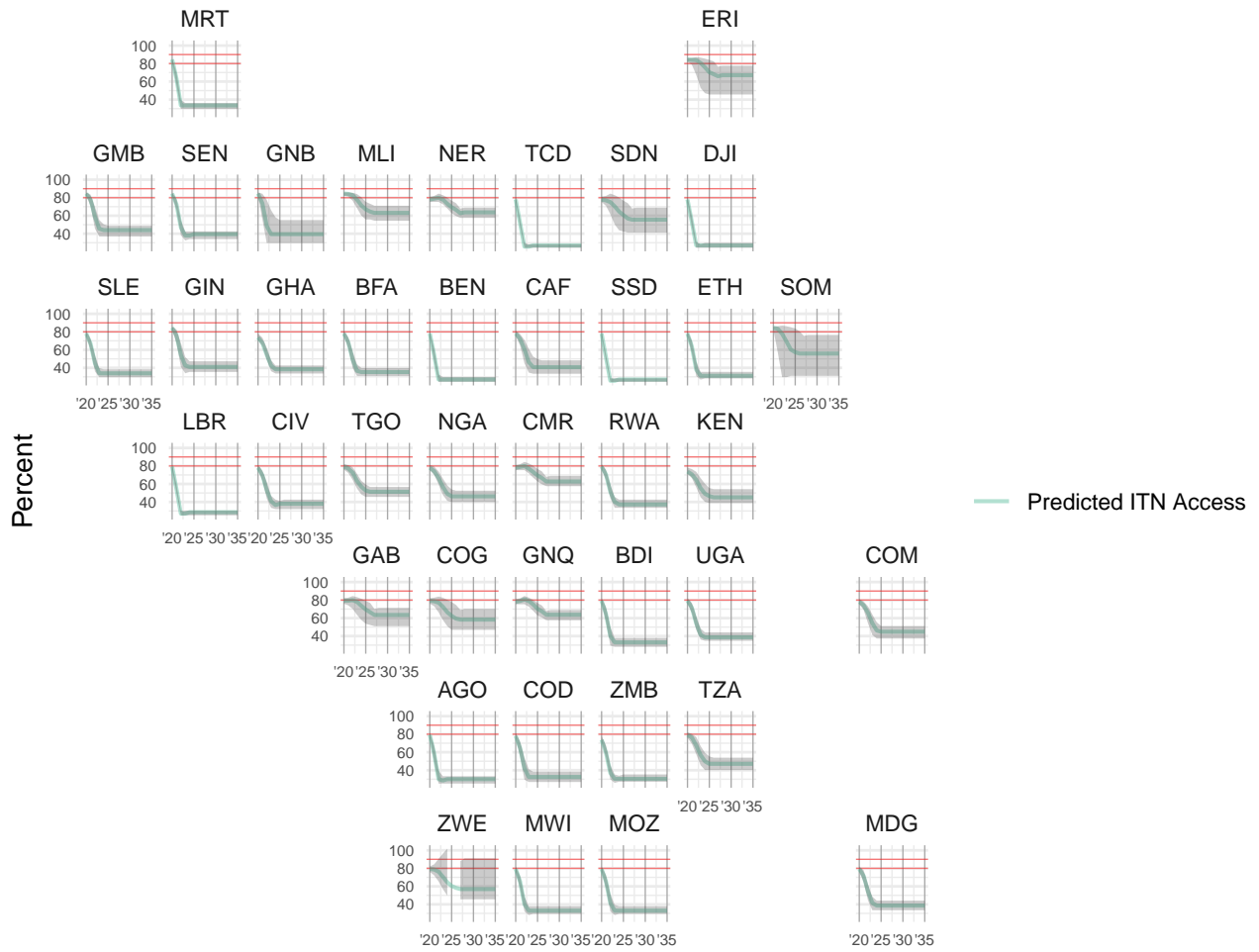
ANC/EPI at 6% and annual school/community distribution at 4 % of the population



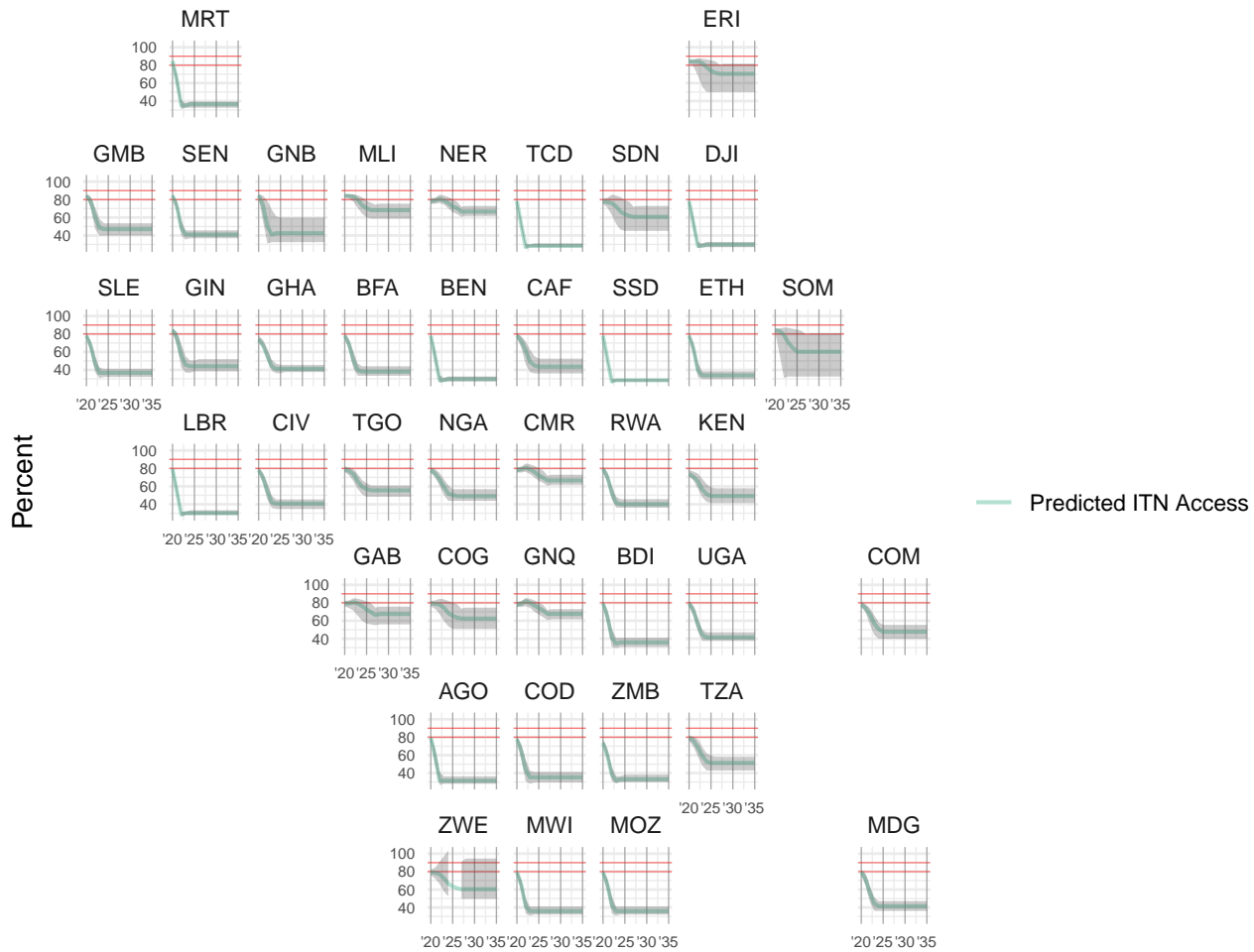
ANC/EPI at 6% and annual school/community distribution at 5 % of the population



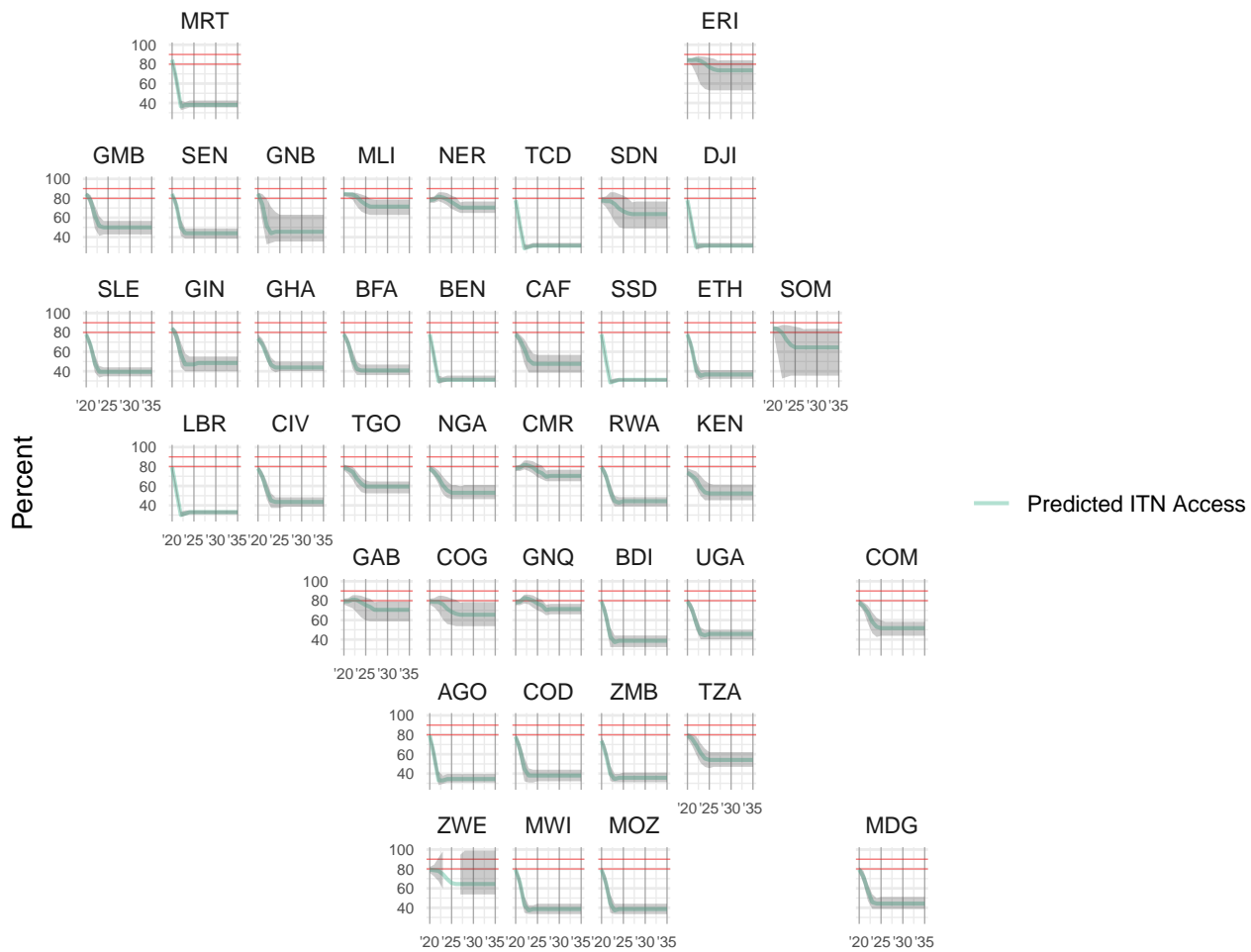
ANC/EPI at 6% and annual school/community distribution at 6 % of the population



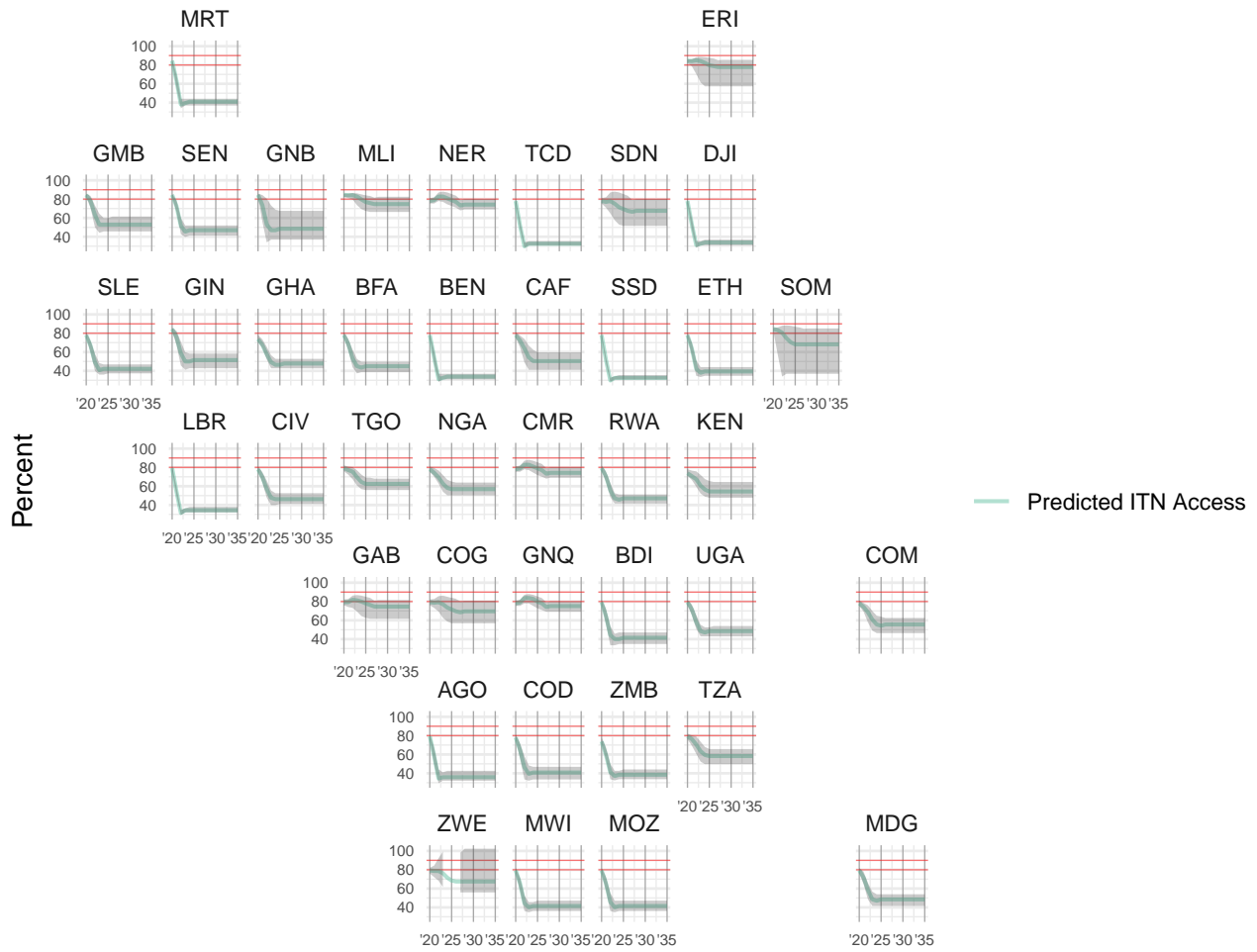
ANC/EPI at 6% and annual school/community distribution at 7 % of the population



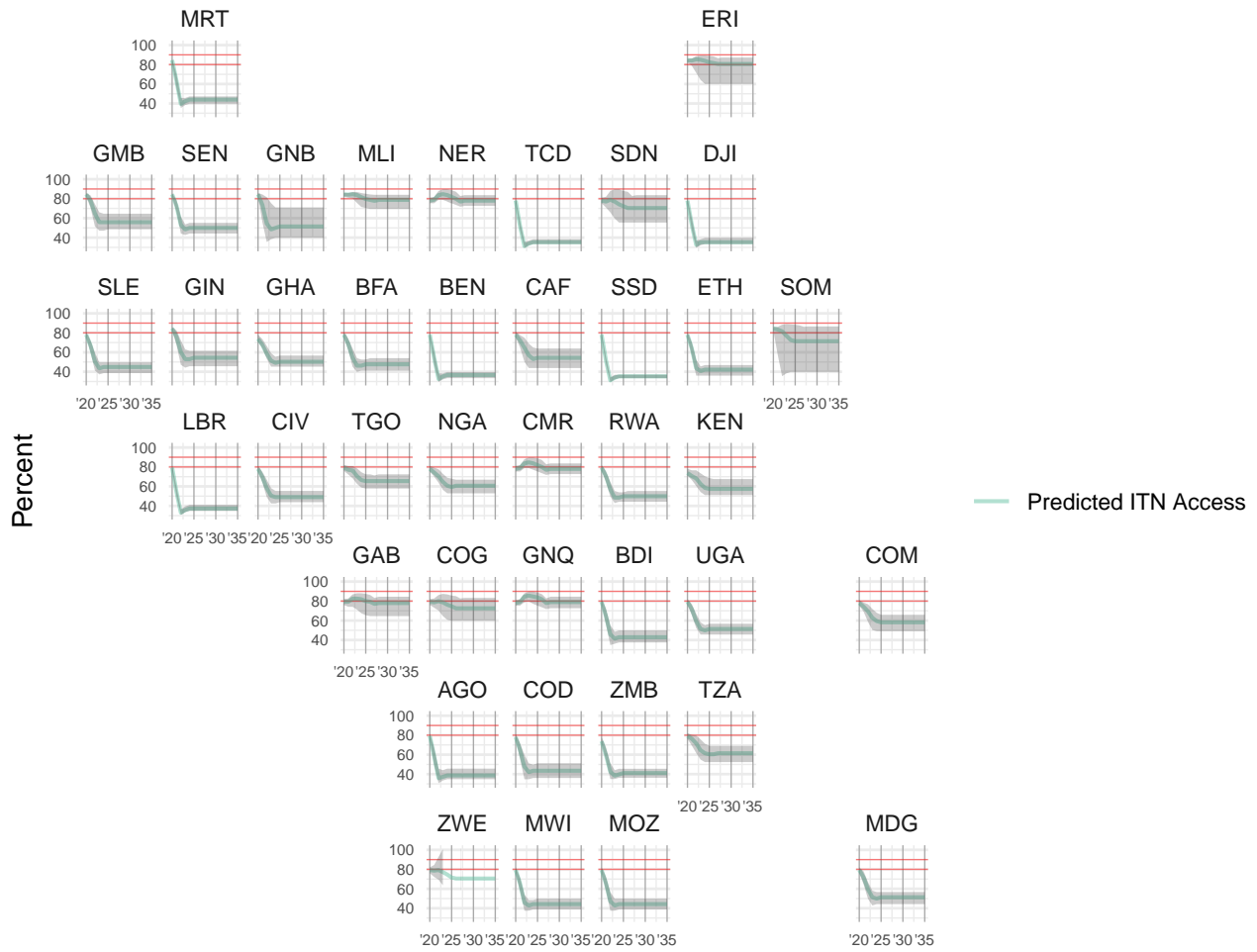
ANC/EPI at 6% and annual school/community distribution at 8 % of the population



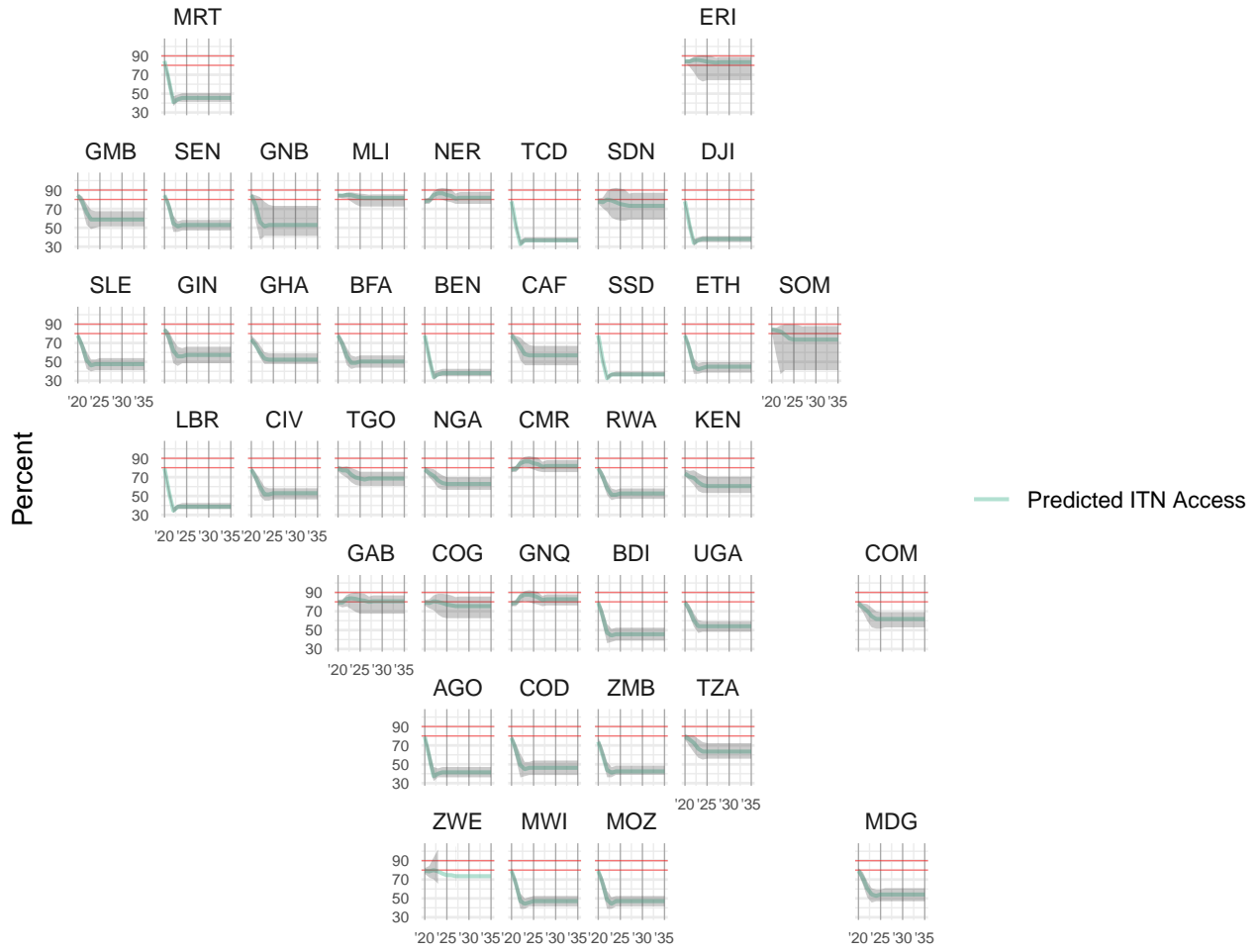
ANC/EPI at 6% and annual school/community distribution at 9 % of the population



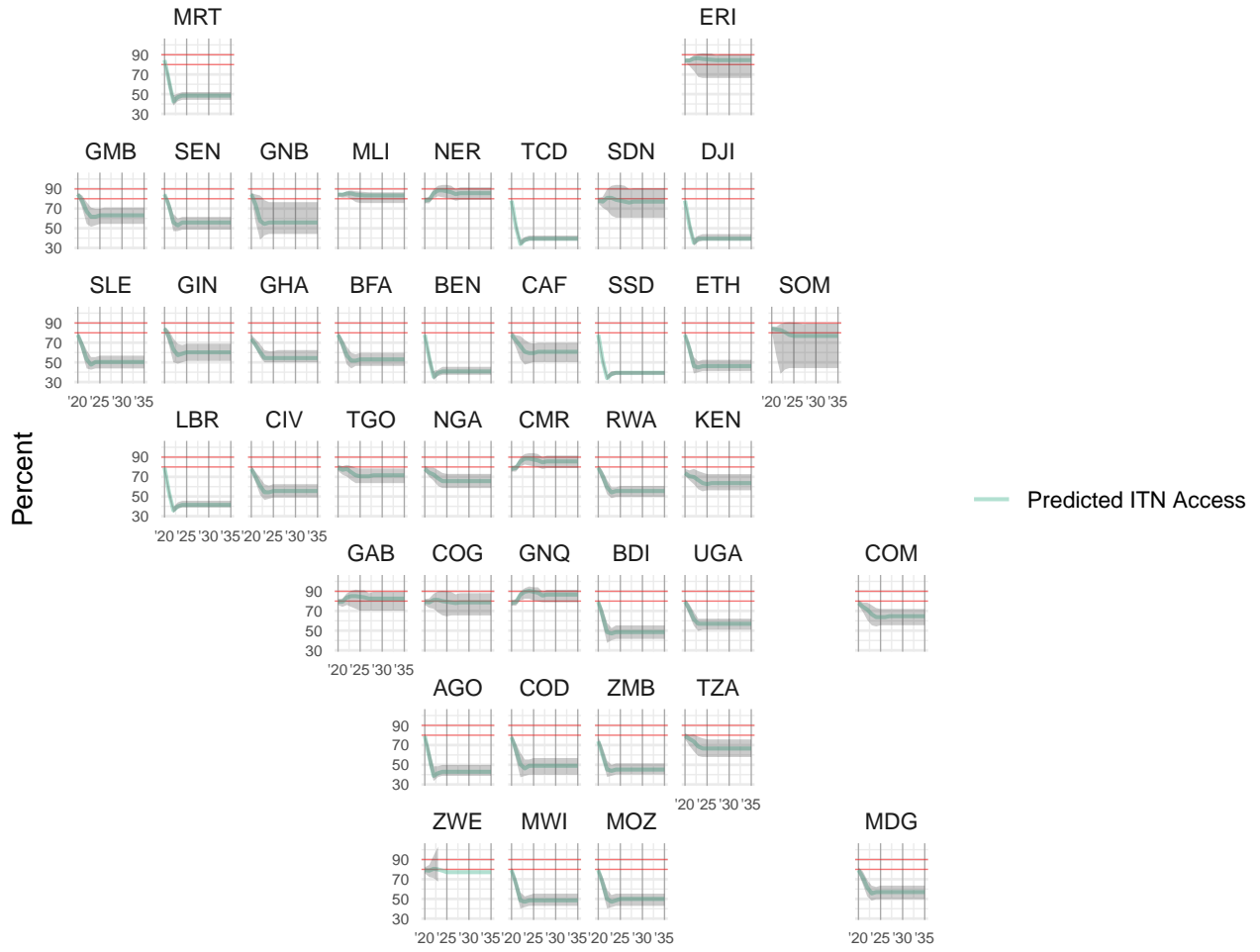
ANC/EPI at 6% and annual school/community distribution at 10% of the population



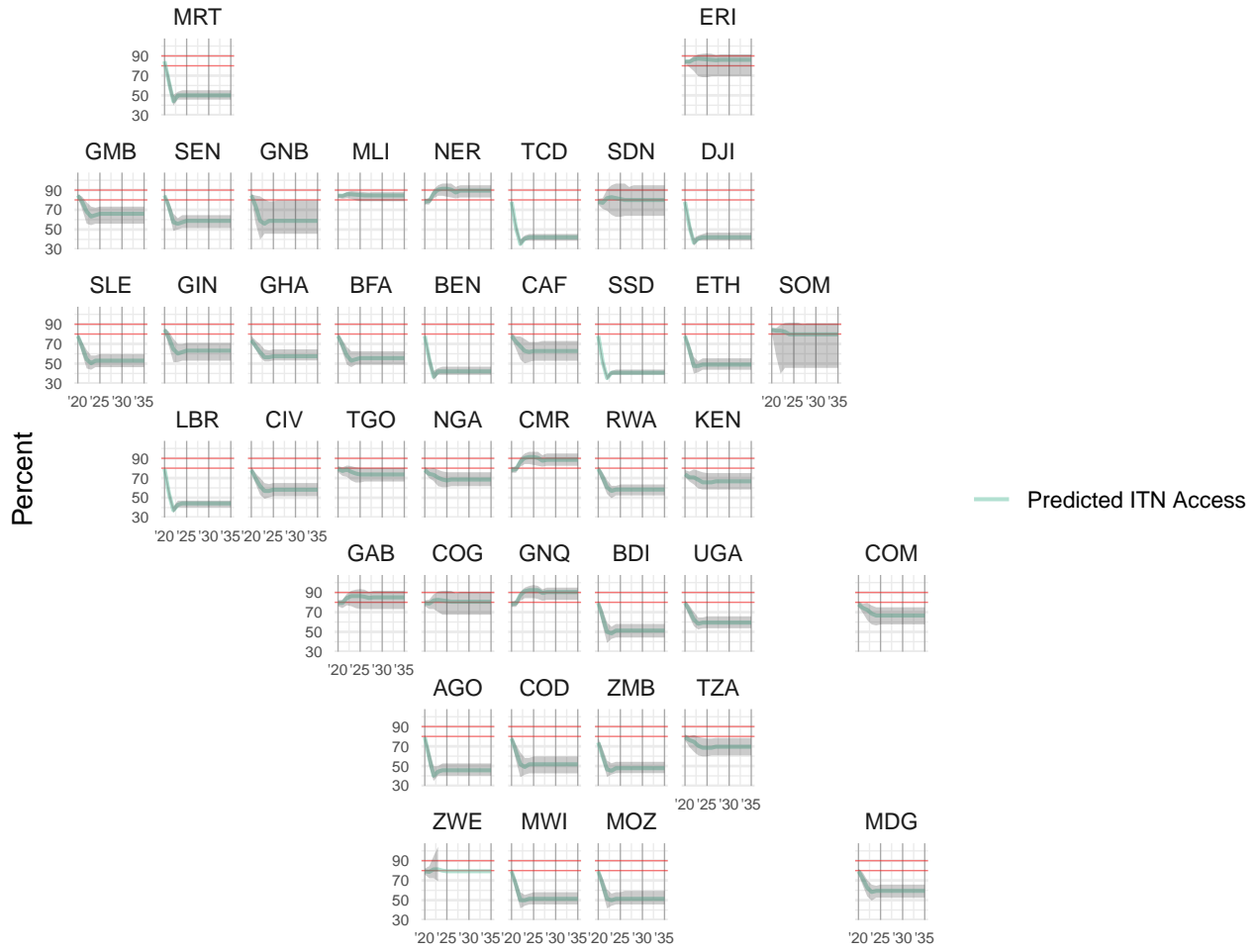
ANC/EPI at 6% and annual school/community distribution at 11 % of the population



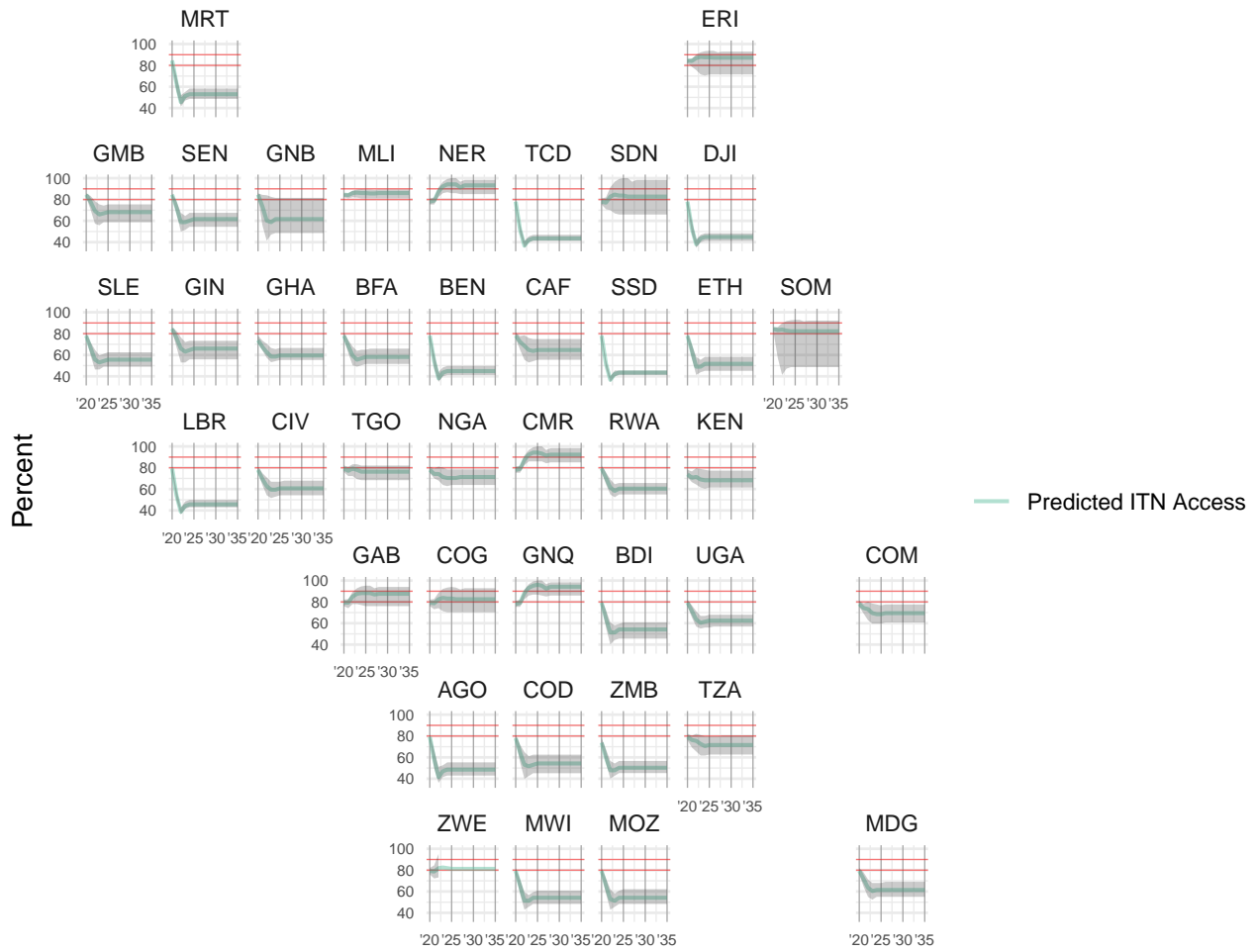
ANC/EPI at 6% and annual school/community distribution at 12 % of the population



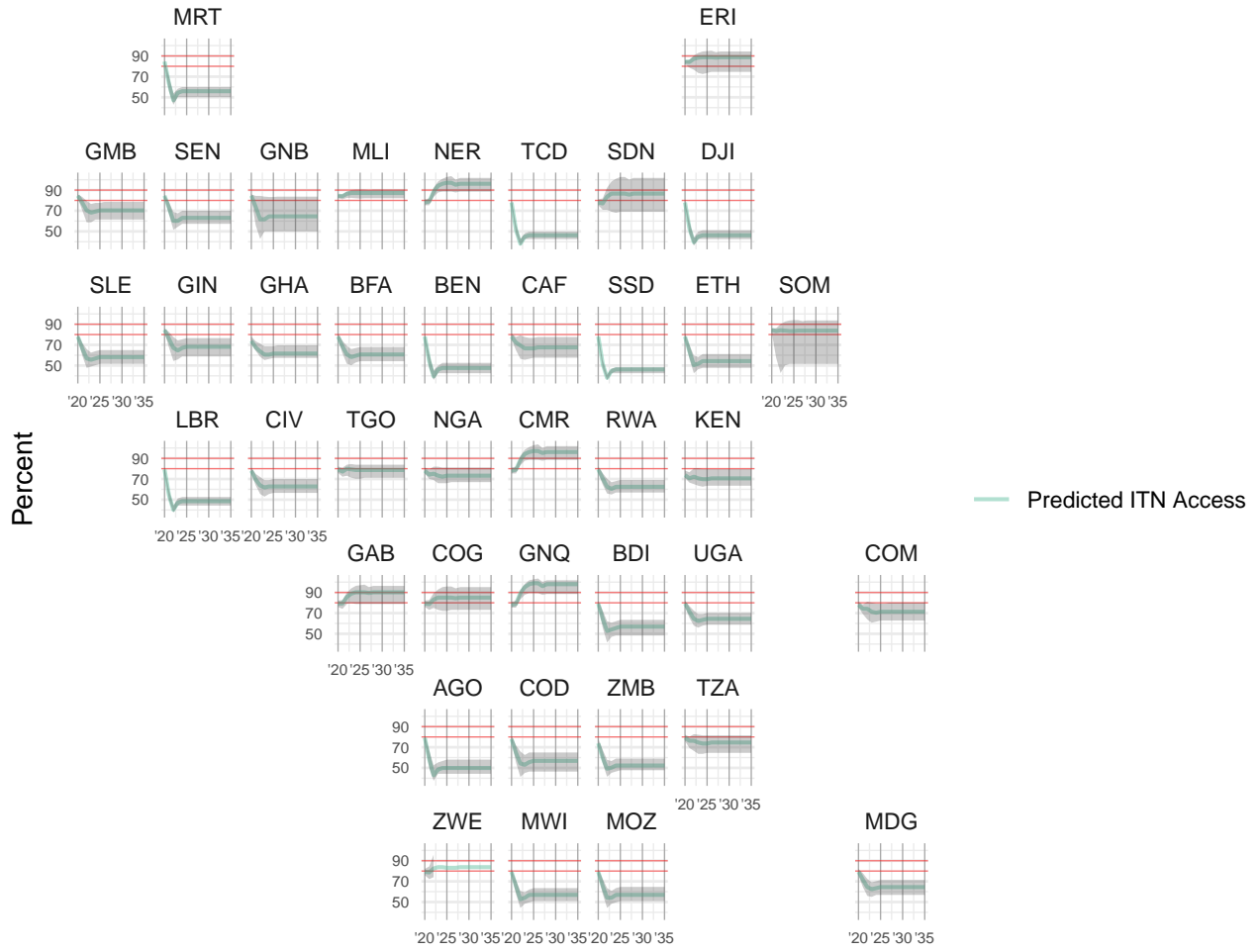
ANC/EPI at 6% and annual school/community distribution at 13 % of the population



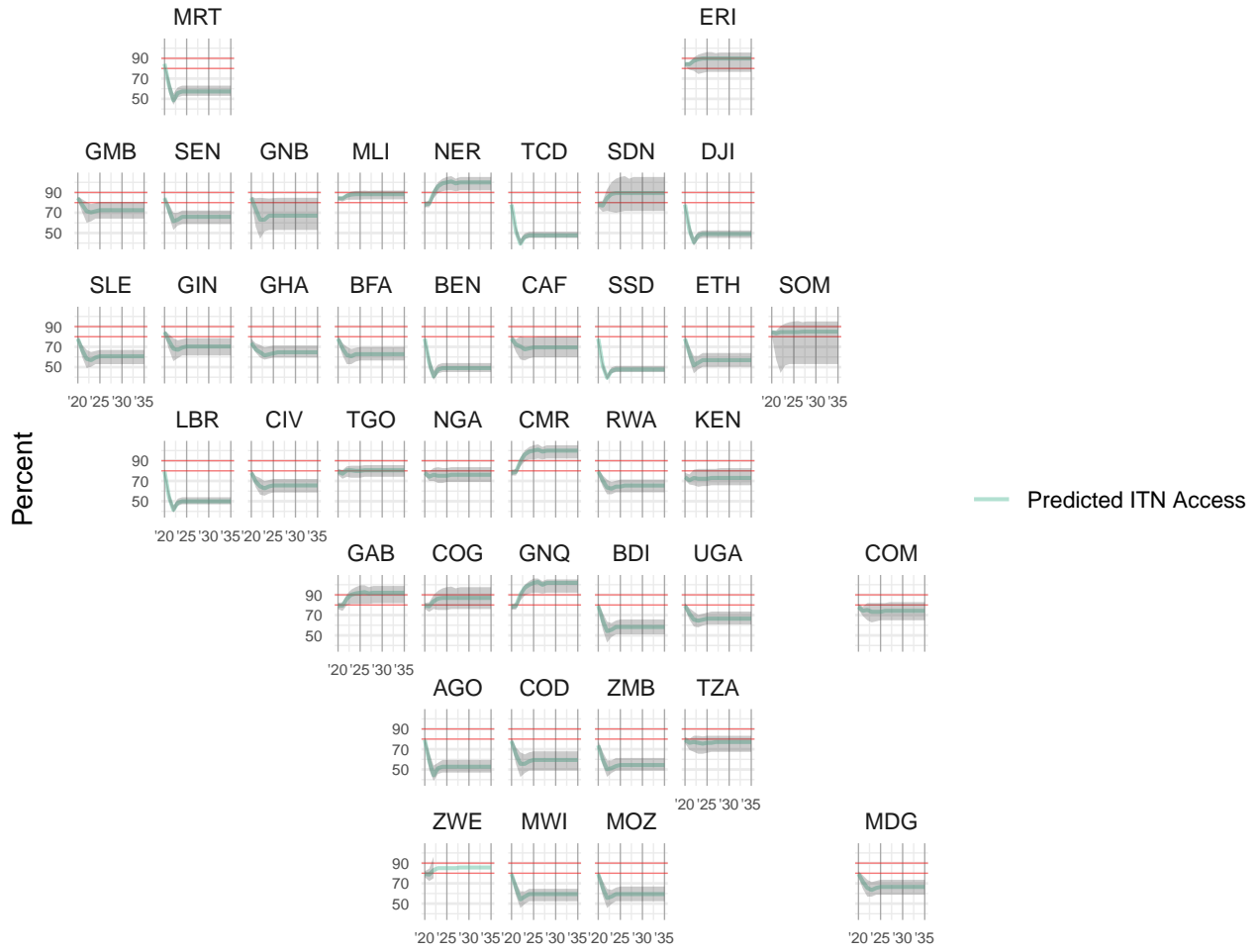
ANC/EPI at 6% and annual school/community distribution at 14 % of the population



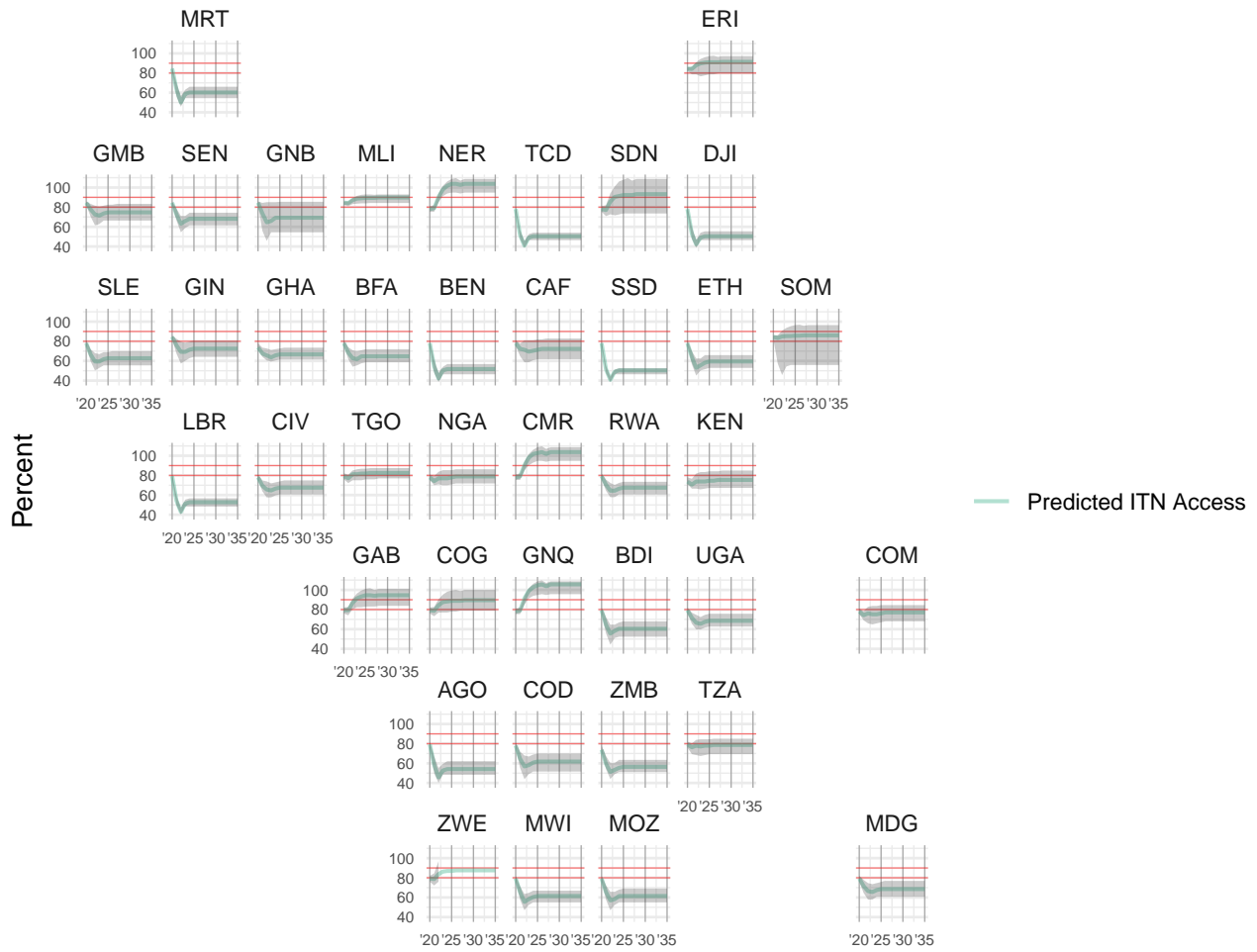
ANC/EPI at 6% and annual school/community distribution at 15 % of the population



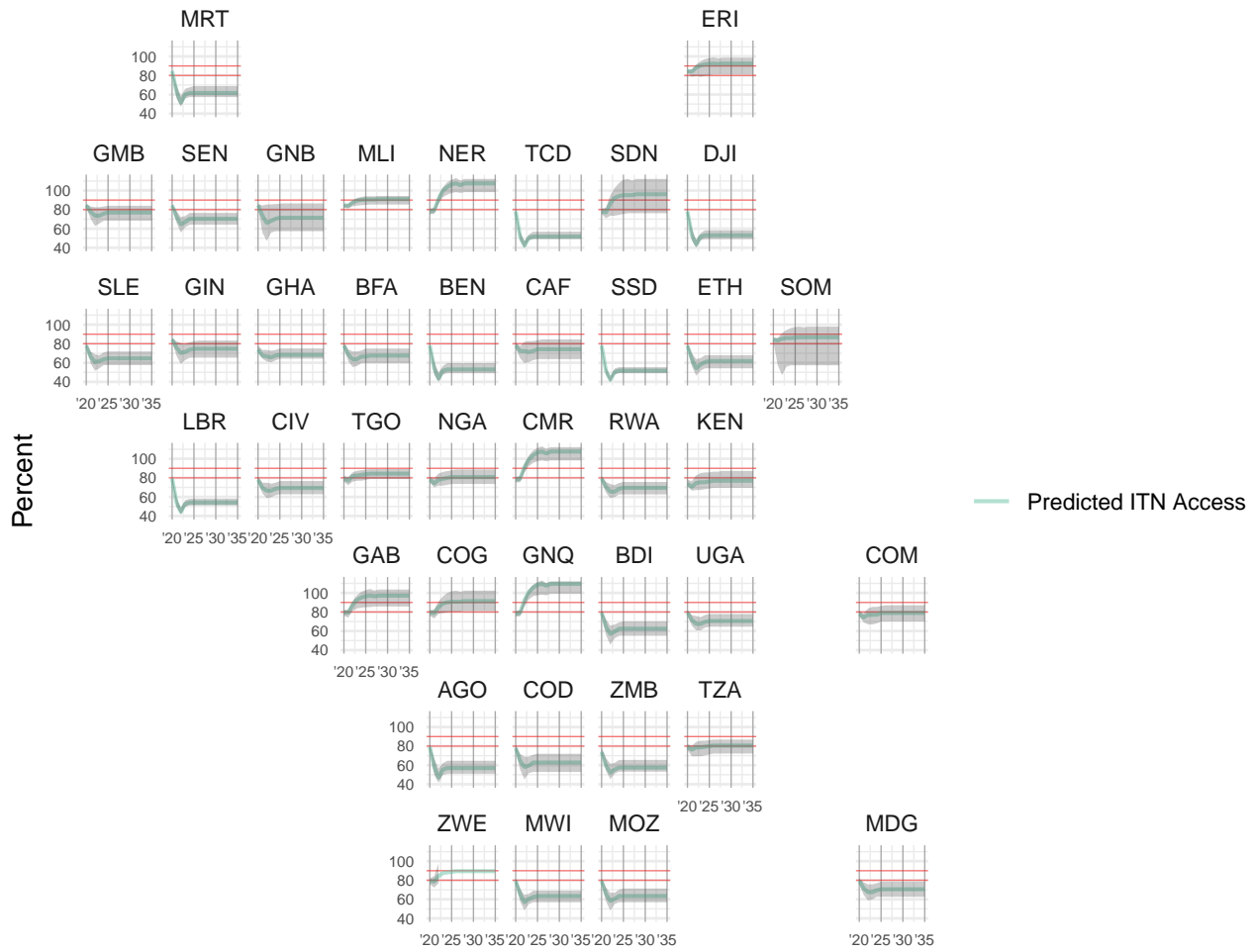
ANC/EPI at 6% and annual school/community distribution at 16 % of the population



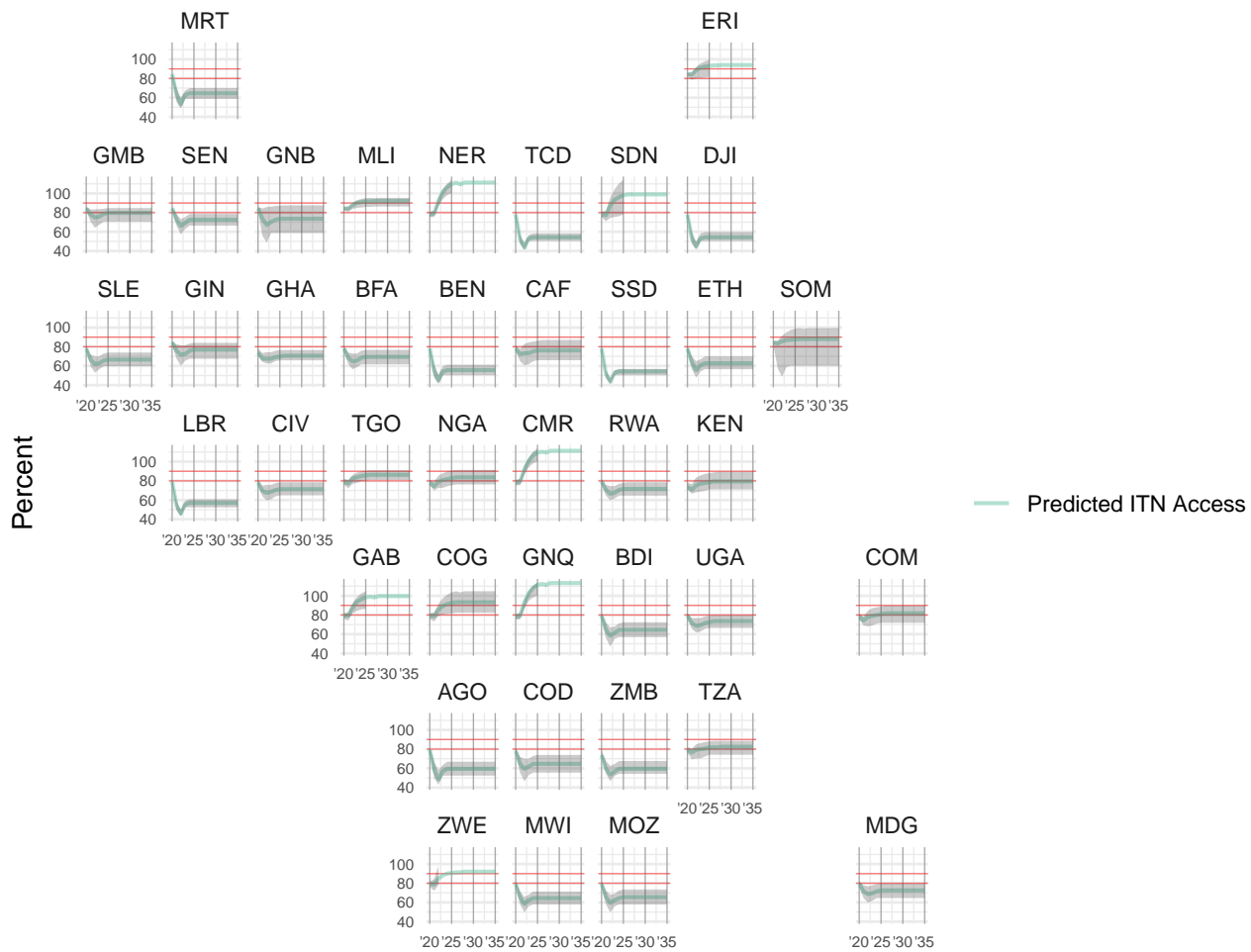
ANC/EPI at 6% and annual school/community distribution at 17% of the population



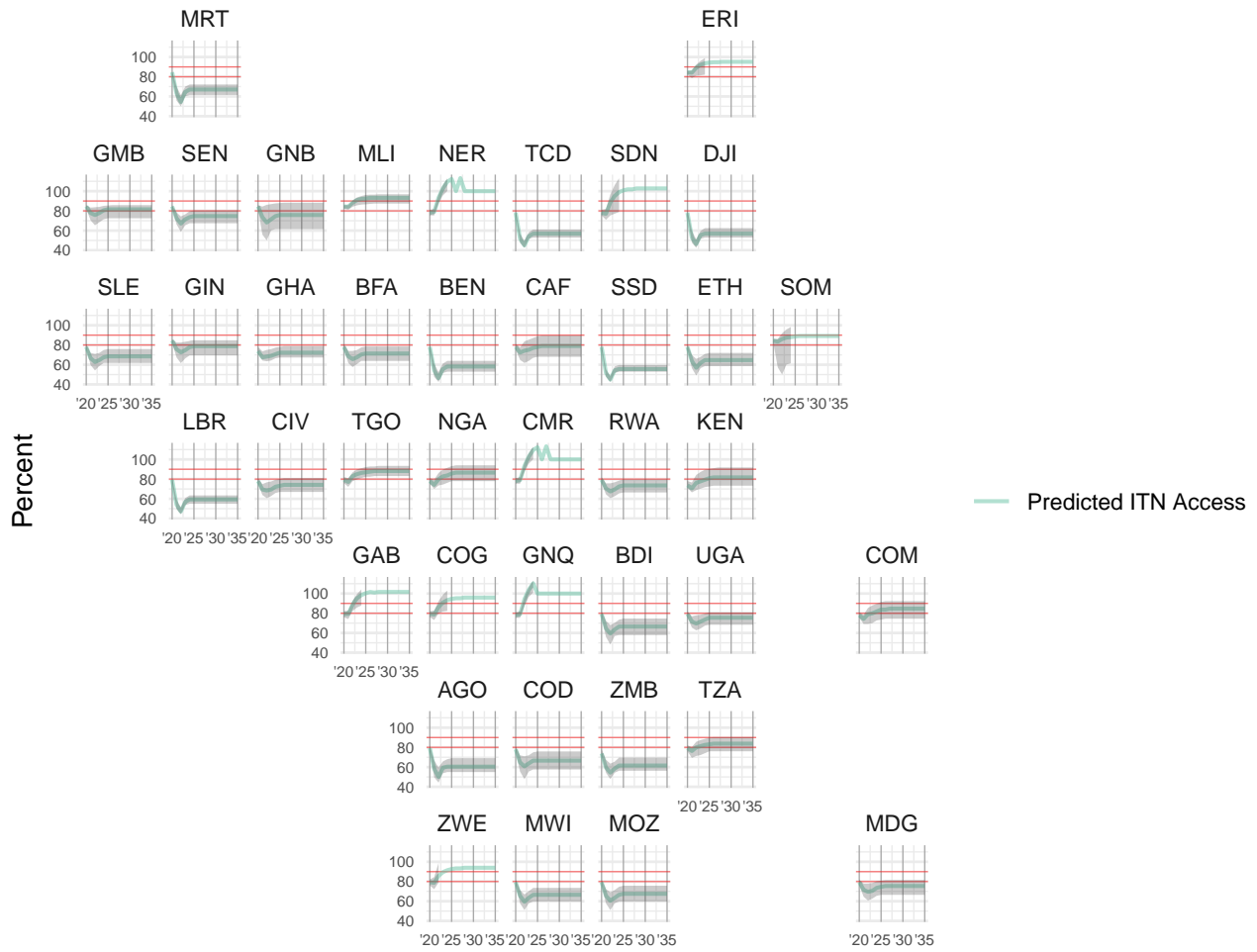
ANC/EPI at 6% and annual school/community distribution at 18% of the population



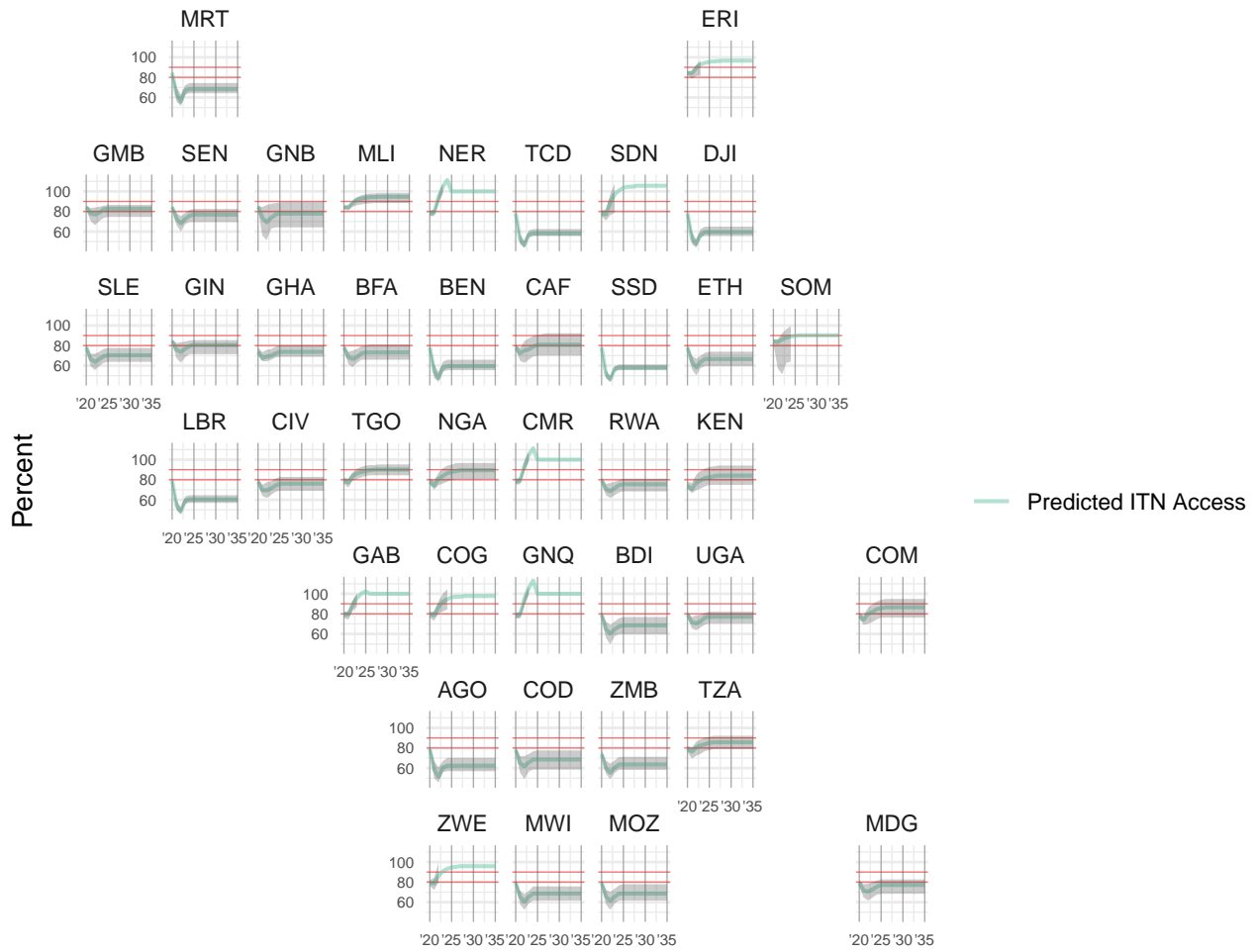
ANC/EPI at 6% and annual school/community distribution at 19% of the population



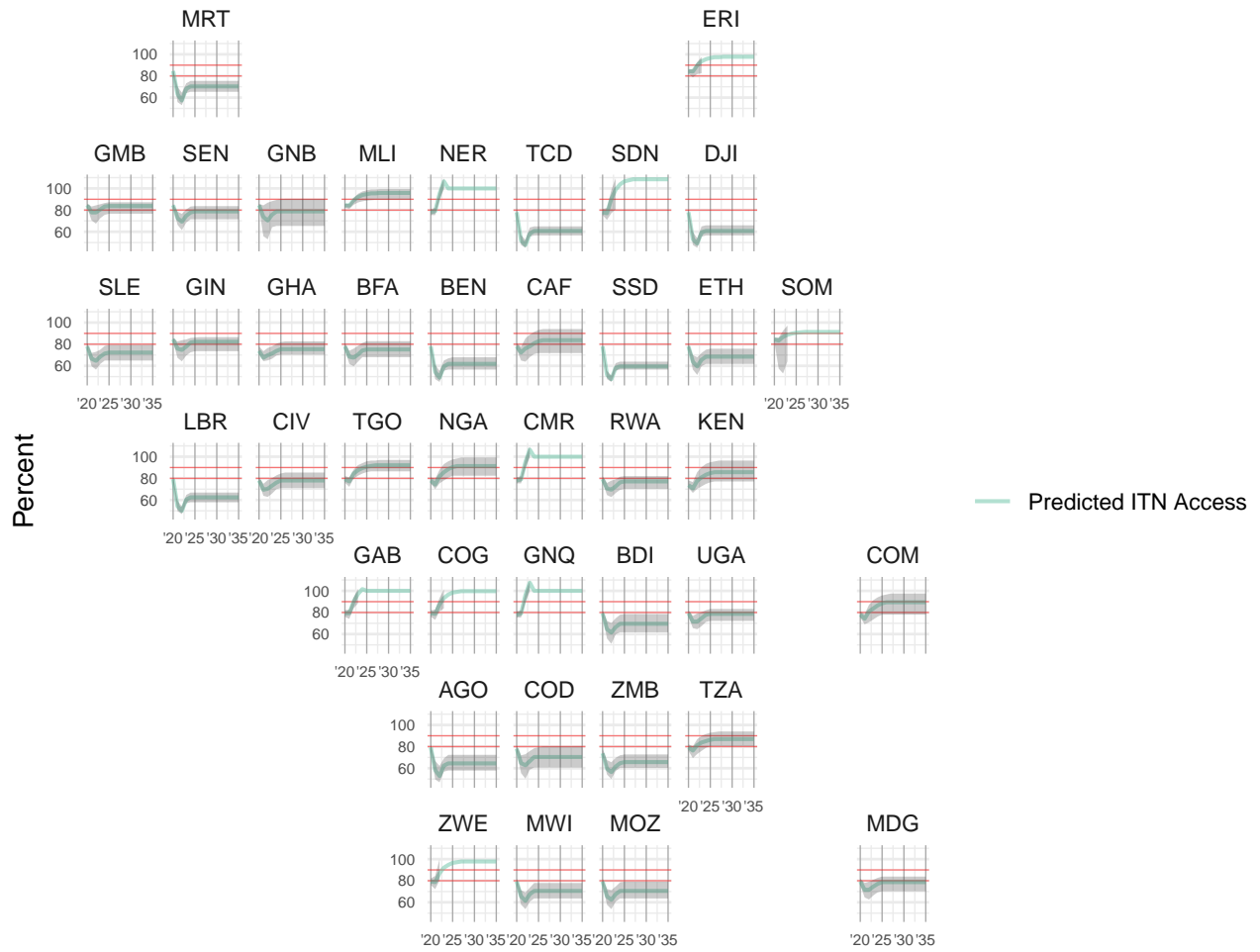
ANC/EPI at 6% and annual school/community distribution at 20 % of the population



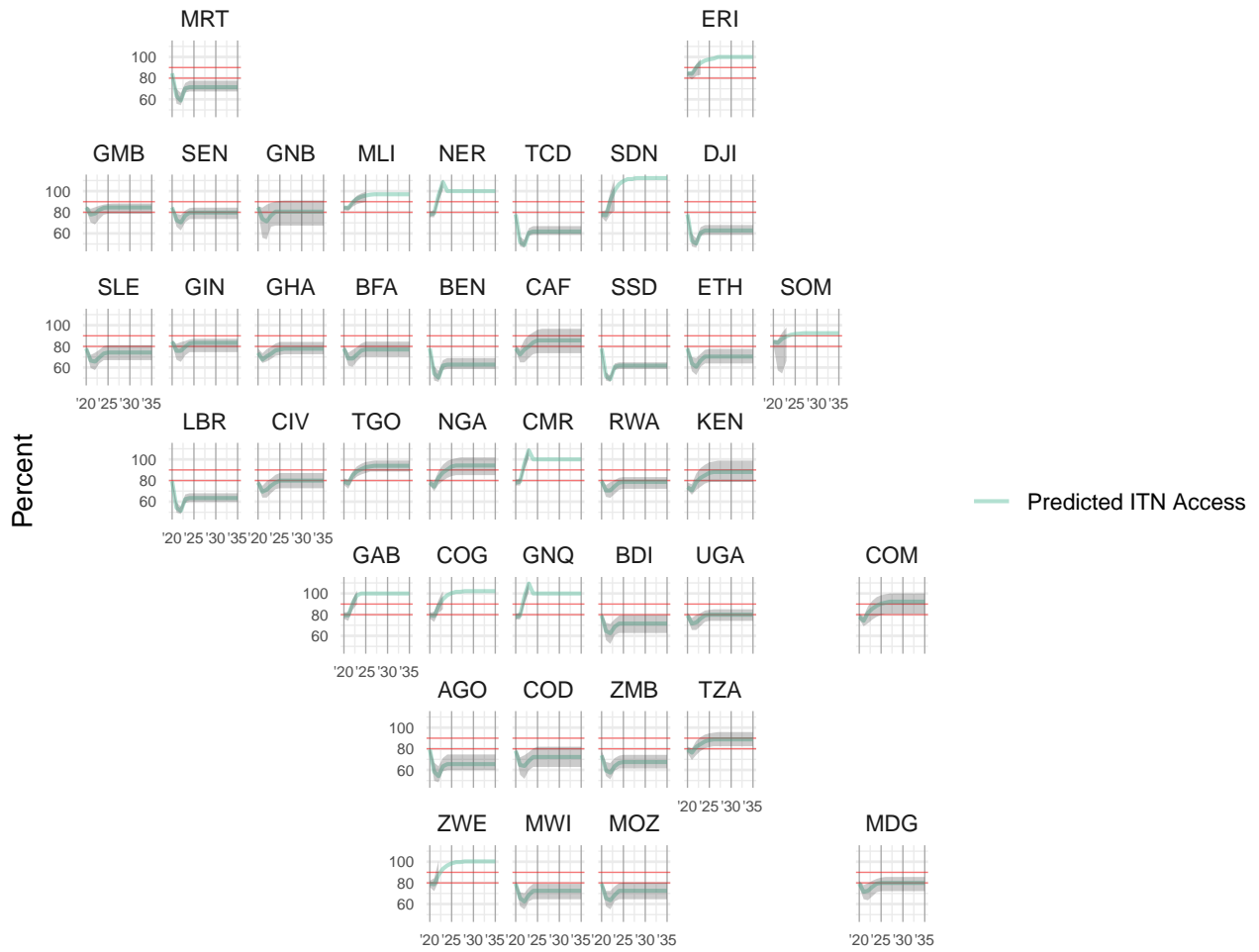
ANC/EPI at 6% and annual school/community distribution at 21 % of the population



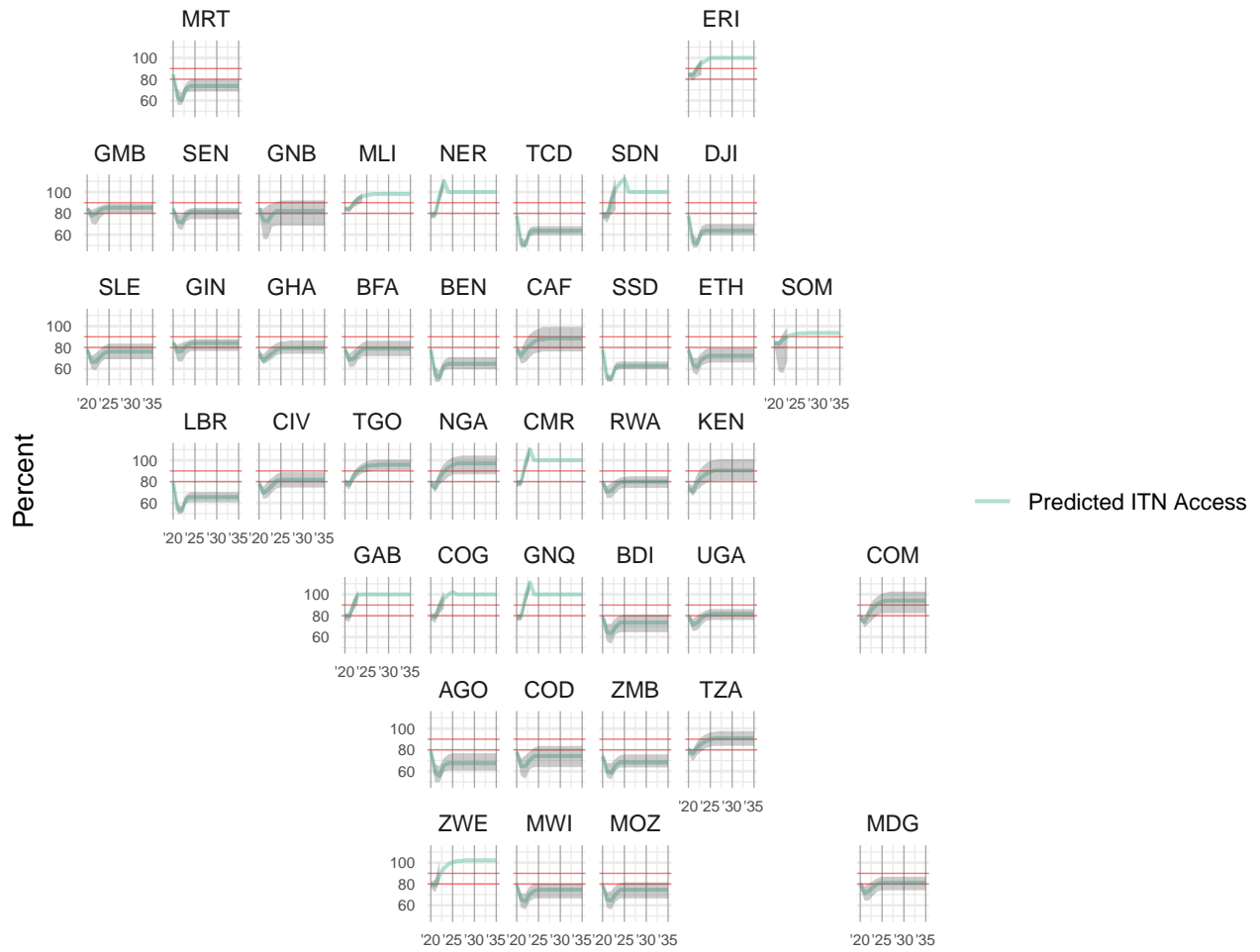
ANC/EPI at 6% and annual school/community distribution at 22 % of the population



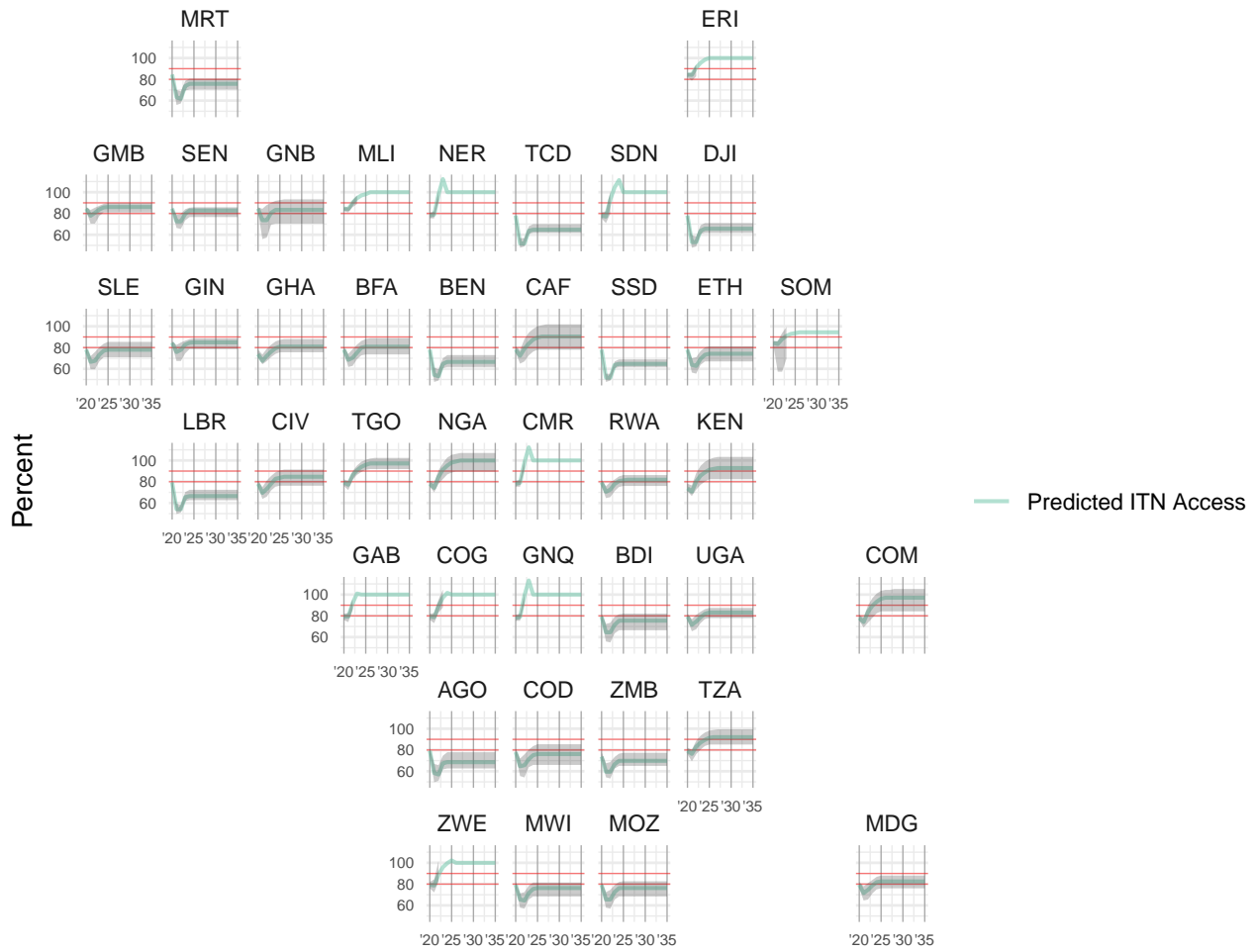
ANC/EPI at 6% and annual school/community distribution at 23 % of the population



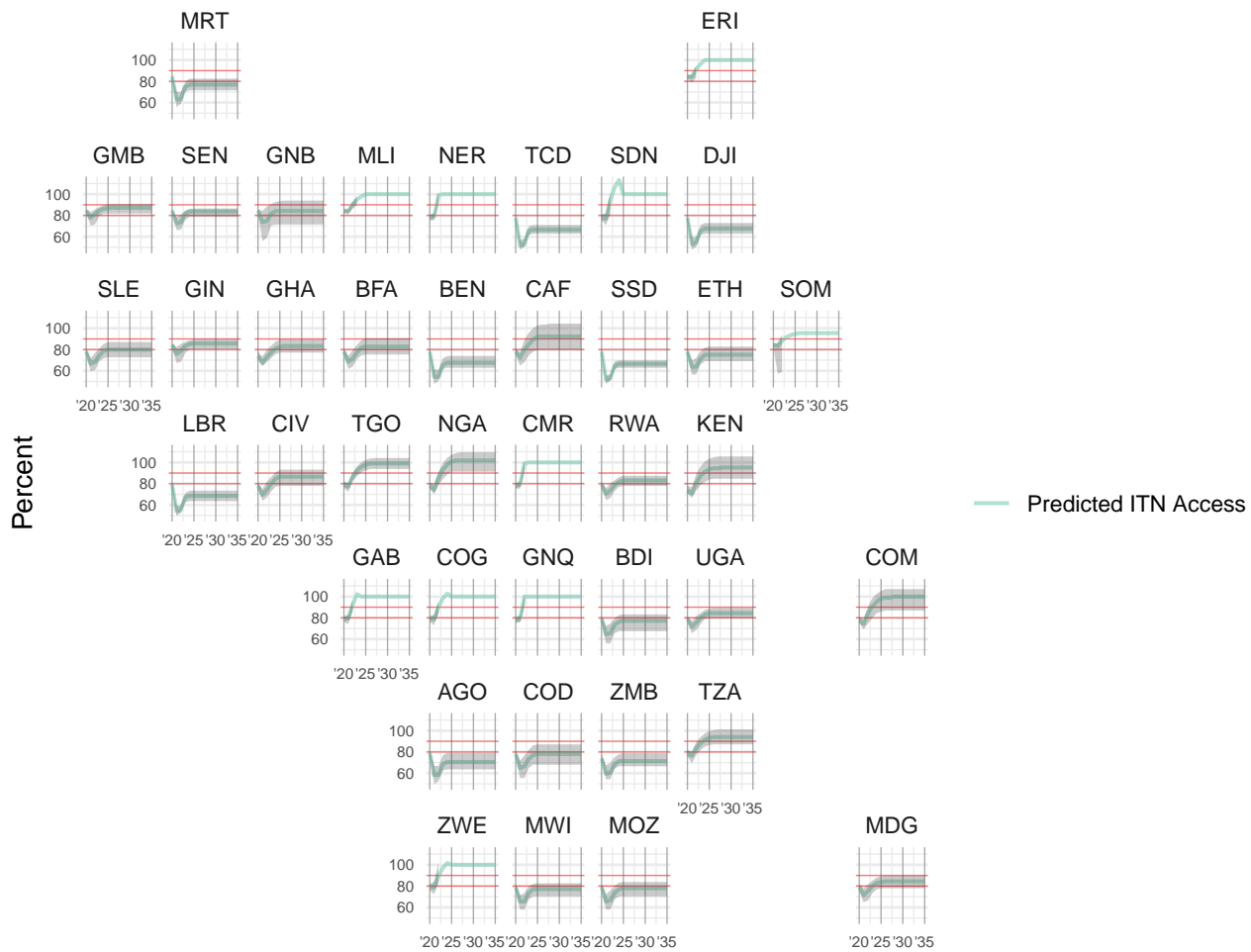
ANC/EPI at 6% and annual school/community distribution at 24 % of the population



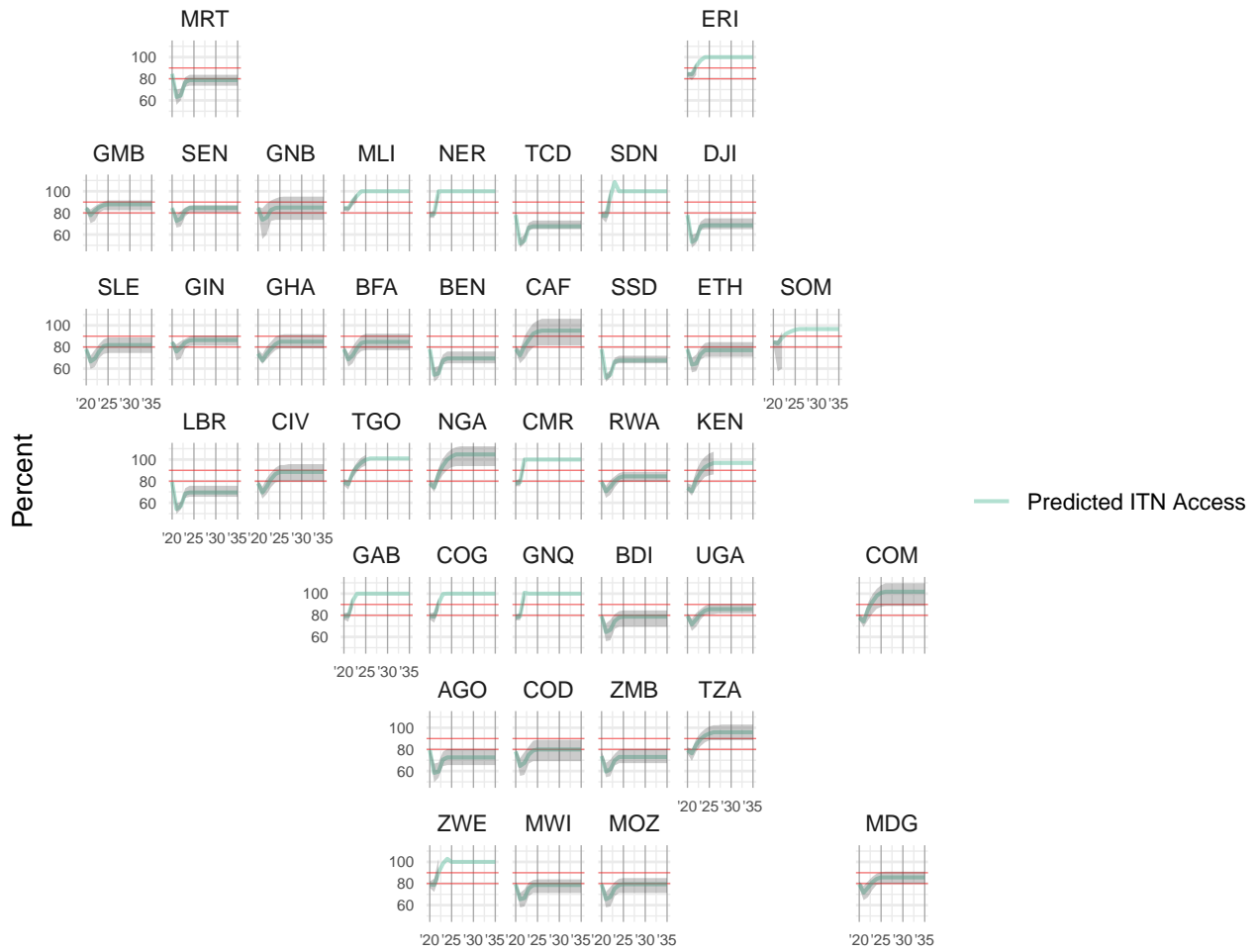
ANC/EPI at 6% and annual school/community distribution at 25% of the population



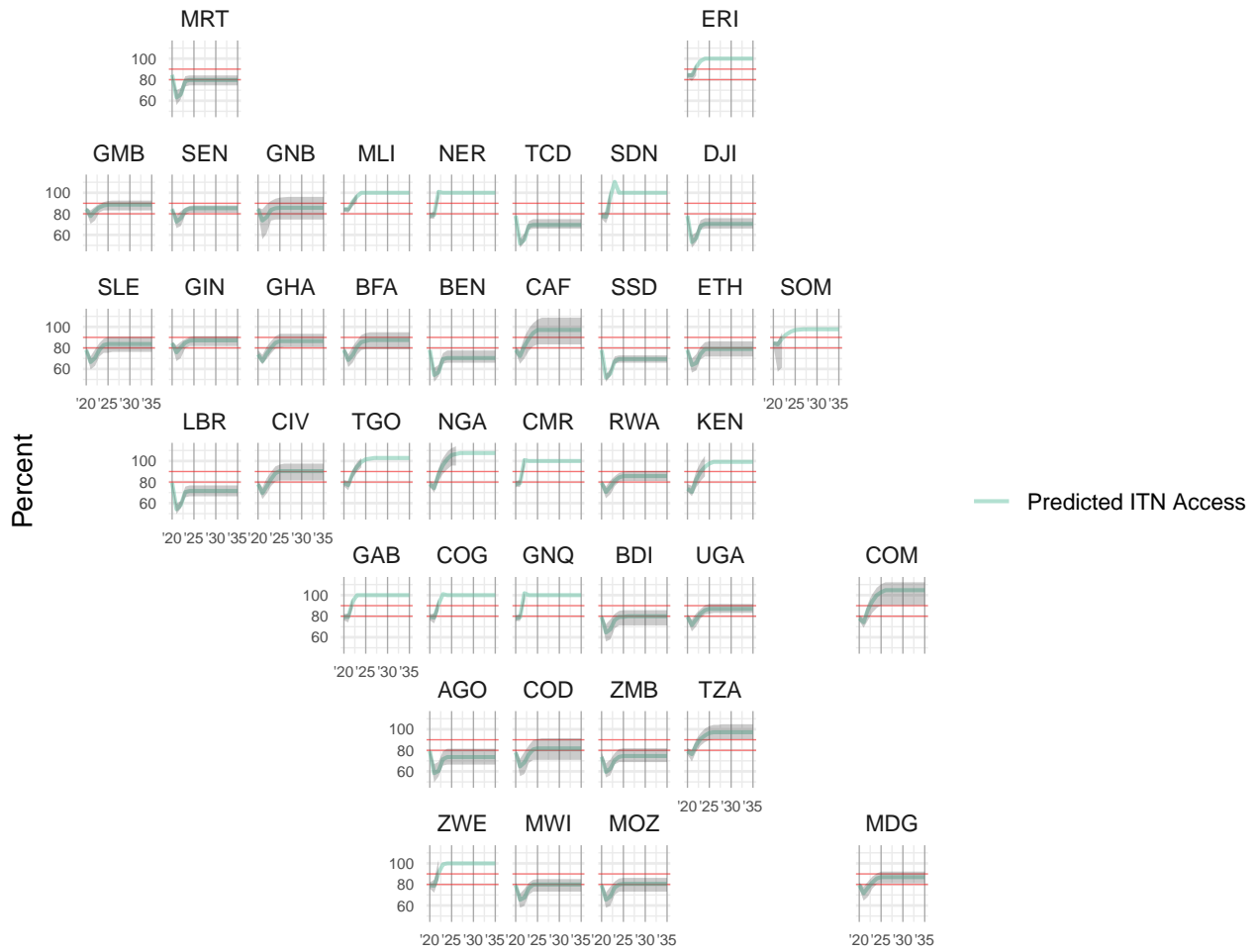
ANC/EPI at 6% and annual school/community distribution at 26 % of the population



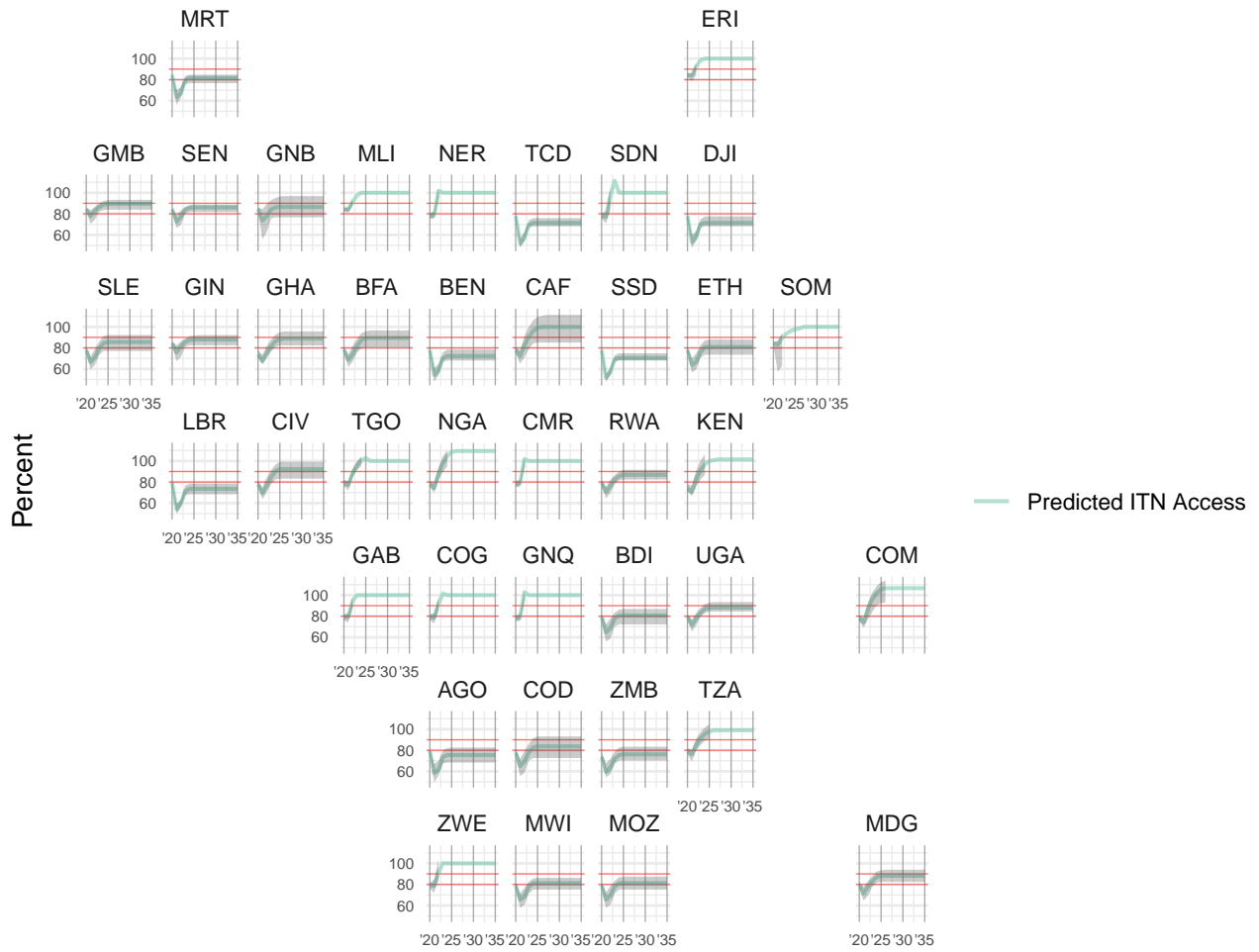
ANC/EPI at 6% and annual school/community distribution at 27 % of the population



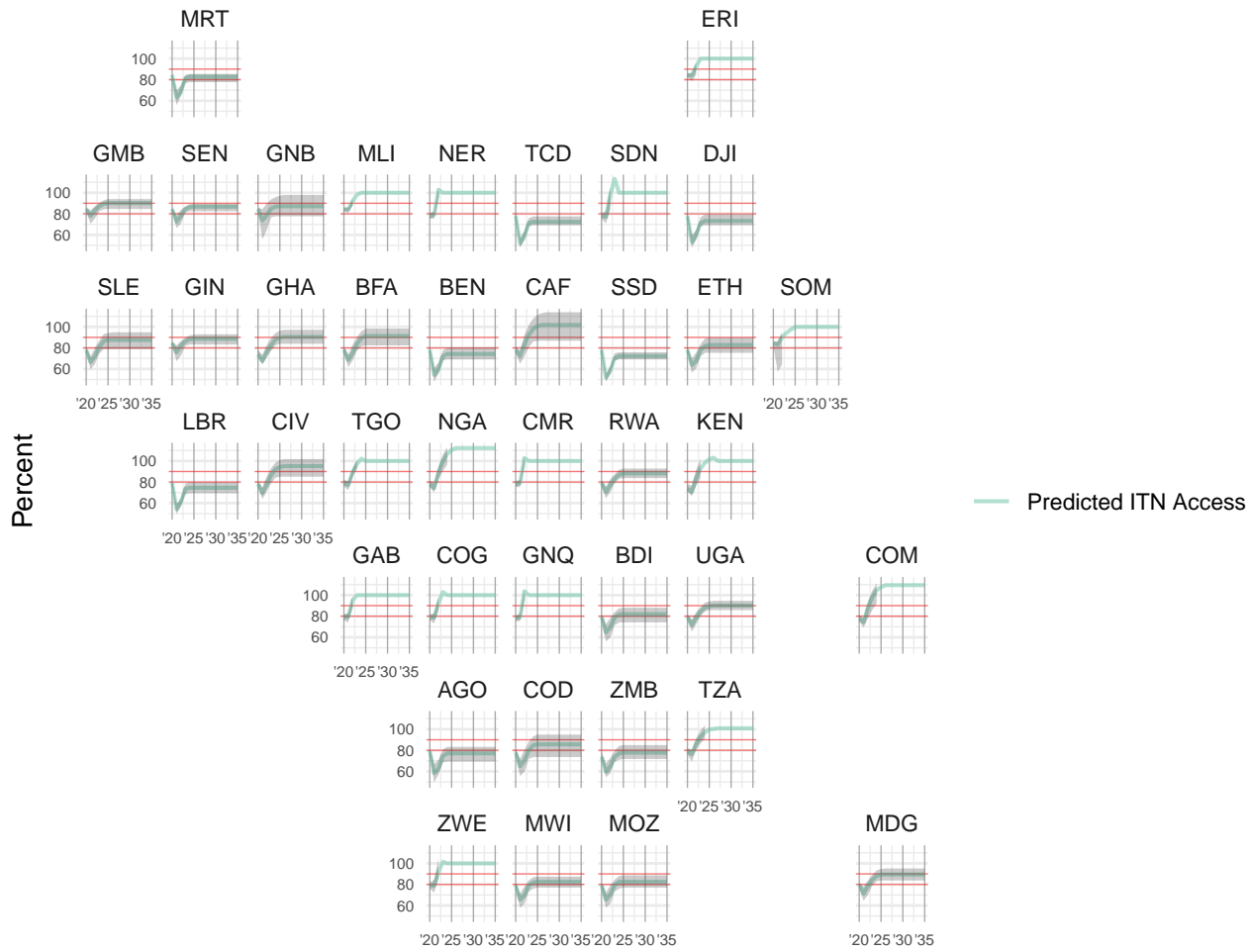
ANC/EPI at 6% and annual school/community distribution at 28 % of the population



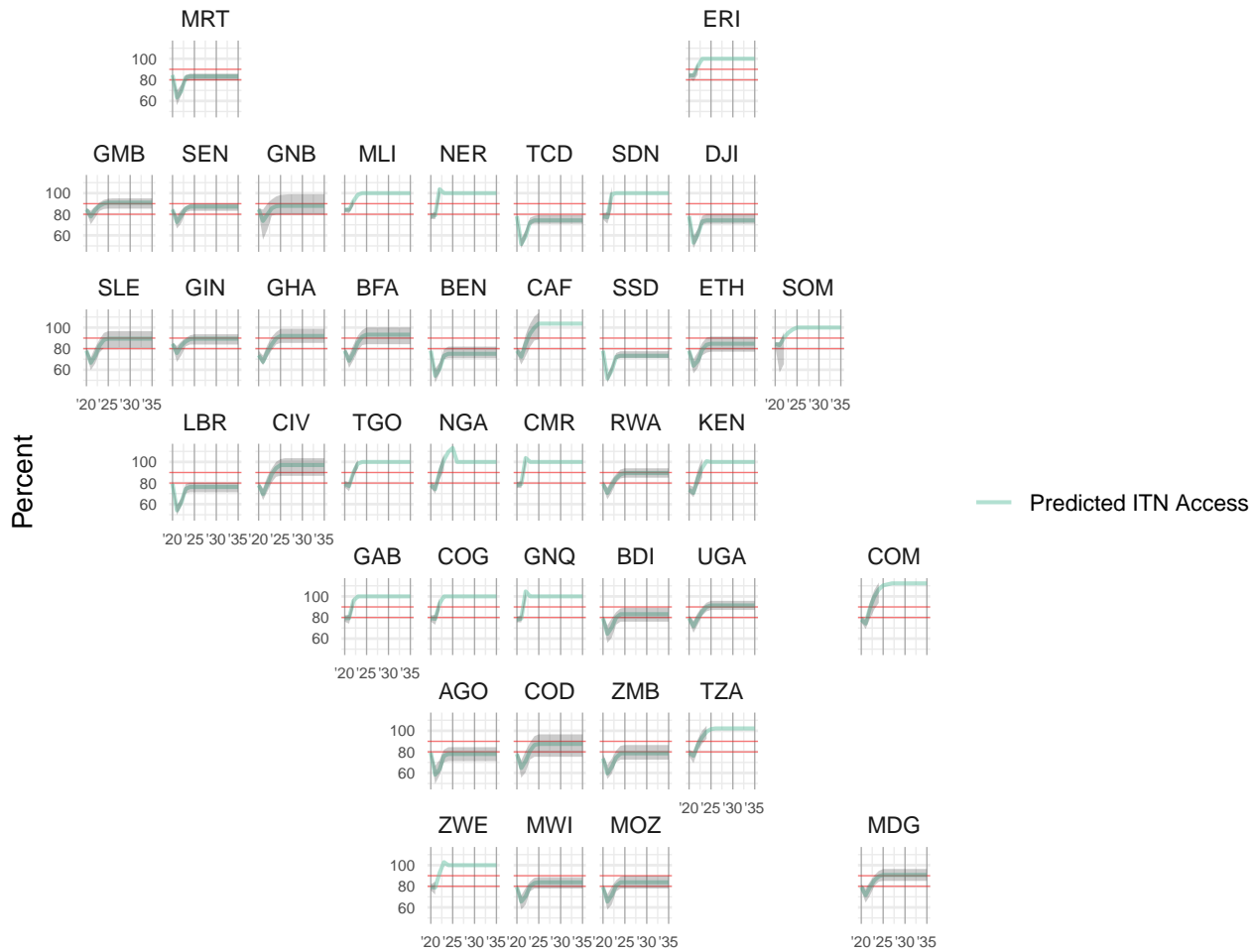
ANC/EPI at 6% and annual school/community distribution at 29 % of the population



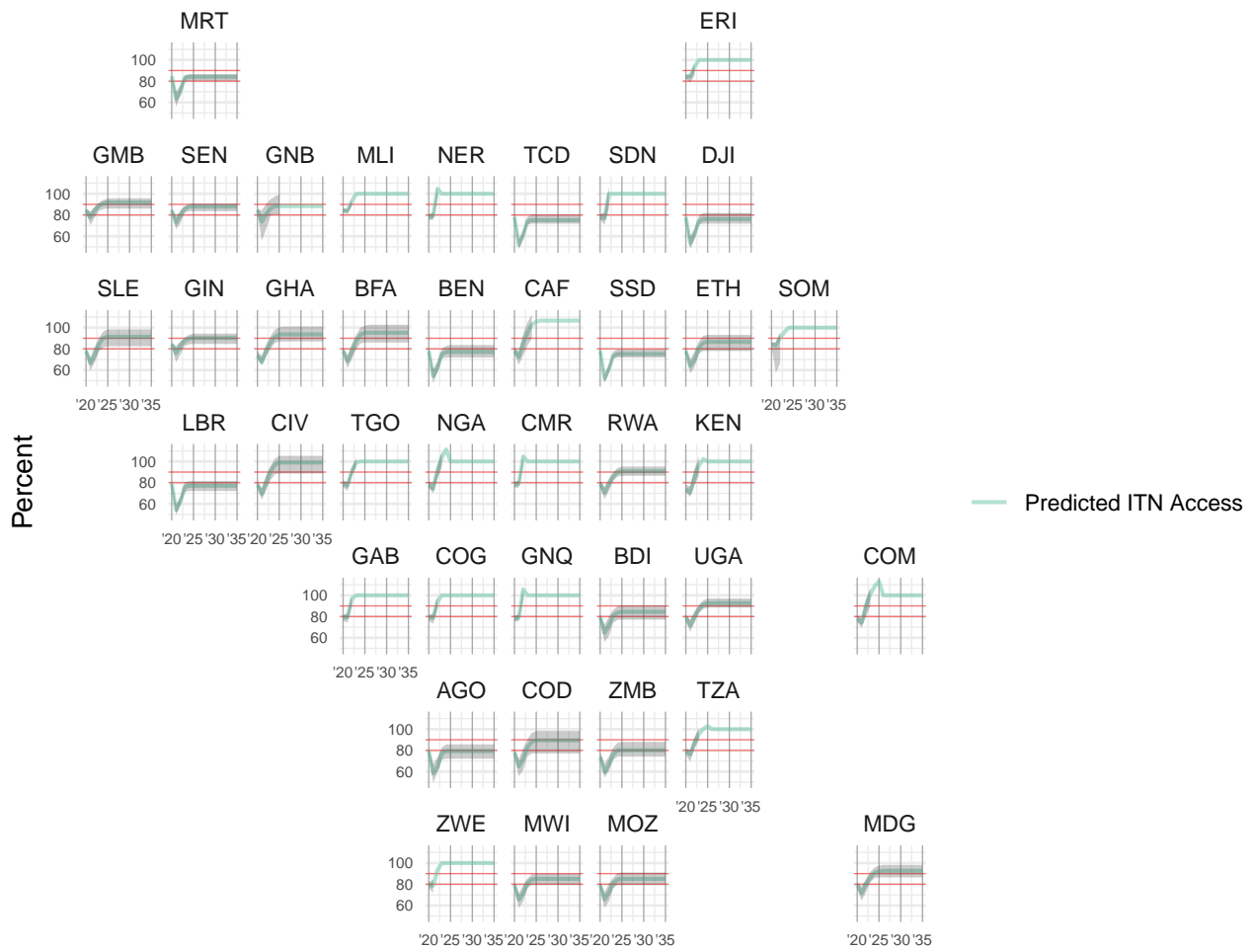
ANC/EPI at 6% and annual school/community distribution at 30 % of the population



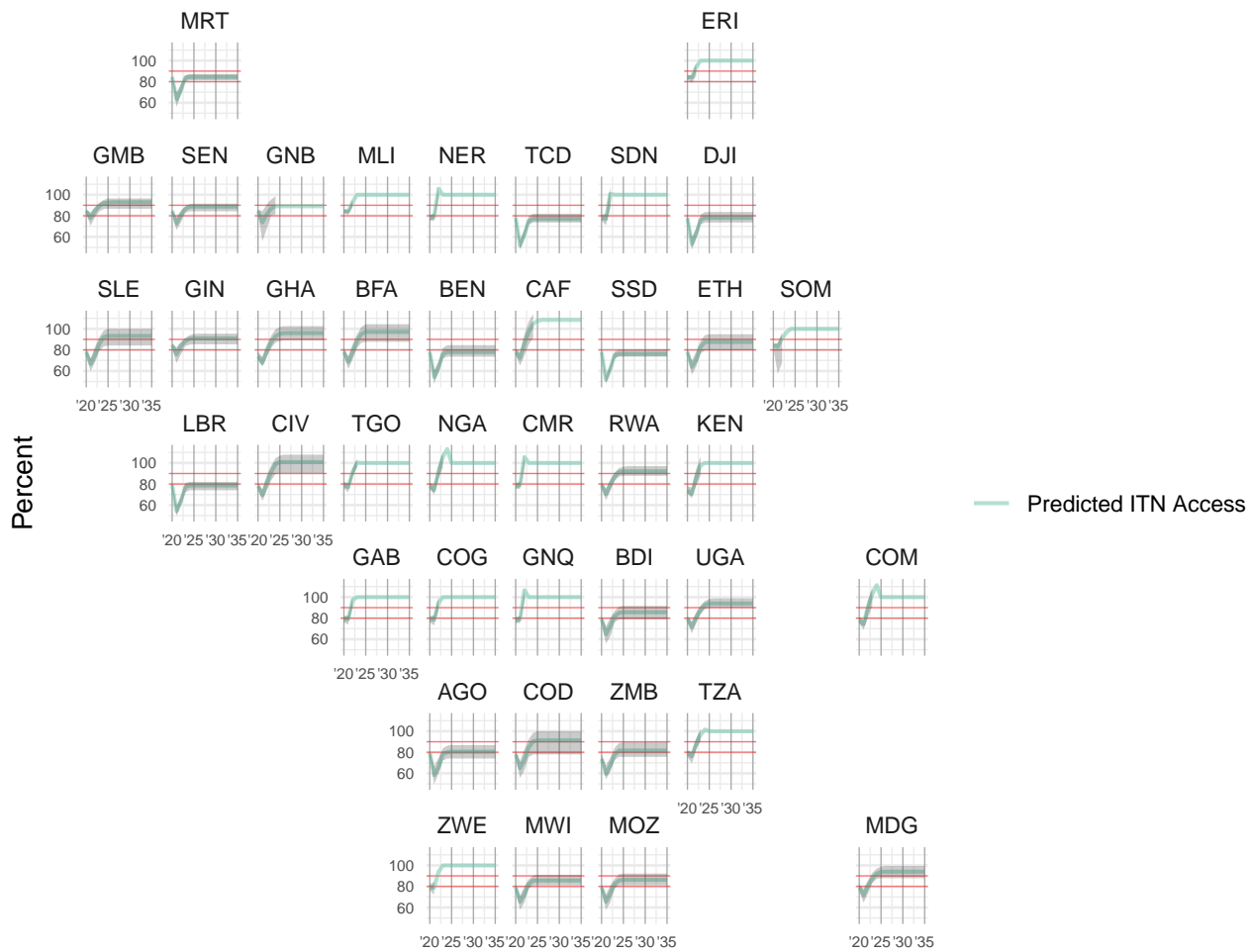
ANC/EPI at 6% and annual school/community distribution at 31 % of the population



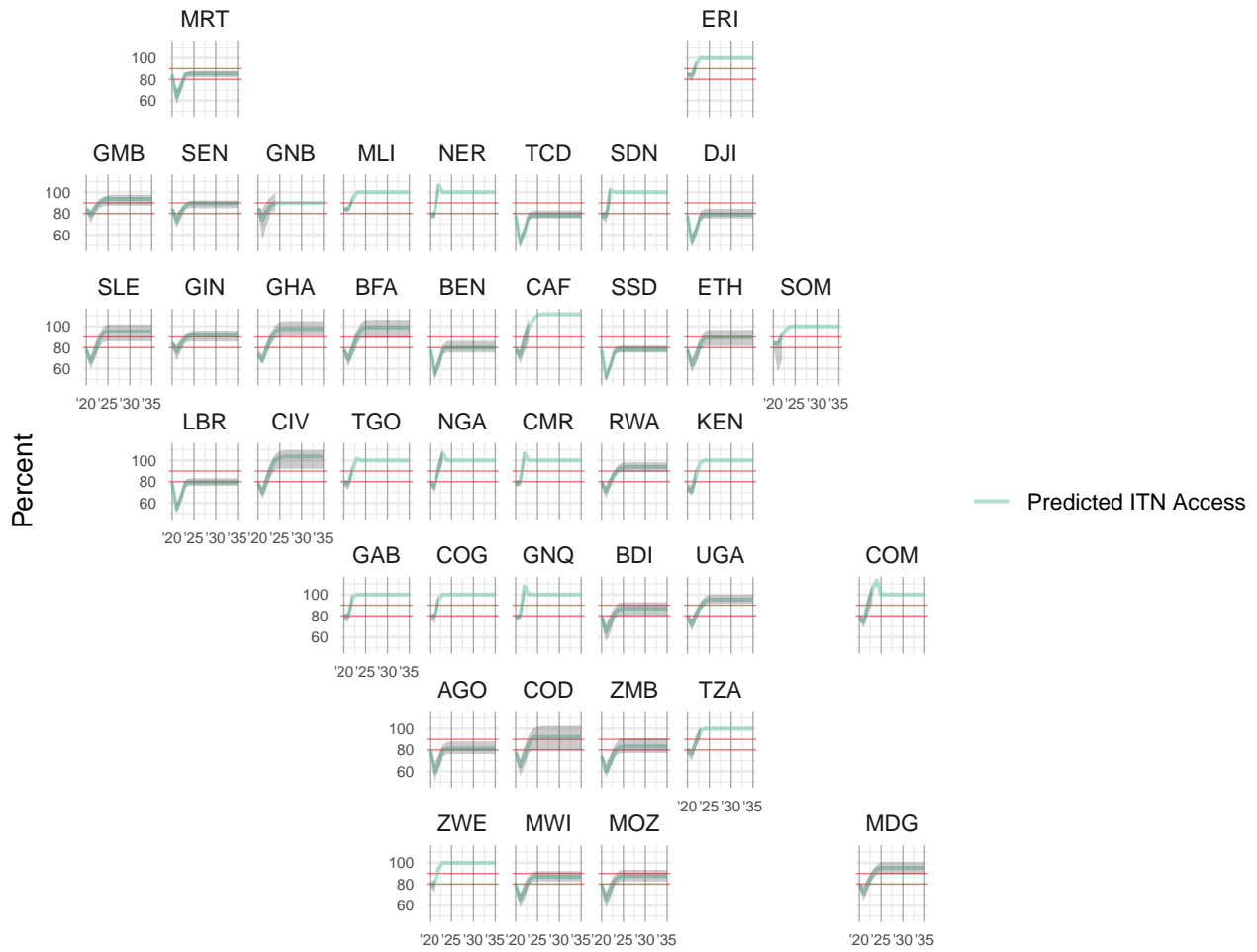
ANC/EPI at 6% and annual school/community distribution at 32 % of the population



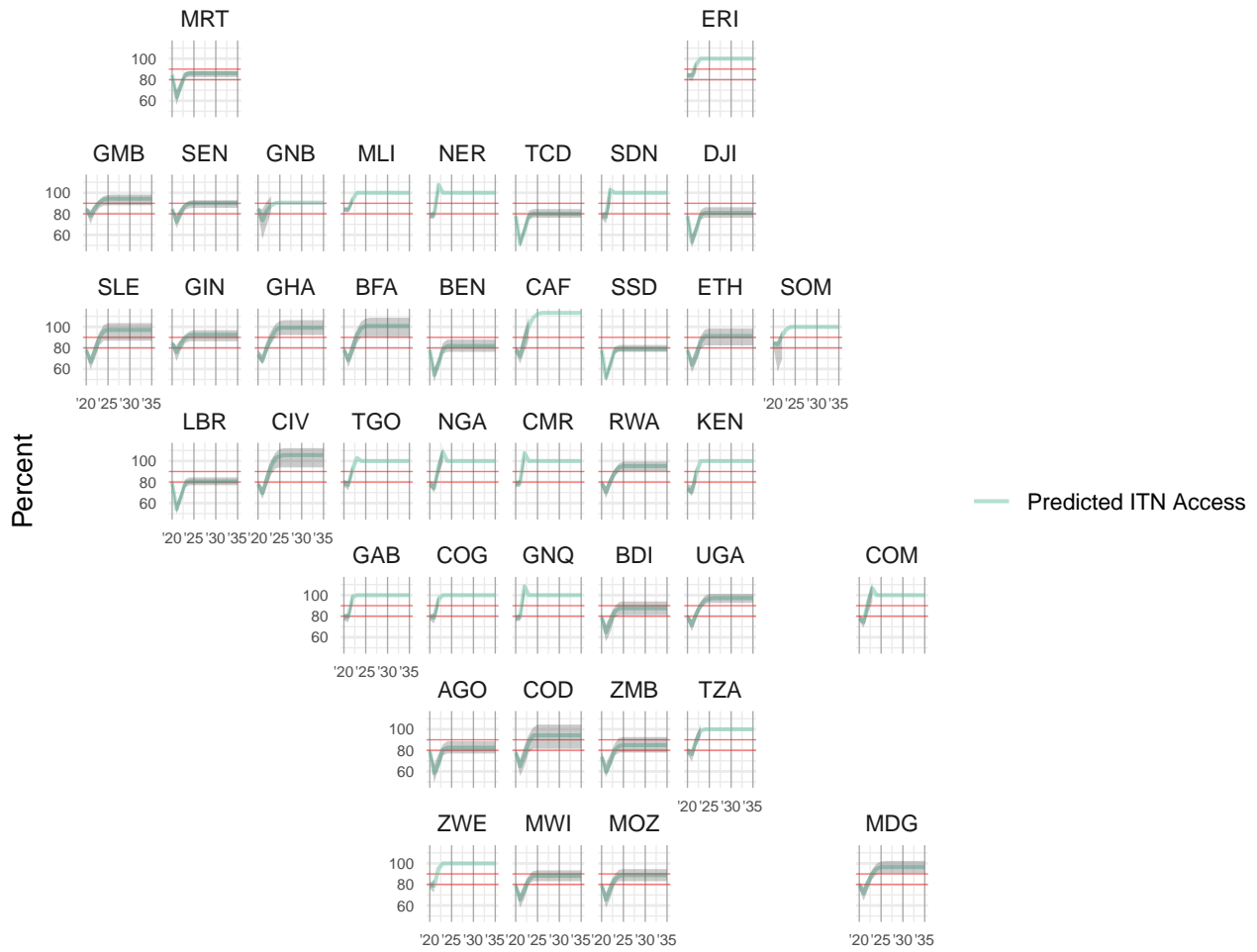
ANC/EPI at 6% and annual school/community distribution at 33 % of the population



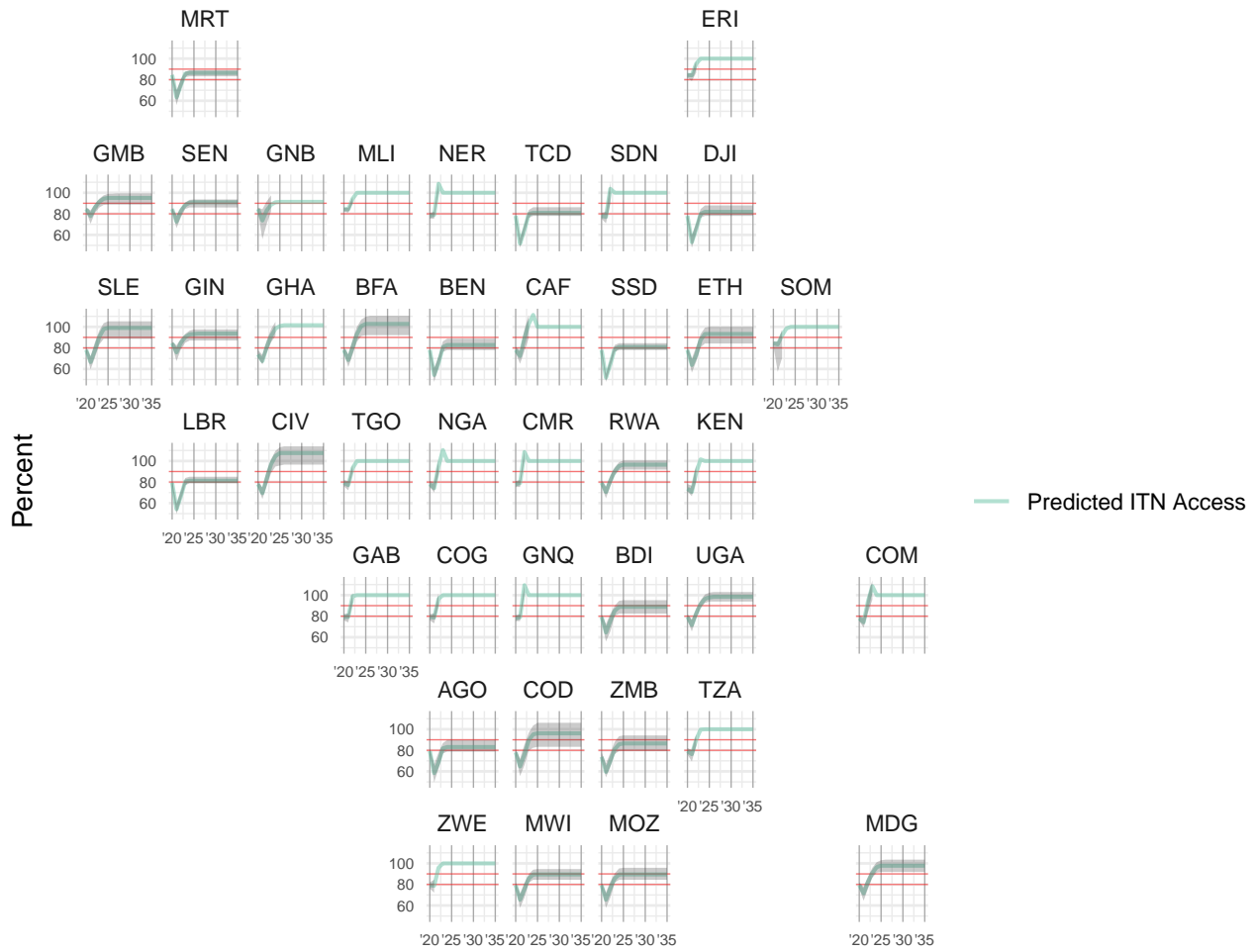
ANC/EPI at 6% and annual school/community distribution at 34 % of the population



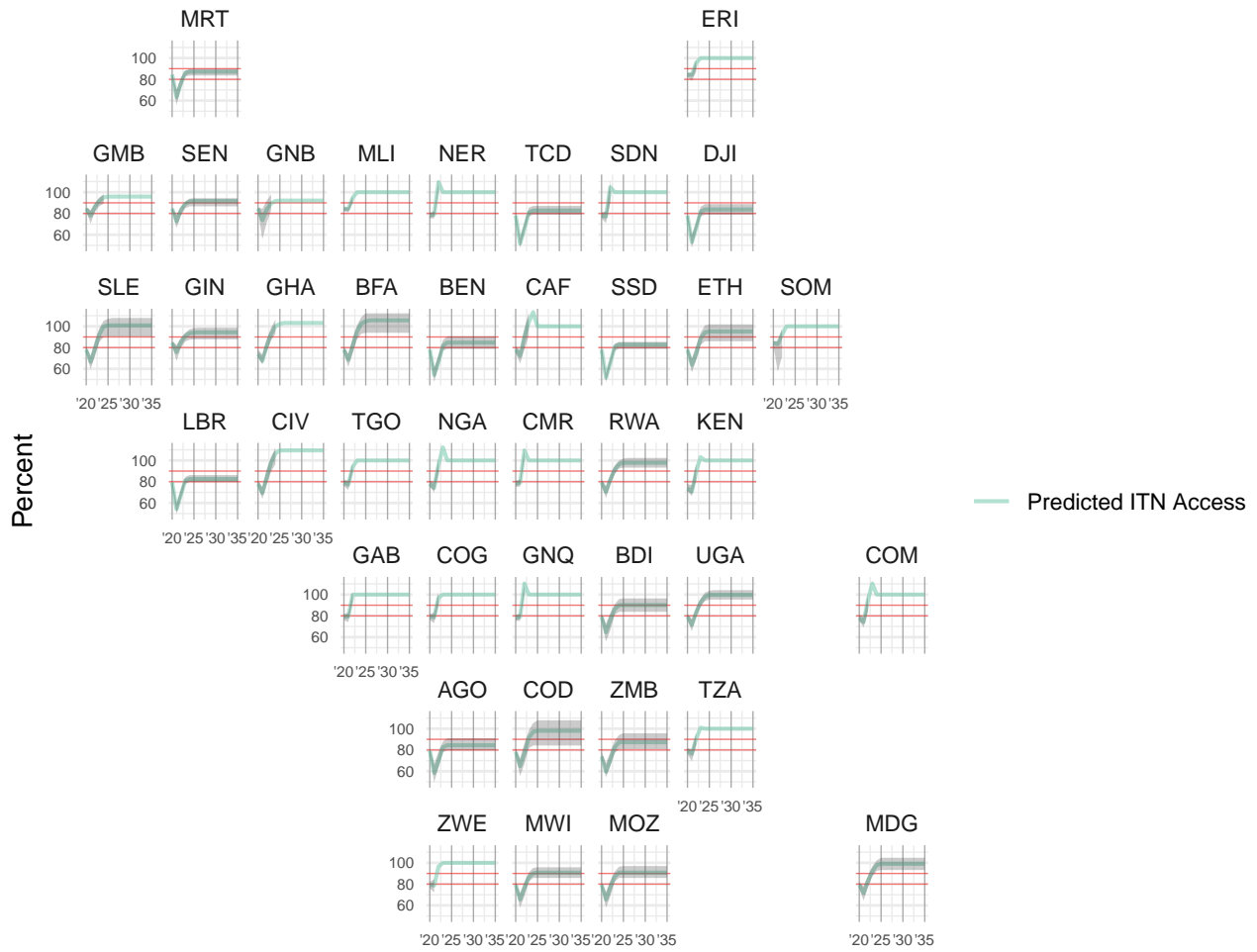
ANC/EPI at 6% and annual school/community distribution at 35% of the population



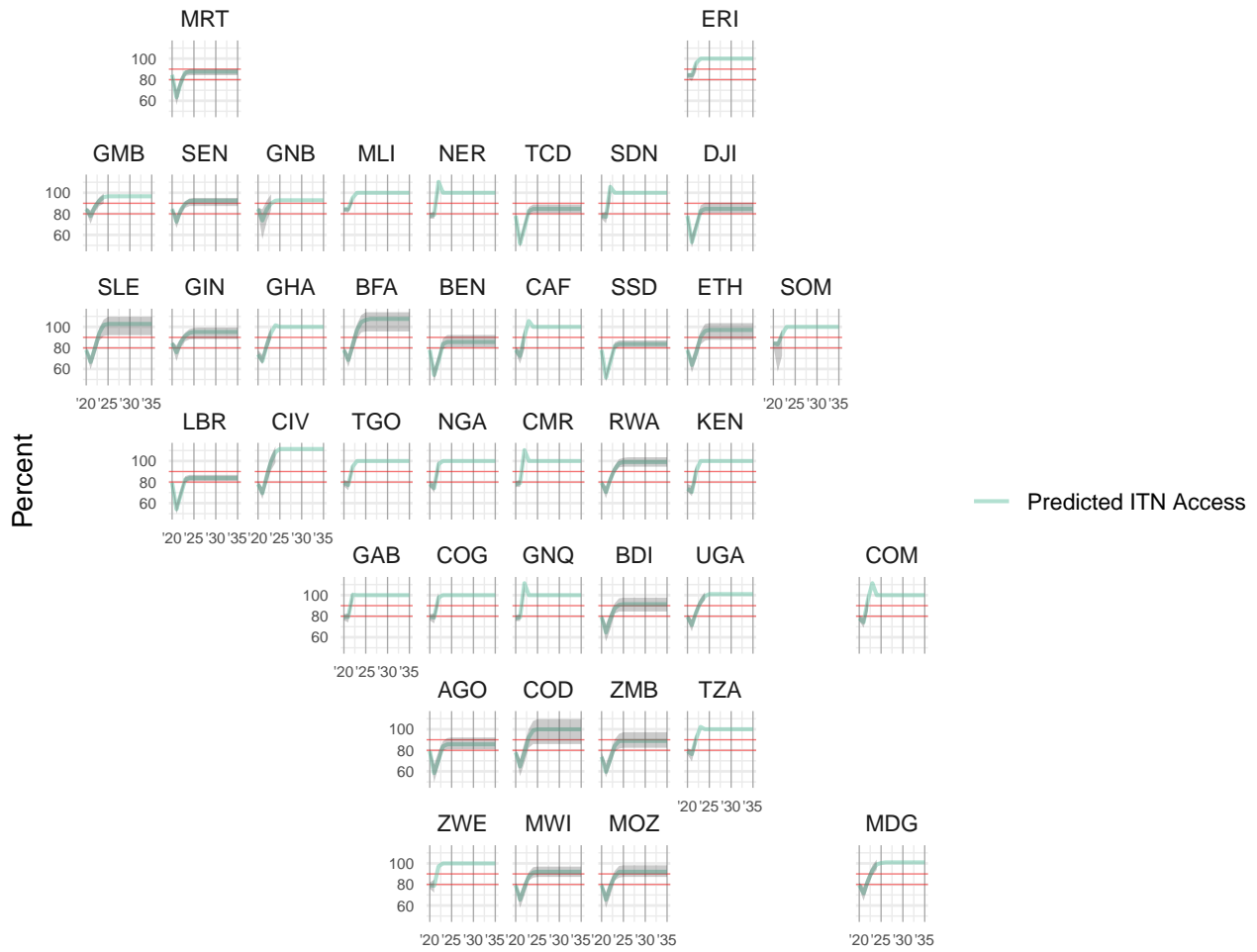
ANC/EPI at 6% and annual school/community distribution at 36 % of the population



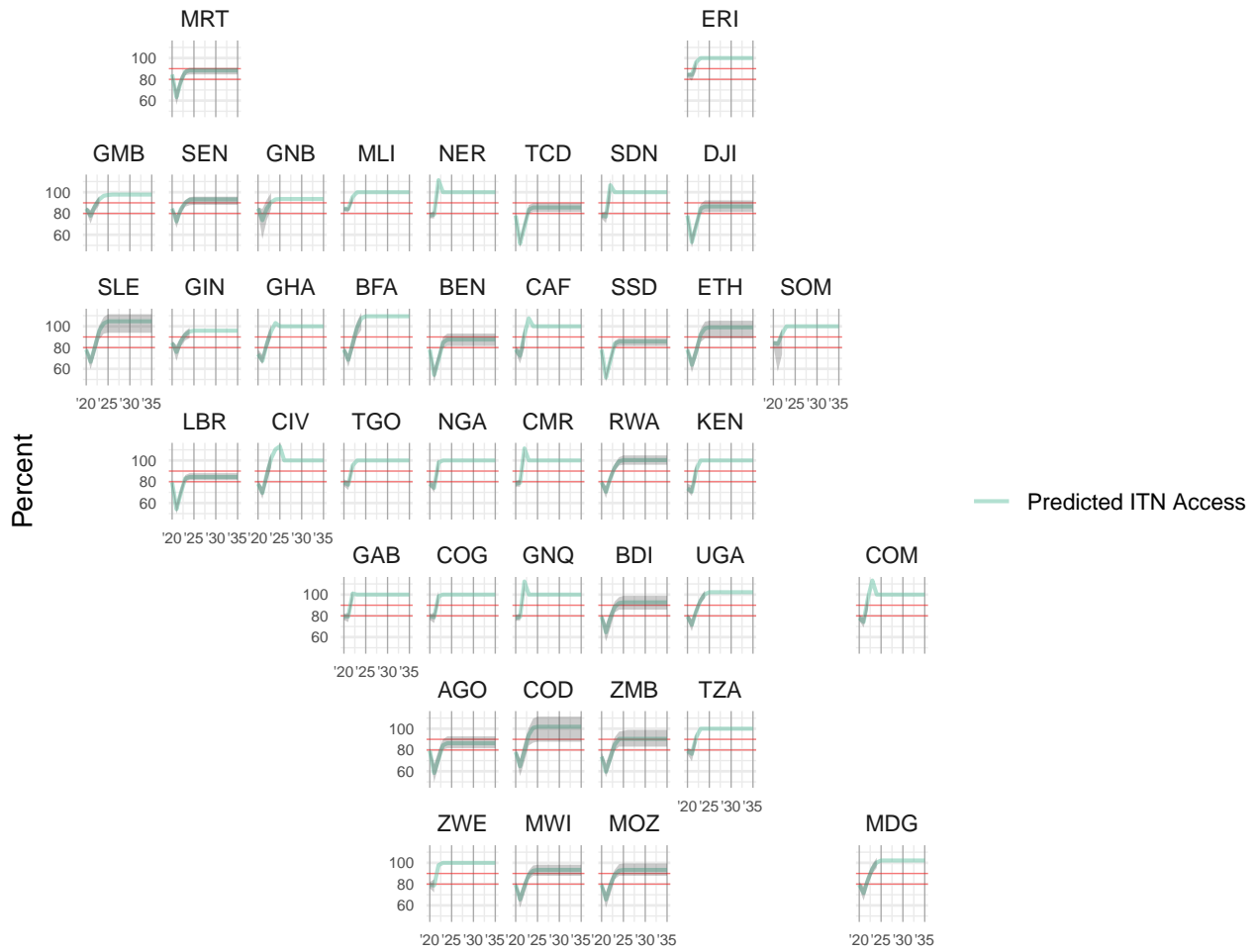
ANC/EPI at 6% and annual school/community distribution at 37 % of the population



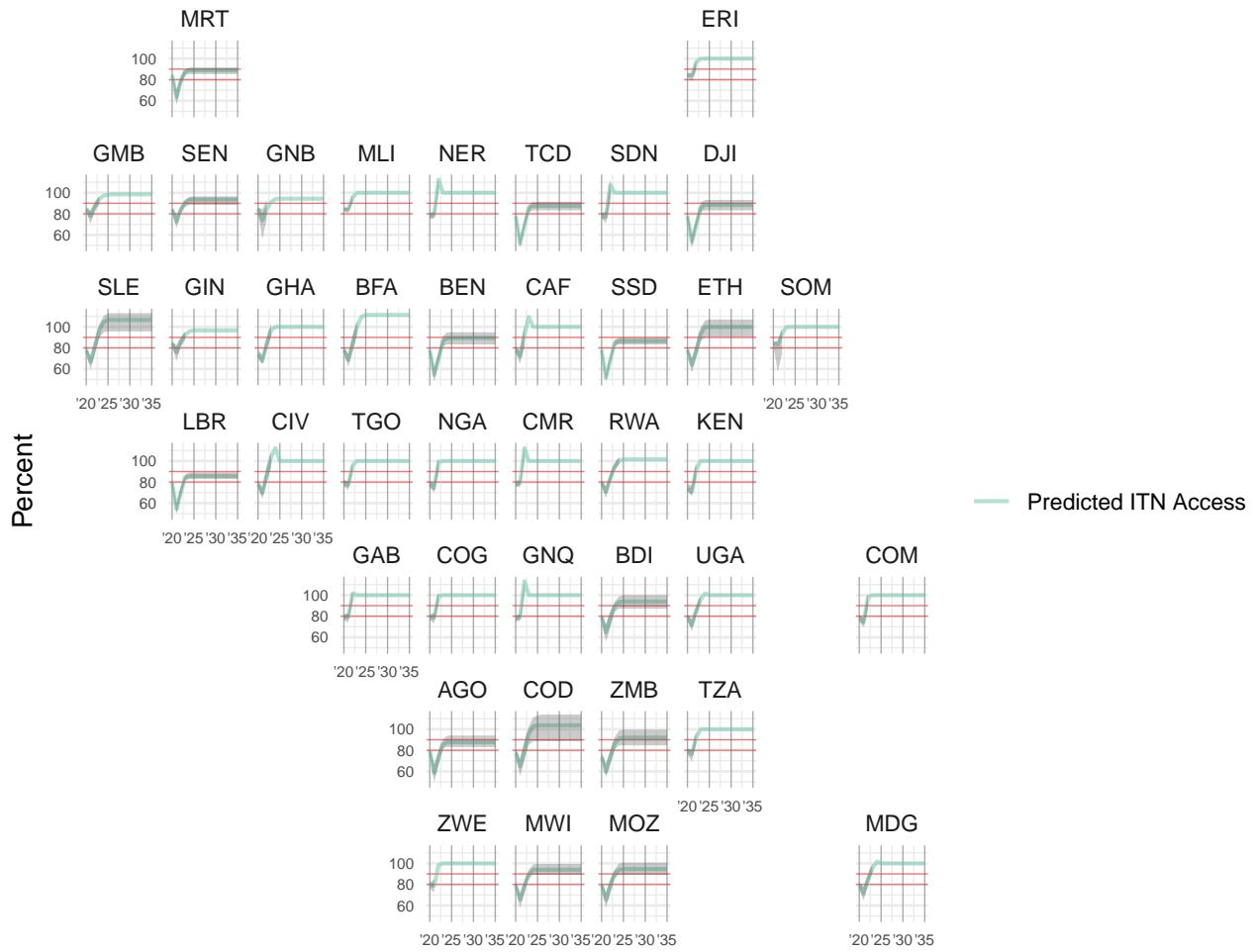
ANC/EPI at 6% and annual school/community distribution at 38 % of the population



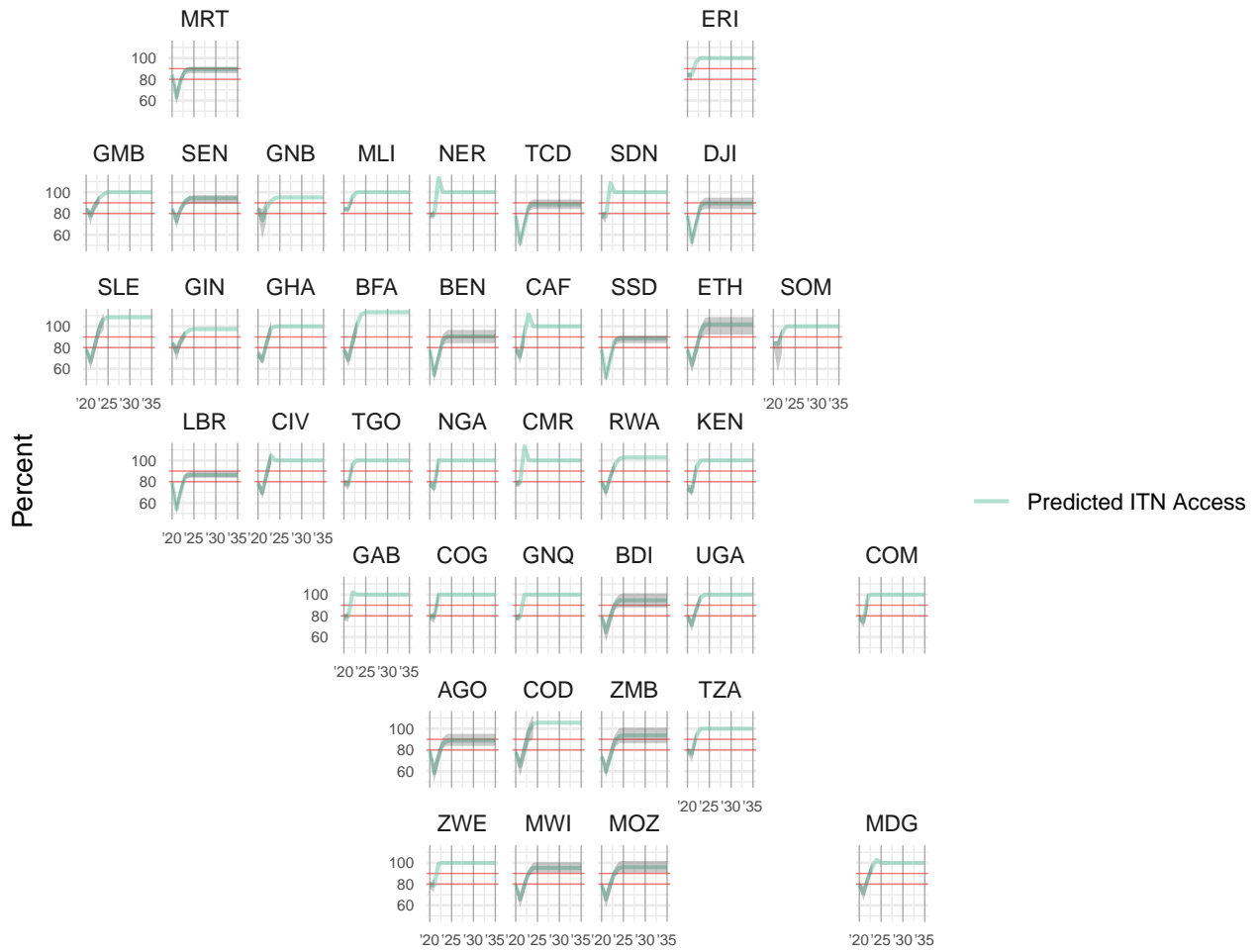
ANC/EPI at 6% and annual school/community distribution at 39 % of the population



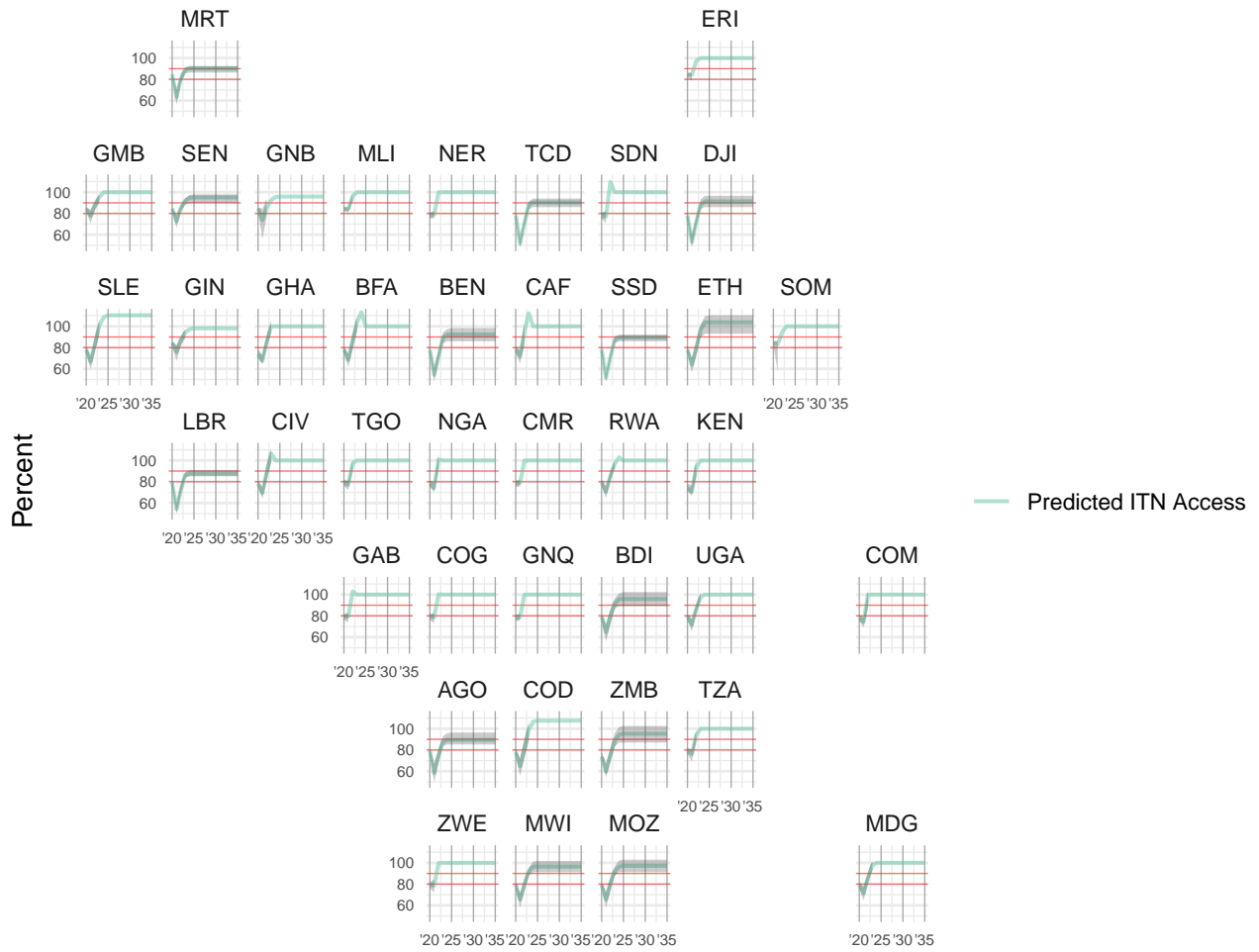
ANC/EPI at 6% and annual school/community distribution at 40 % of the population



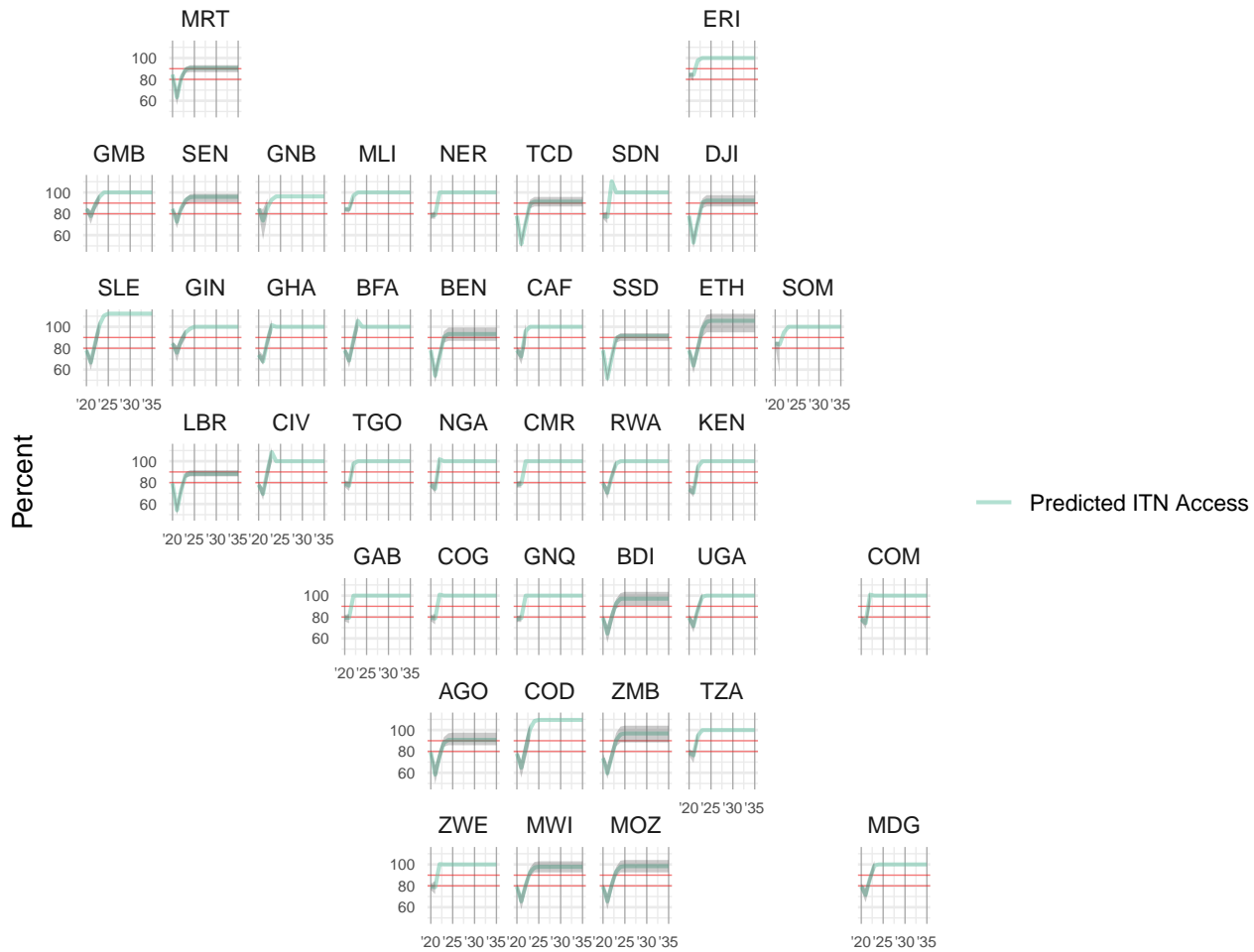
ANC/EPI at 6% and annual school/community distribution at 41 % of the population



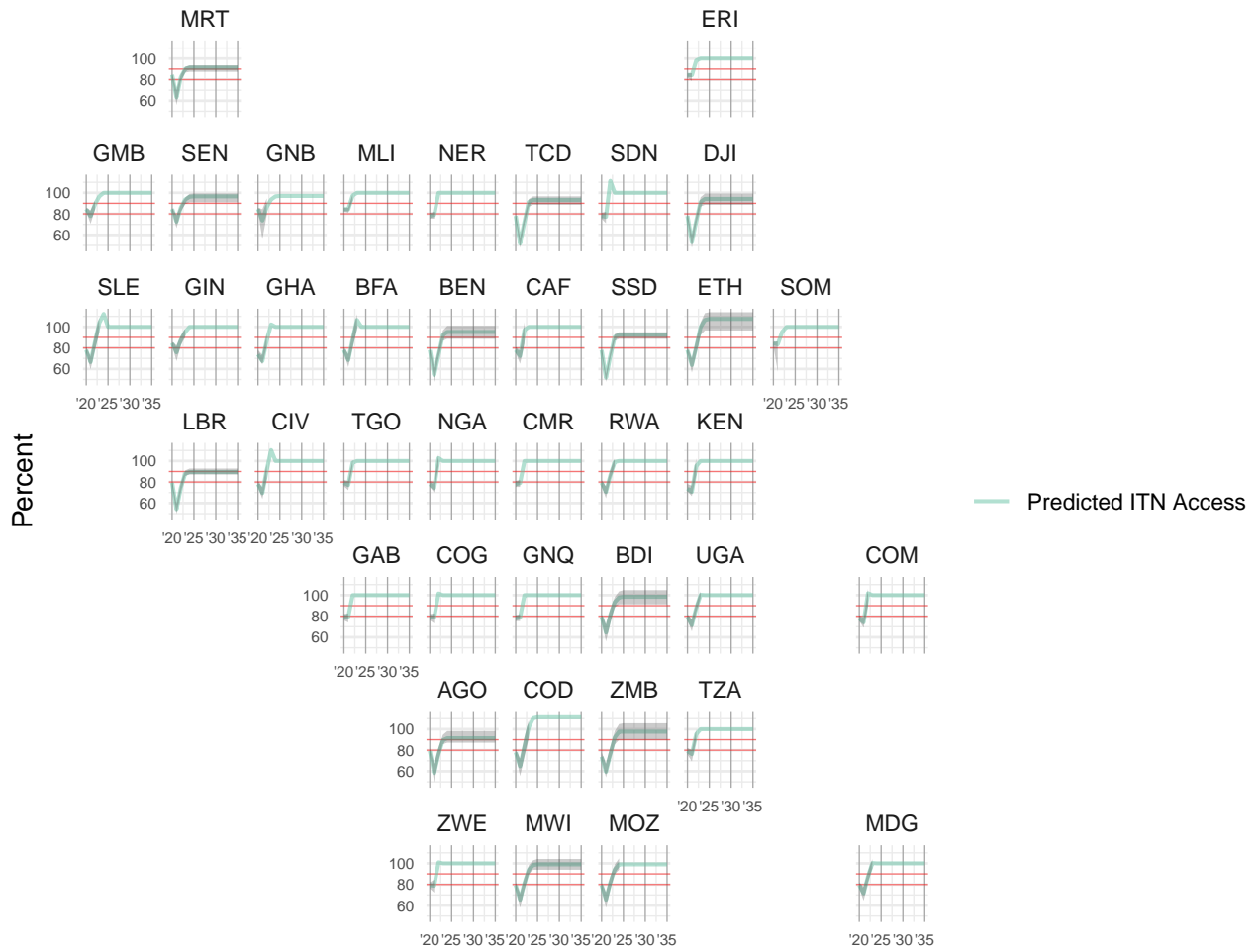
ANC/EPI at 6% and annual school/community distribution at 42 % of the population



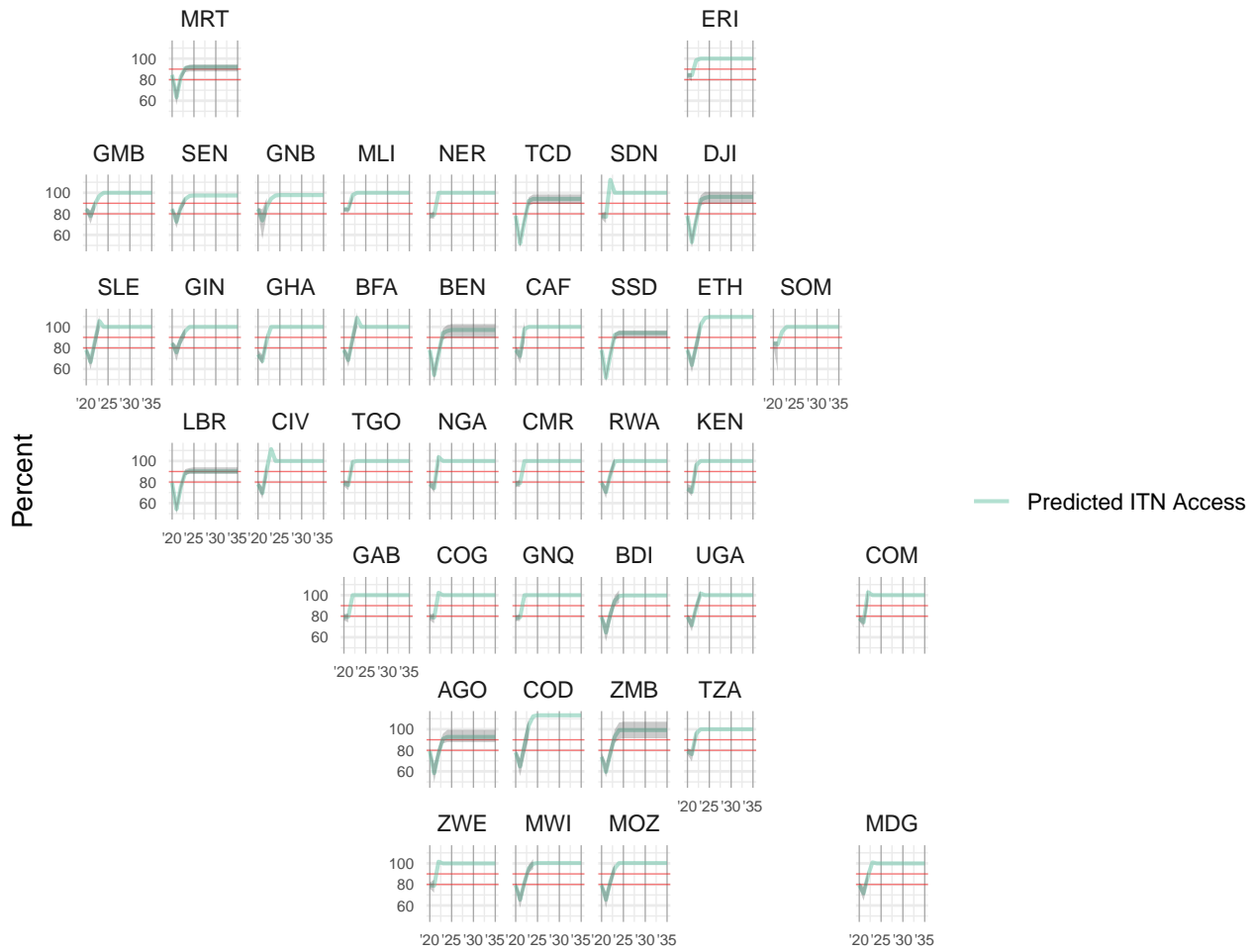
ANC/EPI at 6% and annual school/community distribution at 43 % of the population



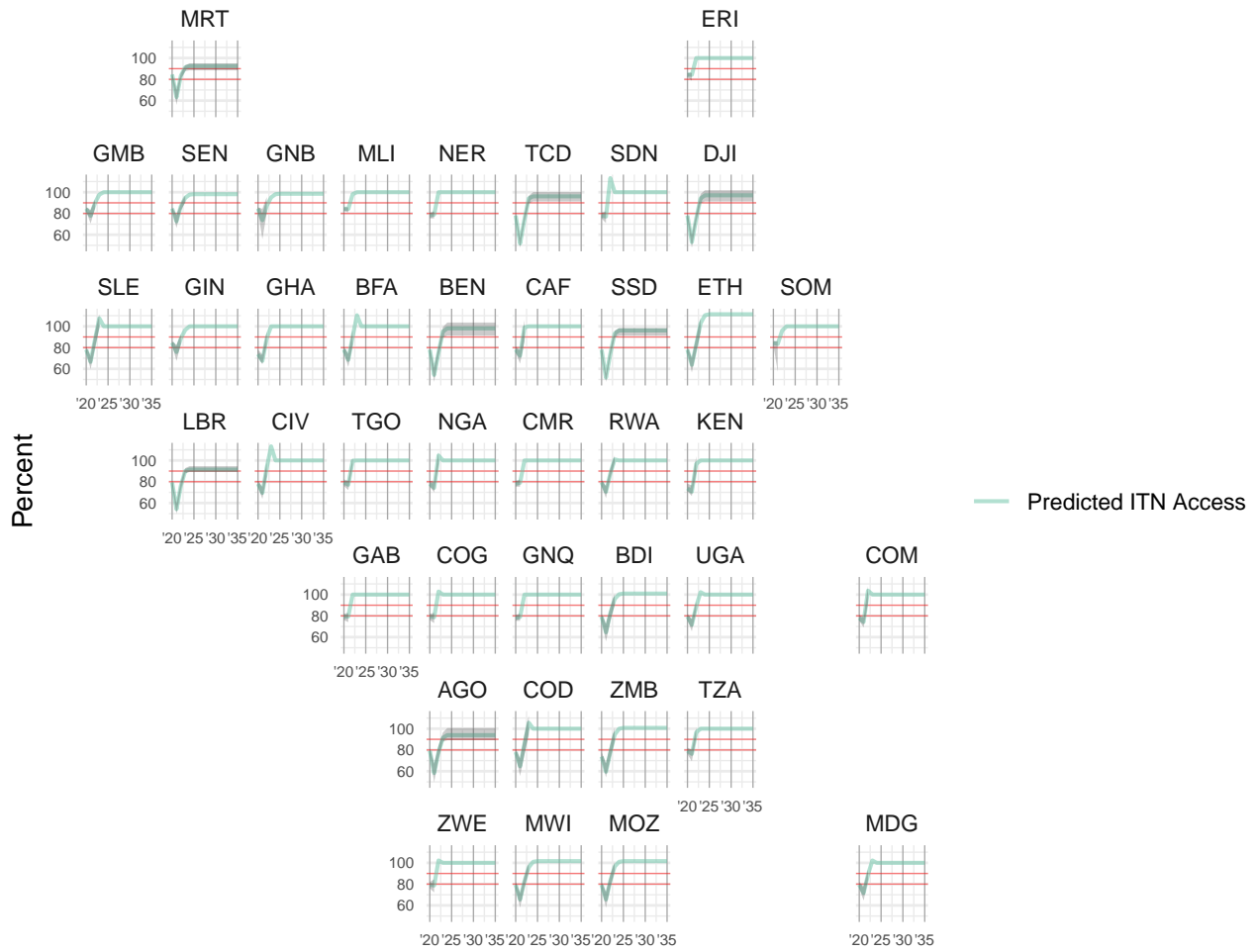
ANC/EPI at 6% and annual school/community distribution at 44 % of the population



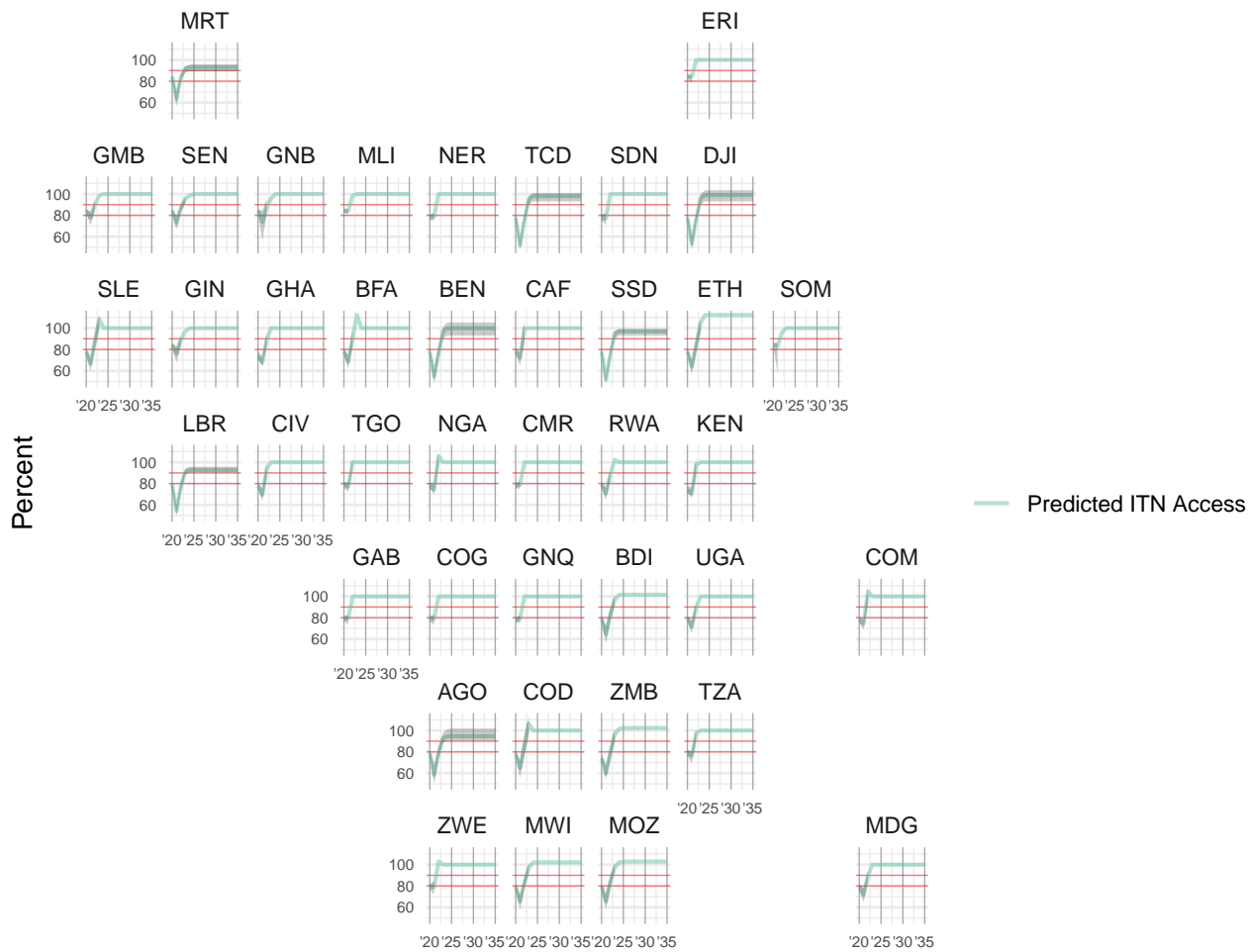
ANC/EPI at 6% and annual school/community distribution at 45 % of the population



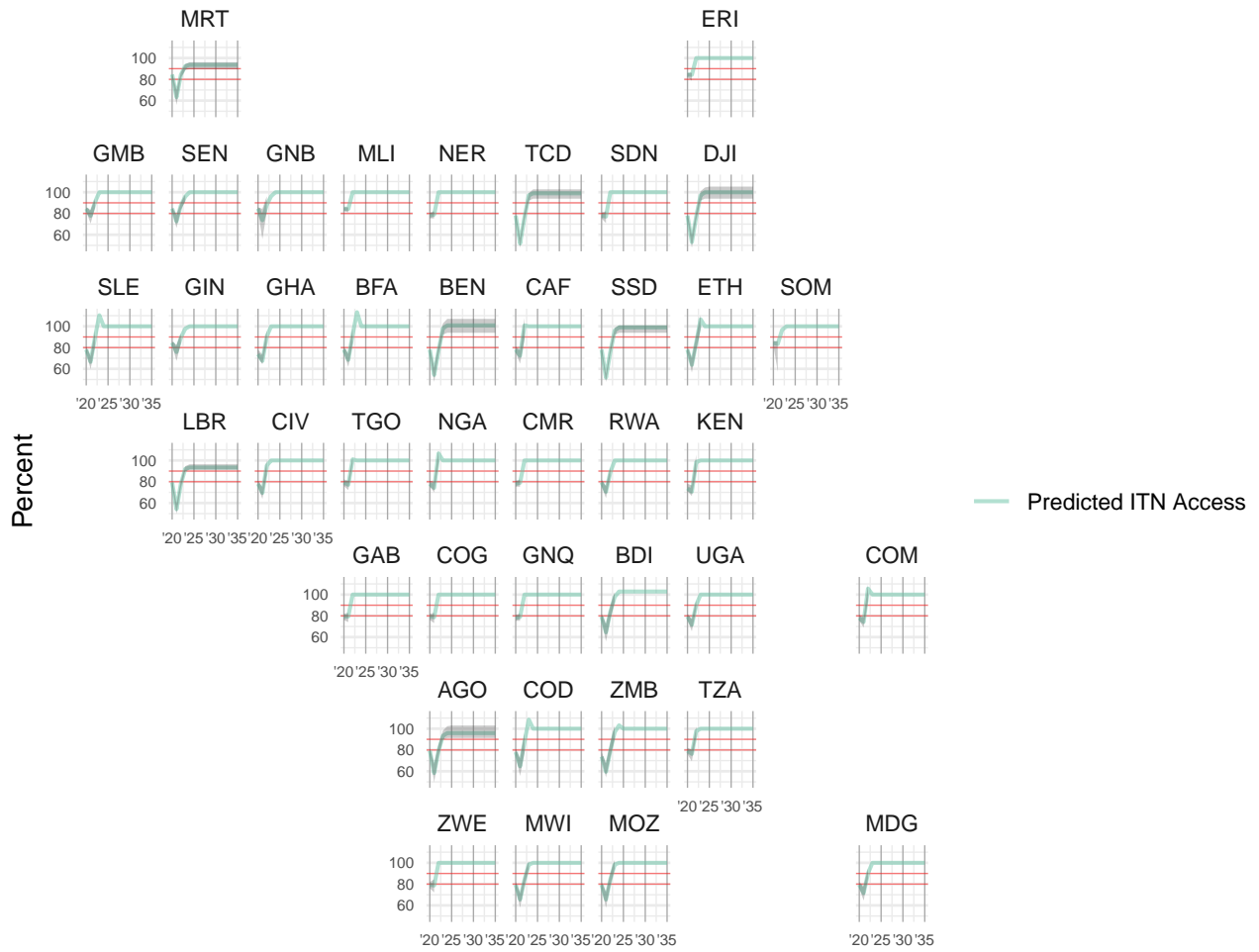
ANC/EPI at 6% and annual school/community distribution at 46 % of the population



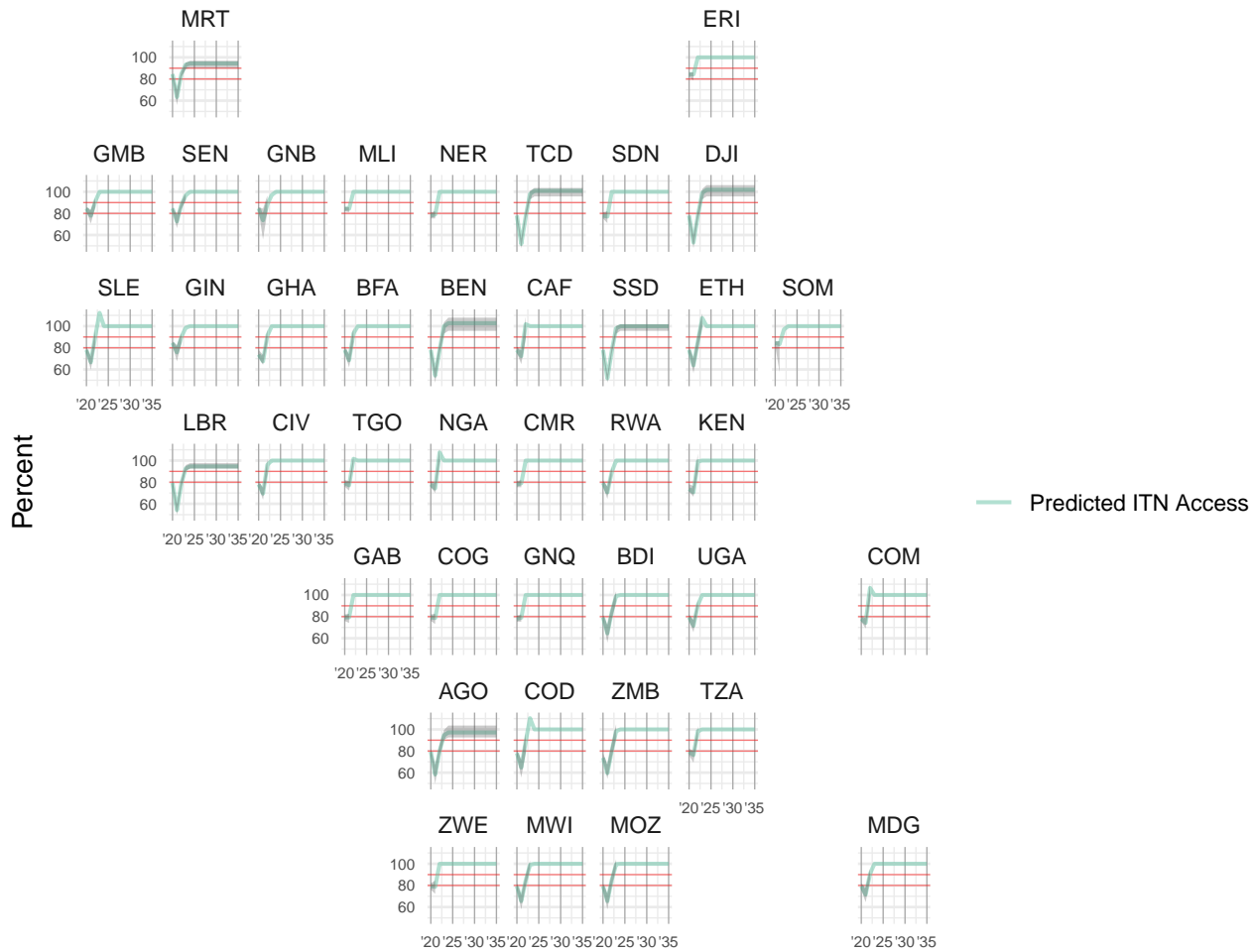
ANC/EPI at 6% and annual school/community distribution at 47 % of the population



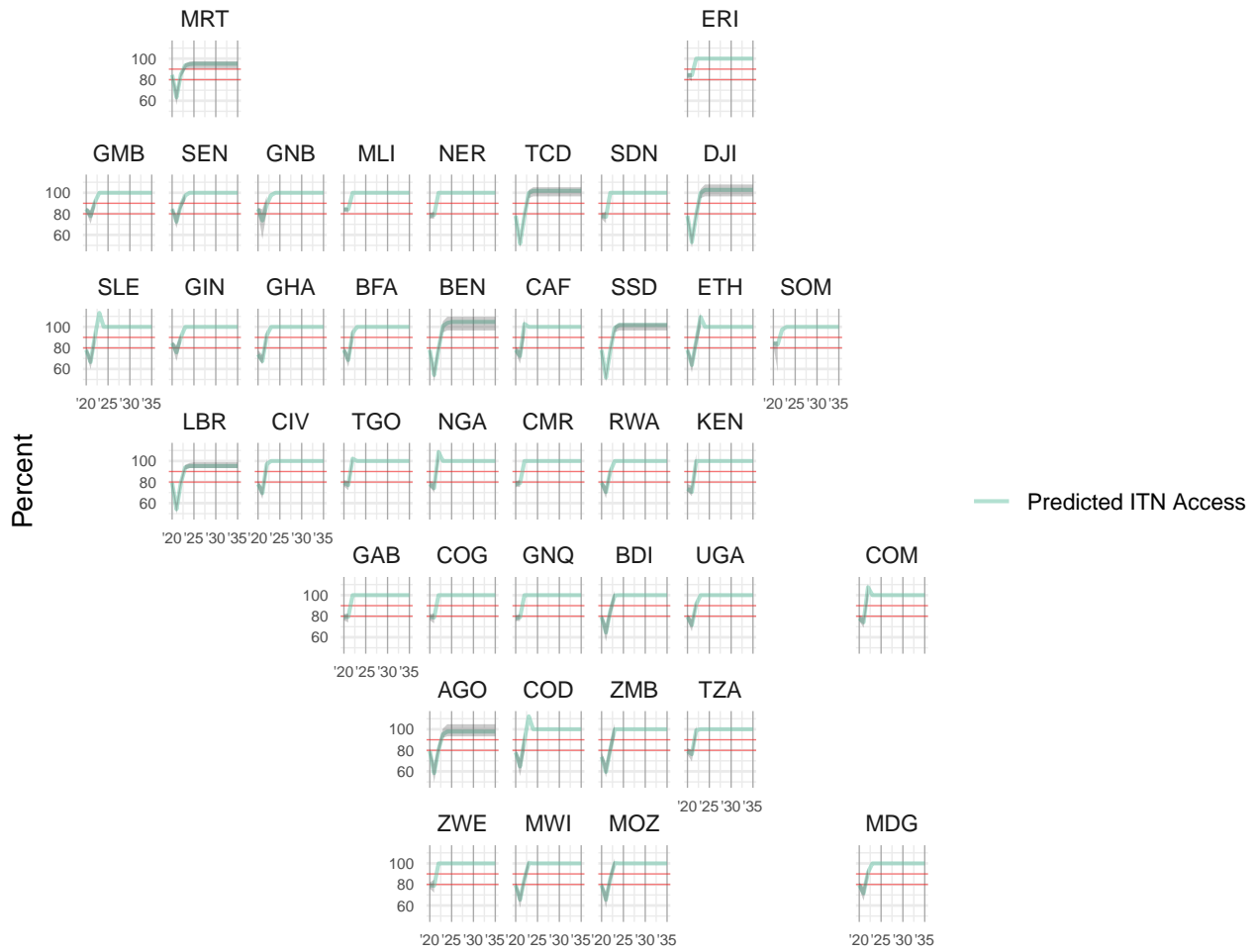
ANC/EPI at 6% and annual school/community distribution at 48 % of the population



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

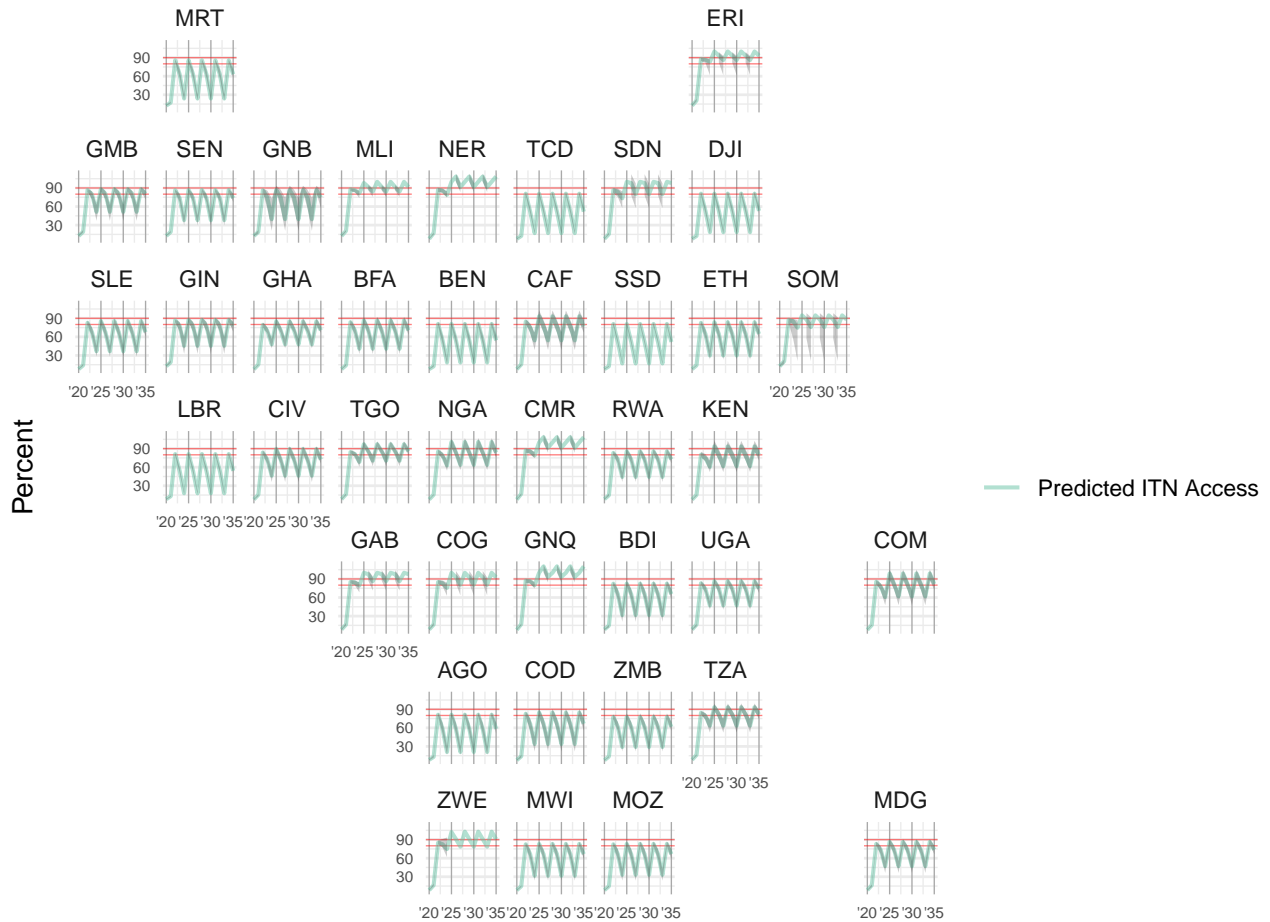


ANC/EPI at 6% and annual school/community distribution at 50% of the population

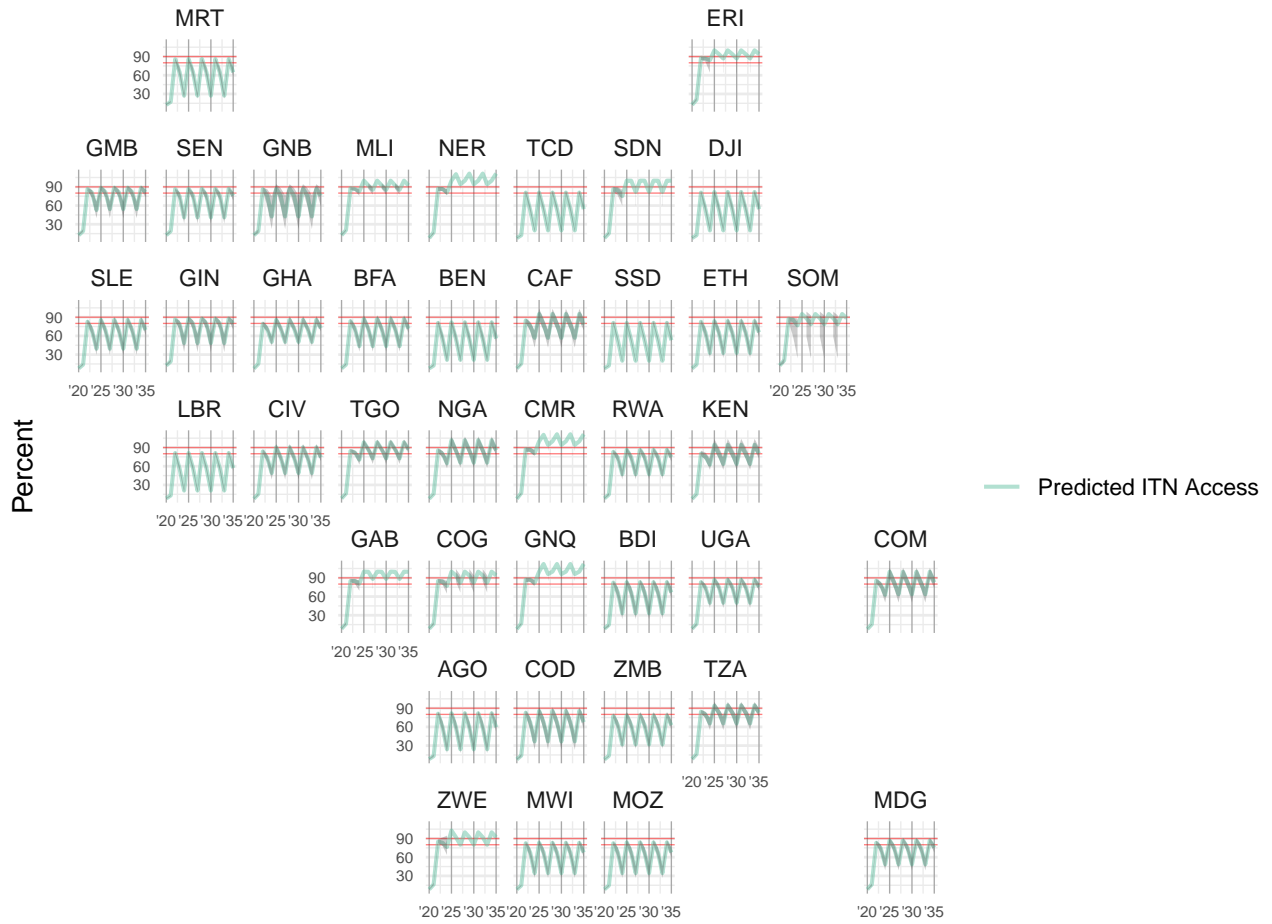


3 Scenario 3 - Three-year mass campaigns with ANC/EPI distribution at 6%, varying annual school/community distribution between campaigns

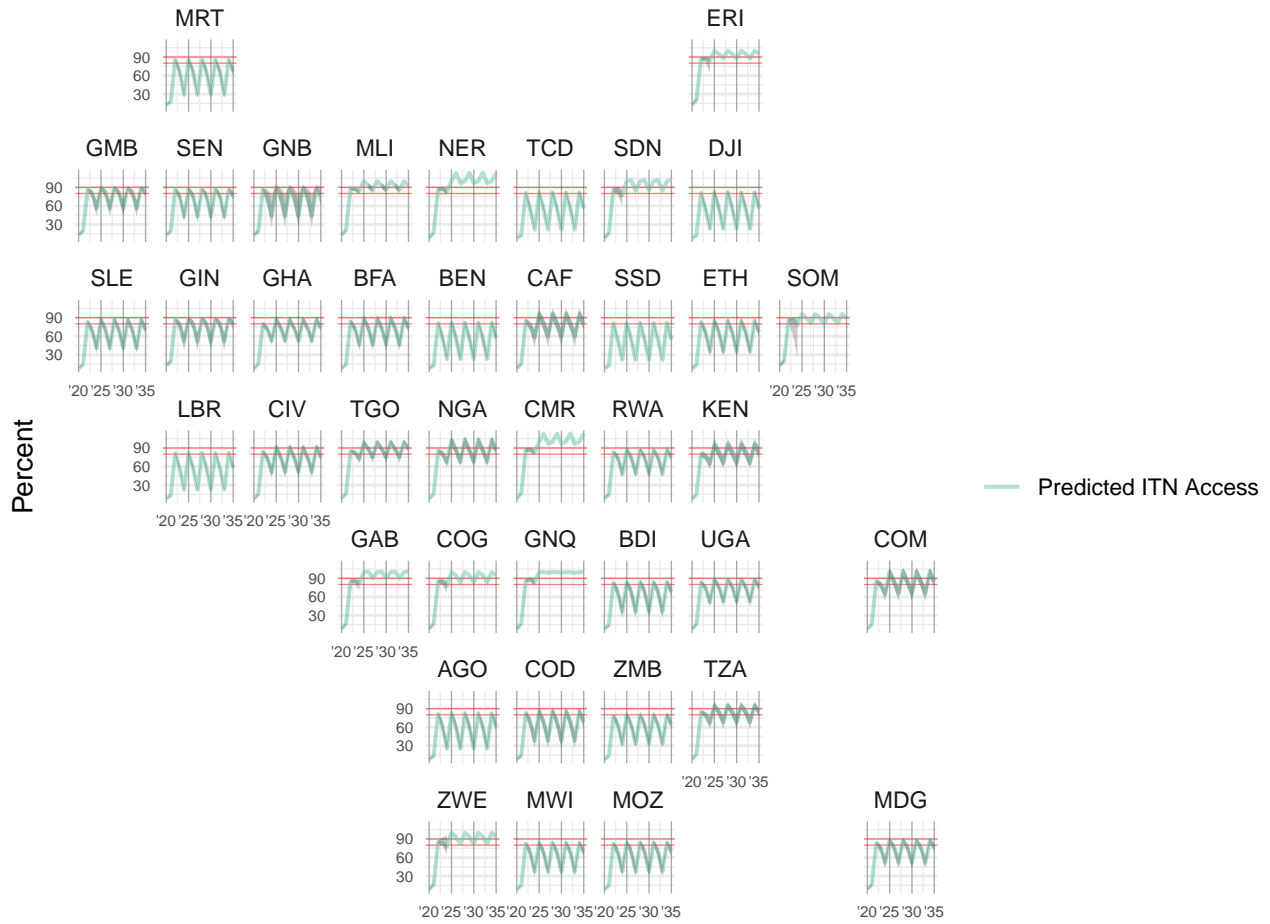
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 0% of the population



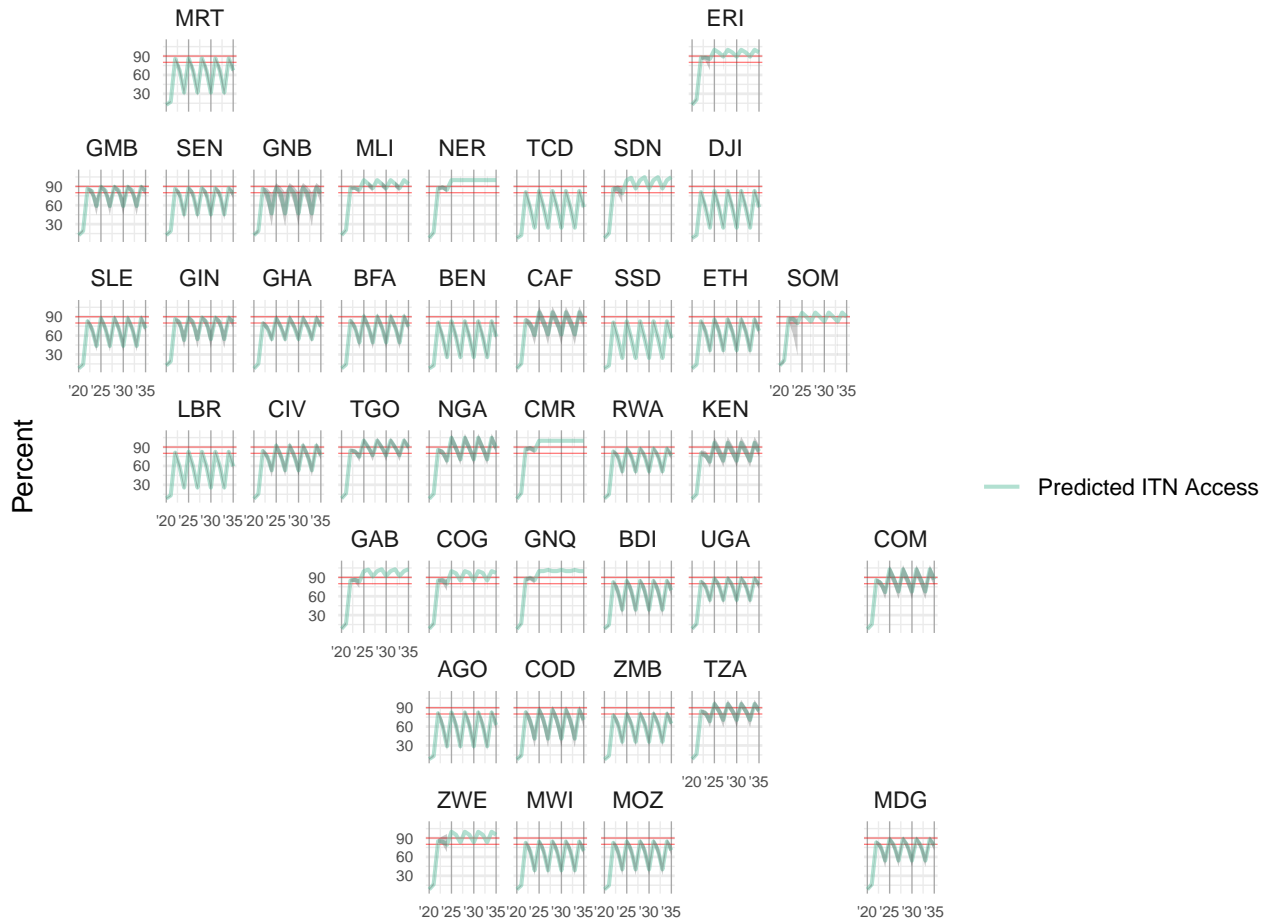
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 1 % of the population



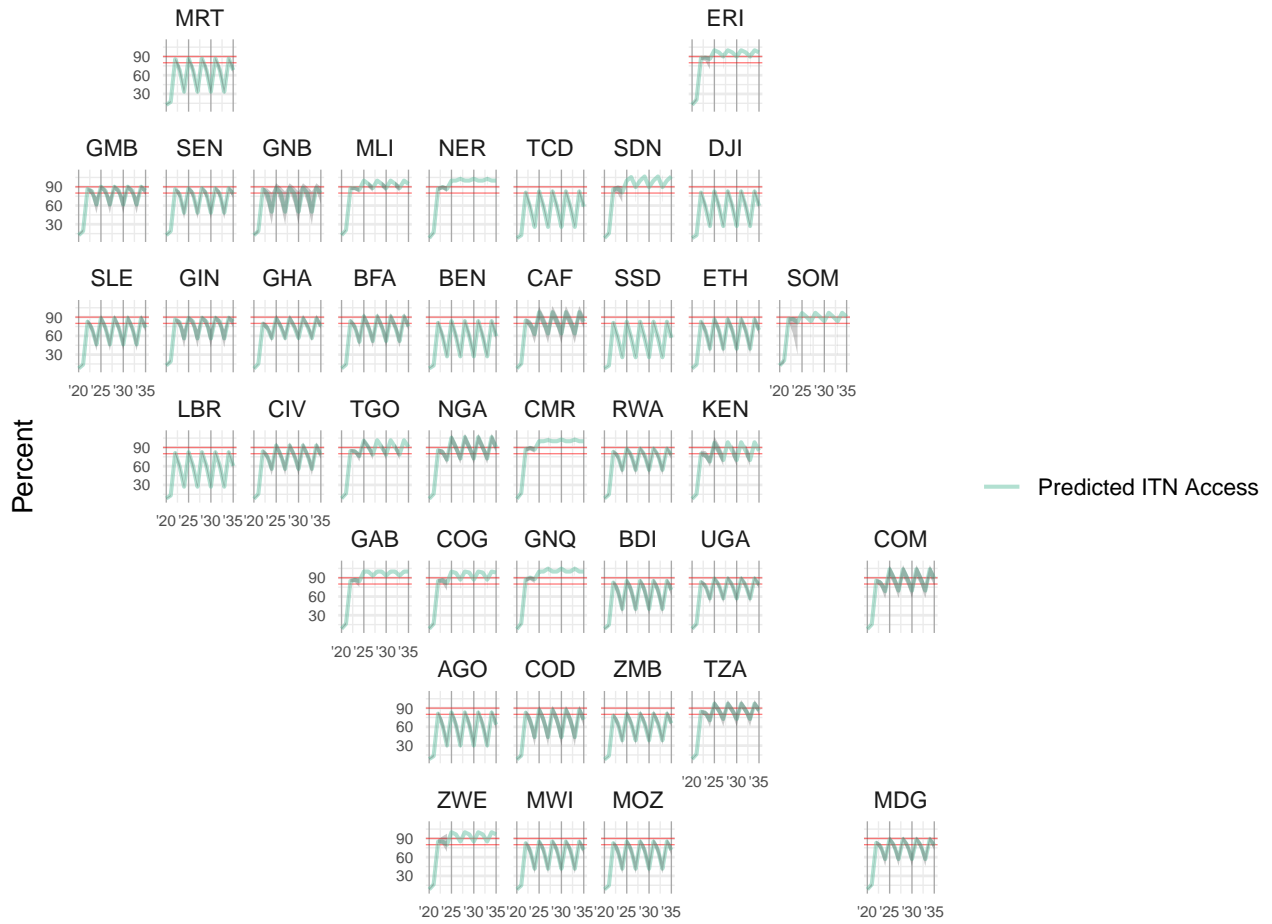
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 2 % of the population



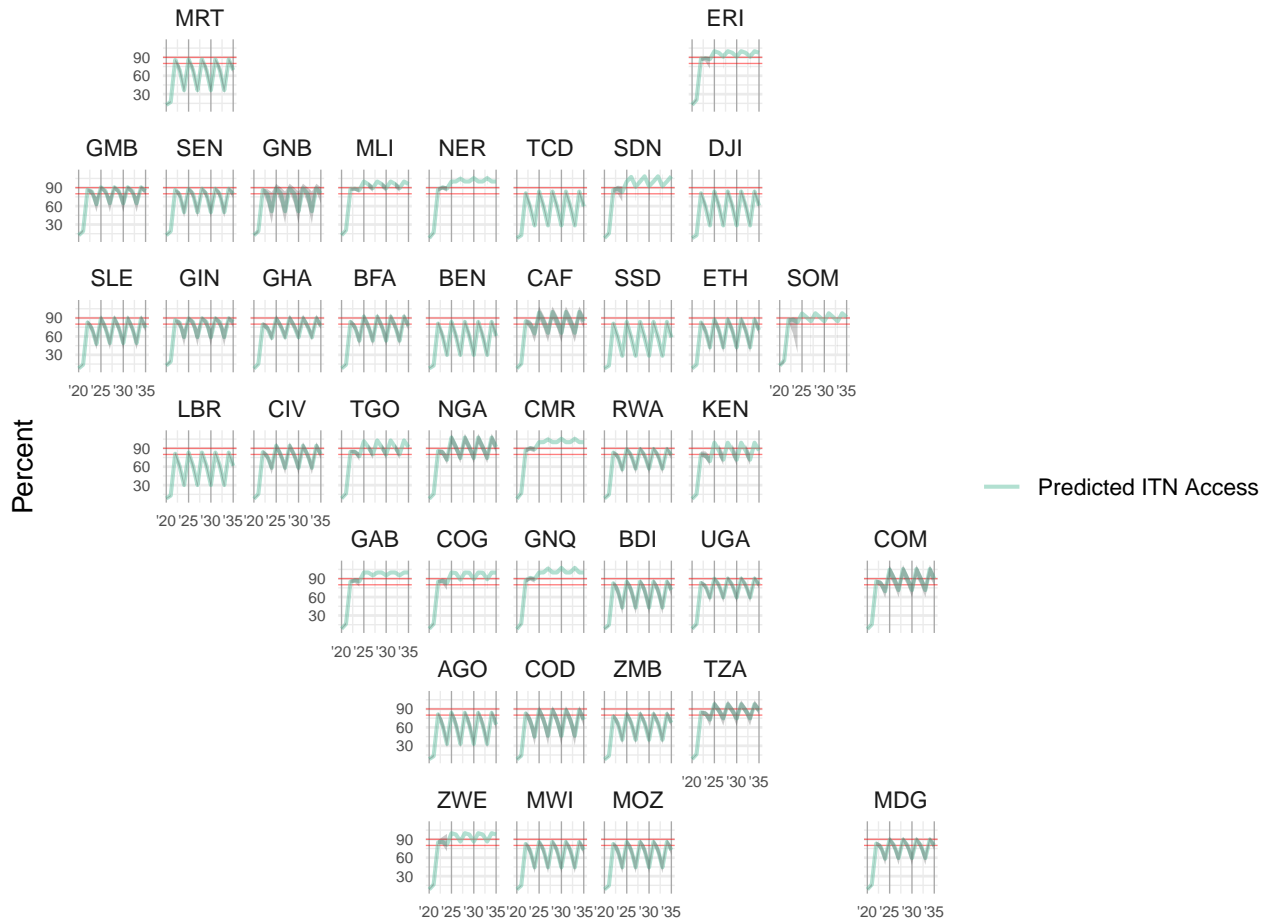
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 3% of the population



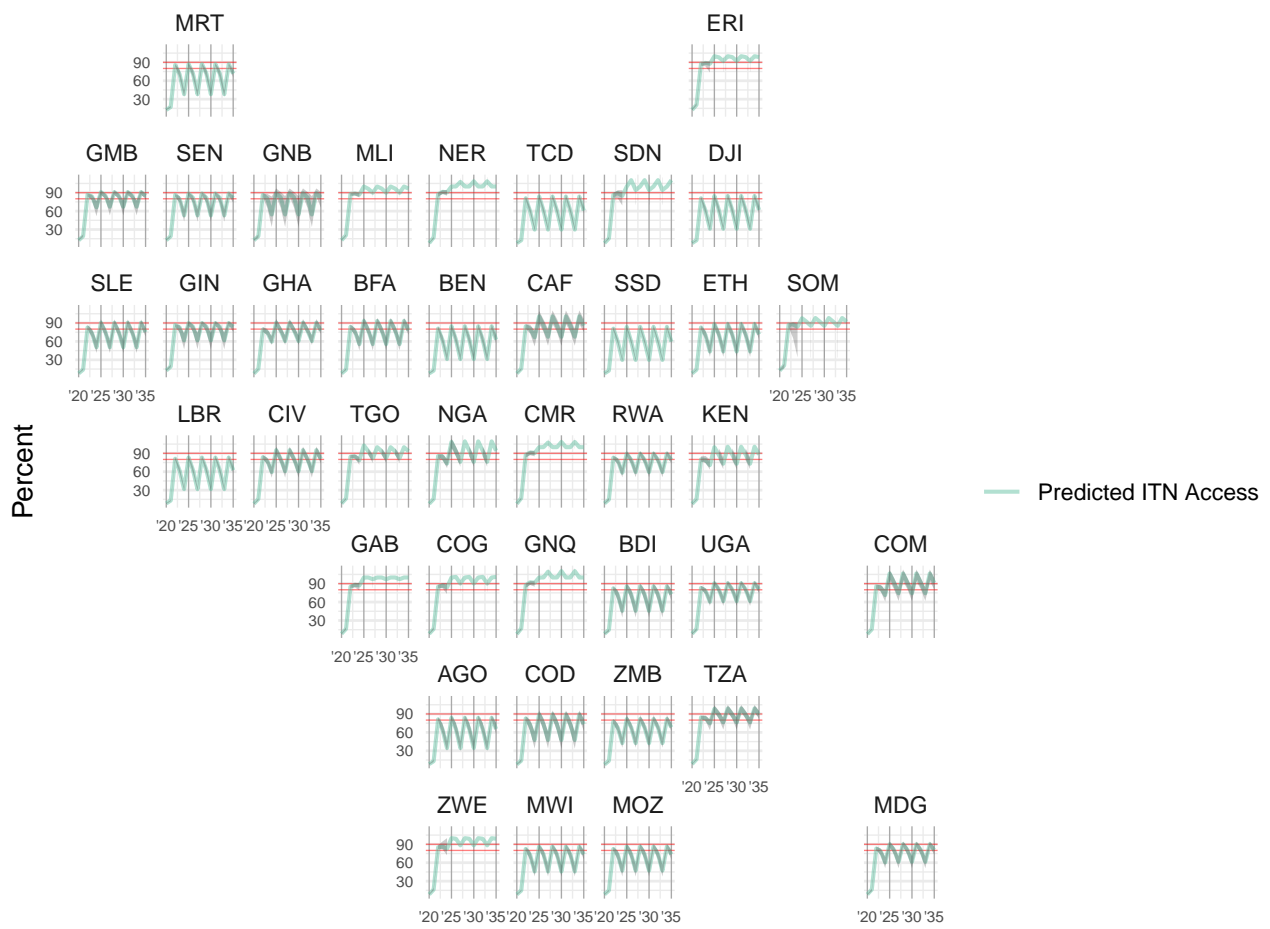
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 4 % of the population



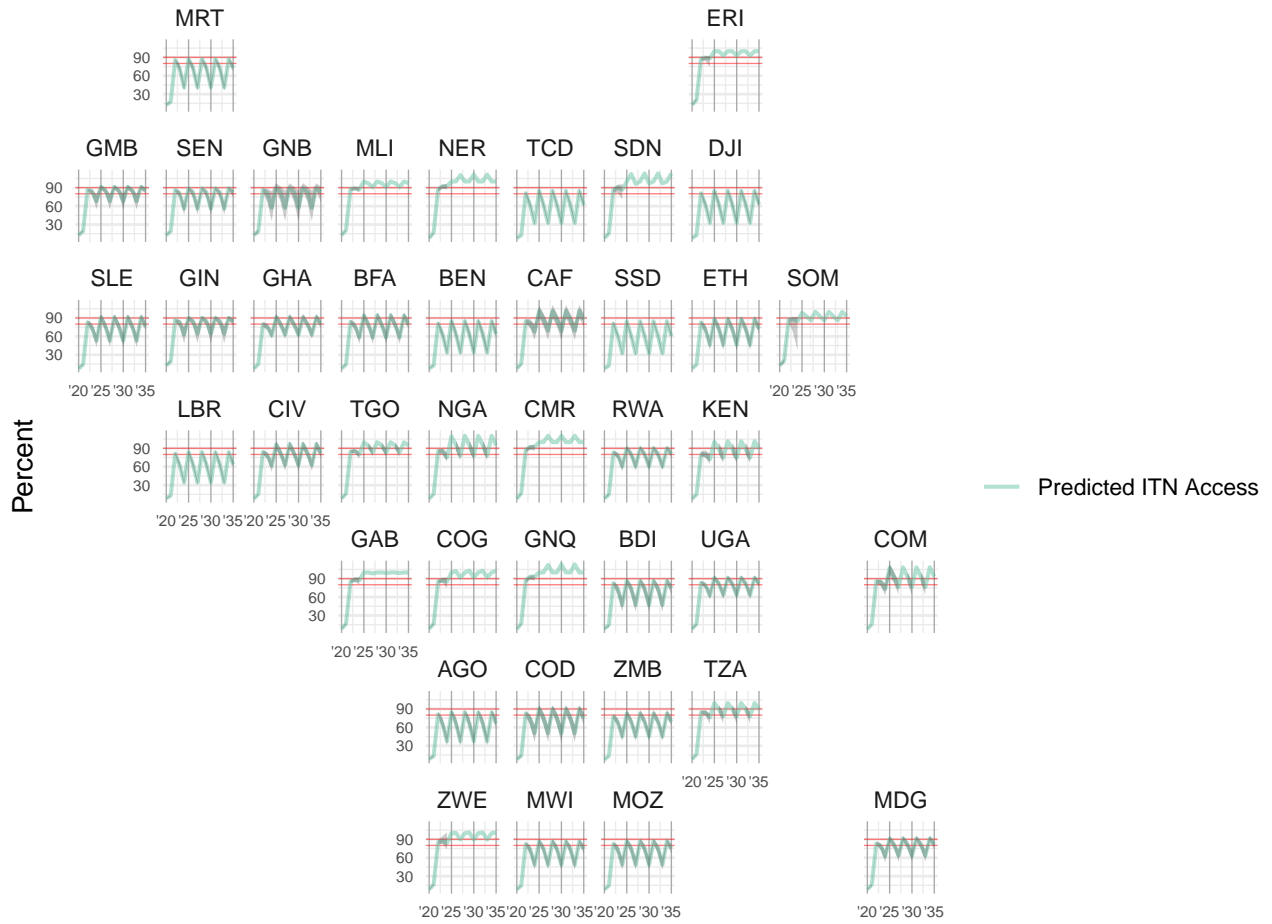
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 5 % of the population



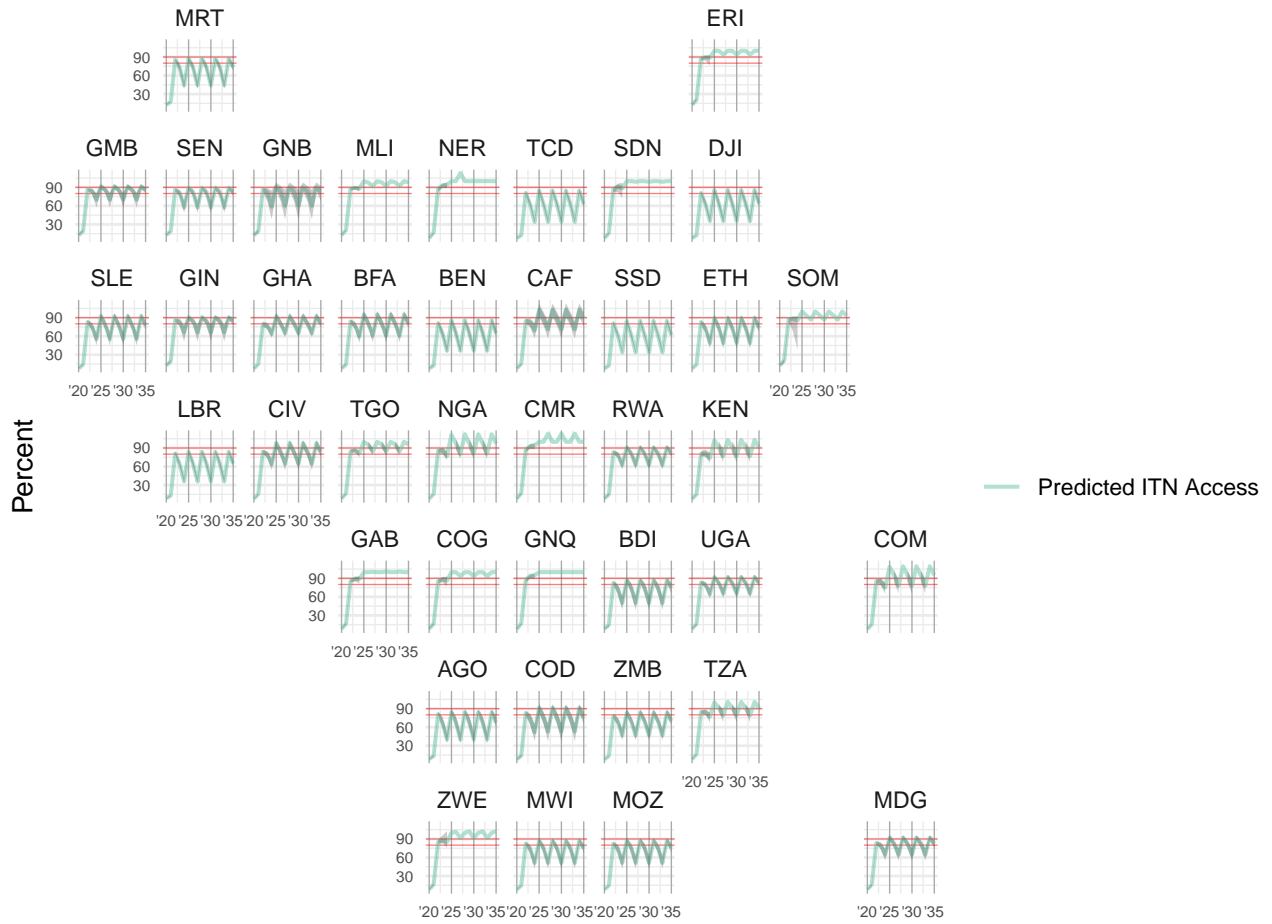
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 6% of the population



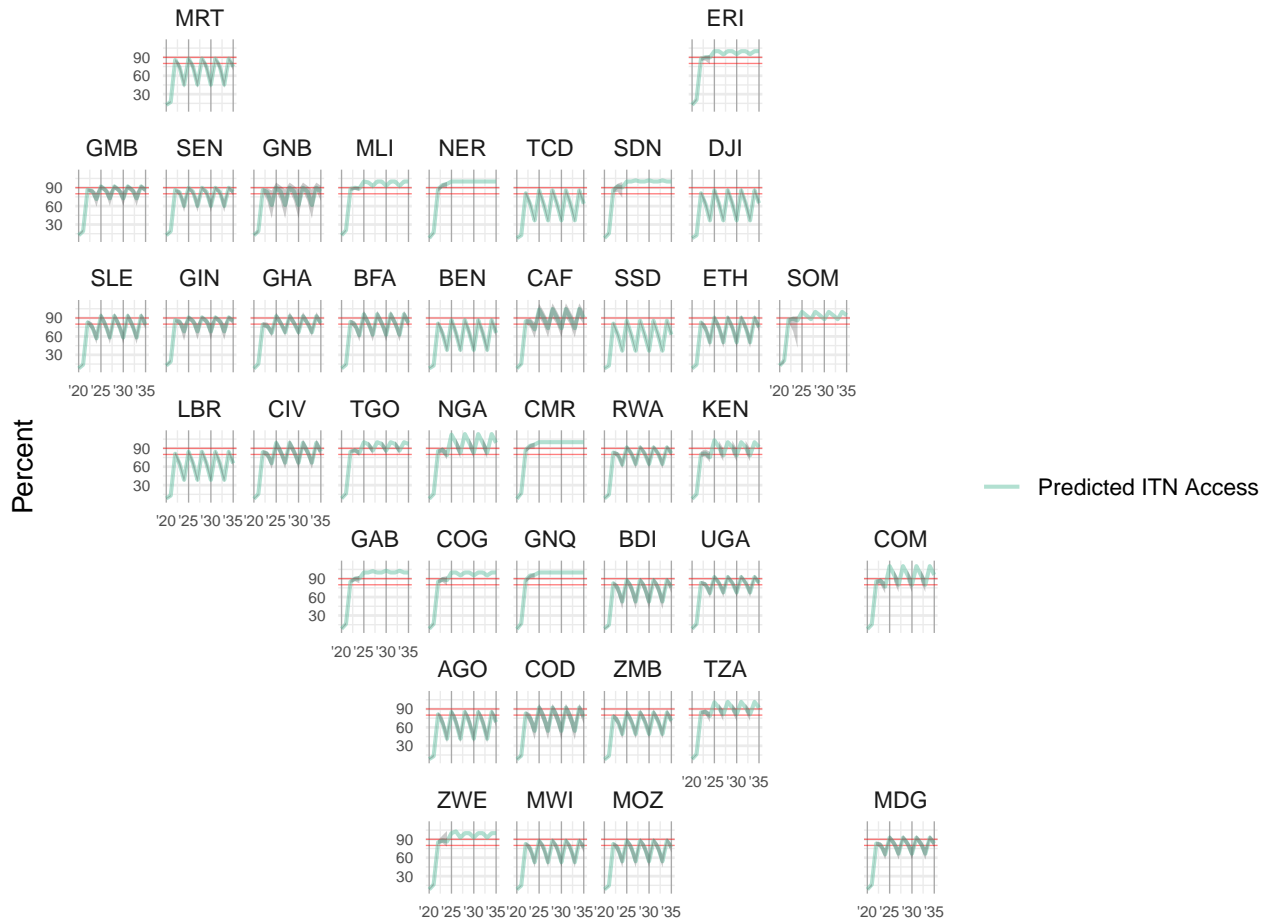
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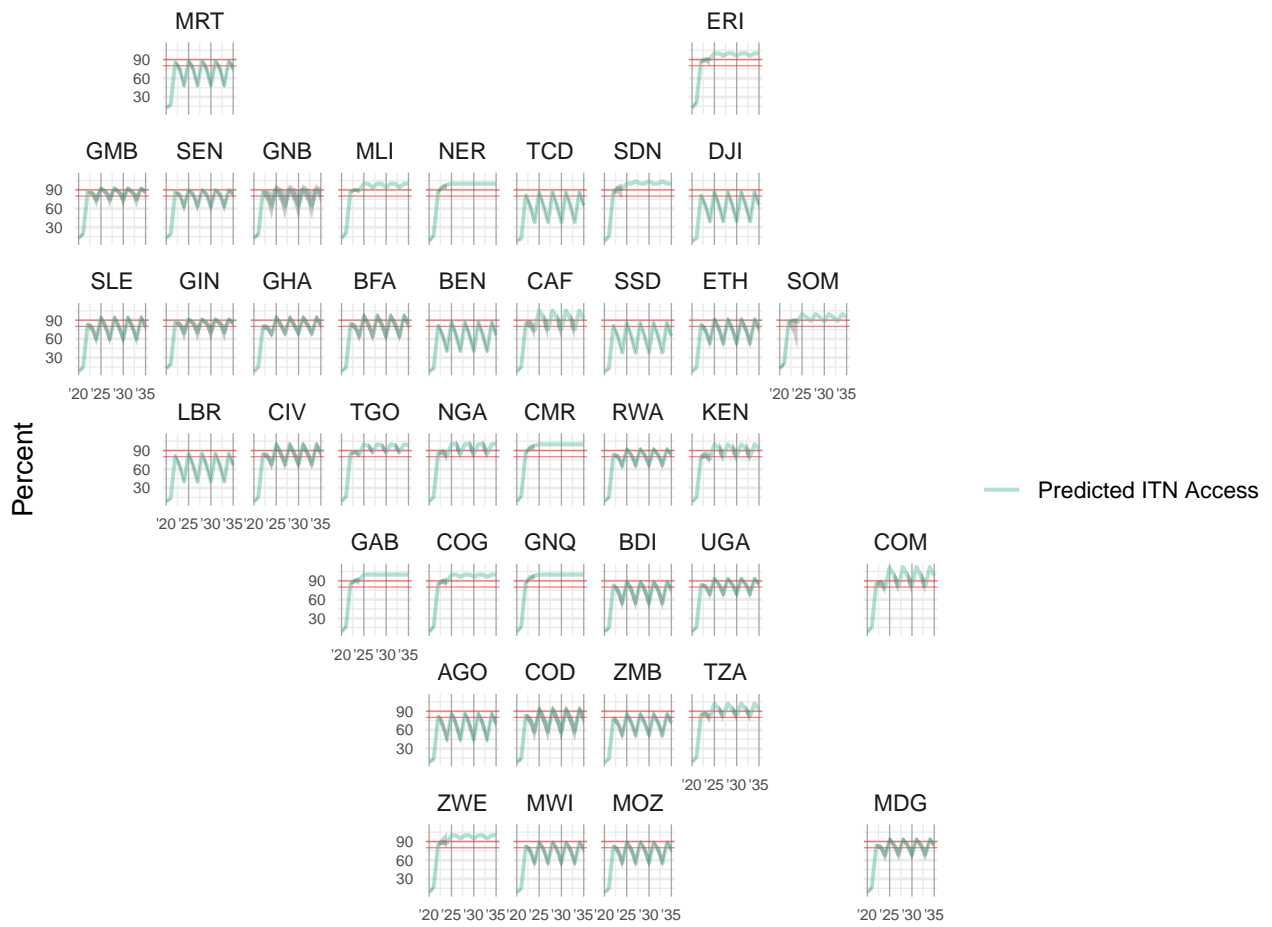
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 8 % of the population



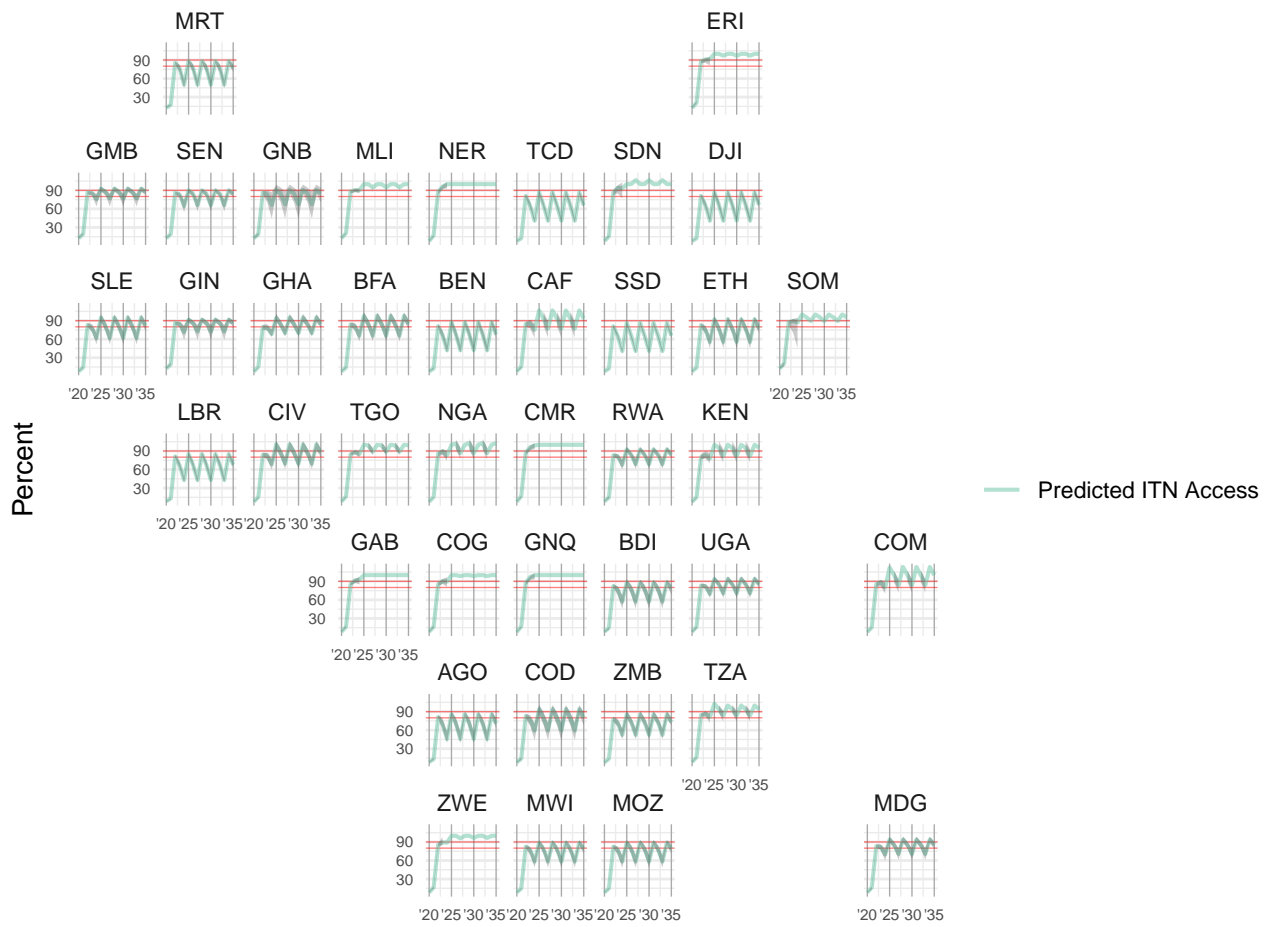
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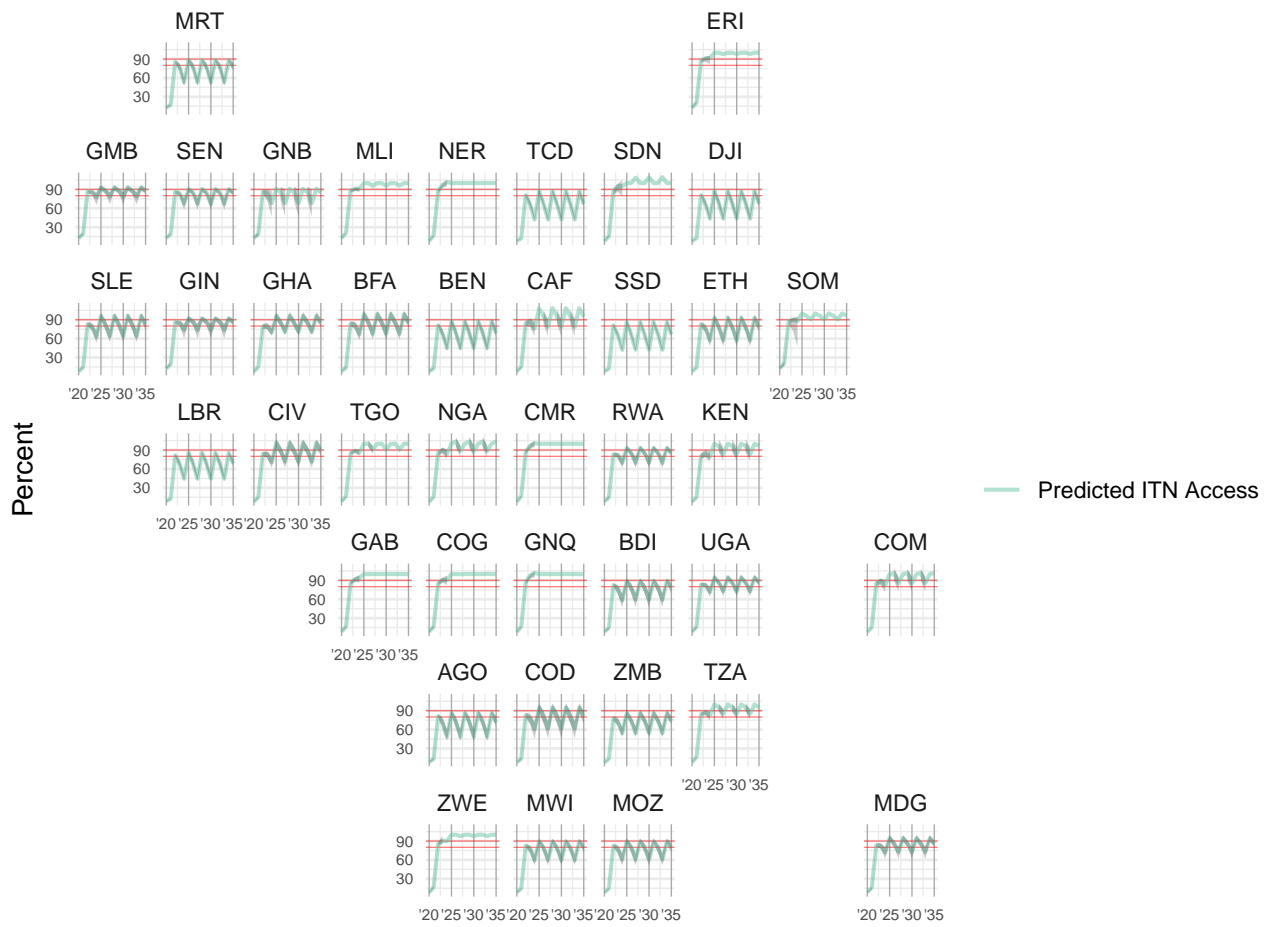
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 10% of the population



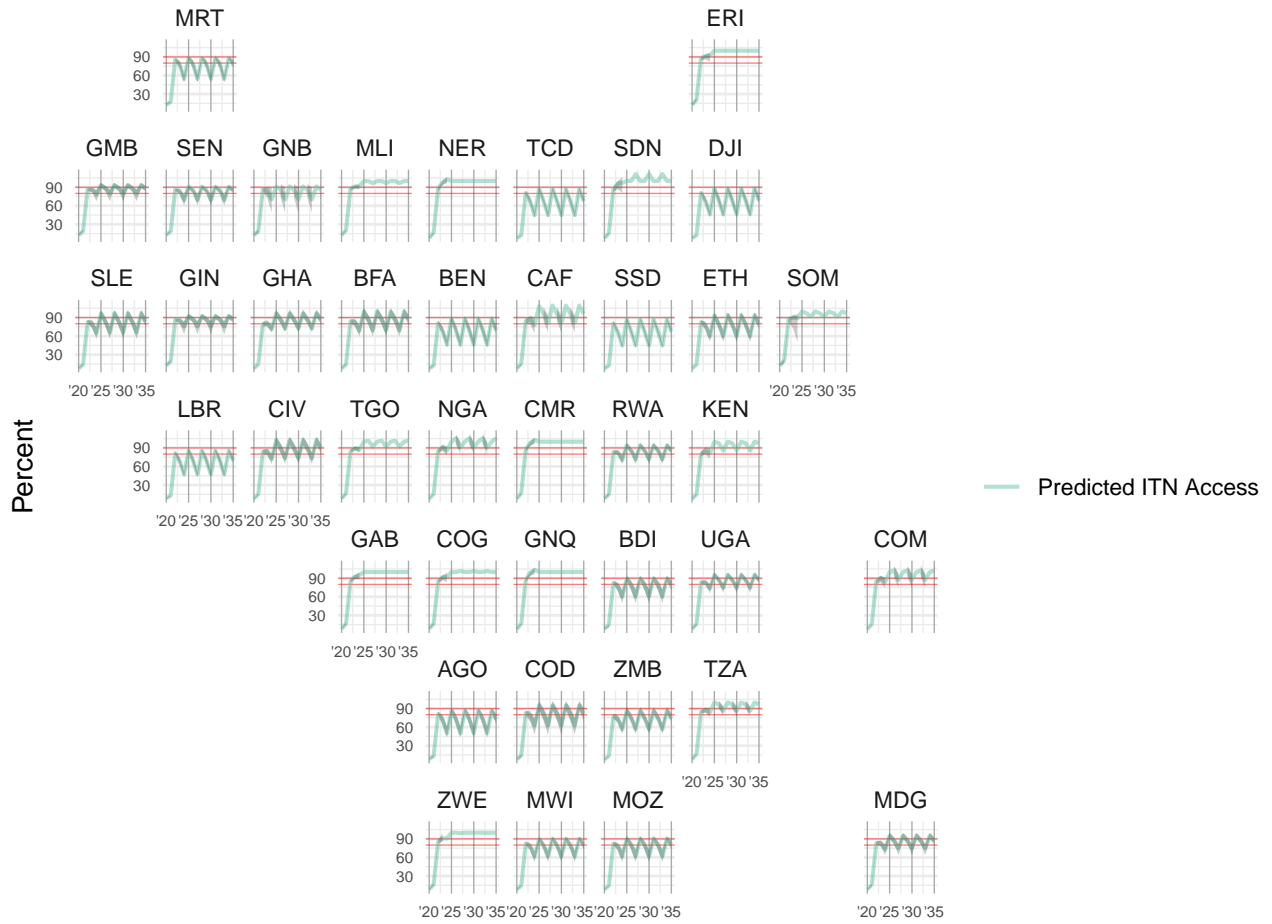
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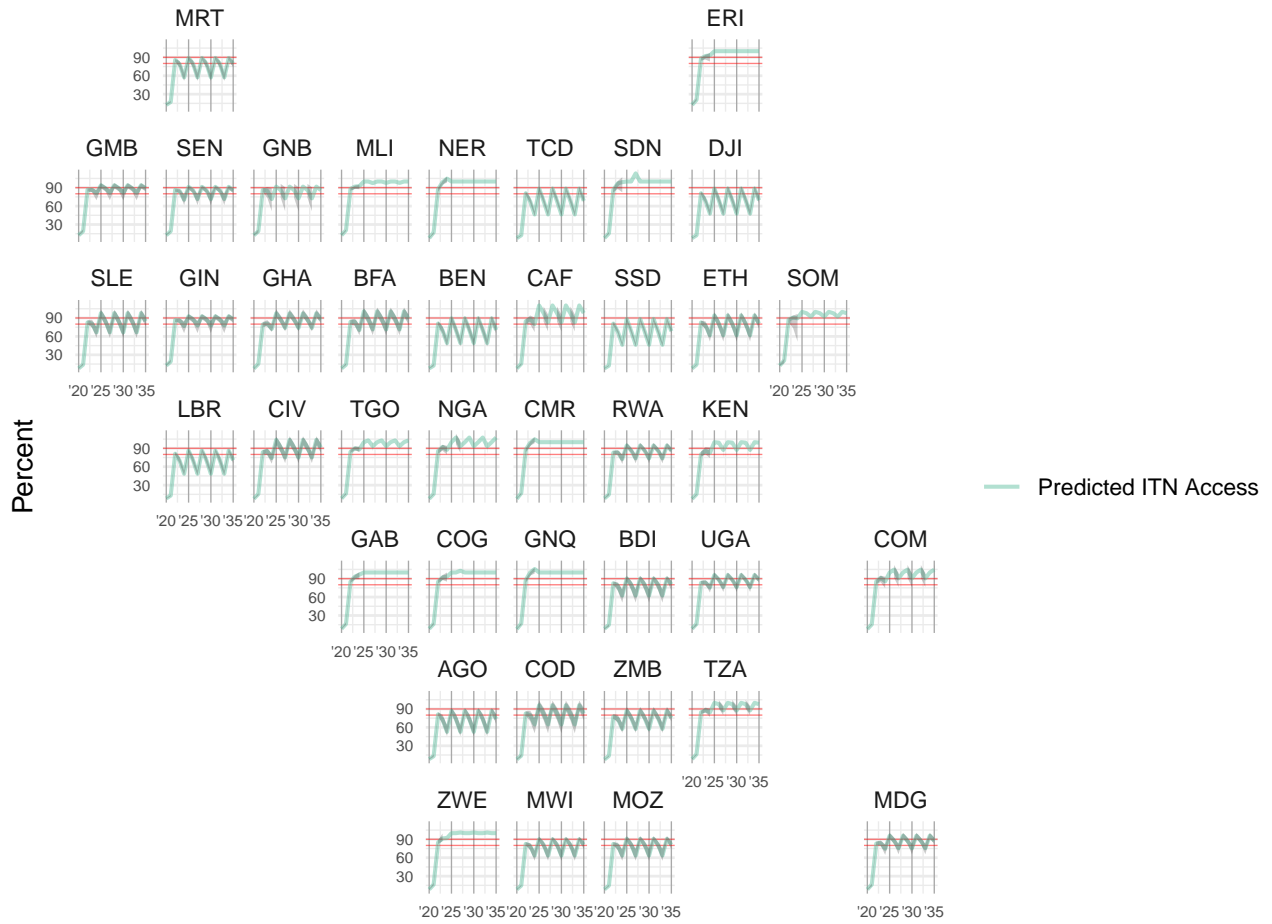
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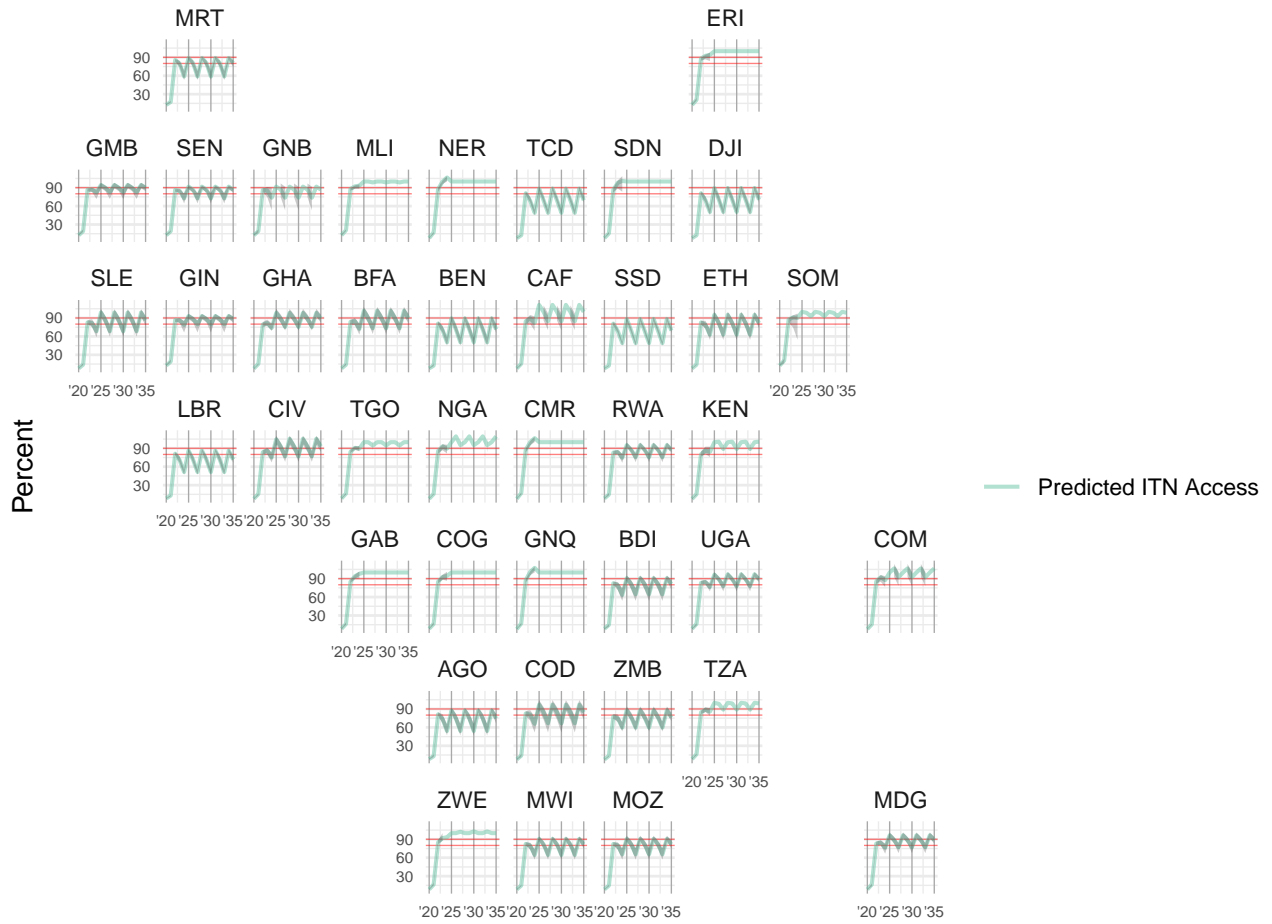
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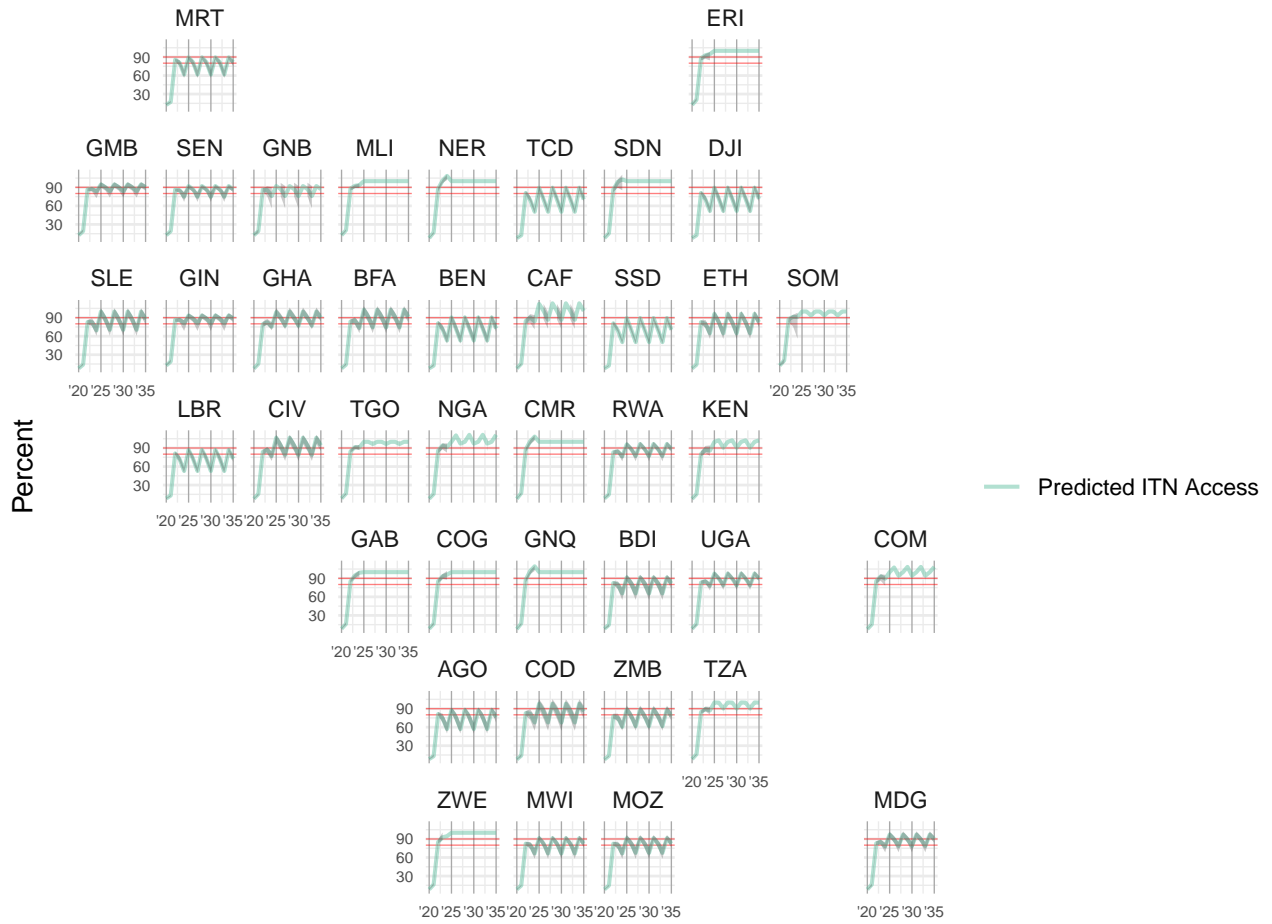
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 14 % of the population



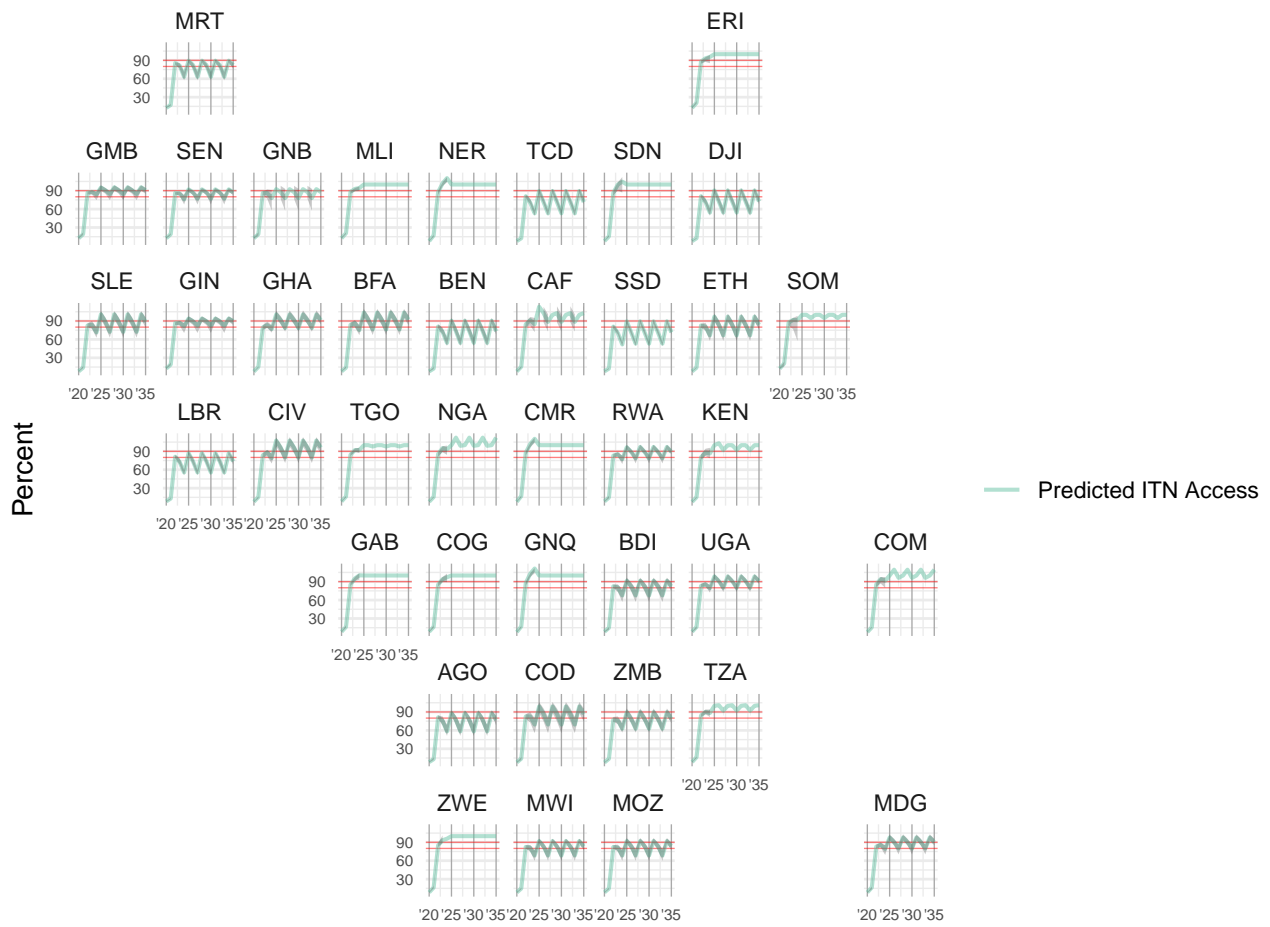
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 15% of the population



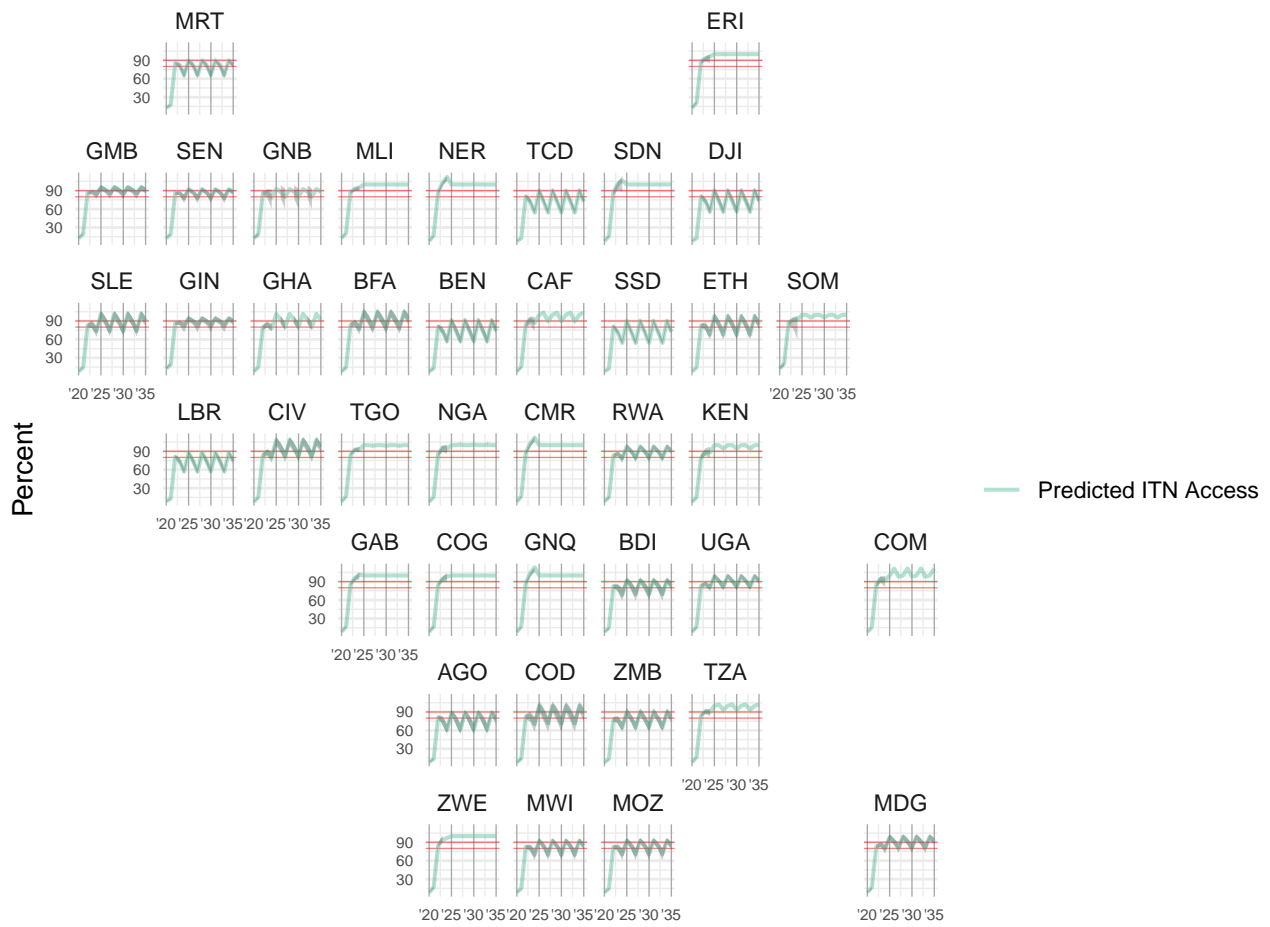
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 16 % of the population



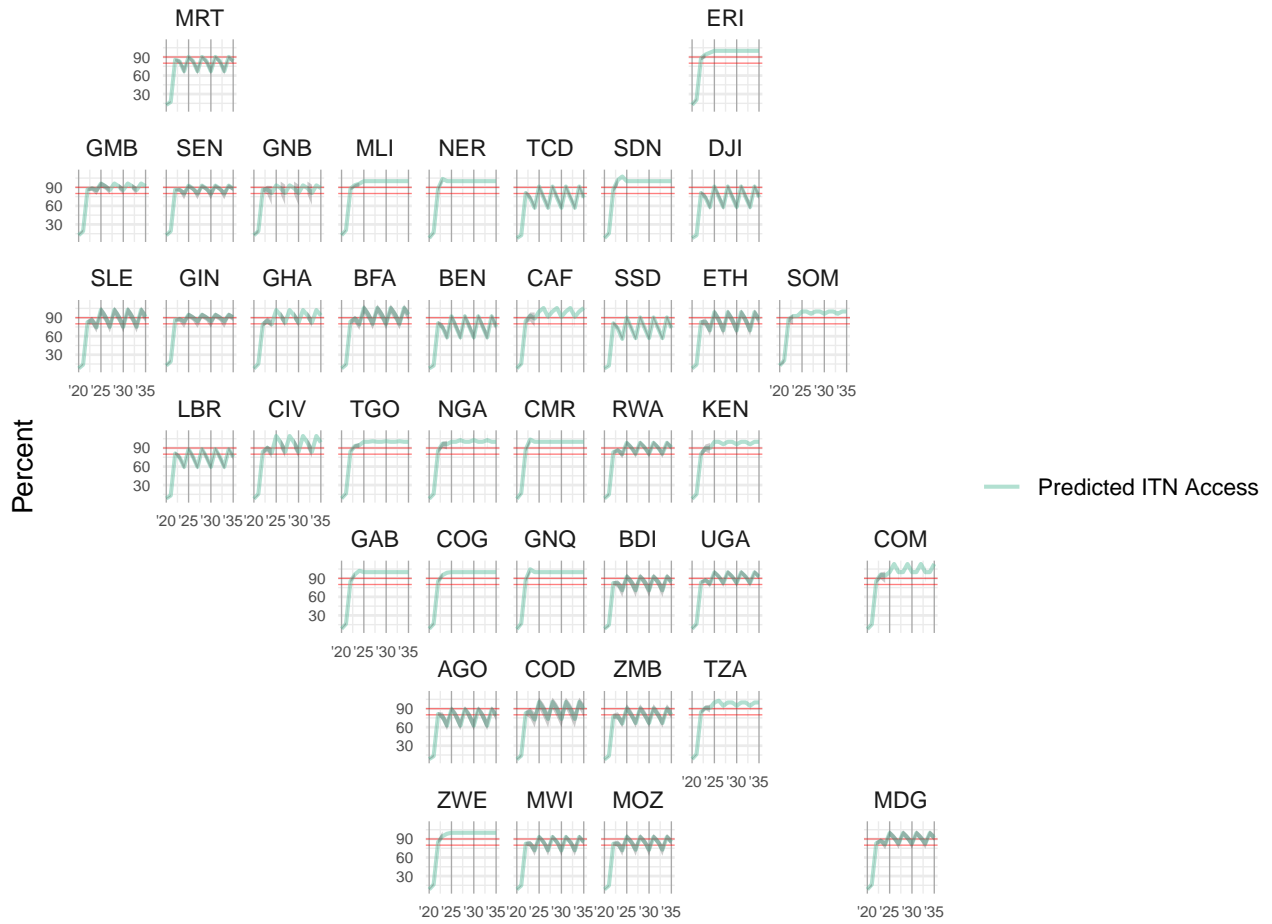
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 17 % of the population



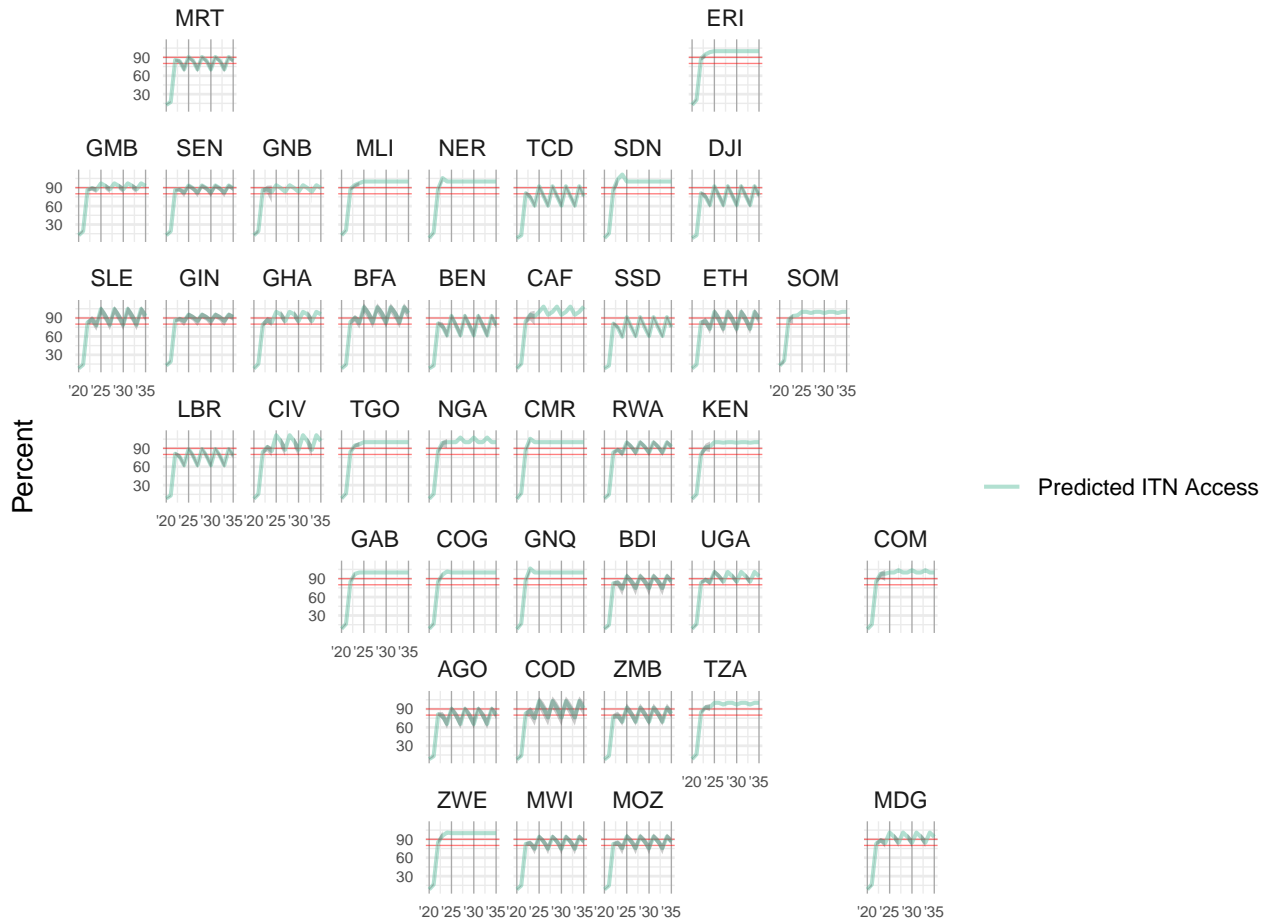
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 18% of the population



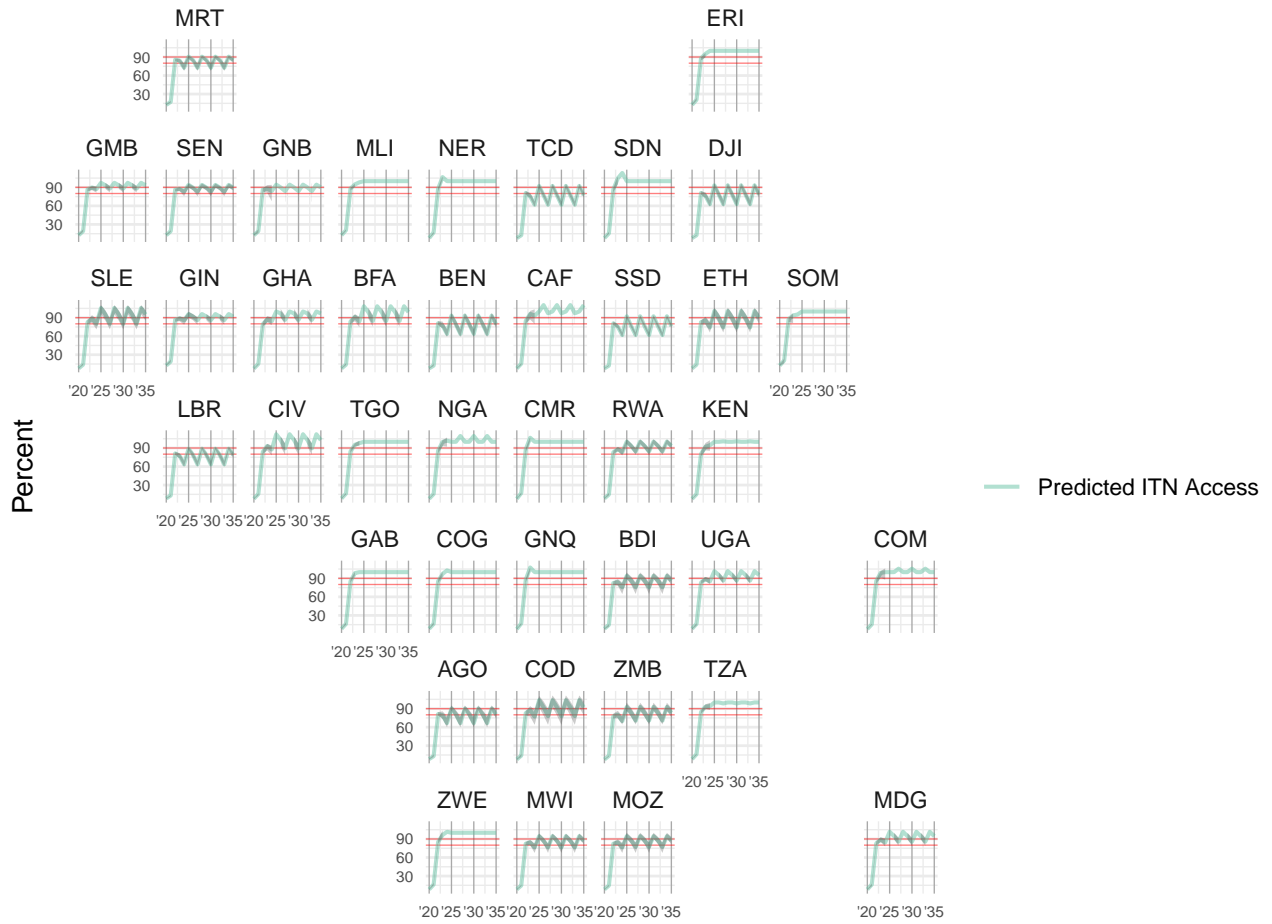
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 19% of the population



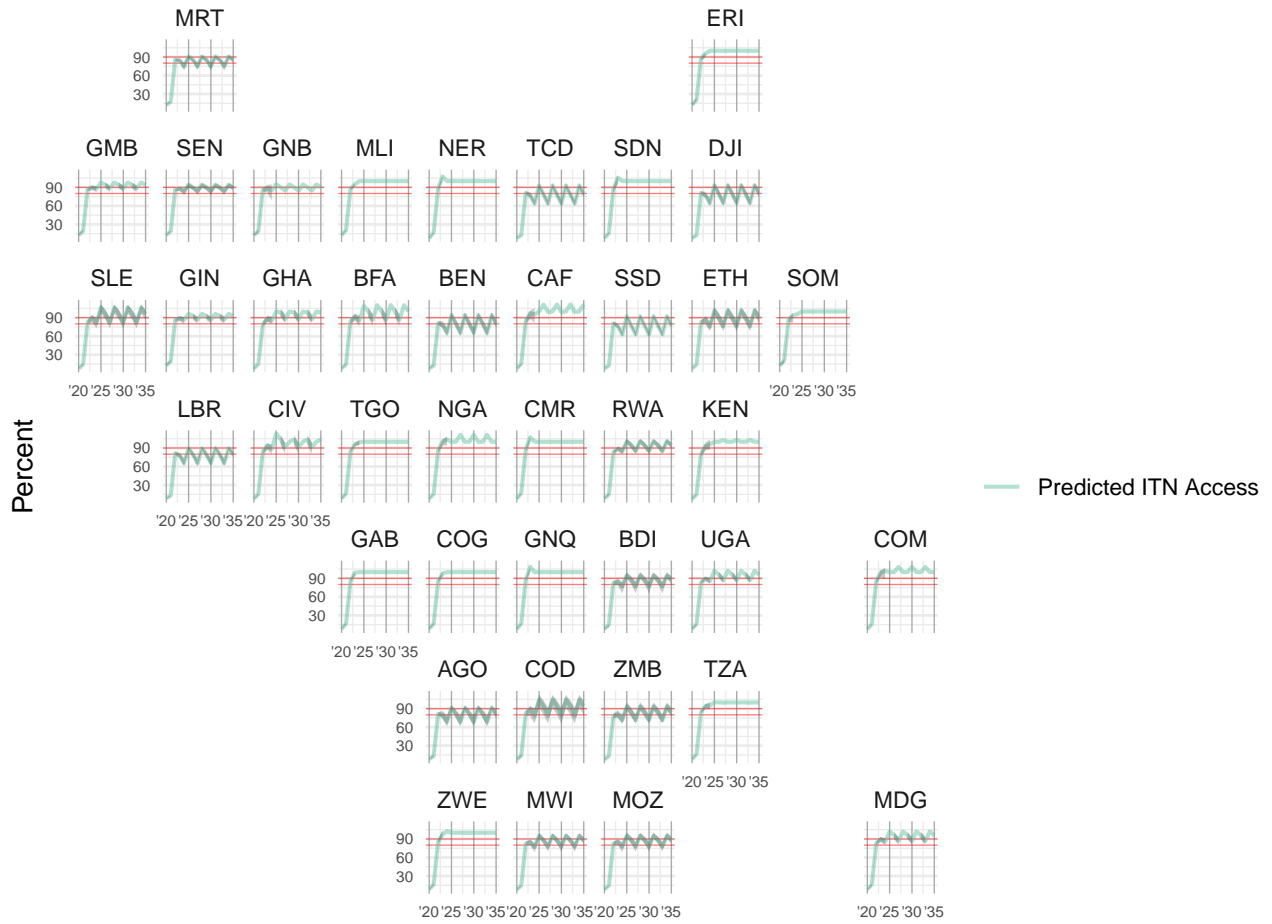
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 21 % of the population



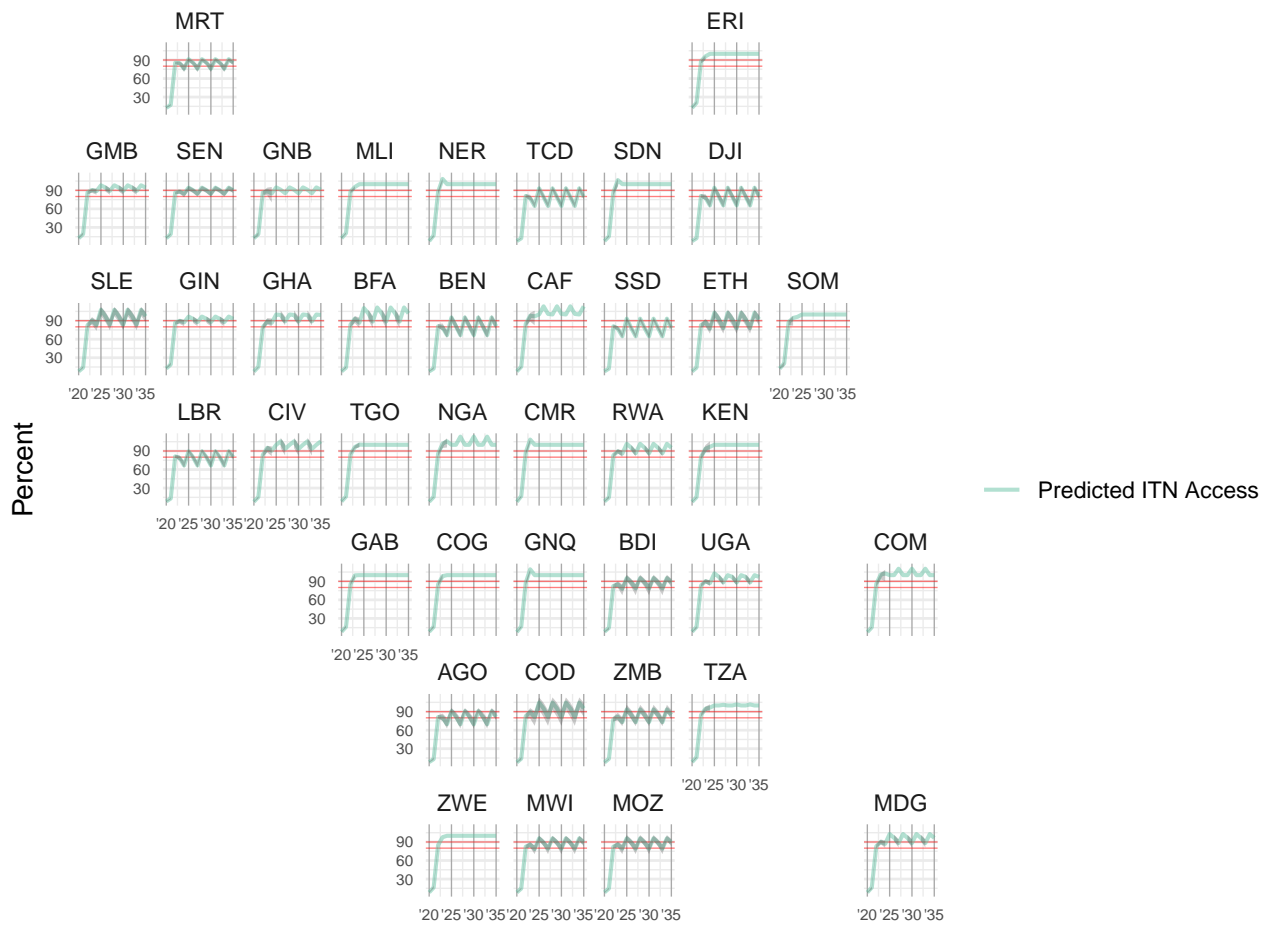
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 22 % of the population



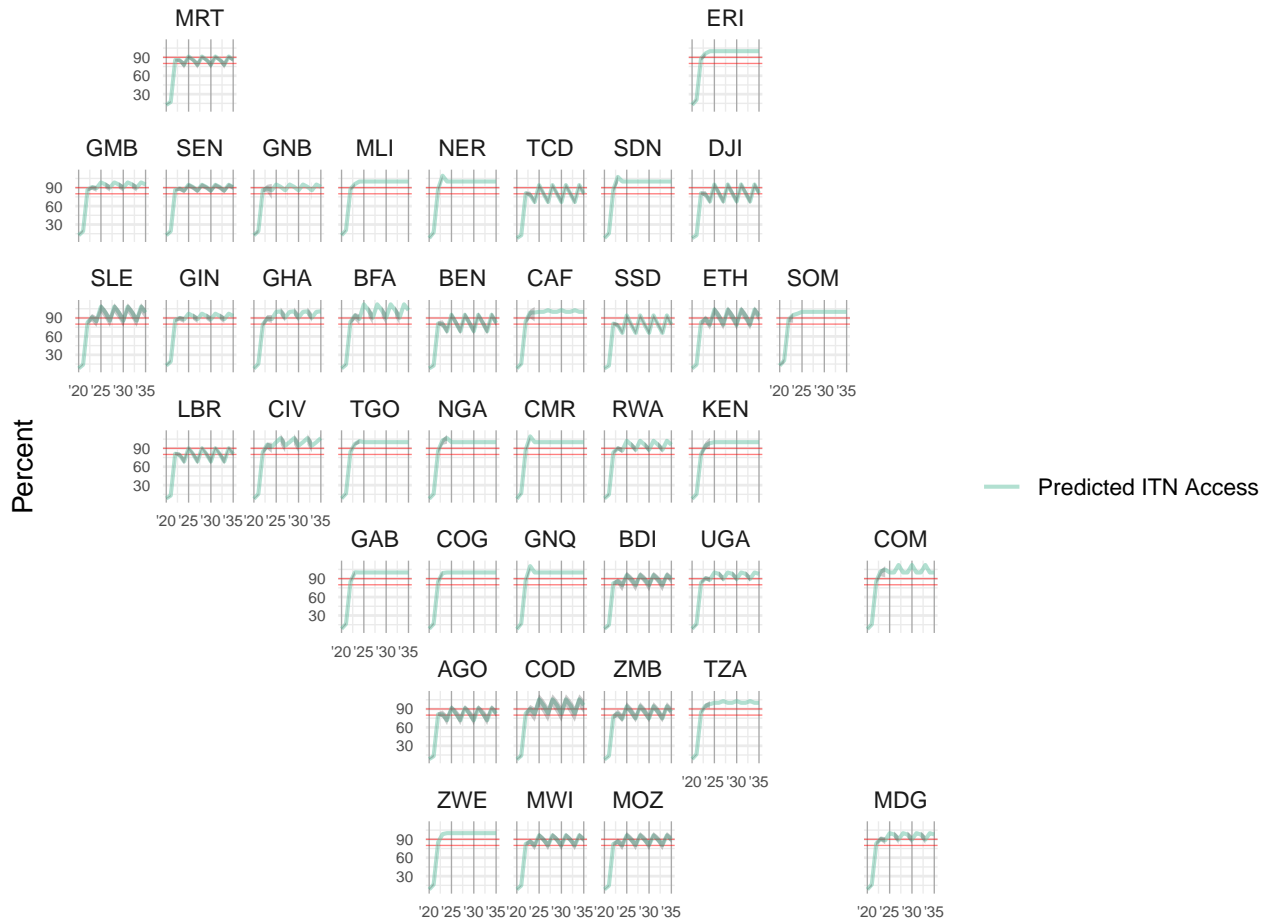
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 23 % of the population



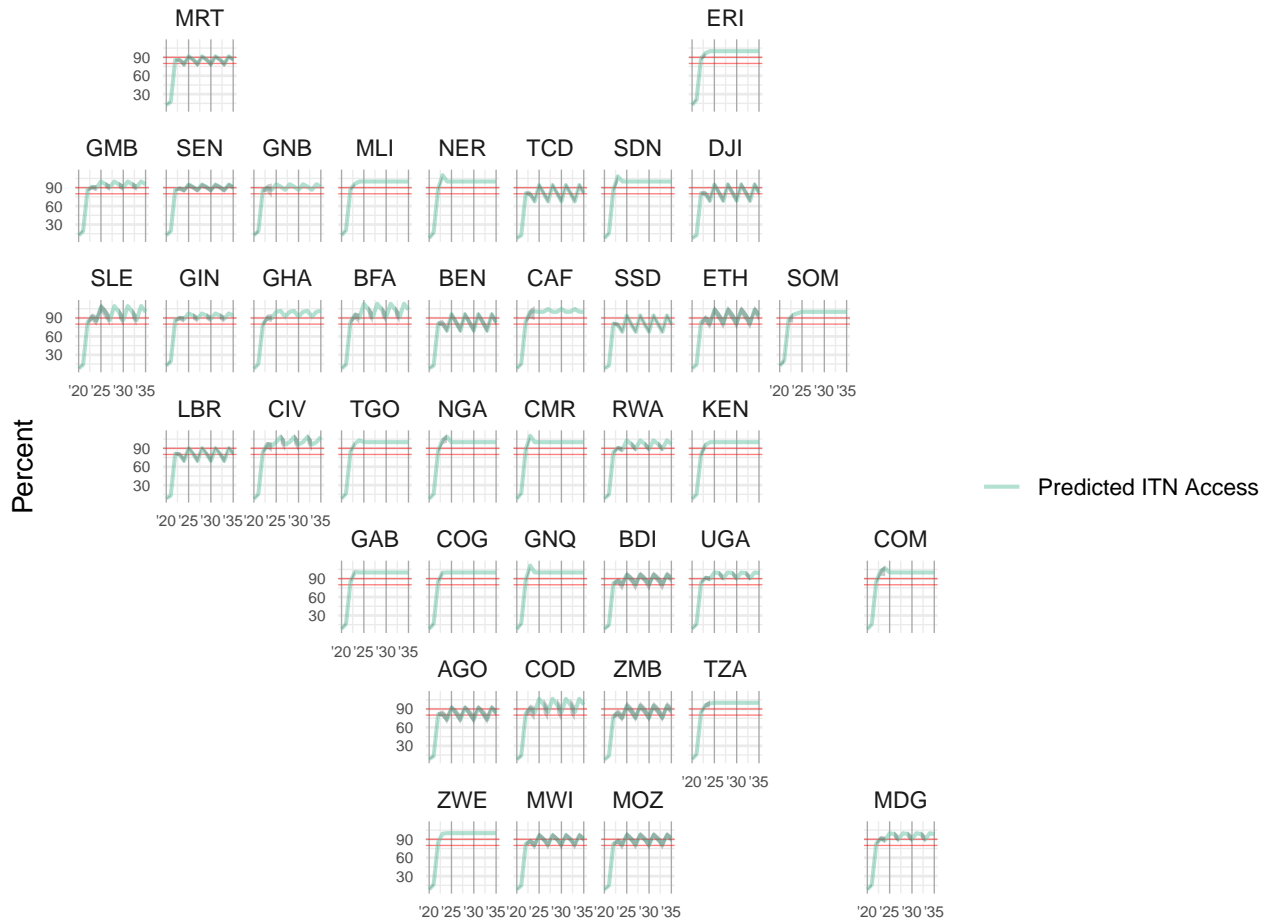
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 24% of the population



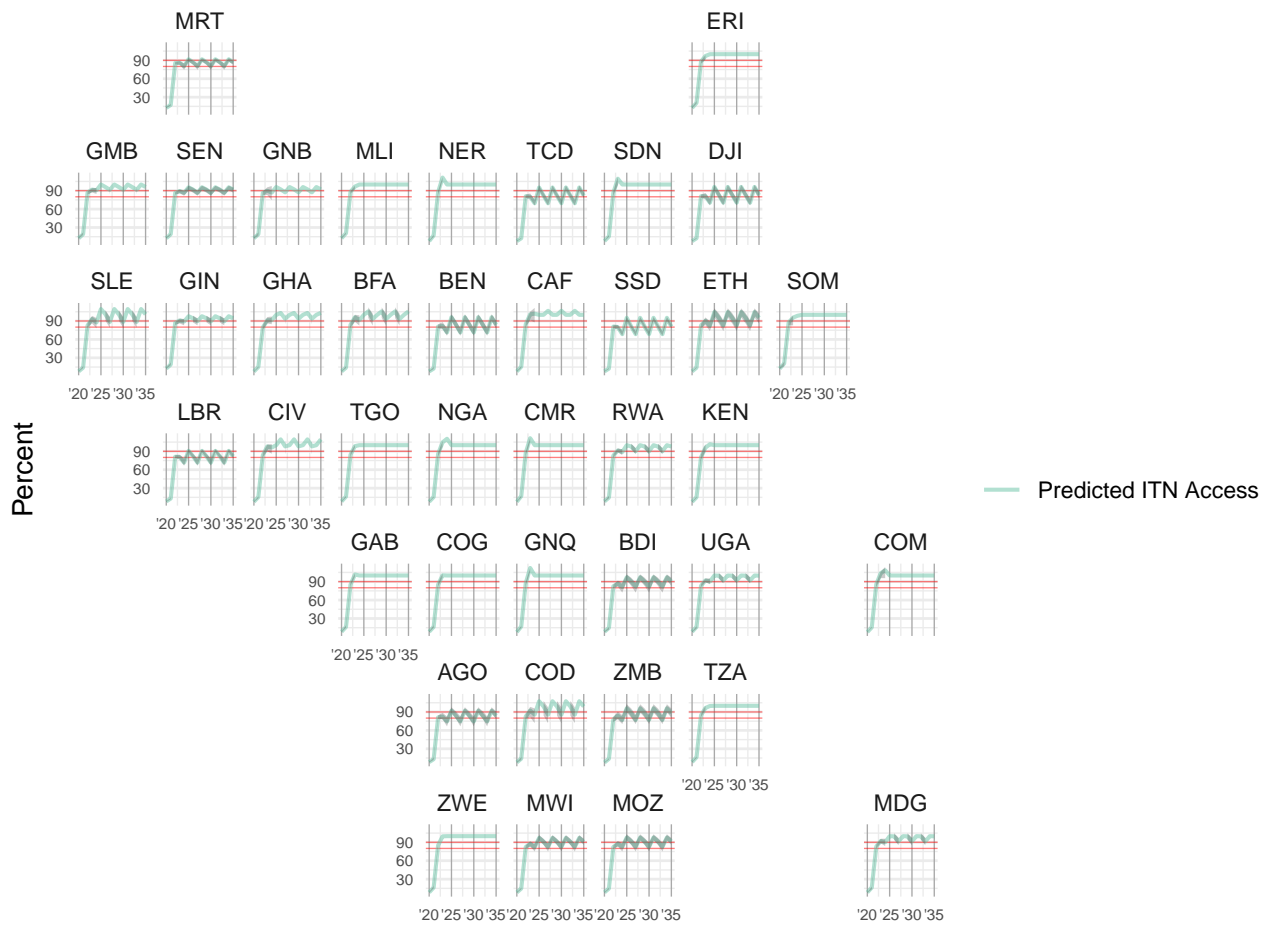
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 25 % of the population



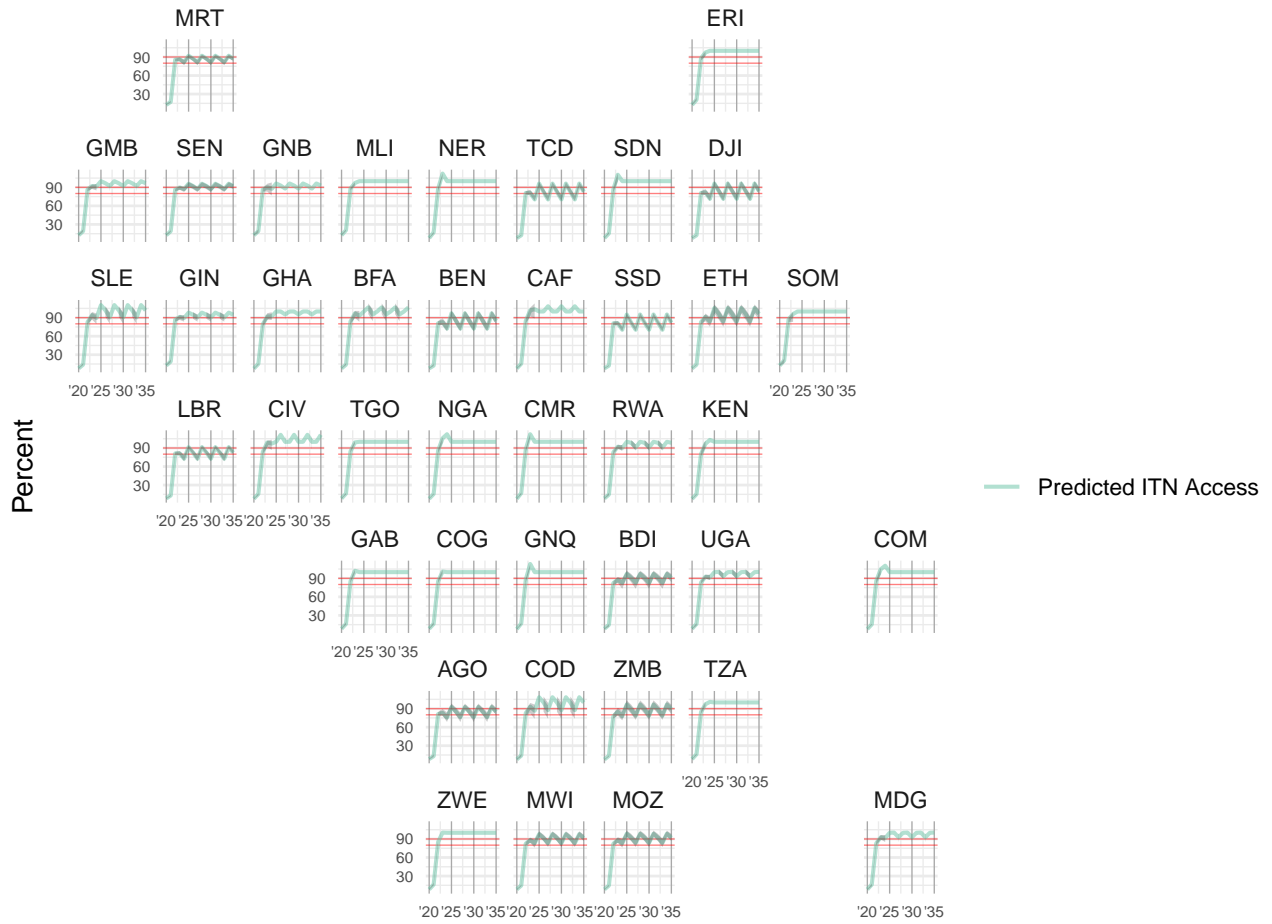
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 26% of the population



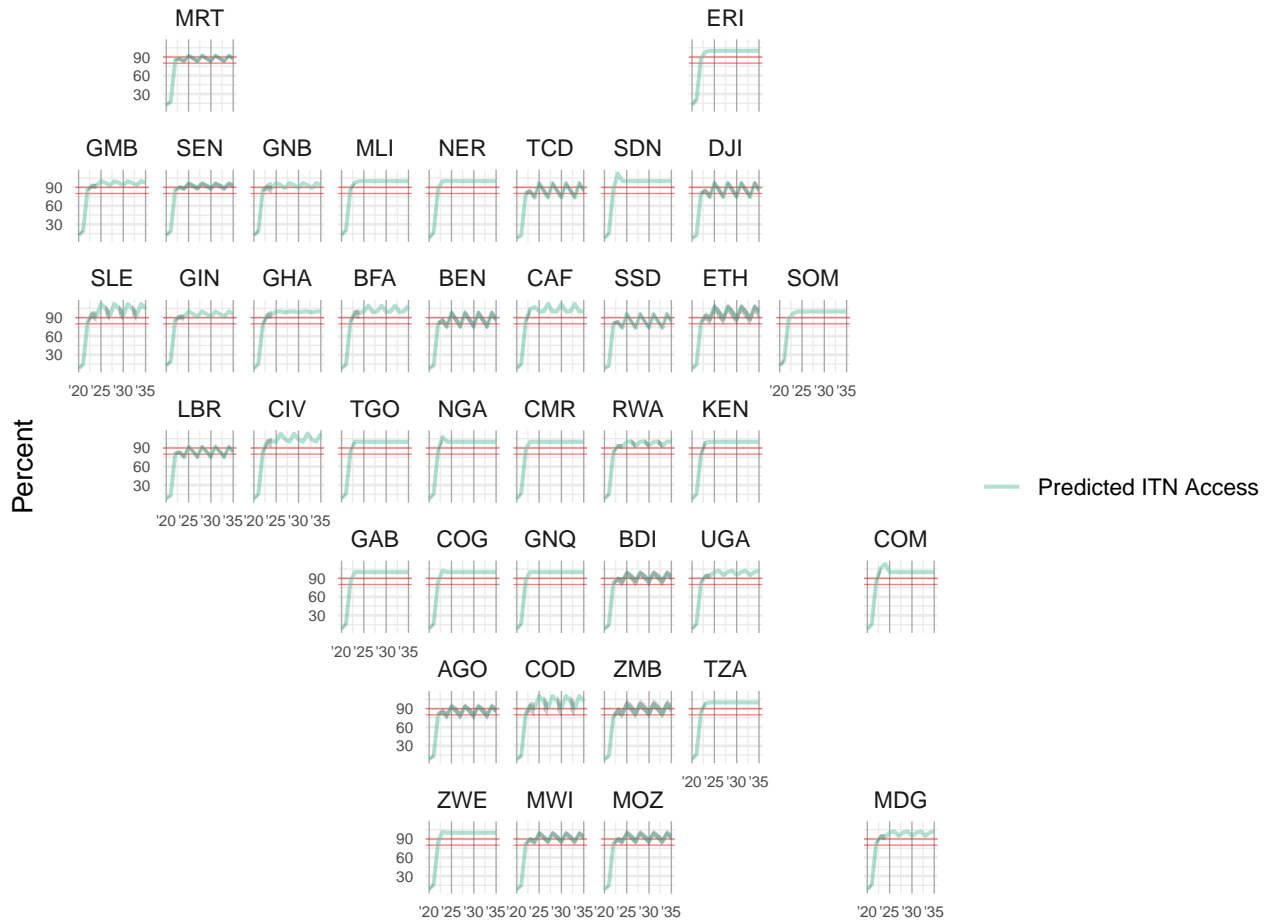
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 27% of the population



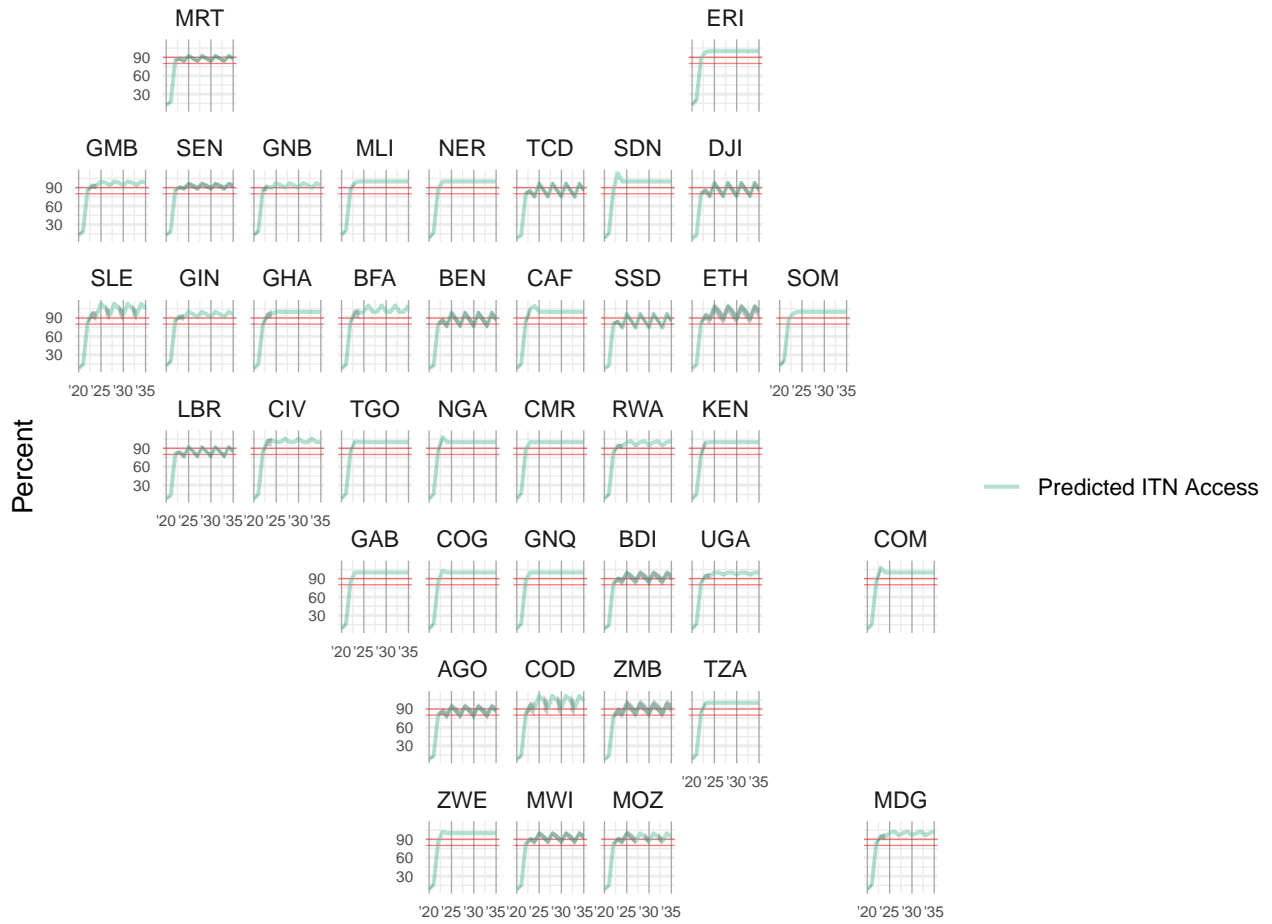
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 28% of the population



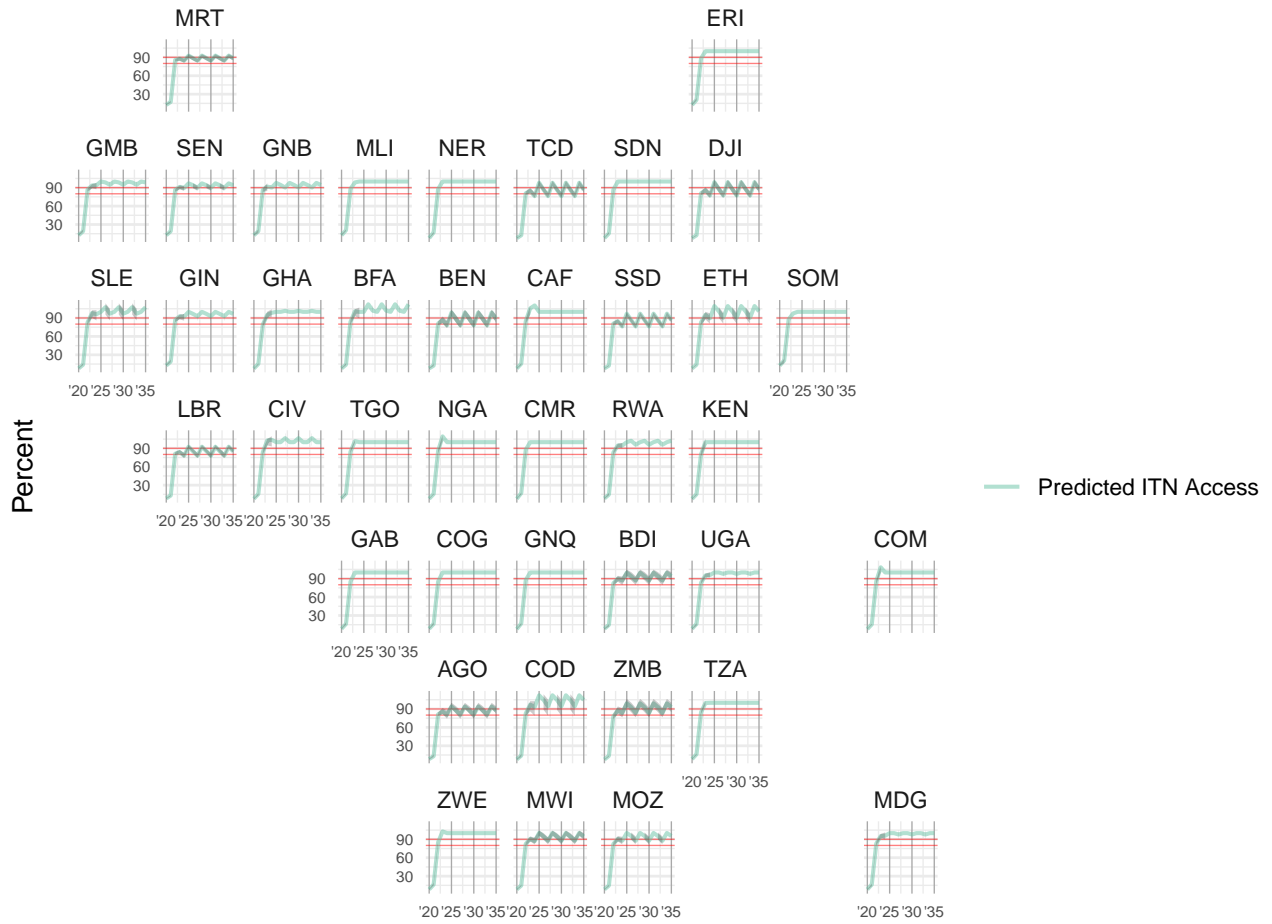
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 30% of the population



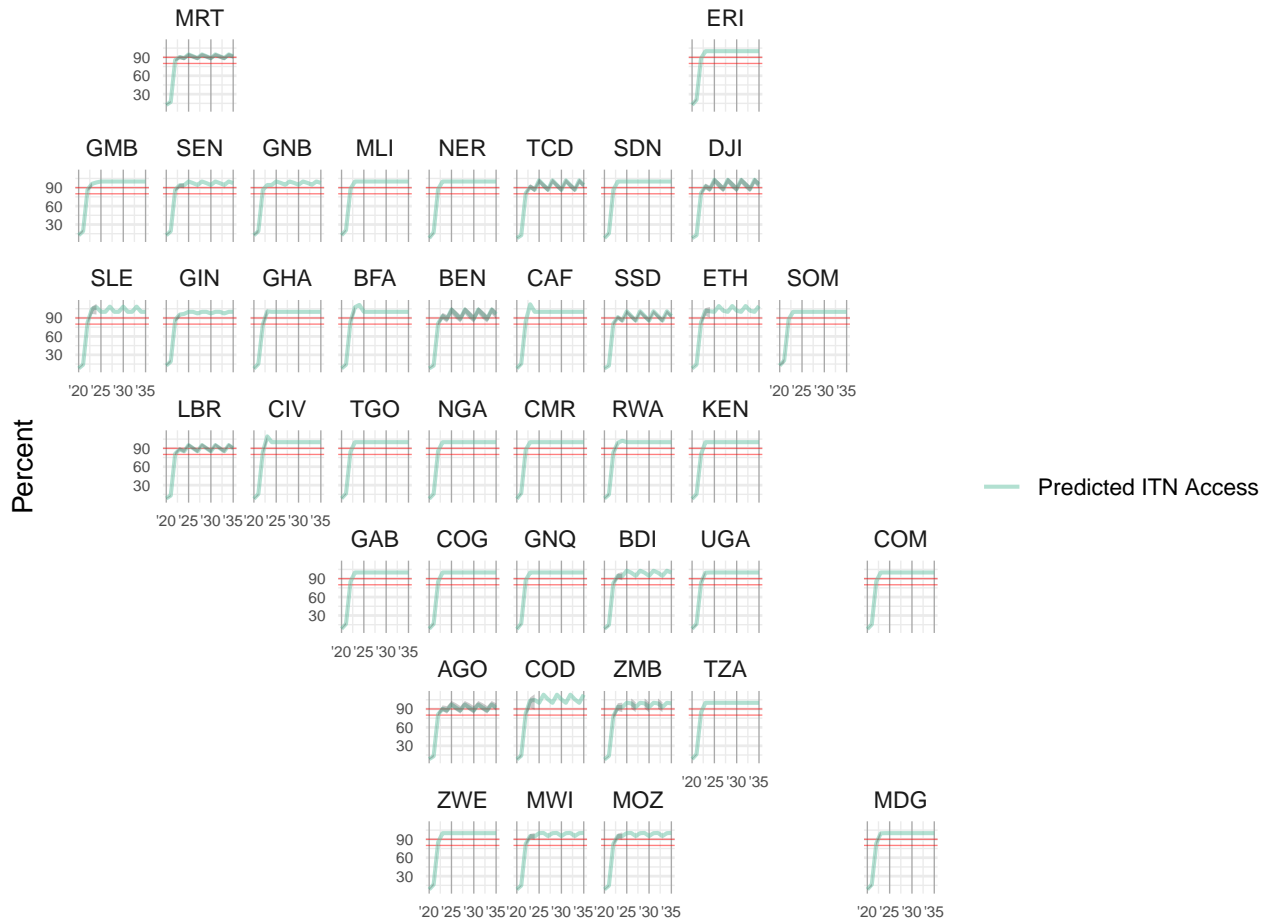
3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 31 % of the population



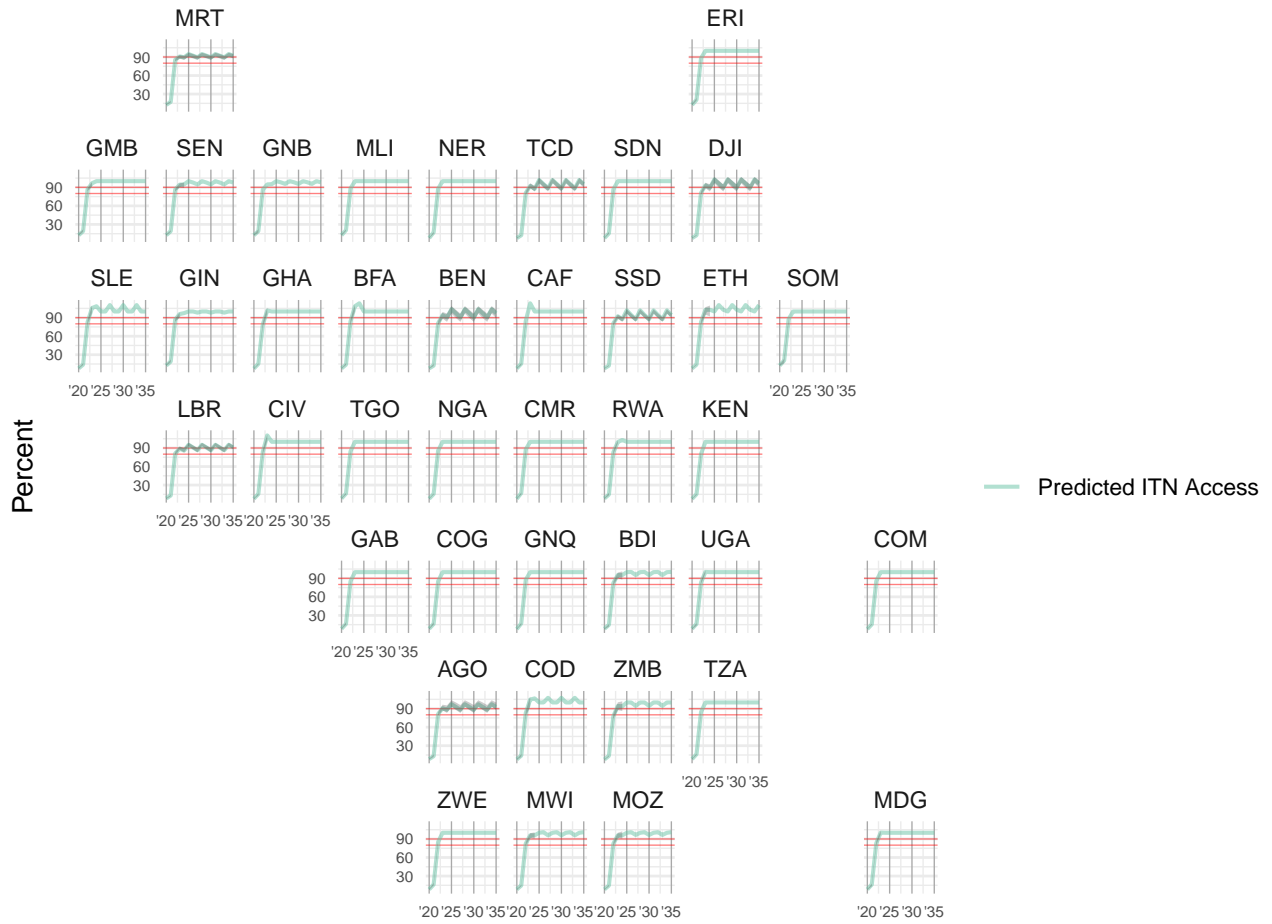
3-year mass campaigns with ANC/EPI at 6% and between-campaign school/community distribution at 32% of the population



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

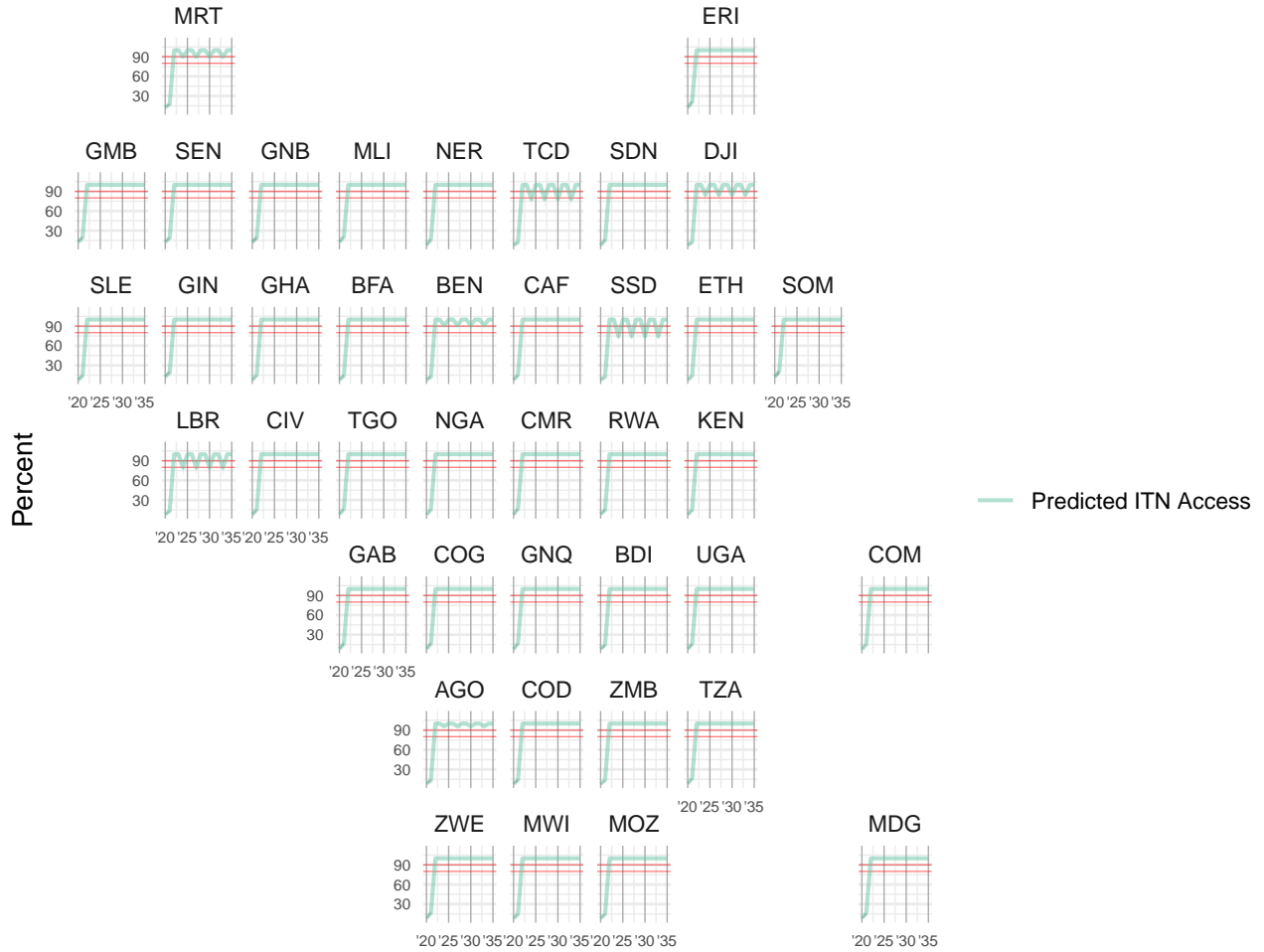


3-year mass campaigns with ANC/EPI at 6%
and between-campaign school/community distribution
at 40 % of the population

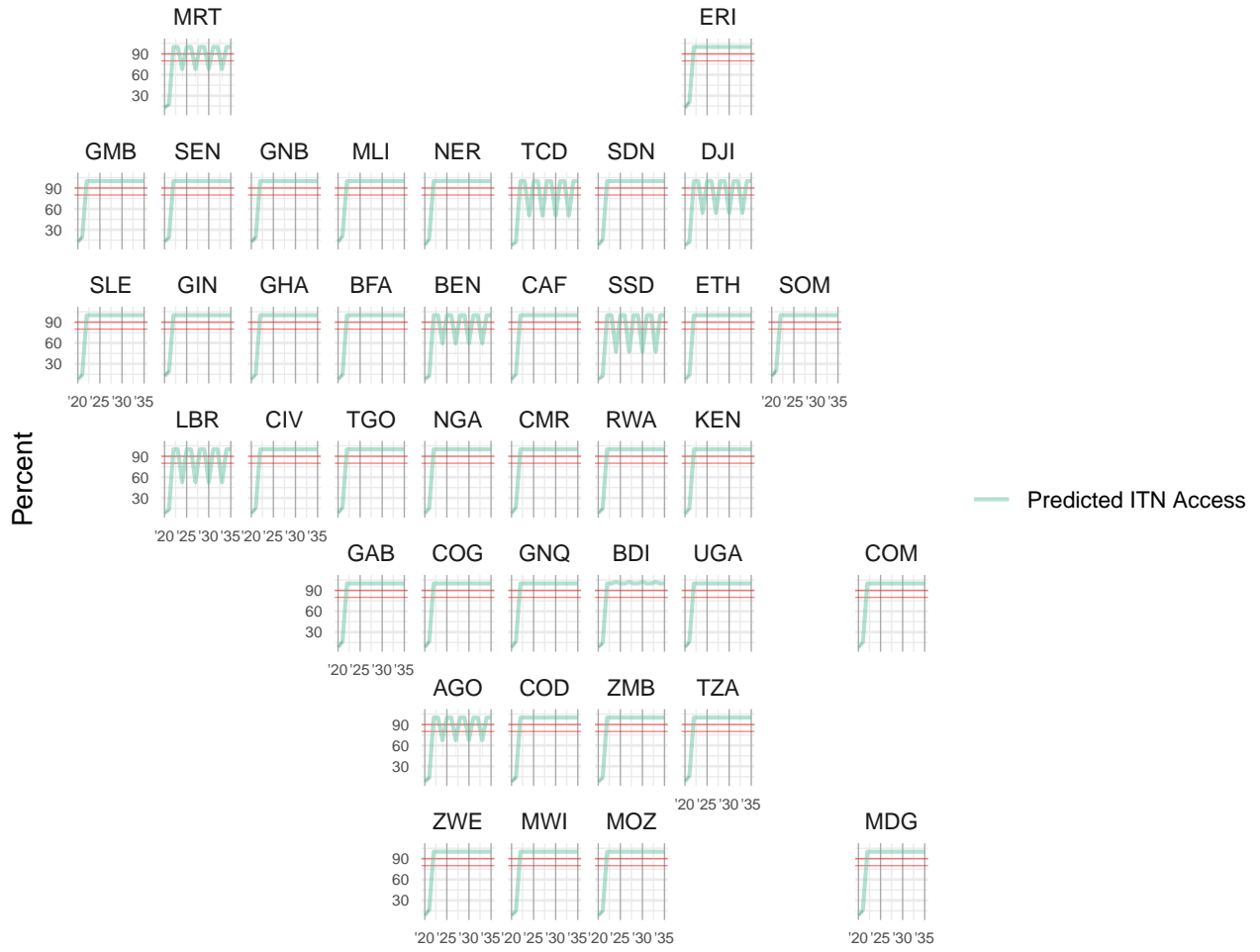


4 Scenario 4 - Three-year mass campaigns with ANC/EPI distribution at 6%, varying campaign quantifier

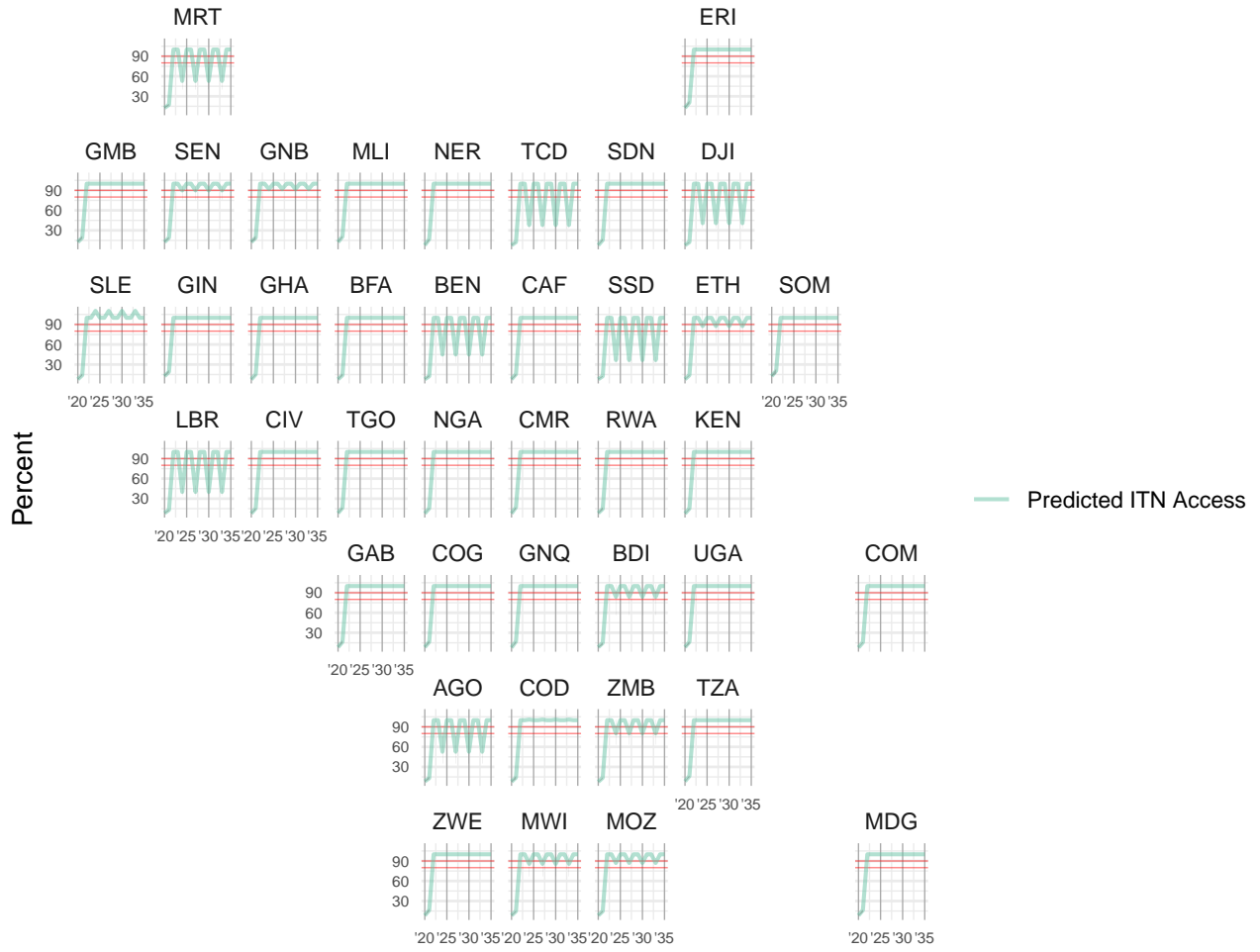
3-year mass campaigns with ANC/EPI, at population / 0.1



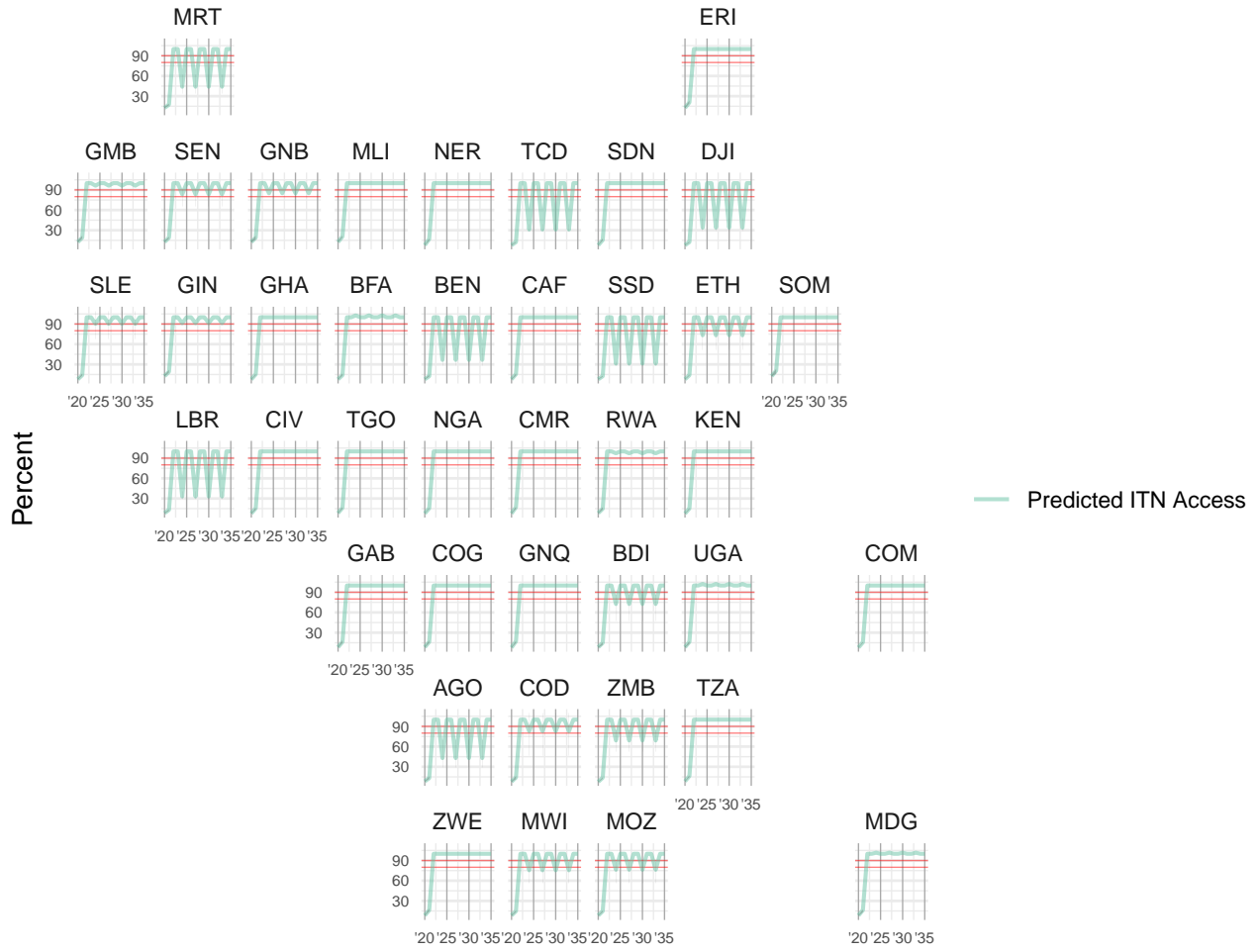
3-year mass campaigns with ANC/EPI,
at population / 0.2



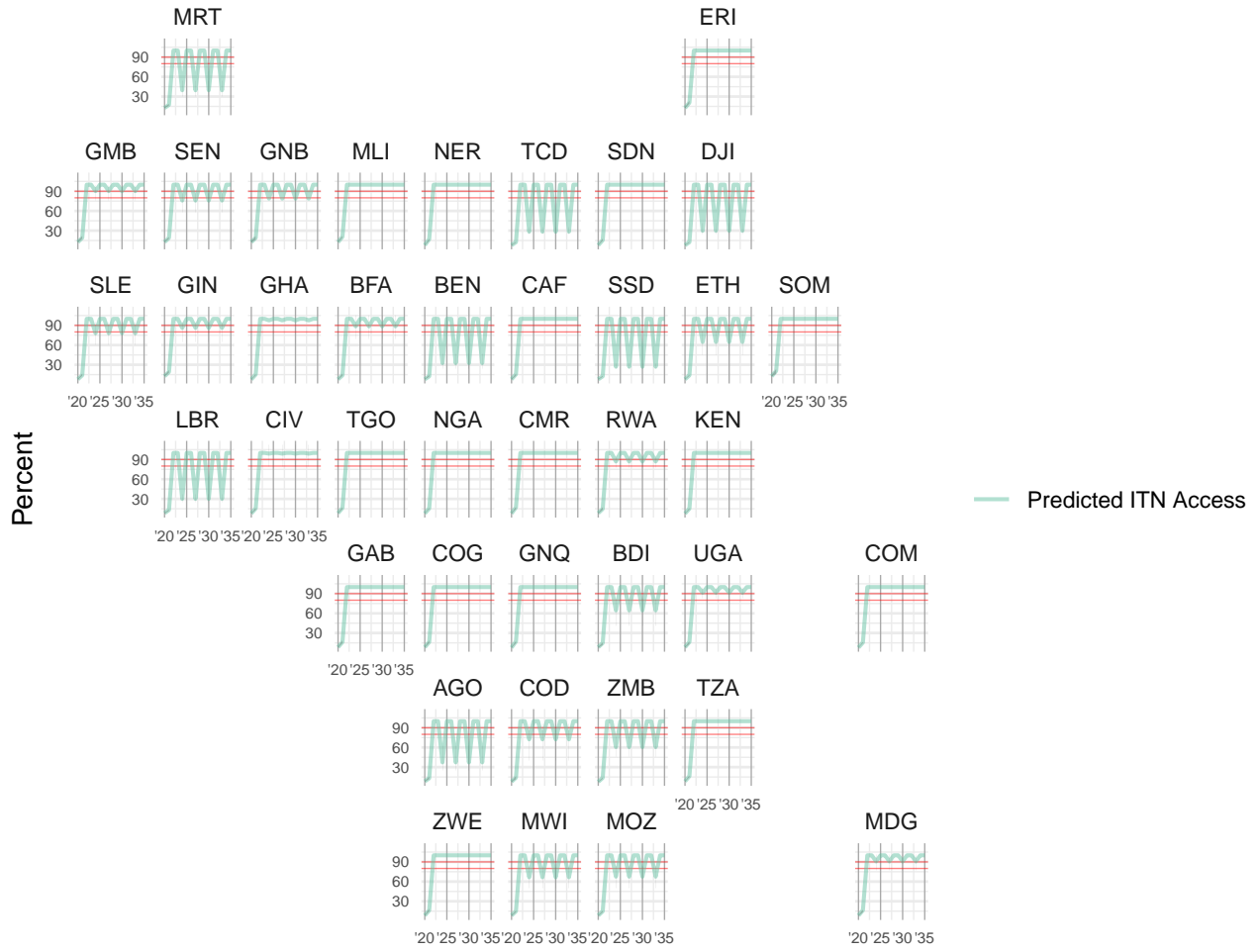
3-year mass campaigns with ANC/EPI, at population / 0.3



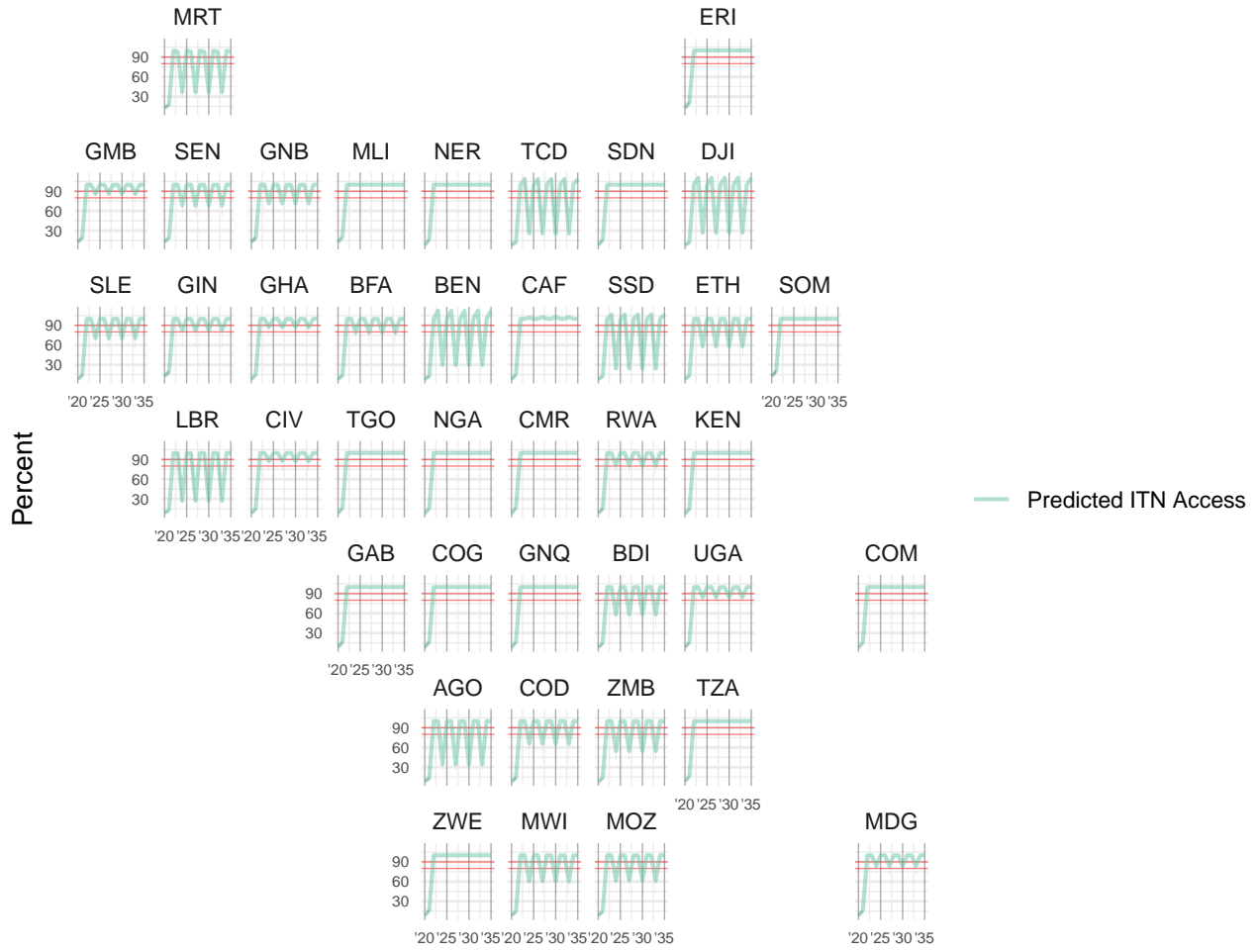
3-year mass campaigns with ANC/EPI,
at population / 0.4



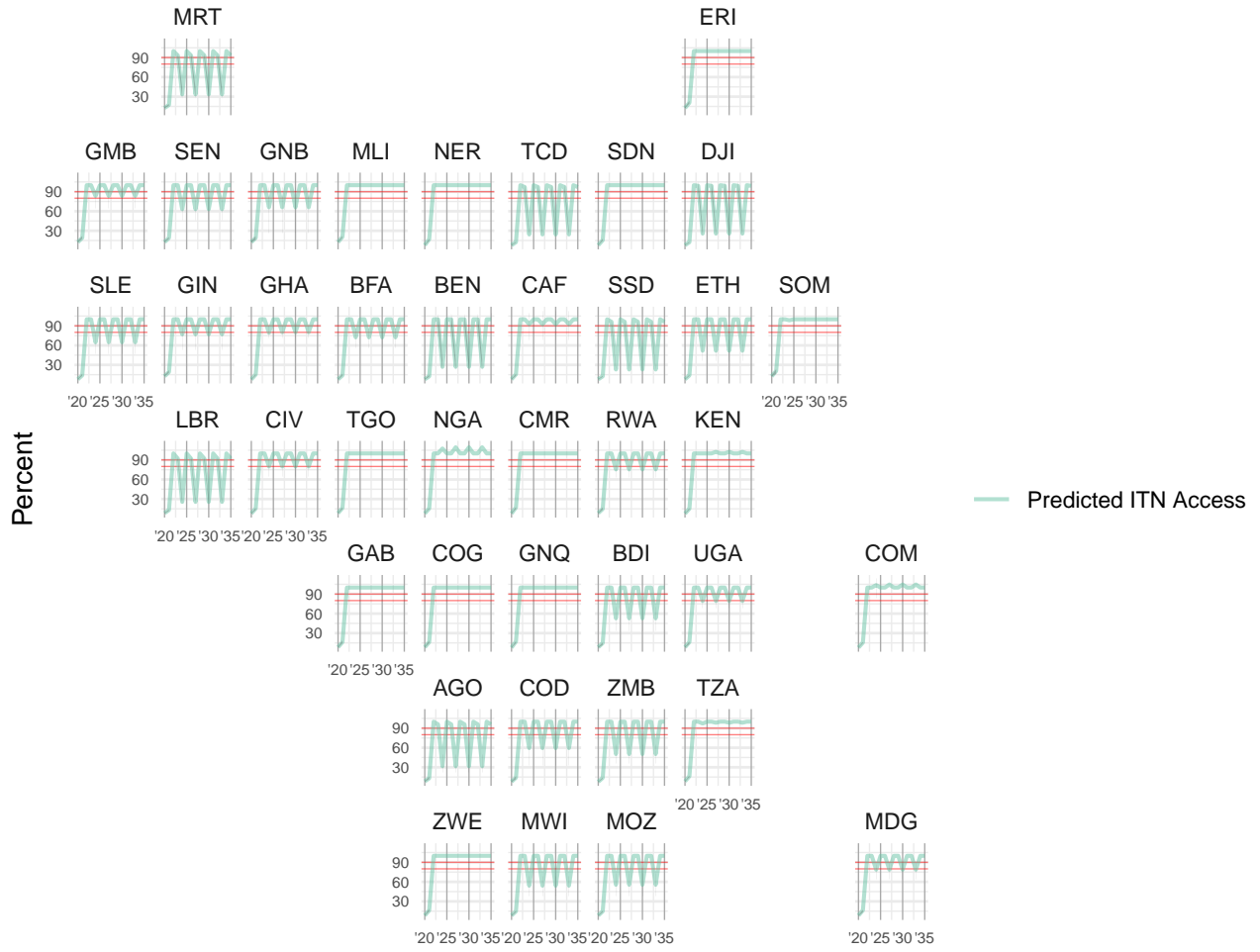
3-year mass campaigns with ANC/EPI, at population / 0.5



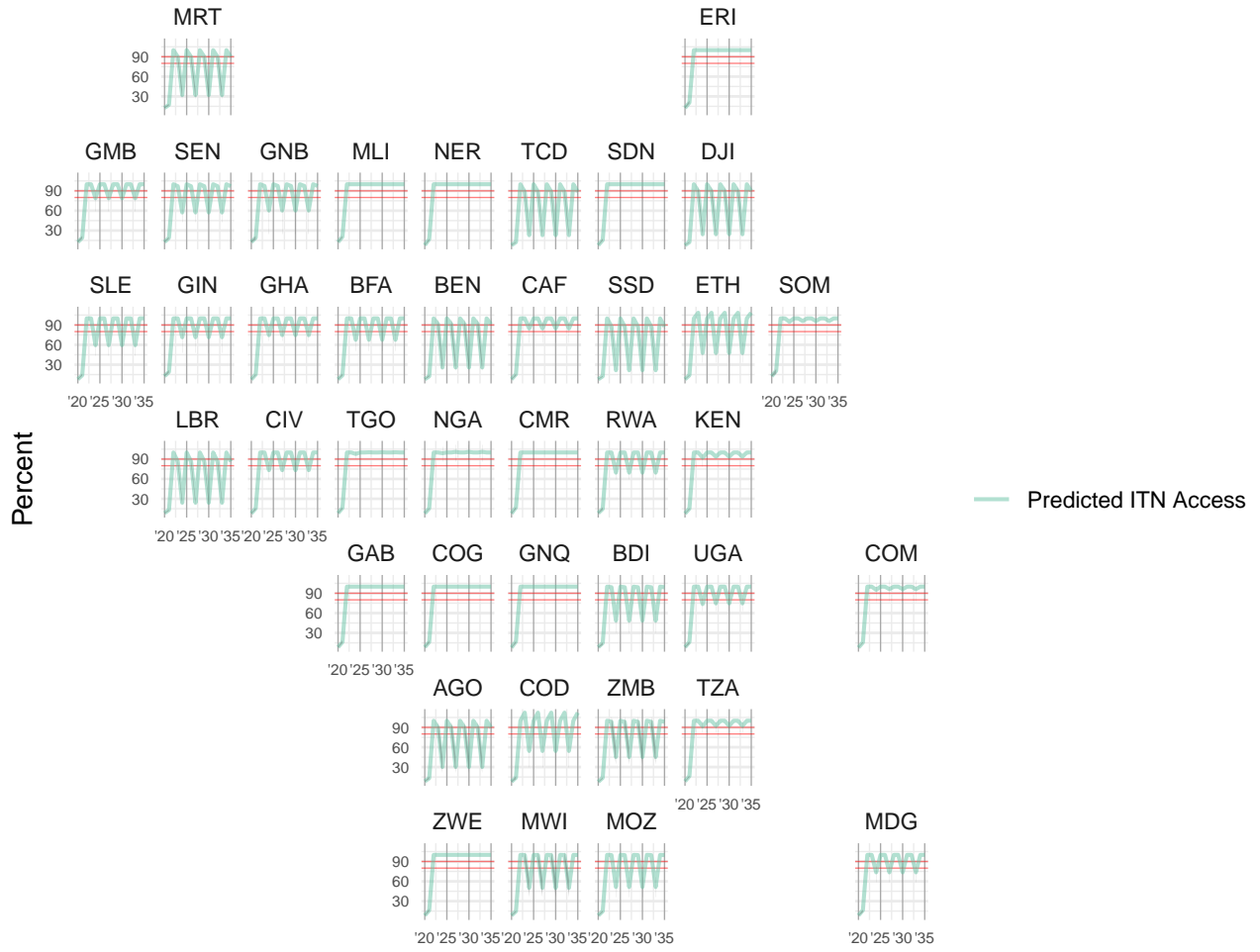
3-year mass campaigns with ANC/EPI, at population / 0.6



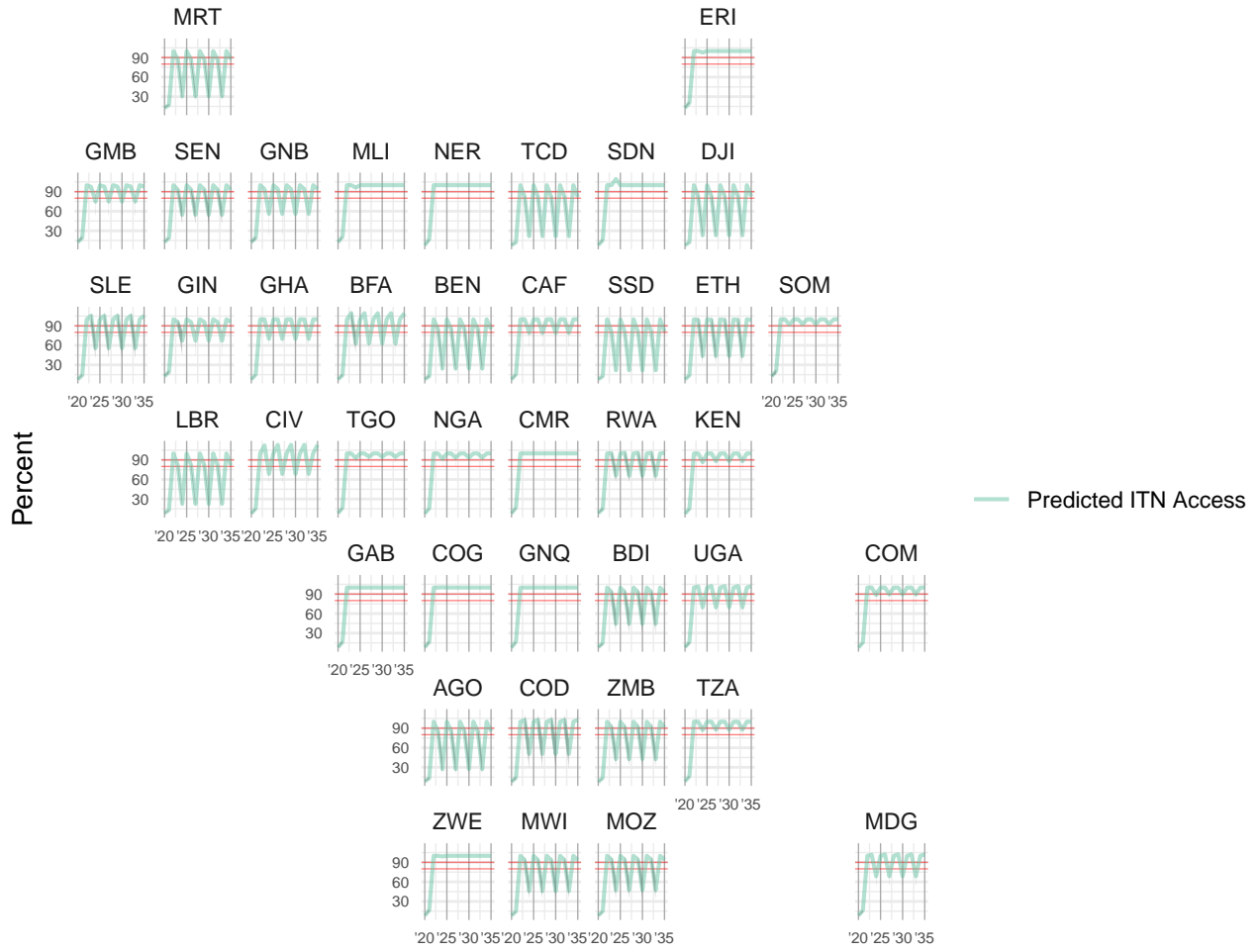
3-year mass campaigns with ANC/EPI, at population / 0.7



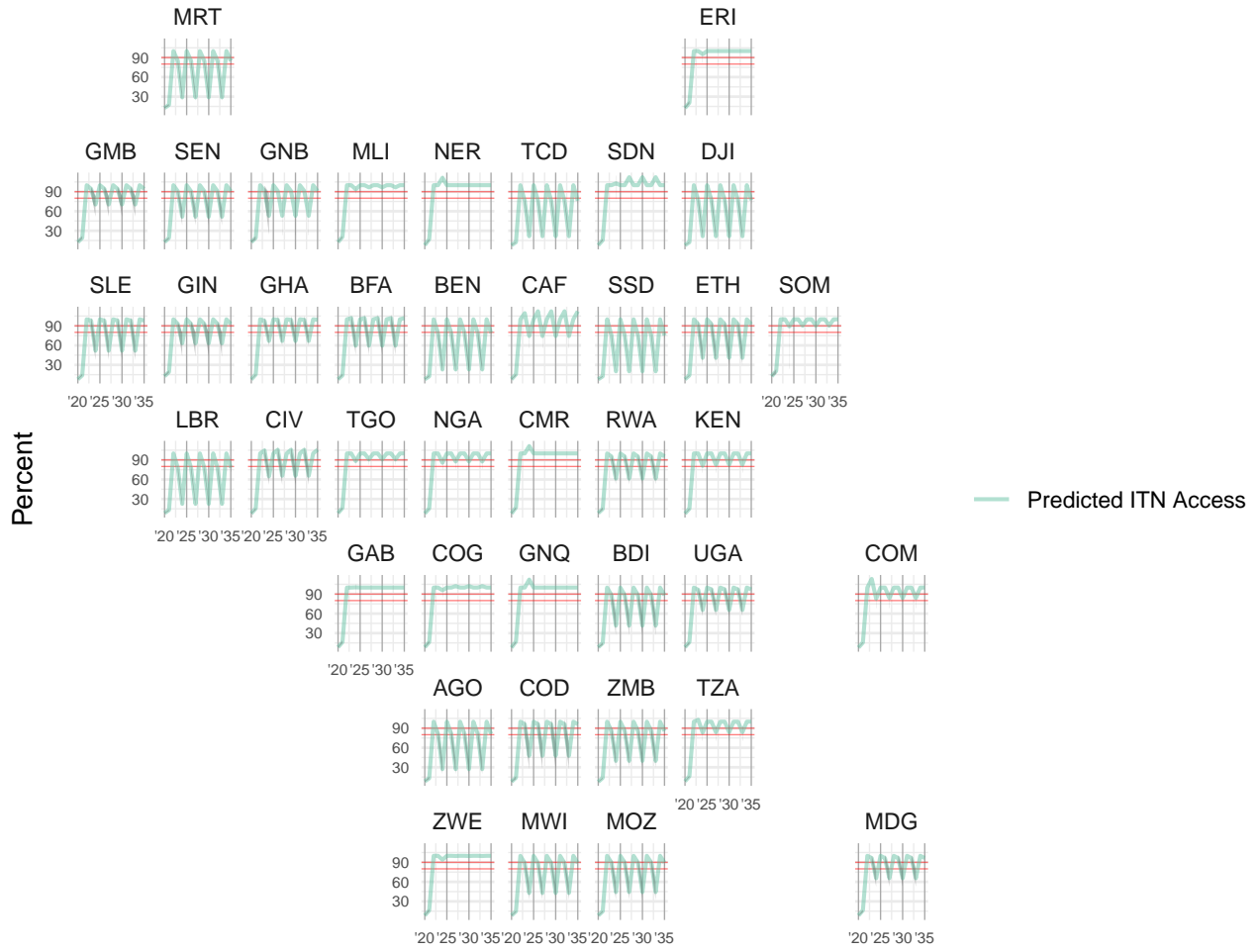
3-year mass campaigns with ANC/EPI, at population / 0.8



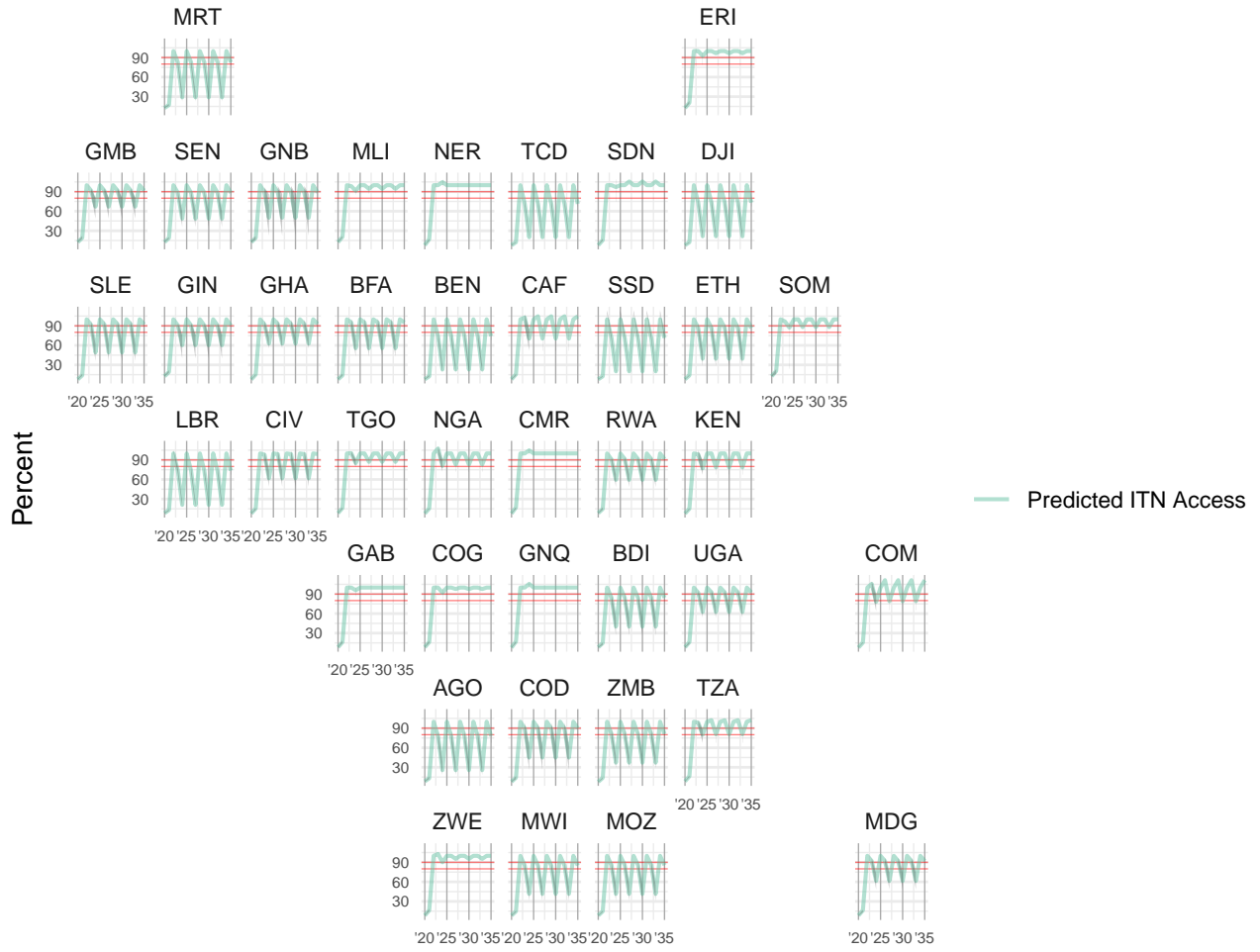
3-year mass campaigns with ANC/EPI, at population / 0.9



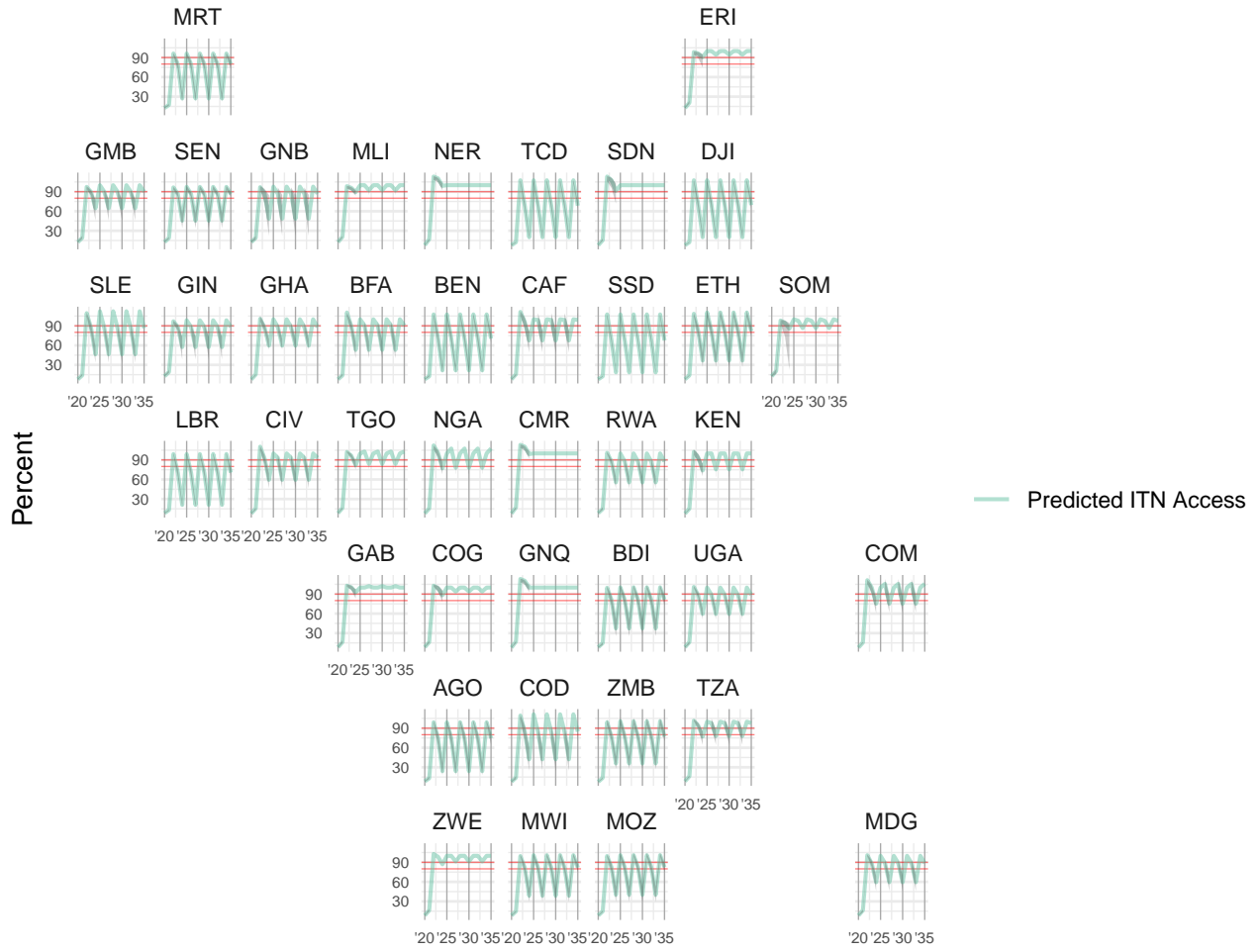
3-year mass campaigns with ANC/EPI, at population / 1



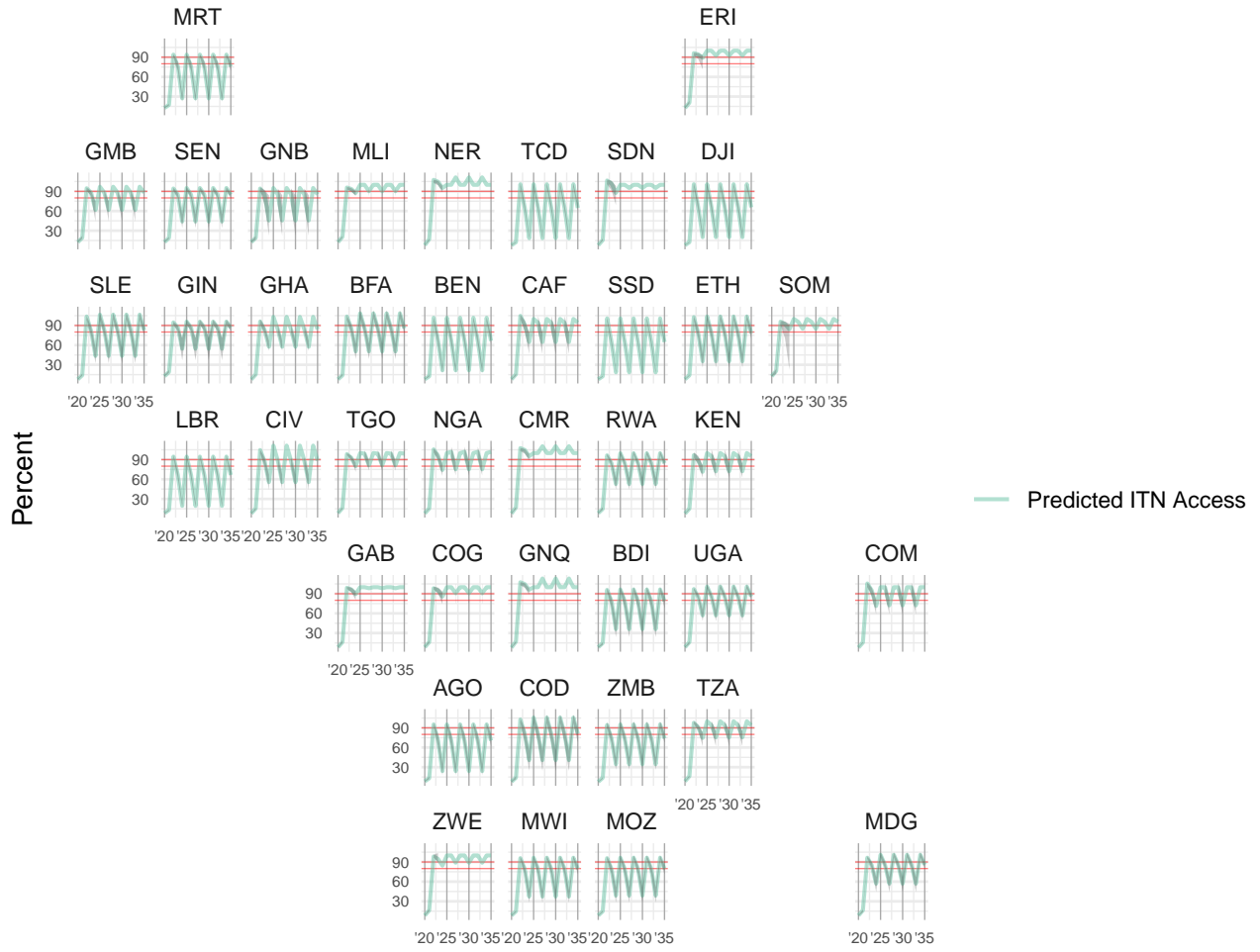
3-year mass campaigns with ANC/EPI, at population / 1.1



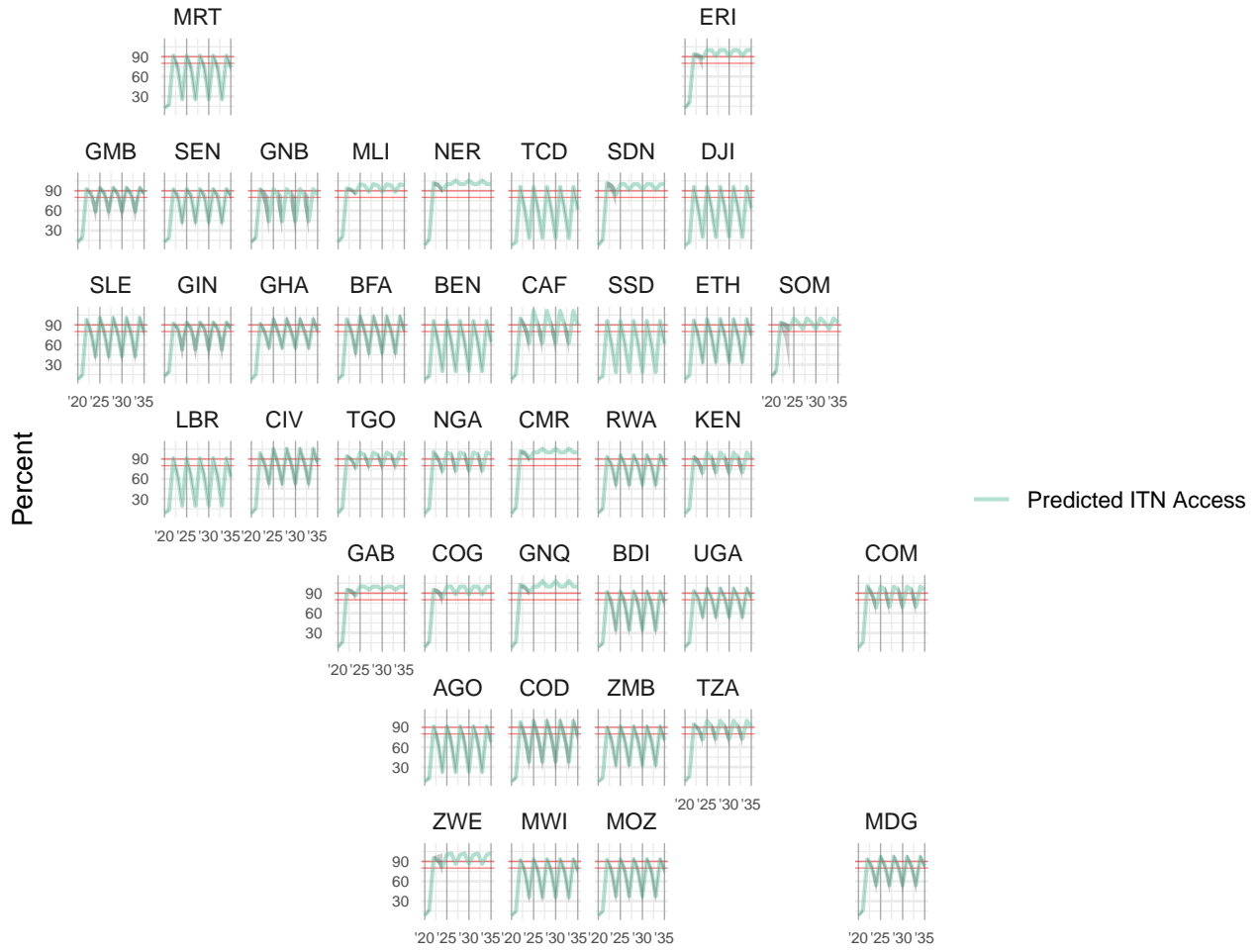
3-year mass campaigns with ANC/EPI, at population / 1.2



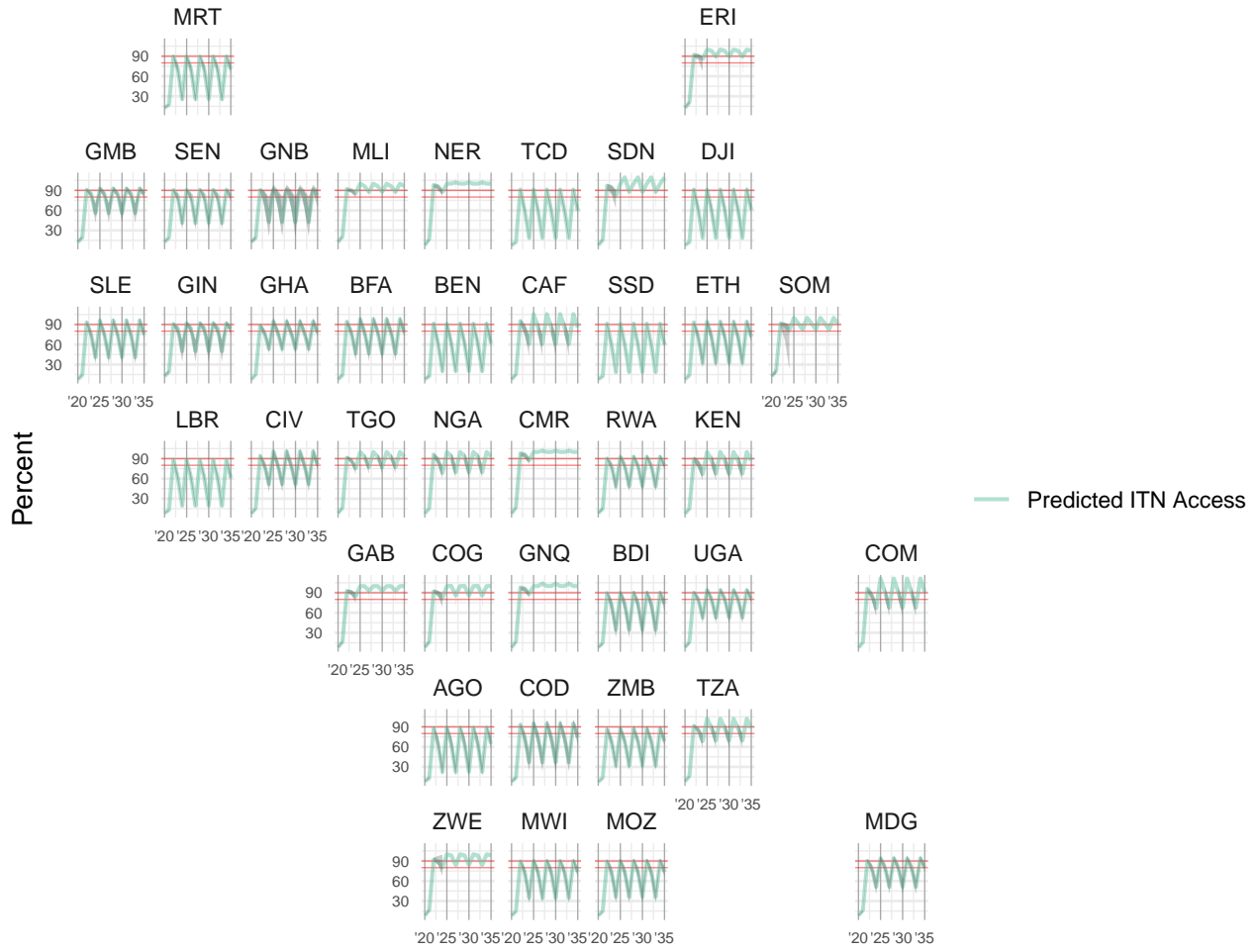
3-year mass campaigns with ANC/EPI, at population / 1.3



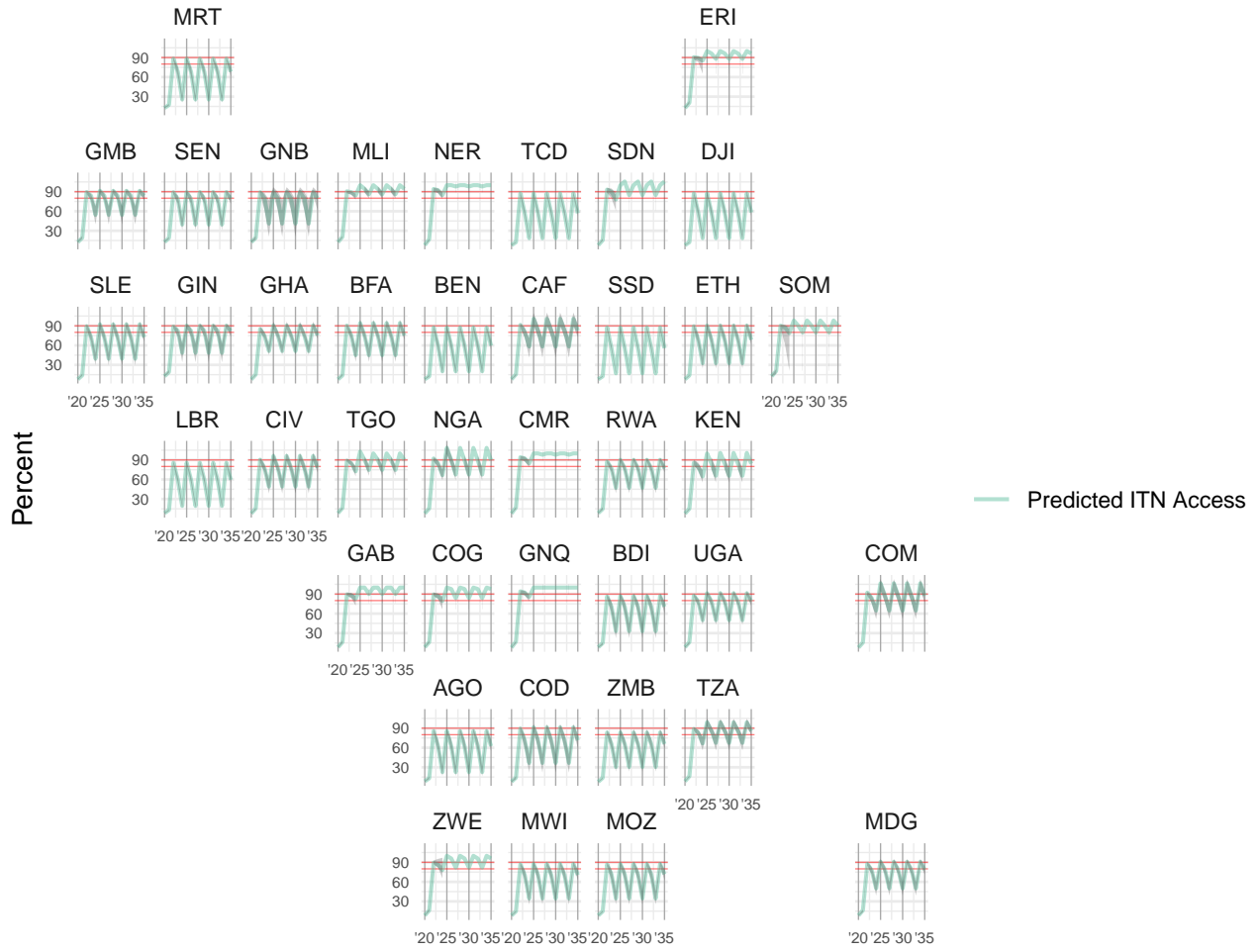
3-year mass campaigns with ANC/EPI, at population / 1.4



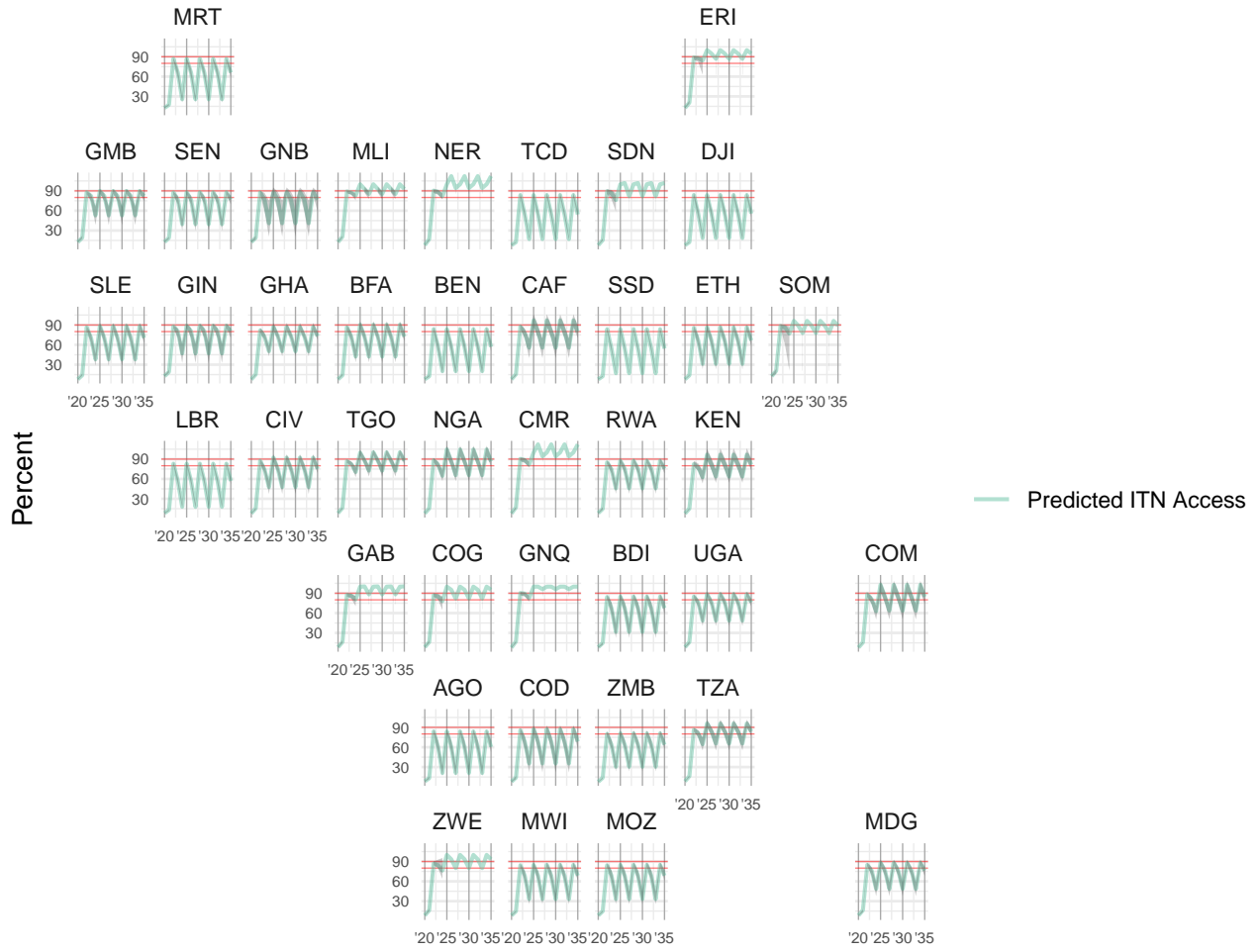
3-year mass campaigns with ANC/EPI, at population / 1.5



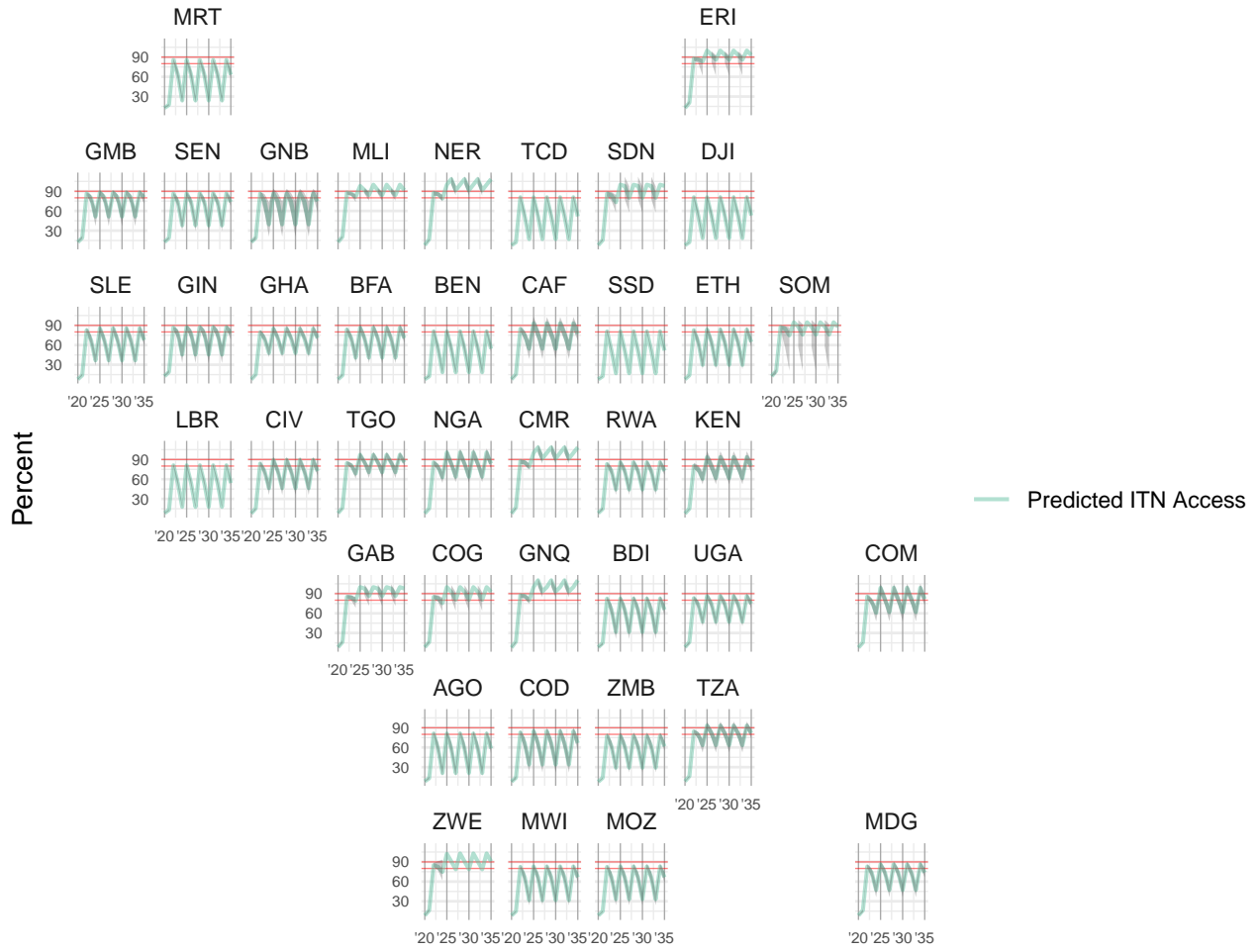
3-year mass campaigns with ANC/EPI, at population / 1.6



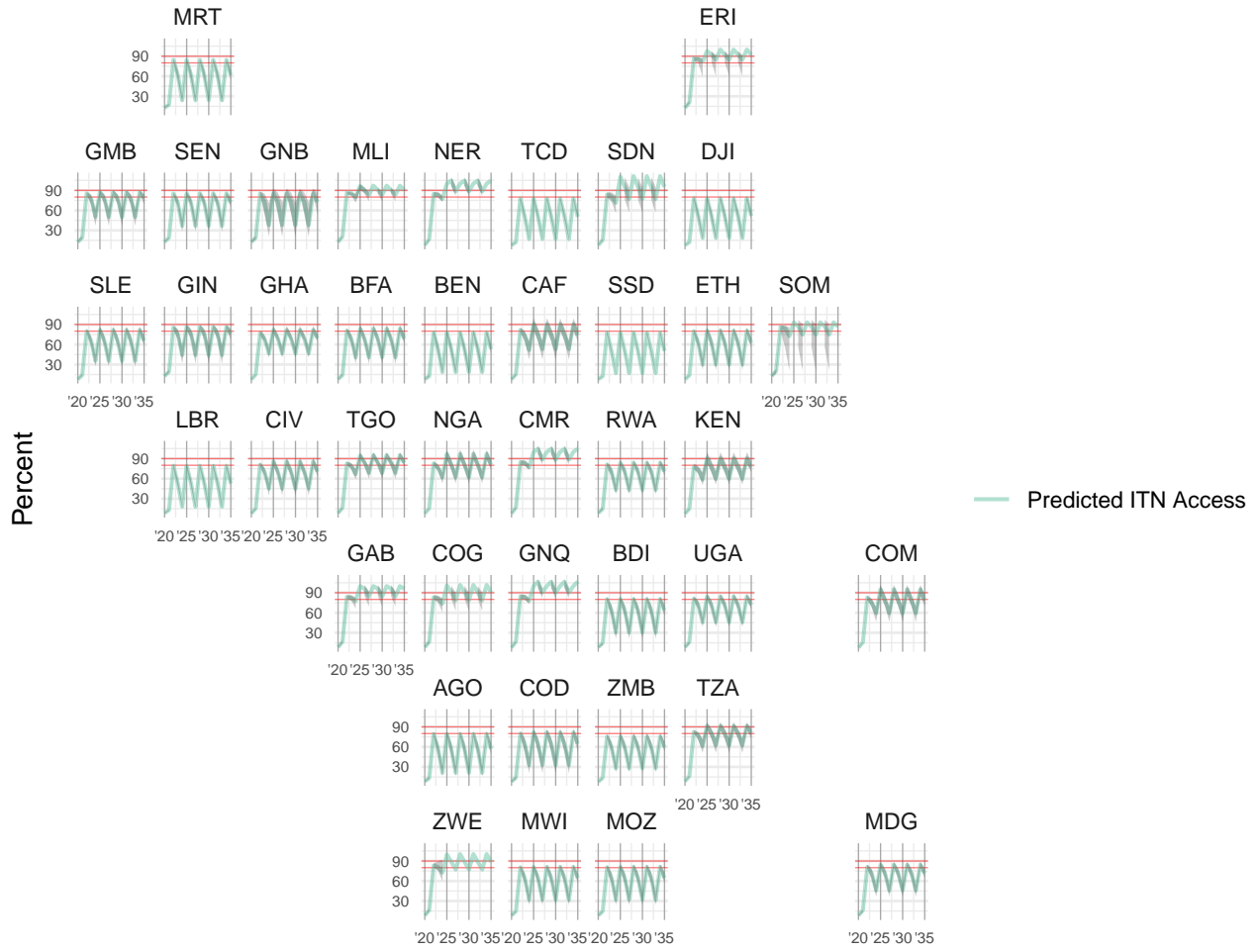
3-year mass campaigns with ANC/EPI, at population / 1.7



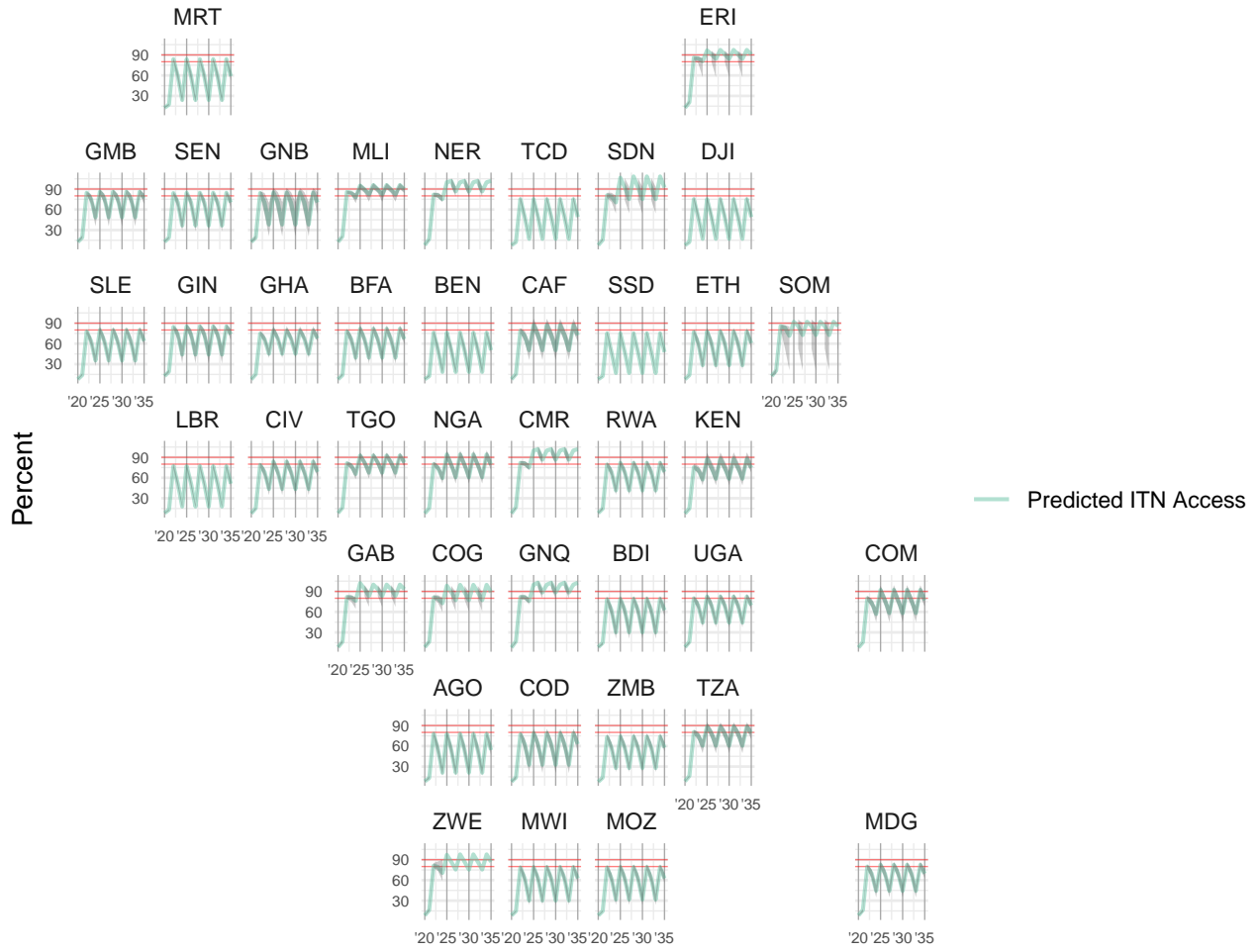
3-year mass campaigns with ANC/EPI, at population / 1.8



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

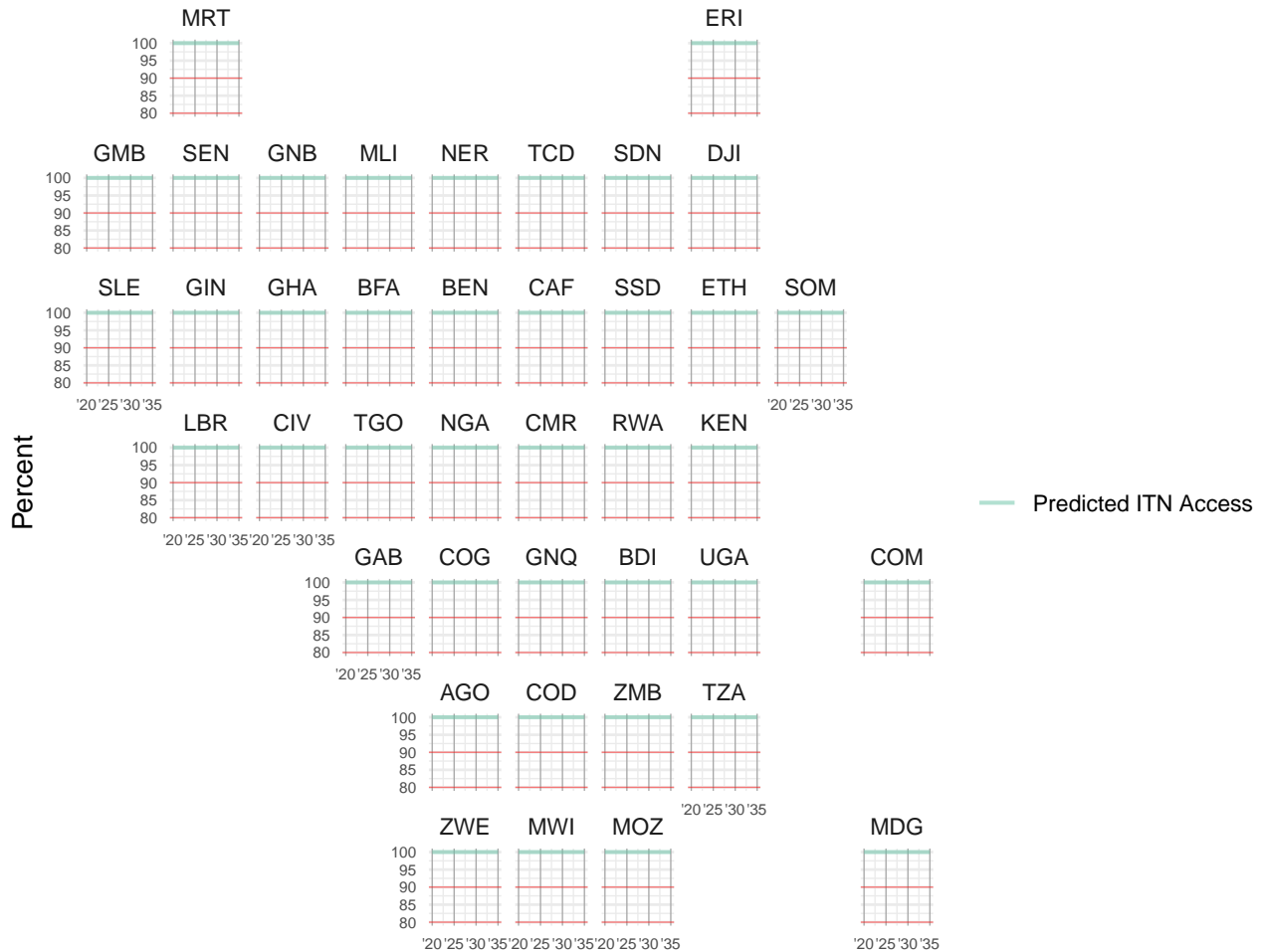


3-year mass campaigns with ANC/EPI, at population / 2

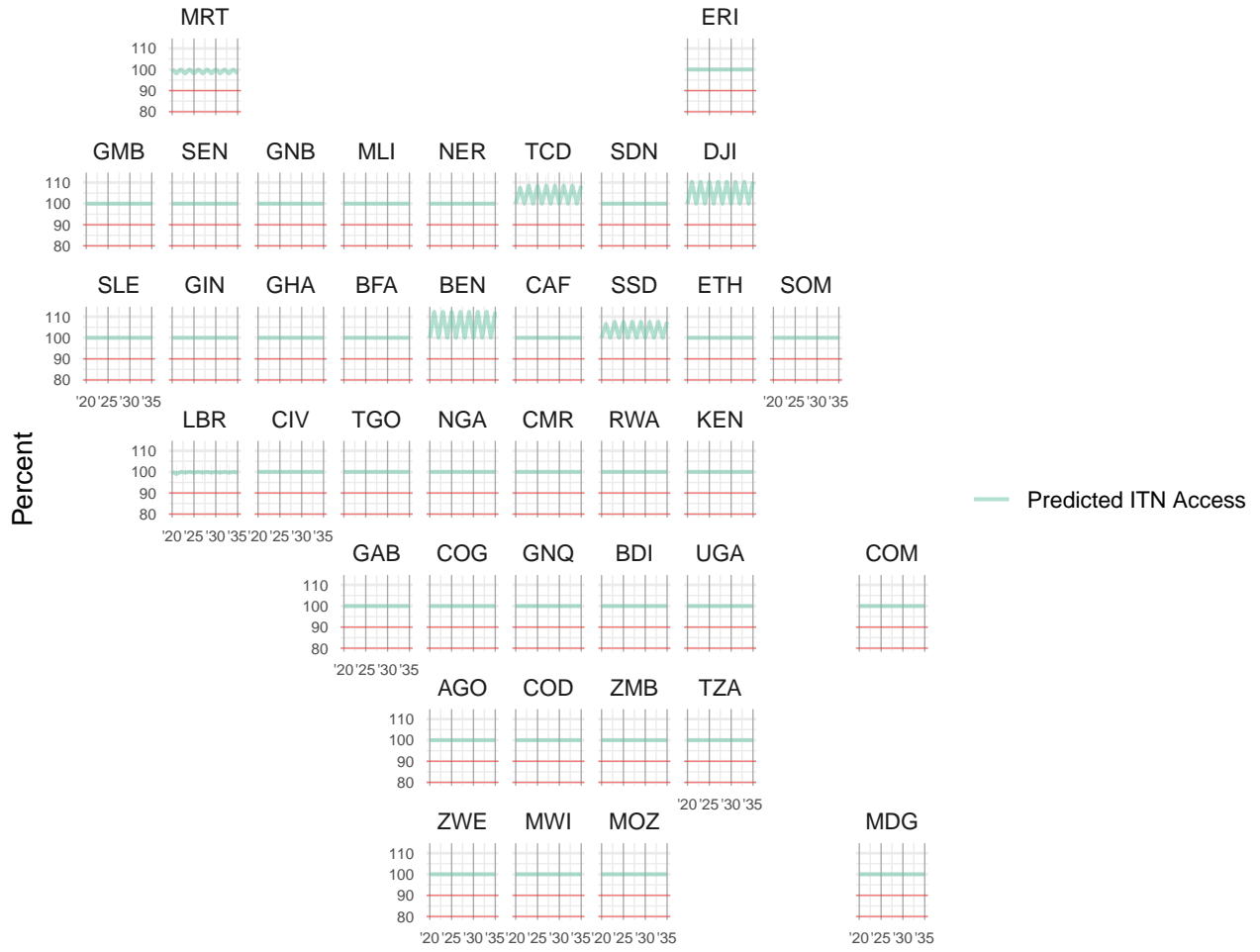


5 Scenario 5 - Two-year mass campaigns with ANC/EPI distribution at 6%, varying campaign quantifier

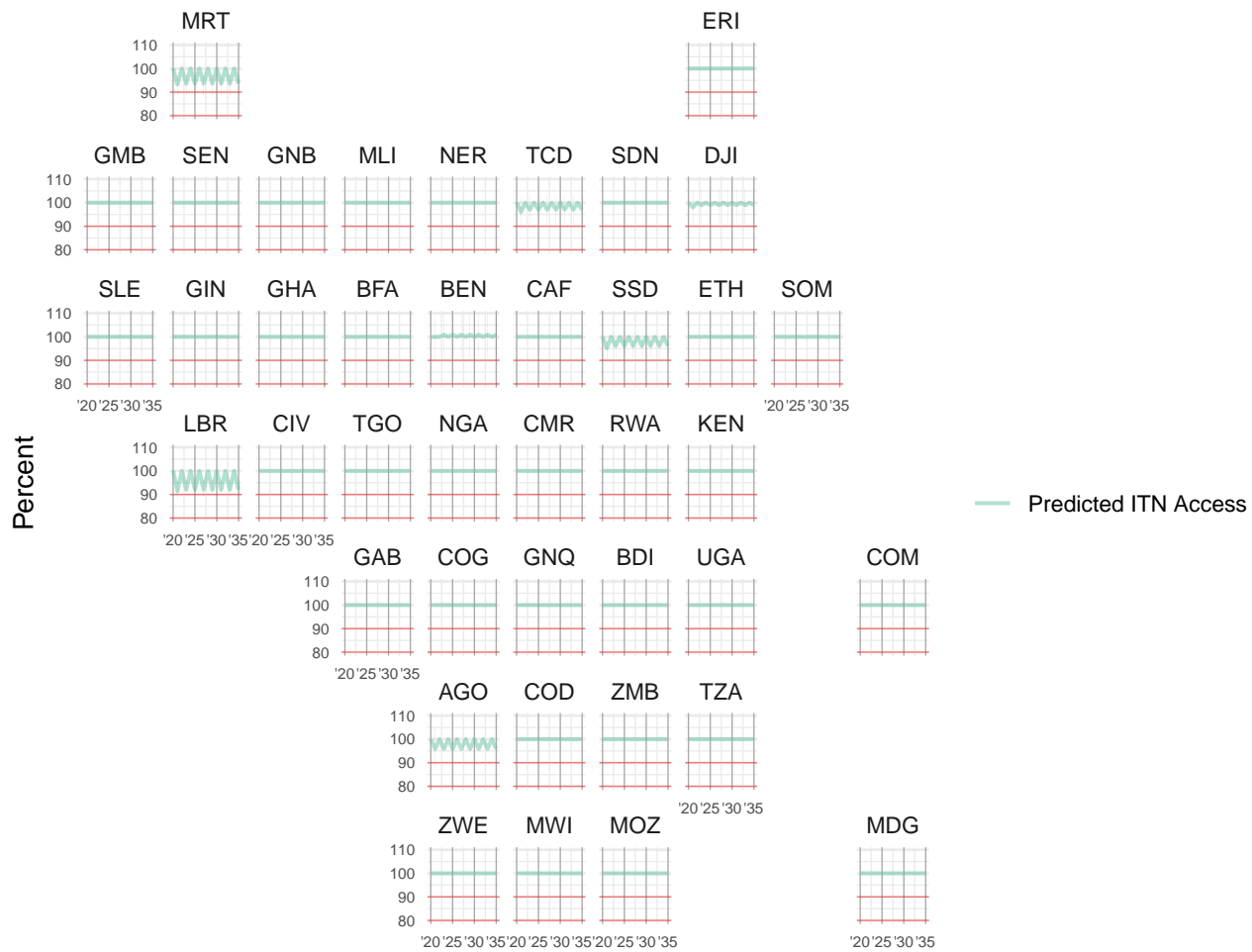
2-year mass campaigns with ANC/EPI,
at population / 0.5



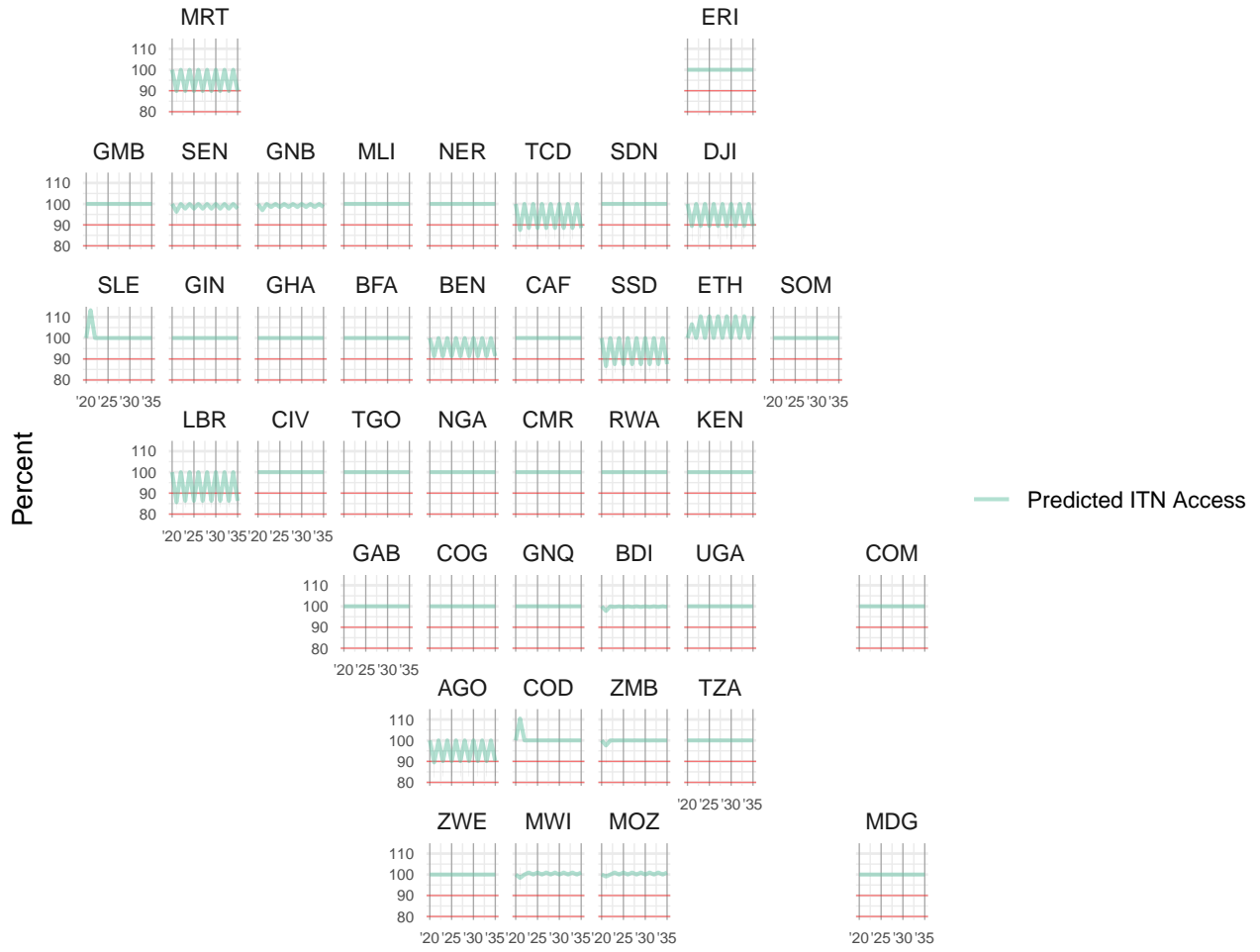
2-year mass campaigns with ANC/EPI,
at population / 0.6



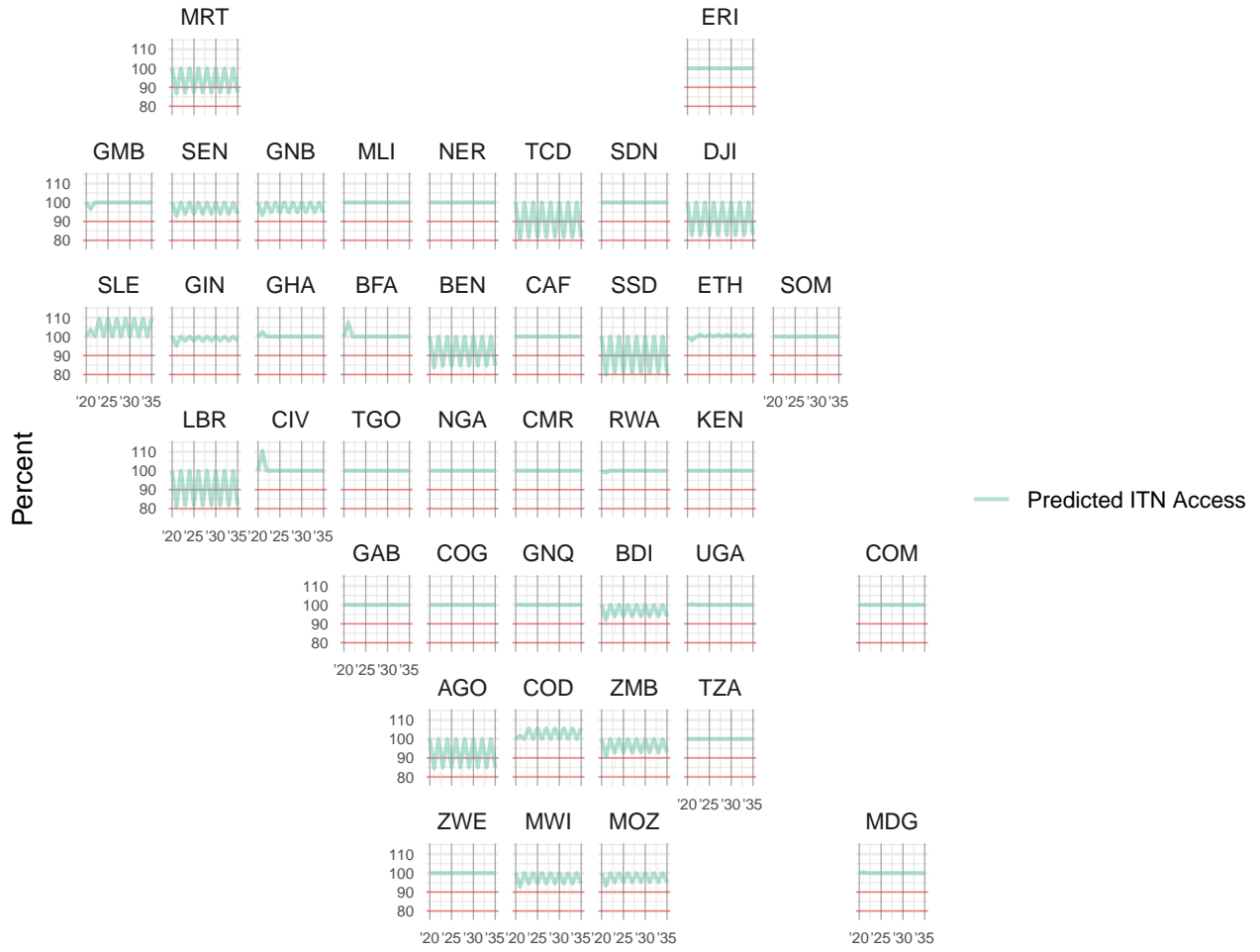
2-year mass campaigns with ANC/EPI, at population / 0.7



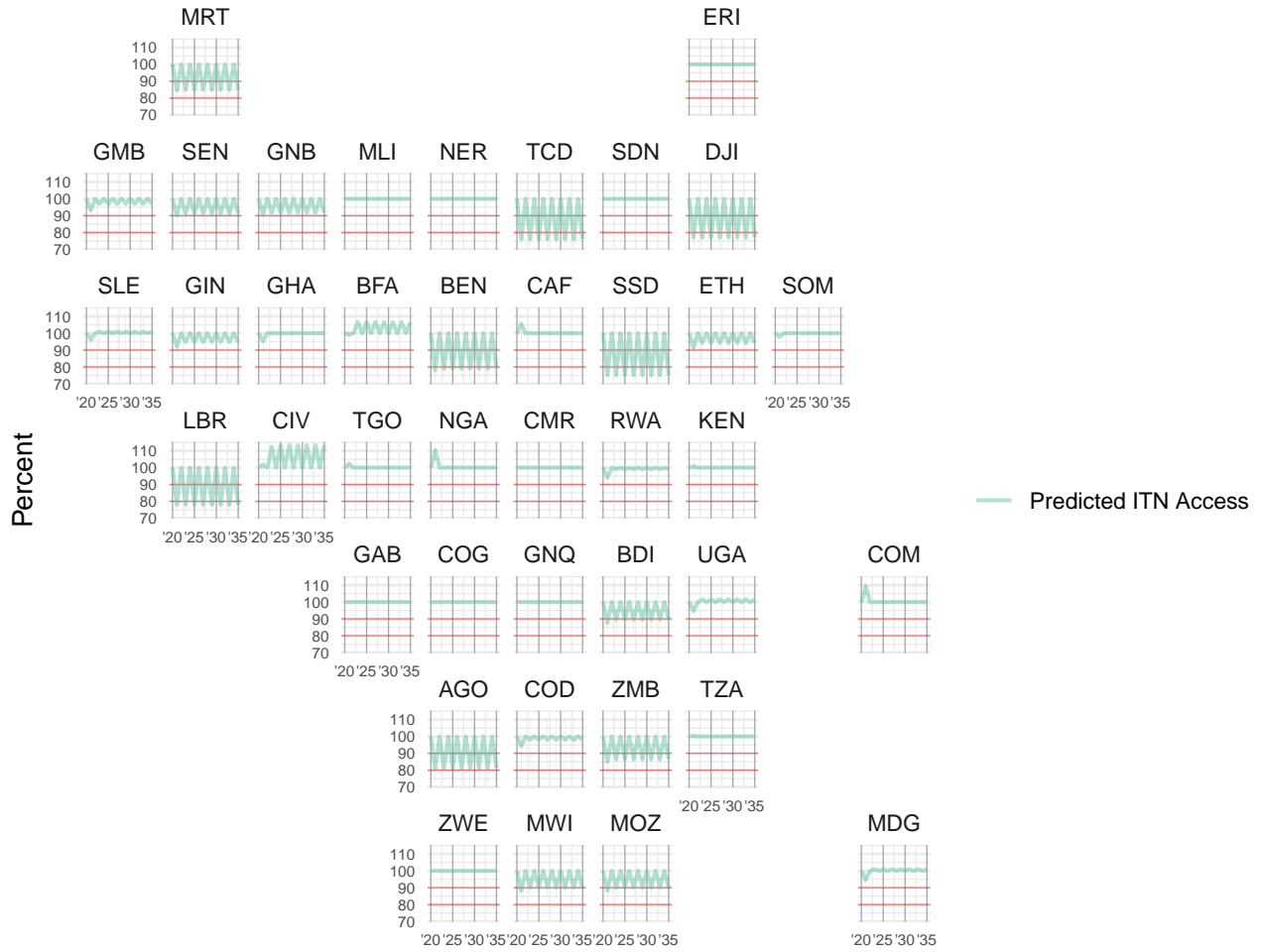
2-year mass campaigns with ANC/EPI,
at population / 0.8



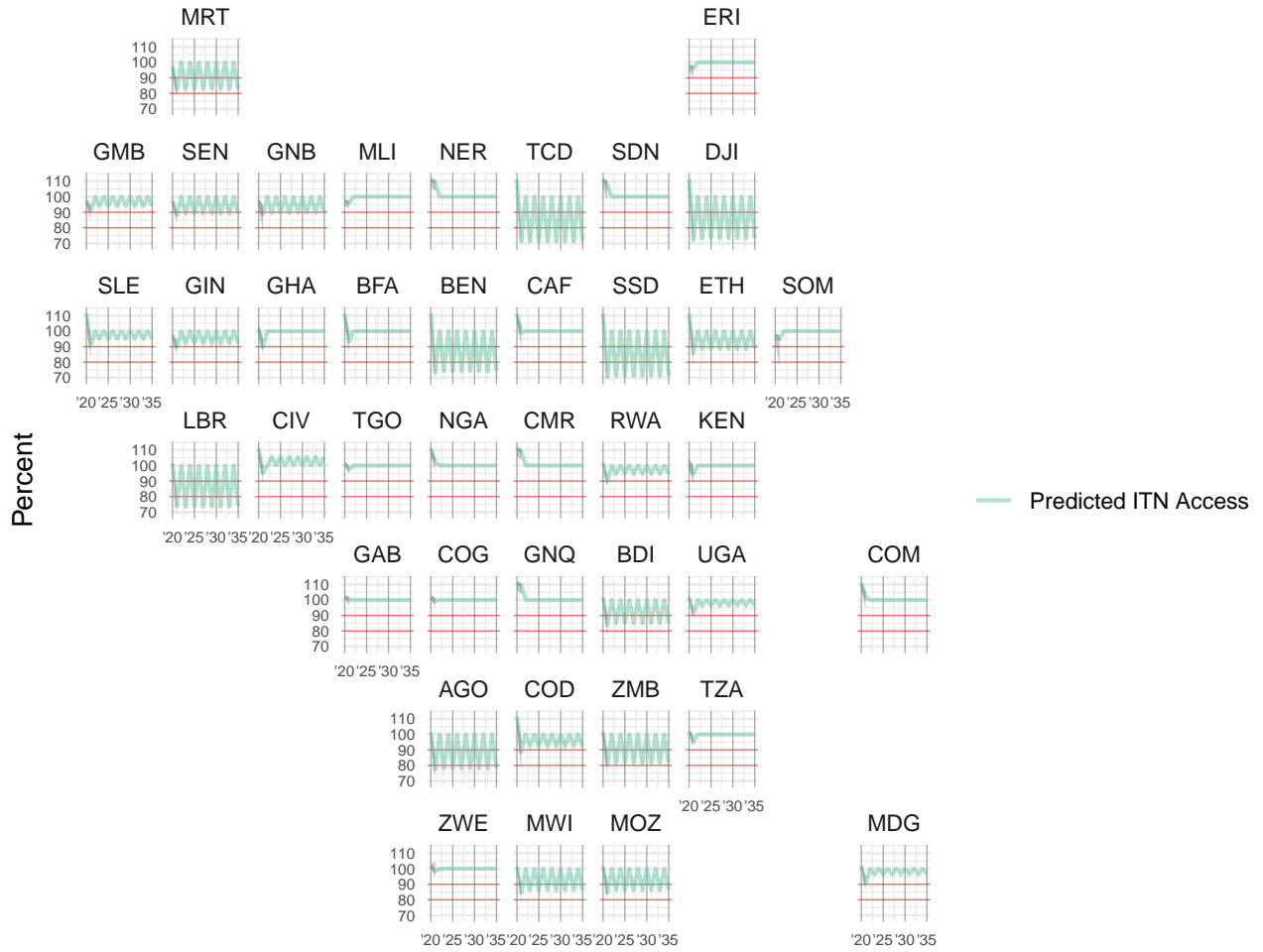
2-year mass campaigns with ANC/EPI,
at population / 0.9



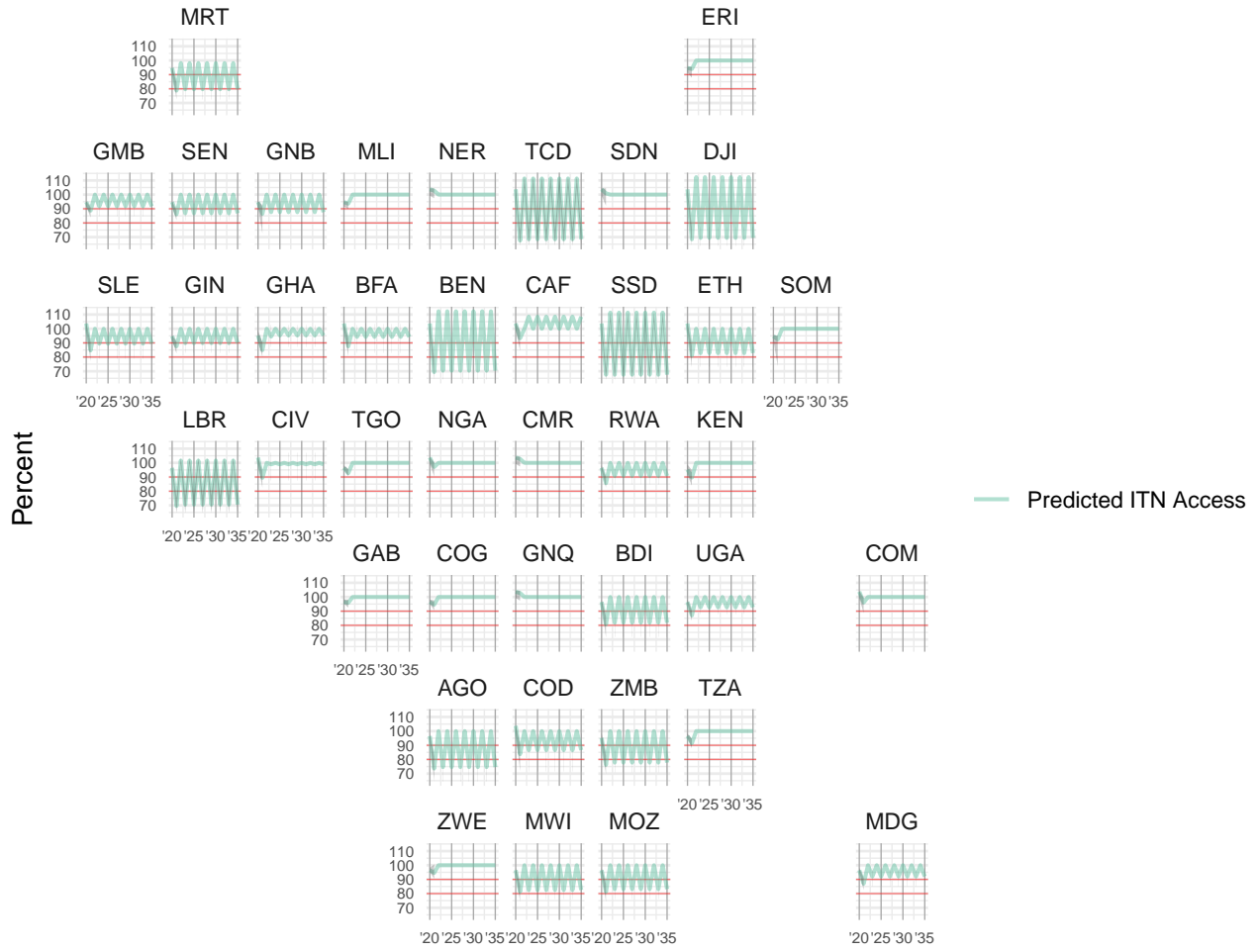
2-year mass campaigns with ANC/EPI, at population / 1



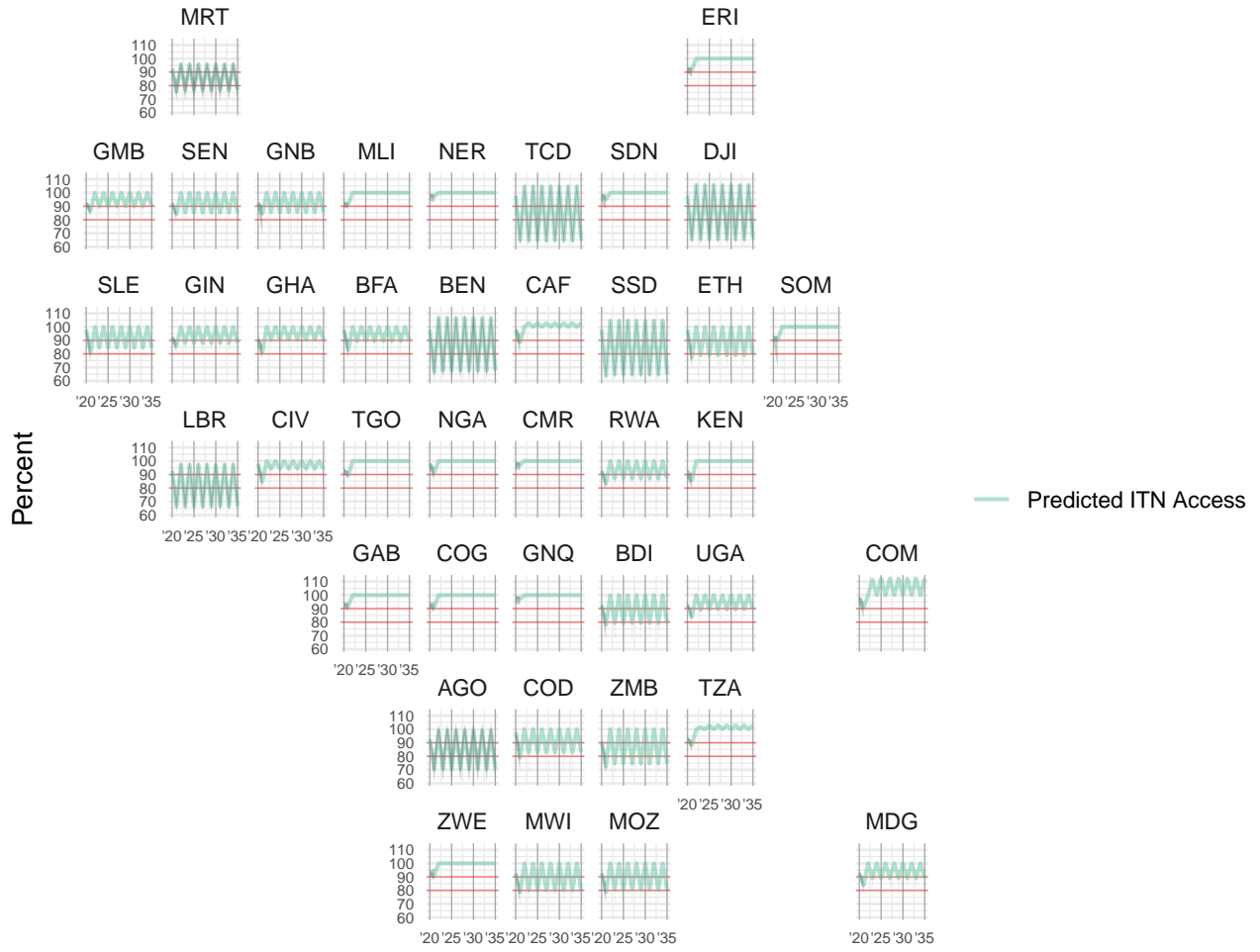
2-year mass campaigns with ANC/EPI,
at population / 1.1



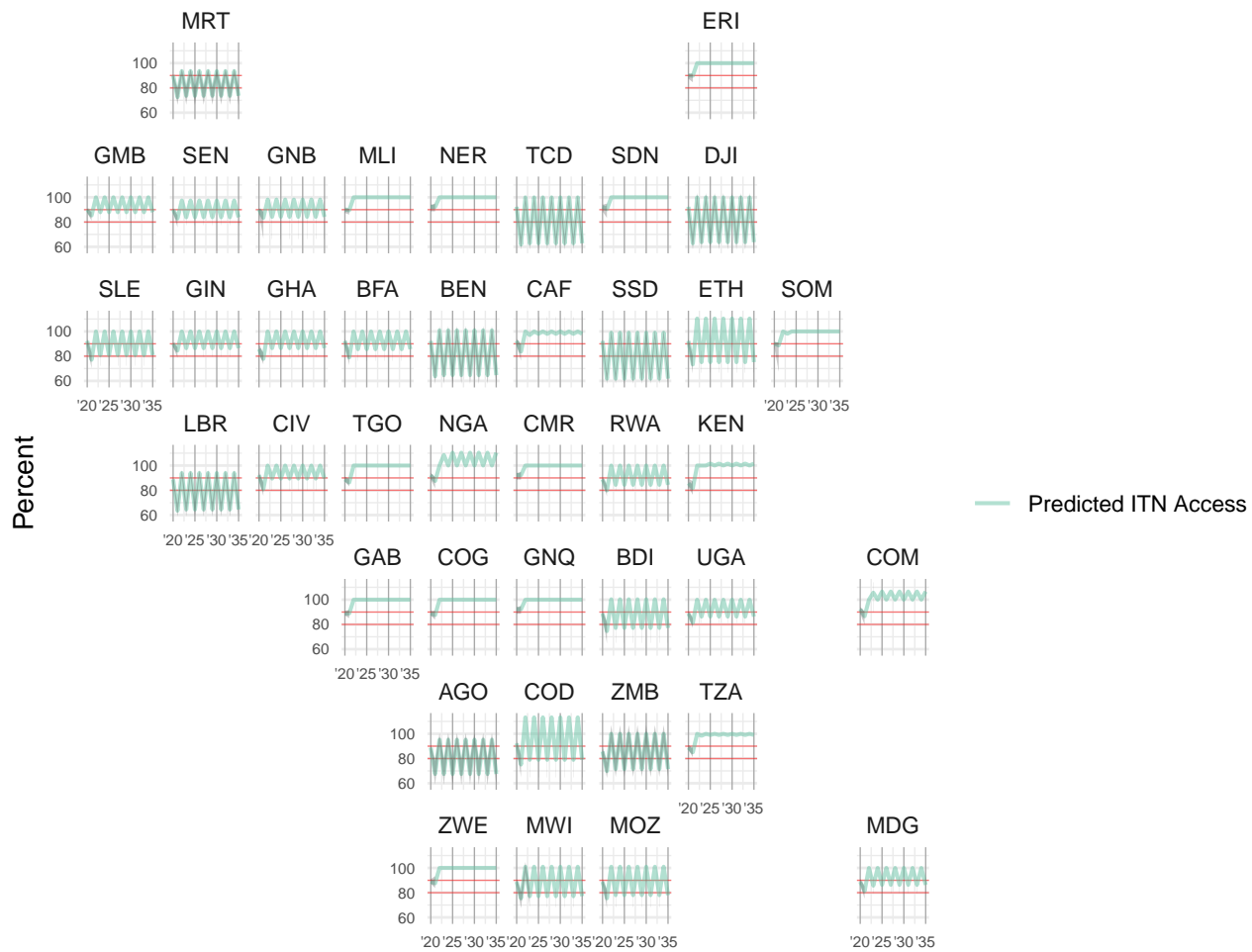
2-year mass campaigns with ANC/EPI,
at population / 1.2



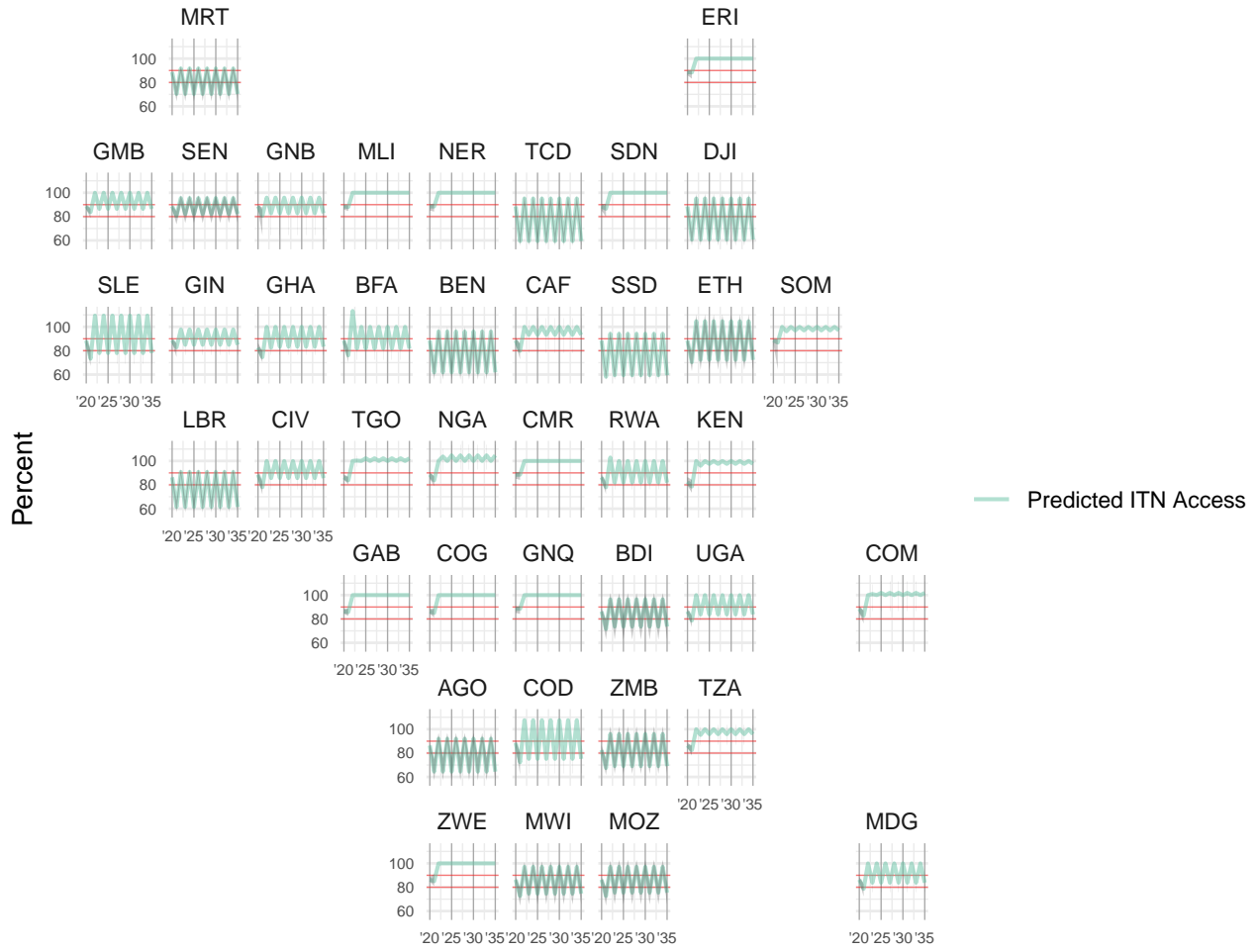
2-year mass campaigns with ANC/EPI,
at population / 1.3



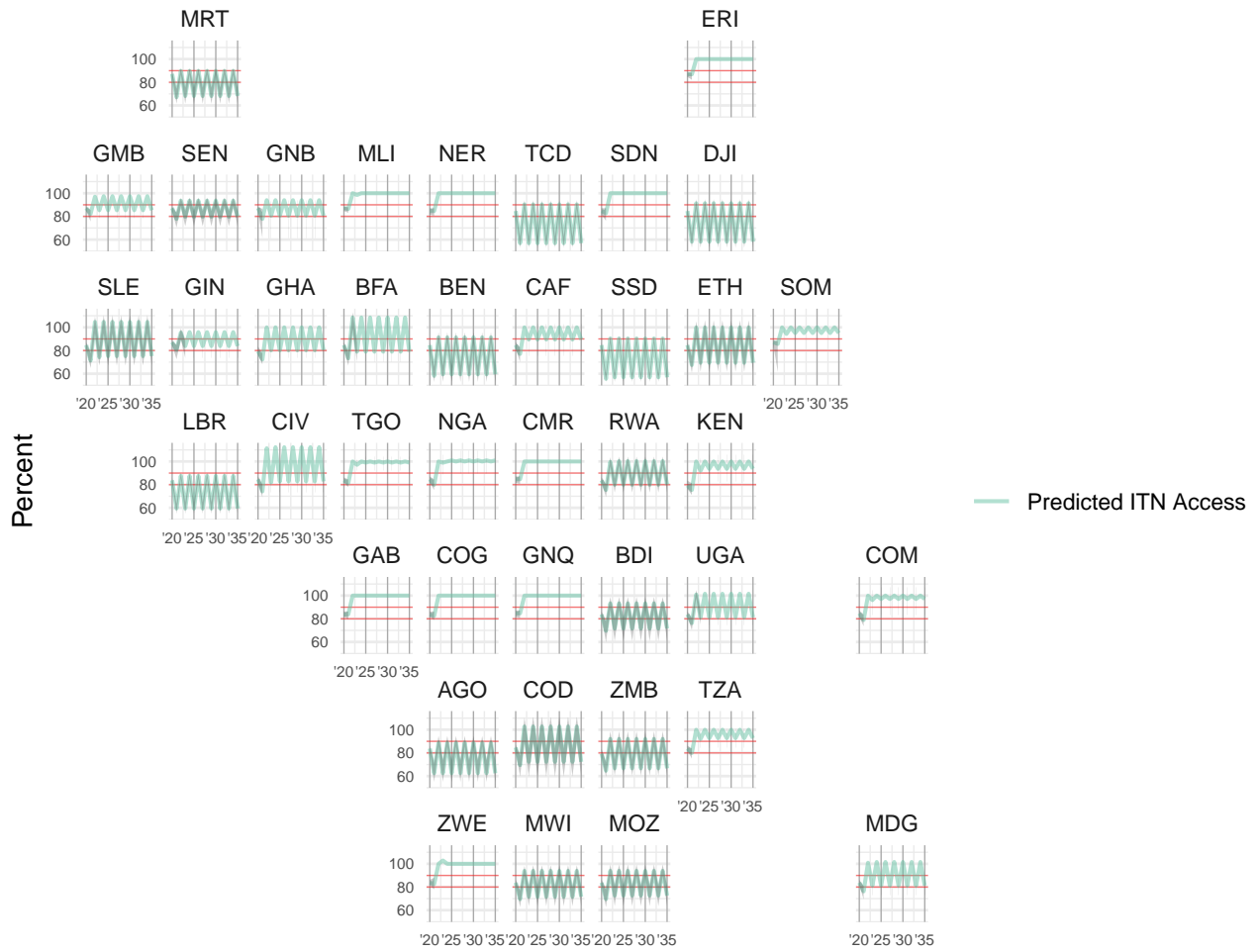
2-year mass campaigns with ANC/EPI, at population / 1.4



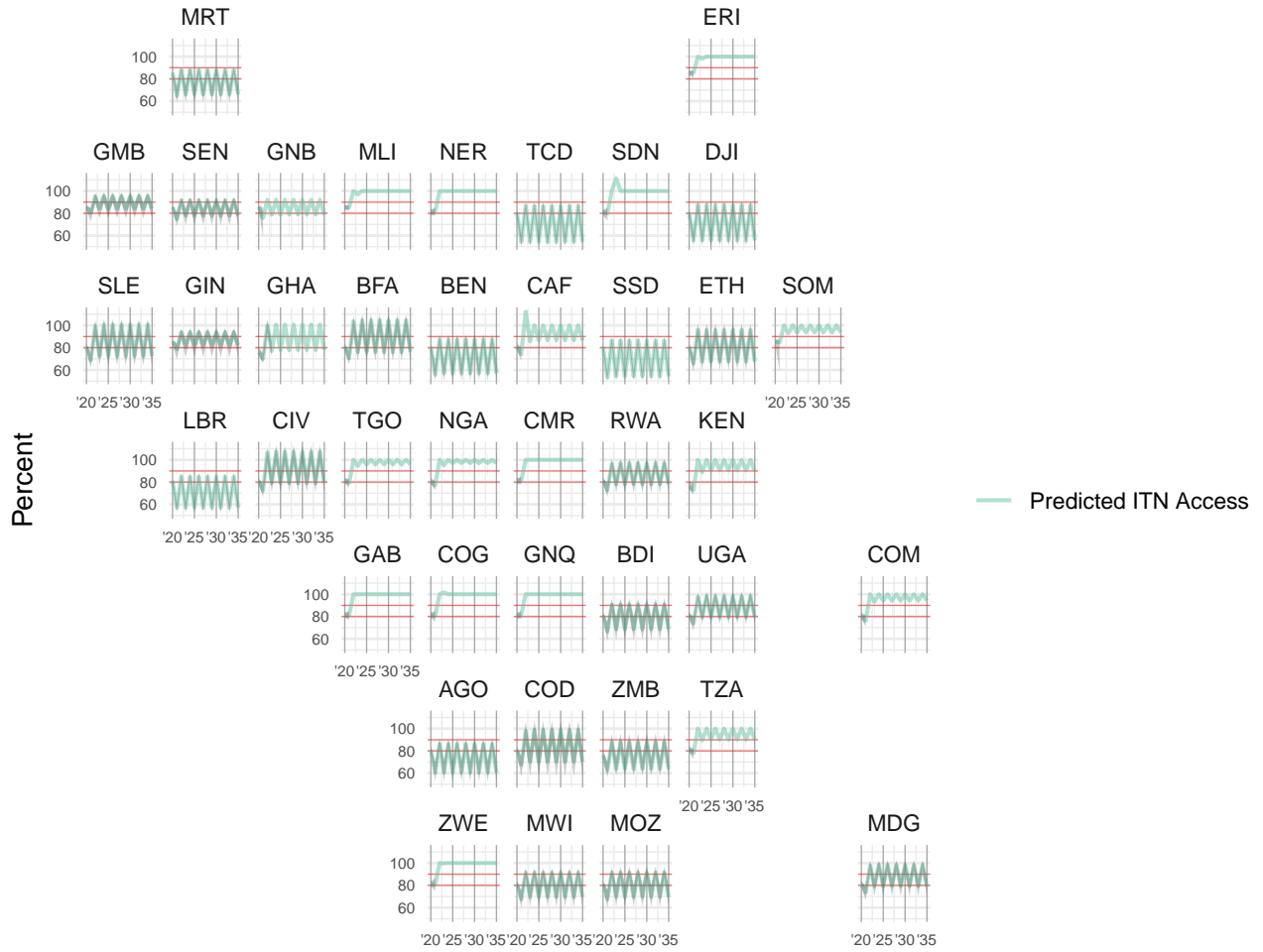
2-year mass campaigns with ANC/EPI,
at population / 1.5



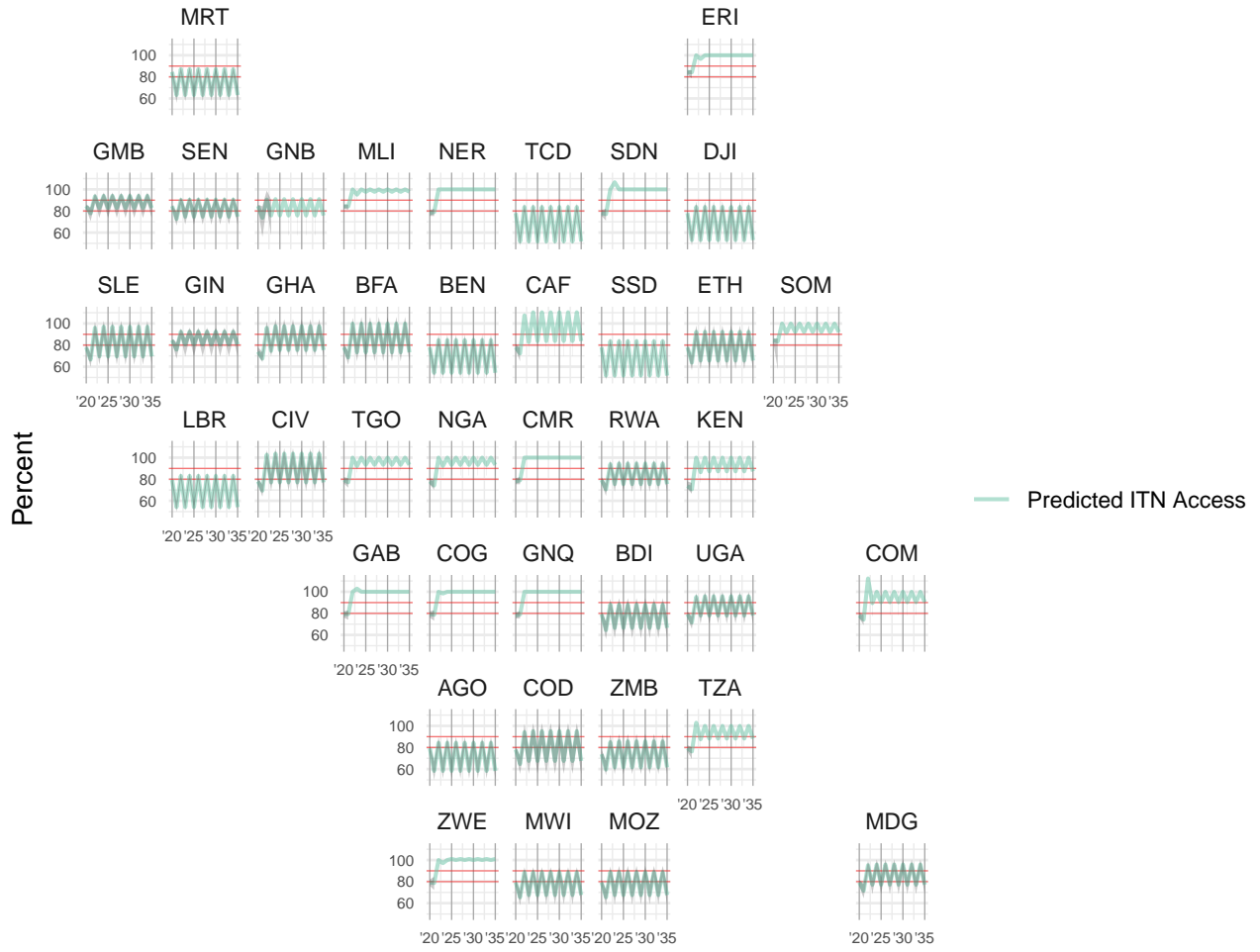
2-year mass campaigns with ANC/EPI,
at population / 1.6



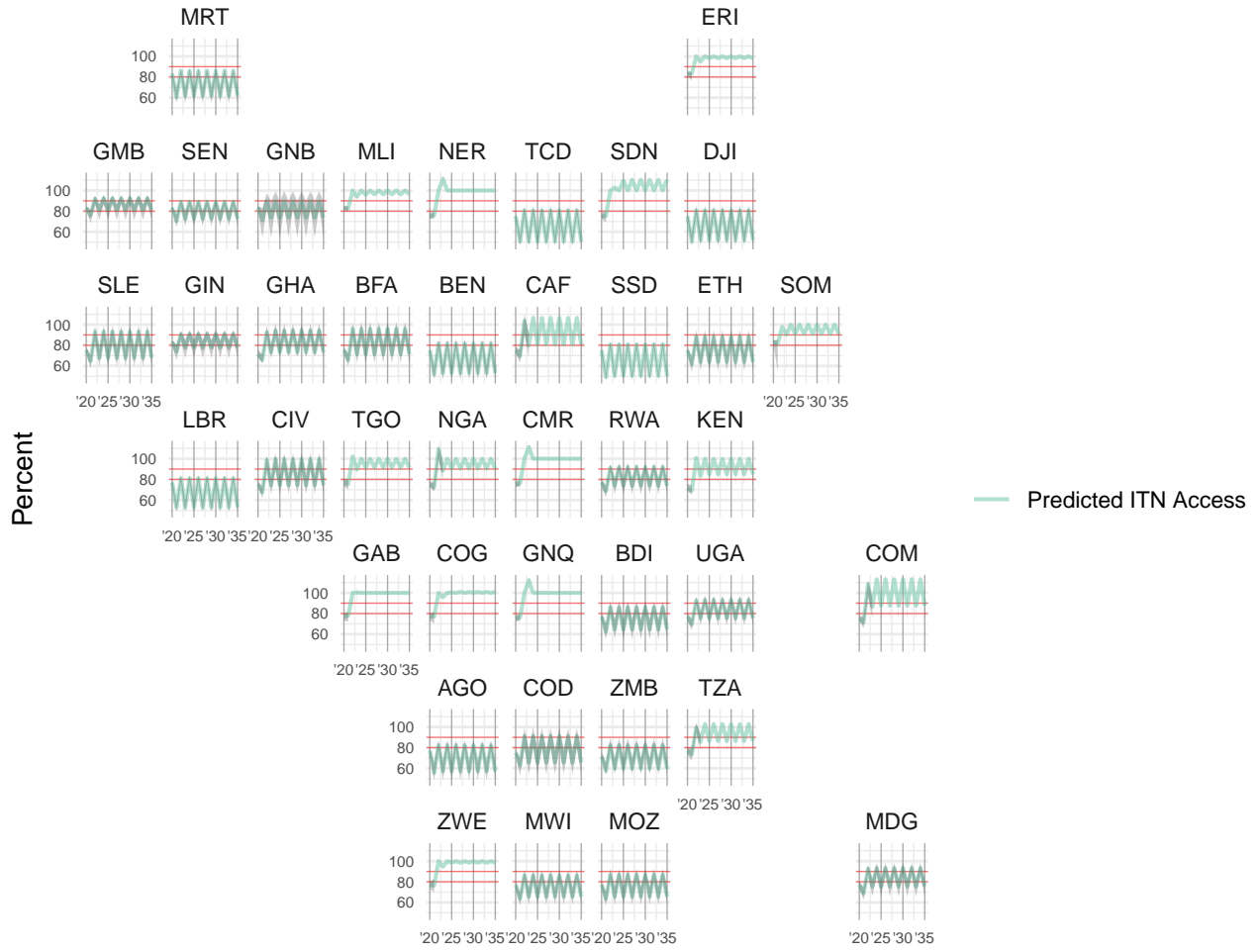
2-year mass campaigns with ANC/EPI,
at population / 1.7



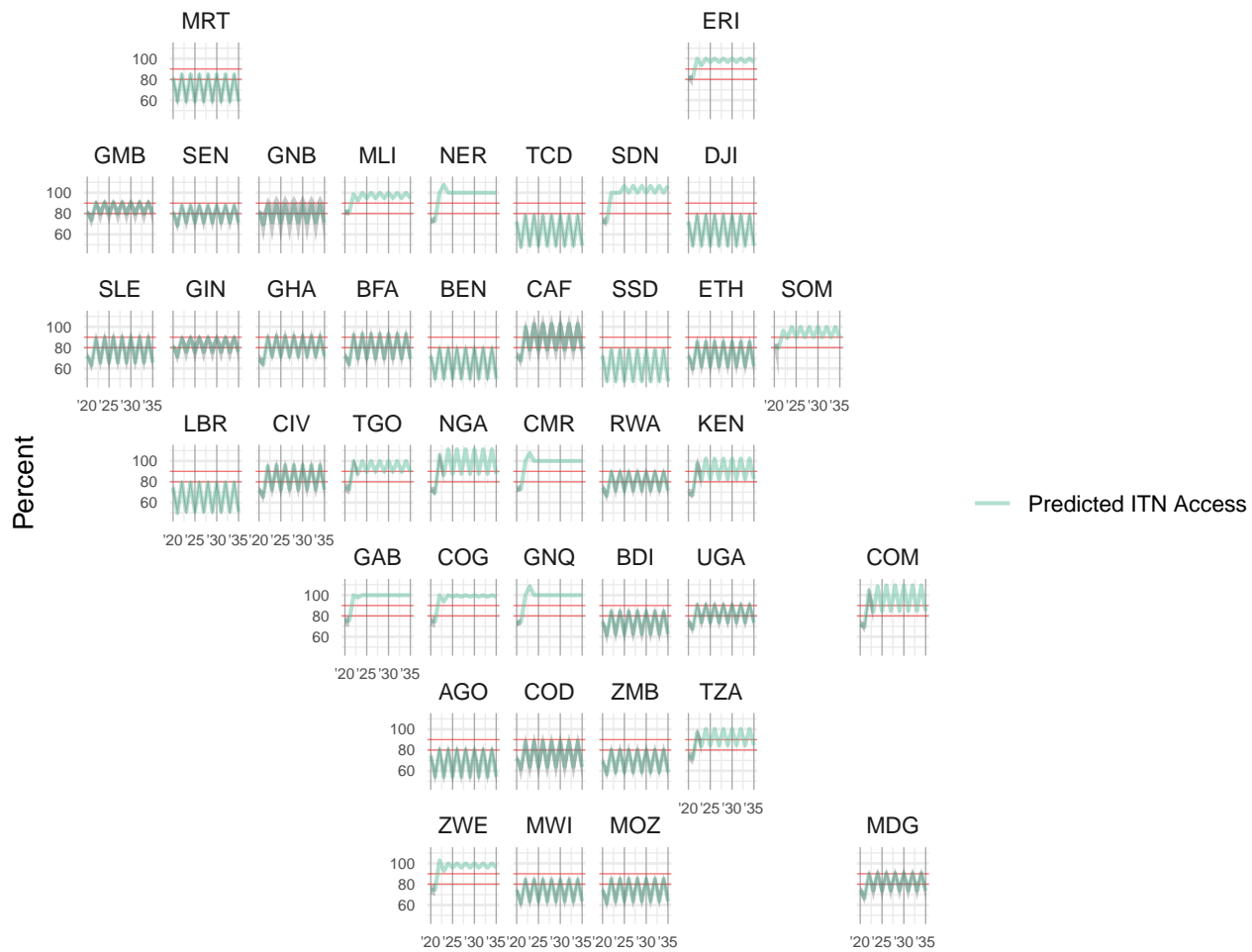
2-year mass campaigns with ANC/EPI,
at population / 1.8



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

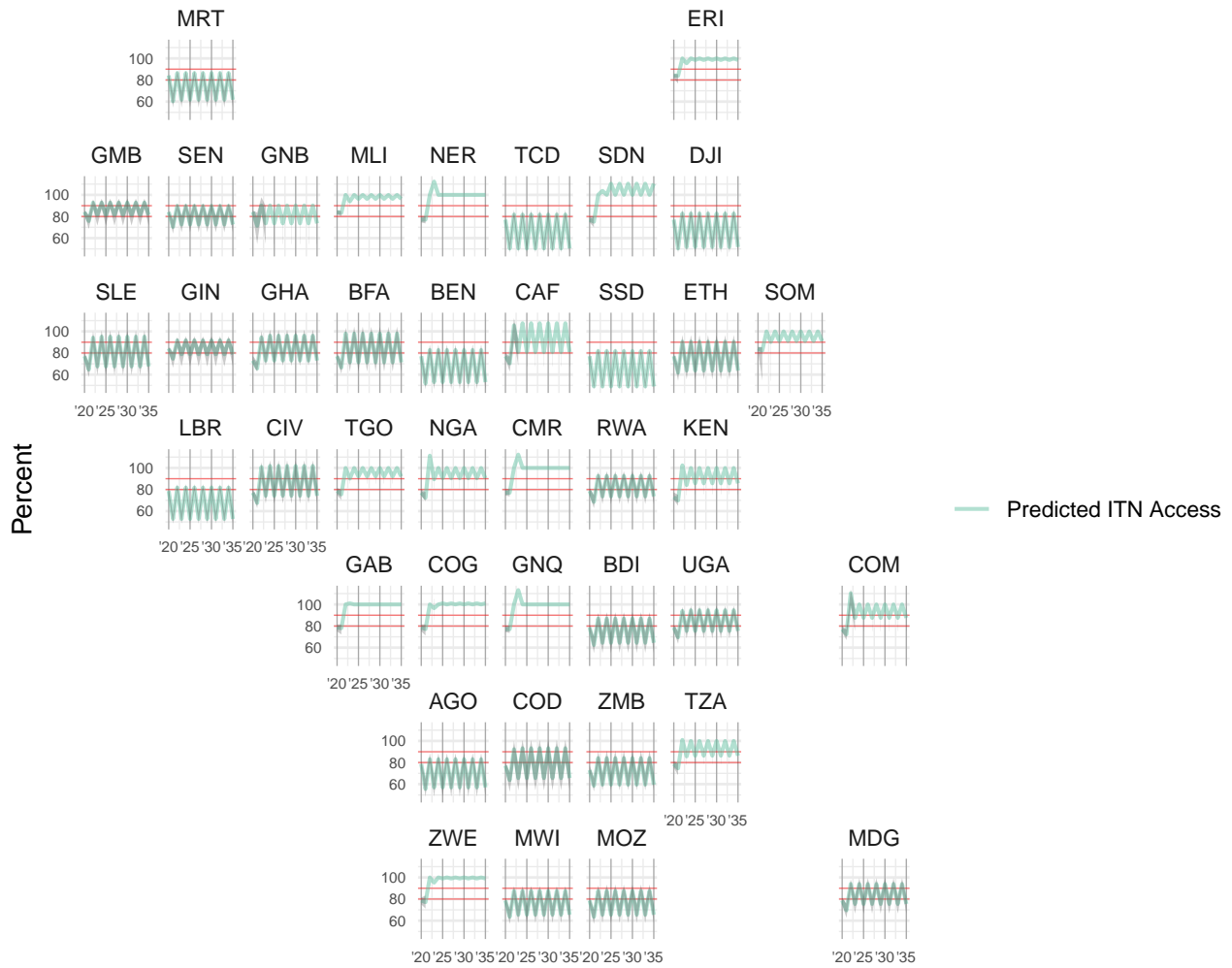


2-year mass campaigns with ANC/EPI, at population / 2

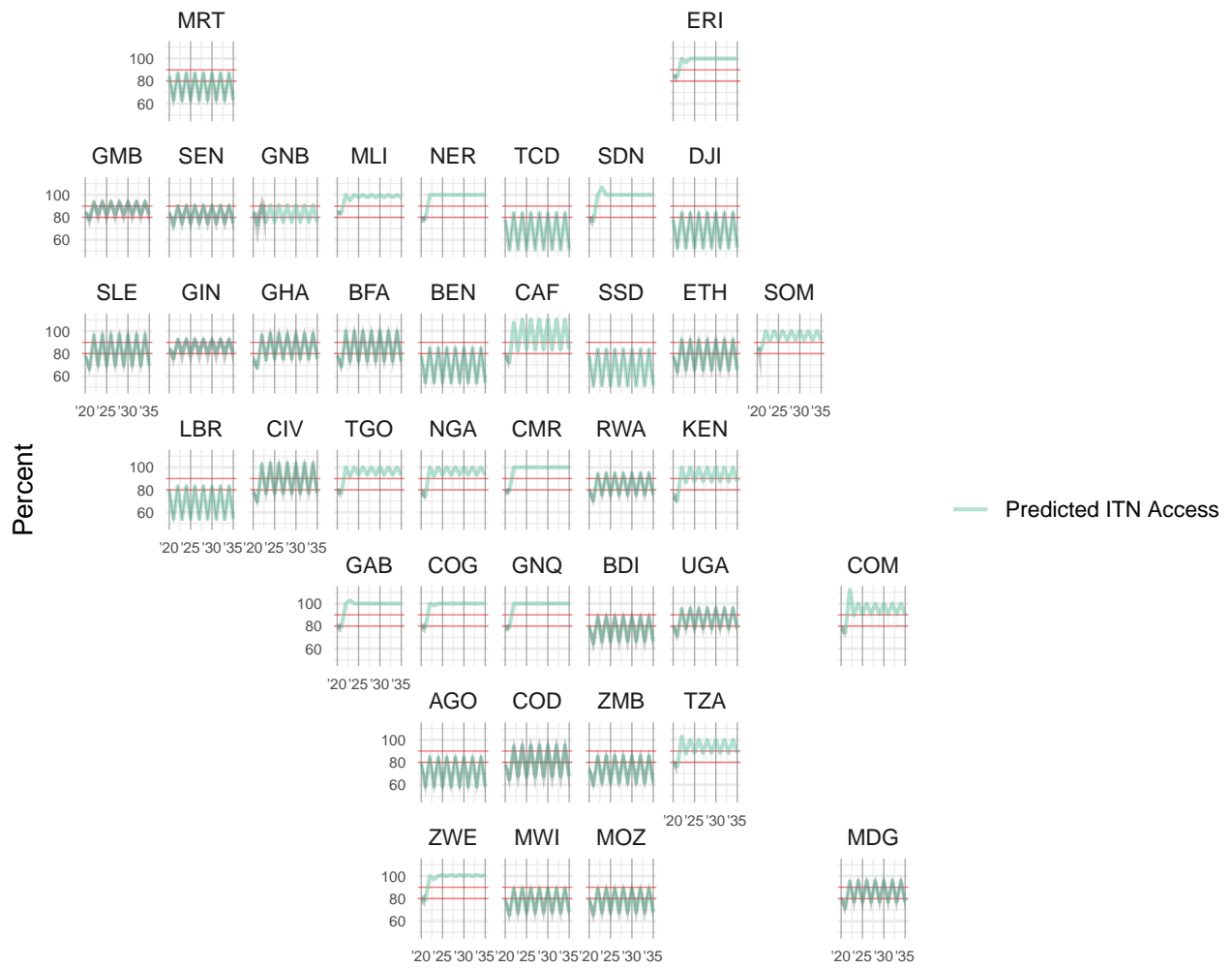


6 Scenario 6 - Two-year mass campaigns with varying ANC/EPI distribution

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



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



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

