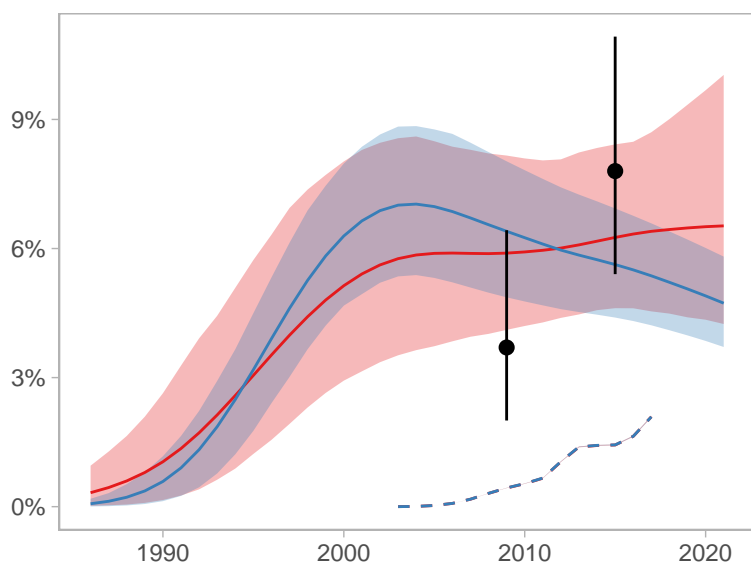
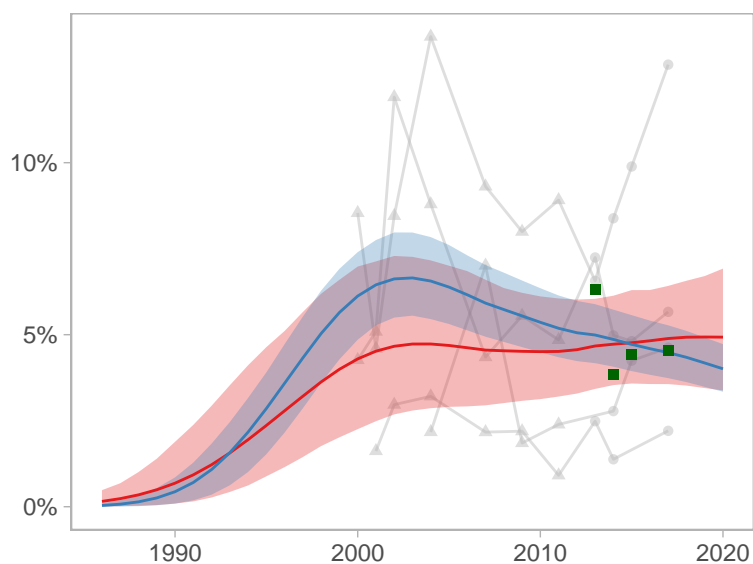


Mozambique – NORTH_Niassa

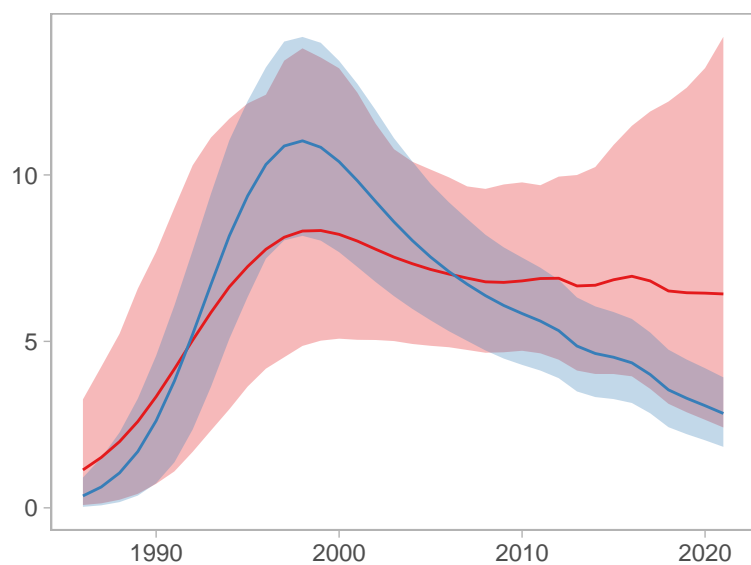
HIV prevalence



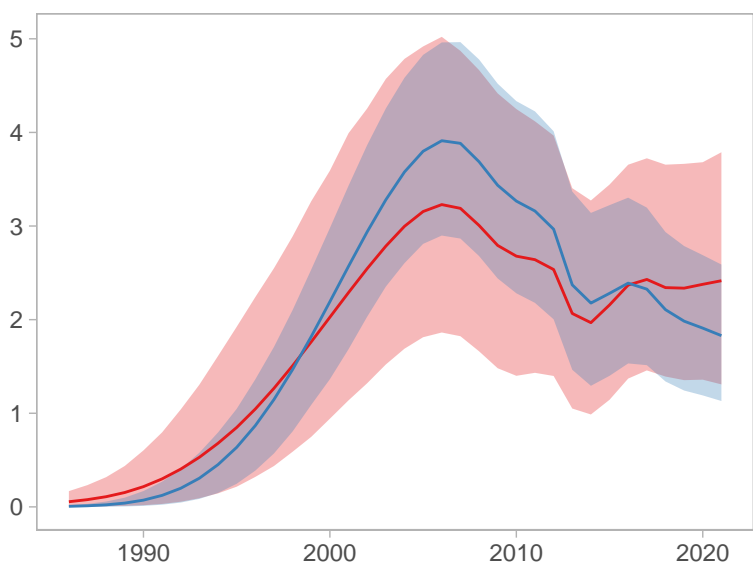
Pregnant women HIV prevalence



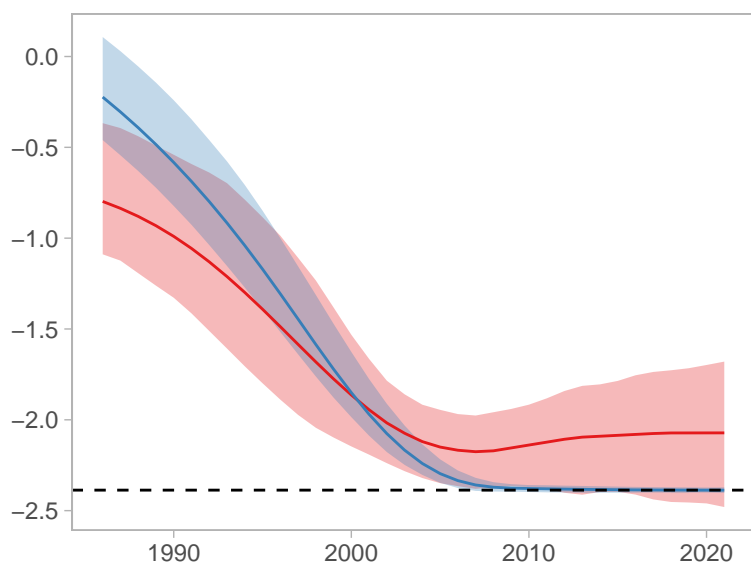
HIV incidence per 1000



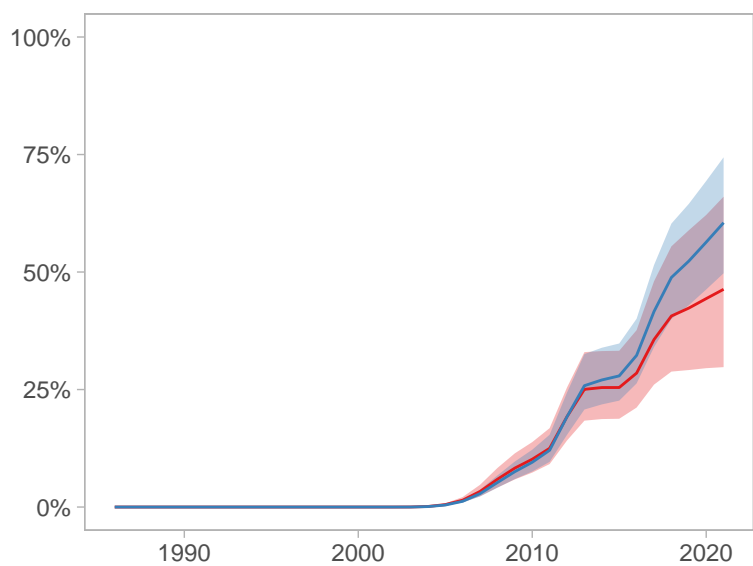
AIDS deaths per 1000 (age 15+)



log r(t)



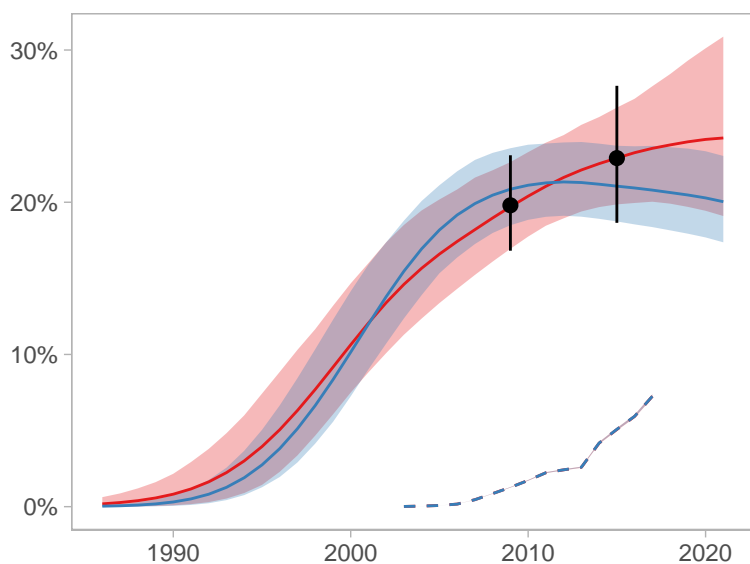
Adult (15+) ART coverage



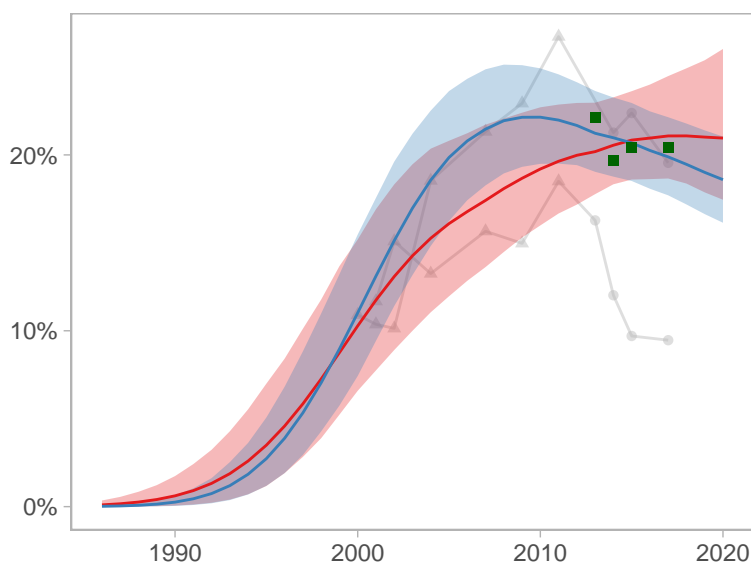
Model: — r-hybrid — r-spline

Mozambique – SOUTH_Maputo Provincia

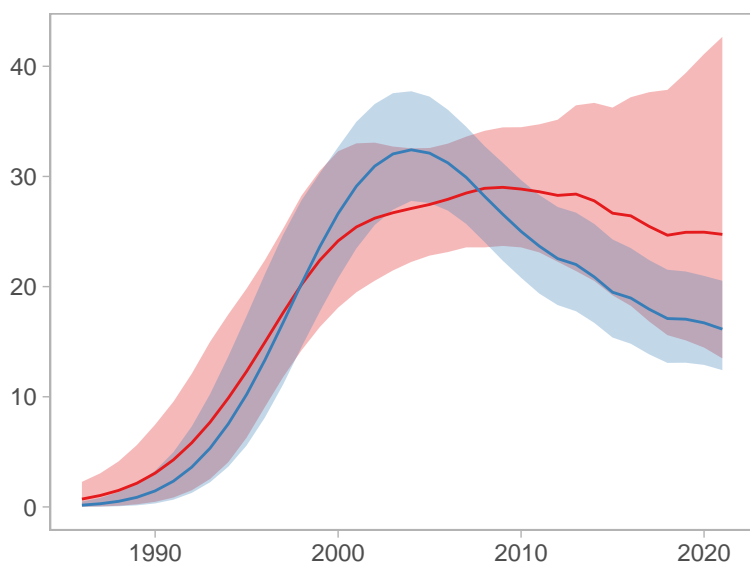
HIV prevalence



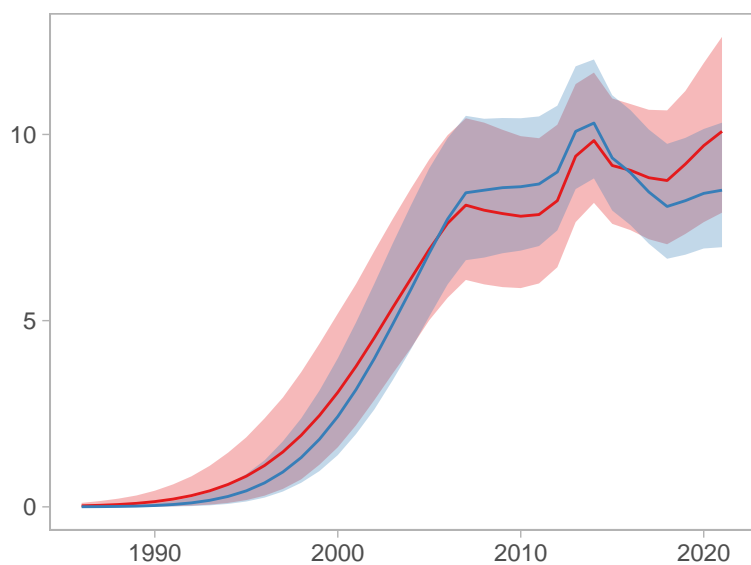
Pregnant women HIV prevalence



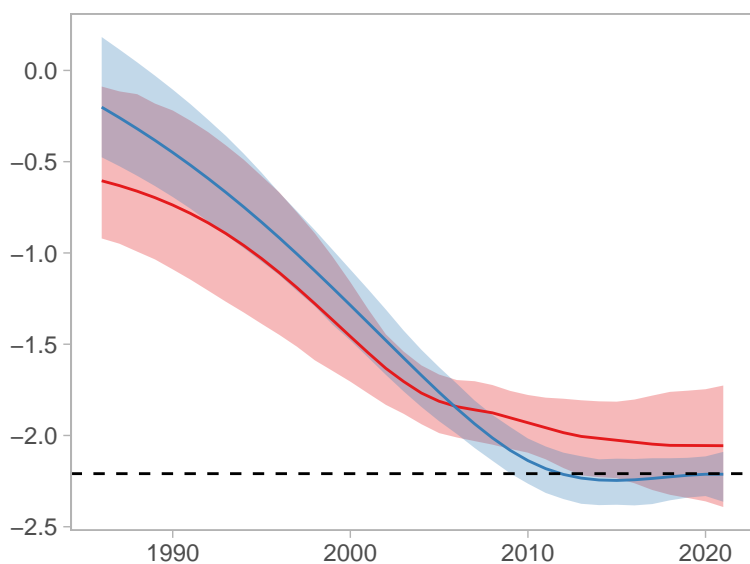
HIV incidence per 1000



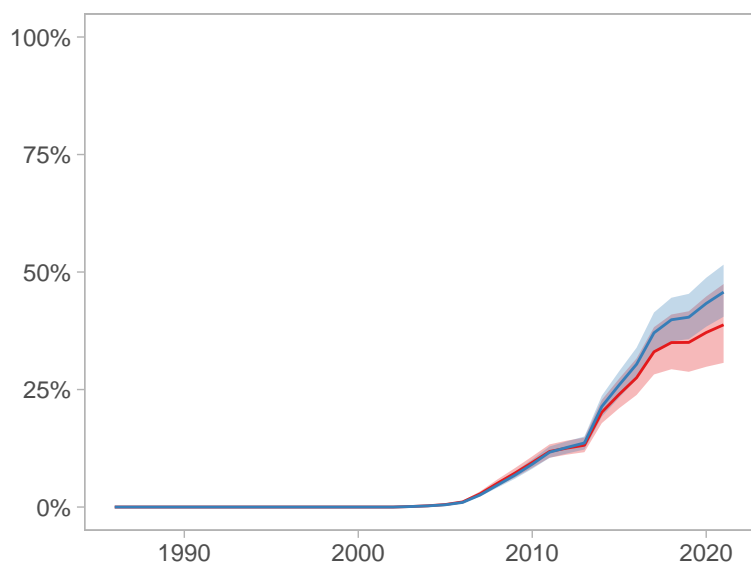
AIDS deaths per 1000 (age 15+)



log r(t)



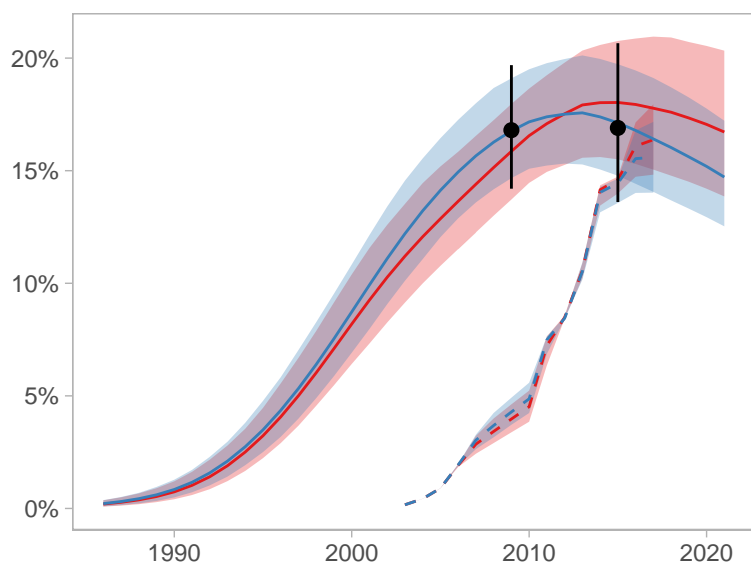
Adult (15+) ART coverage



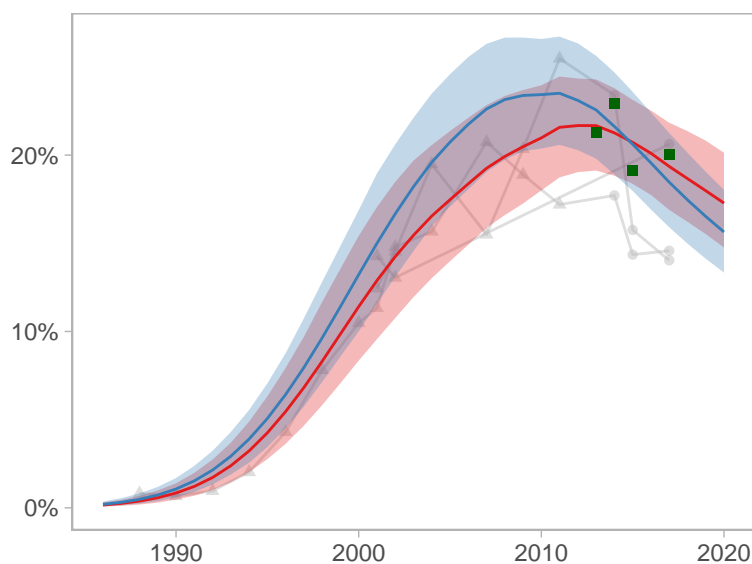
Model: — r-hybrid — r-spline

Mozambique – SOUTH_Maputo Cidade

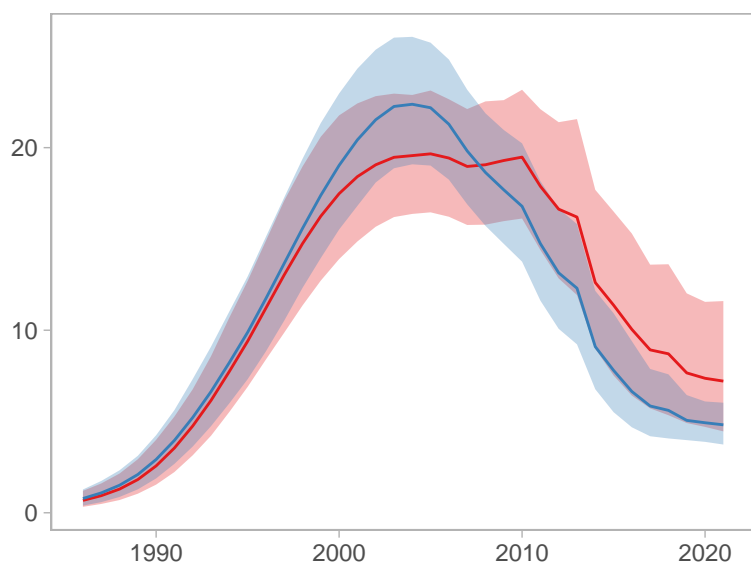
HIV prevalence



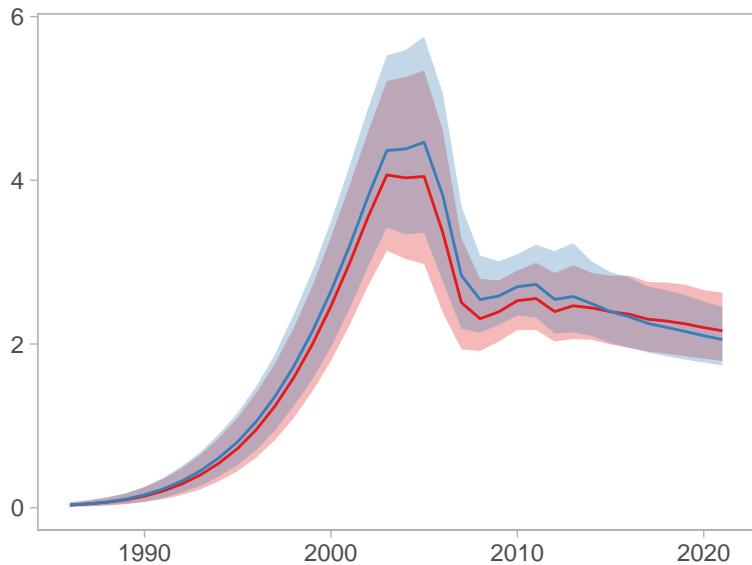
Pregnant women HIV prevalence



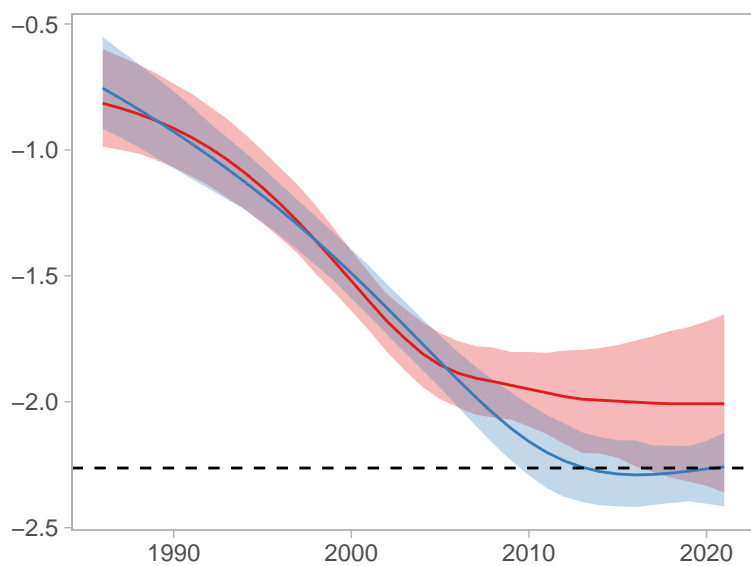
HIV incidence per 1000



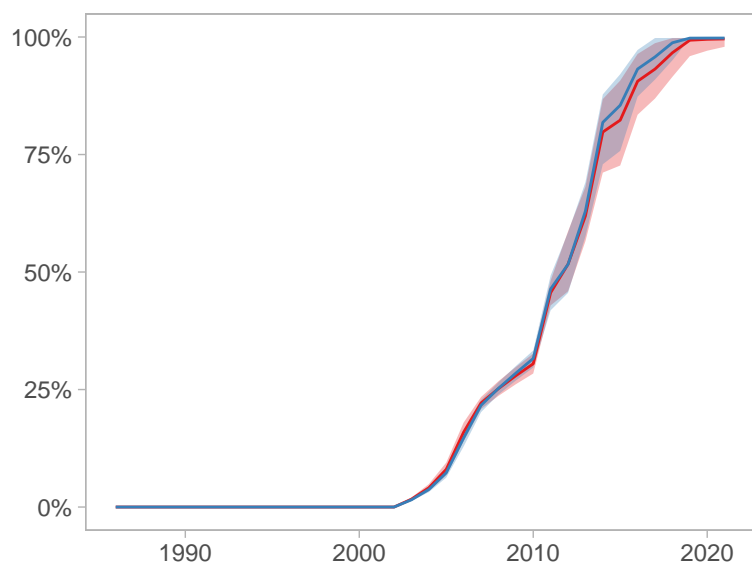
AIDS deaths per 1000 (age 15+)



log r(t)



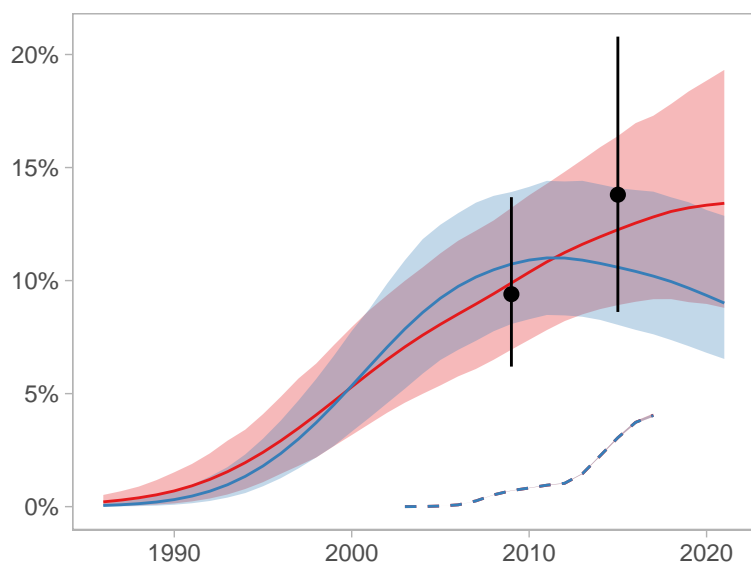
Adult (15+) ART coverage



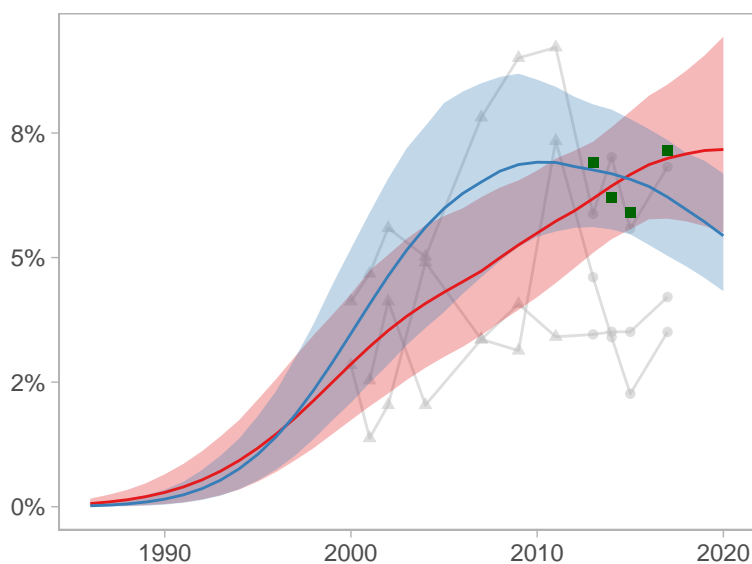
Model: — r-hybrid — r-spline

Mozambique – NORTH_Cabo Delgado

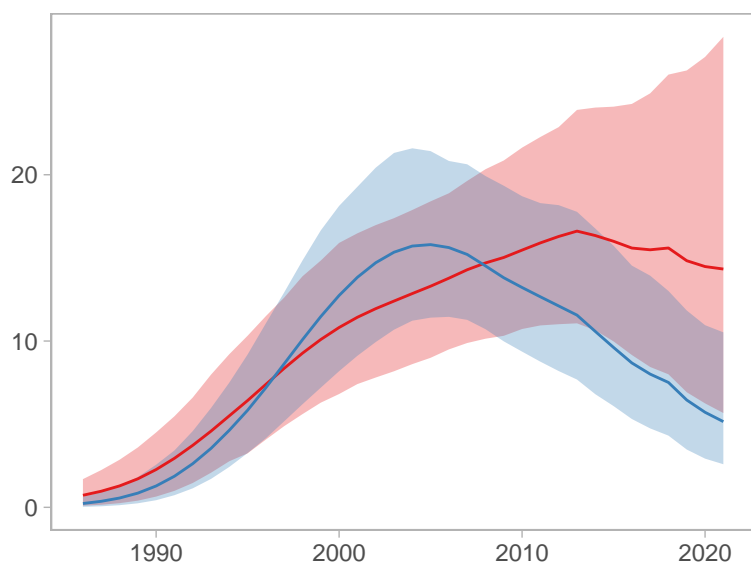
HIV prevalence



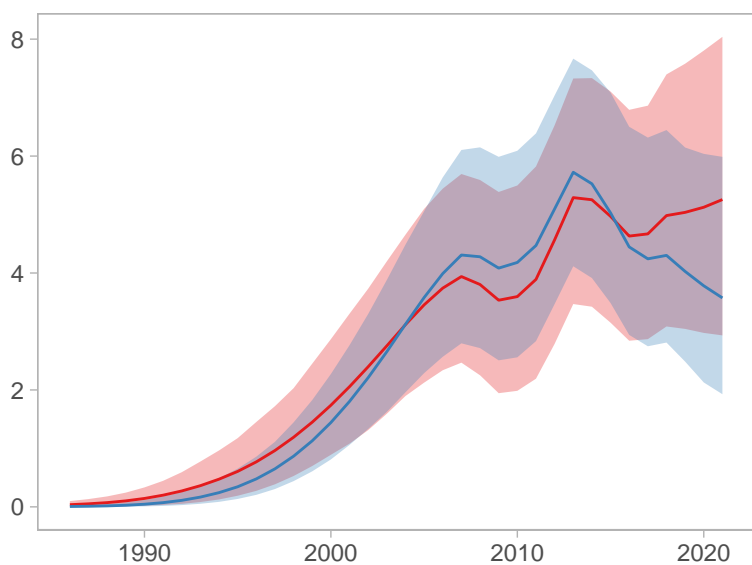
Pregnant women HIV prevalence



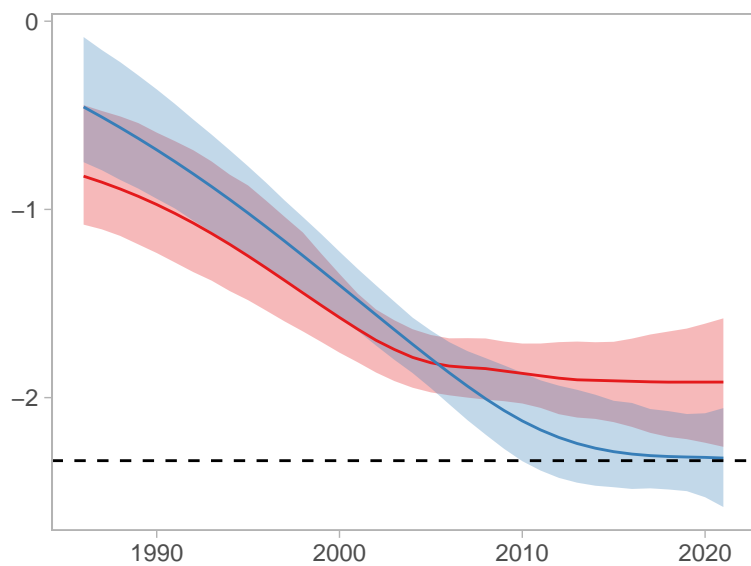
HIV incidence per 1000



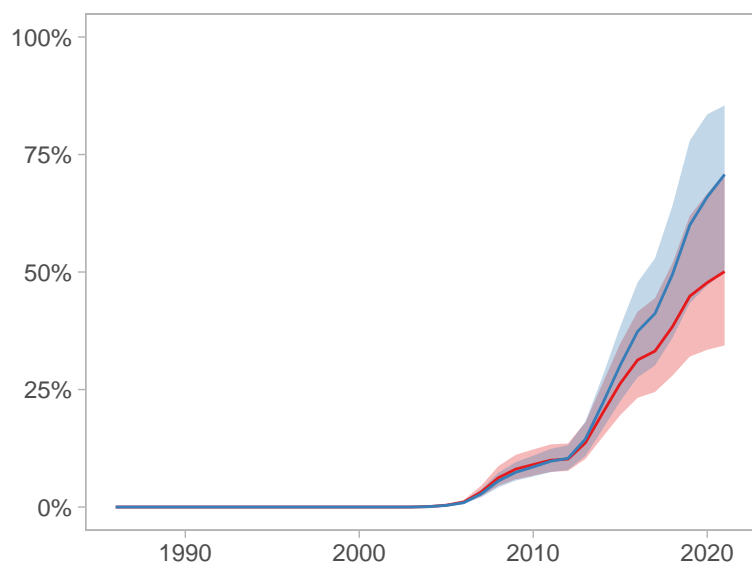
AIDS deaths per 1000 (age 15+)



log r(t)



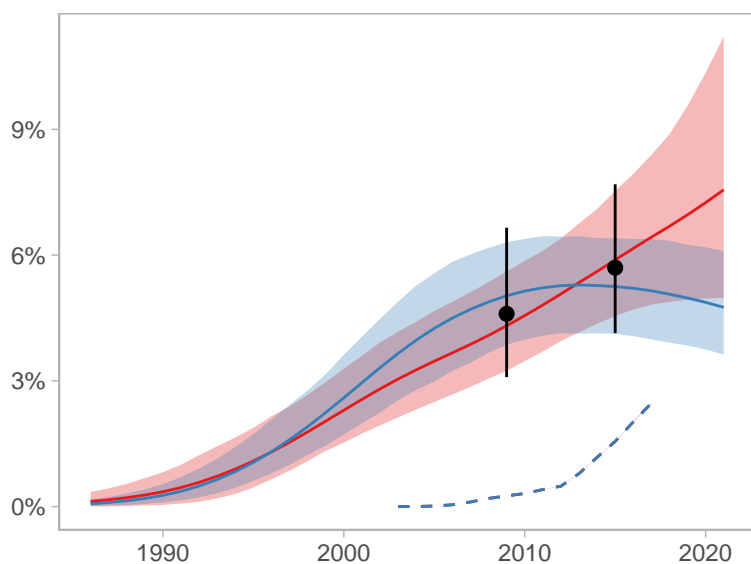
Adult (15+) ART coverage



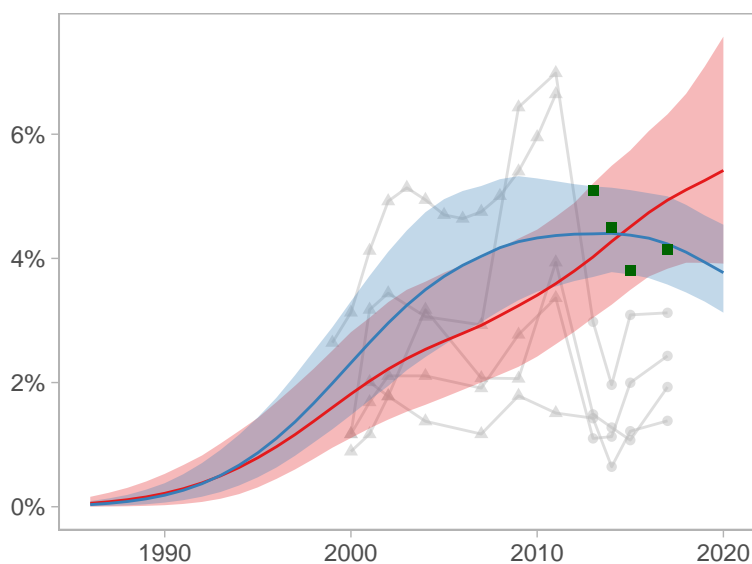
Model: — r-hybrid — r-spline

Mozambique – NORTH_Nampula

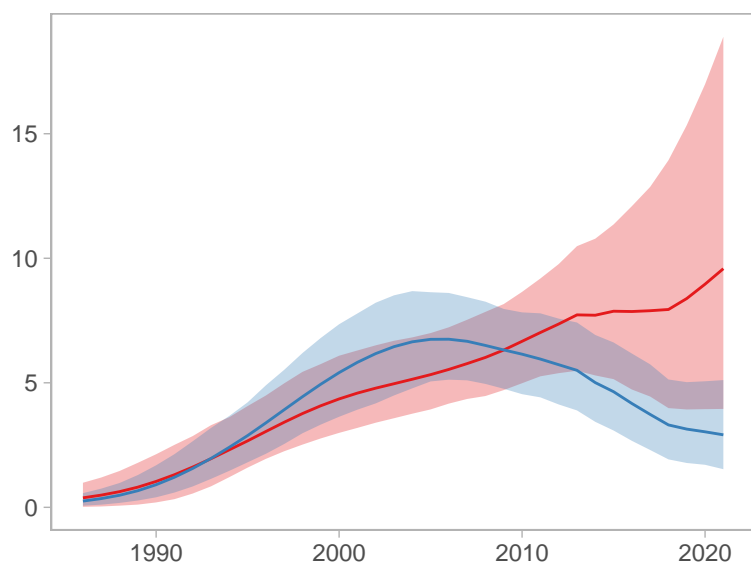
HIV prevalence



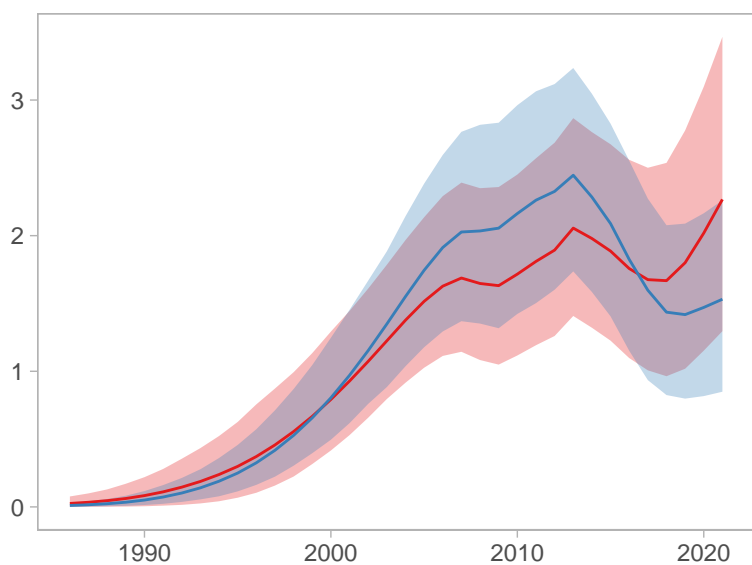
Pregnant women HIV prevalence



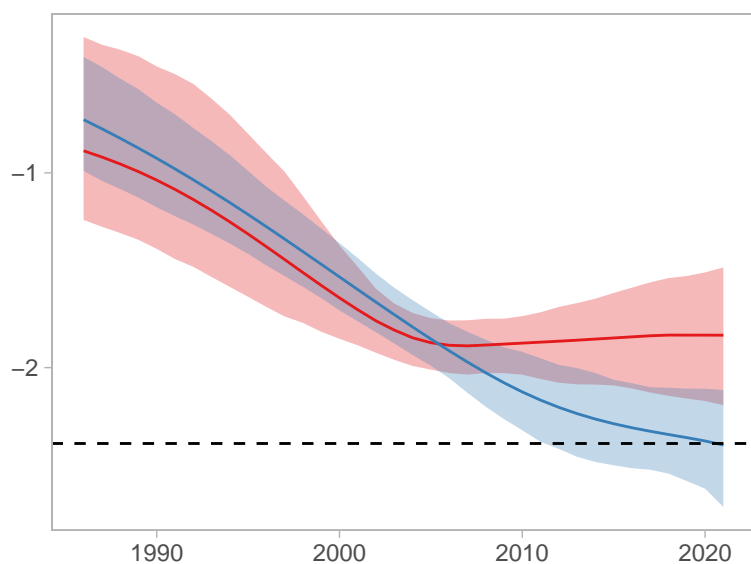
HIV incidence per 1000



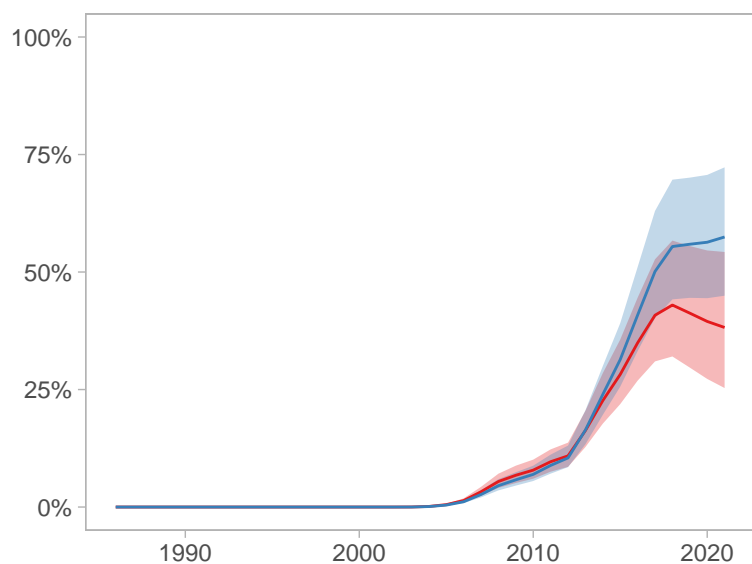
AIDS deaths per 1000 (age 15+)



log r(t)



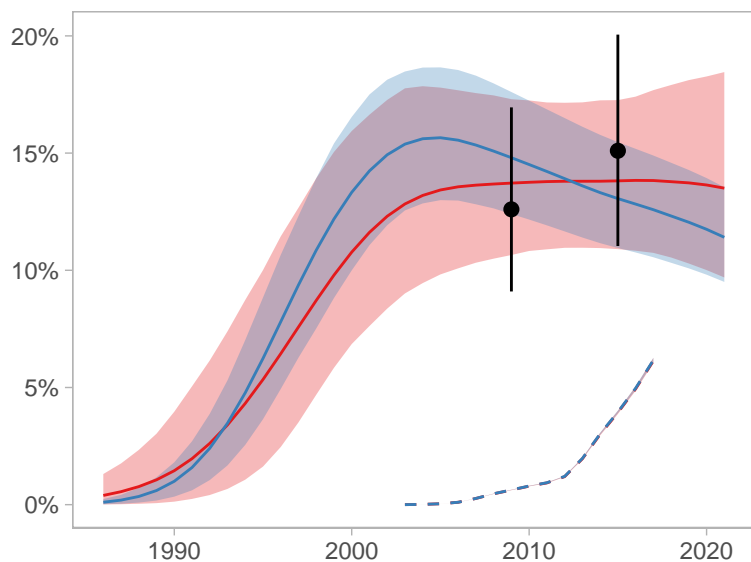
Adult (15+) ART coverage



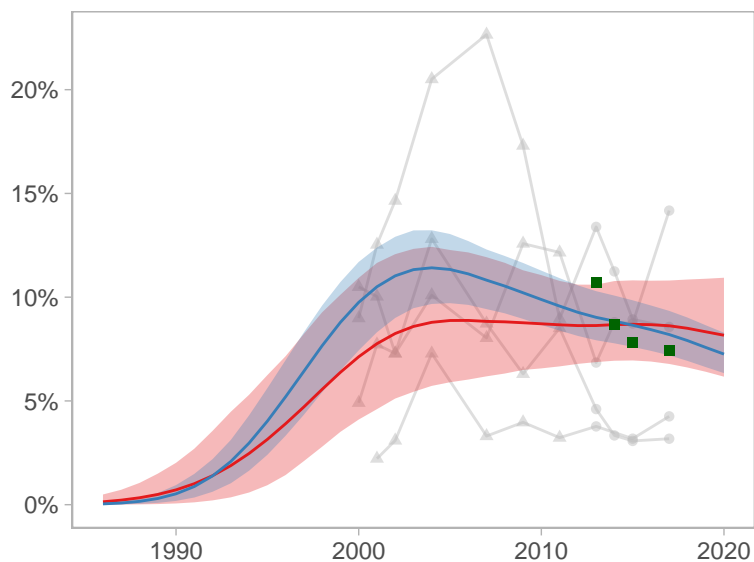
Model: — r-hybrid — r-spline

Mozambique – CENTER_Zambezi

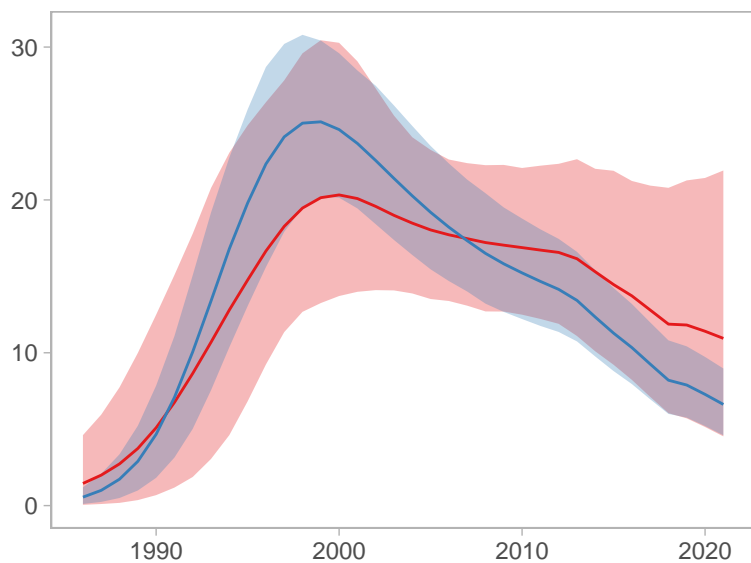
HIV prevalence



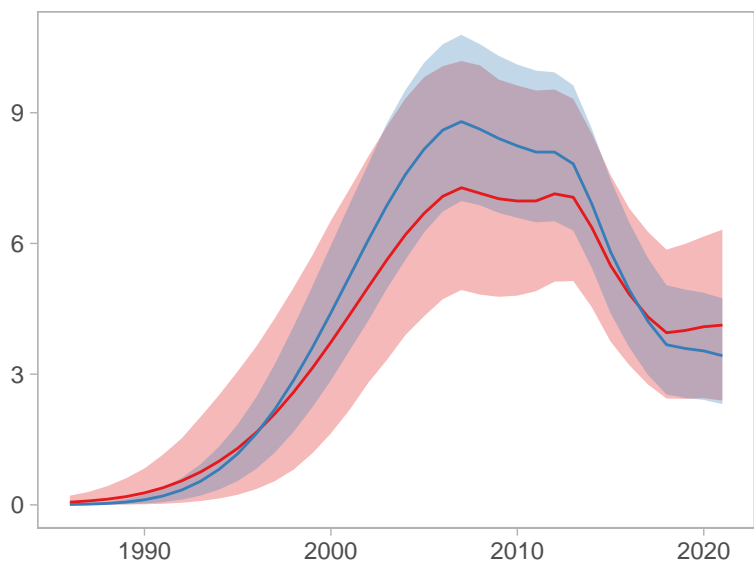
Pregnant women HIV prevalence



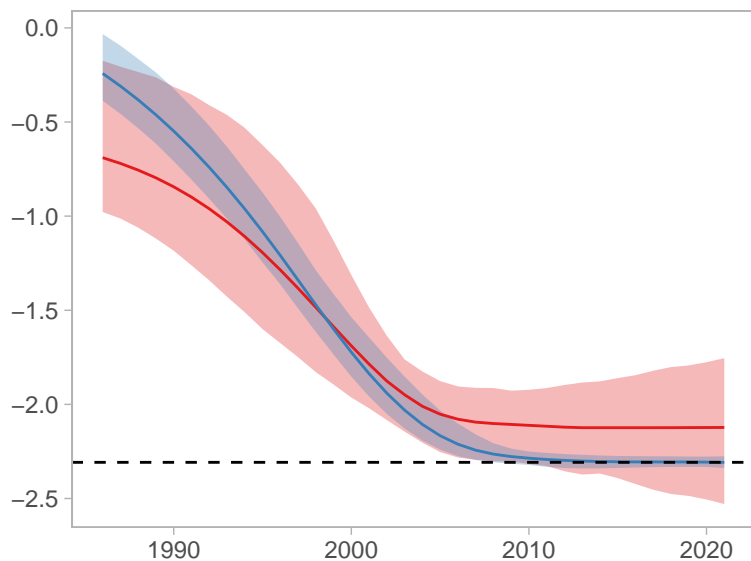
HIV incidence per 1000



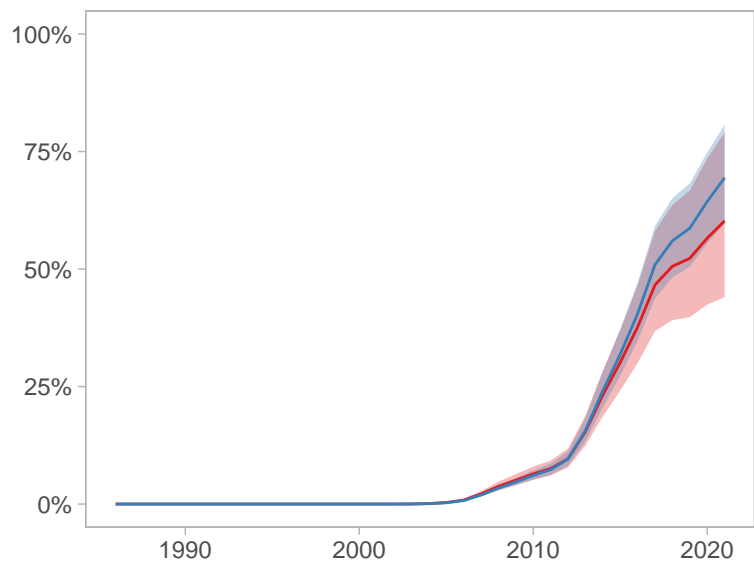
AIDS deaths per 1000 (age 15+)



log r(t)



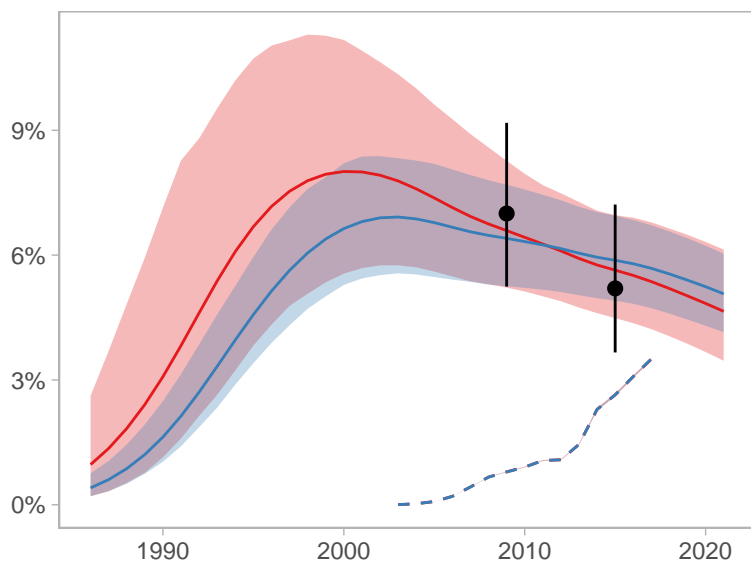
Adult (15+) ART coverage



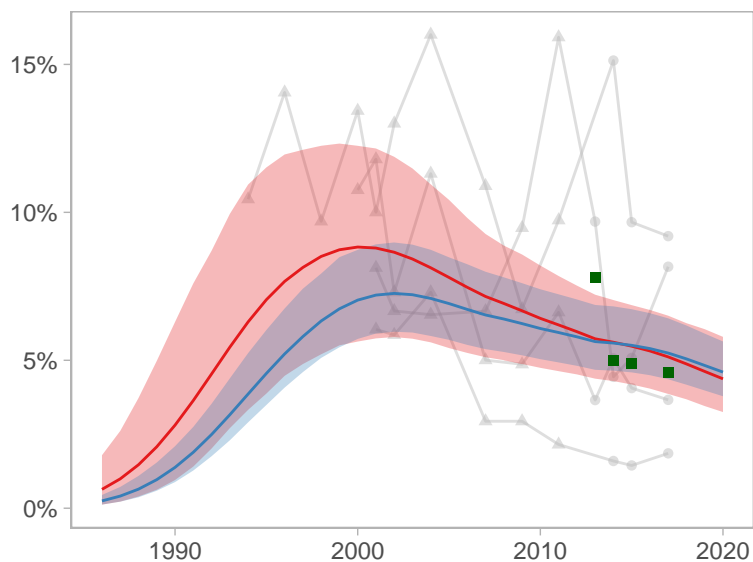
Model: — r-hybrid — r-spline

Mozambique – CENTER_Tete

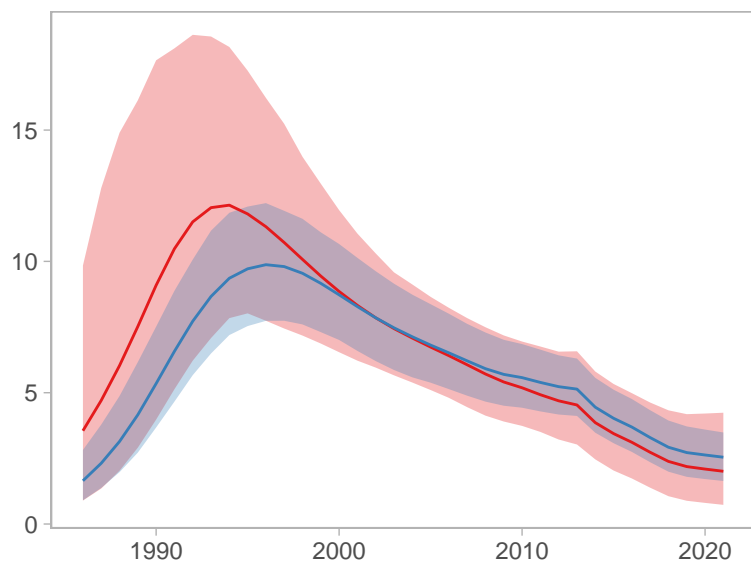
HIV prevalence



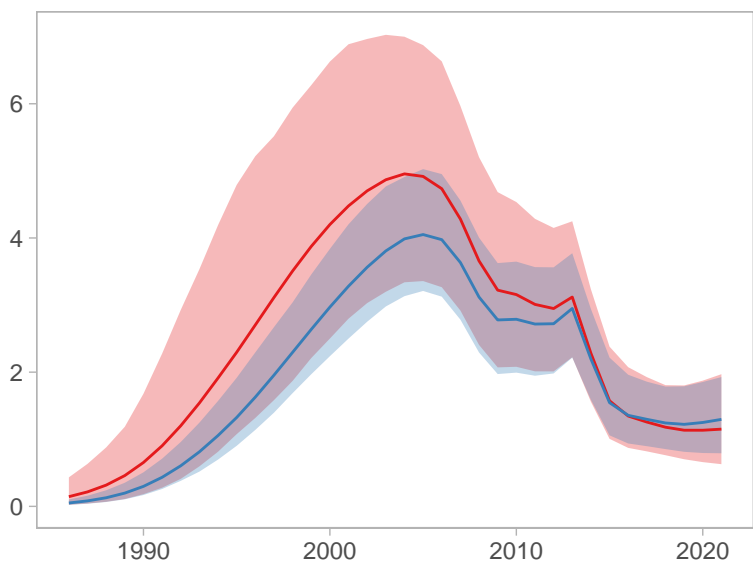
Pregnant women HIV prevalence



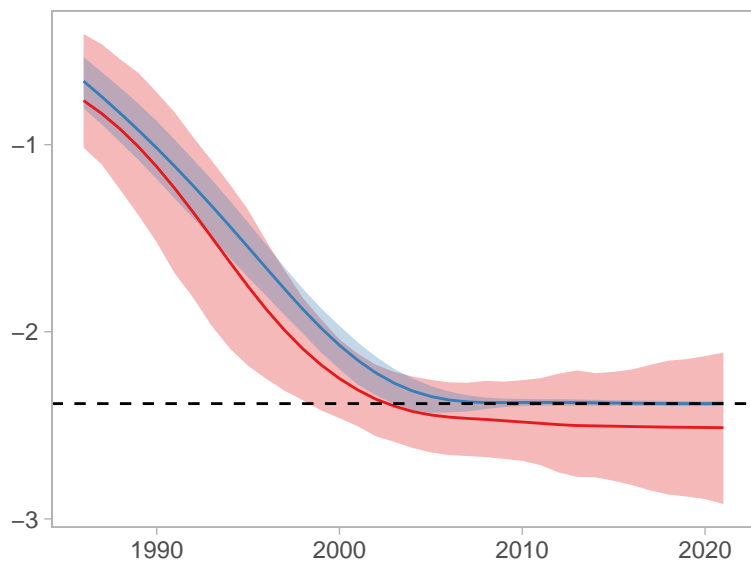
HIV incidence per 1000



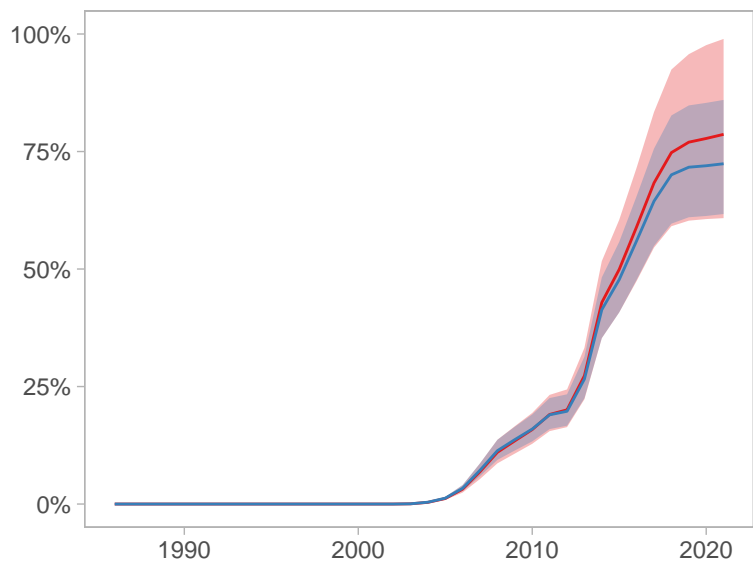
AIDS deaths per 1000 (age 15+)



log r(t)



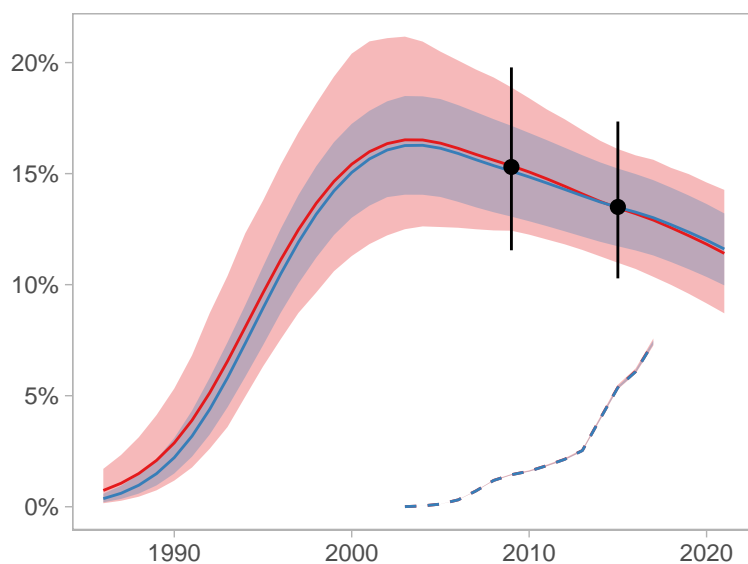
Adult (15+) ART coverage



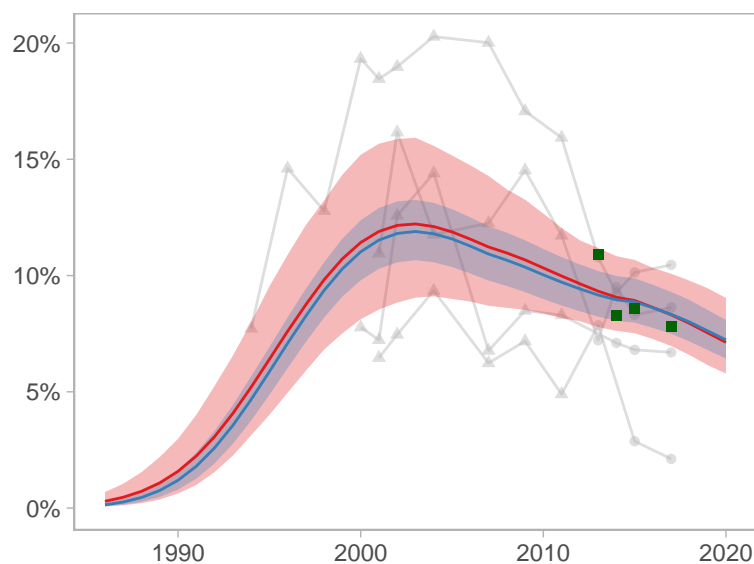
Model: — r-hybrid — r-spline

Mozambique – CENTER_Manica

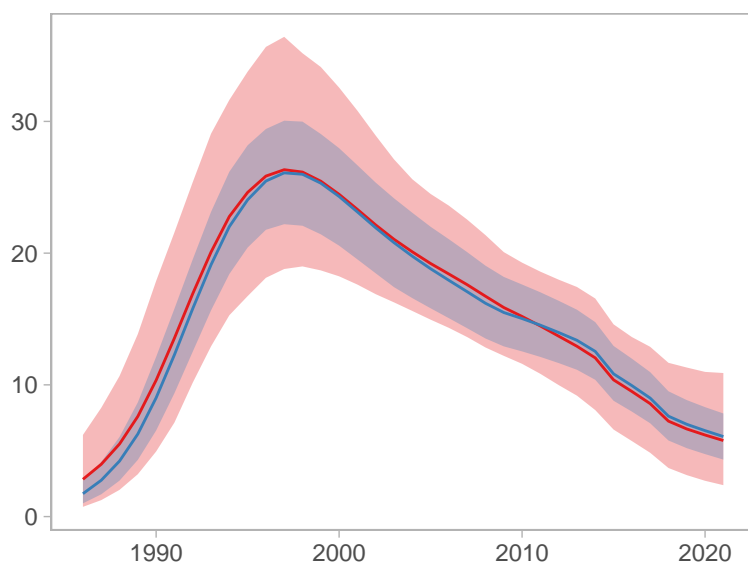
HIV prevalence



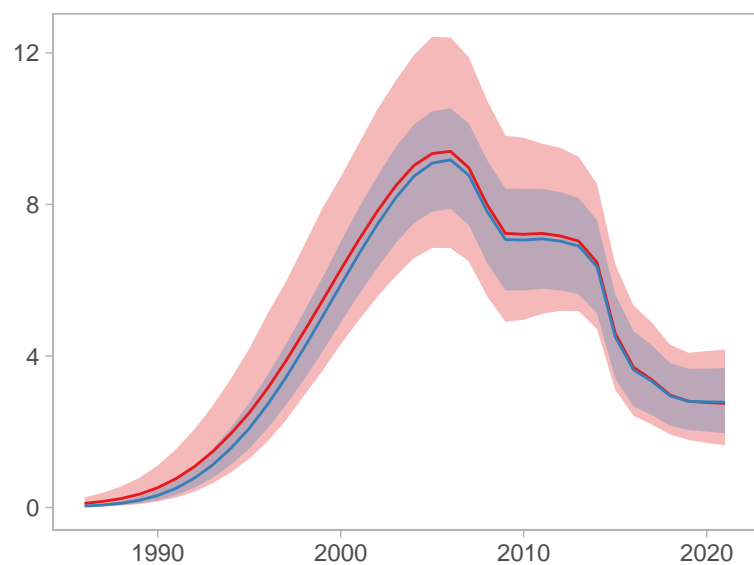
Pregnant women HIV prevalence



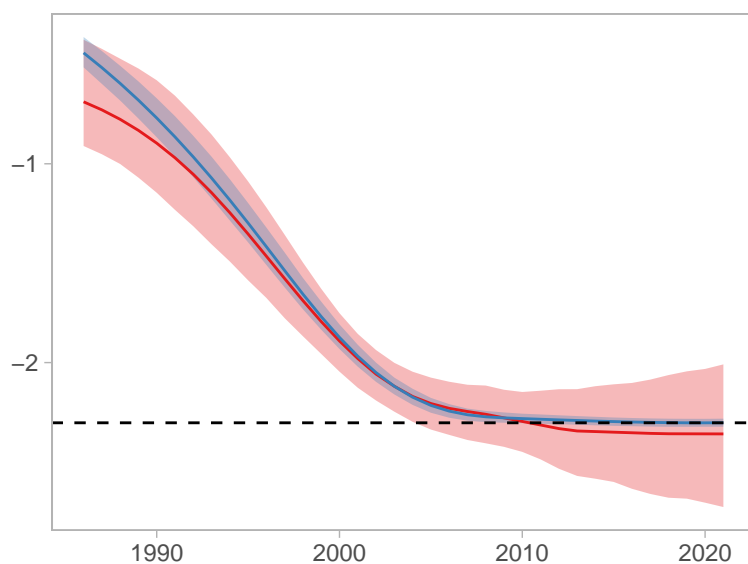
HIV incidence per 1000



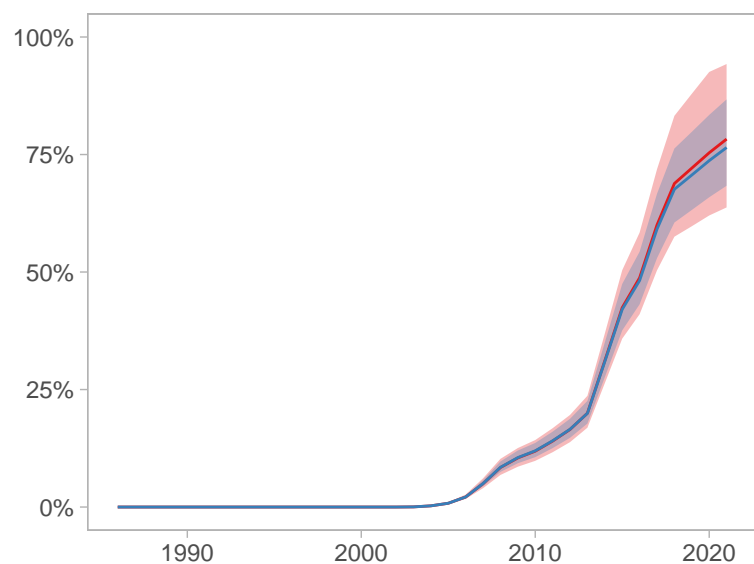
AIDS deaths per 1000 (age 15+)



log r(t)



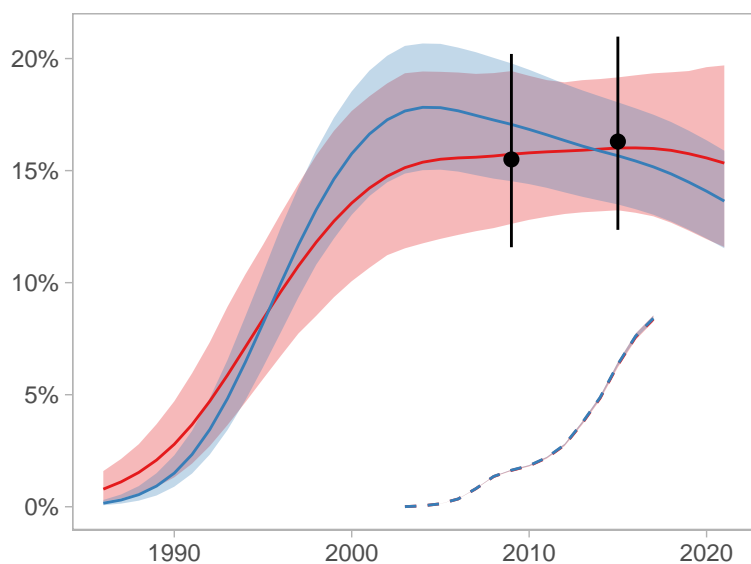
Adult (15+) ART coverage



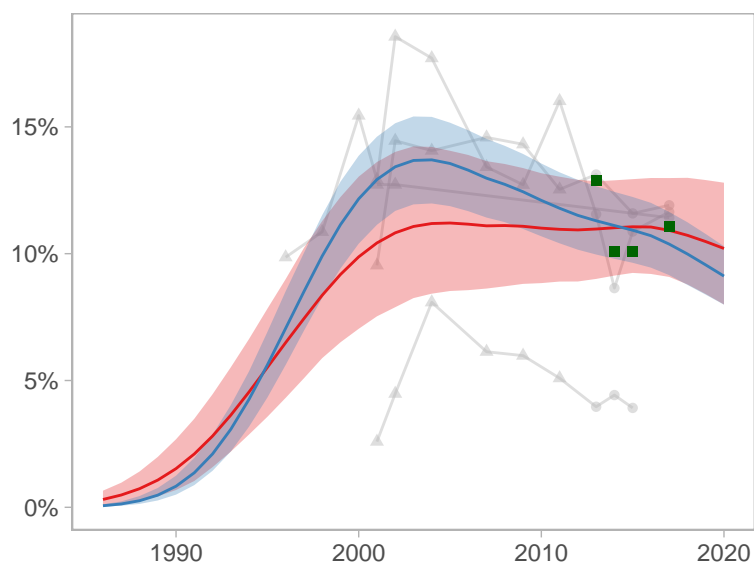
Model: — r-hybrid — r-spline

Mozambique – CENTER_Sofala

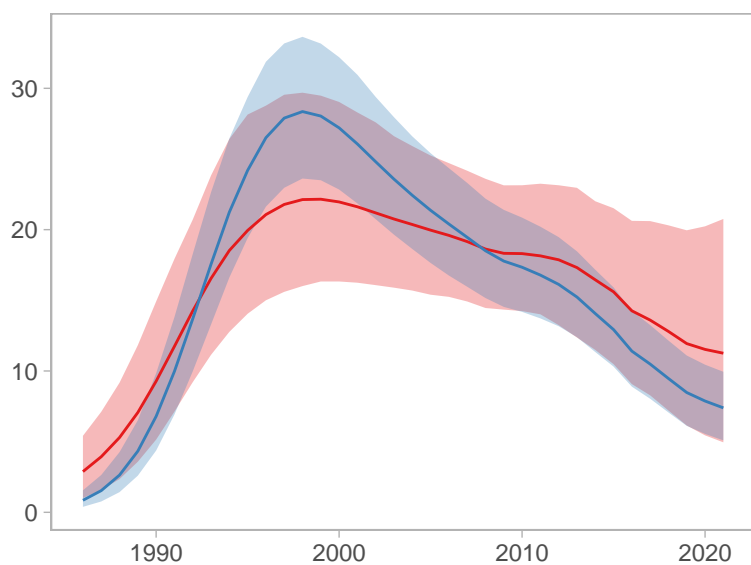
HIV prevalence



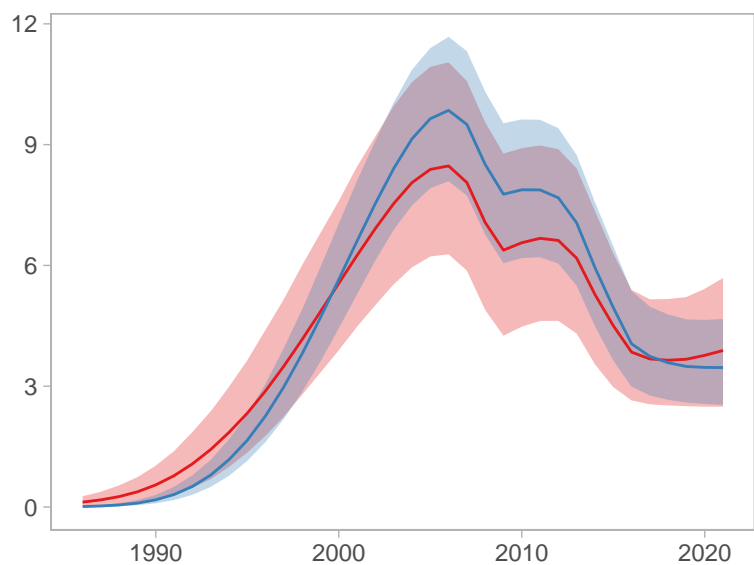
Pregnant women HIV prevalence



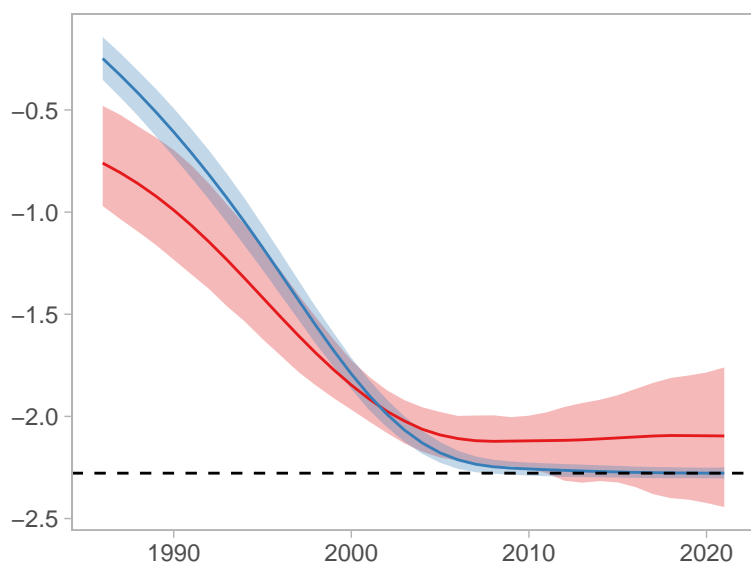
HIV incidence per 1000



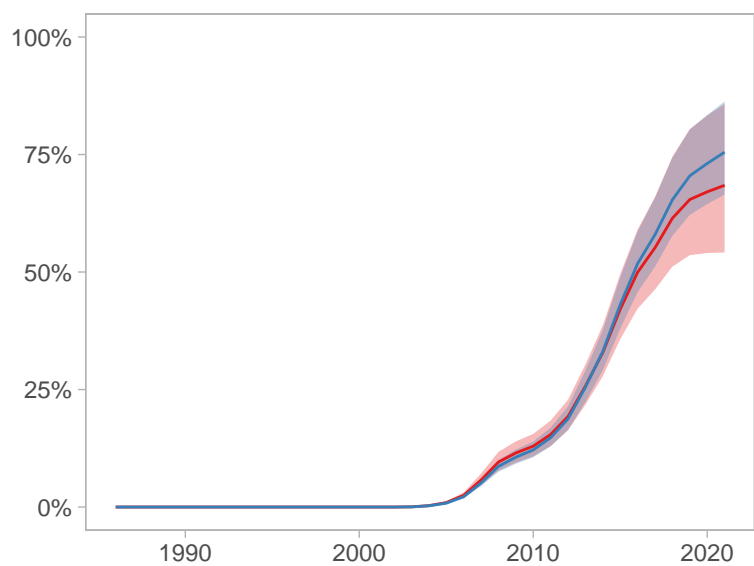
AIDS deaths per 1000 (age 15+)



log r(t)



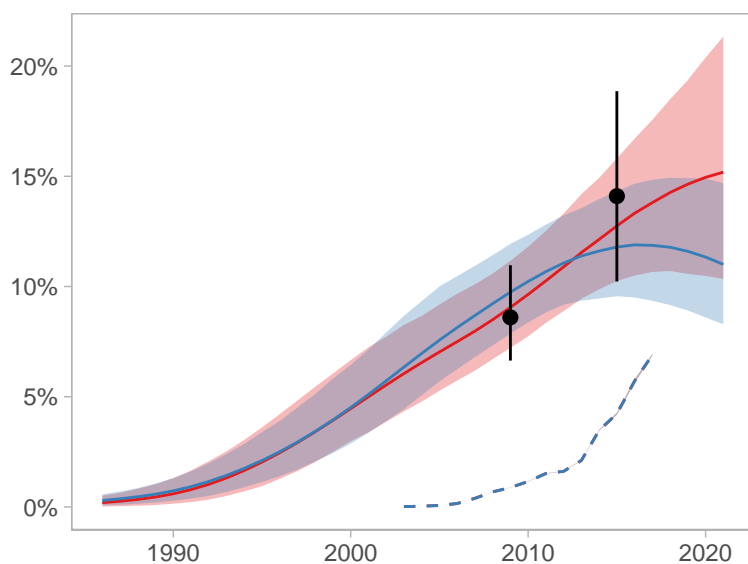
Adult (15+) ART coverage



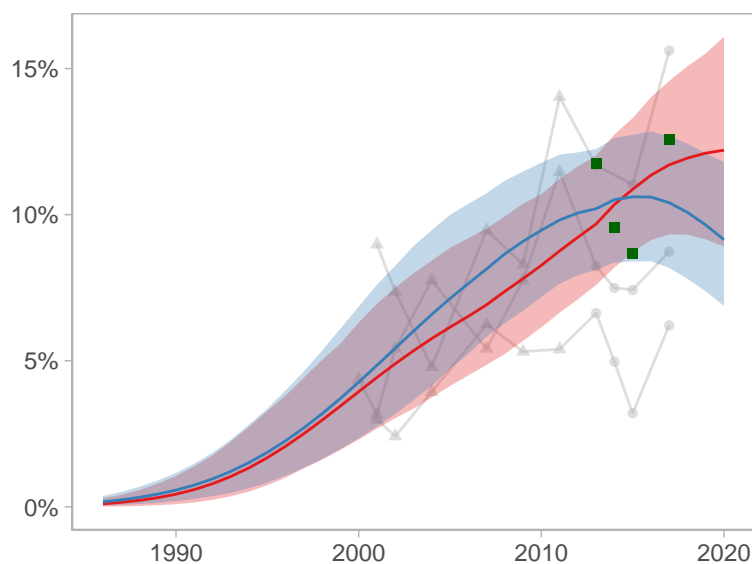
Model: — r-hybrid — r-spline

Mozambique – SOUTH_Inhambane

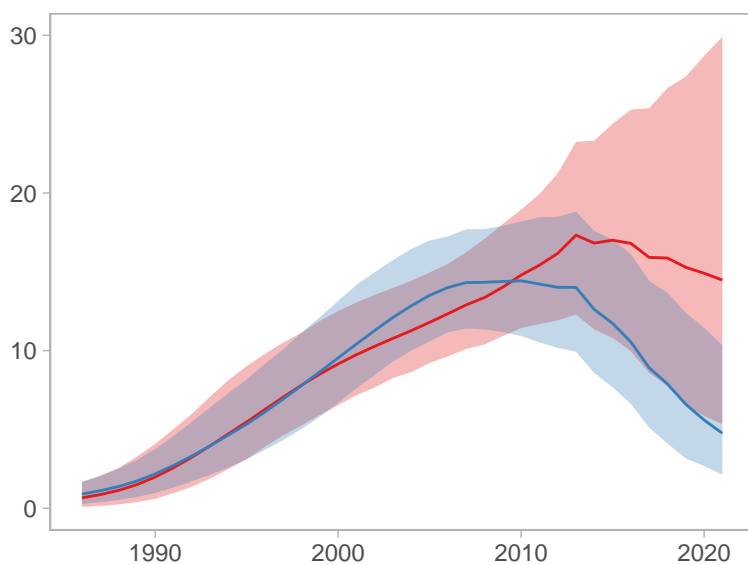
HIV prevalence



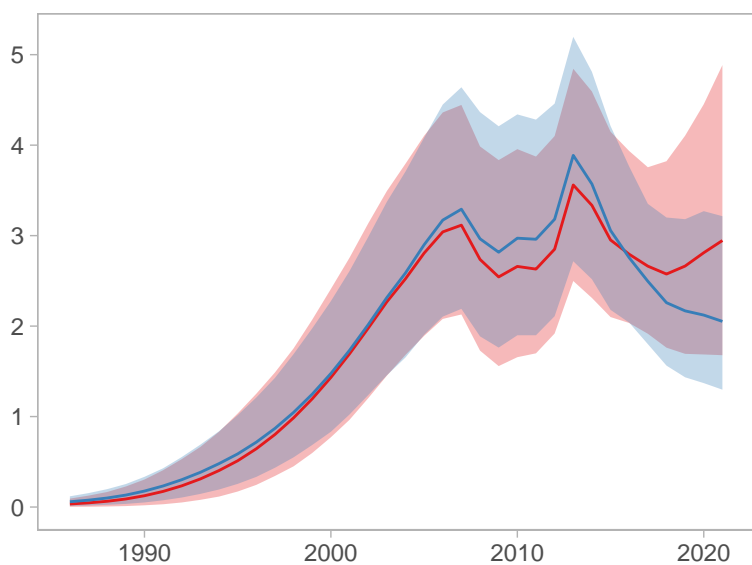
Pregnant women HIV prevalence



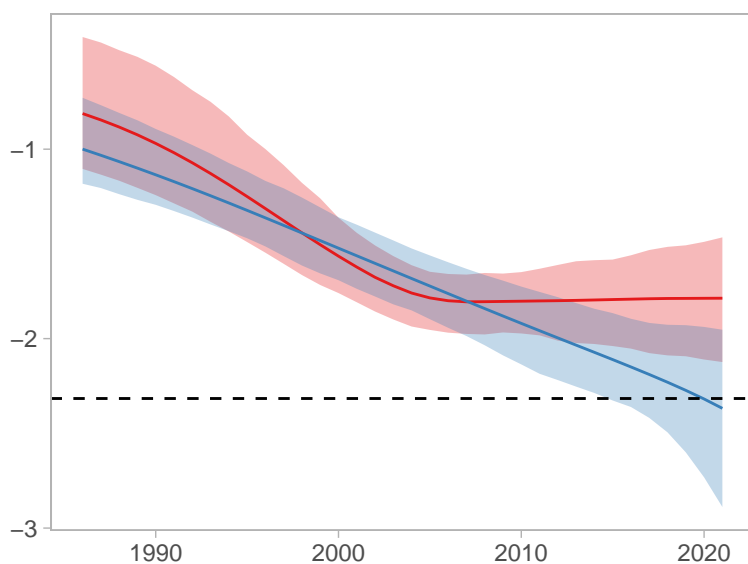
HIV incidence per 1000



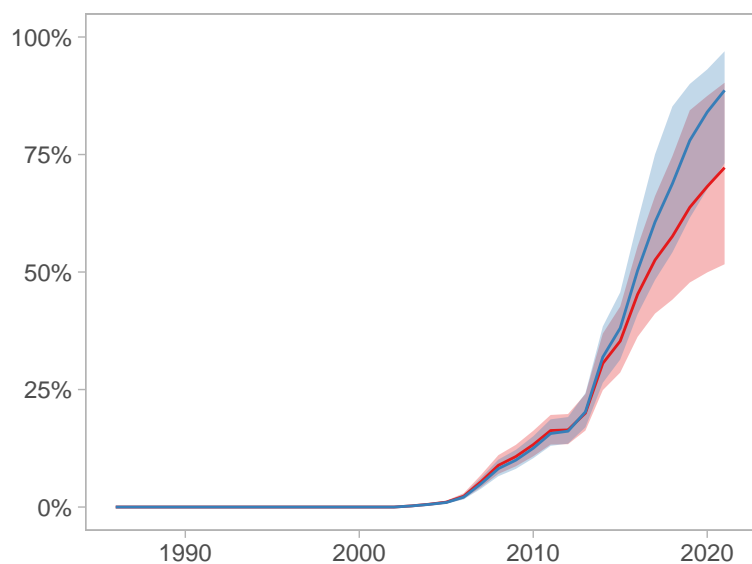
AIDS deaths per 1000 (age 15+)



log r(t)



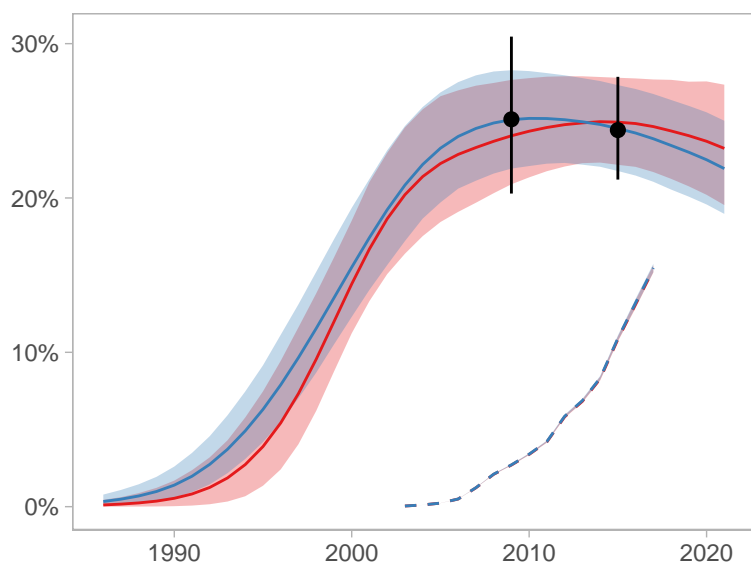
Adult (15+) ART coverage



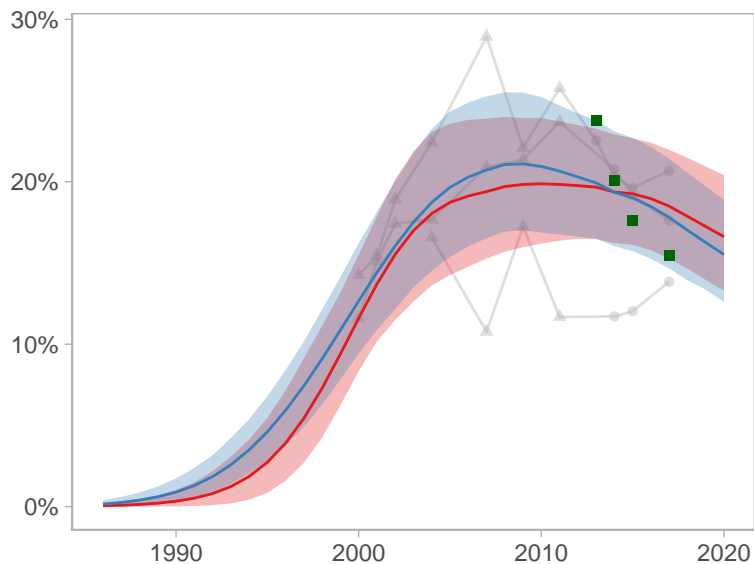
Model: — r-hybrid — r-spline

Mozambique – SOUTH_Gaza

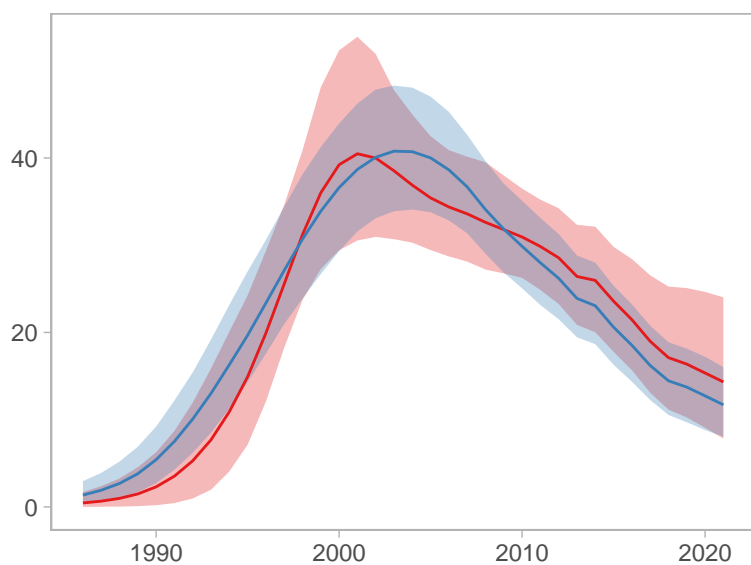
HIV prevalence



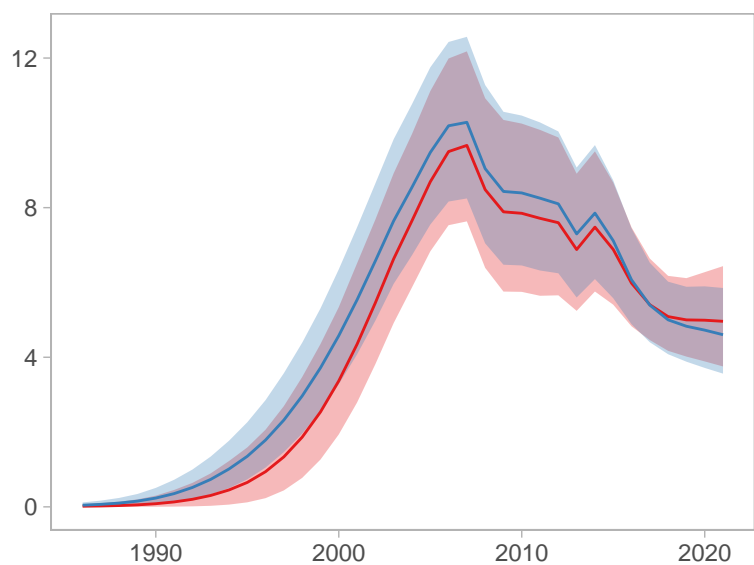
Pregnant women HIV prevalence



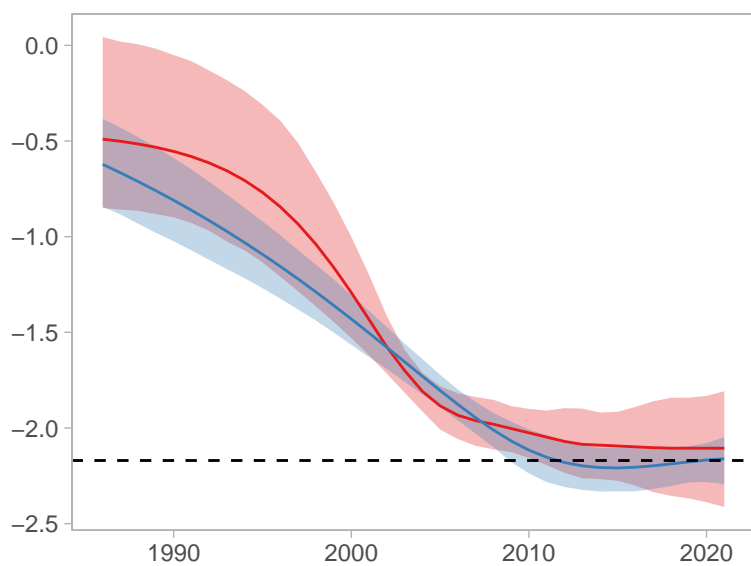
HIV incidence per 1000



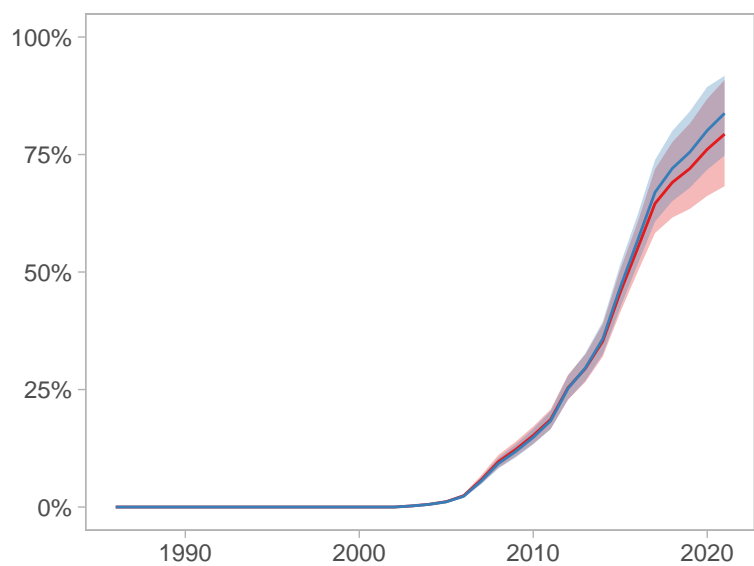
AIDS deaths per 1000 (age 15+)



log r(t)

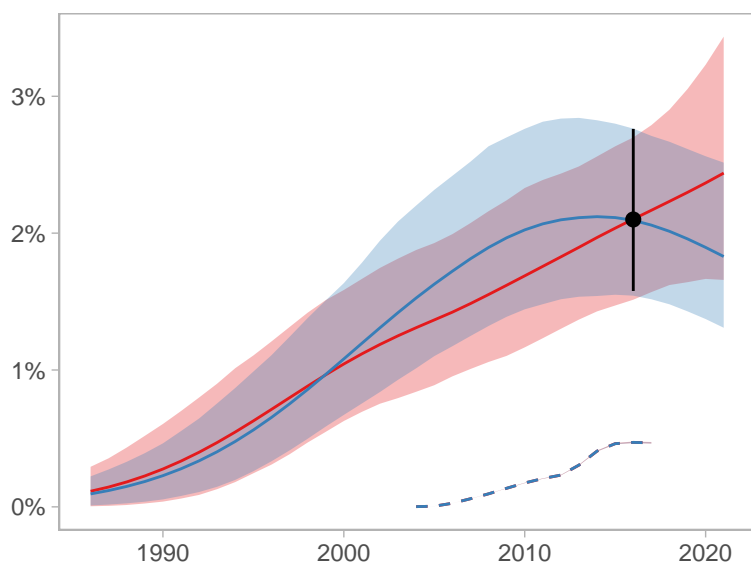


Adult (15+) ART coverage

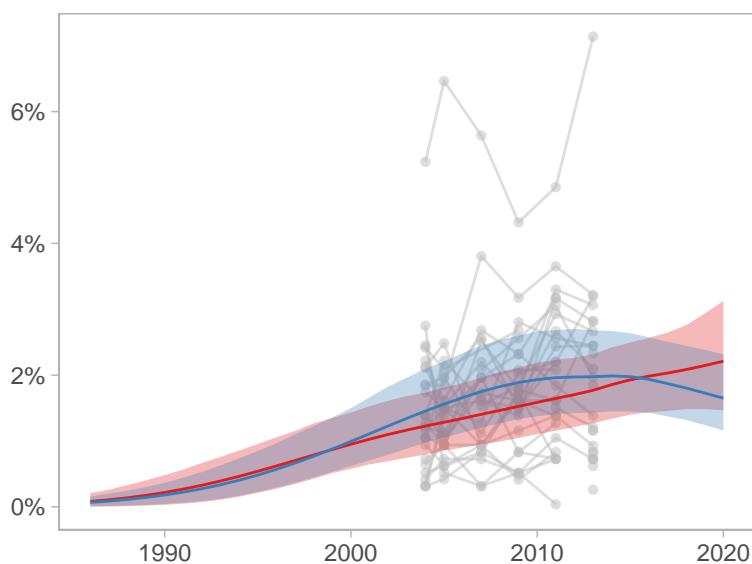


Model: — r-hybrid — r-spline

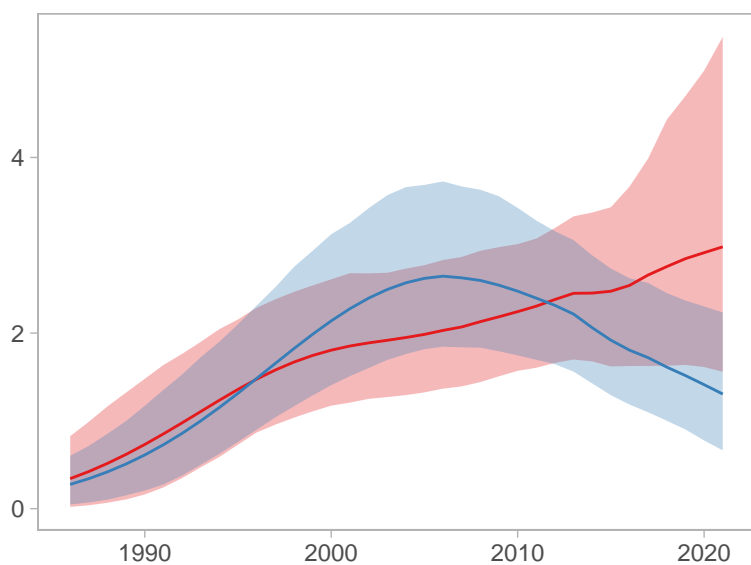
Angola – Urban HIV prevalence



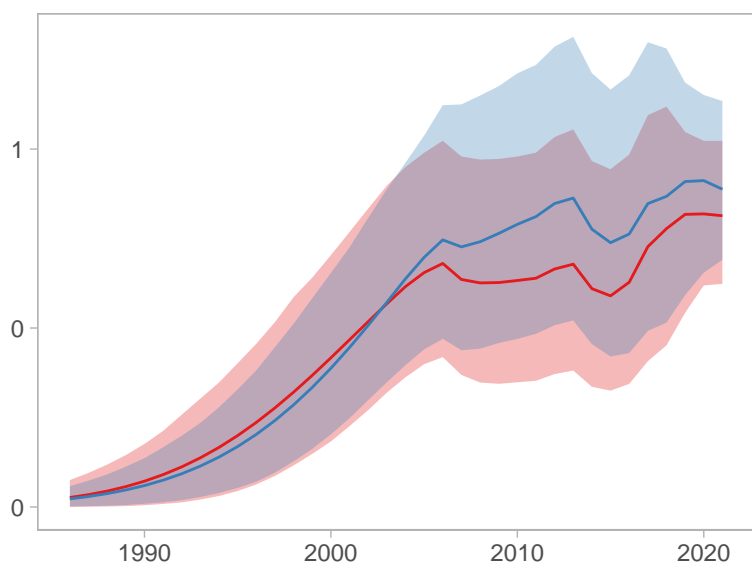
Pregnant women HIV prevalence



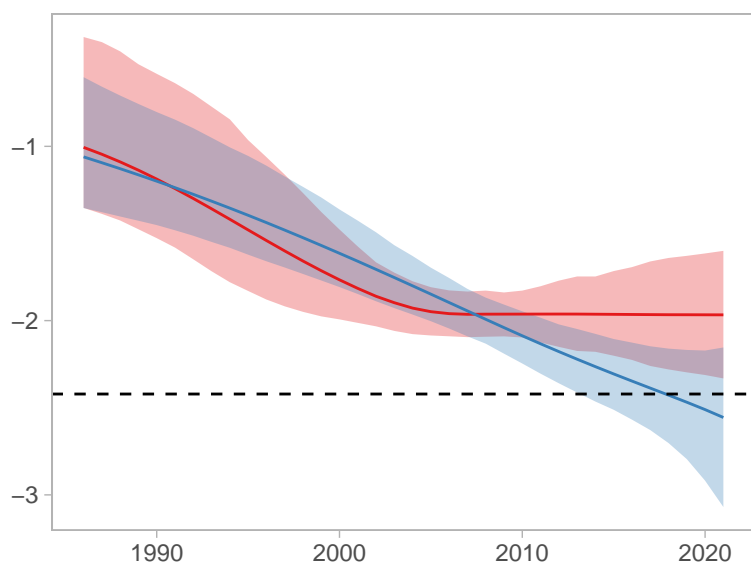
HIV incidence per 1000



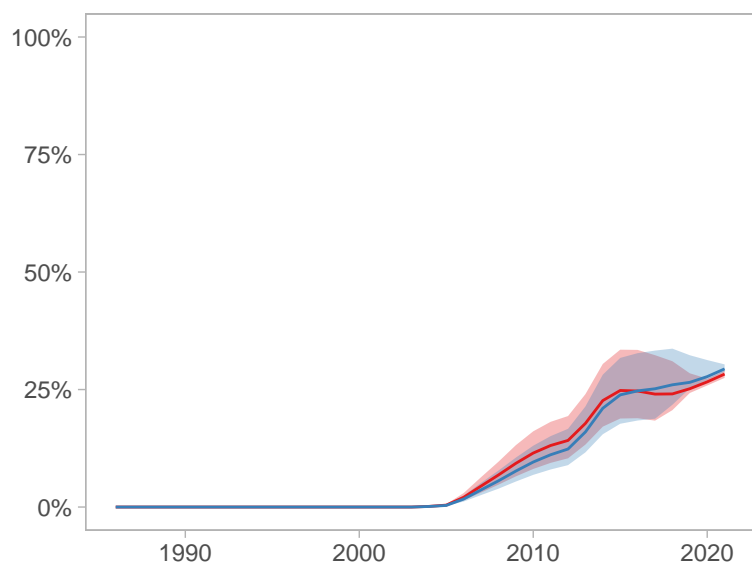
AIDS deaths per 1000 (age 15+)



log r(t)



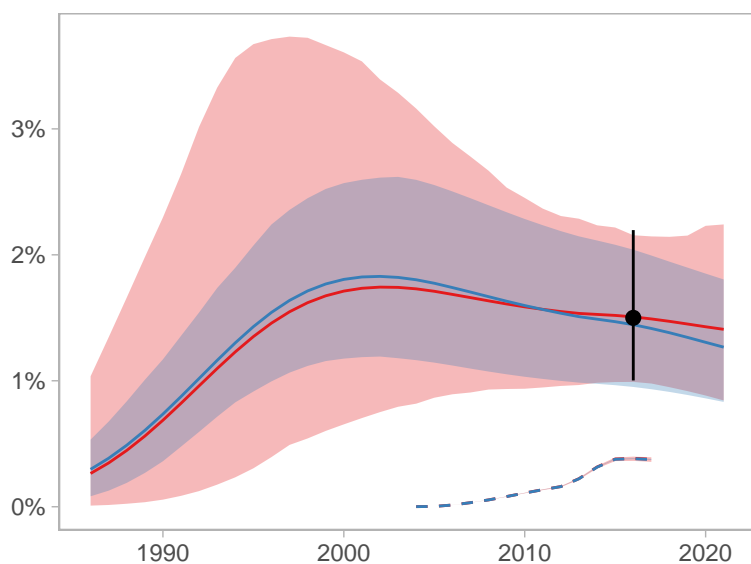
Adult (15+) ART coverage



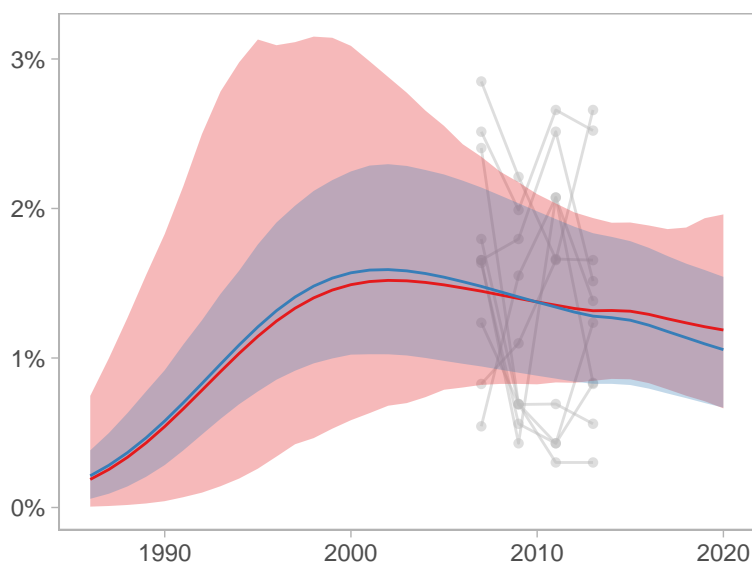
Model: — r-hybrid — r-spline

Angola – Rural

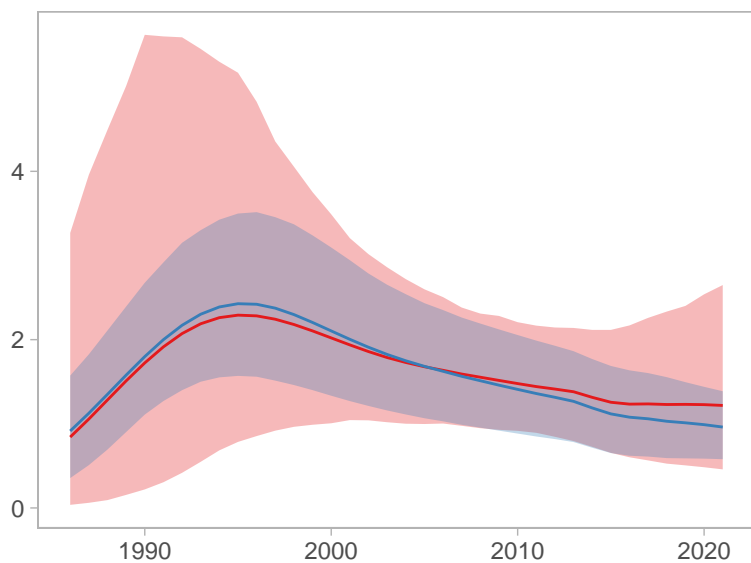
HIV prevalence



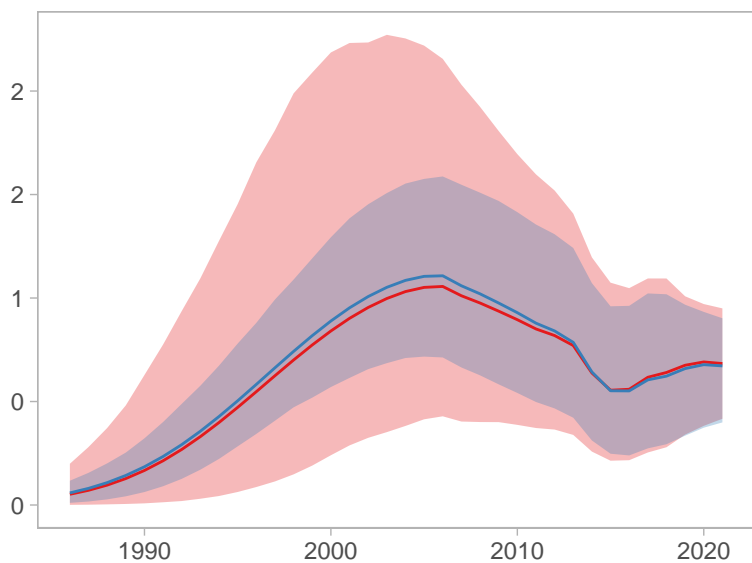
Pregnant women HIV prevalence



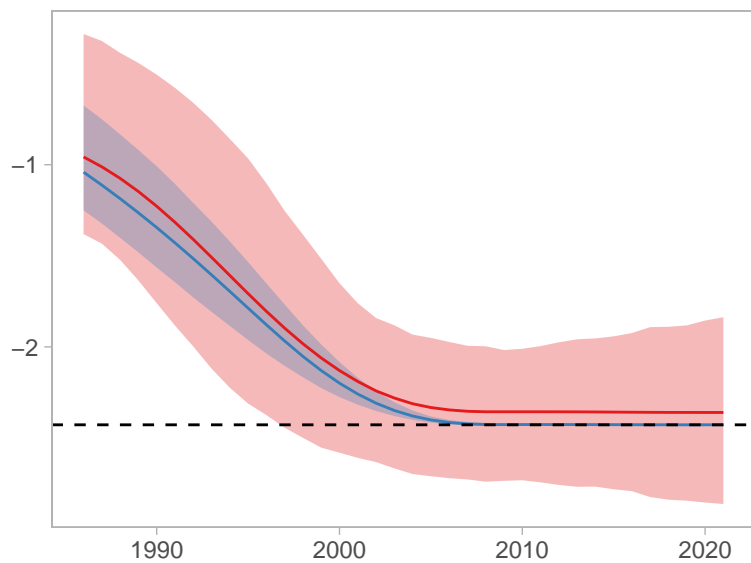
HIV incidence per 1000



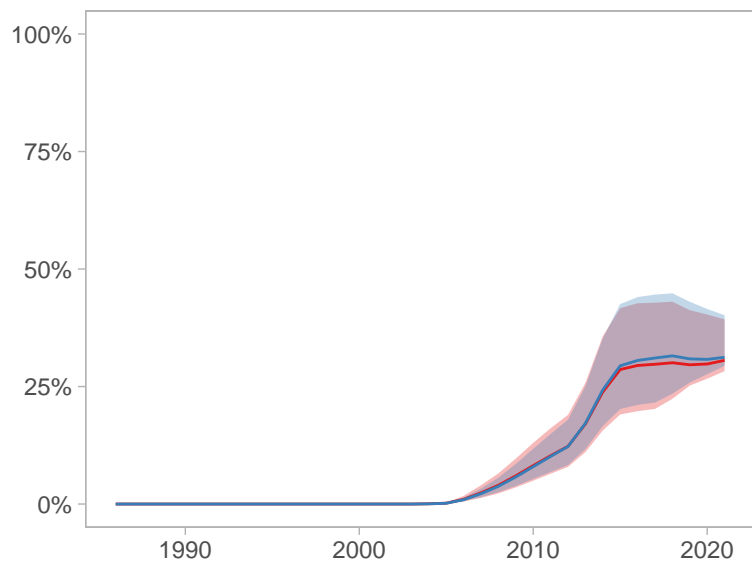
AIDS deaths per 1000 (age 15+)



log r(t)



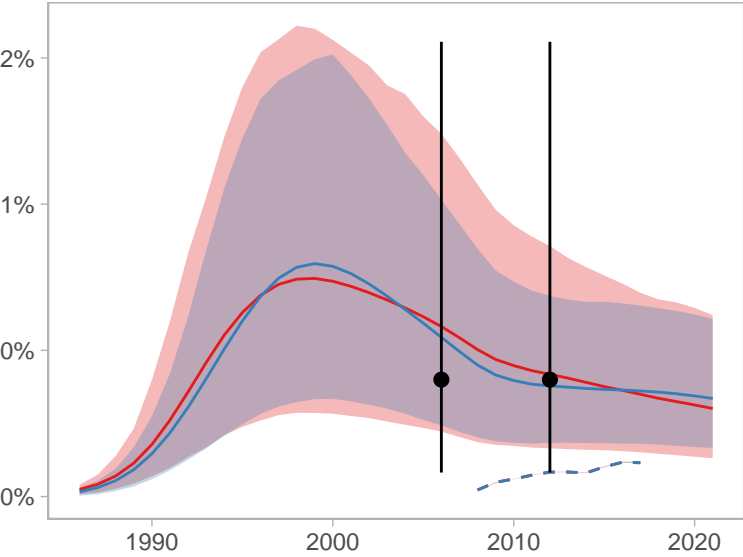
Adult (15+) ART coverage



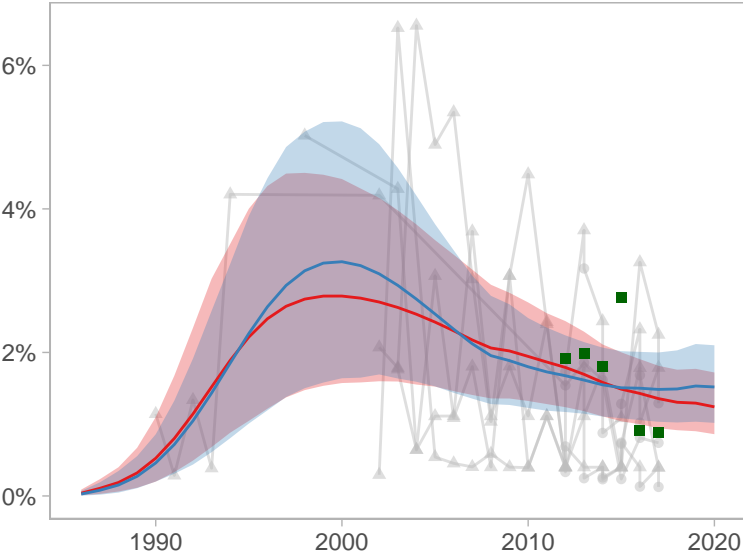
Model: — r-hybrid — r-spline

Benin – Alibori

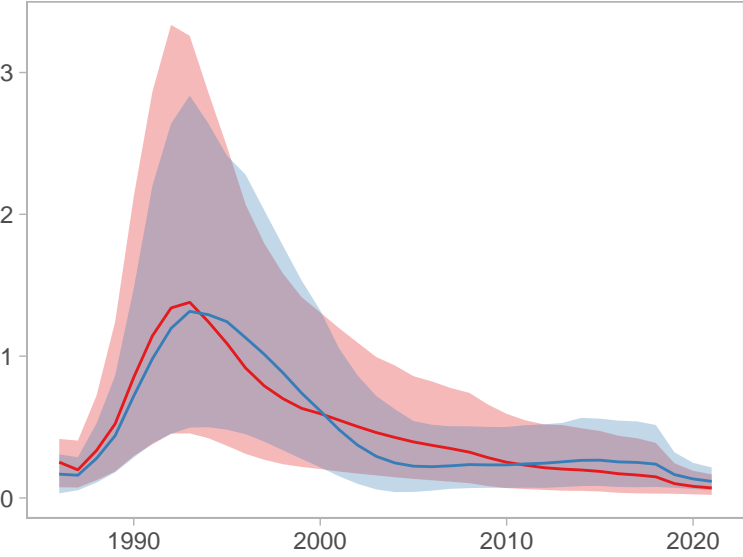
HIV prevalence



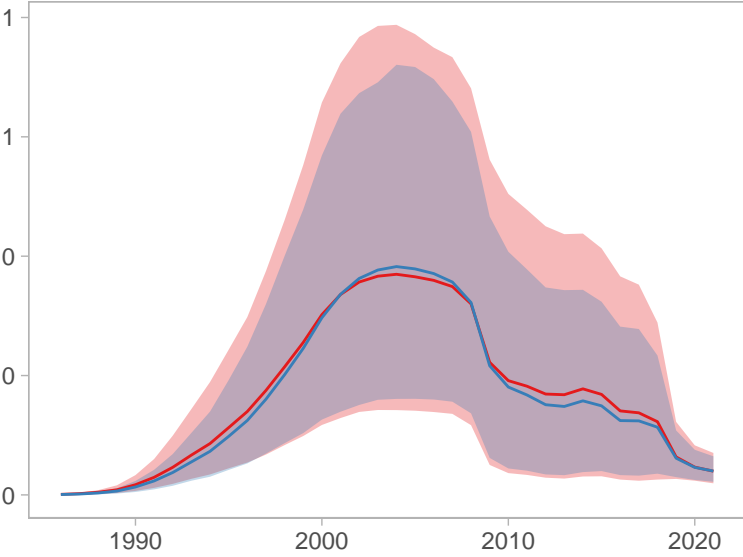
Pregnant women HIV prevalence



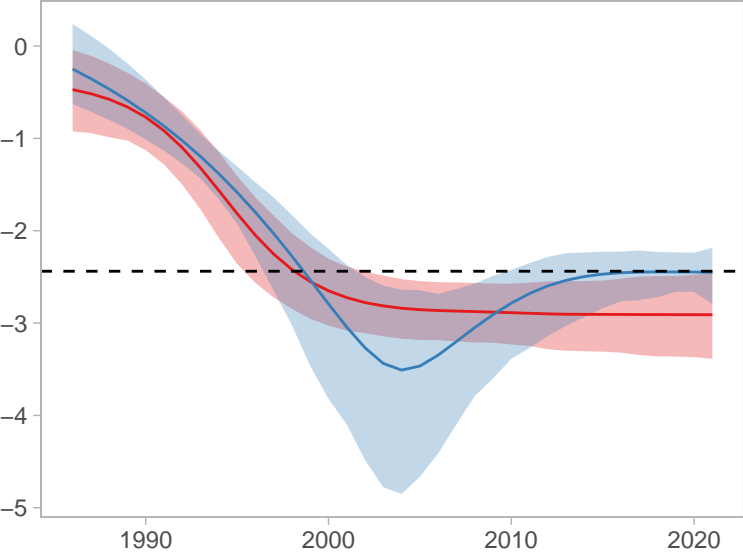
HIV incidence per 1000



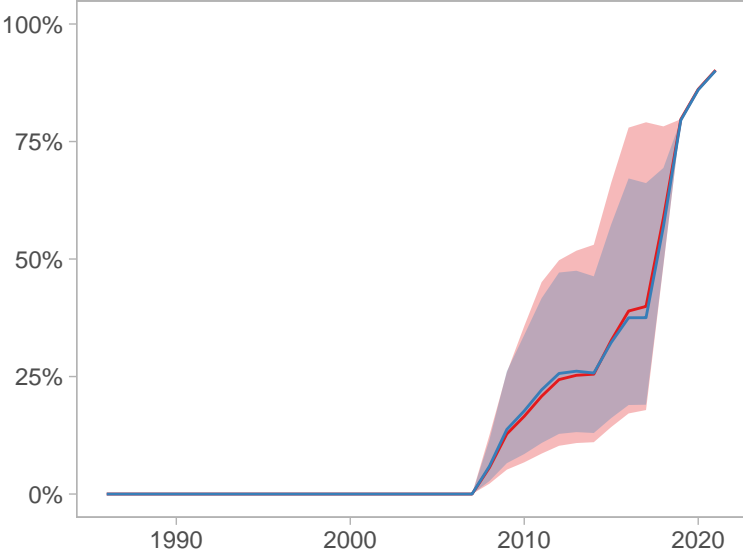
AIDS deaths per 1000 (age 15+)



log r(t)

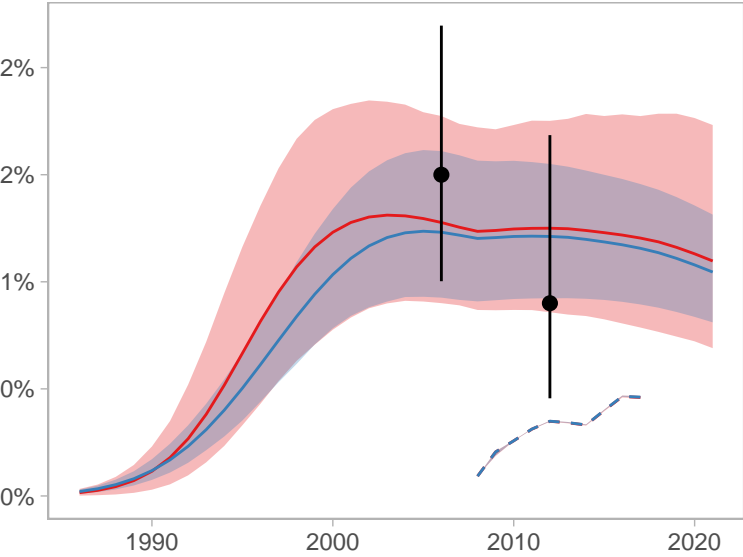


Adult (15+) ART coverage

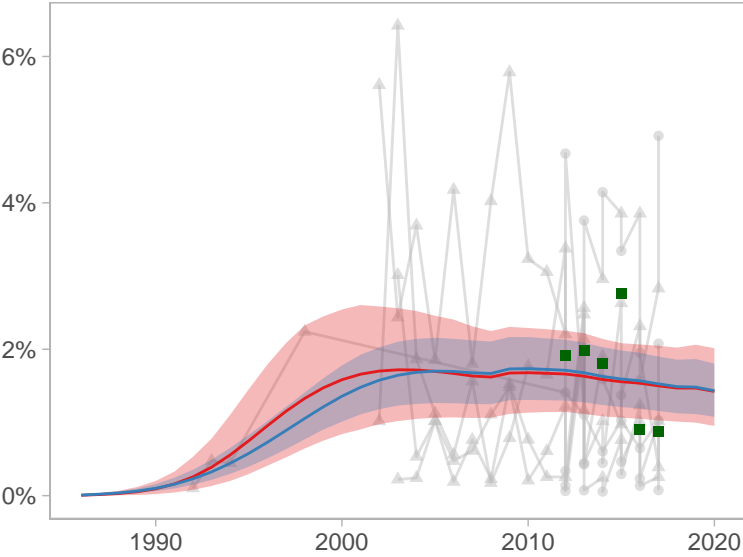


Model: r-hybrid r-spline

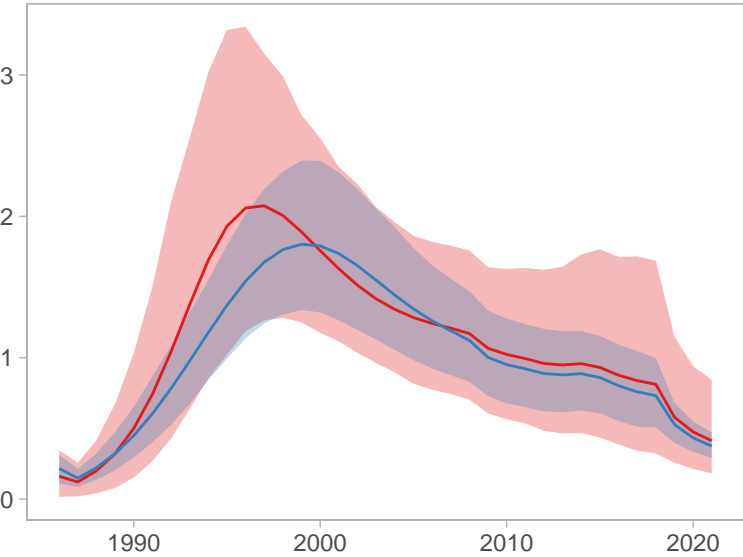
Benin – Atacora
HIV prevalence



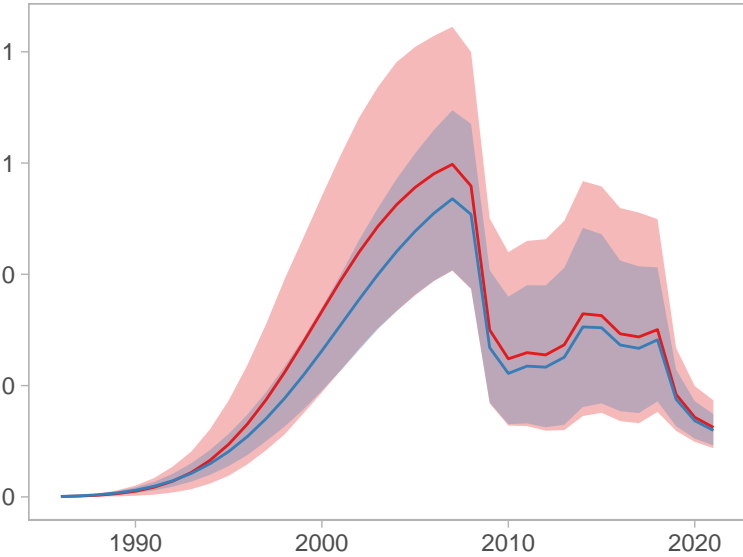
Pregnant women HIV prevalence



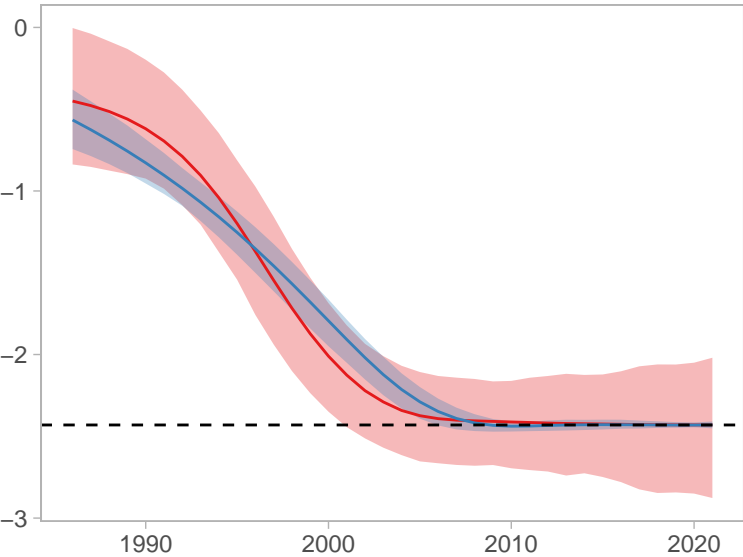
HIV incidence per 1000



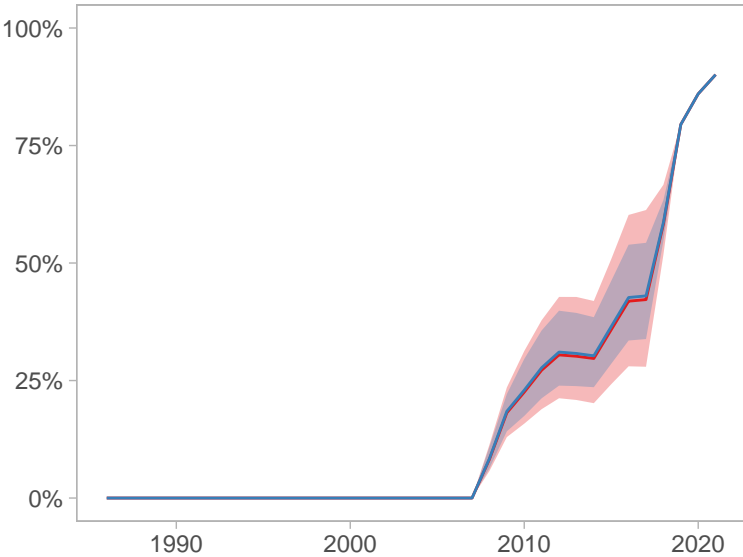
AIDS deaths per 1000 (age 15+)



log r(t)

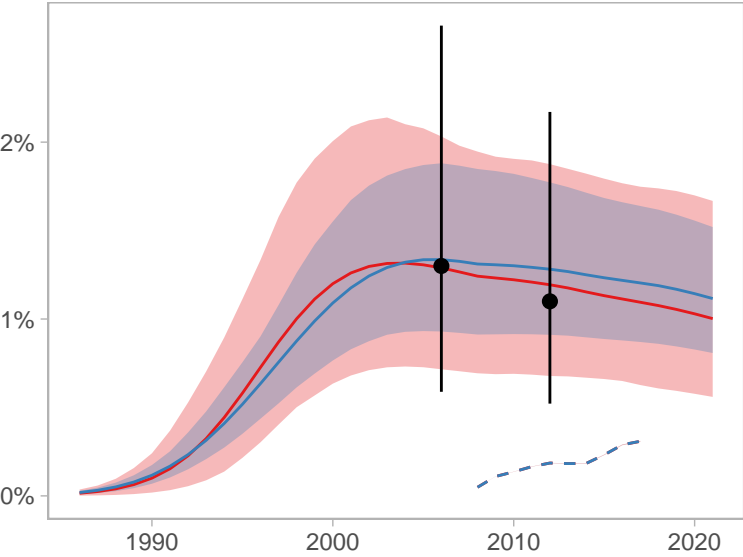


Adult (15+) ART coverage

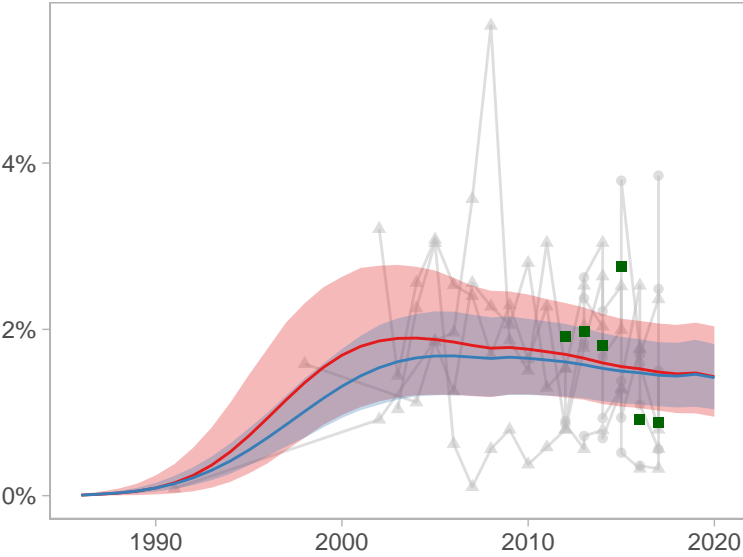


Model: r-hybrid r-spline

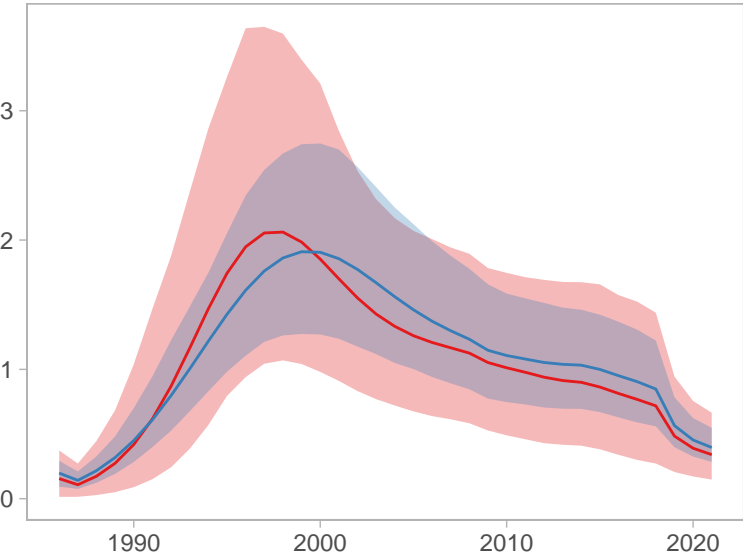
Benin – Atlantique
HIV prevalence



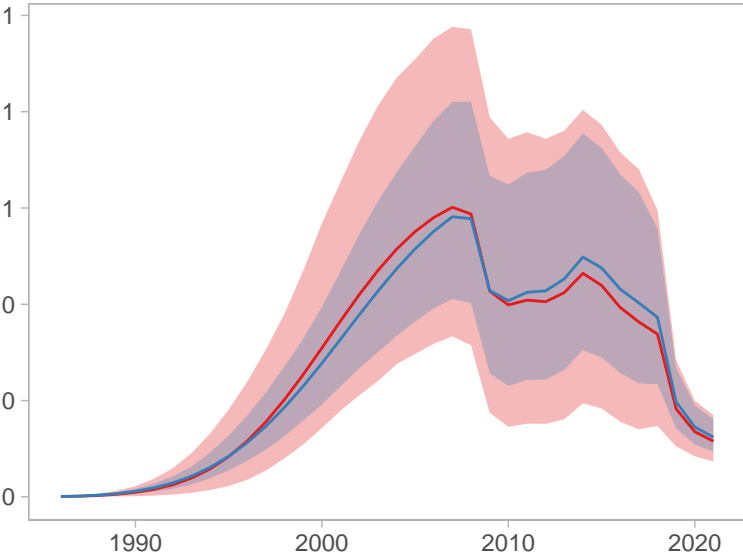
Pregnant women HIV prevalence



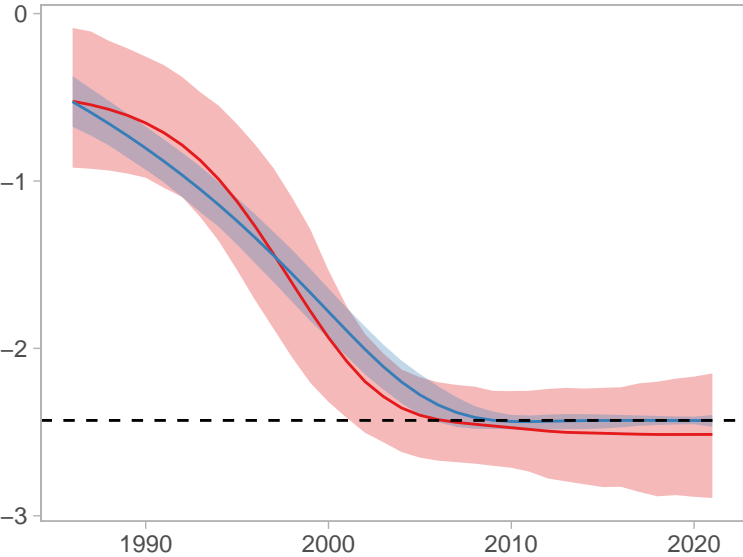
HIV incidence per 1000



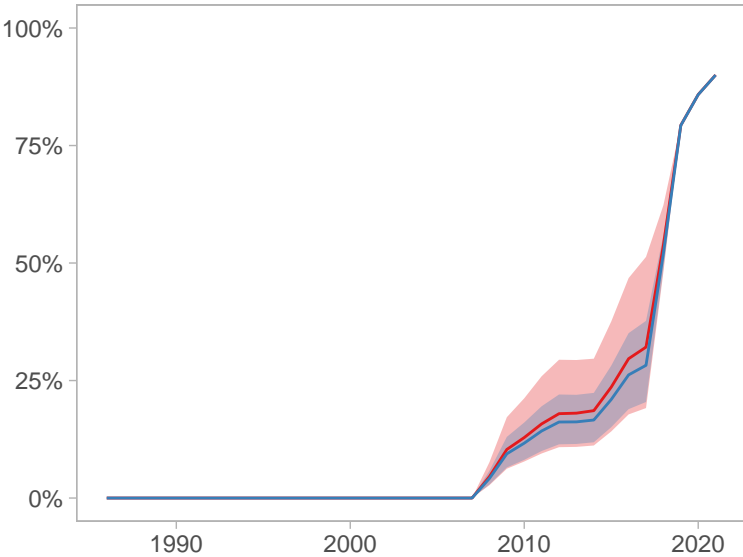
AIDS deaths per 1000 (age 15+)



log r(t)



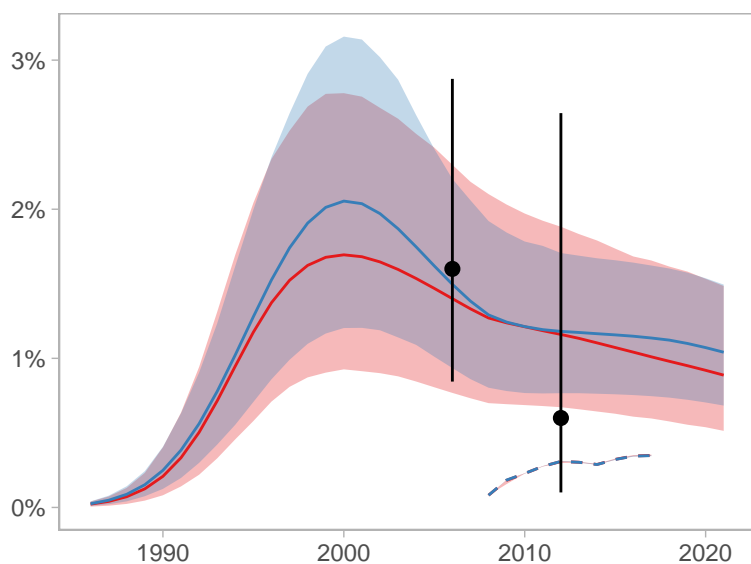
Adult (15+) ART coverage



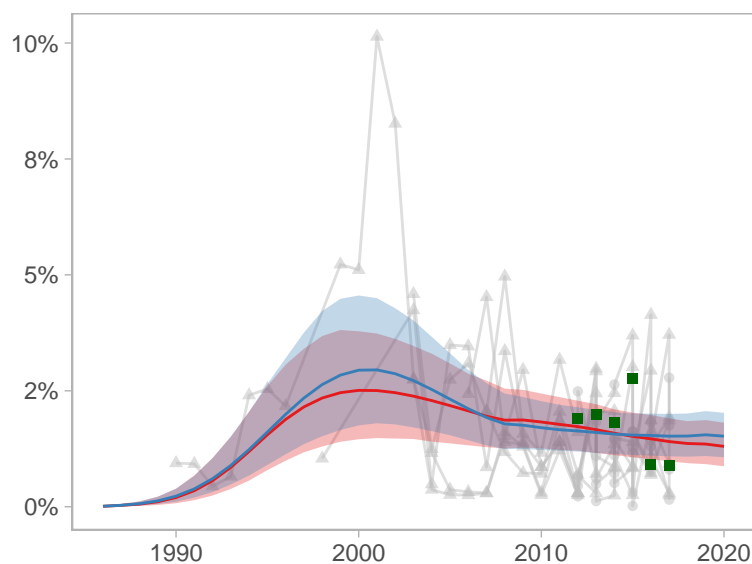
Model: — r-hybrid — r-spline

Benin – Borgou

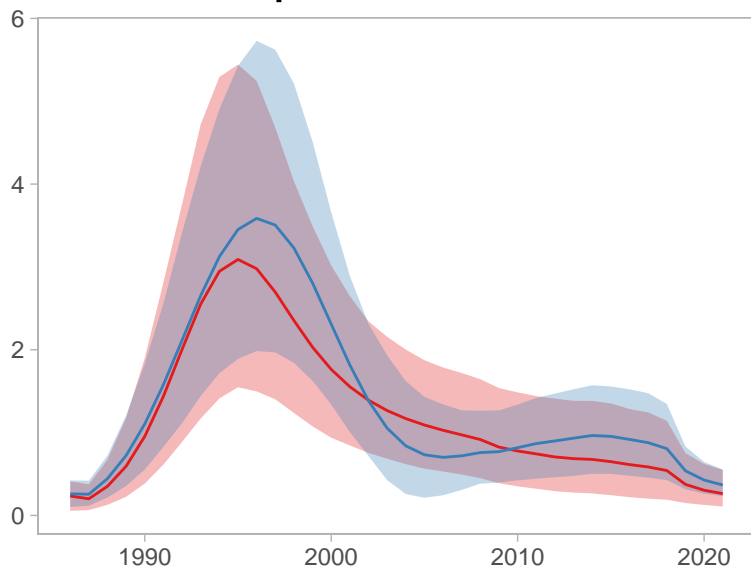
HIV prevalence



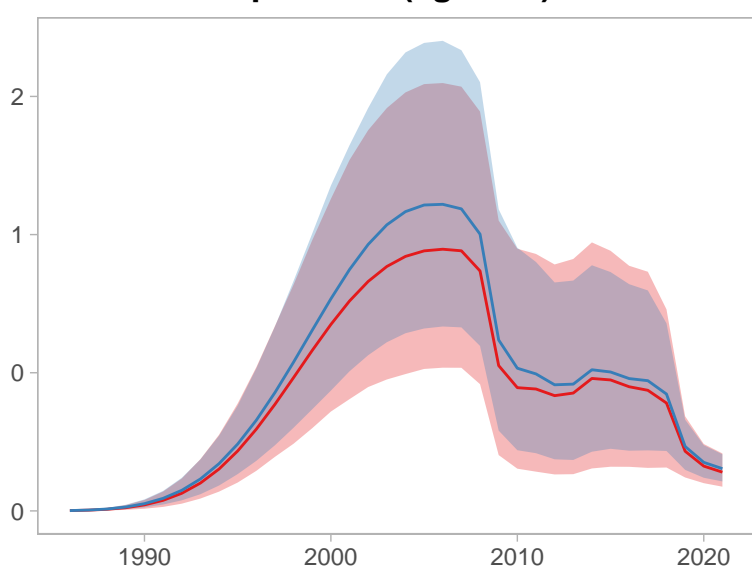
Pregnant women HIV prevalence



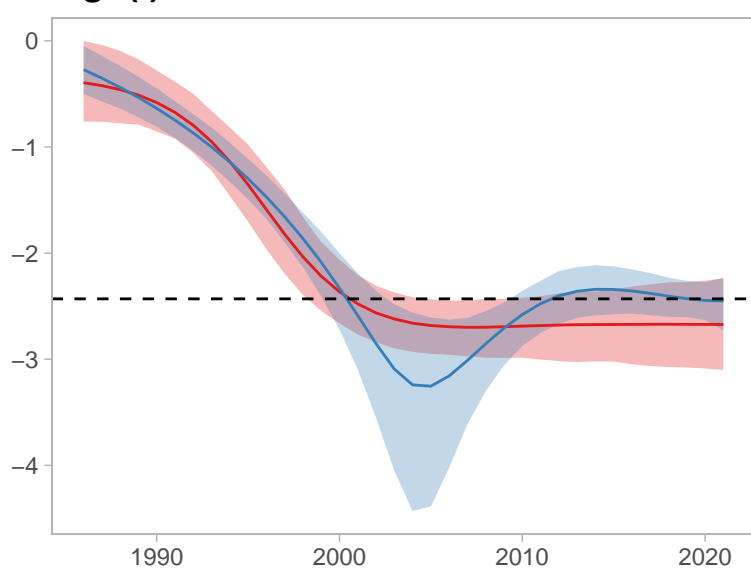
HIV incidence per 1000



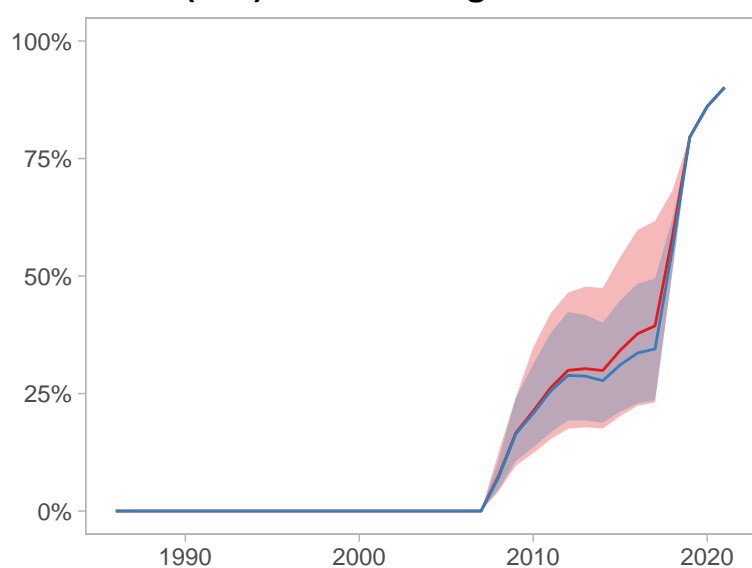
AIDS deaths per 1000 (age 15+)



log r(t)



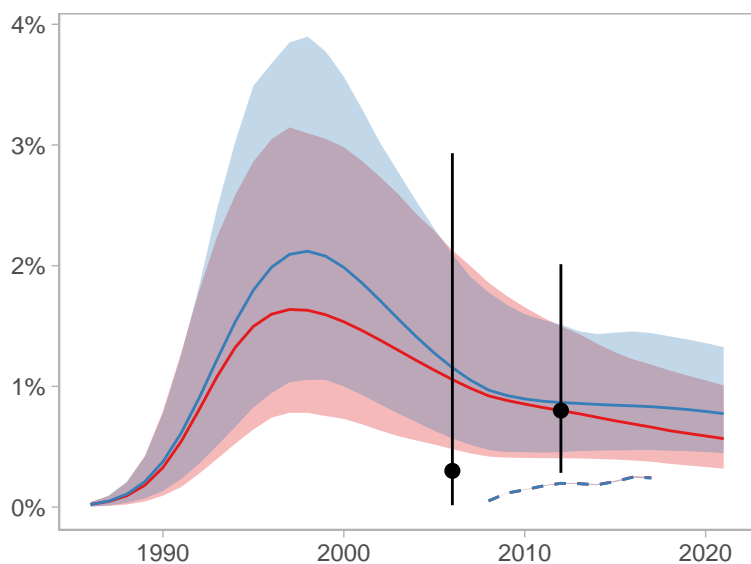
Adult (15+) ART coverage



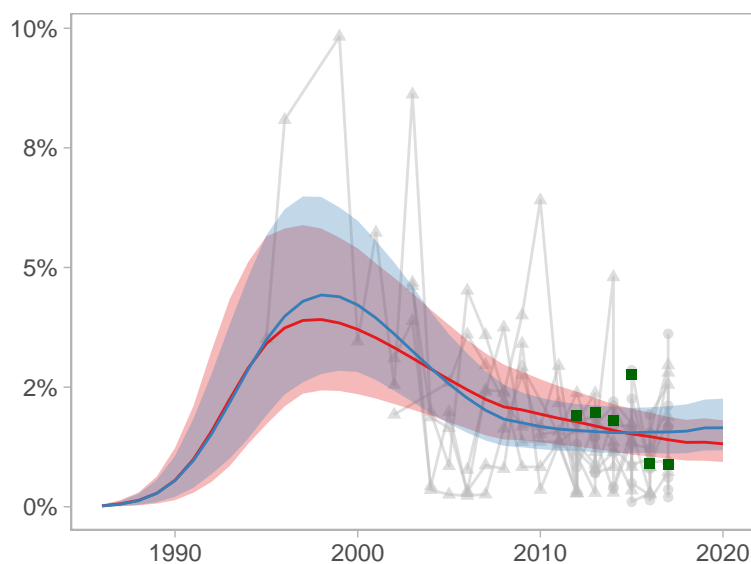
Model: — r-hybrid — r-spline

Benin – Collines

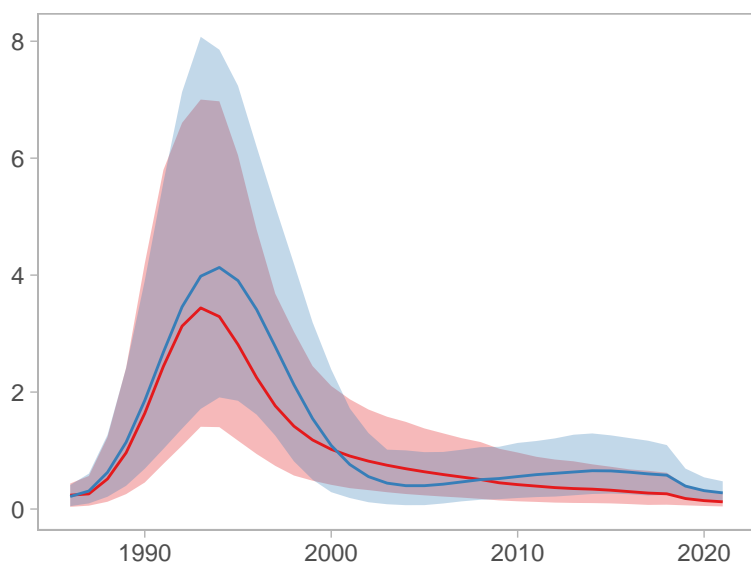
HIV prevalence



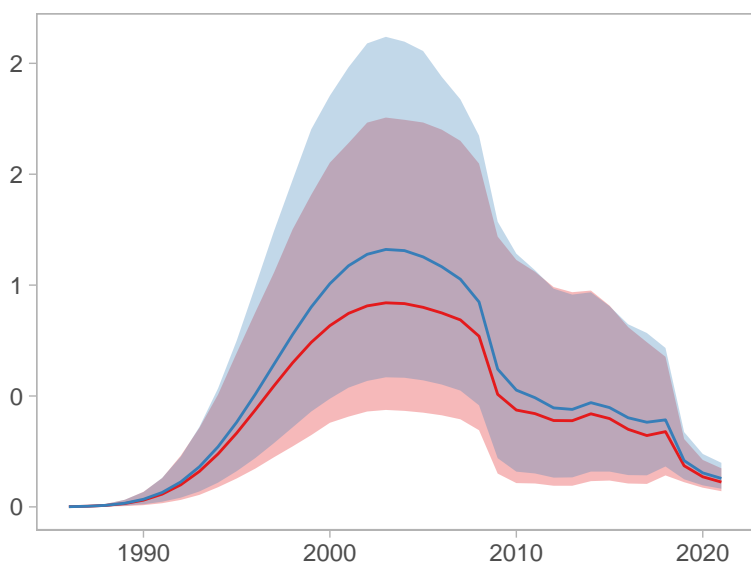
Pregnant women HIV prevalence



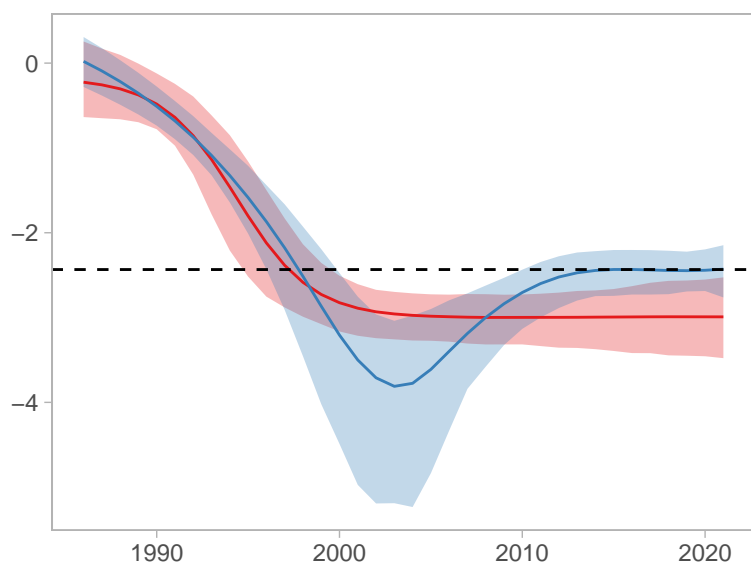
HIV incidence per 1000



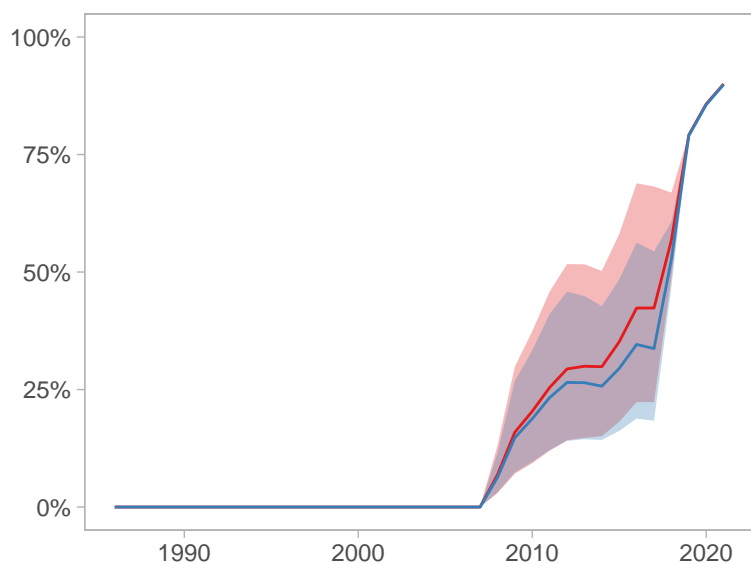
AIDS deaths per 1000 (age 15+)



log r(t)



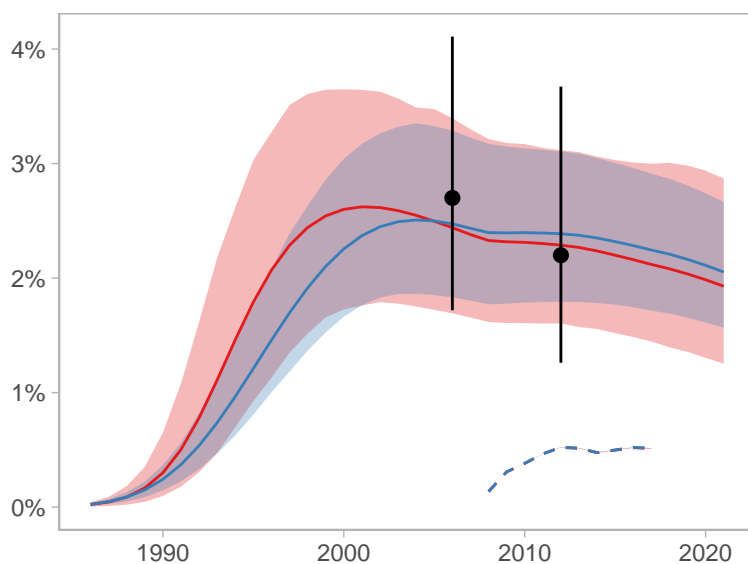
Adult (15+) ART coverage



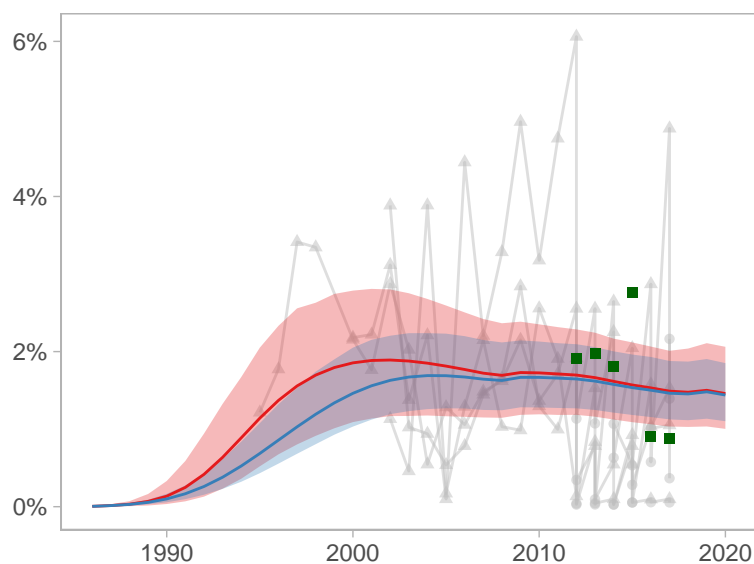
Model: — r-hybrid — r-spline

Benin – Couffo

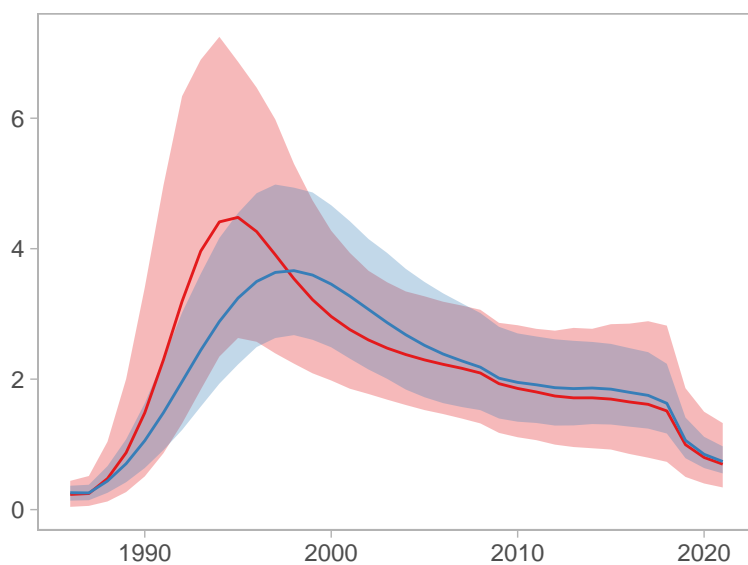
HIV prevalence



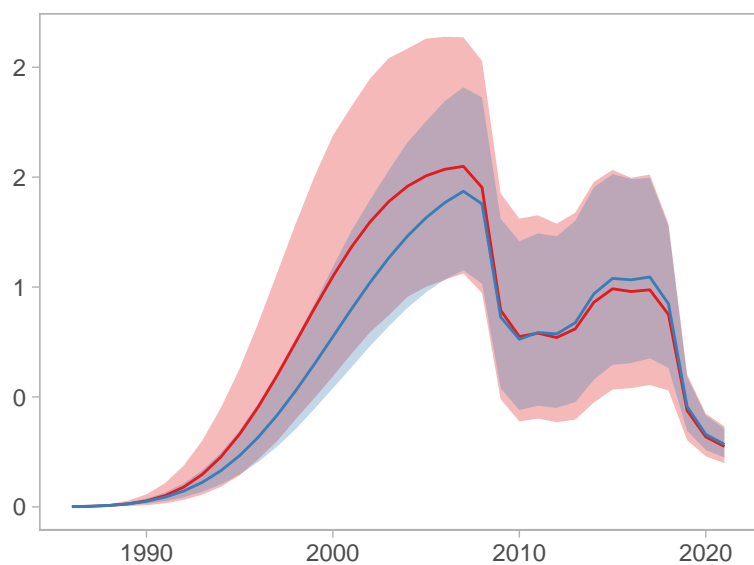
Pregnant women HIV prevalence



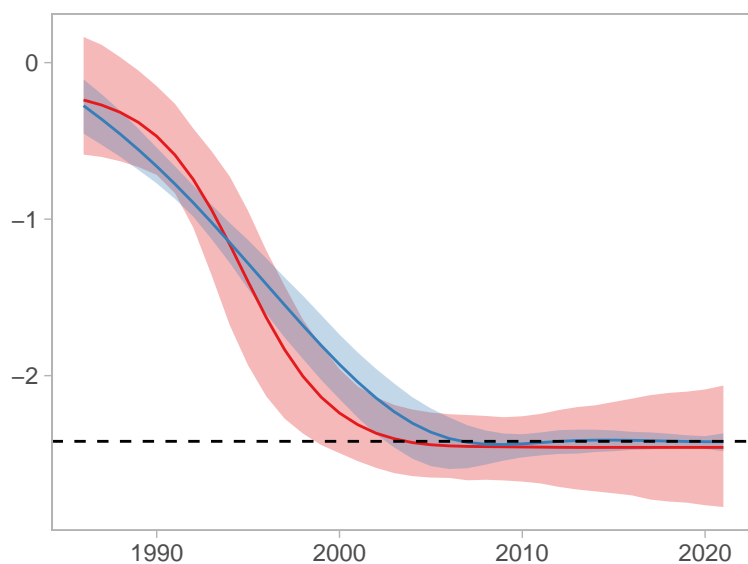
HIV incidence per 1000



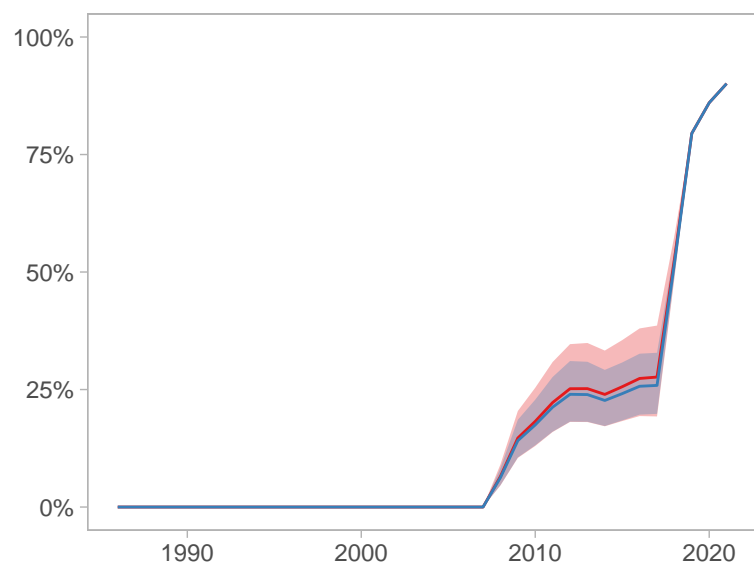
AIDS deaths per 1000 (age 15+)



log r(t)



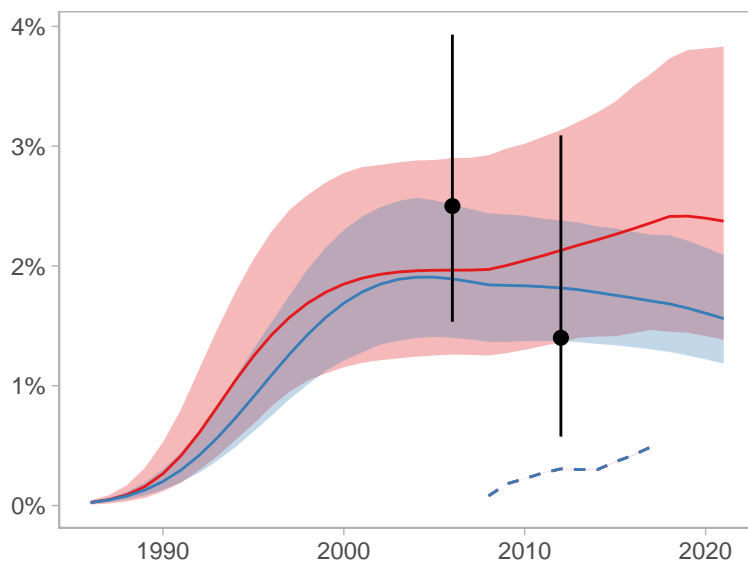
Adult (15+) ART coverage



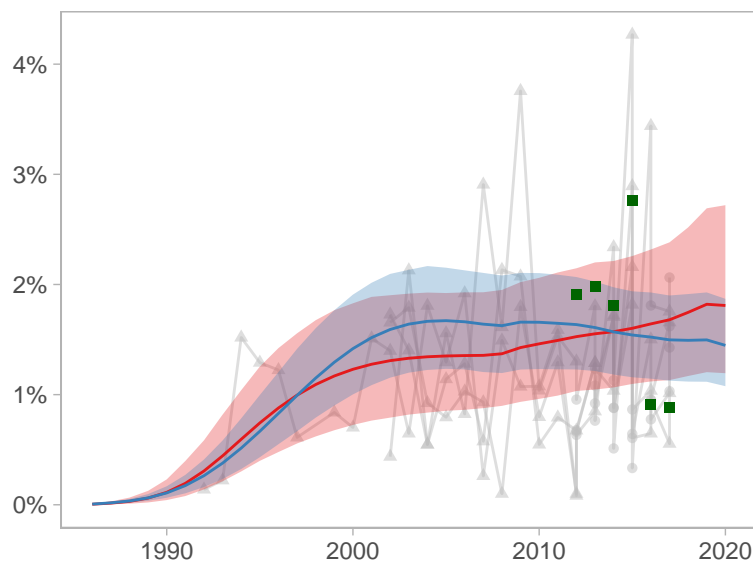
Model: — r-hybrid — r-spline

Benin – Donga

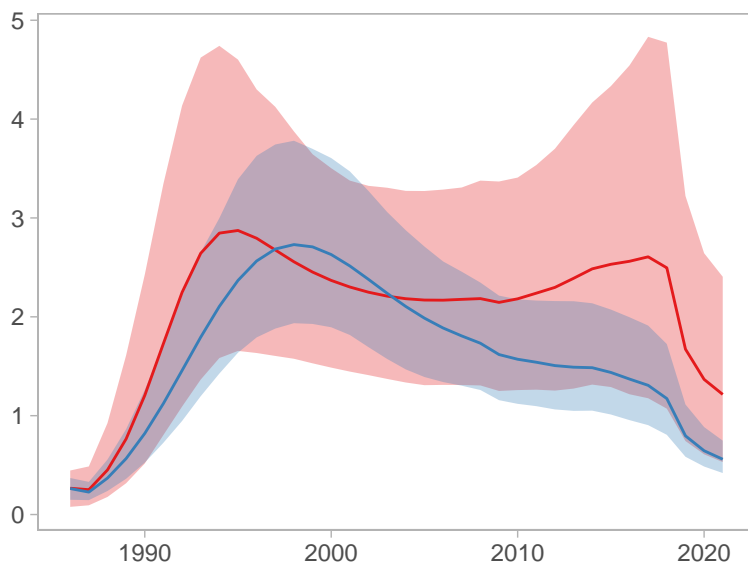
HIV prevalence



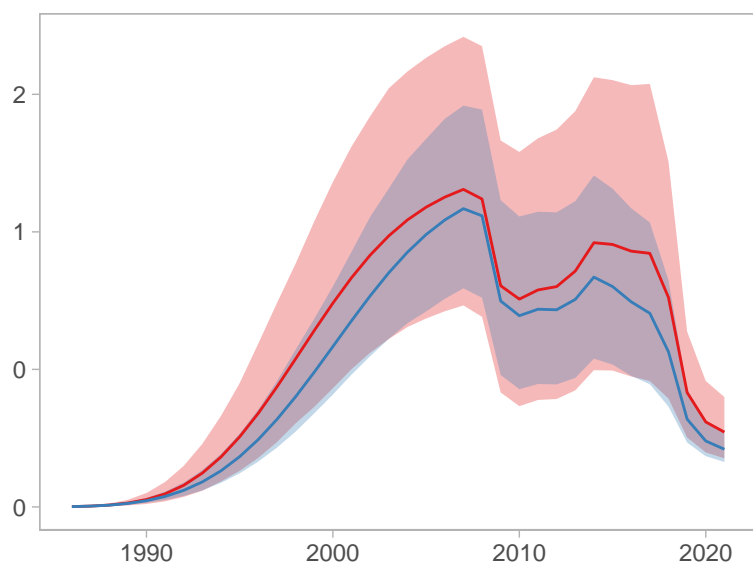
Pregnant women HIV prevalence



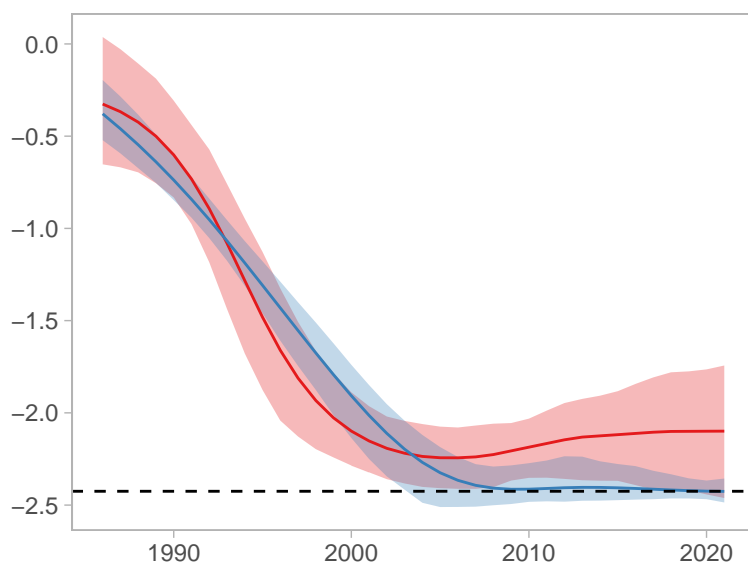
HIV incidence per 1000



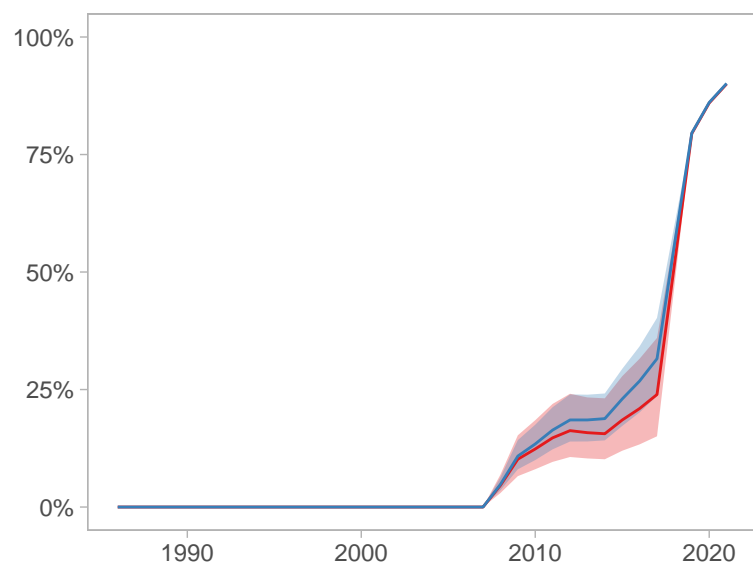
AIDS deaths per 1000 (age 15+)



log r(t)



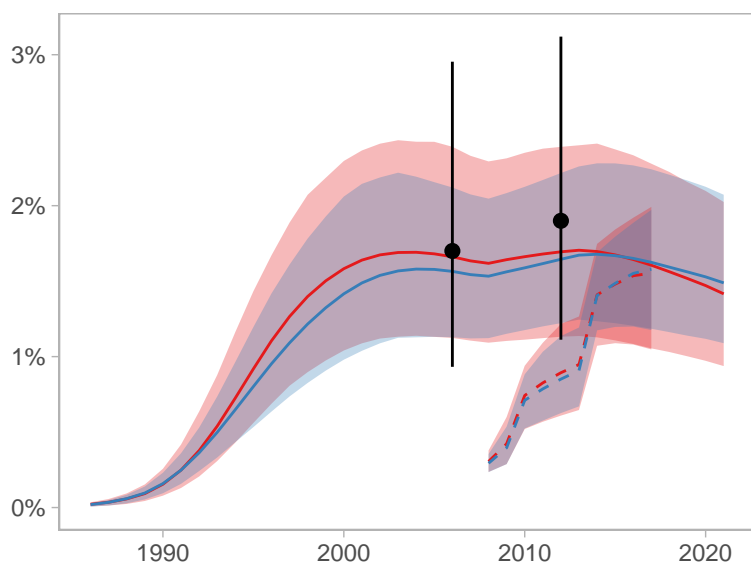
Adult (15+) ART coverage



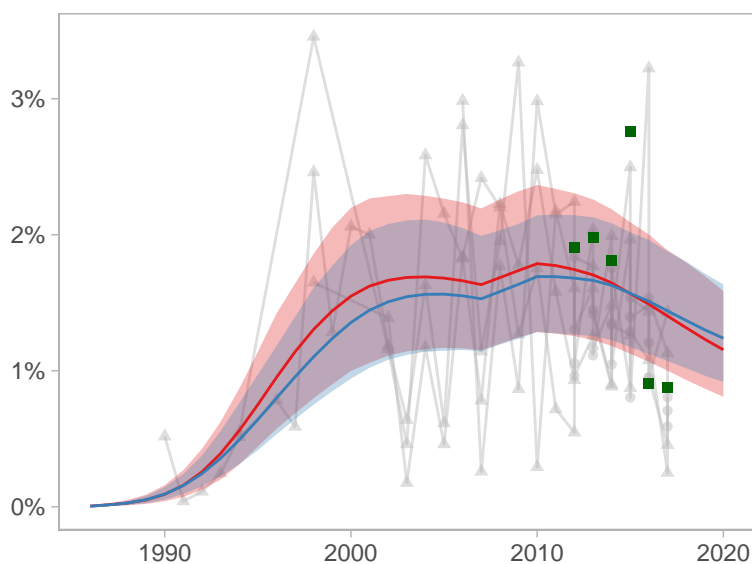
Model: — r-hybrid — r-spline

Benin – Littoral

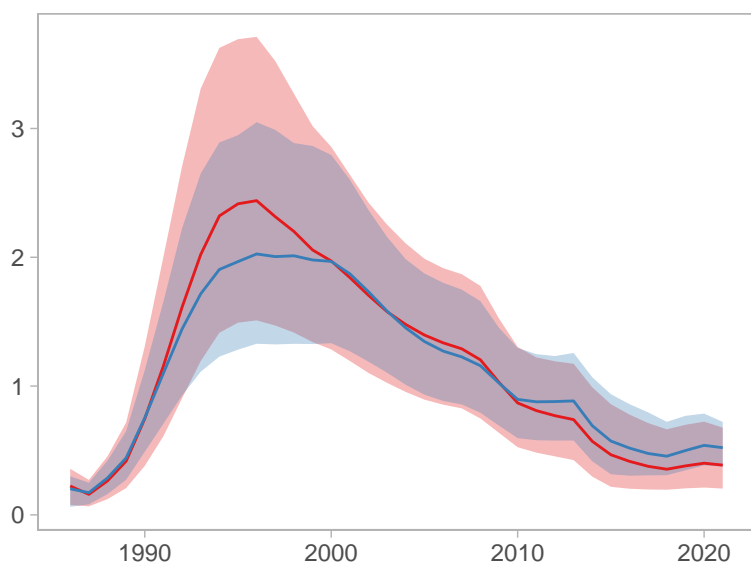
HIV prevalence



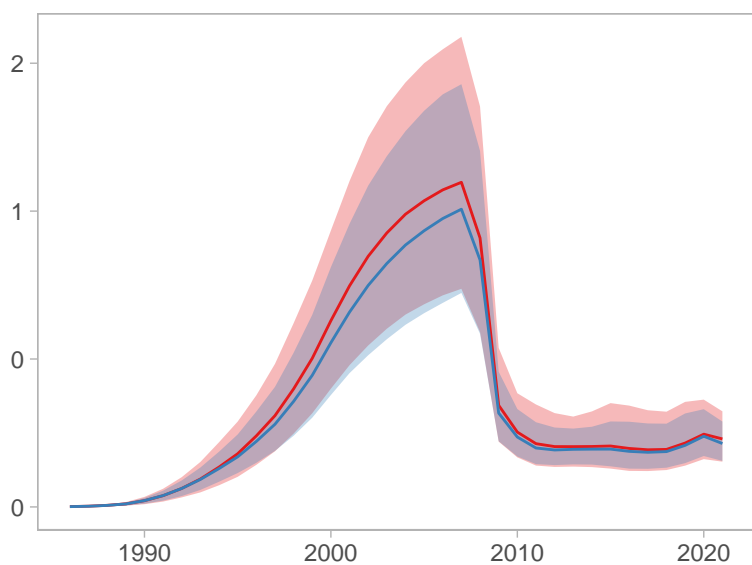
Pregnant women HIV prevalence



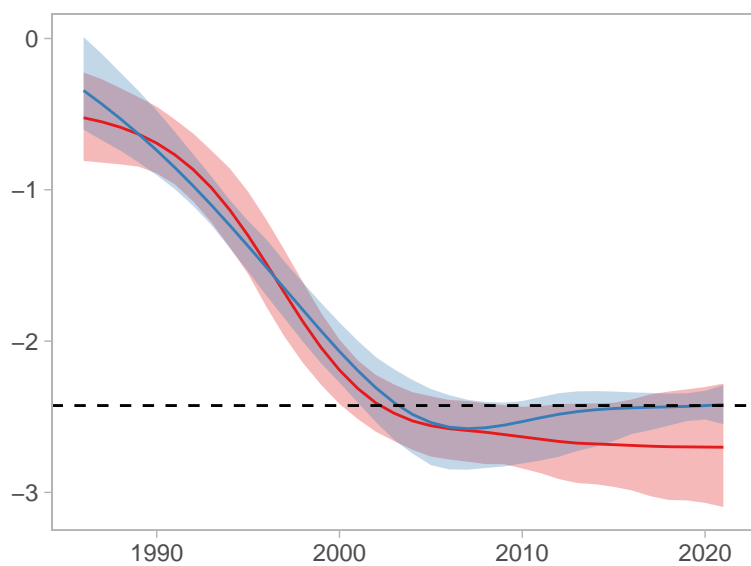
HIV incidence per 1000



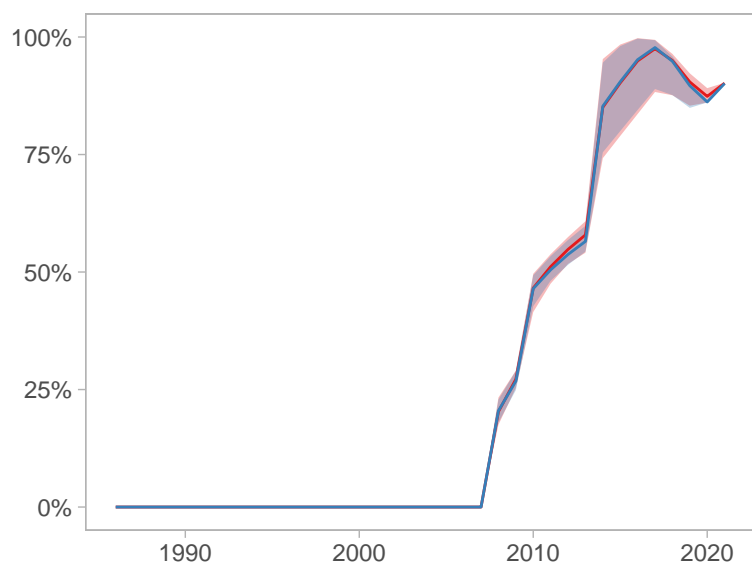
AIDS deaths per 1000 (age 15+)



log r(t)



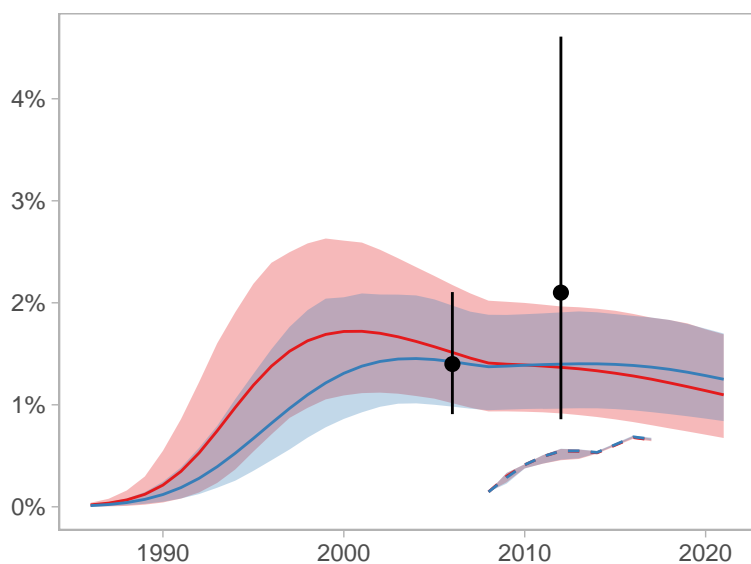
Adult (15+) ART coverage



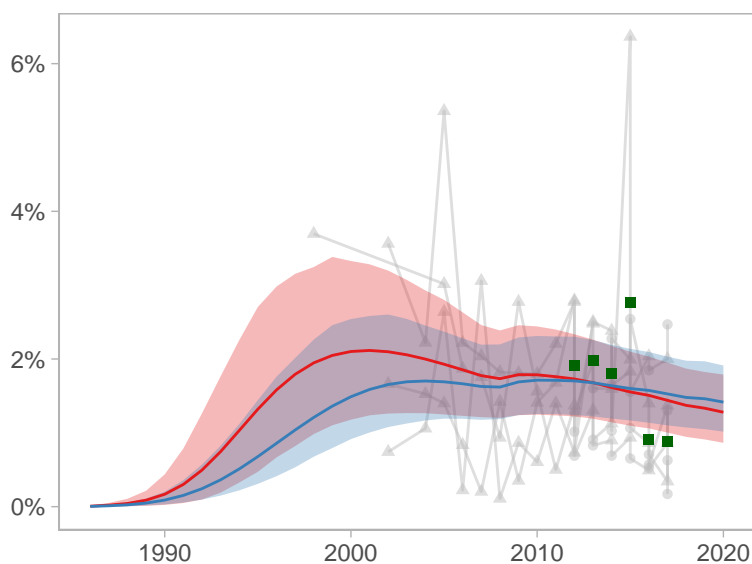
Model: — r-hybrid — r-spline

Benin – Mono

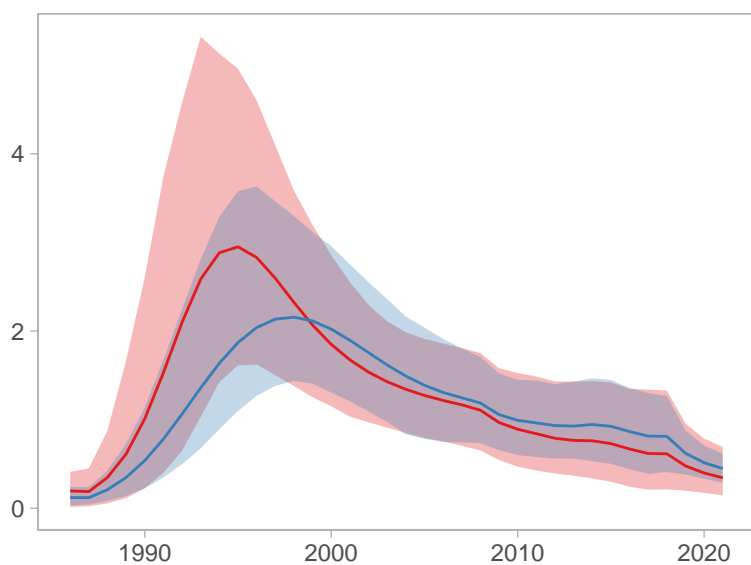
HIV prevalence



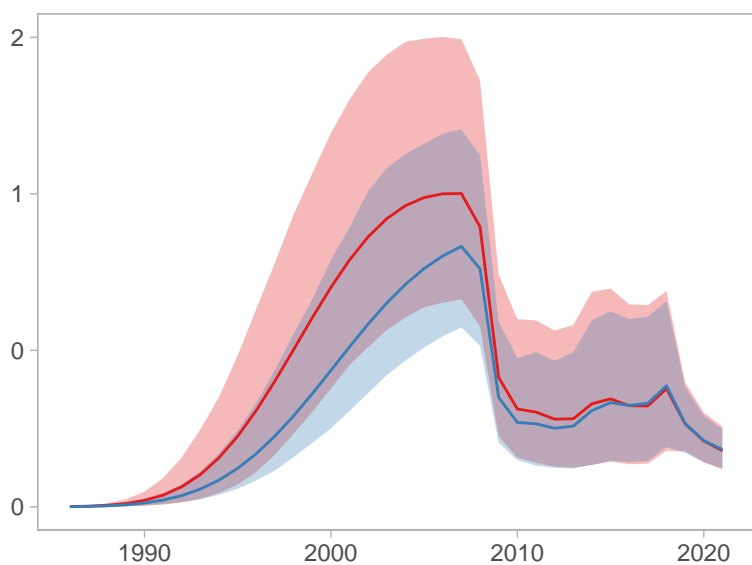
Pregnant women HIV prevalence



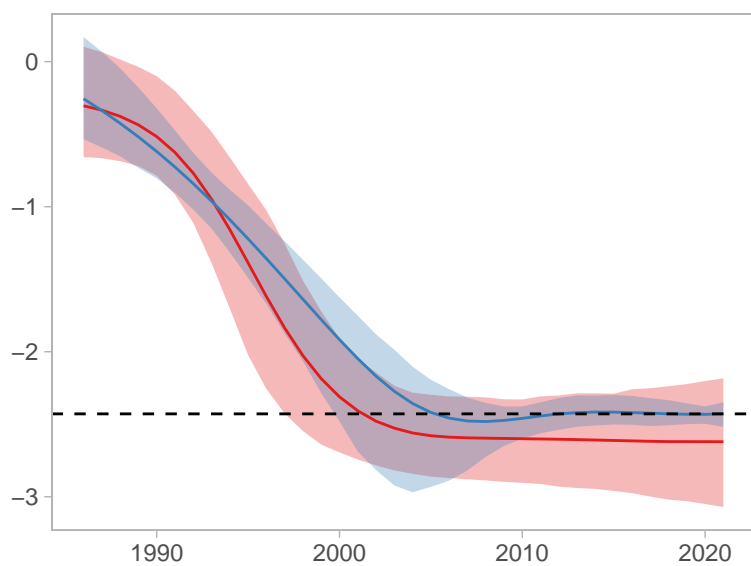
HIV incidence per 1000



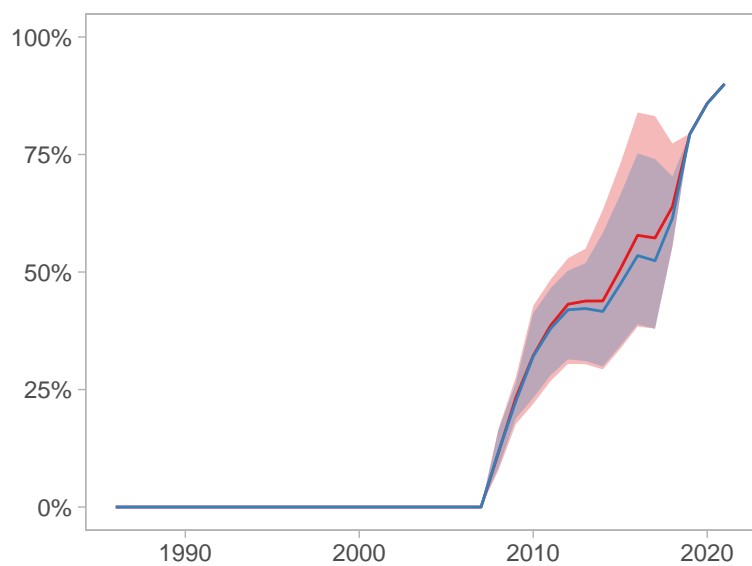
AIDS deaths per 1000 (age 15+)



log r(t)



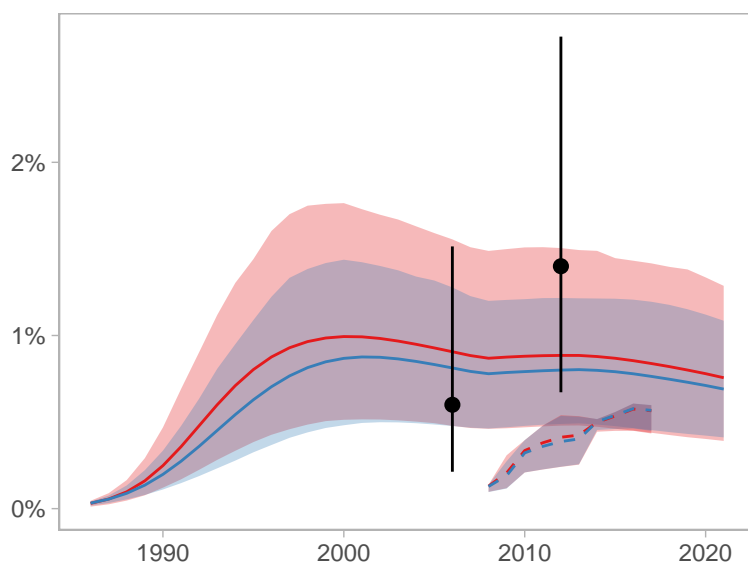
Adult (15+) ART coverage



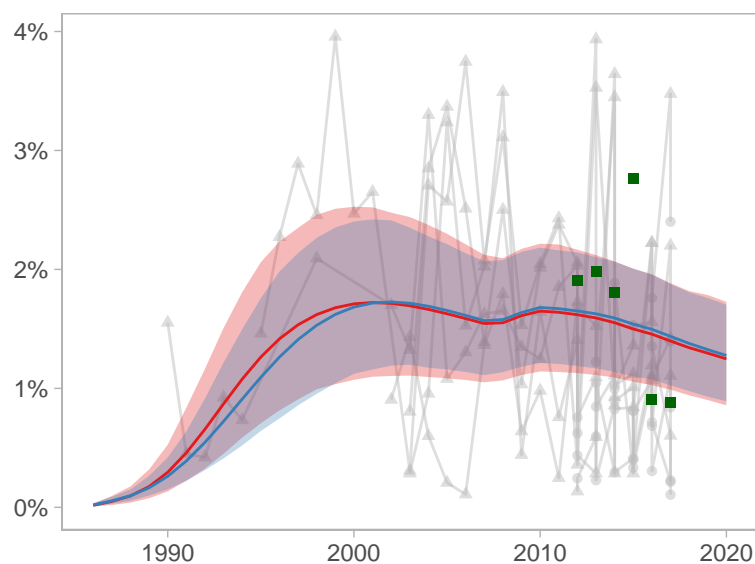
Model: — r-hybrid — r-spline

Benin – Oueme

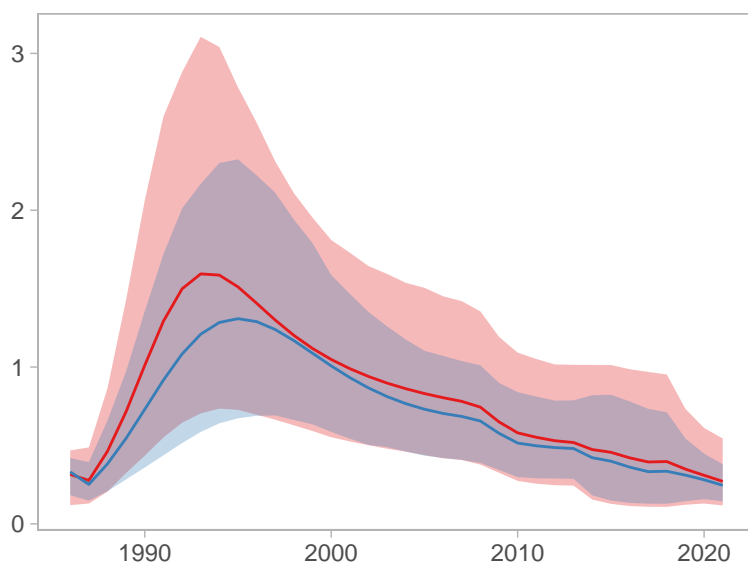
HIV prevalence



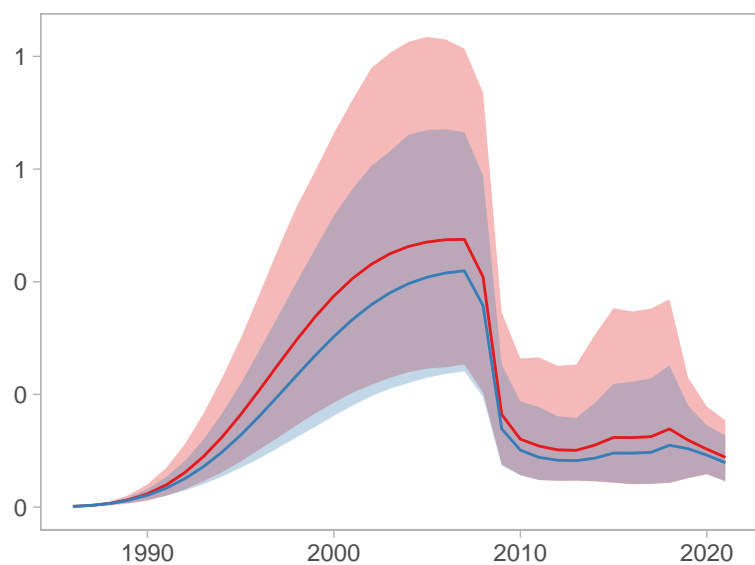
Pregnant women HIV prevalence



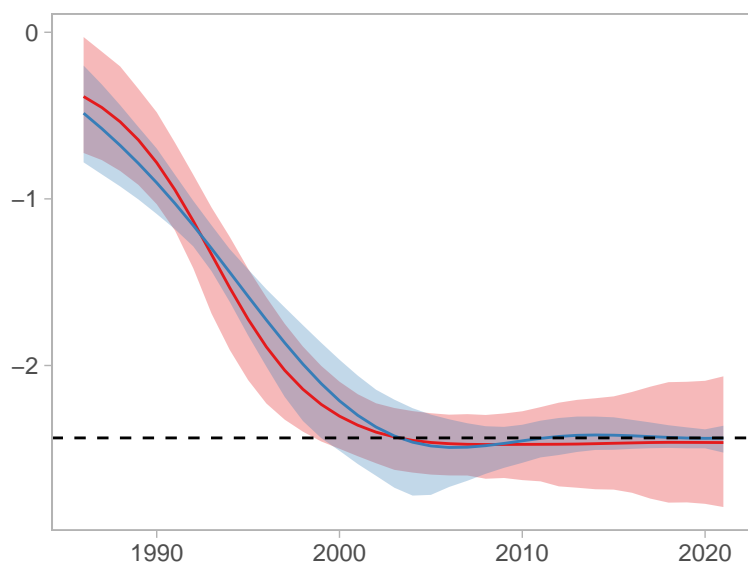
HIV incidence per 1000



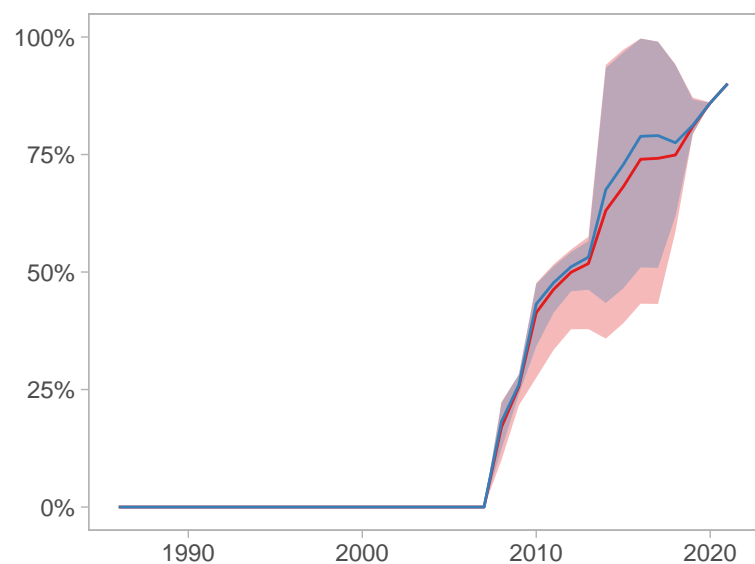
AIDS deaths per 1000 (age 15+)



log r(t)



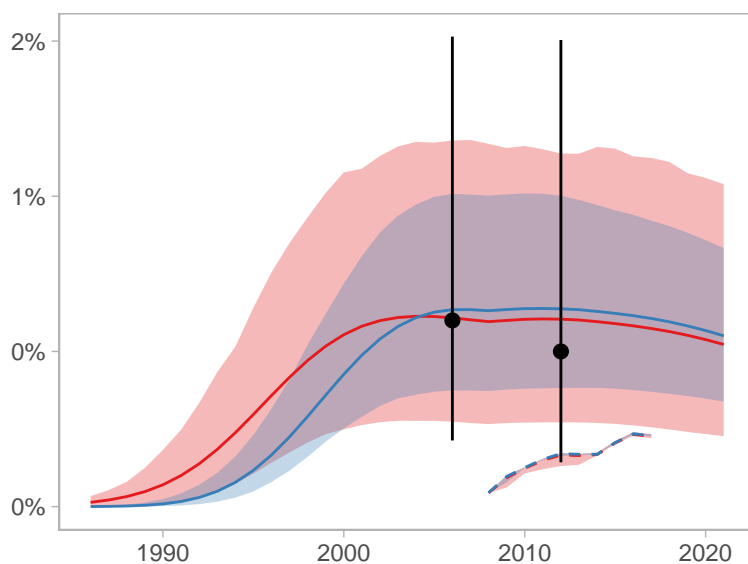
Adult (15+) ART coverage



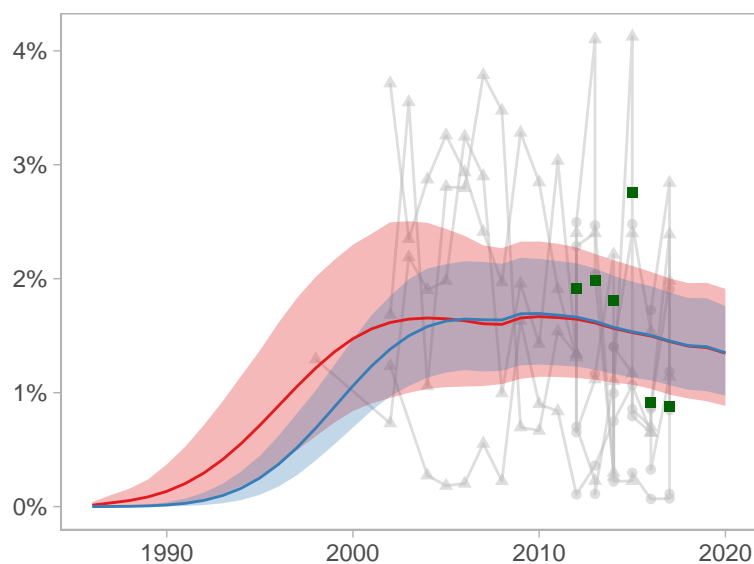
Model: — r-hybrid — r-spline

Benin – Plateau

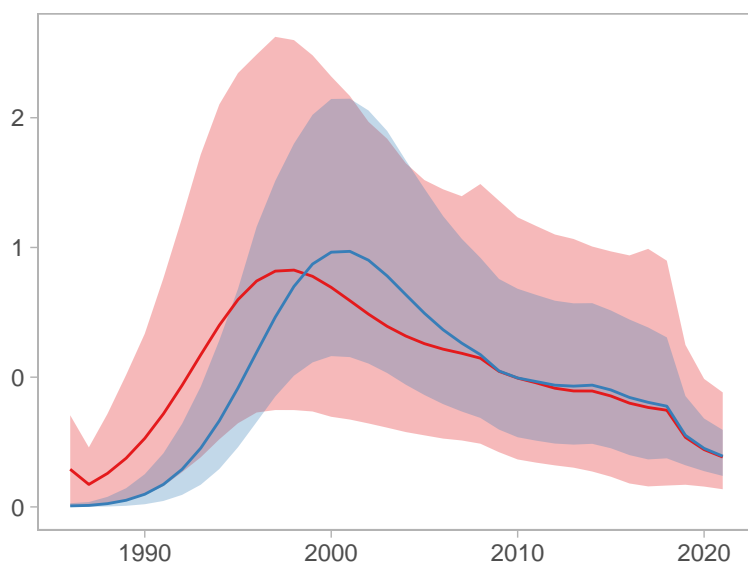
HIV prevalence



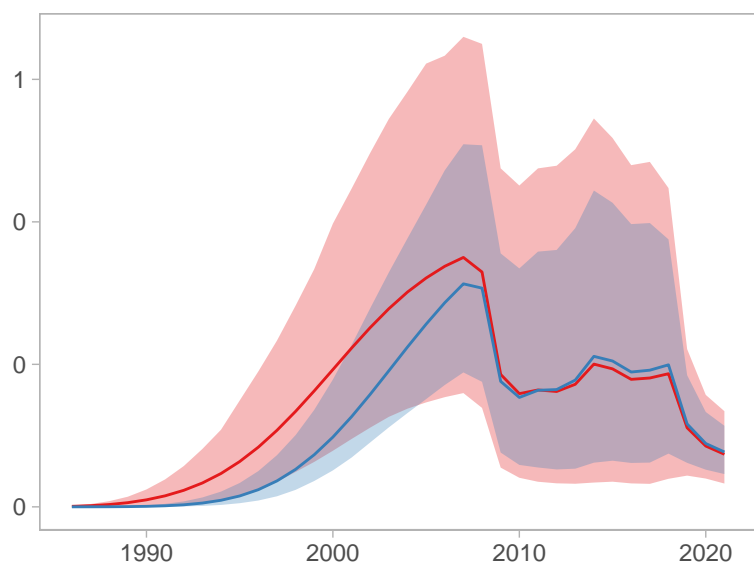
Pregnant women HIV prevalence



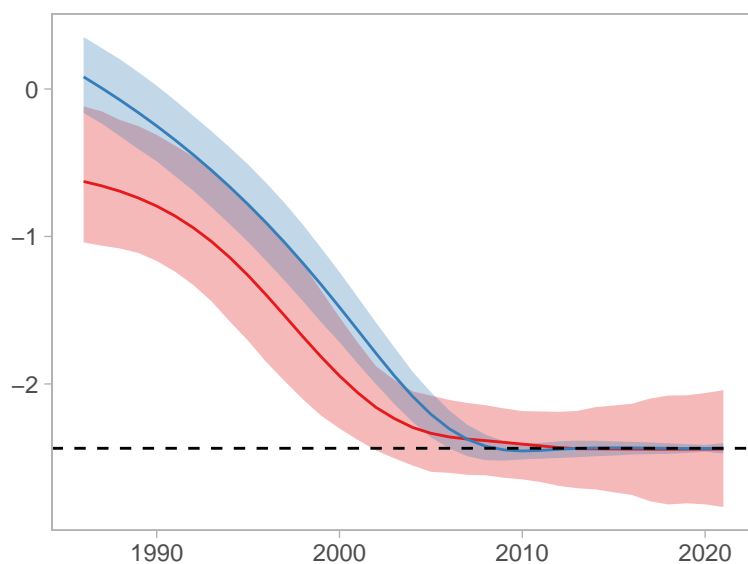
HIV incidence per 1000



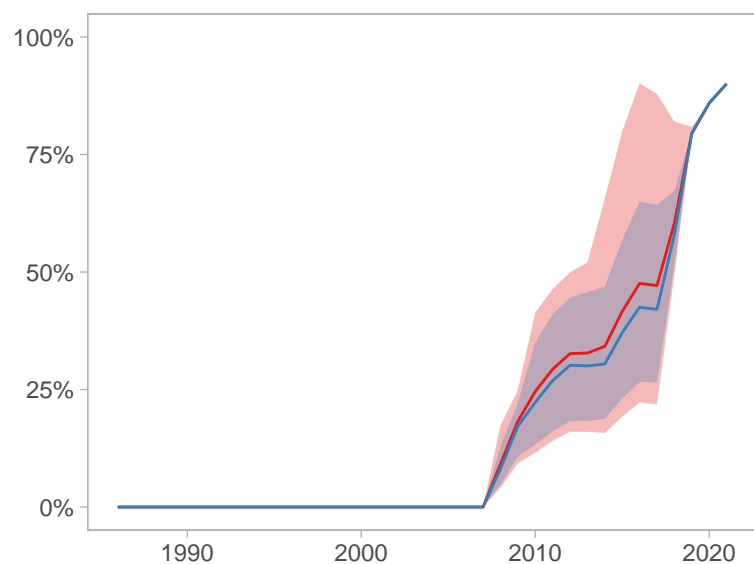
AIDS deaths per 1000 (age 15+)



log r(t)

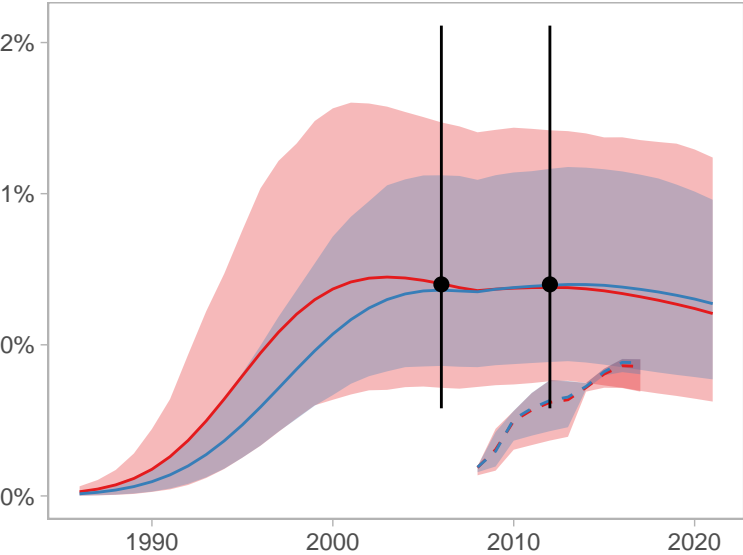


Adult (15+) ART coverage

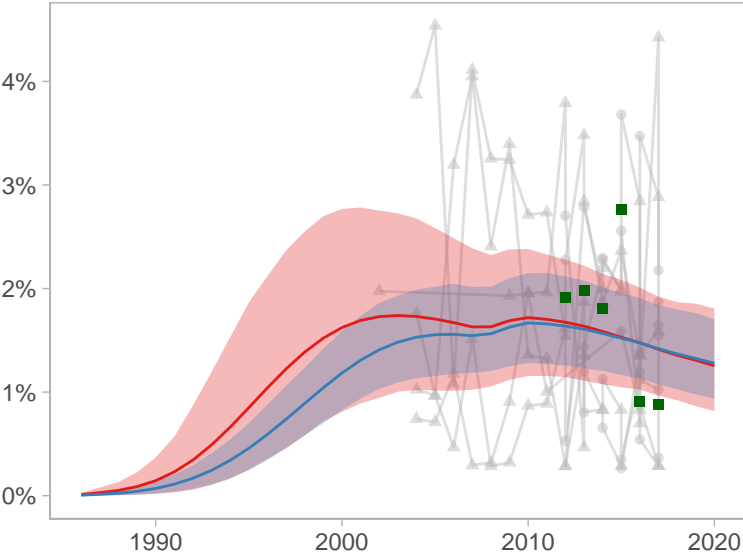


Model: — r-hybrid — r-spline

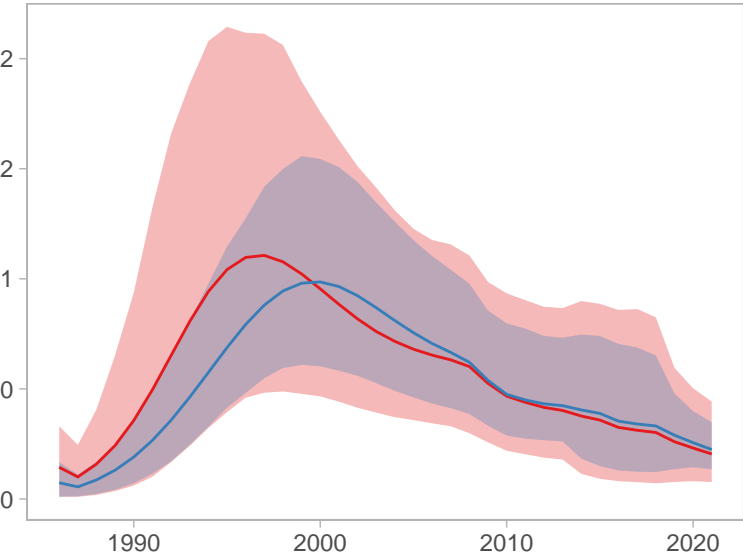
Benin – Zou
HIV prevalence



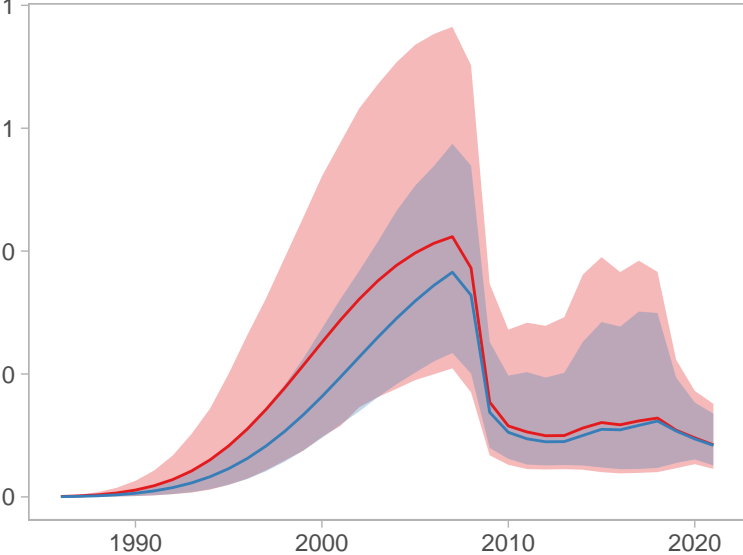
Pregnant women HIV prevalence



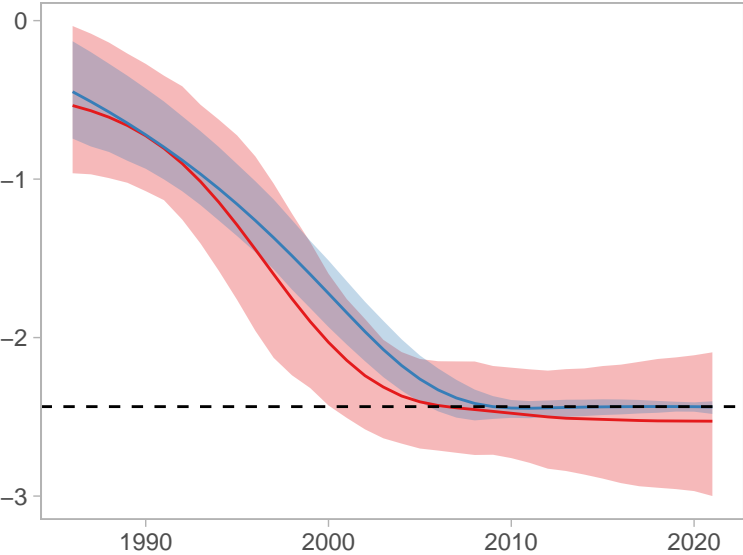
HIV incidence per 1000



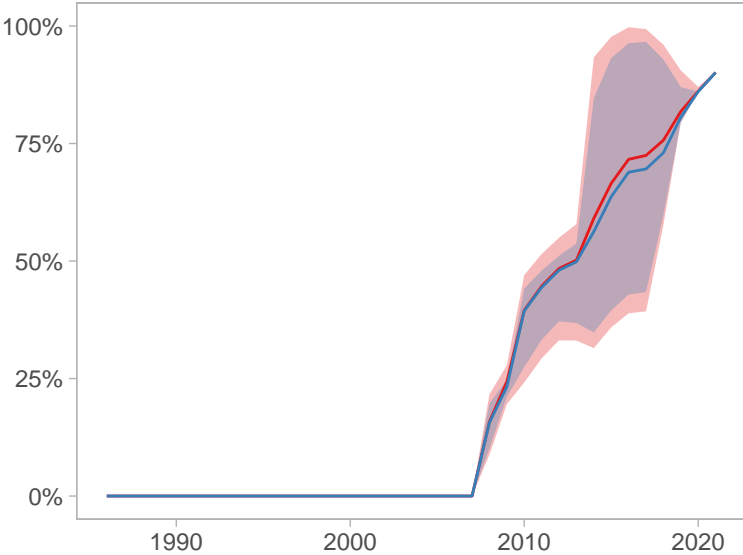
AIDS deaths per 1000 (age 15+)



log r(t)



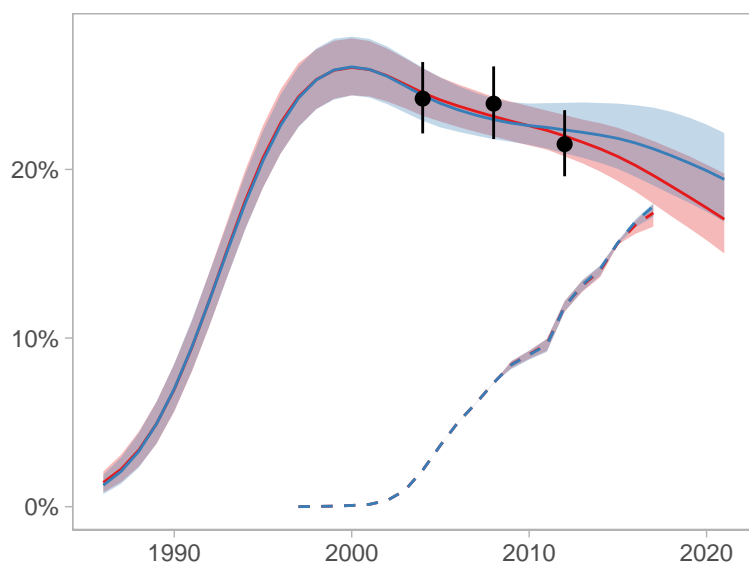
Adult (15+) ART coverage



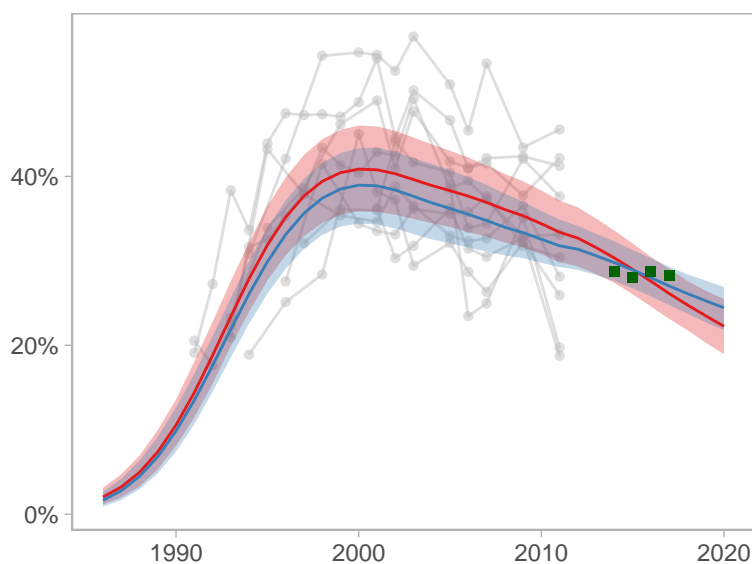
Model: — r-hybrid — r-spline

Botswana – Urban

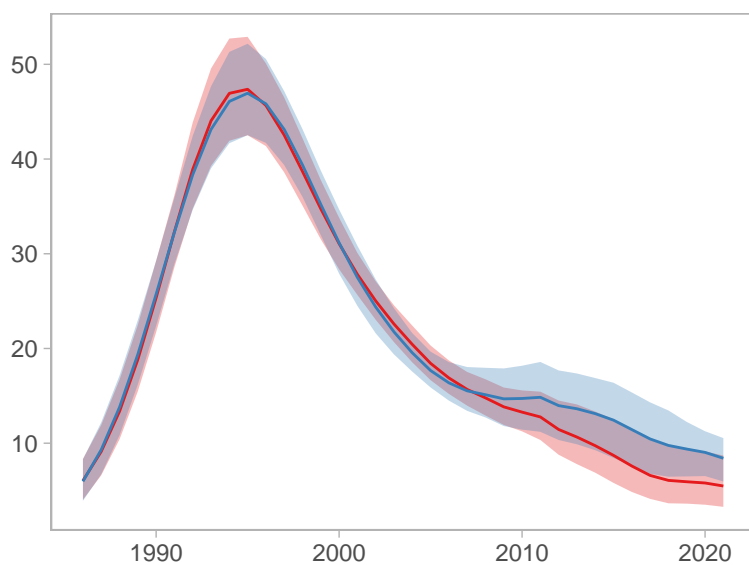
HIV prevalence



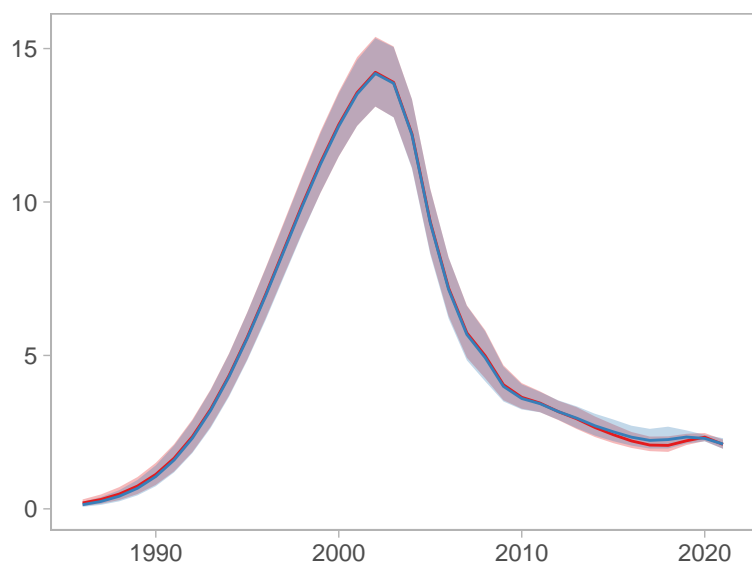
Pregnant women HIV prevalence



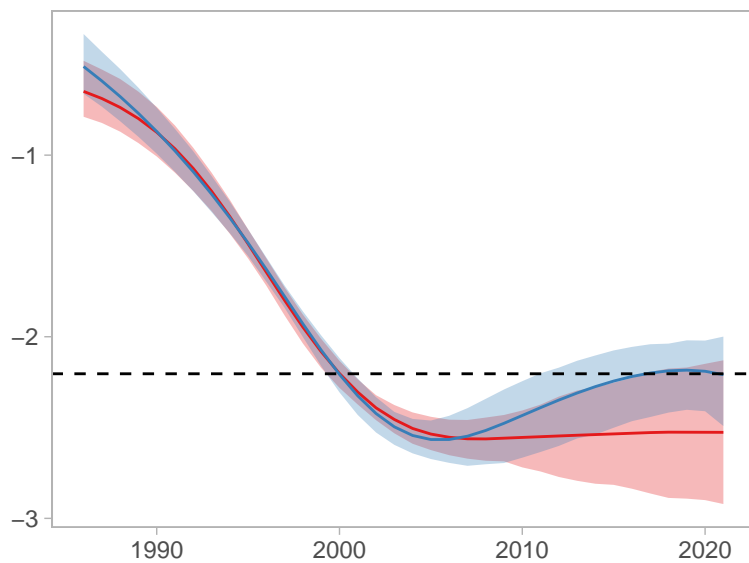
HIV incidence per 1000



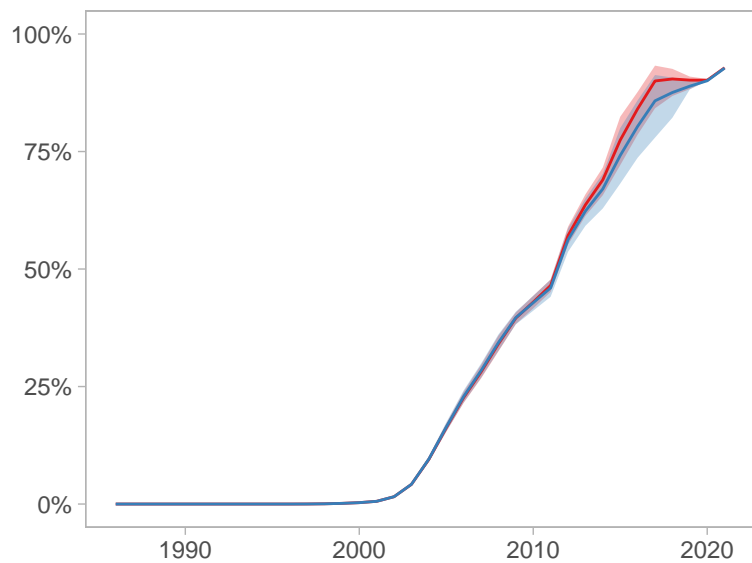
AIDS deaths per 1000 (age 15+)



log r(t)



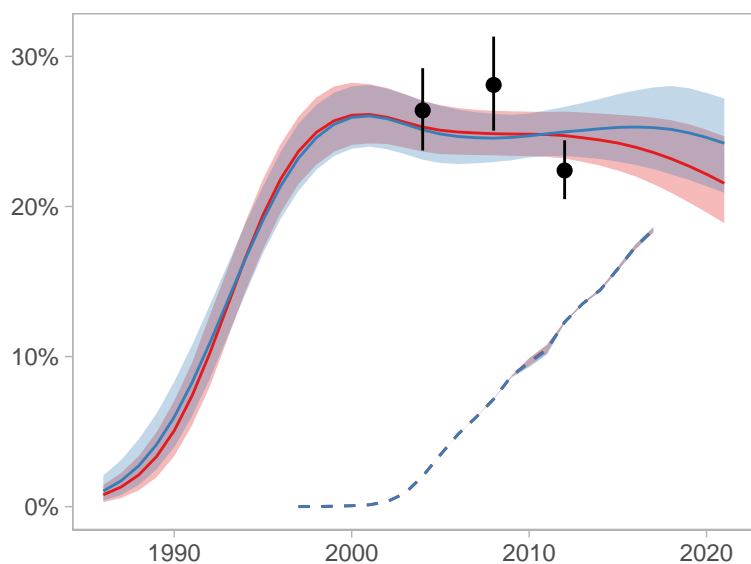
Adult (15+) ART coverage



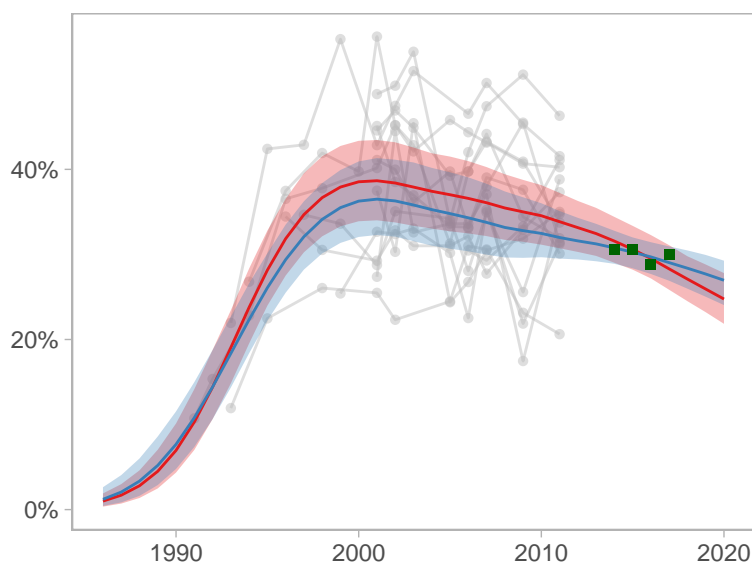
Model: — r-hybrid — r-spline

Botswana – Rural

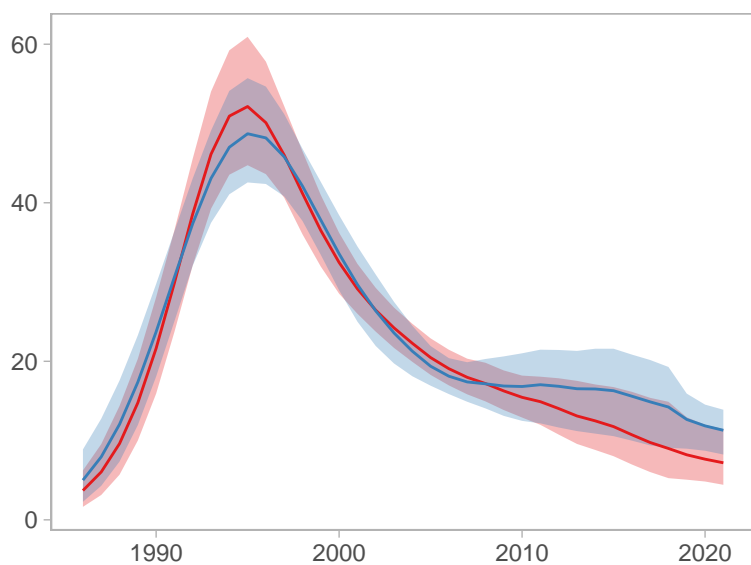
HIV prevalence



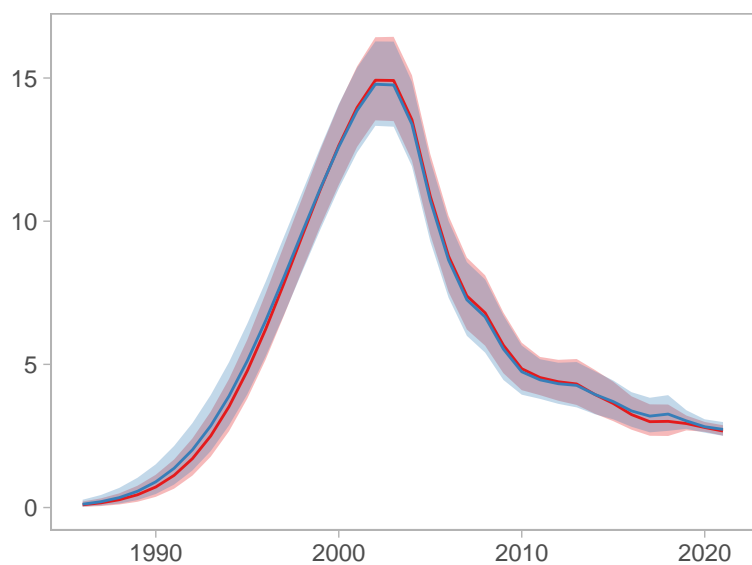
Pregnant women HIV prevalence



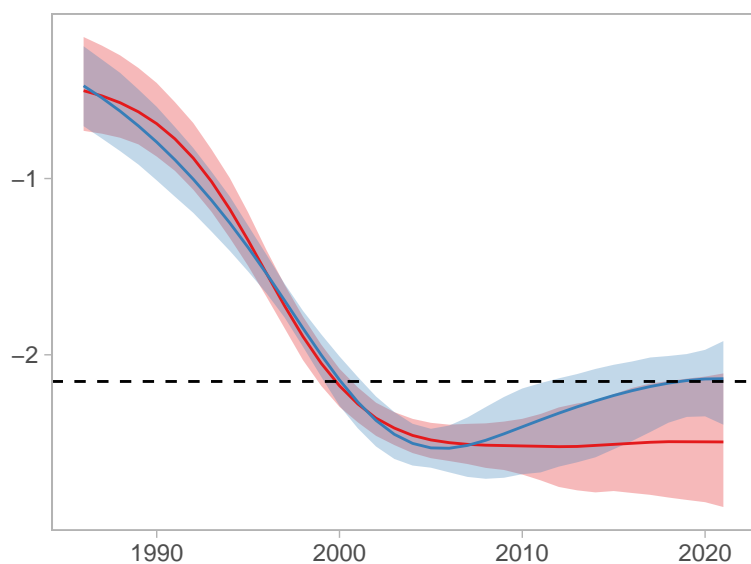
HIV incidence per 1000



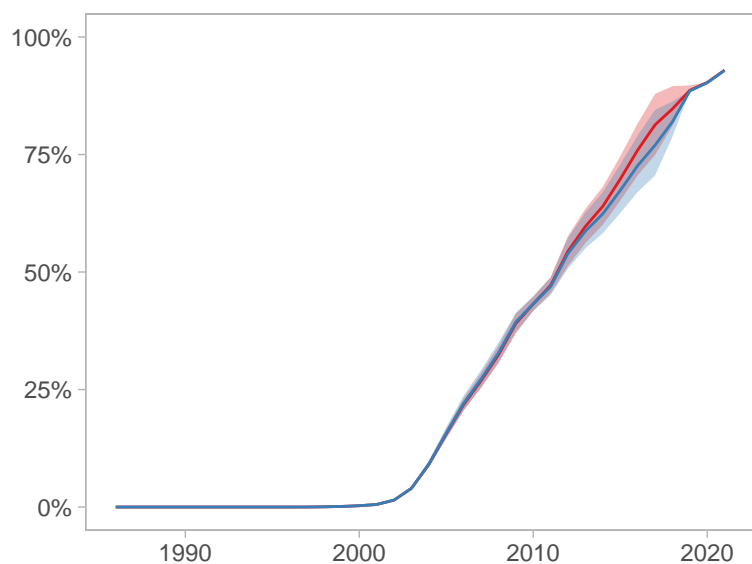
AIDS deaths per 1000 (age 15+)



log r(t)



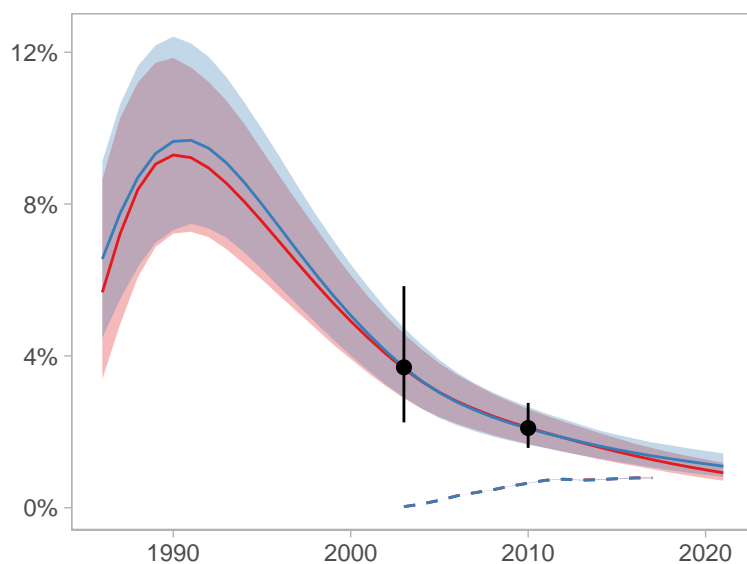
Adult (15+) ART coverage



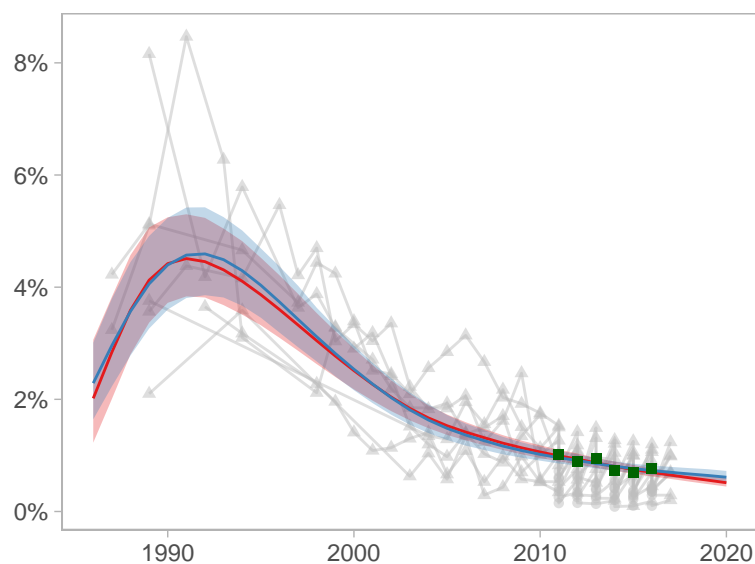
Model: — r-hybrid — r-spline

Burkina Faso – Urbain

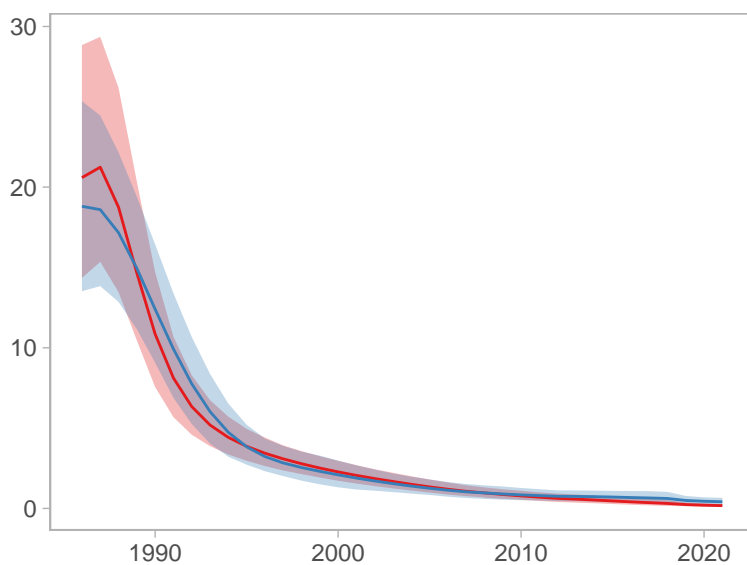
HIV prevalence



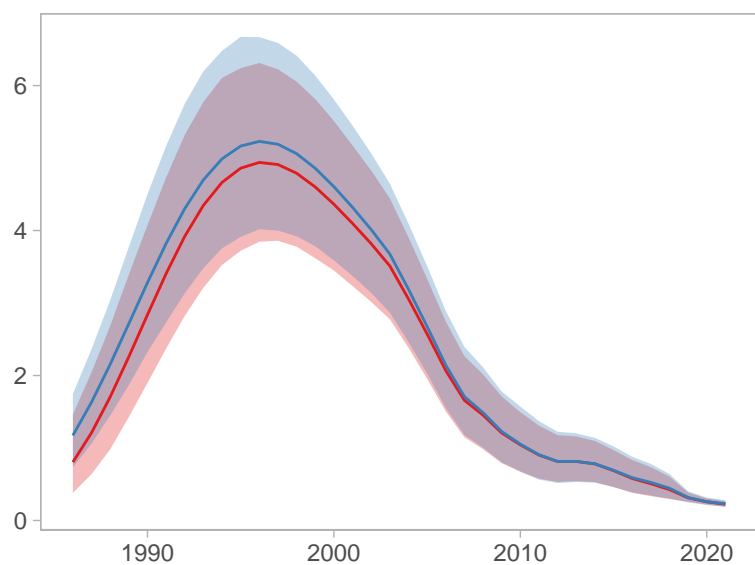
Pregnant women HIV prevalence



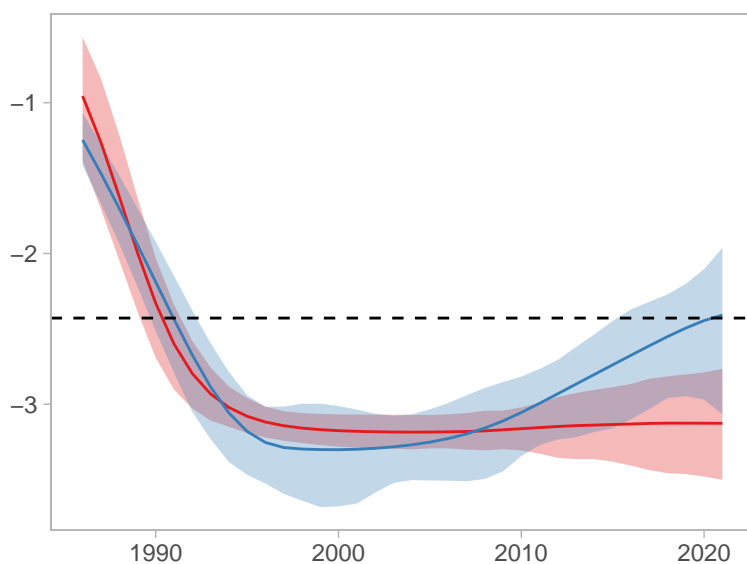
HIV incidence per 1000



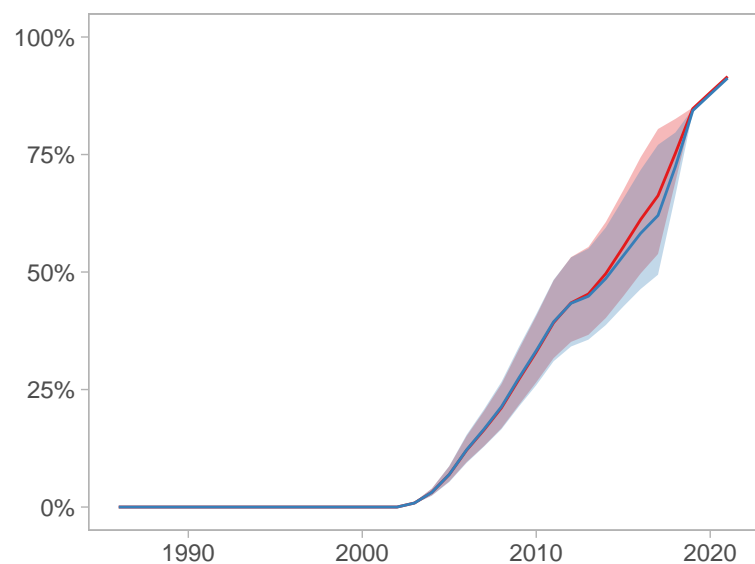
AIDS deaths per 1000 (age 15+)



log r(t)



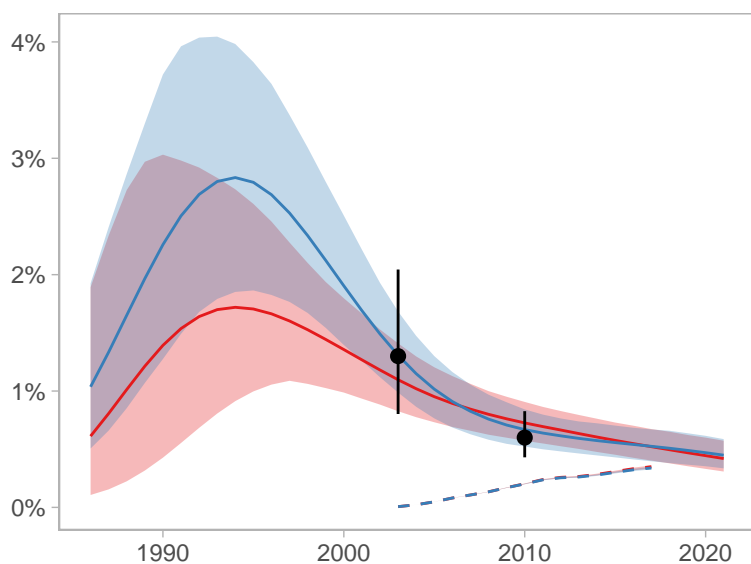
Adult (15+) ART coverage



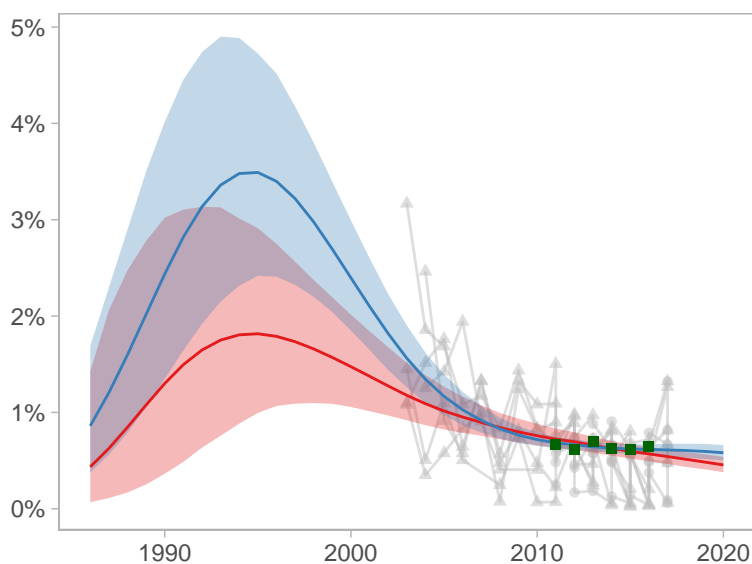
Model: — r-hybrid — r-spline

Burkina Faso – Rural

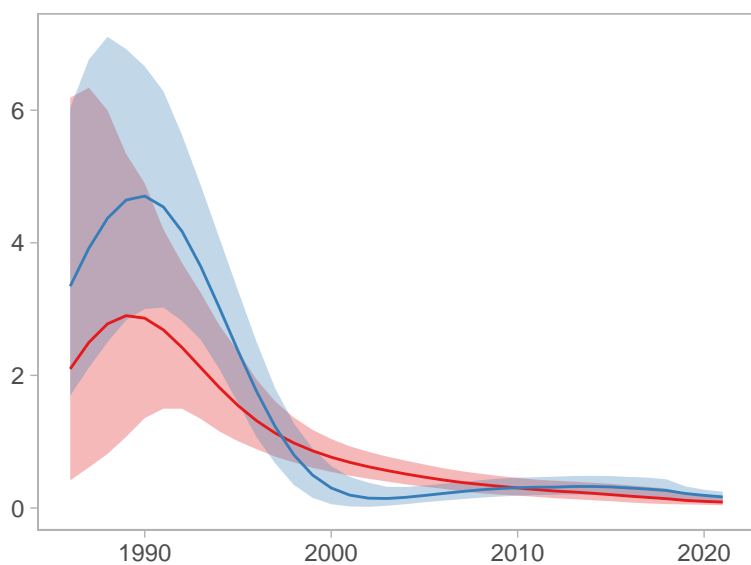
HIV prevalence



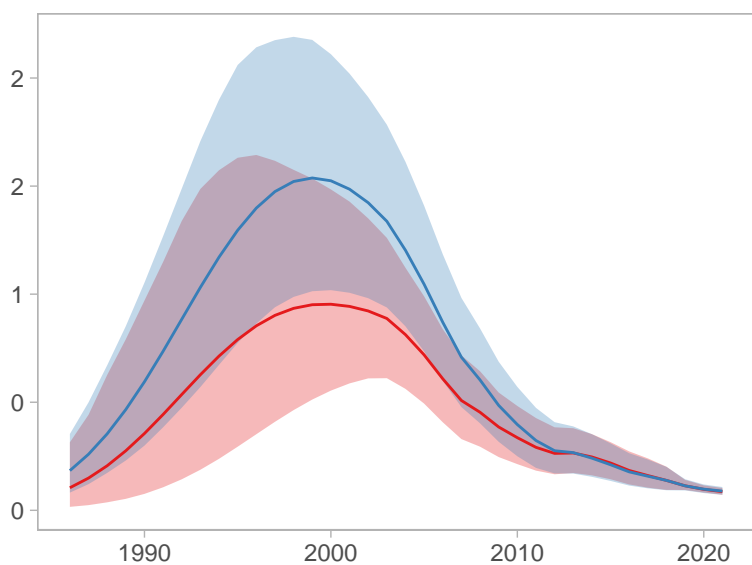
Pregnant women HIV prevalence



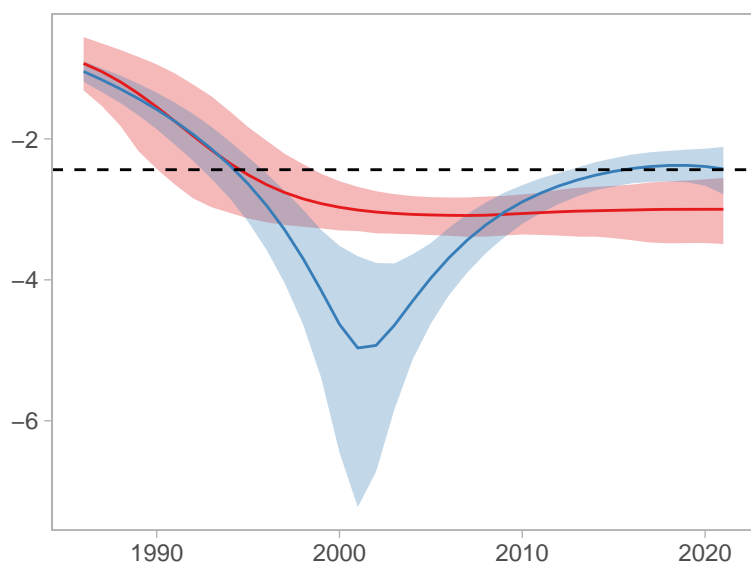
HIV incidence per 1000



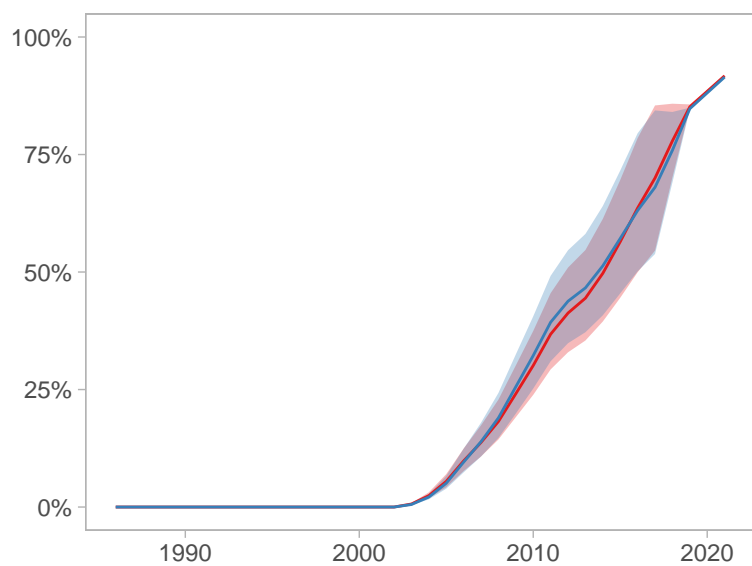
AIDS deaths per 1000 (age 15+)



log r(t)



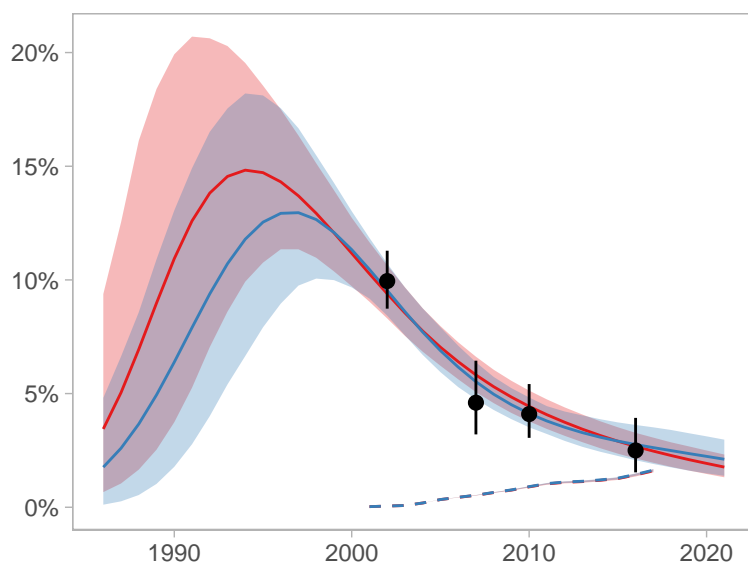
Adult (15+) ART coverage



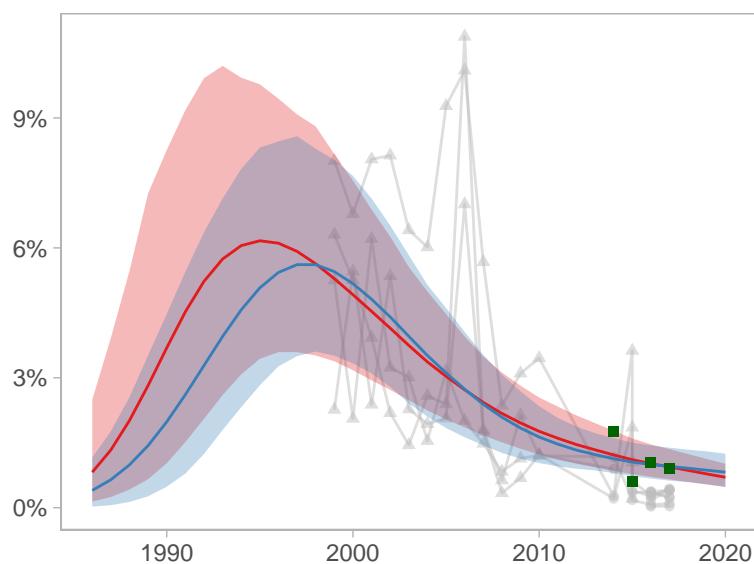
Model: — r-hybrid — r-spline

Burundi – Urban

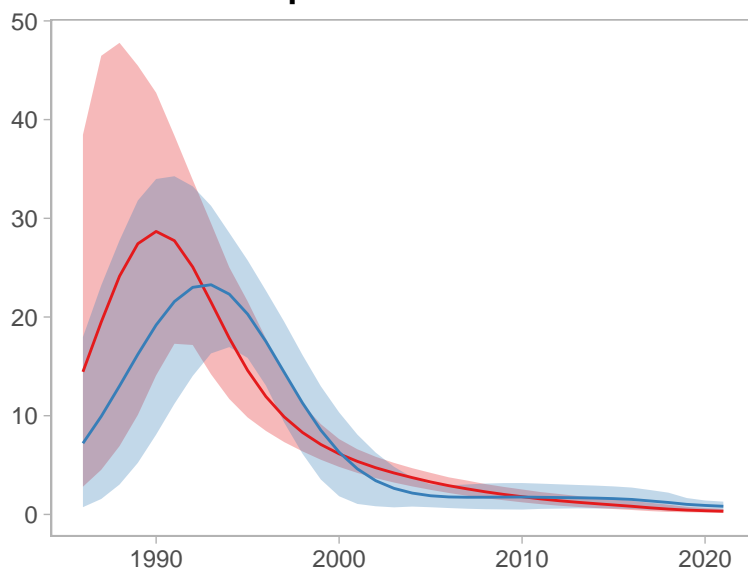
HIV prevalence



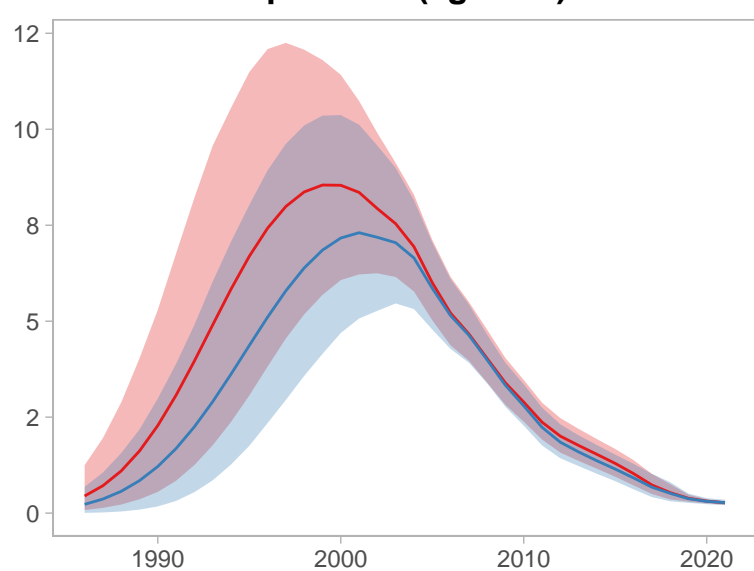
Pregnant women HIV prevalence



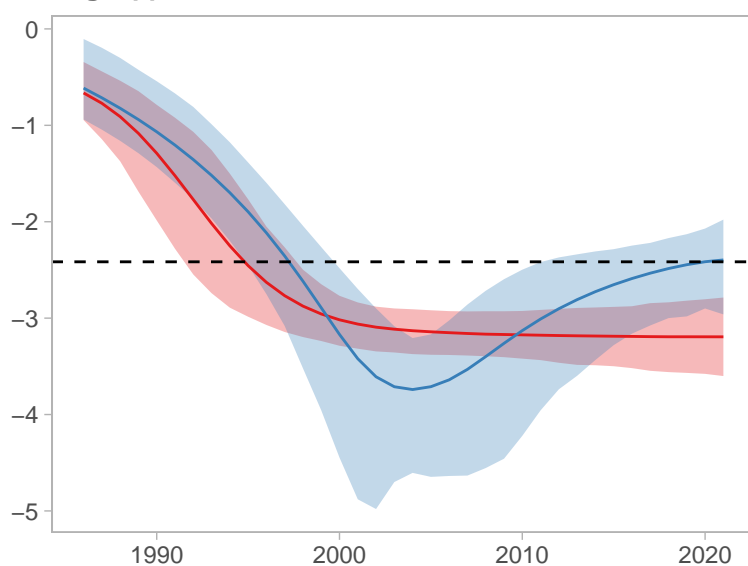
HIV incidence per 1000



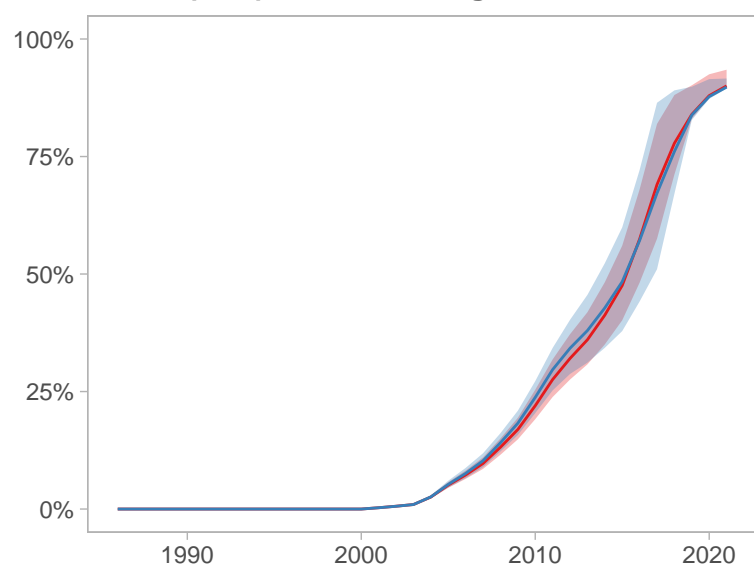
AIDS deaths per 1000 (age 15+)



log r(t)



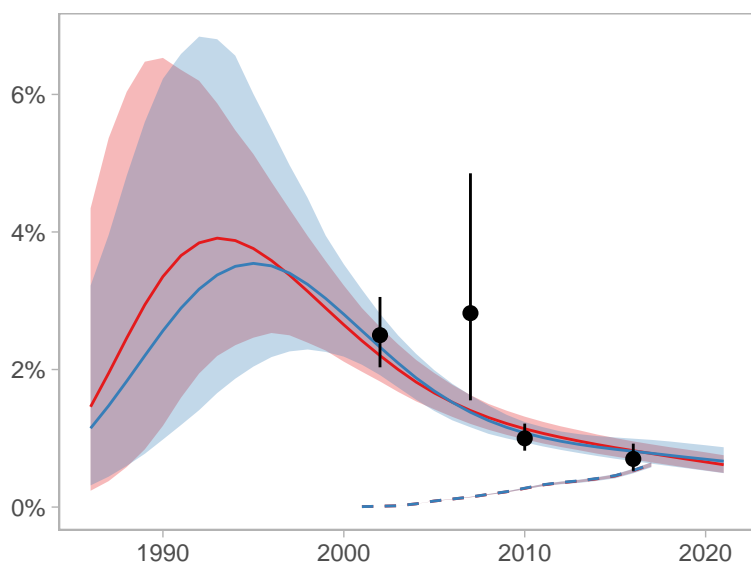
Adult (15+) ART coverage



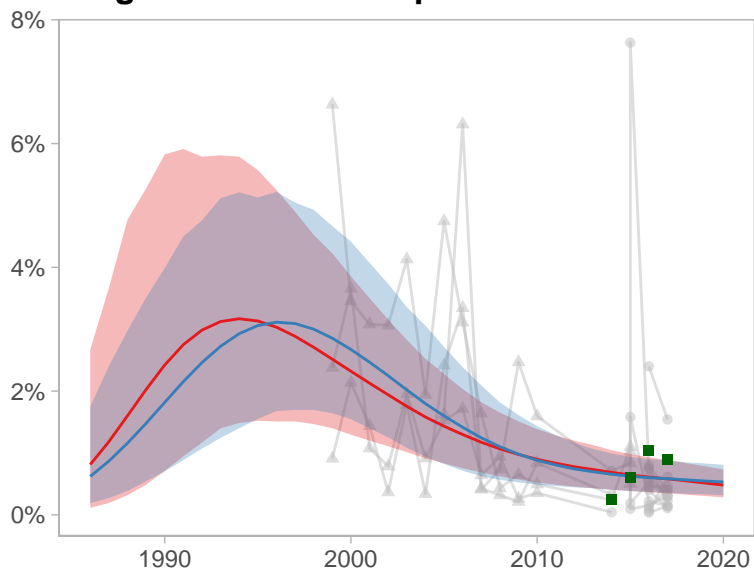
Model: r-hybrid r-spline

Burundi – Rural

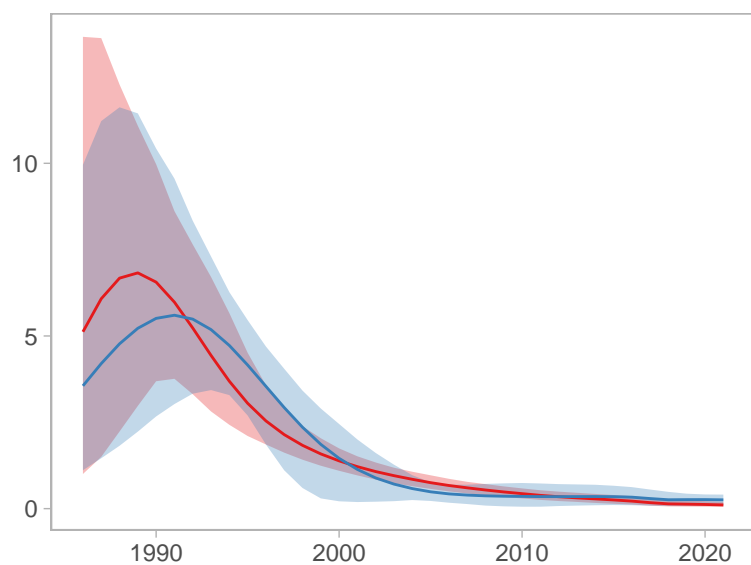
HIV prevalence



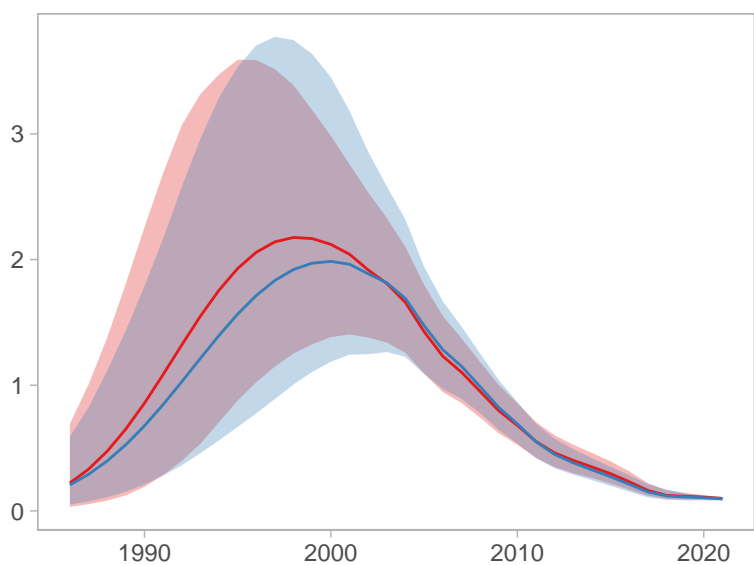
Pregnant women HIV prevalence



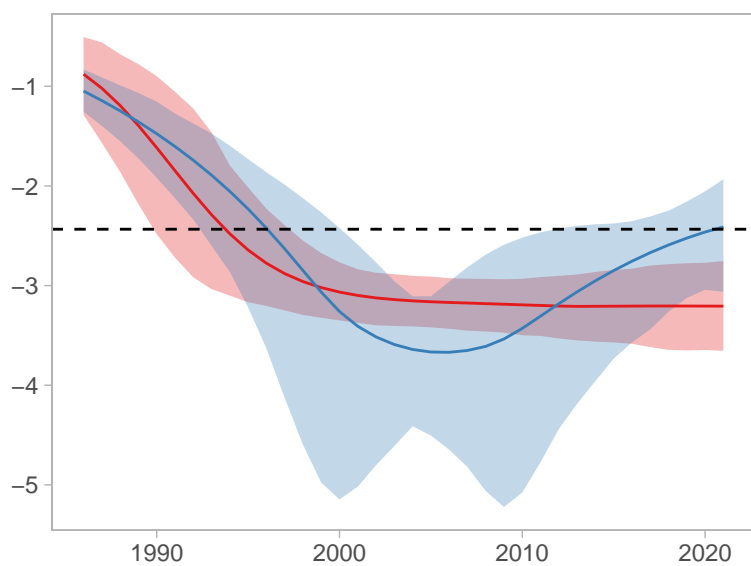
HIV incidence per 1000



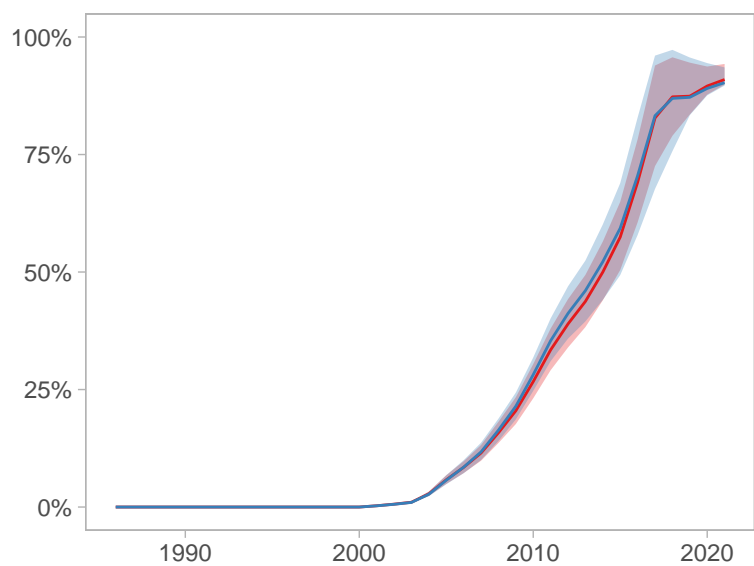
AIDS deaths per 1000 (age 15+)



log r(t)



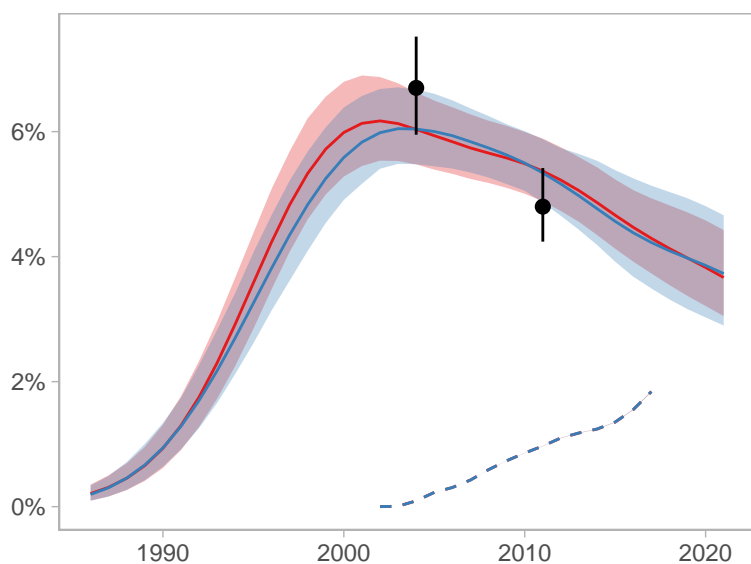
Adult (15+) ART coverage



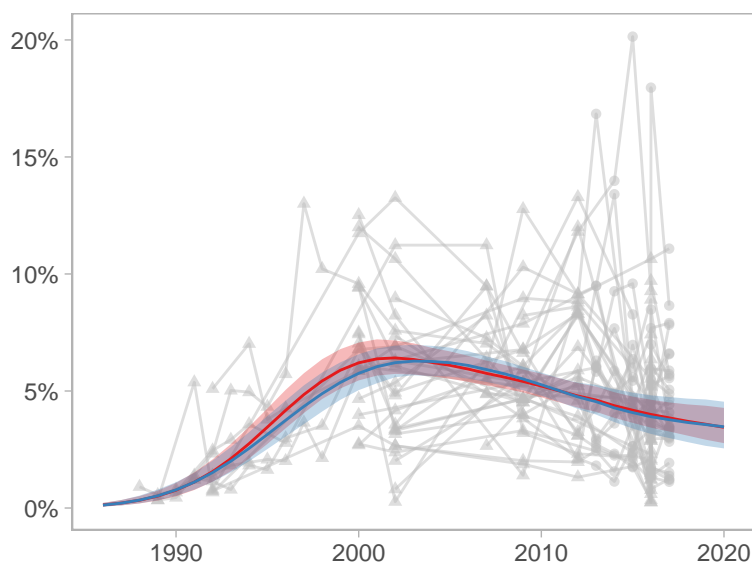
Model: — r-hybrid — r-spline

Cameroon – Urbain

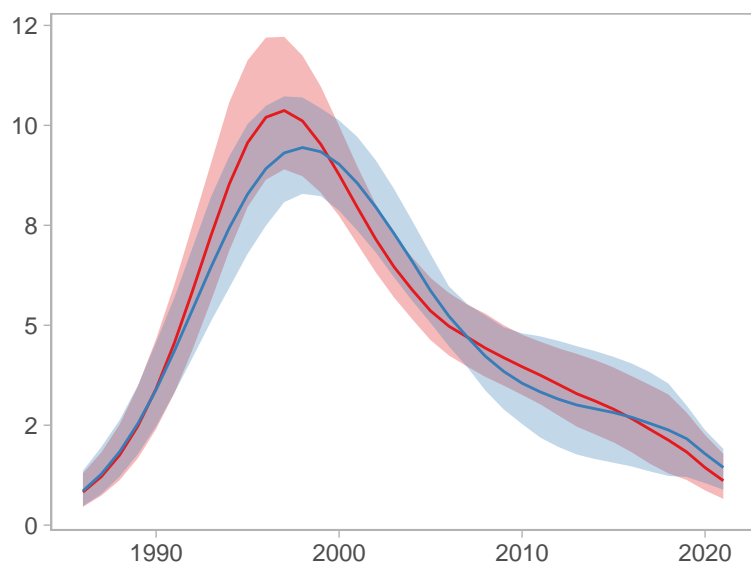
HIV prevalence



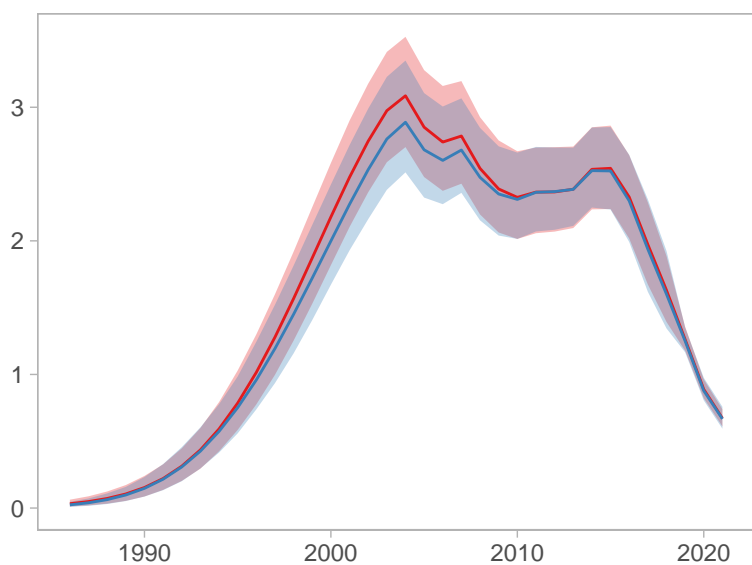
Pregnant women HIV prevalence



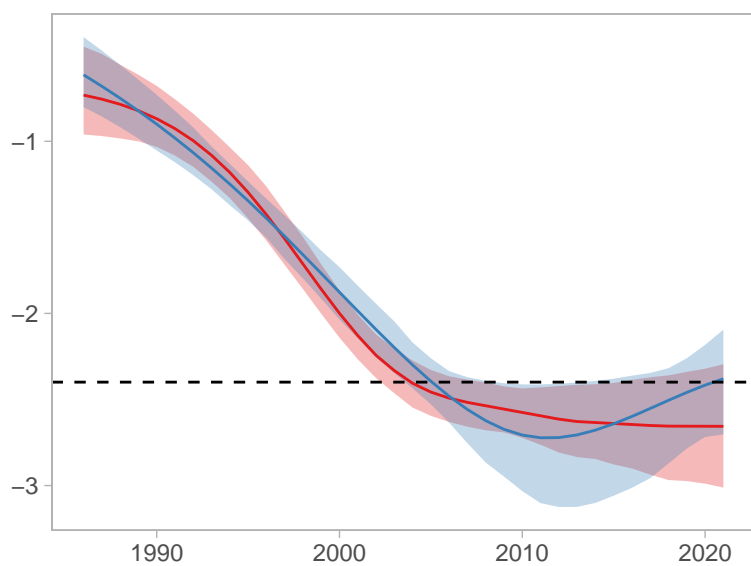
HIV incidence per 1000



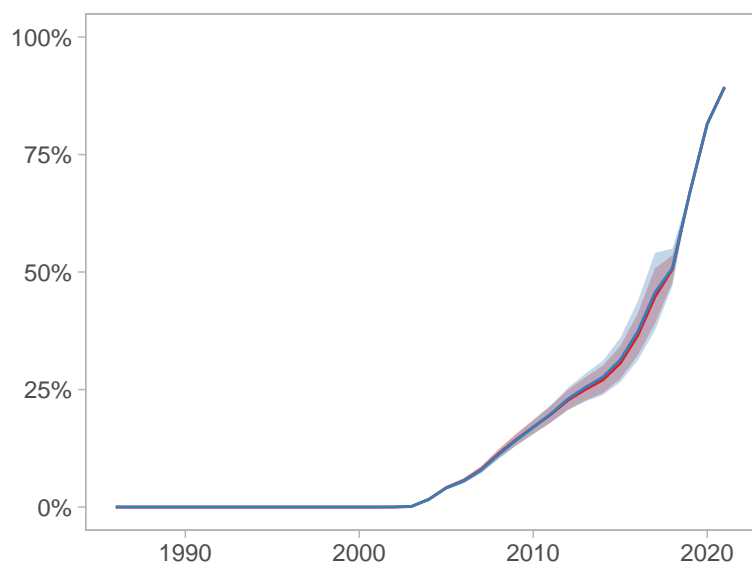
AIDS deaths per 1000 (age 15+)



log r(t)



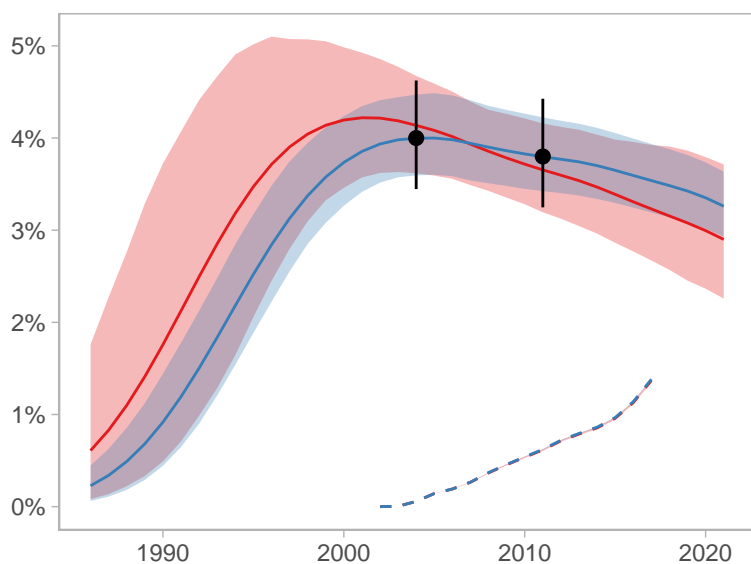
Adult (15+) ART coverage



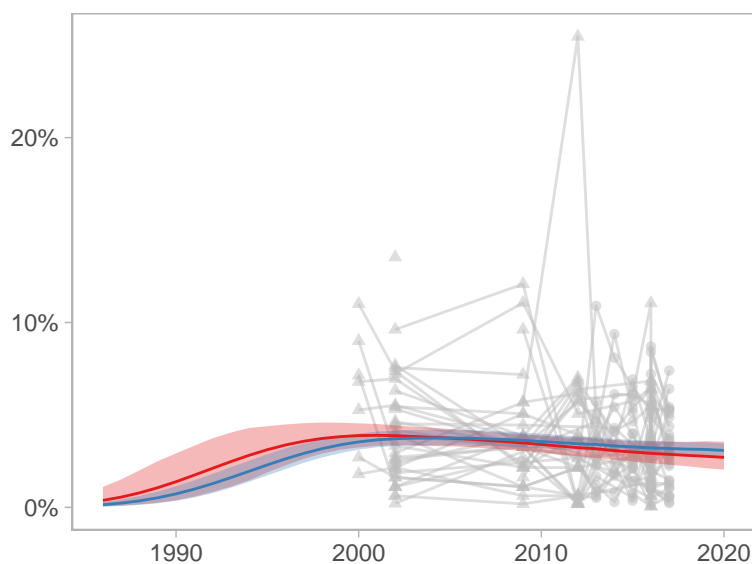
Model: — r-hybrid — r-spline

Cameroon – Rural

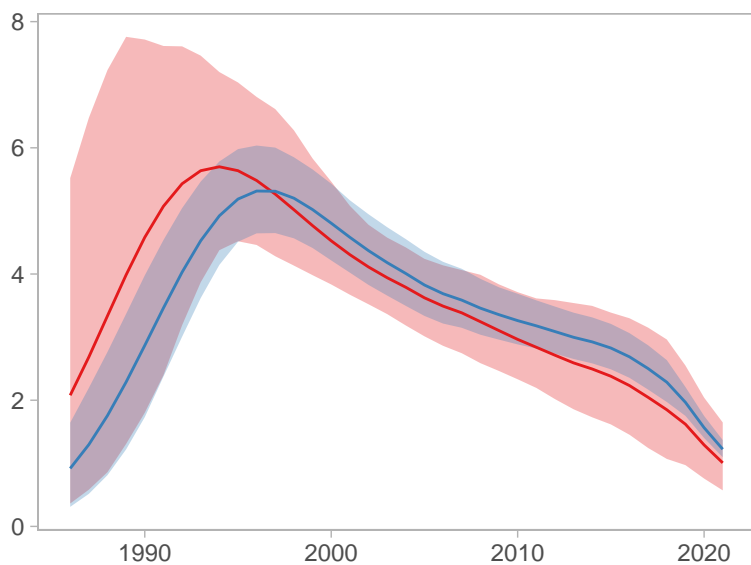
HIV prevalence



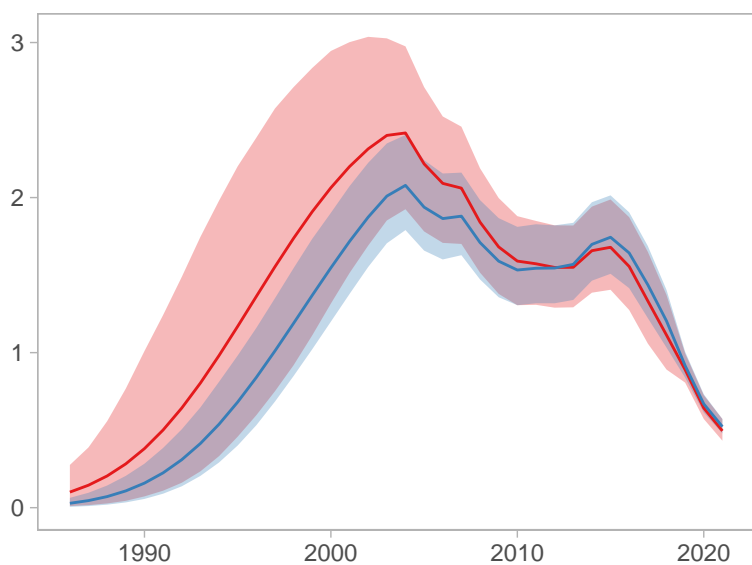
Pregnant women HIV prevalence



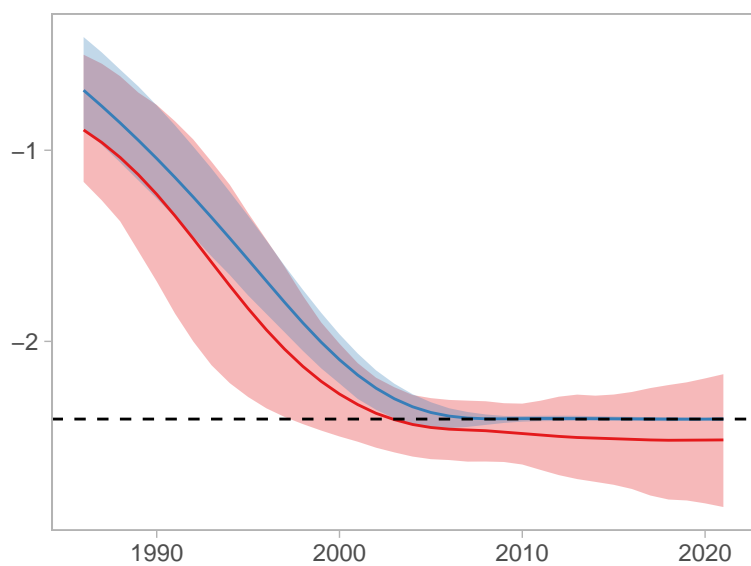
HIV incidence per 1000



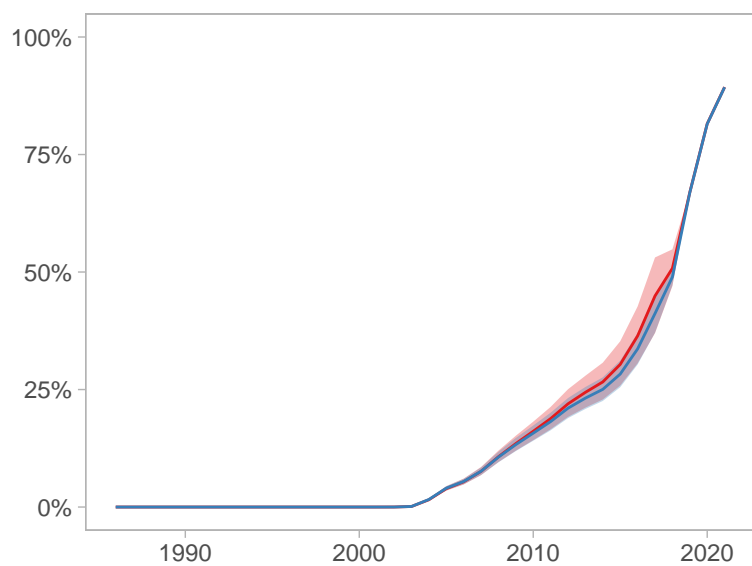
AIDS deaths per 1000 (age 15+)



log r(t)



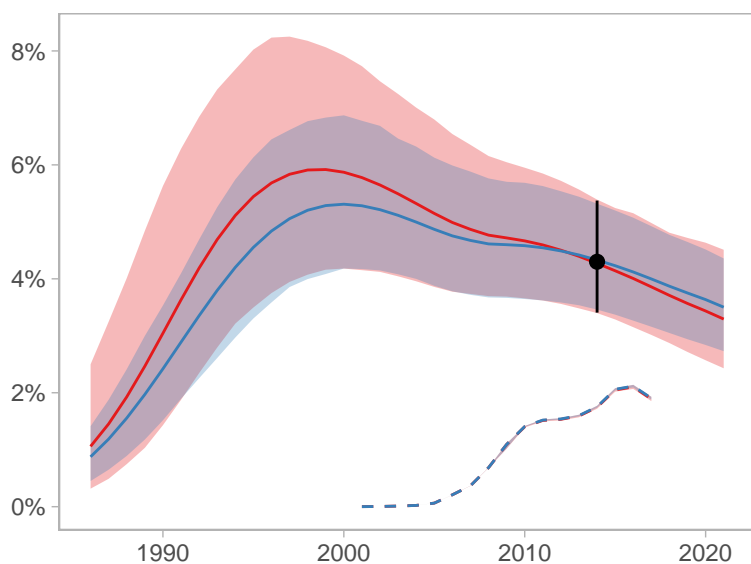
Adult (15+) ART coverage



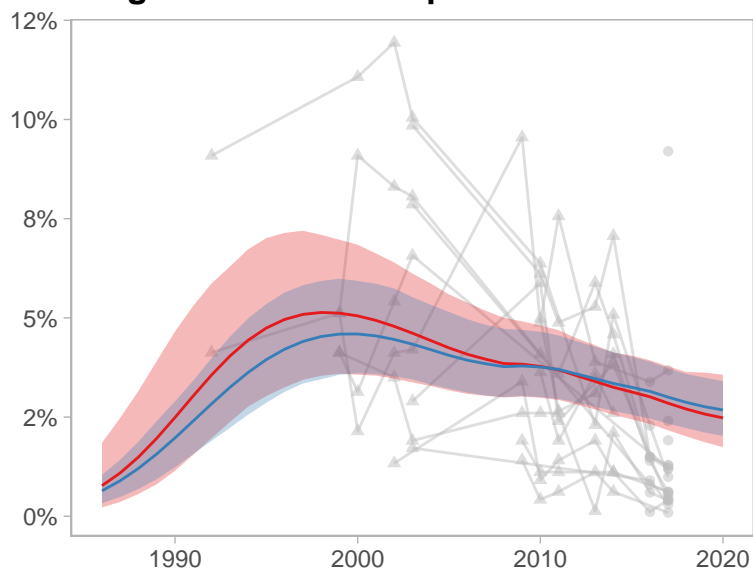
Model: — r-hybrid — r-spline

Chad – Urbain

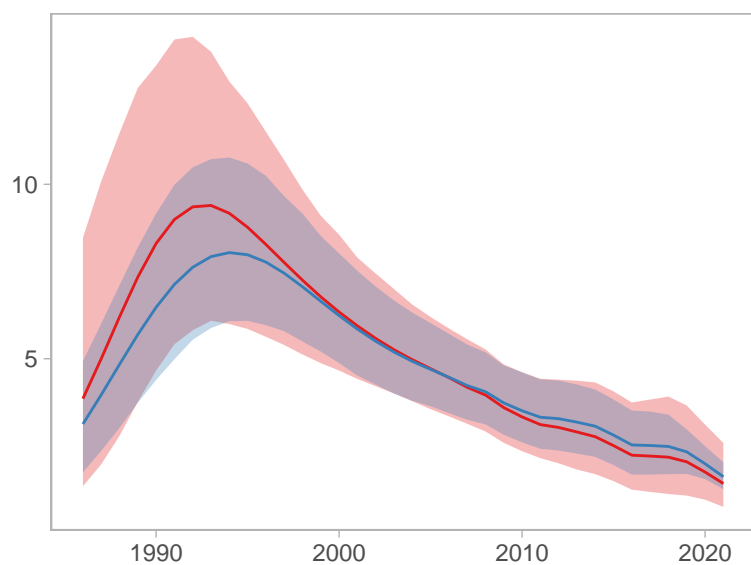
HIV prevalence



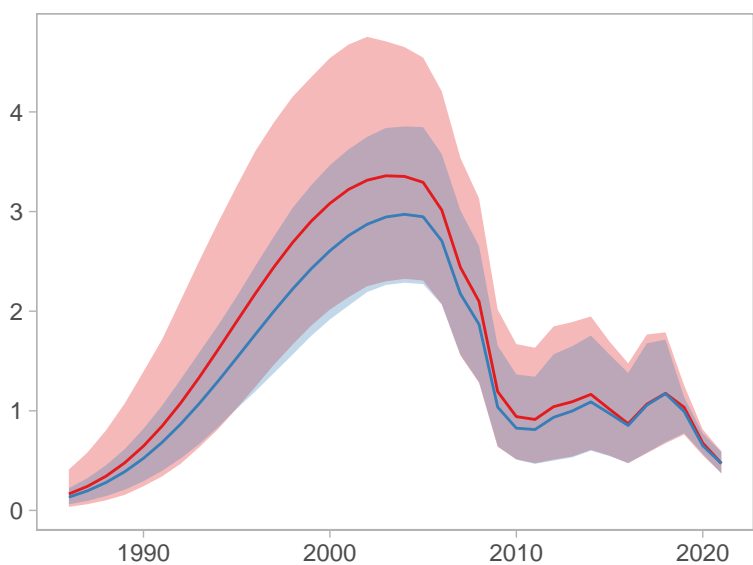
Pregnant women HIV prevalence



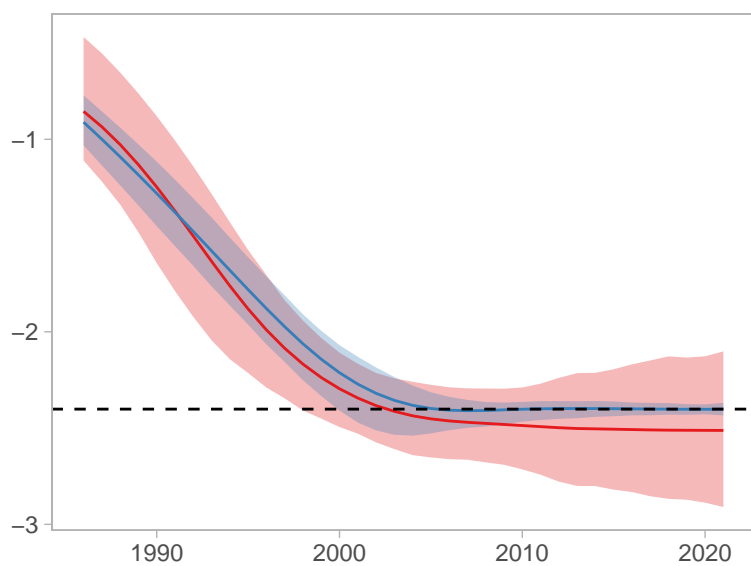
HIV incidence per 1000



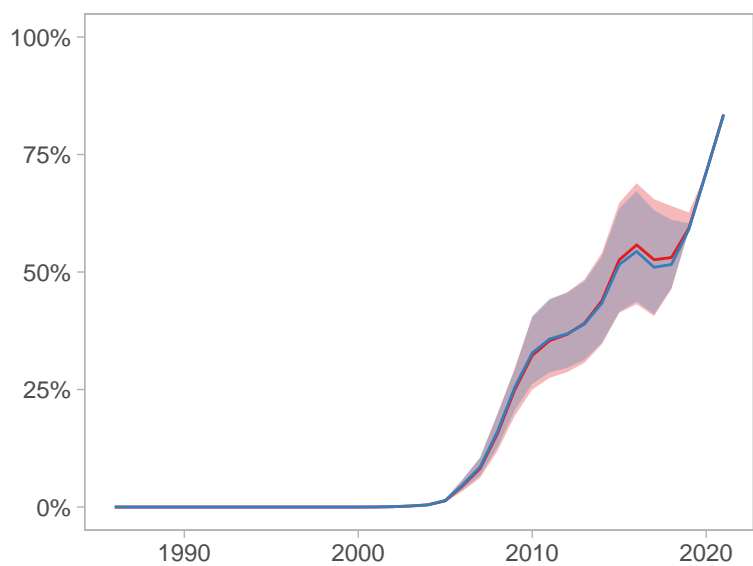
AIDS deaths per 1000 (age 15+)



log r(t)

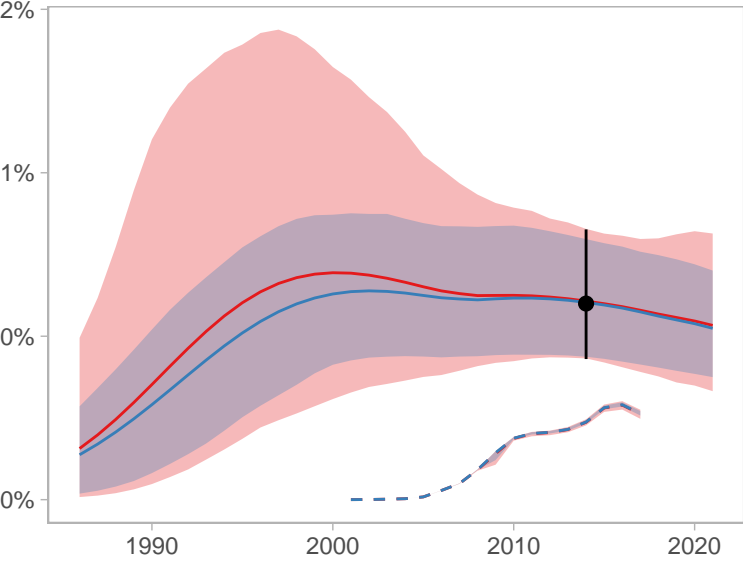


Adult (15+) ART coverage

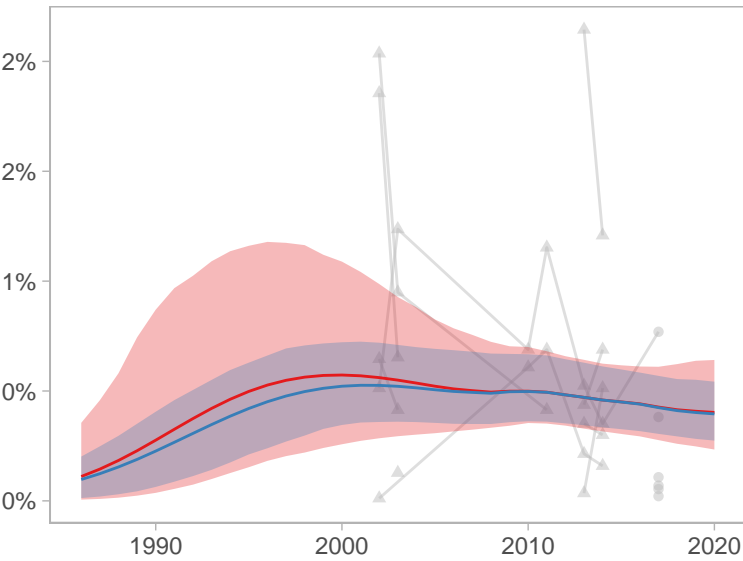


Model: — r-hybrid — r-spline

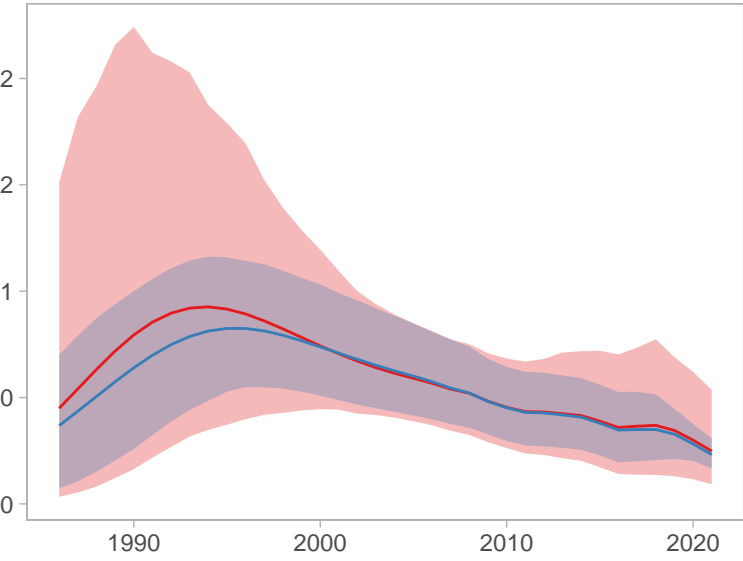
Chad – Rural
HIV prevalence



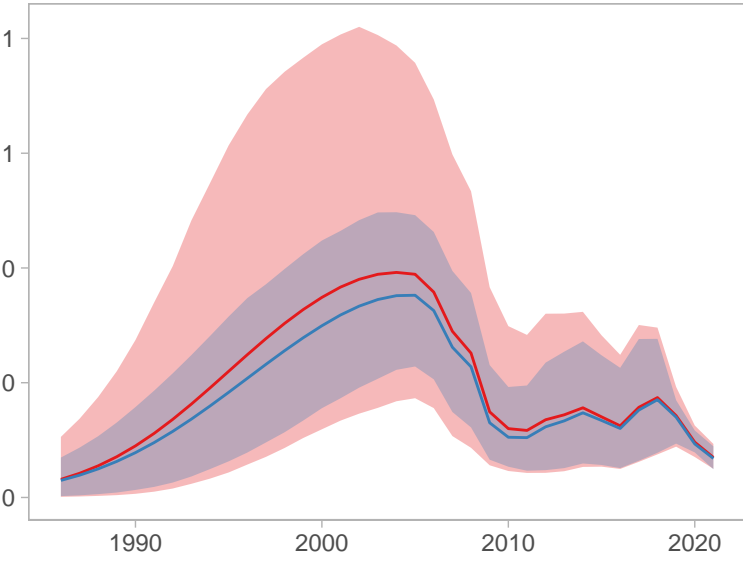
Pregnant women HIV prevalence



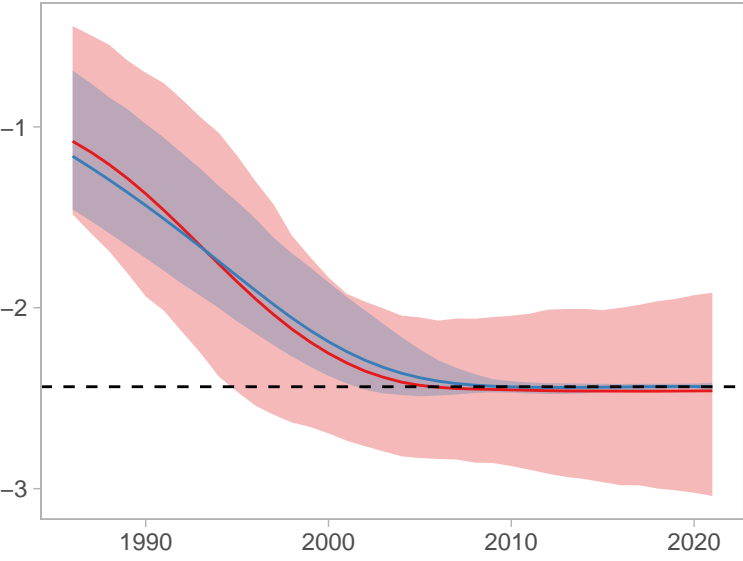
HIV incidence per 1000



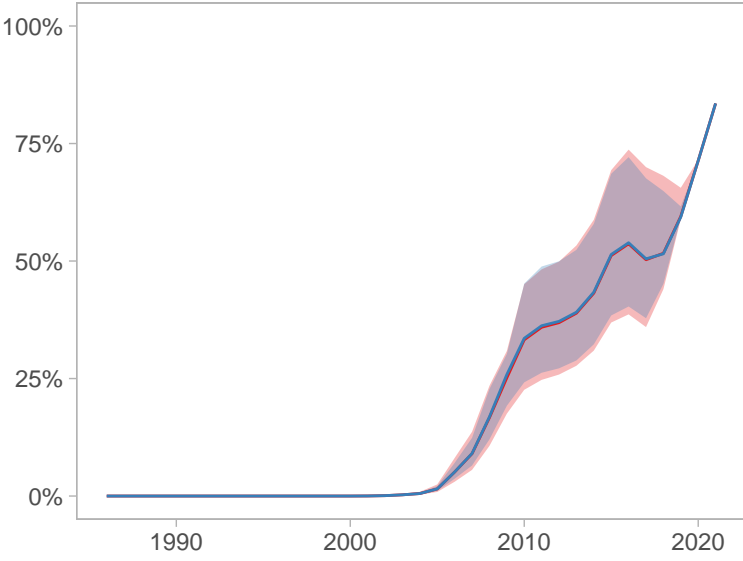
AIDS deaths per 1000 (age 15+)



log r(t)



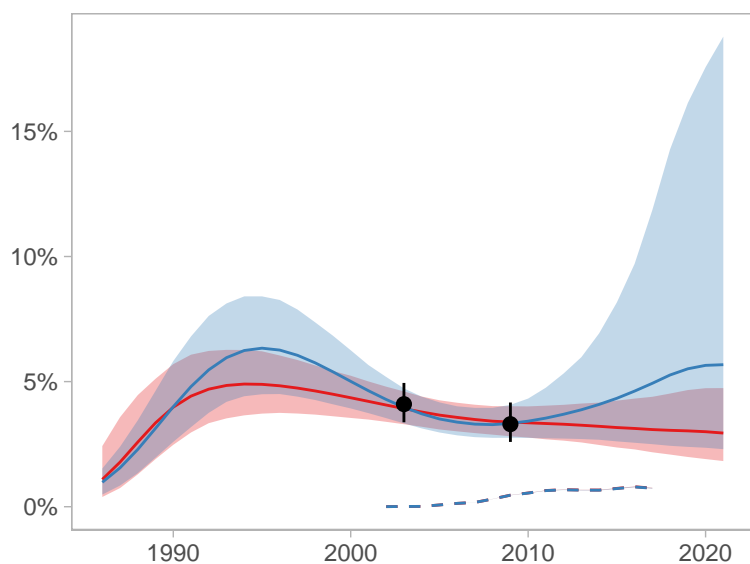
Adult (15+) ART coverage



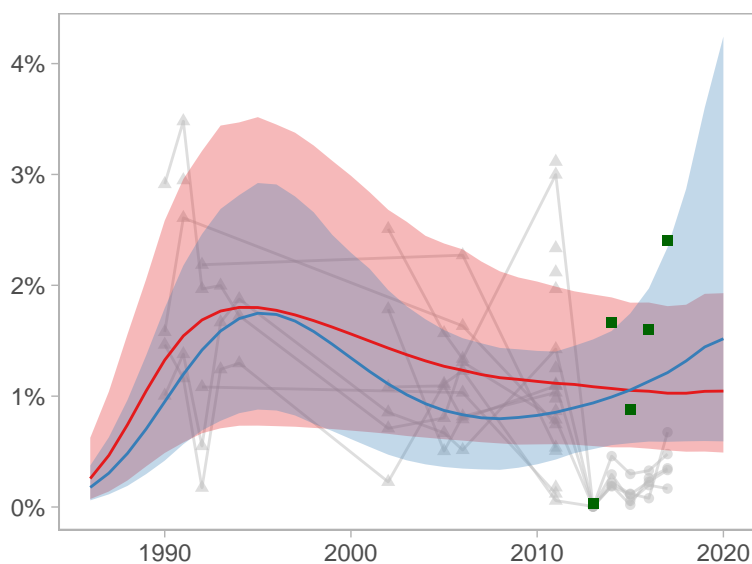
Model: — r-hybrid — r-spline

Congo – Urbain

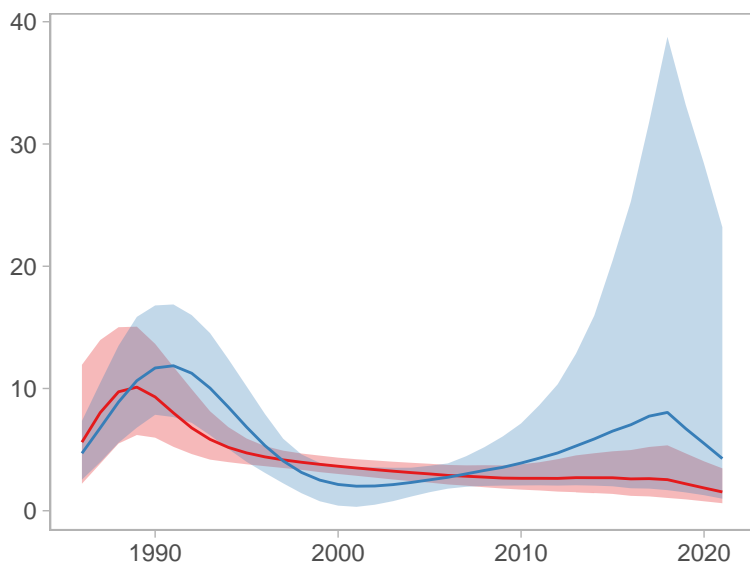
HIV prevalence



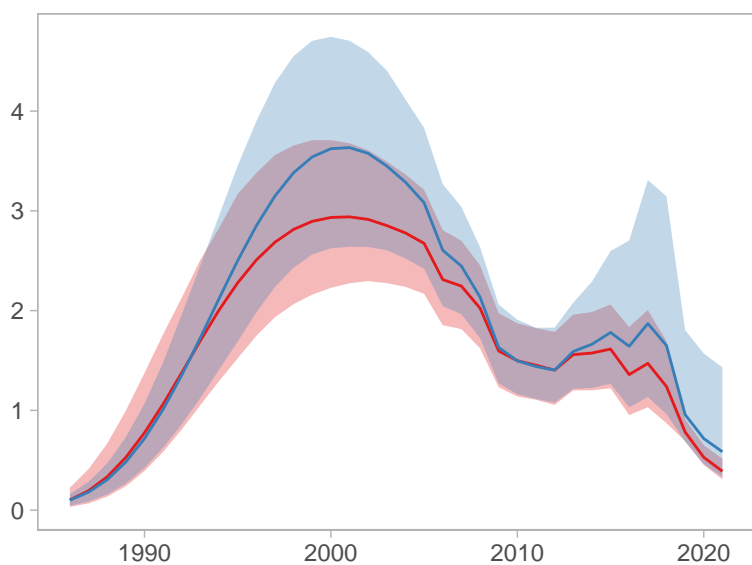
Pregnant women HIV prevalence



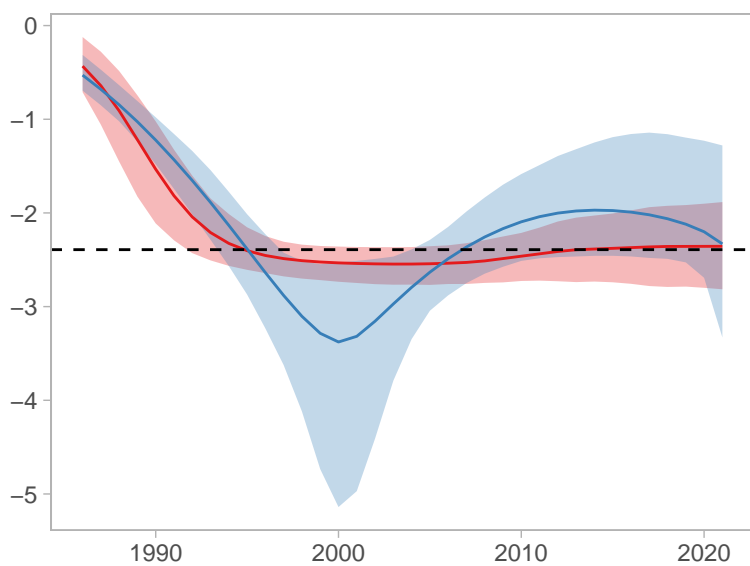
HIV incidence per 1000



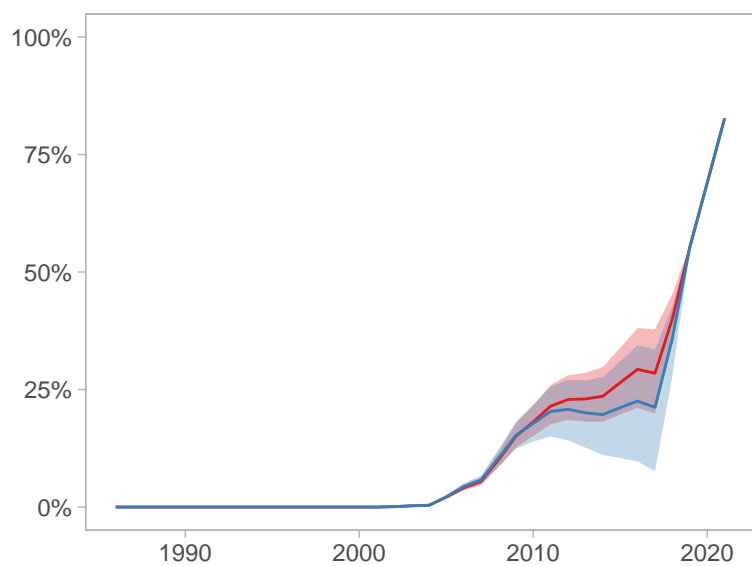
AIDS deaths per 1000 (age 15+)



log r(t)



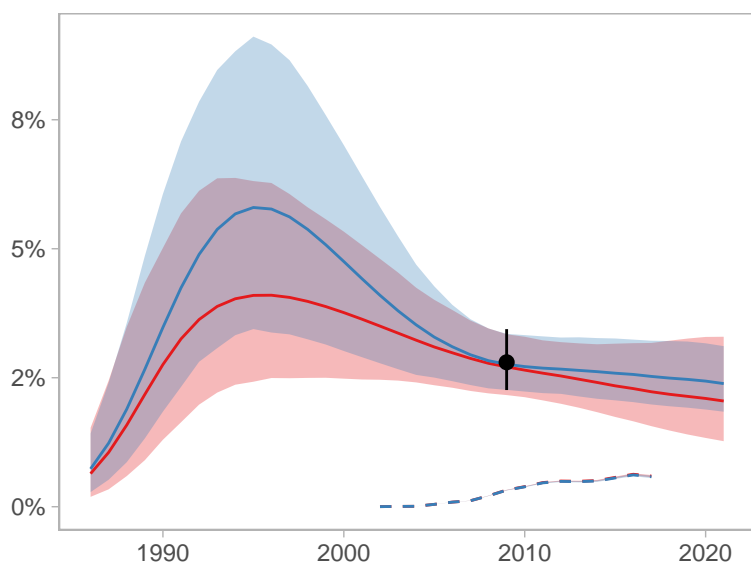
Adult (15+) ART coverage



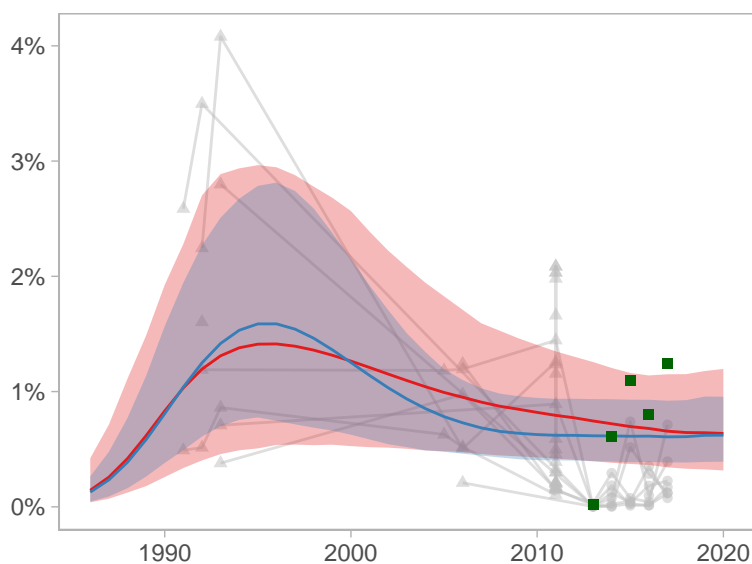
Model: — r-hybrid — r-spline

Congo – Rural

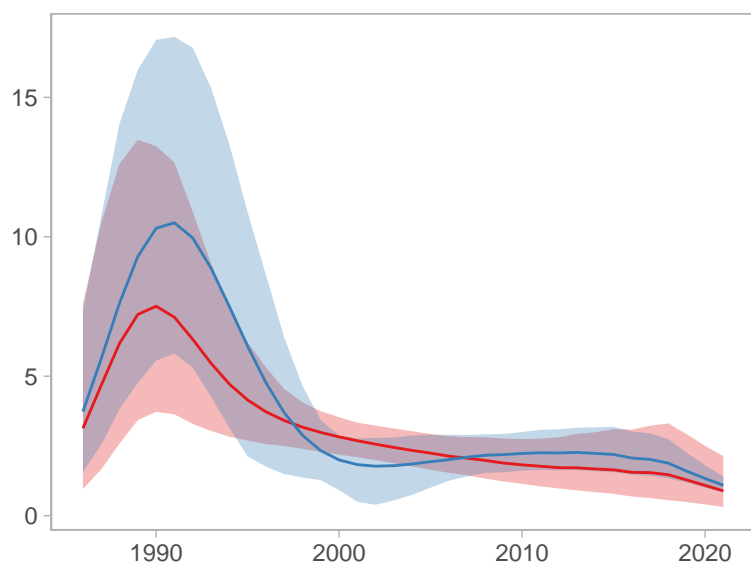
HIV prevalence



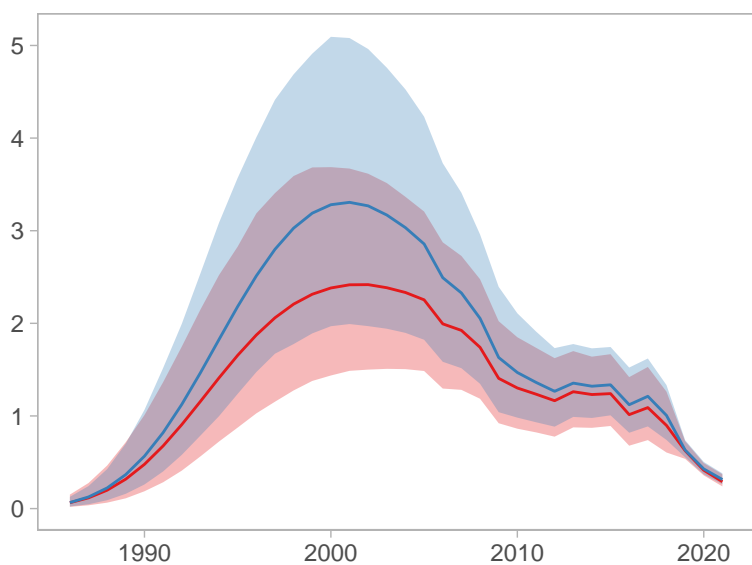
Pregnant women HIV prevalence



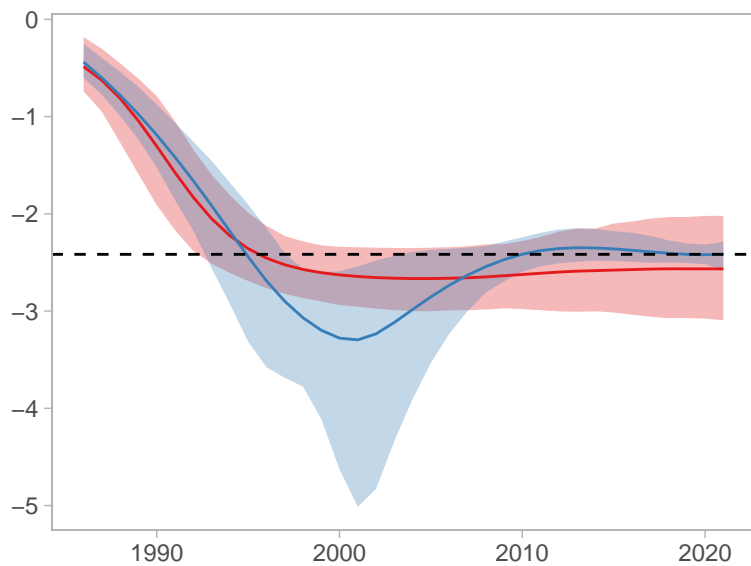
HIV incidence per 1000



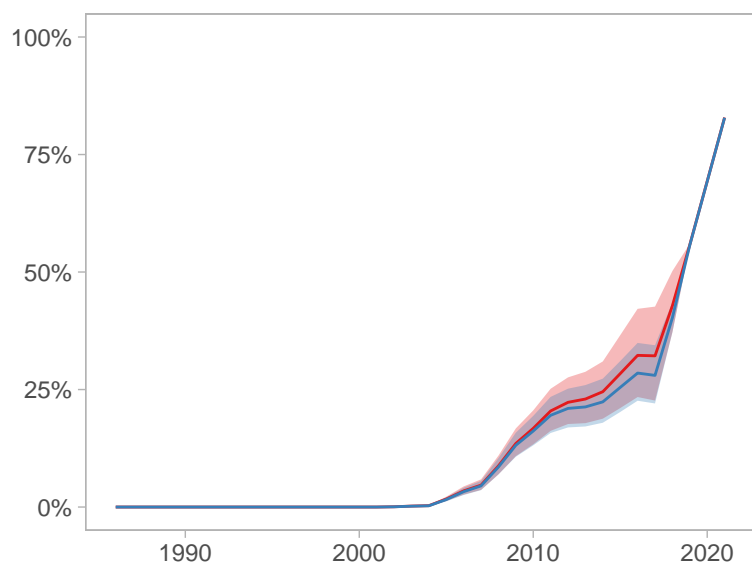
AIDS deaths per 1000 (age 15+)



log r(t)



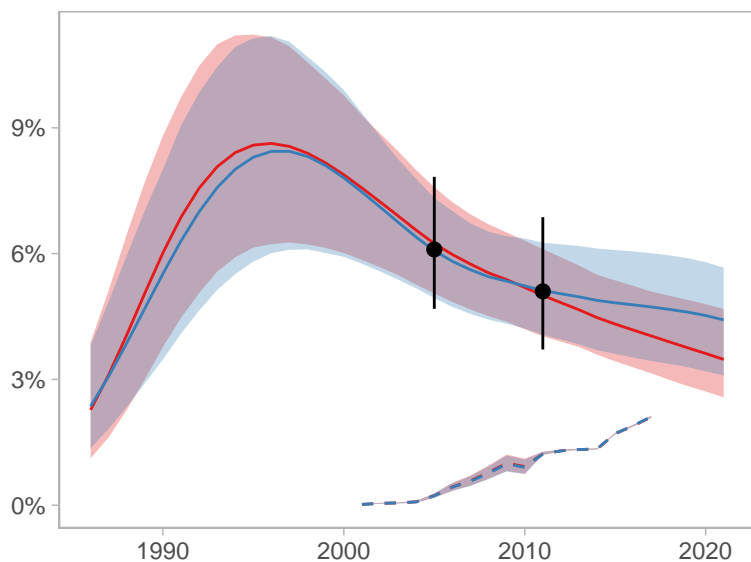
Adult (15+) ART coverage



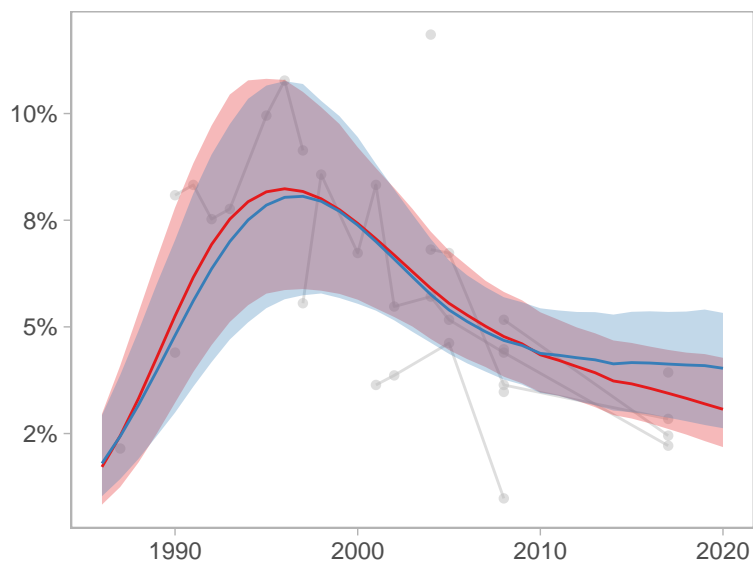
Model: — r-hybrid — r-spline

Côte d'Ivoire – Abidjan

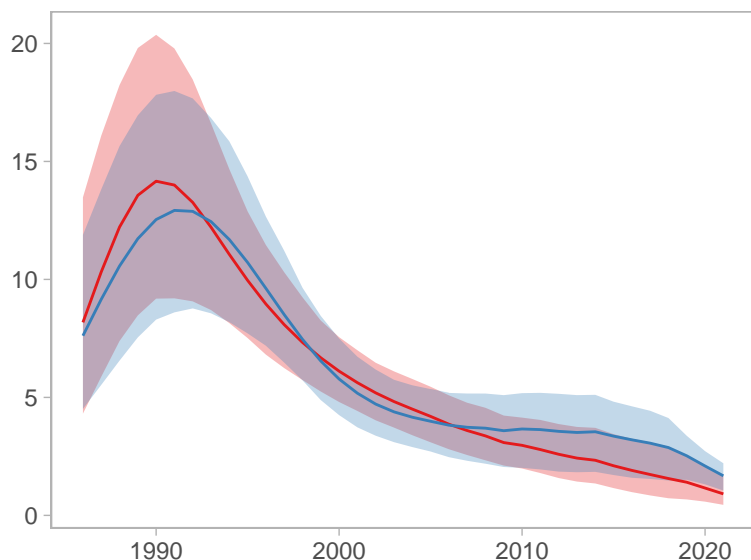
HIV prevalence



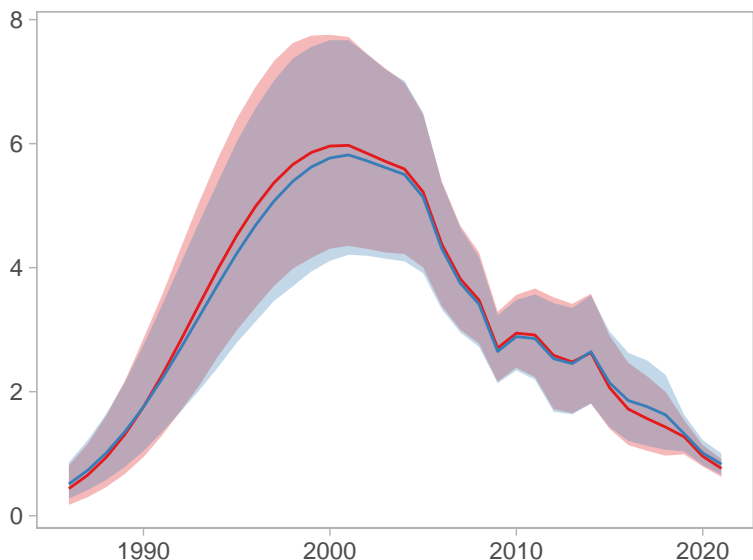
Pregnant women HIV prevalence



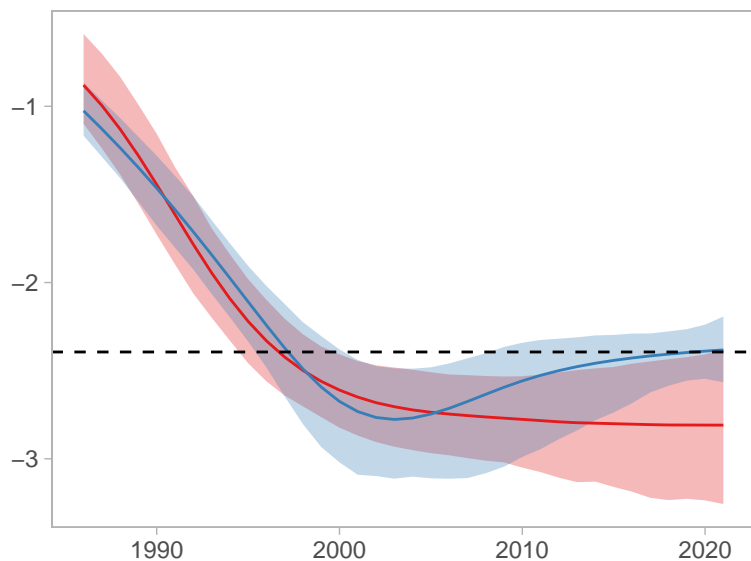
HIV incidence per 1000



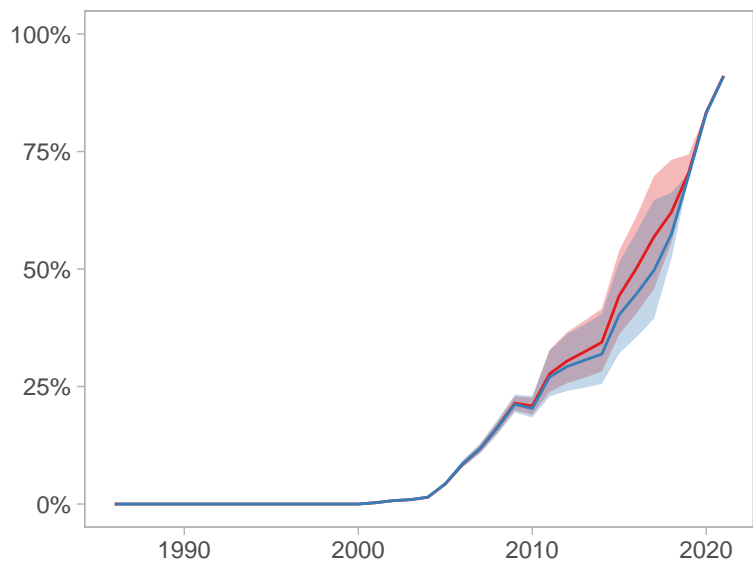
AIDS deaths per 1000 (age 15+)



log r(t)



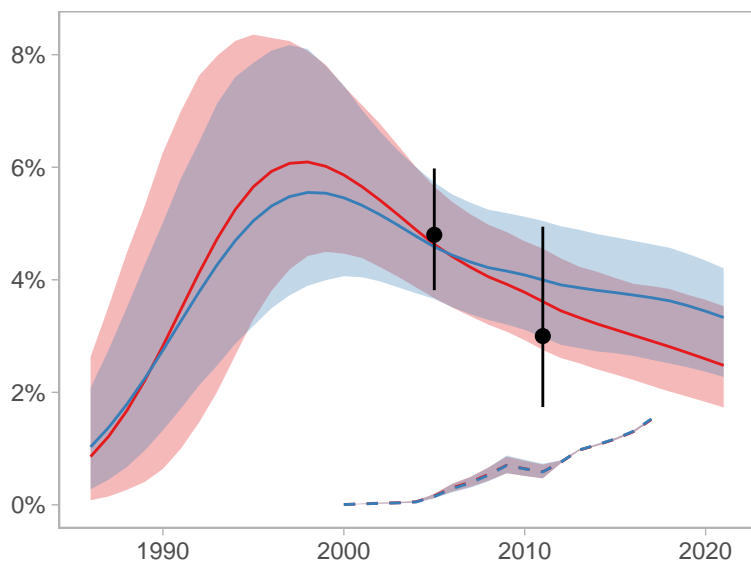
Adult (15+) ART coverage



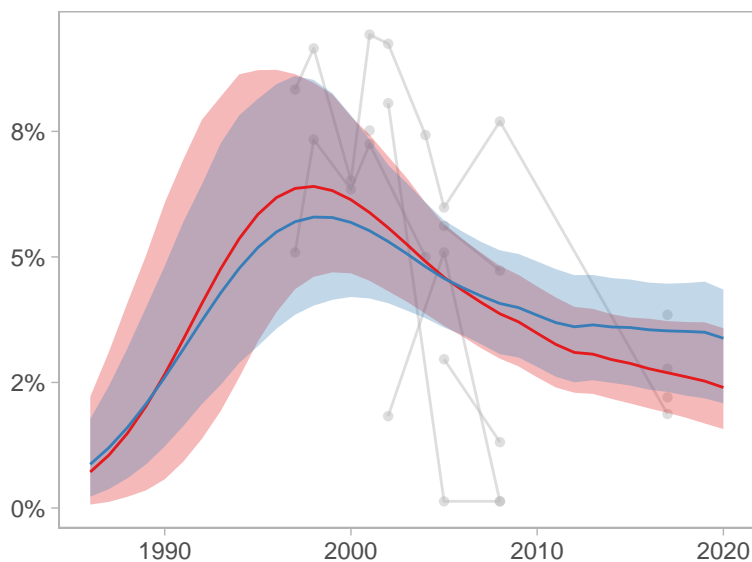
Model: — r-hybrid — r-spline

Côte d'Ivoire – Centre

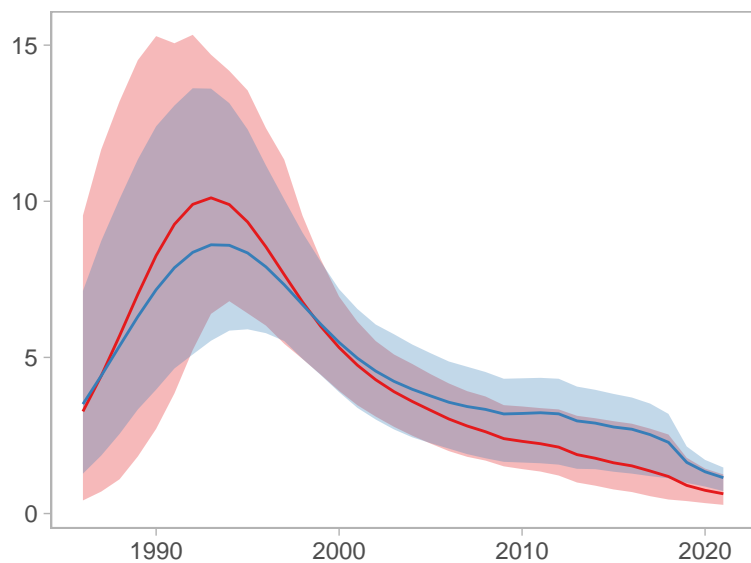
HIV prevalence



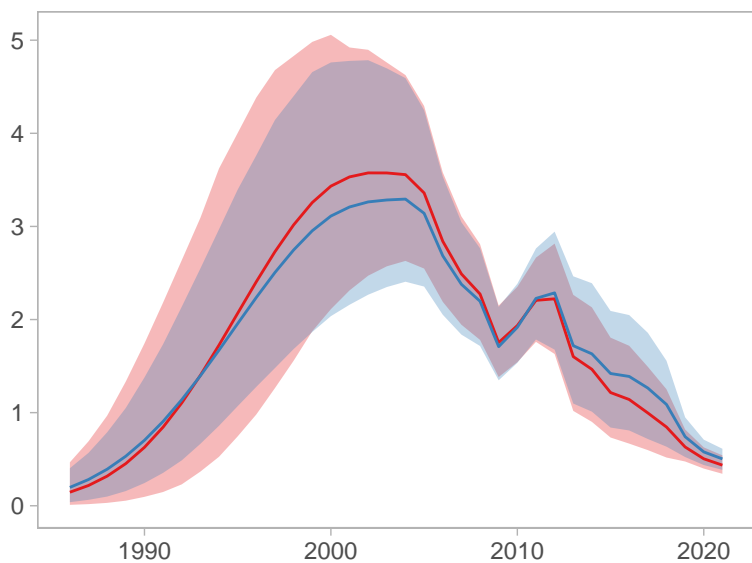
Pregnant women HIV prevalence



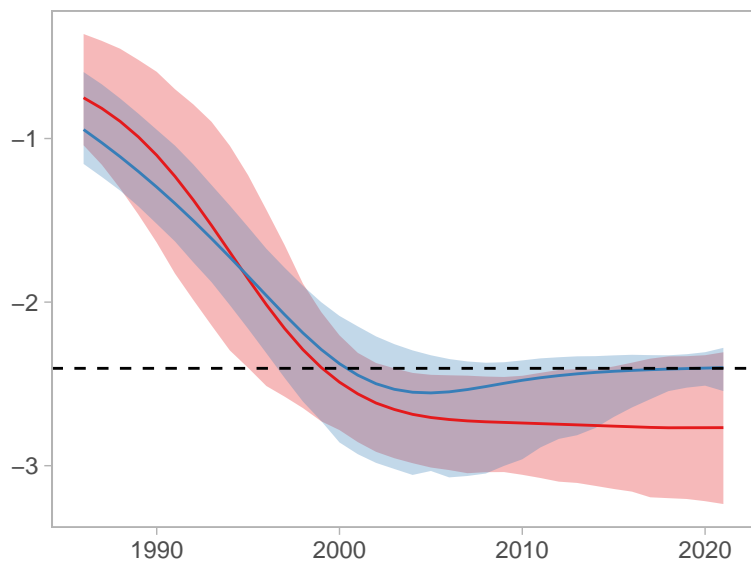
HIV incidence per 1000



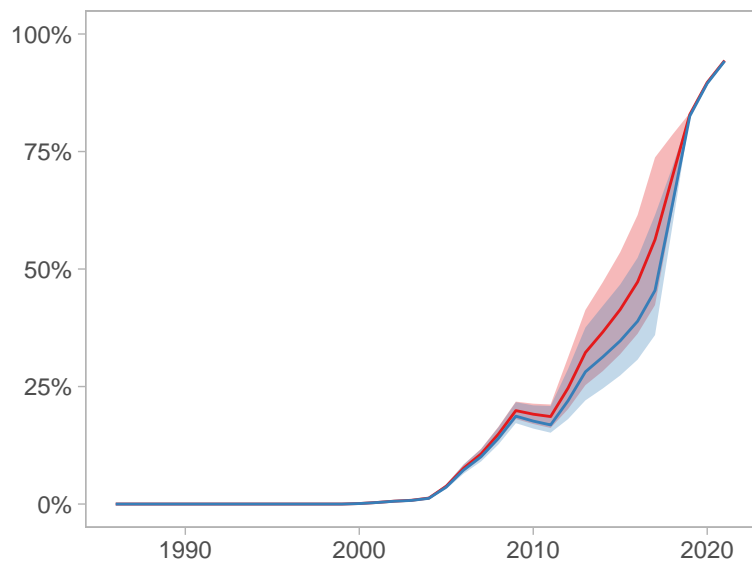
AIDS deaths per 1000 (age 15+)



log r(t)



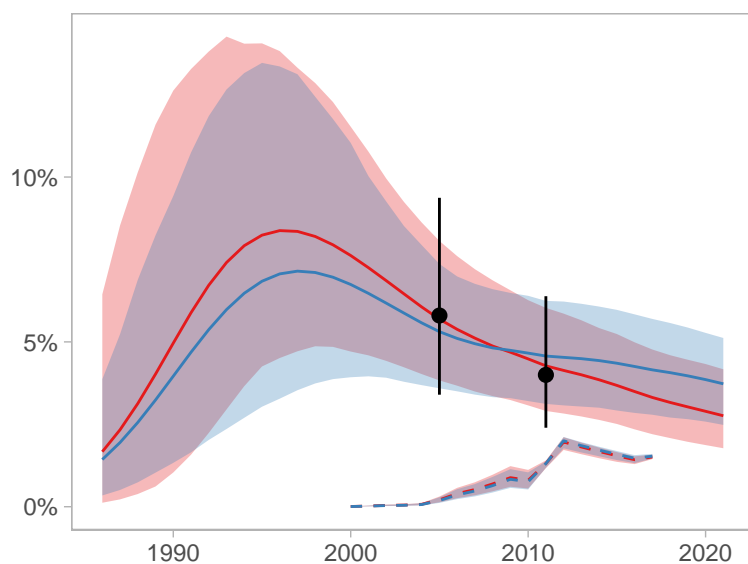
Adult (15+) ART coverage



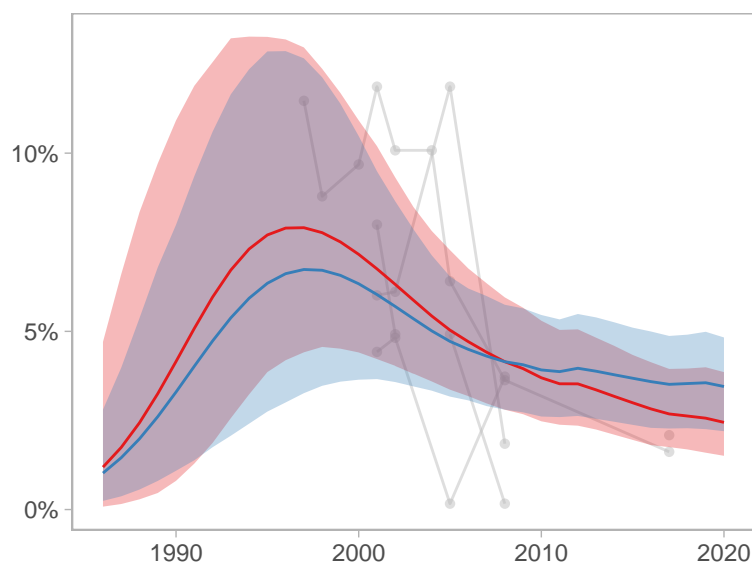
Model: — r-hybrid — r-spline

Côte d'Ivoire – Centre–Est

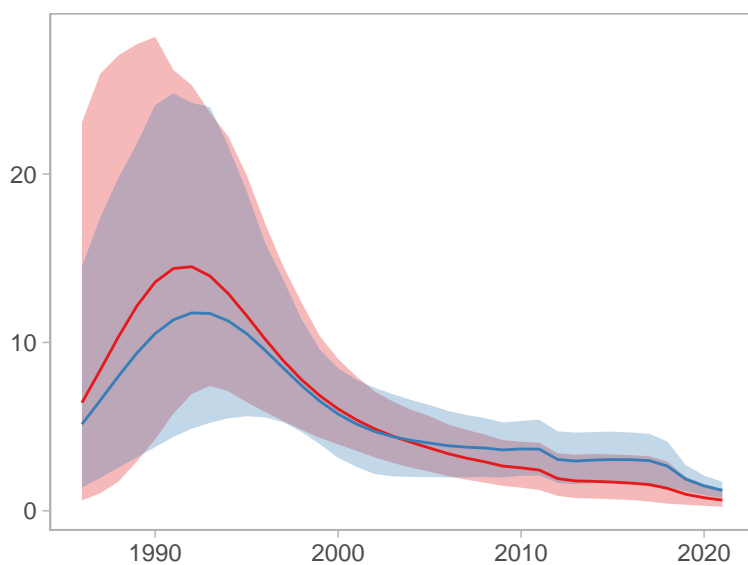
HIV prevalence



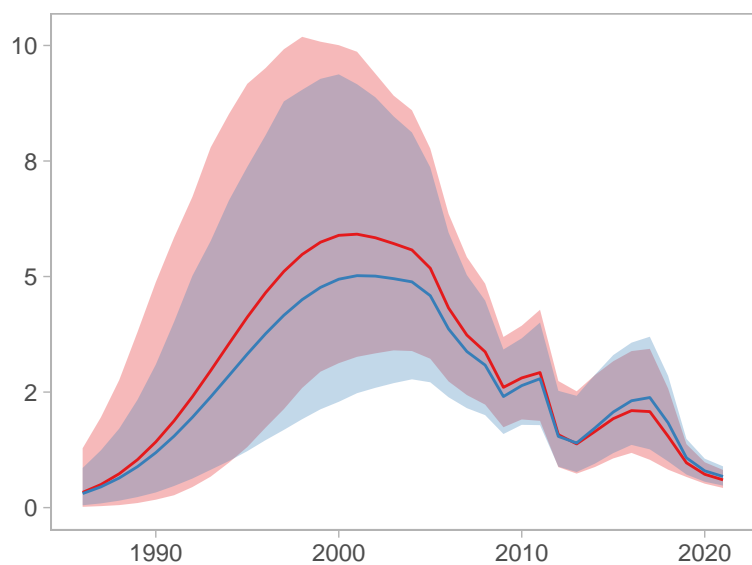
Pregnant women HIV prevalence



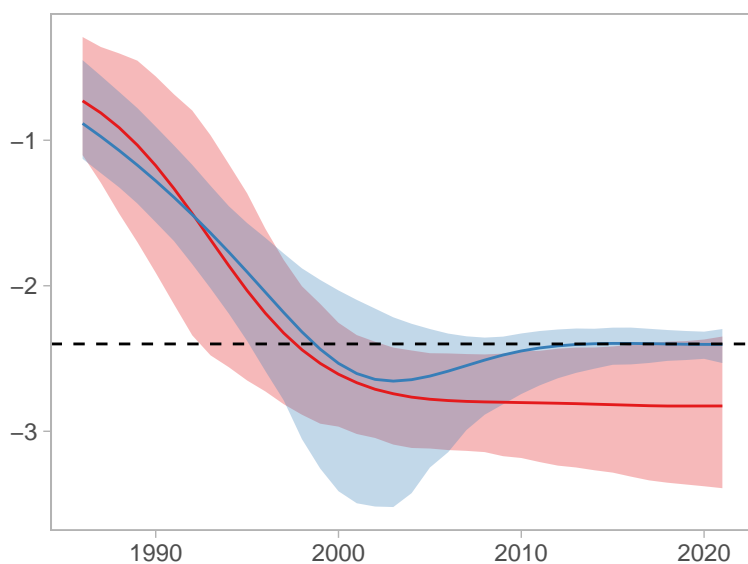
HIV incidence per 1000



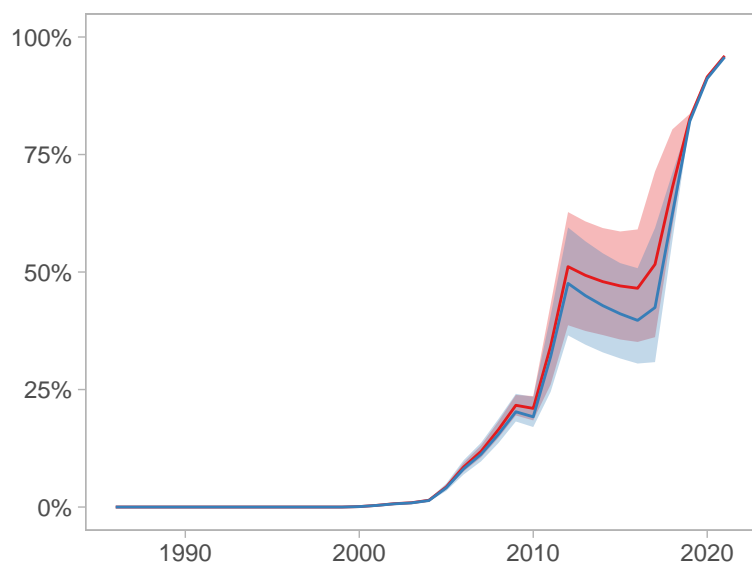
AIDS deaths per 1000 (age 15+)



log r(t)



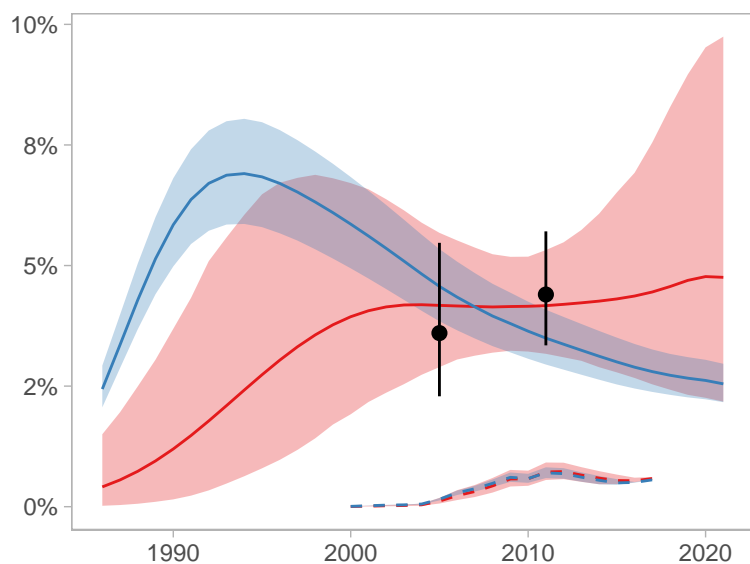
Adult (15+) ART coverage



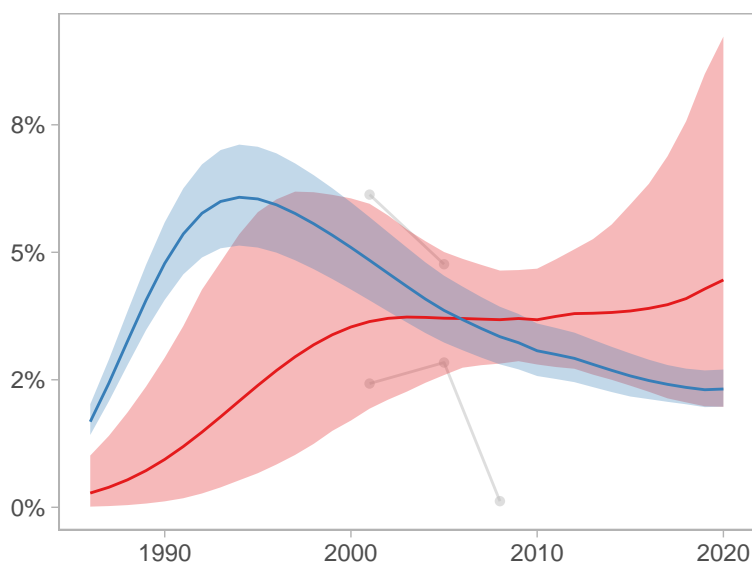
Model: — r-hybrid — r-spline

Côte d'Ivoire – Centre–Nord

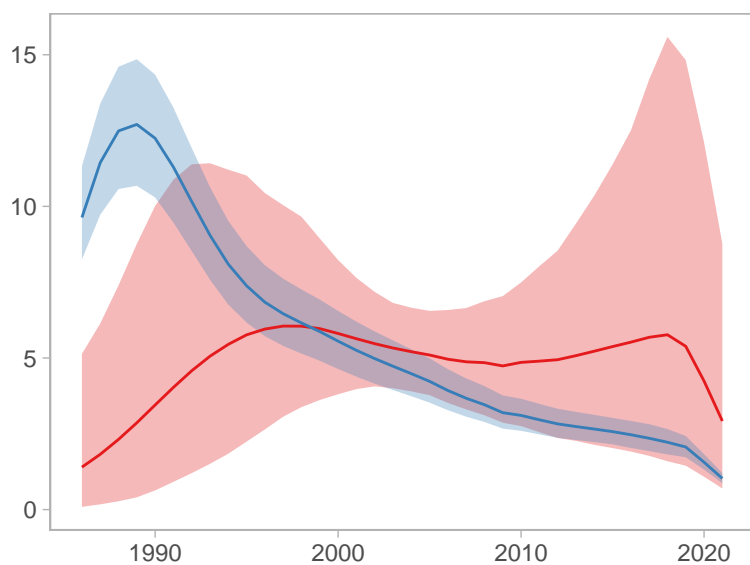
HIV prevalence



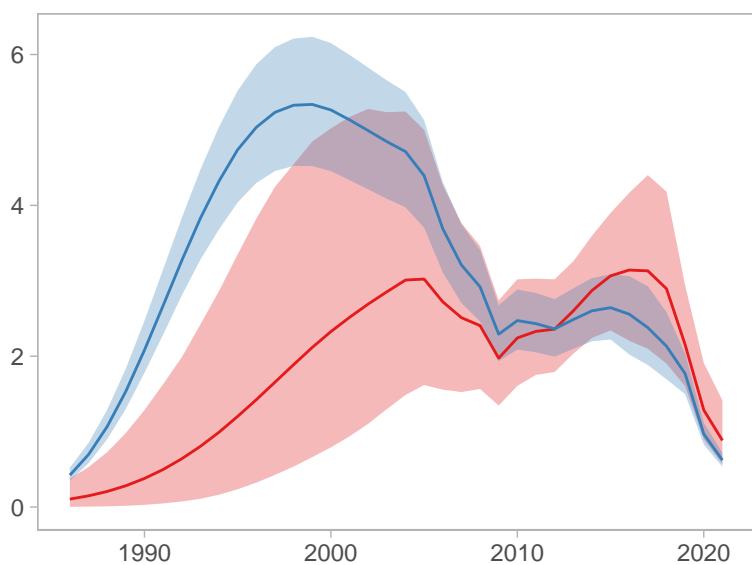
Pregnant women HIV prevalence



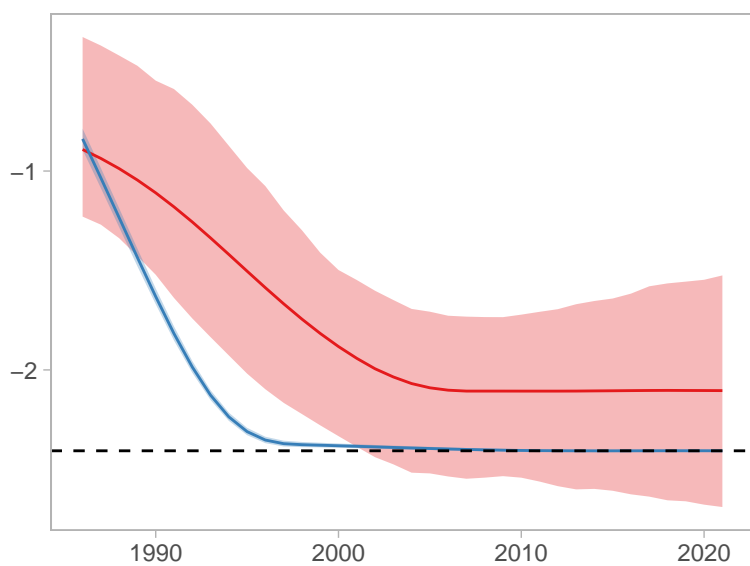
HIV incidence per 1000



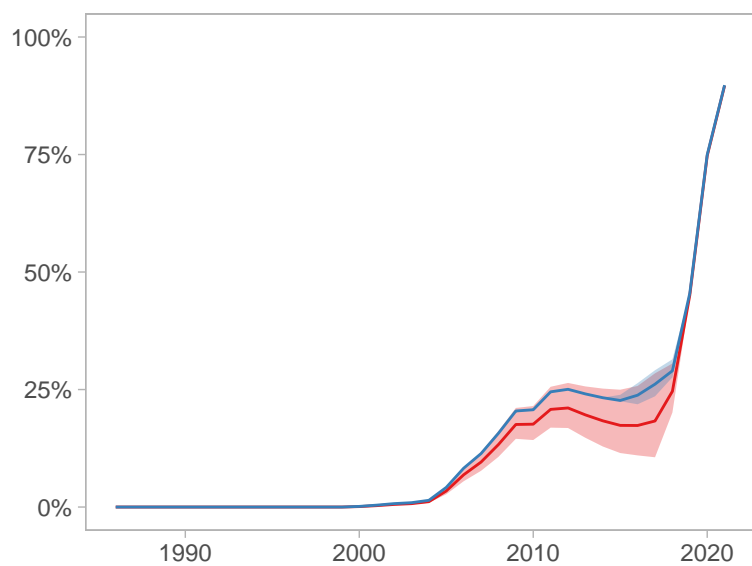
AIDS deaths per 1000 (age 15+)



log r(t)

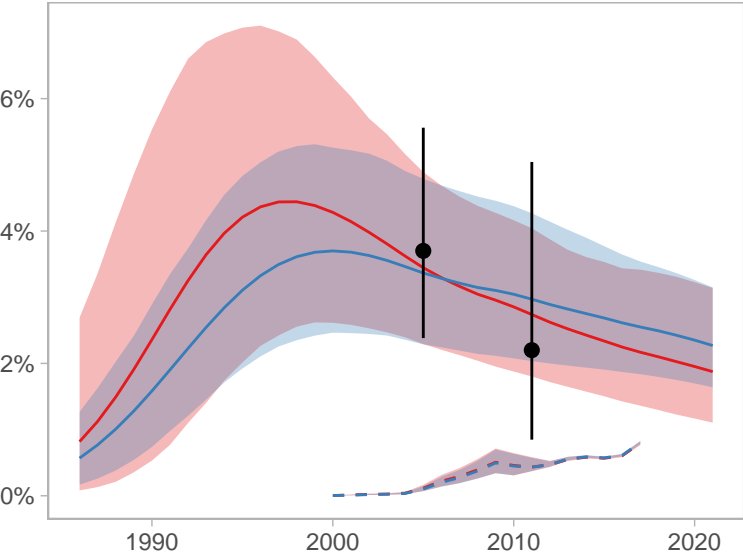


Adult (15+) ART coverage

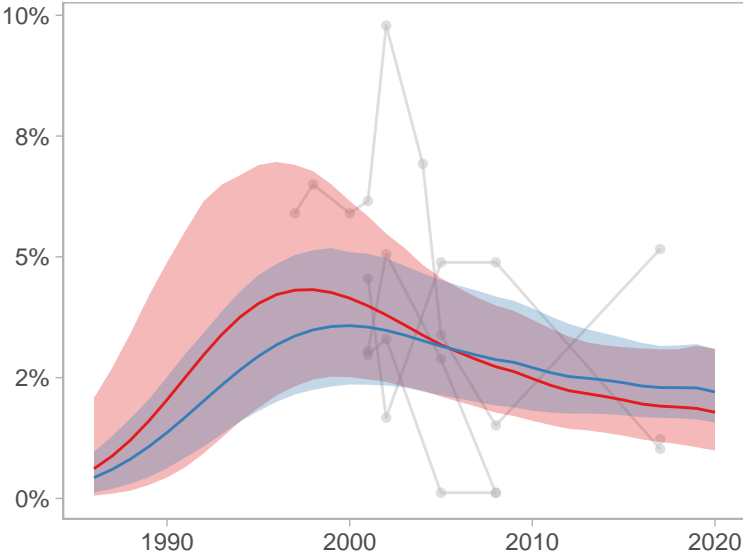


Model: — r-hybrid — r-spline

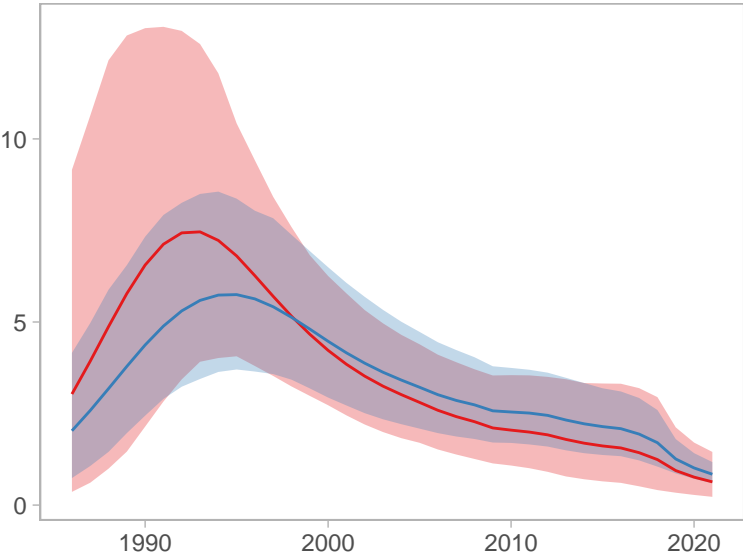
Côte d'Ivoire – Centre-Ouest
HIV prevalence



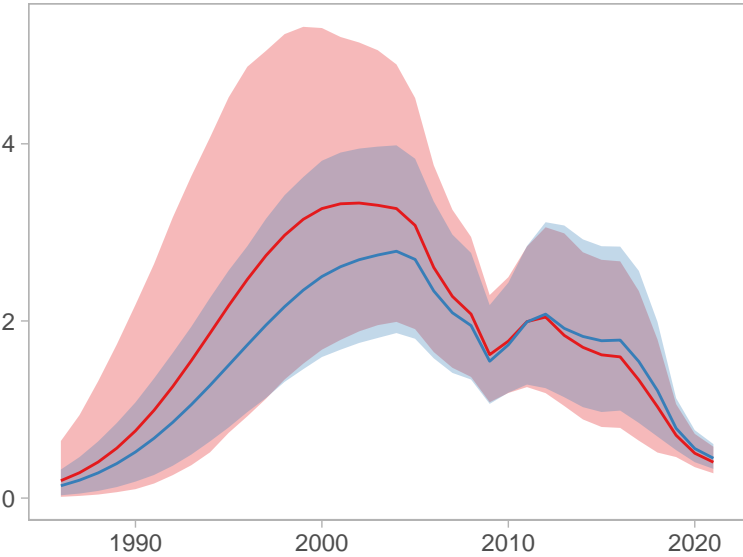
Pregnant women HIV prevalence



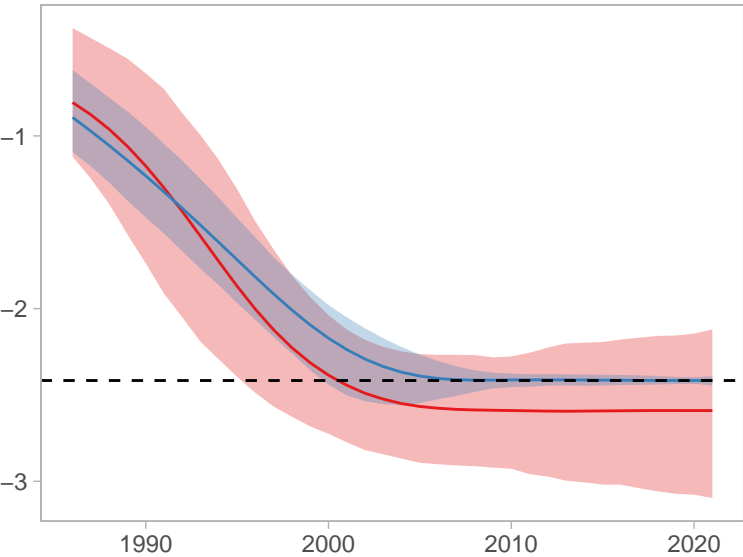
HIV incidence per 1000



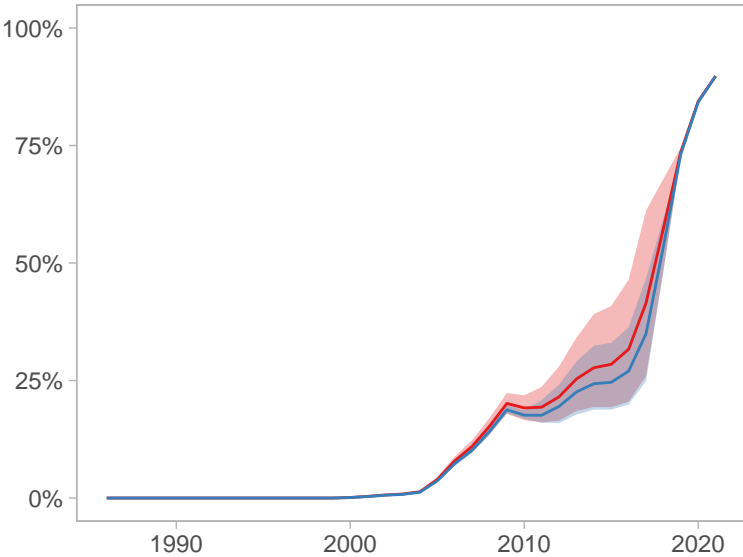
AIDS deaths per 1000 (age 15+)



log r(t)



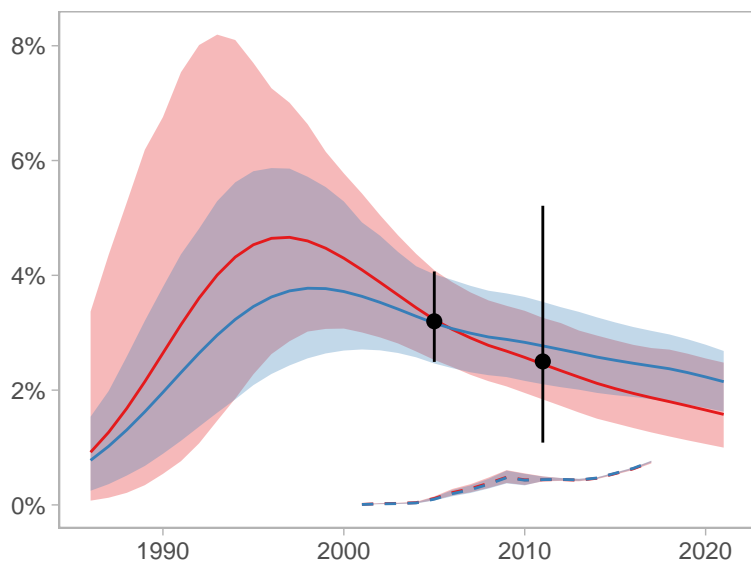
Adult (15+) ART coverage



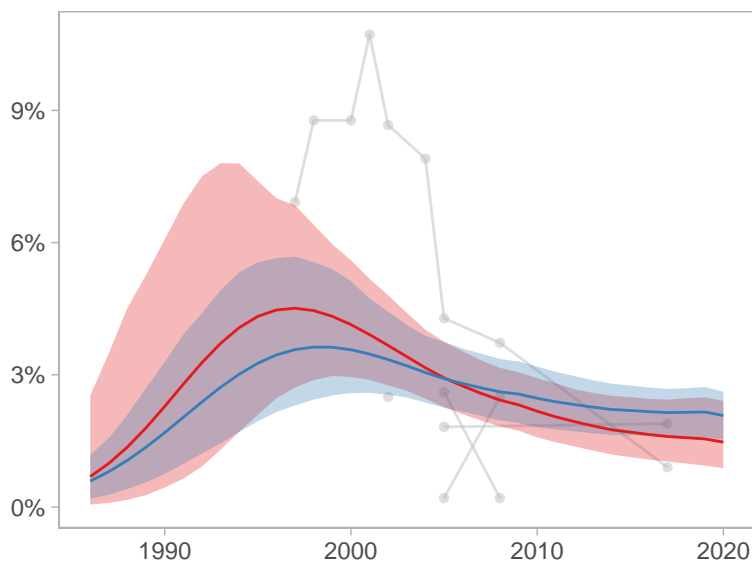
Model: r-hybrid r-spline

Côte d'Ivoire – Nord

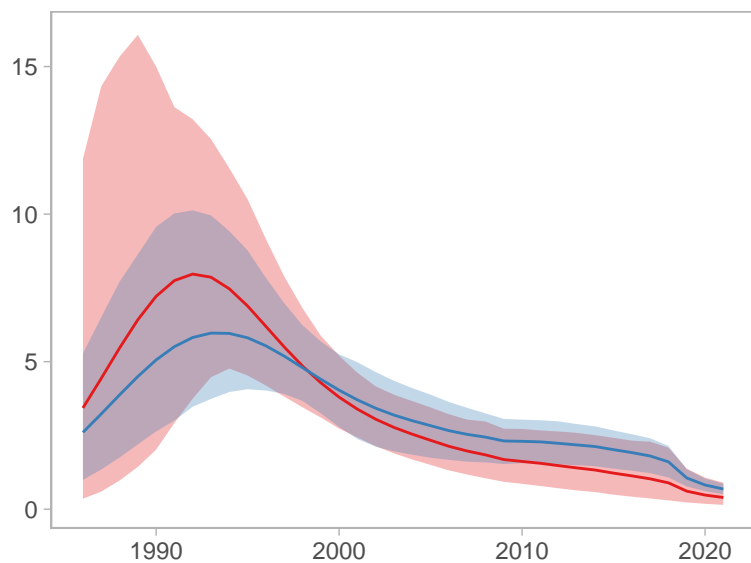
HIV prevalence



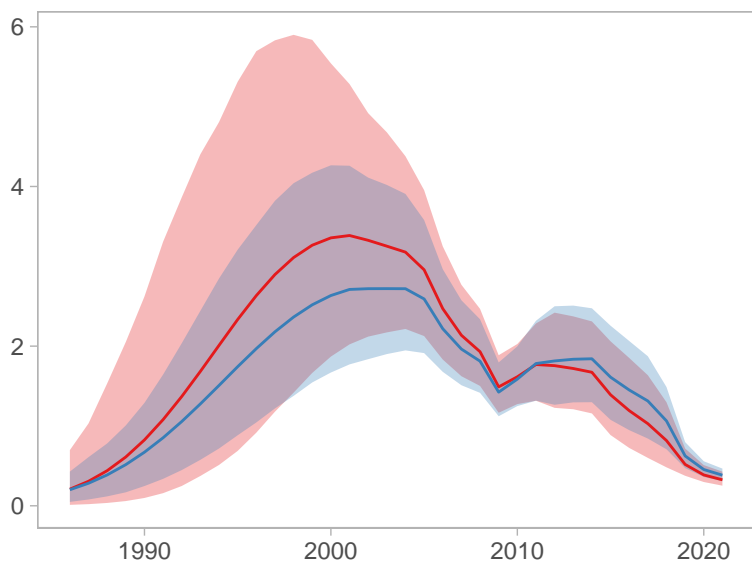
Pregnant women HIV prevalence



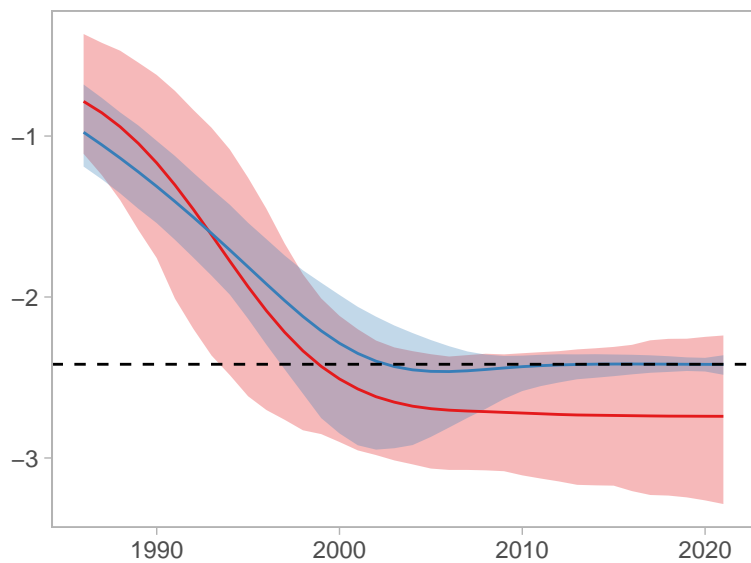
HIV incidence per 1000



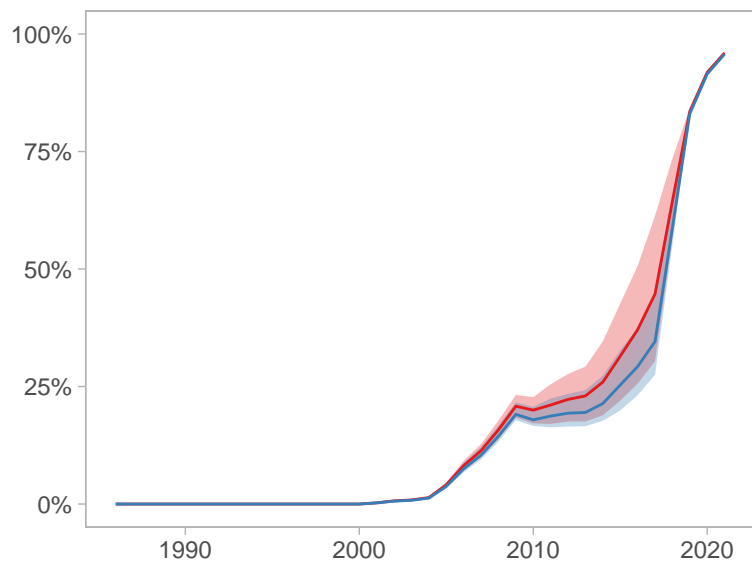
AIDS deaths per 1000 (age 15+)



log r(t)



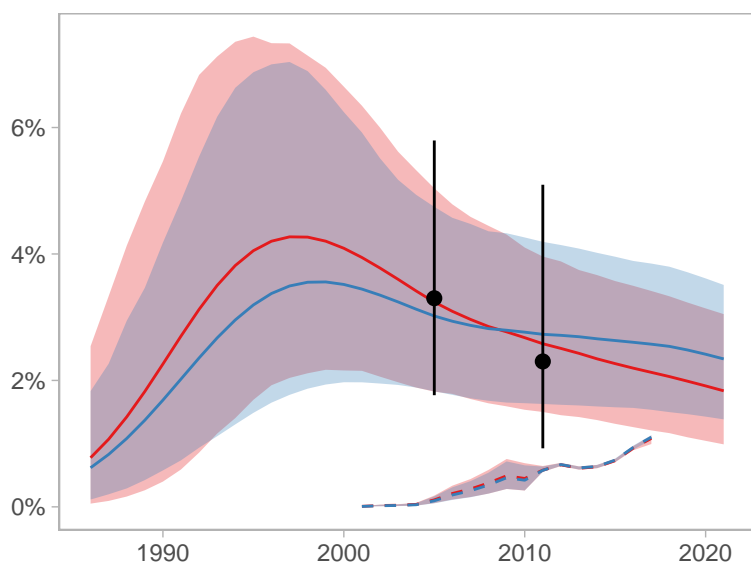
Adult (15+) ART coverage



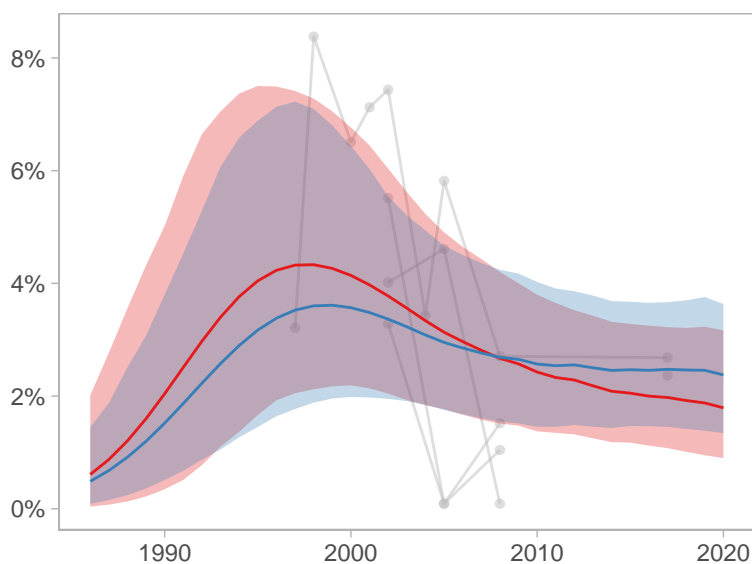
Model: — r-hybrid — r-spline

Côte d'Ivoire – Nord–Est

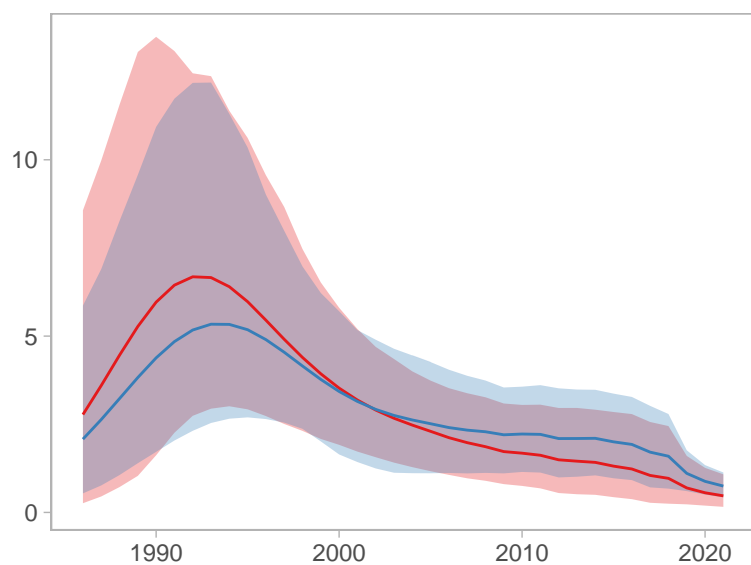
HIV prevalence



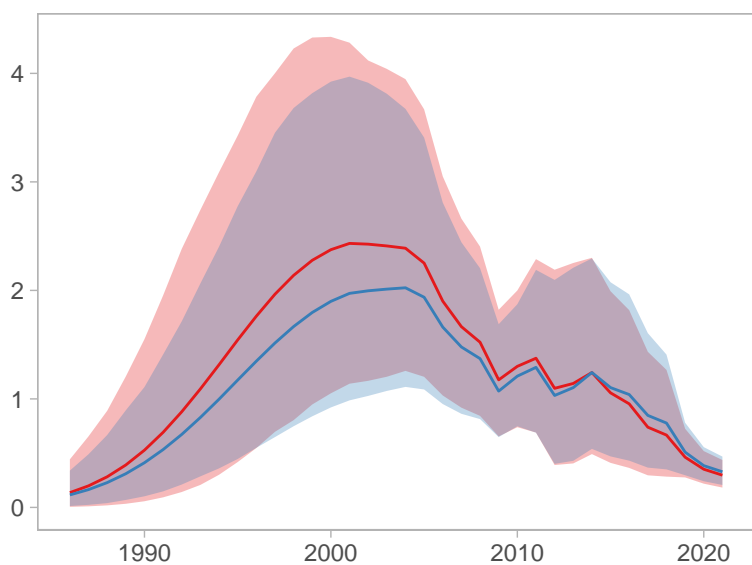
Pregnant women HIV prevalence



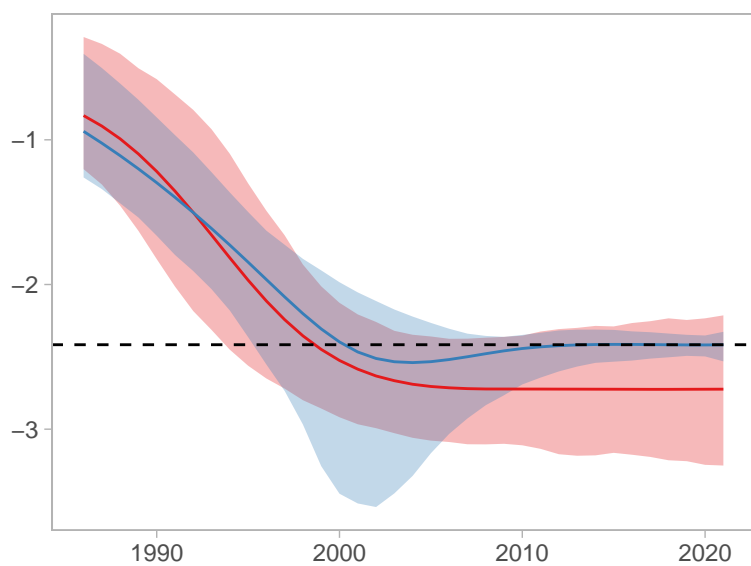
HIV incidence per 1000



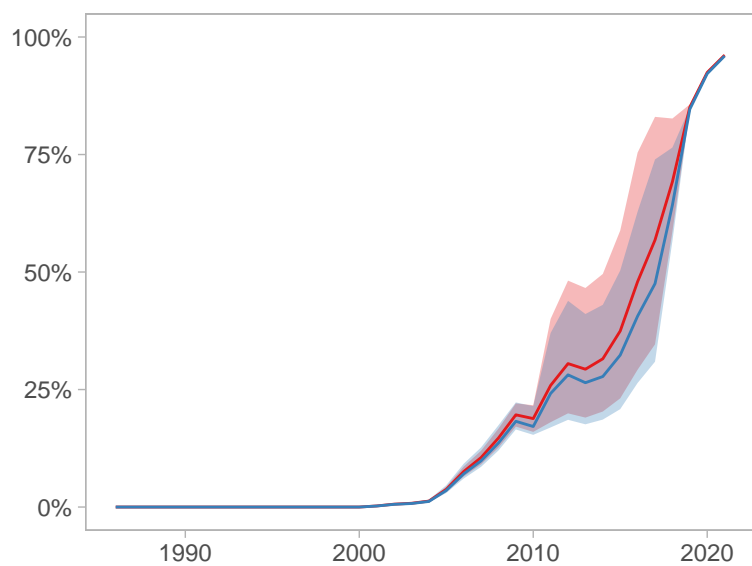
AIDS deaths per 1000 (age 15+)



log r(t)



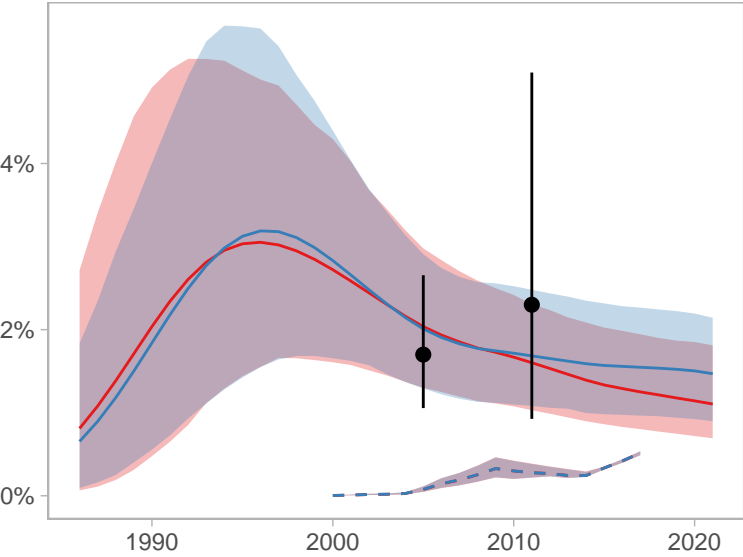
Adult (15+) ART coverage



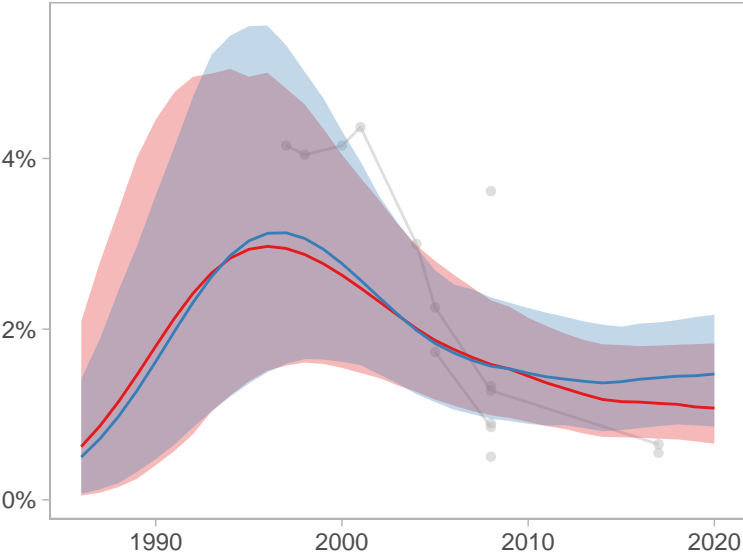
Model: — r-hybrid — r-spline

Côte d'Ivoire – Nord-Ouest

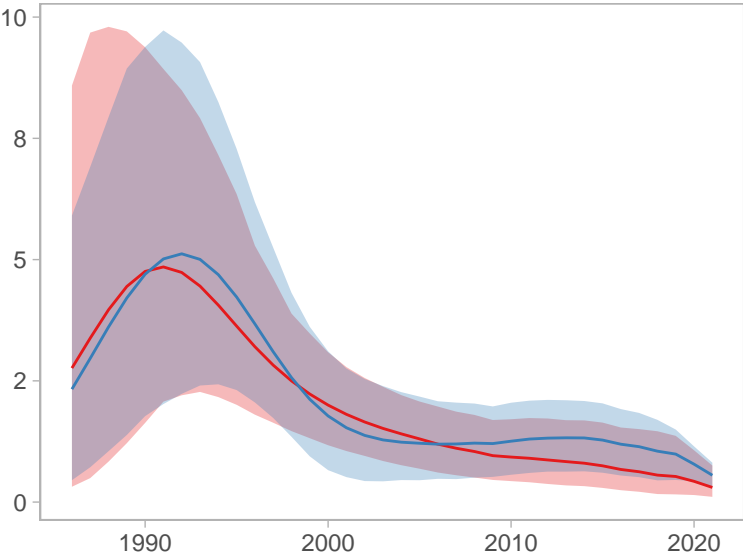
HIV prevalence



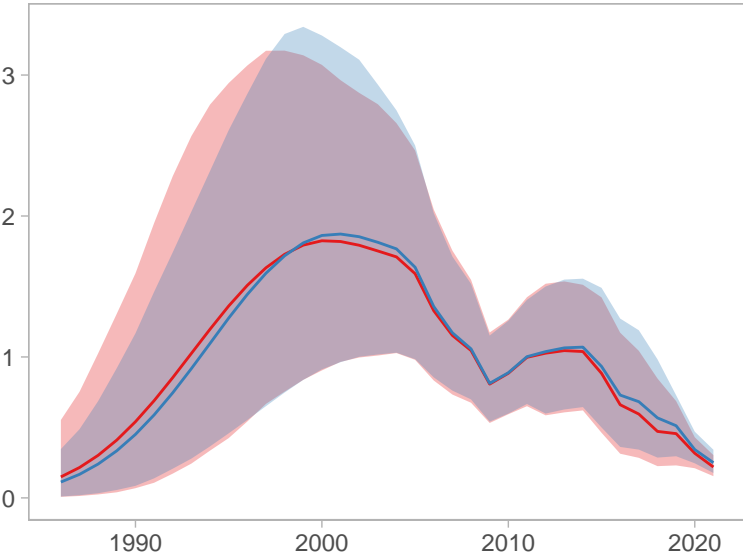
Pregnant women HIV prevalence



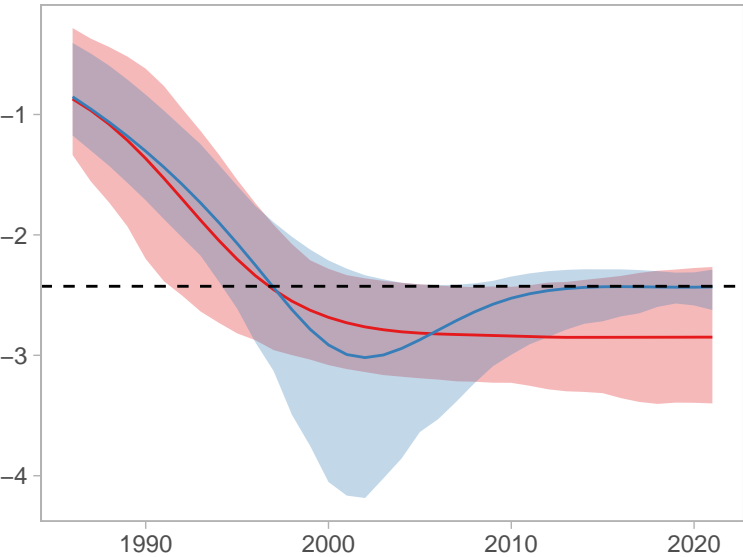
HIV incidence per 1000



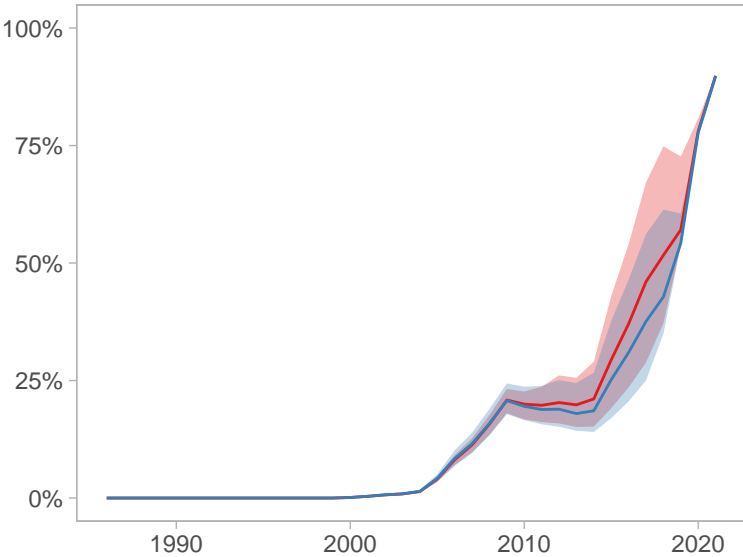
AIDS deaths per 1000 (age 15+)



log r(t)



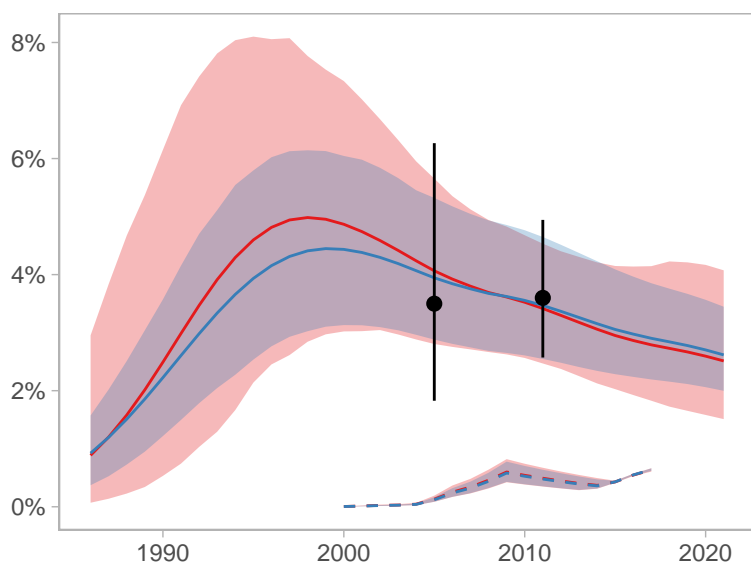
Adult (15+) ART coverage



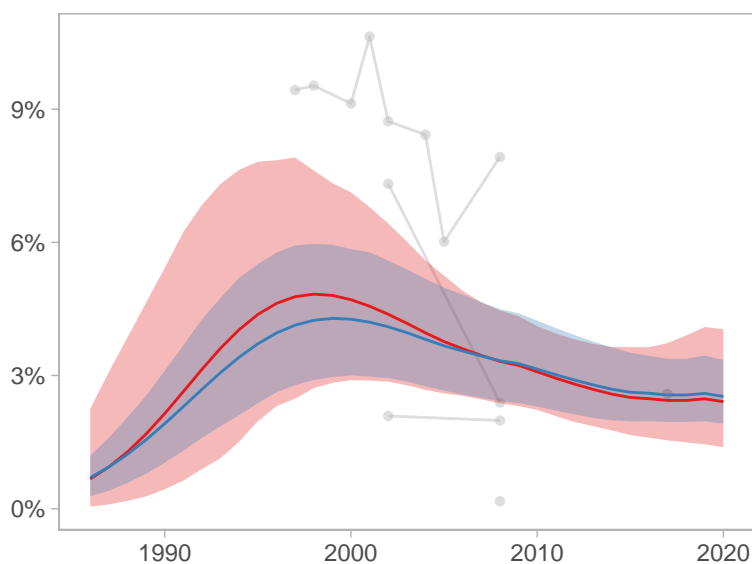
Model: r-hybrid r-spline

Côte d'Ivoire – Ouest

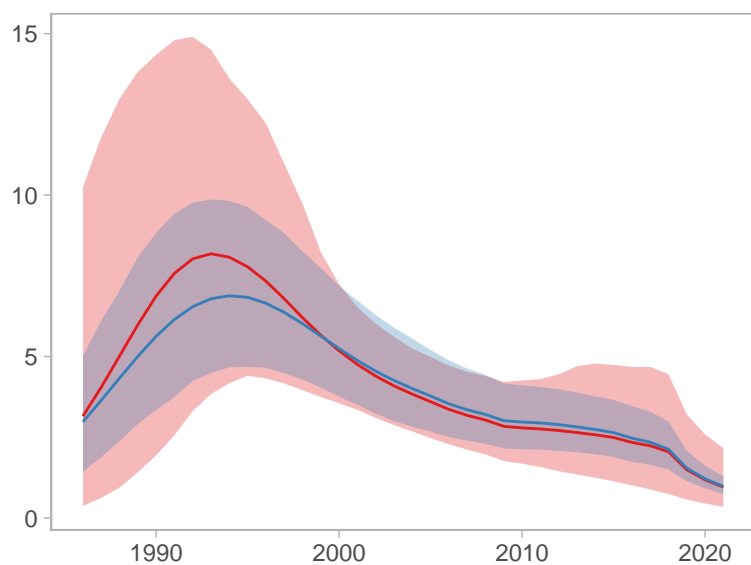
HIV prevalence



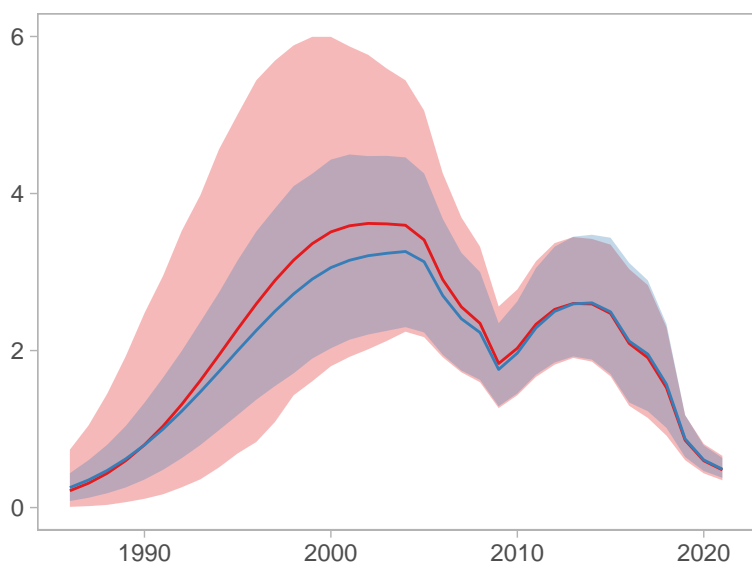
Pregnant women HIV prevalence



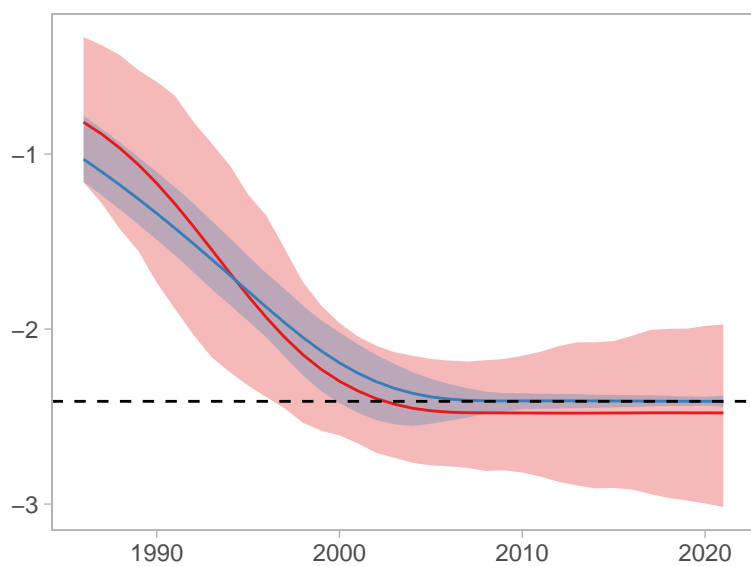
HIV incidence per 1000



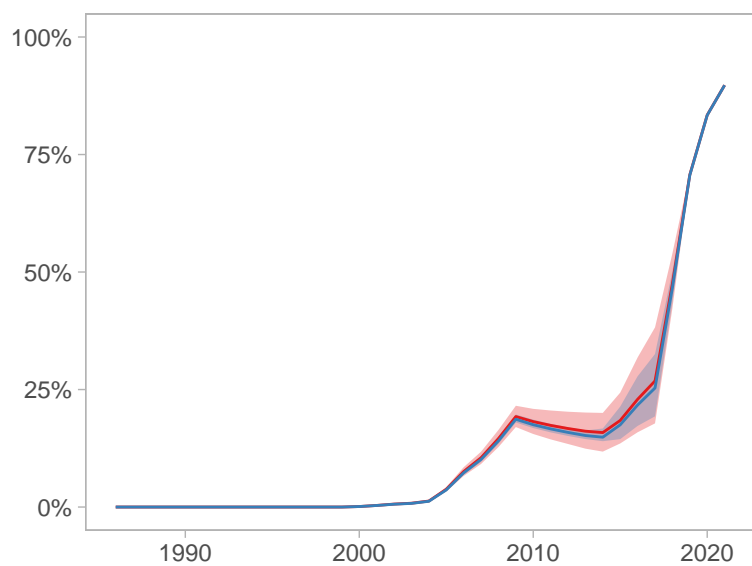
AIDS deaths per 1000 (age 15+)



log r(t)



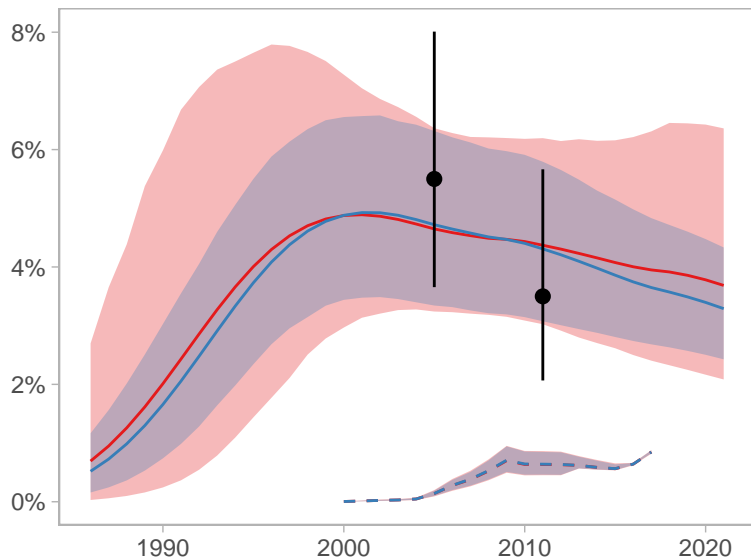
Adult (15+) ART coverage



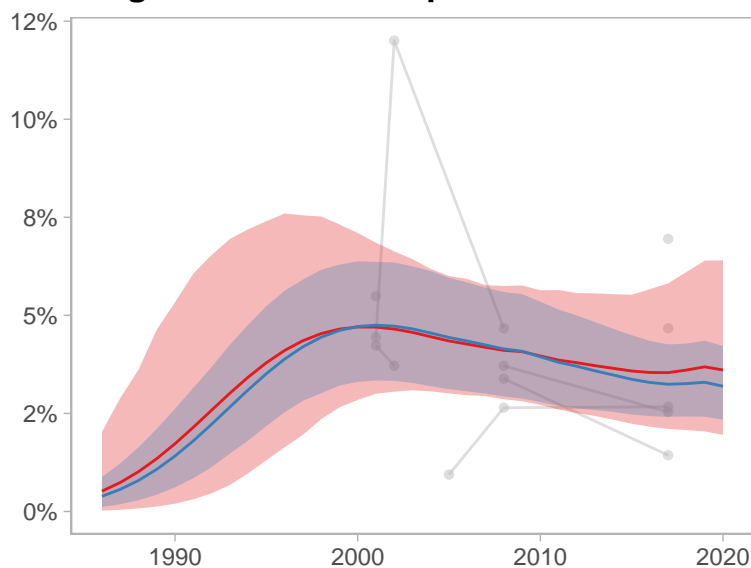
Model: ■ r-hybrid ■ r-spline

Côte d'Ivoire – Sud

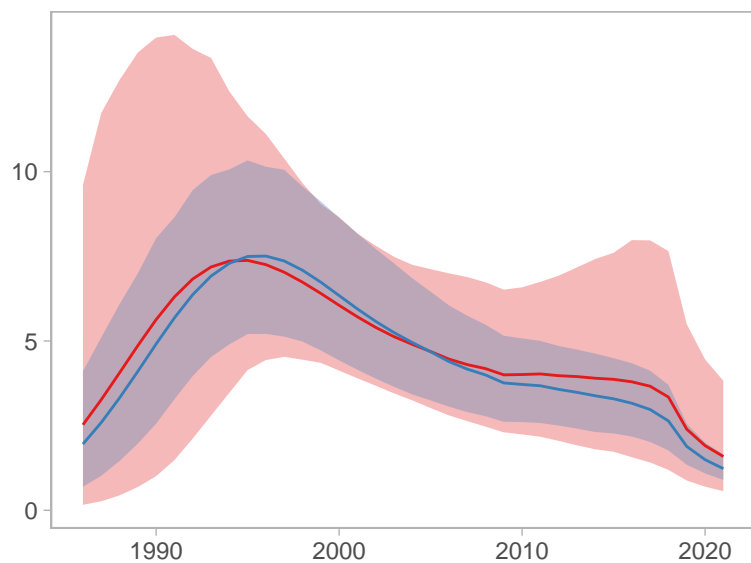
HIV prevalence



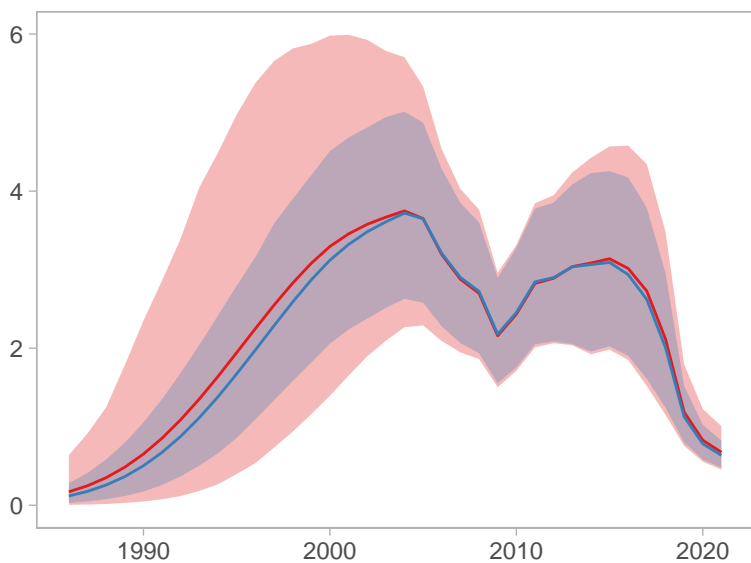
Pregnant women HIV prevalence



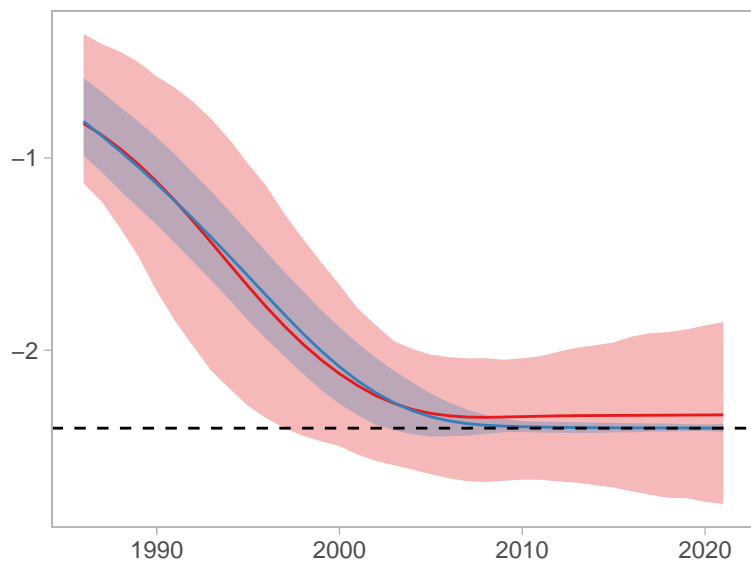
HIV incidence per 1000



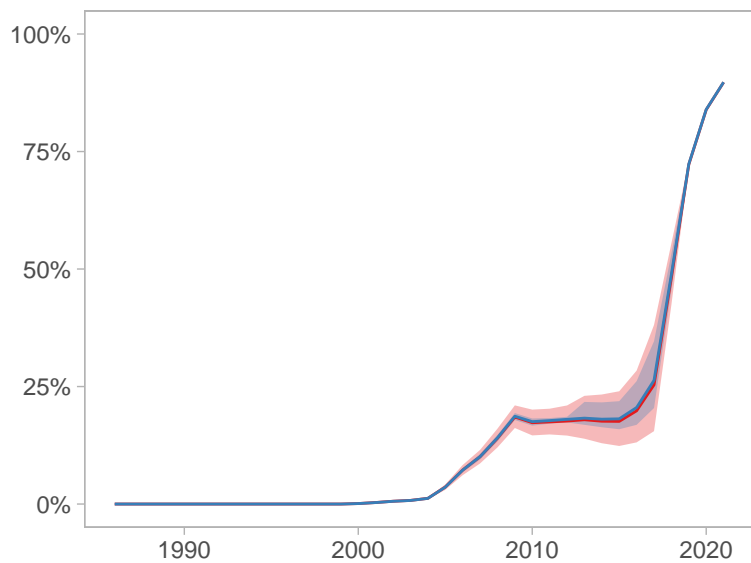
AIDS deaths per 1000 (age 15+)



log r(t)

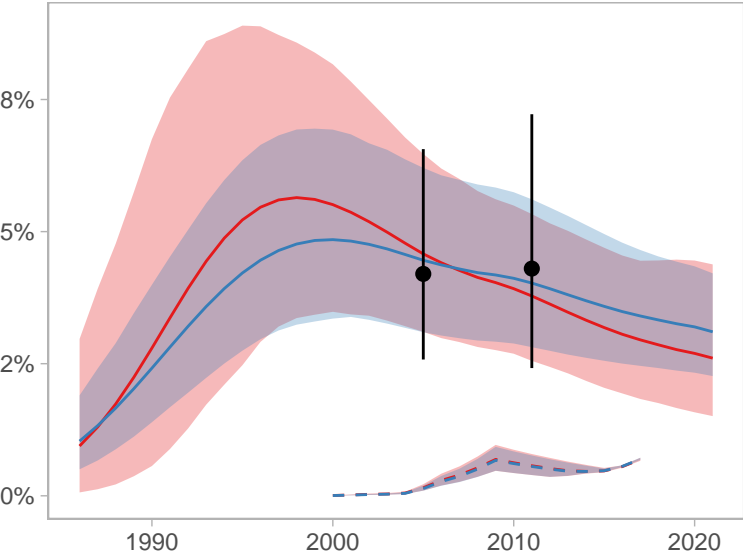


Adult (15+) ART coverage

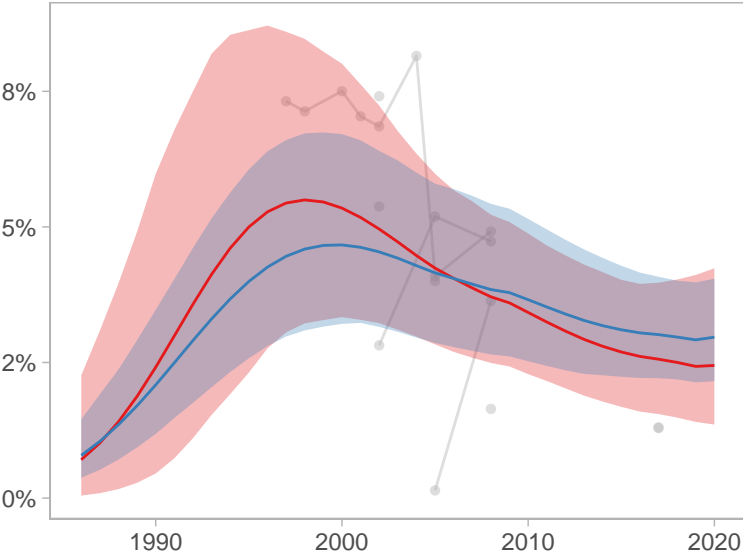


Model: — r-hybrid — r-spline

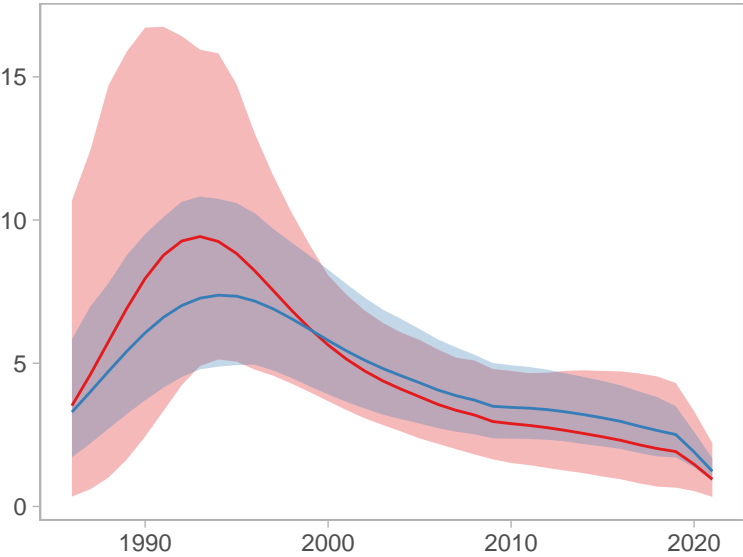
Côte d'Ivoire – Sud-Ouest
HIV prevalence



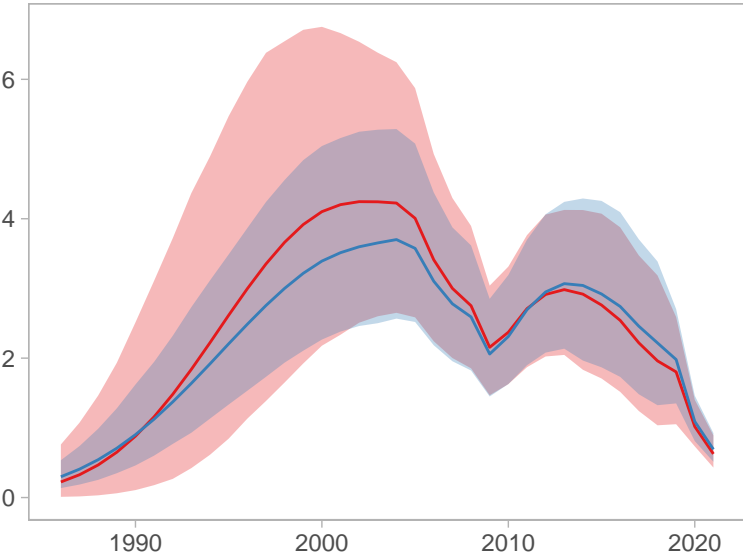
Pregnant women HIV prevalence



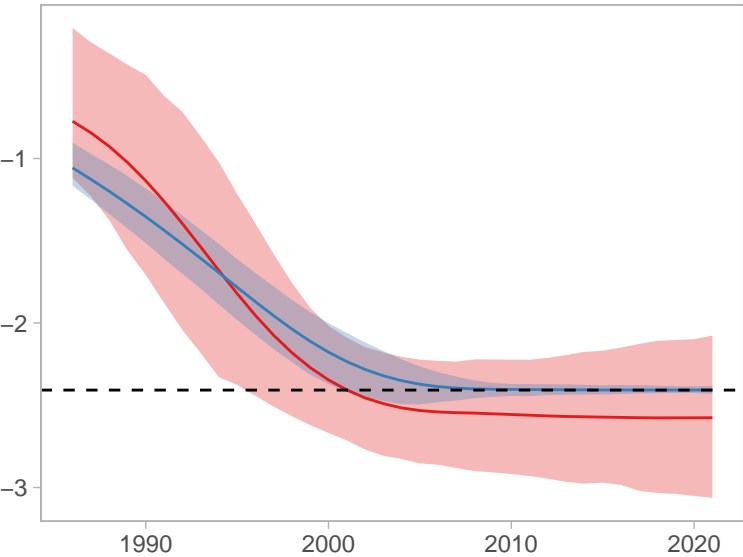
HIV incidence per 1000



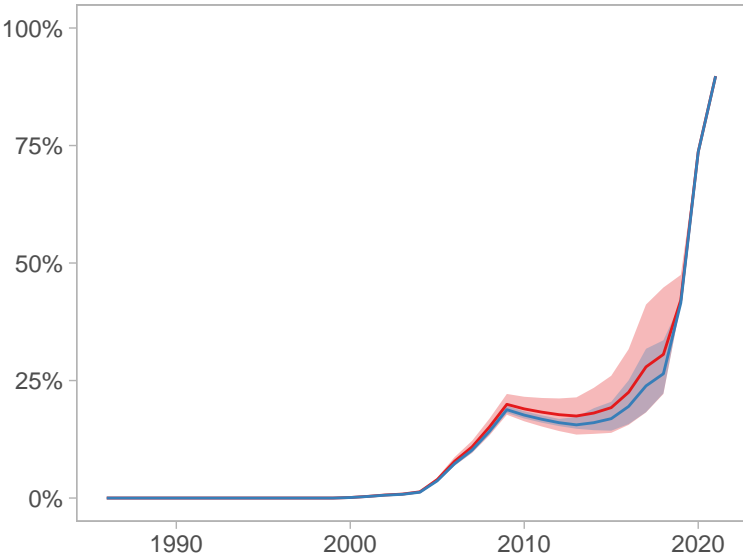
AIDS deaths per 1000 (age 15+)



log r(t)



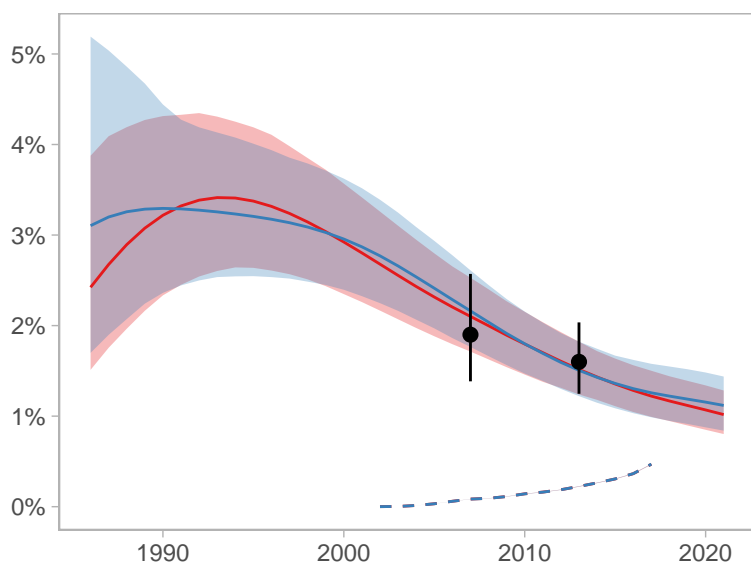
Adult (15+) ART coverage



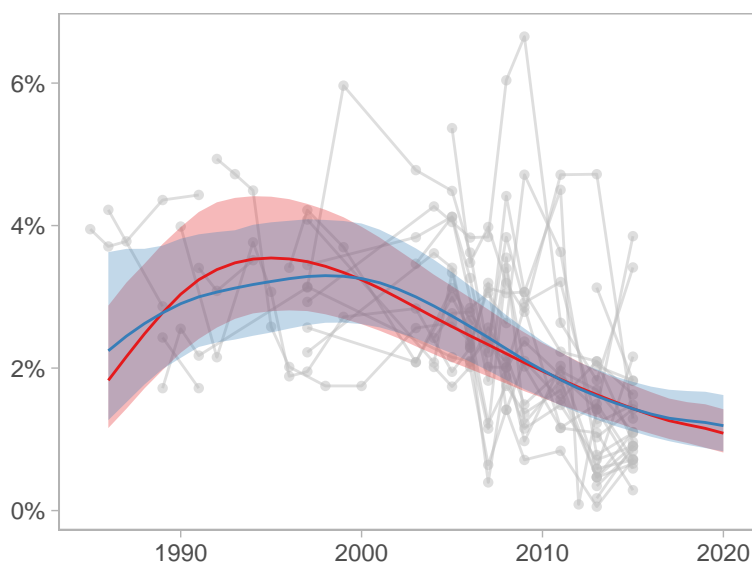
Model: r-hybrid r-spline

Democratic Republic of the Congo – Urbain

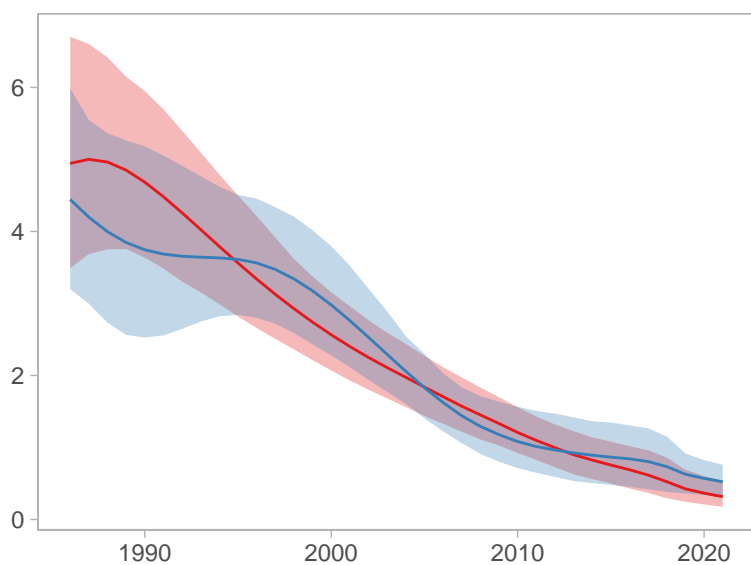
HIV prevalence



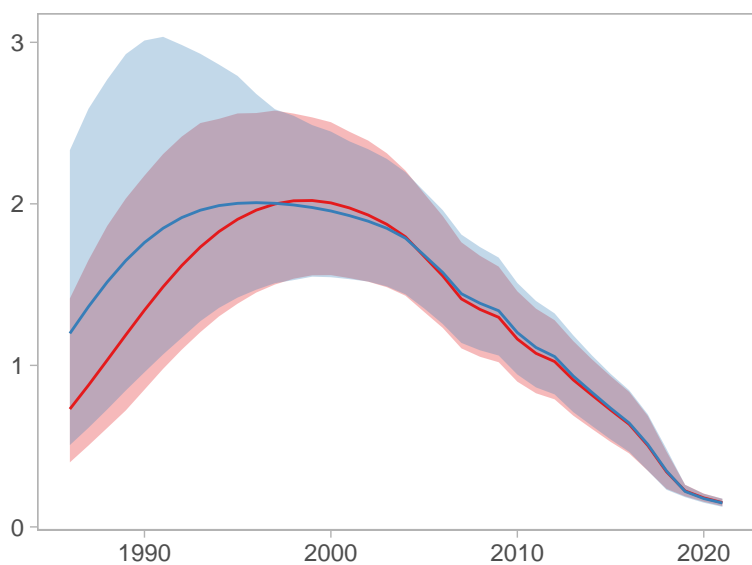
Pregnant women HIV prevalence



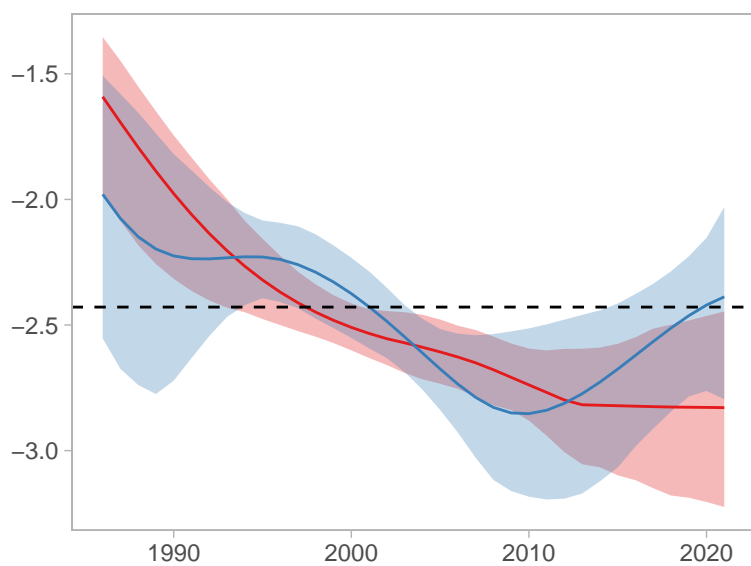
HIV incidence per 1000



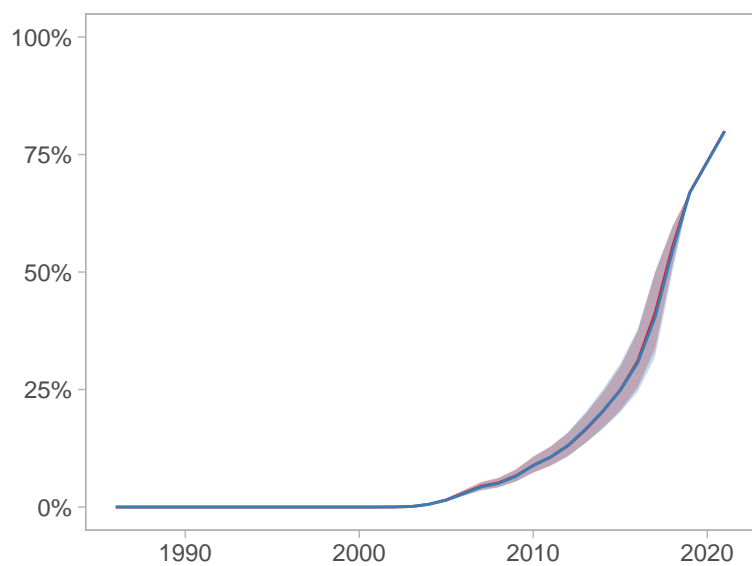
AIDS deaths per 1000 (age 15+)



log r(t)



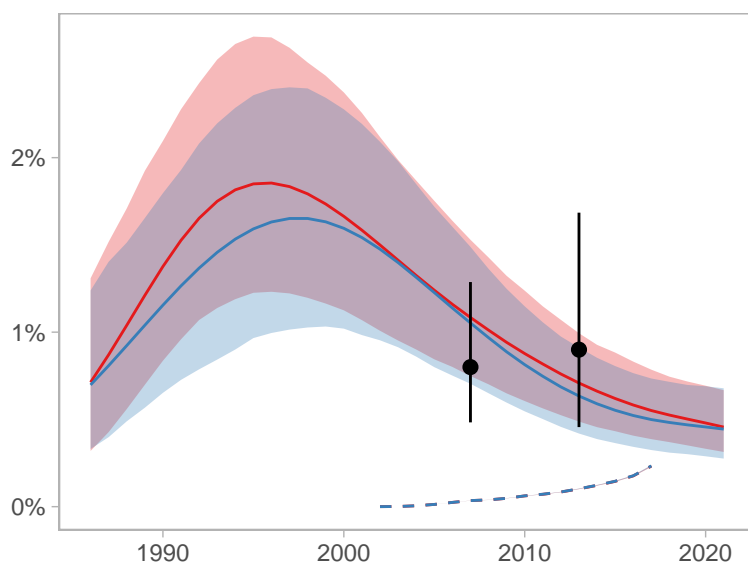
Adult (15+) ART coverage



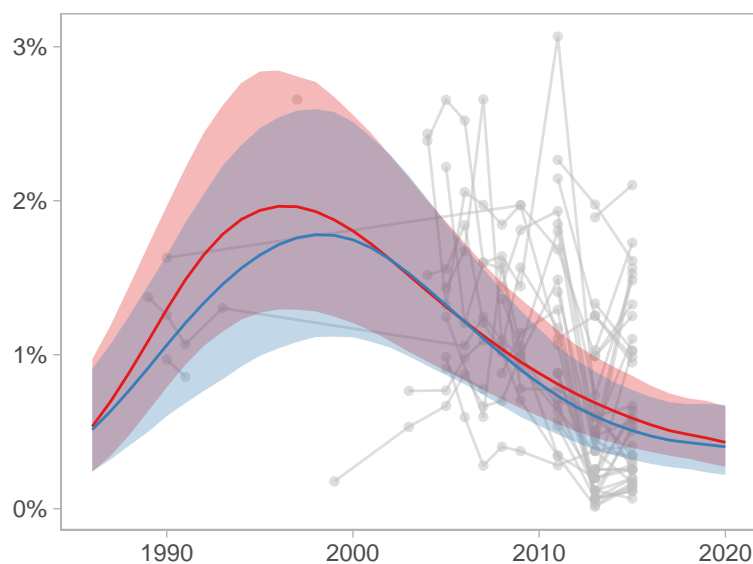
Model: — r-hybrid — r-spline

Democratic Republic of the Congo – Rural

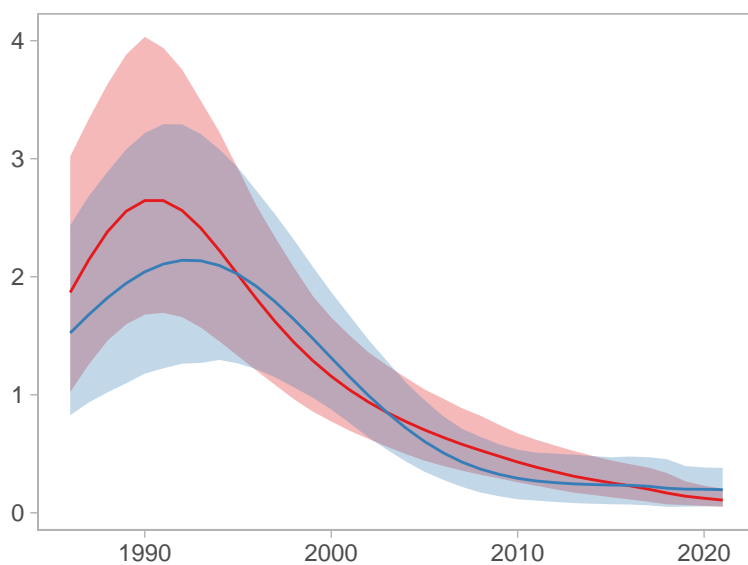
HIV prevalence



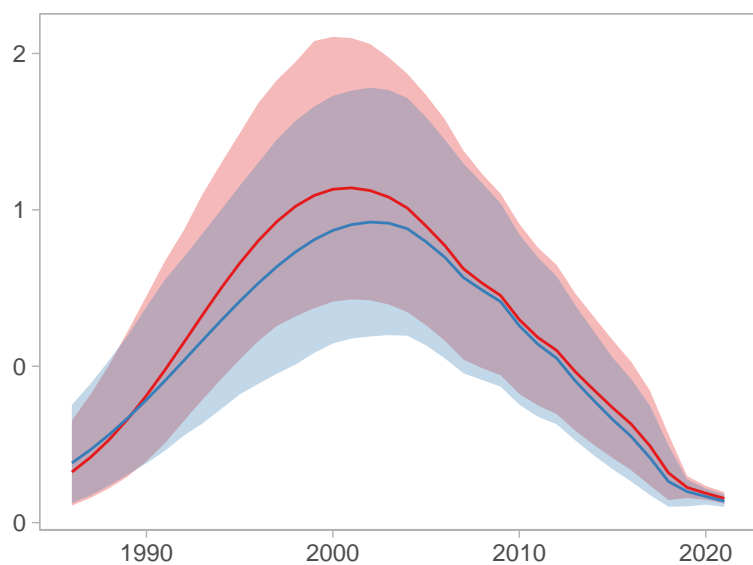
Pregnant women HIV prevalence



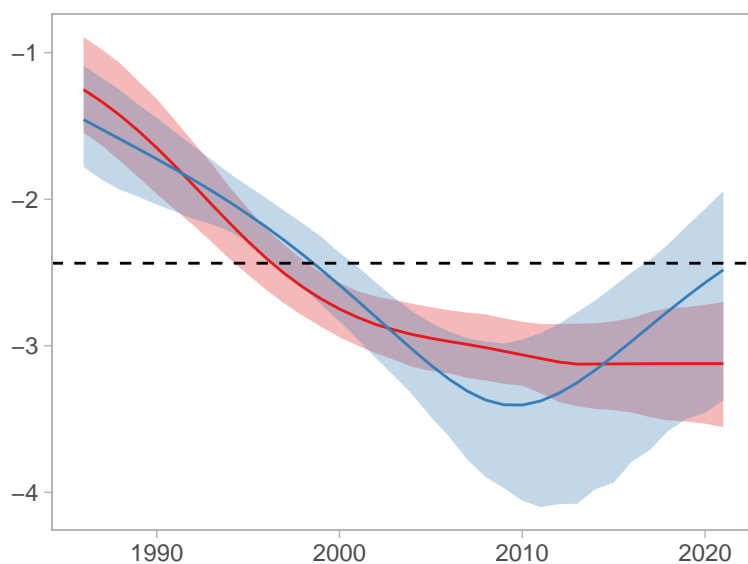
HIV incidence per 1000



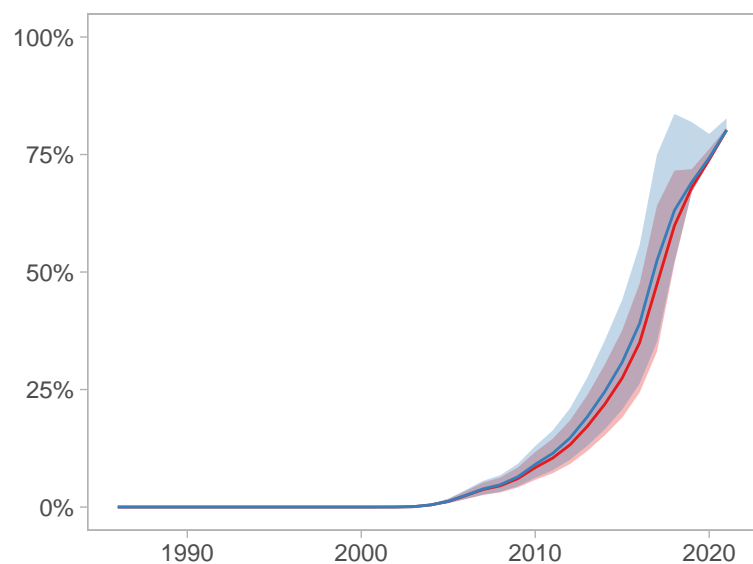
AIDS deaths per 1000 (age 15+)



log r(t)



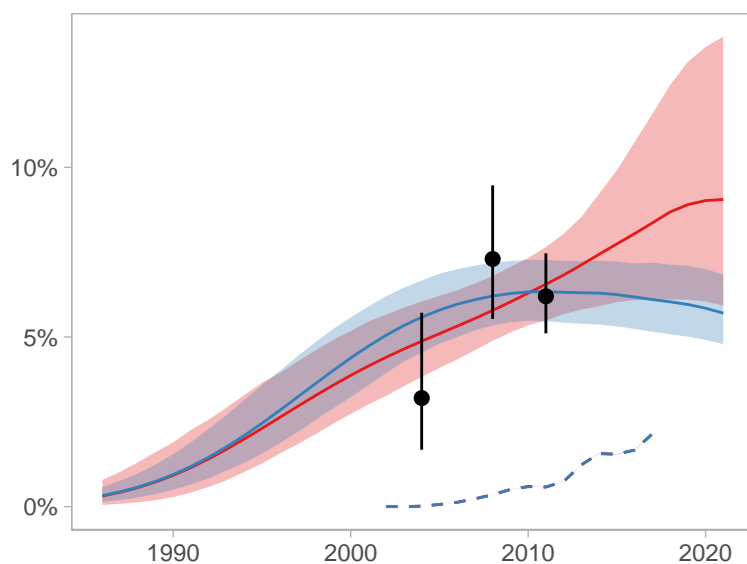
Adult (15+) ART coverage



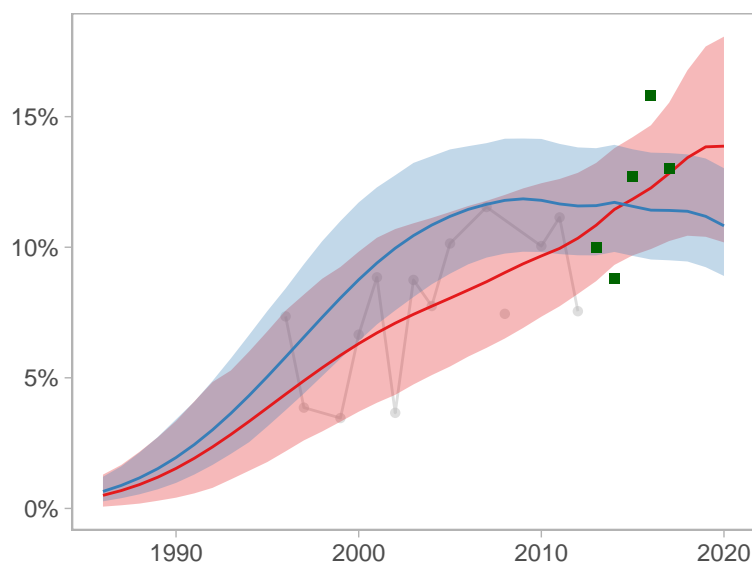
Model: — r-hybrid — r-spline

Equatorial Guinea – Equatorial Guinea

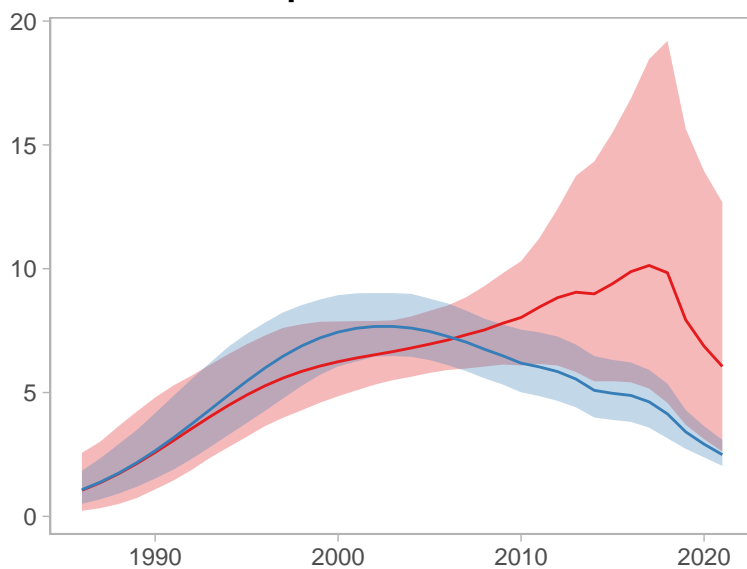
HIV prevalence



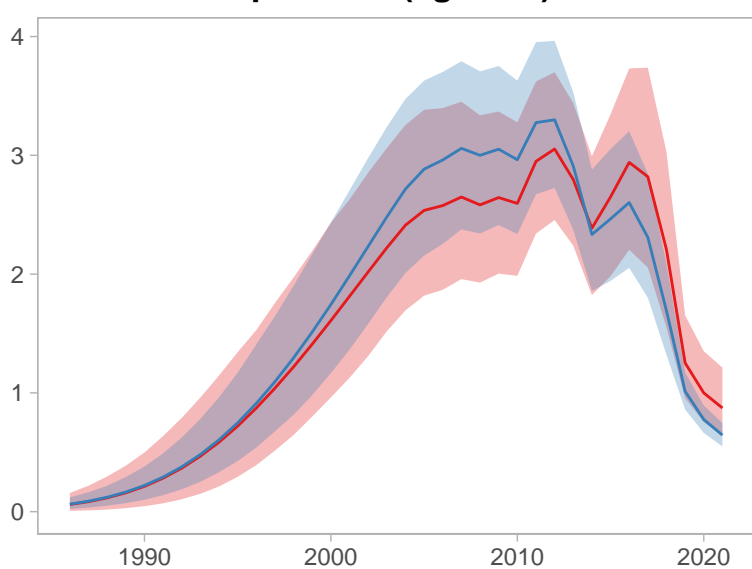
Pregnant women HIV prevalence



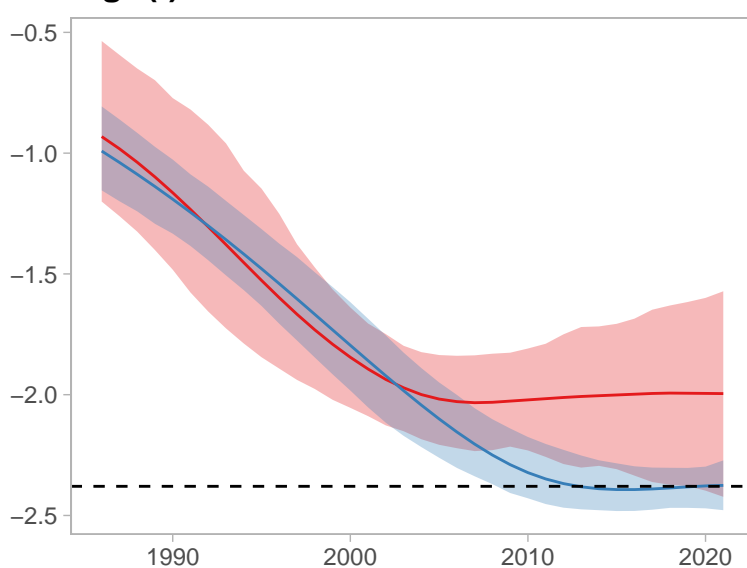
HIV incidence per 1000



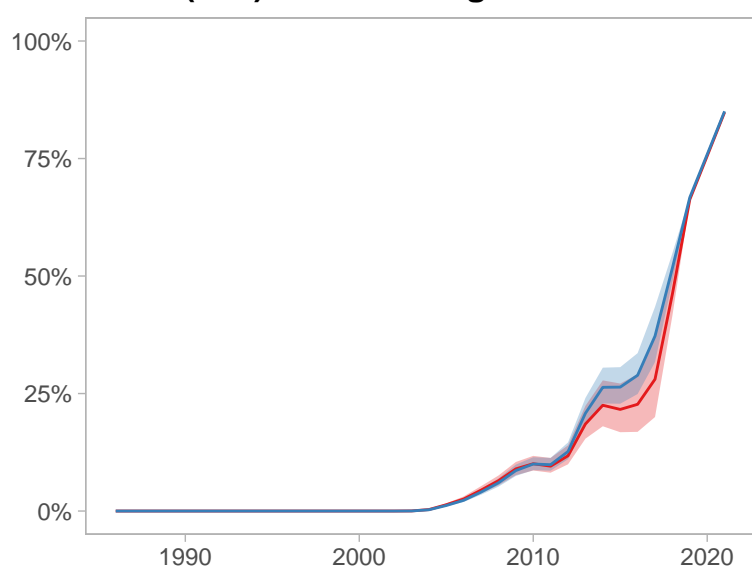
AIDS deaths per 1000 (age 15+)



log r(t)



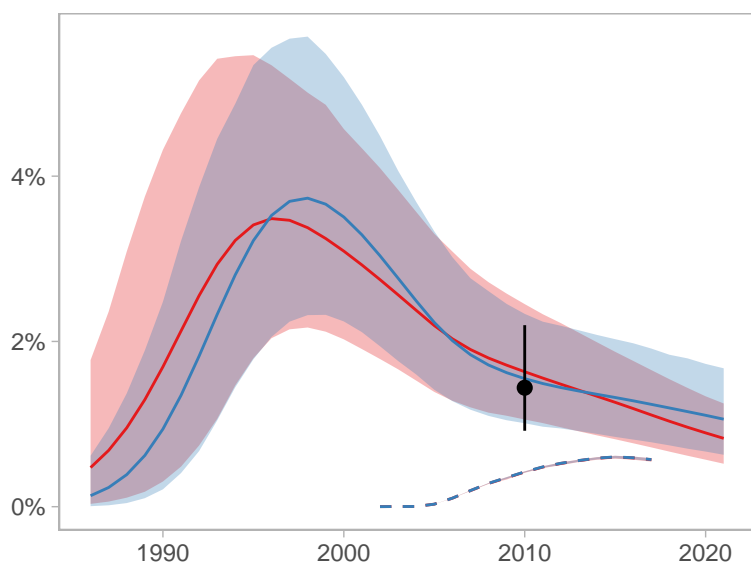
Adult (15+) ART coverage



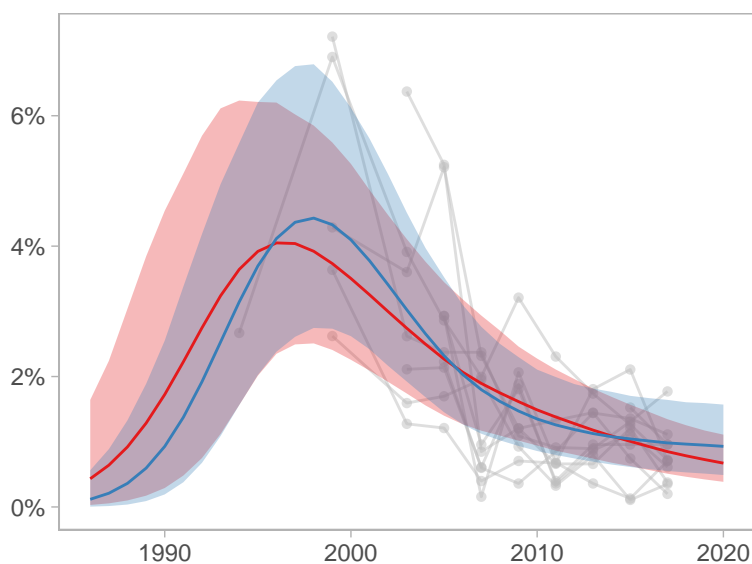
Model: — r-hybrid — r-spline

Eritrea – Urban

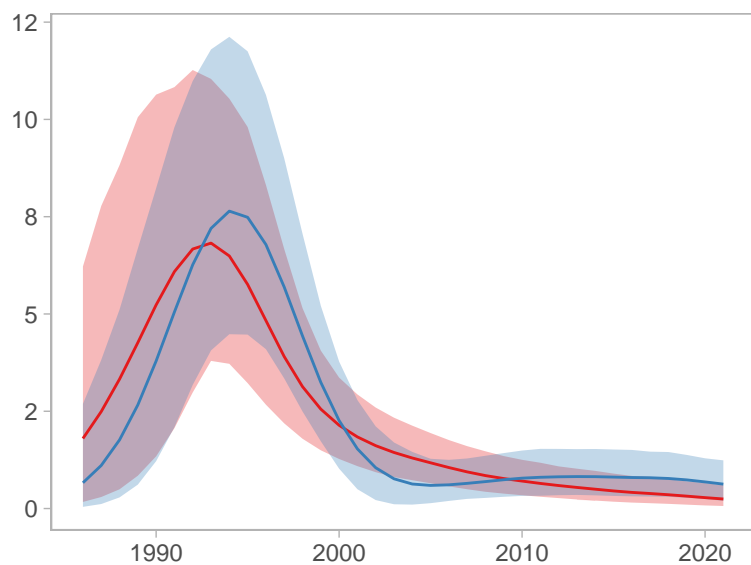
HIV prevalence



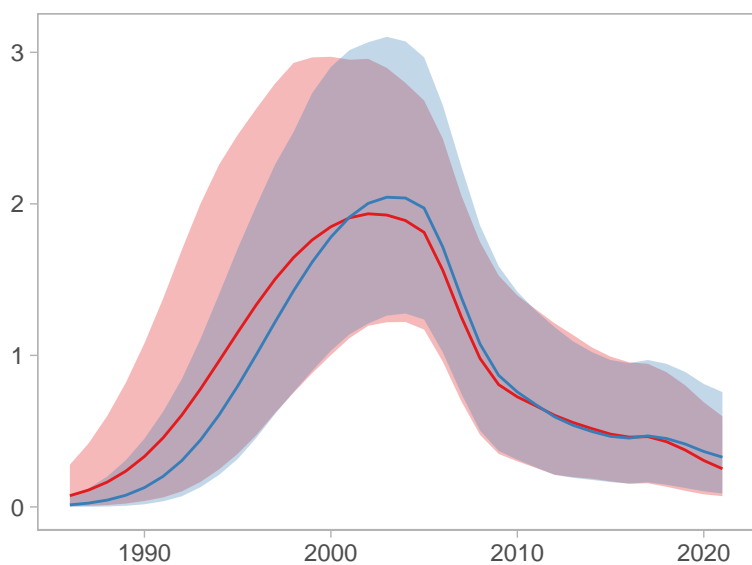
Pregnant women HIV prevalence



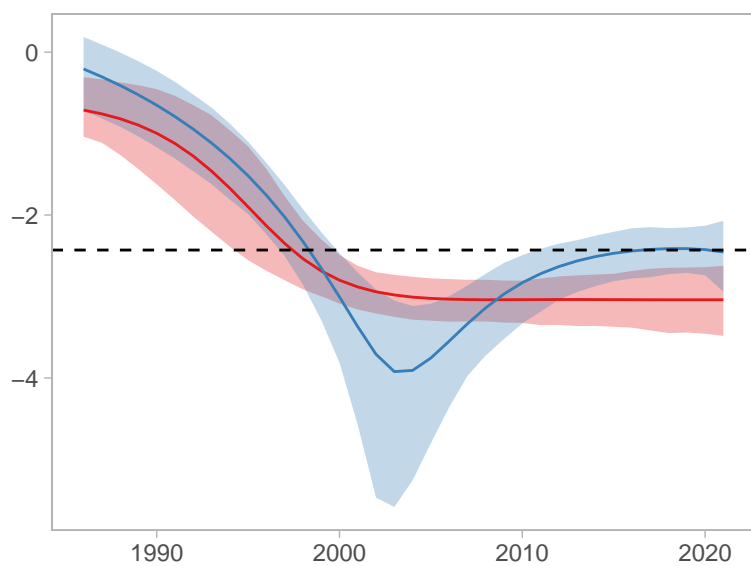
HIV incidence per 1000



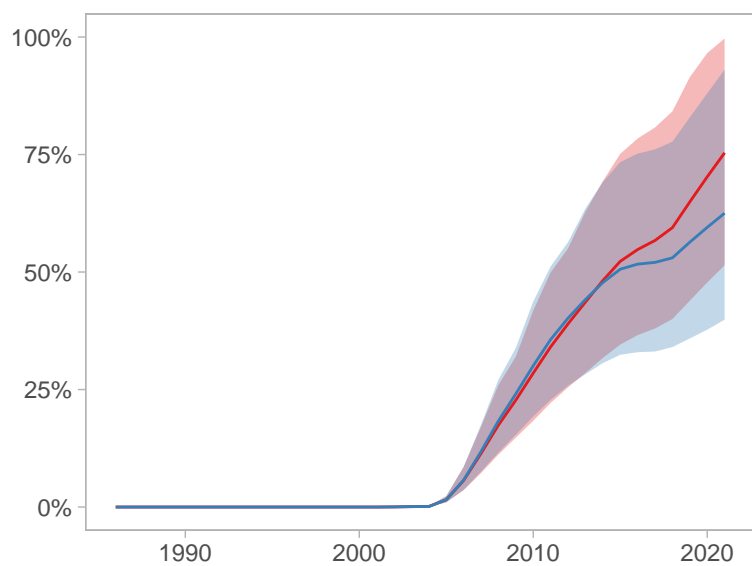
AIDS deaths per 1000 (age 15+)



log r(t)



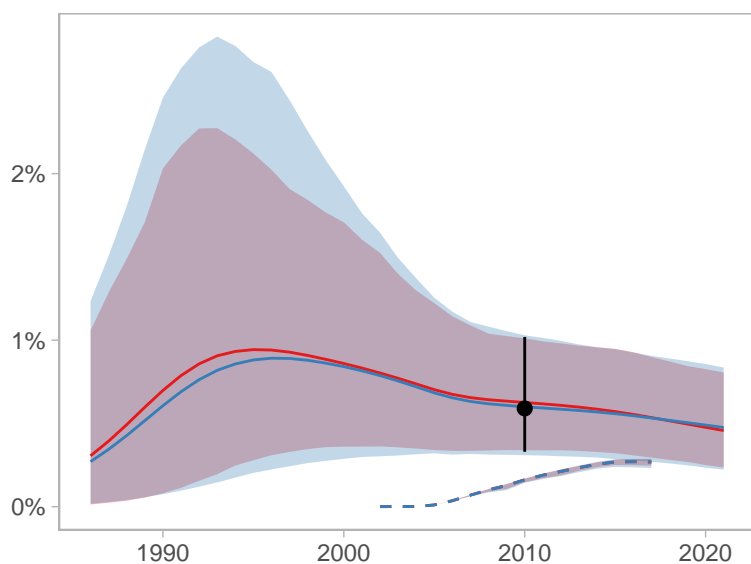
Adult (15+) ART coverage



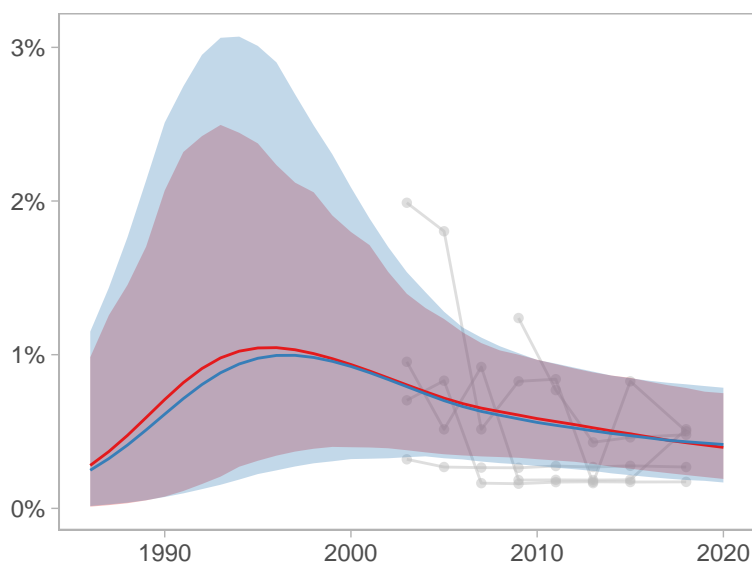
Model: — r-hybrid — r-spline

Eritrea – Rural

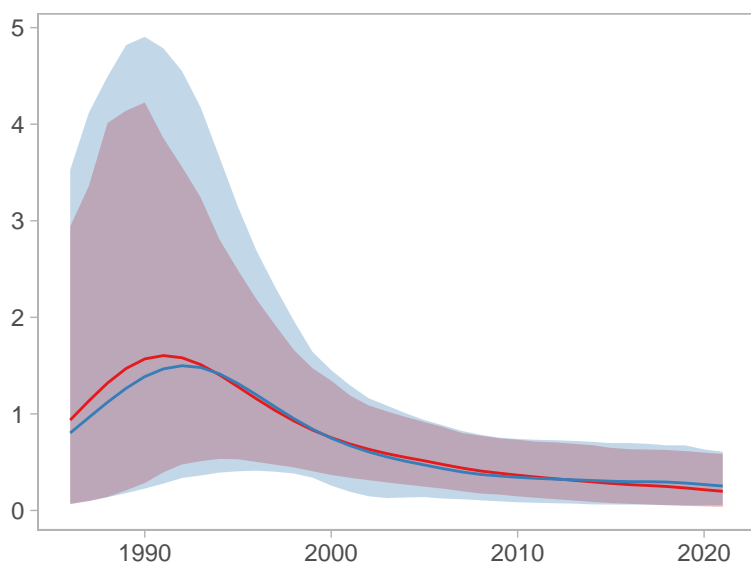
HIV prevalence



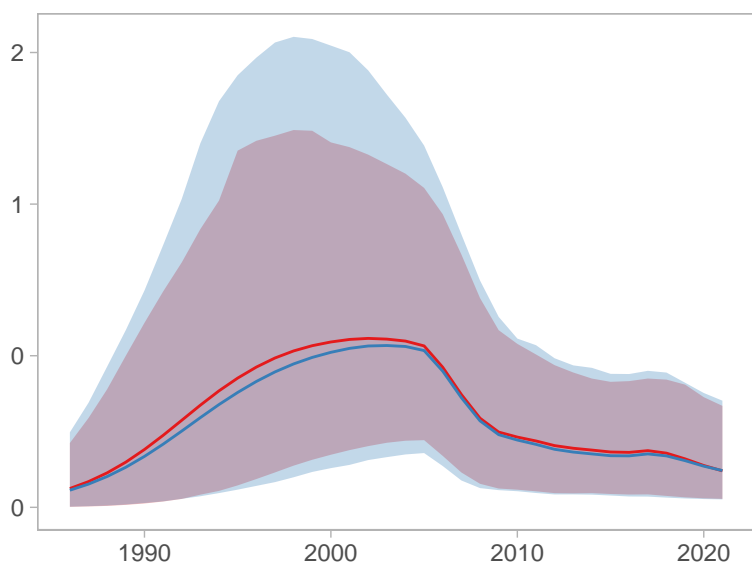
Pregnant women HIV prevalence



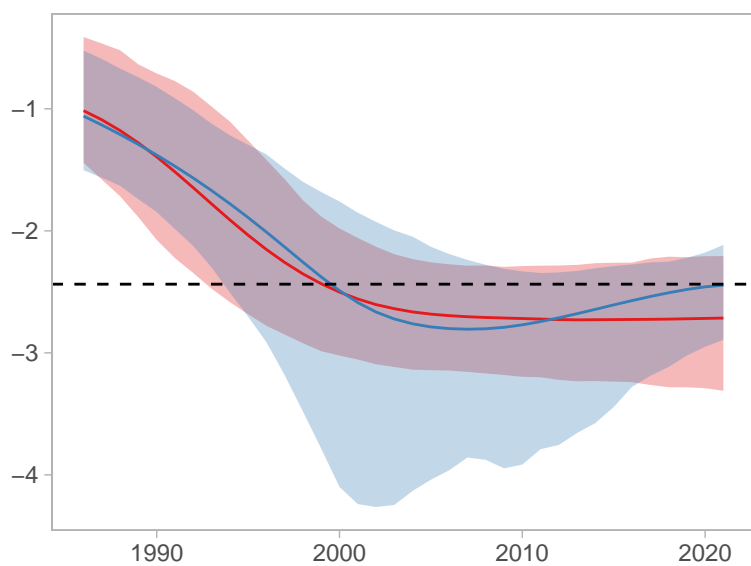
HIV incidence per 1000



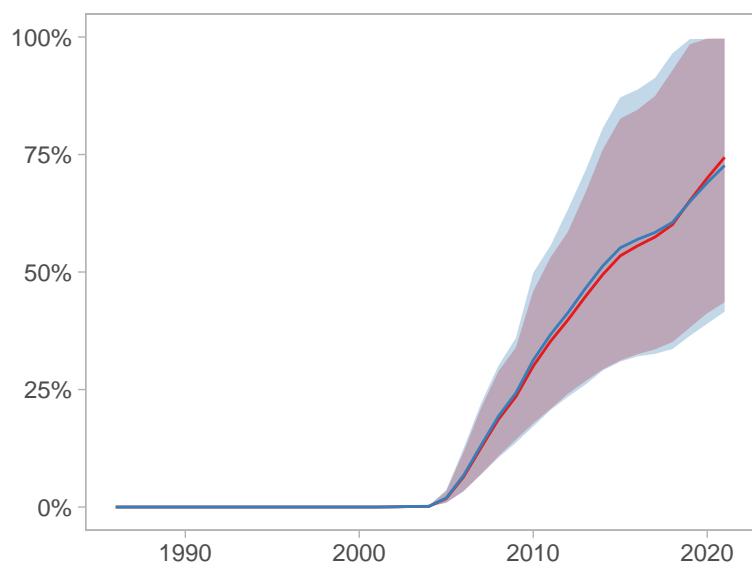
AIDS deaths per 1000 (age 15+)



log r(t)



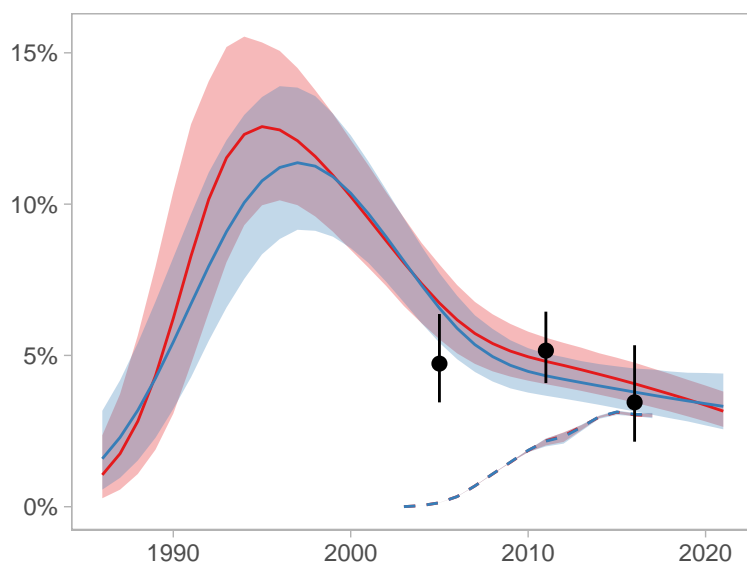
Adult (15+) ART coverage



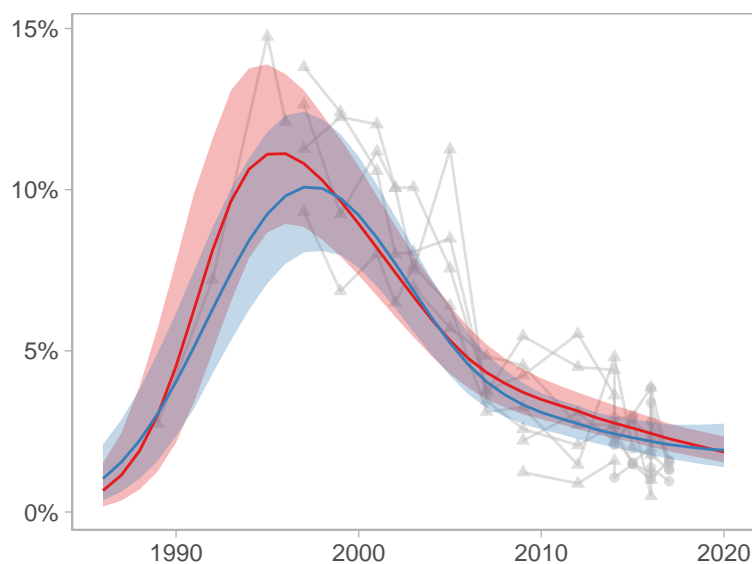
Model: — r-hybrid — r-spline

Ethiopia – Addis Abeba

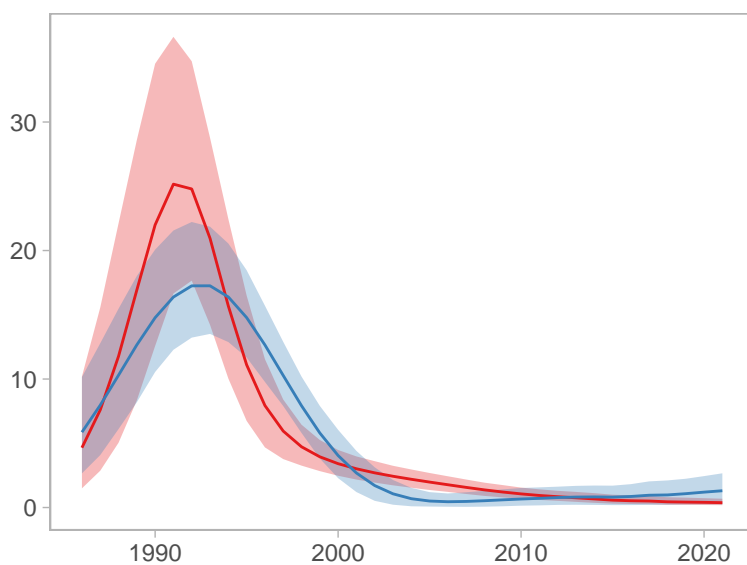
HIV prevalence



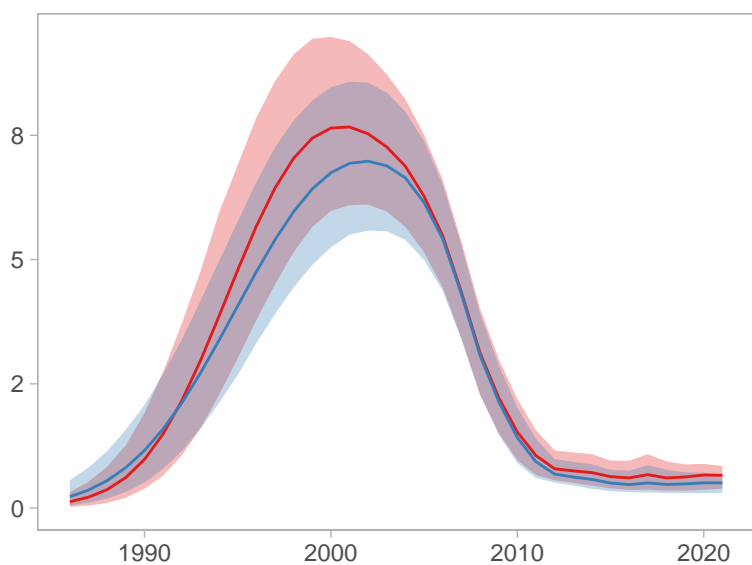
Pregnant women HIV prevalence



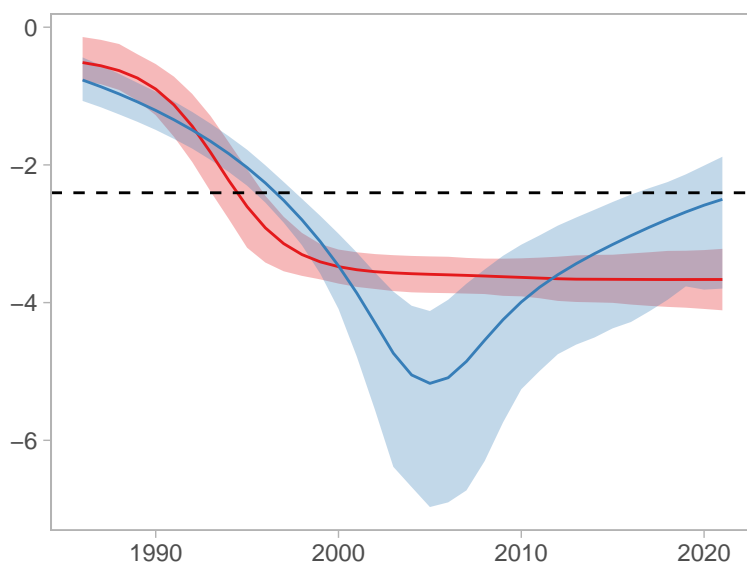
HIV incidence per 1000



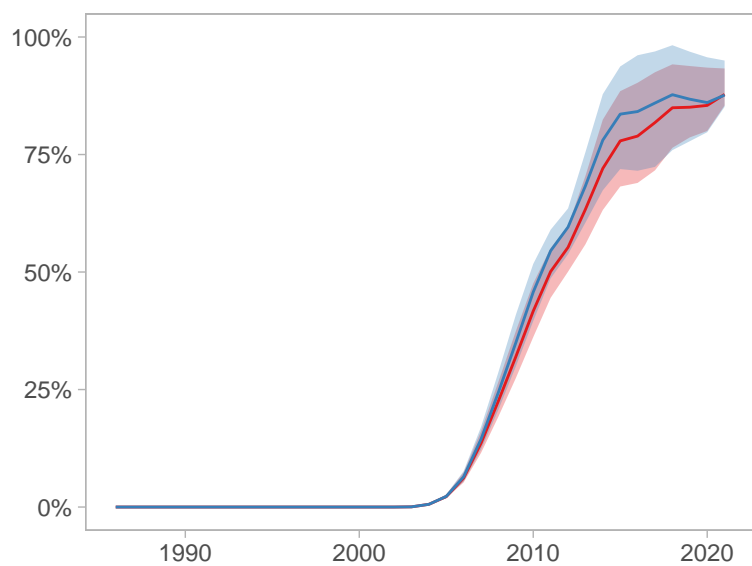
AIDS deaths per 1000 (age 15+)



log r(t)



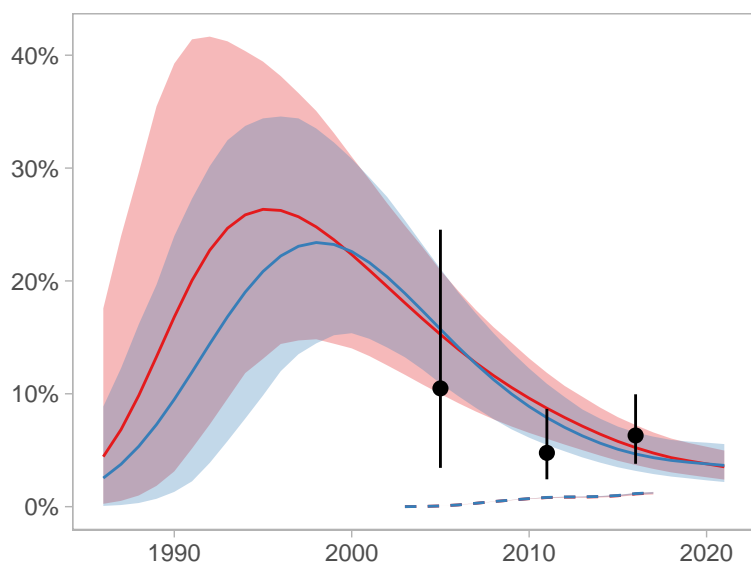
Adult (15+) ART coverage



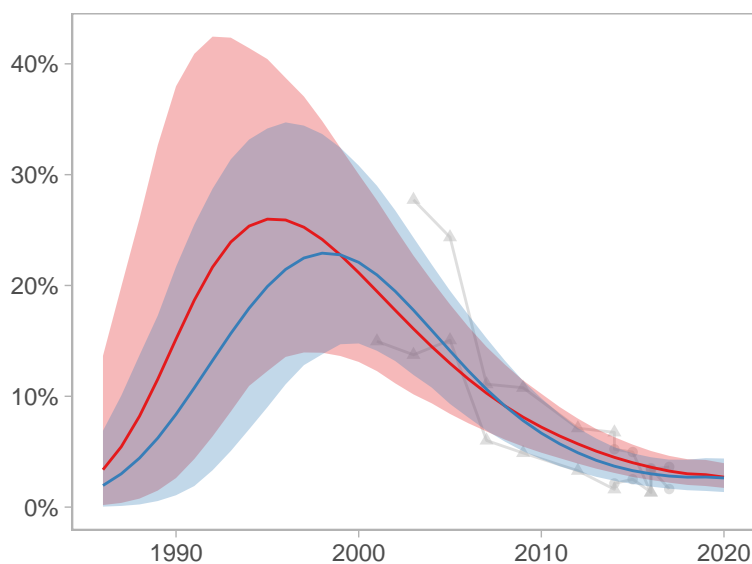
Model: — r-hybrid — r-spline

Ethiopia – Affar Urban

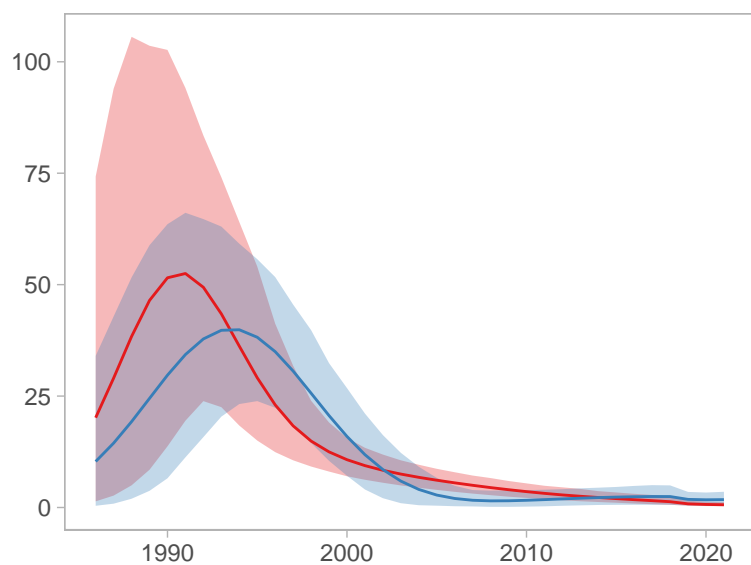
HIV prevalence



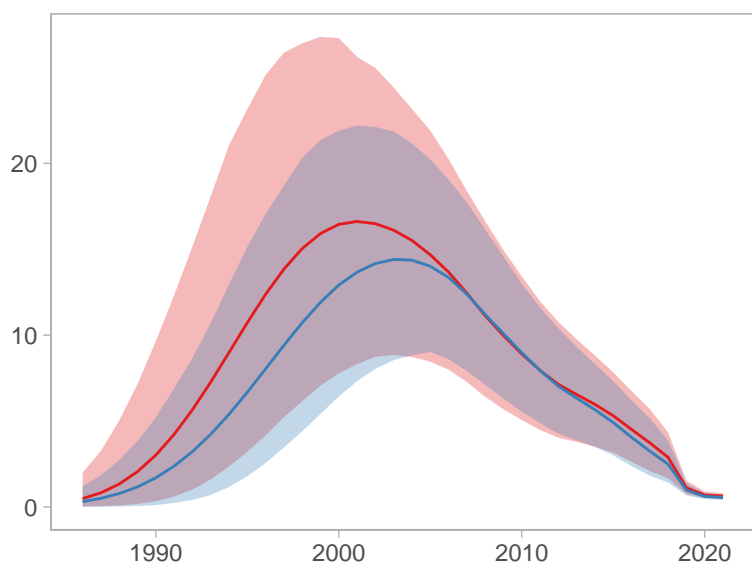
Pregnant women HIV prevalence



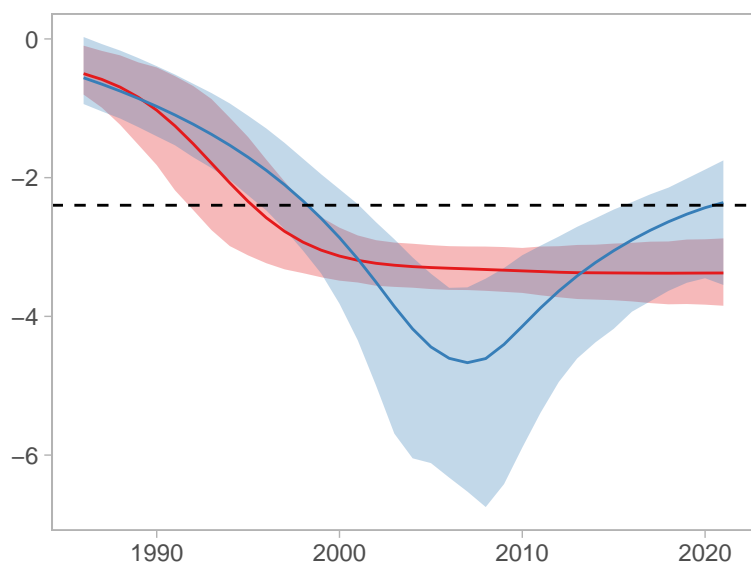
HIV incidence per 1000



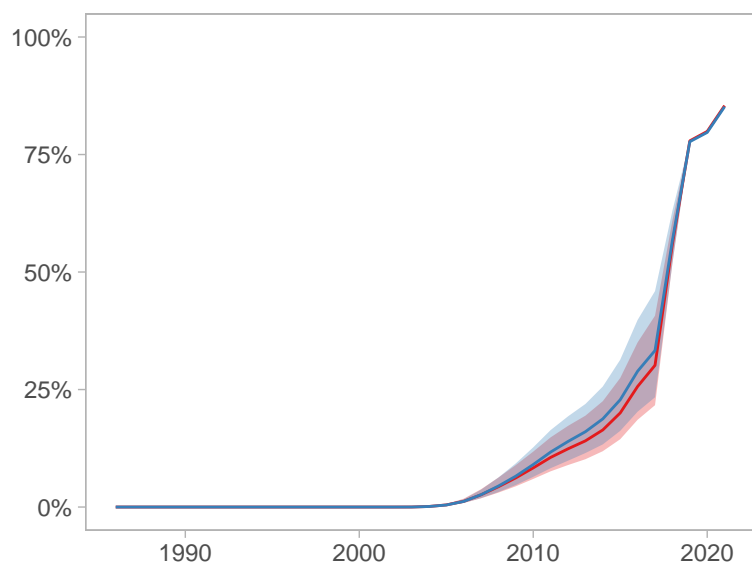
AIDS deaths per 1000 (age 15+)



log r(t)



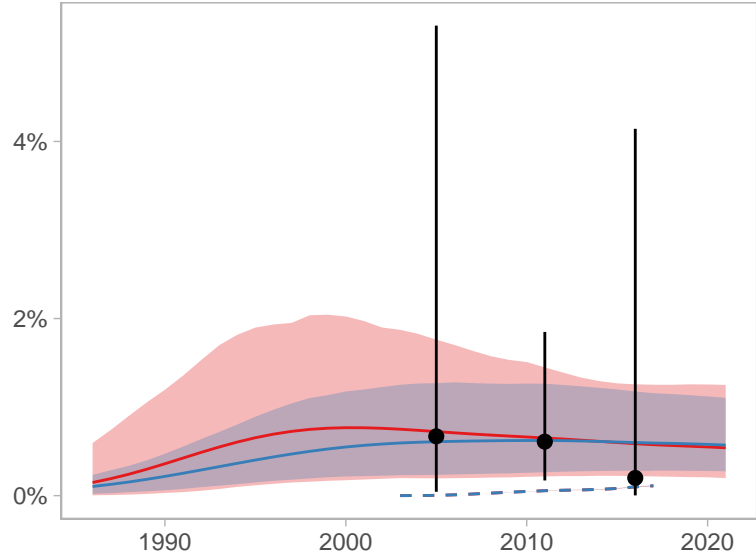
Adult (15+) ART coverage



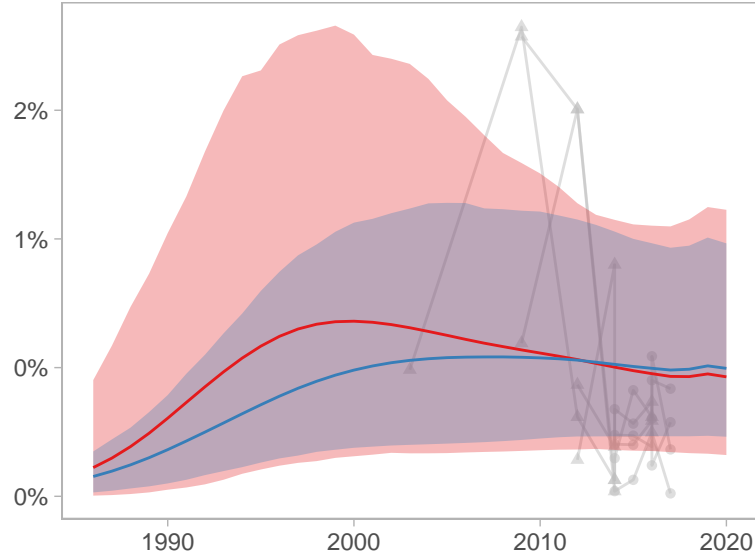
Model: — r-hybrid — r-spline

Ethiopia – Affar Rural

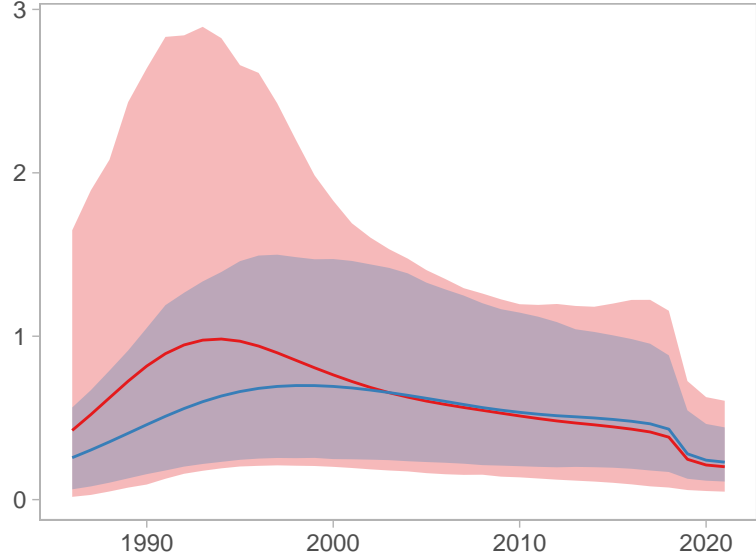
HIV prevalence



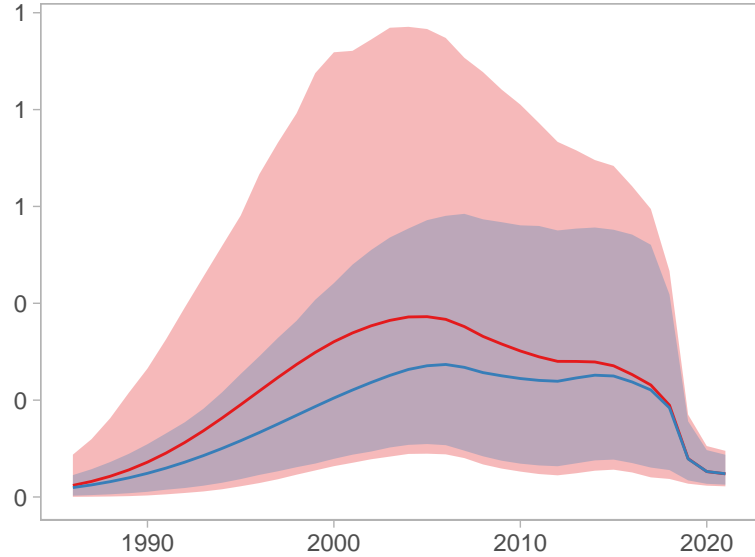
Pregnant women HIV prevalence



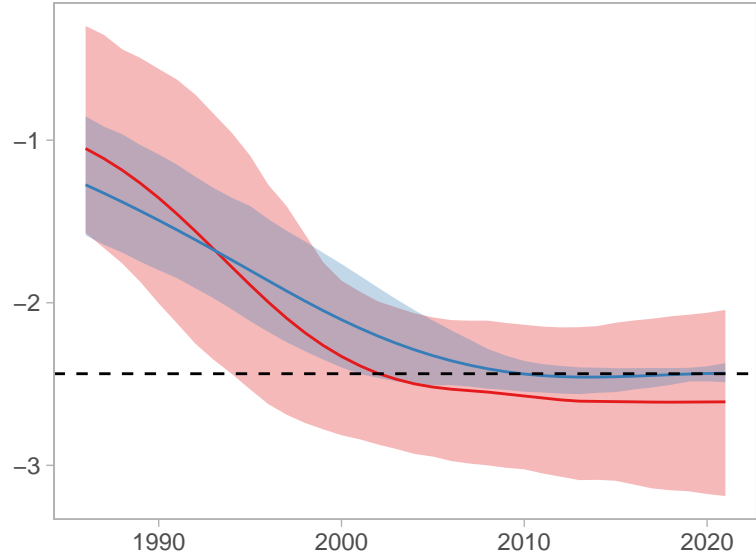
HIV incidence per 1000



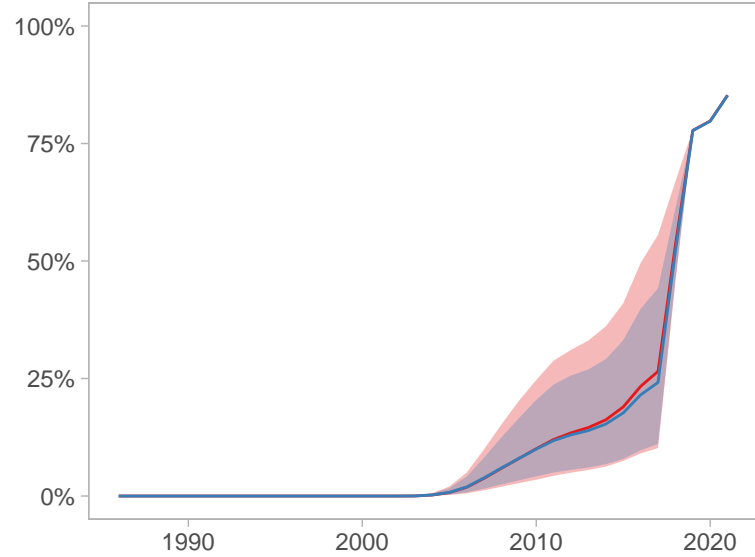
AIDS deaths per 1000 (age 15+)



log r(t)



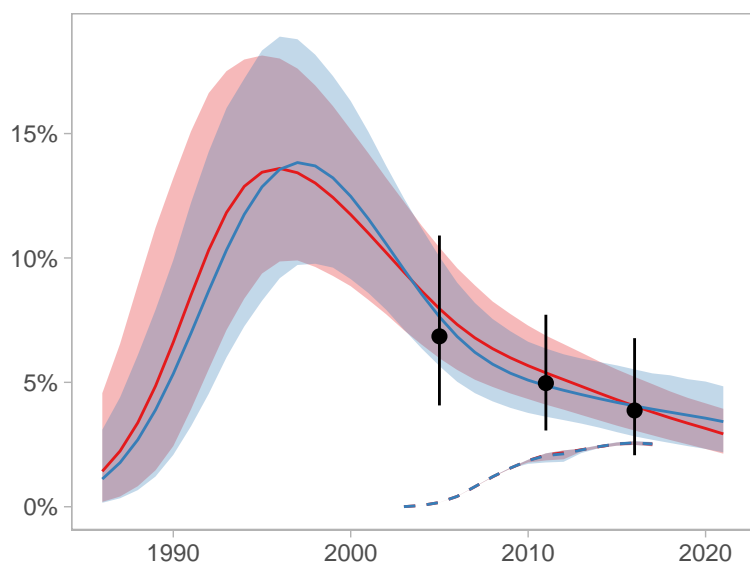
Adult (15+) ART coverage



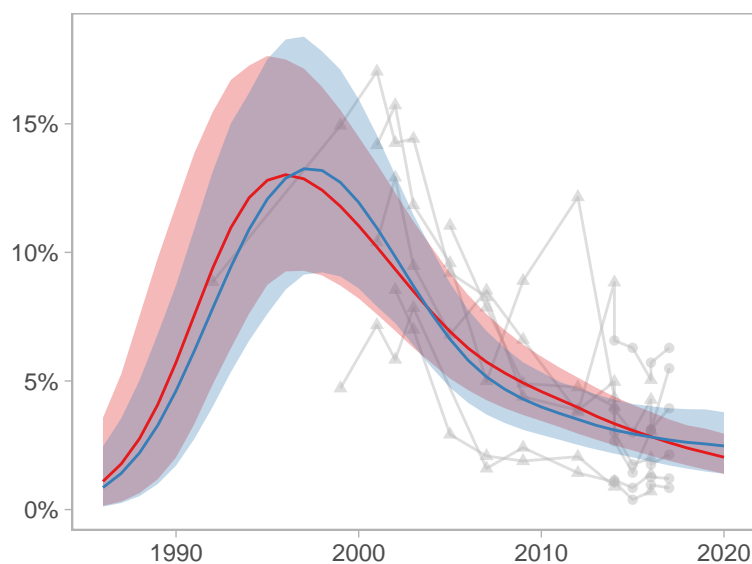
Model: r-hybrid r-spline

Ethiopia – Amhara Urban

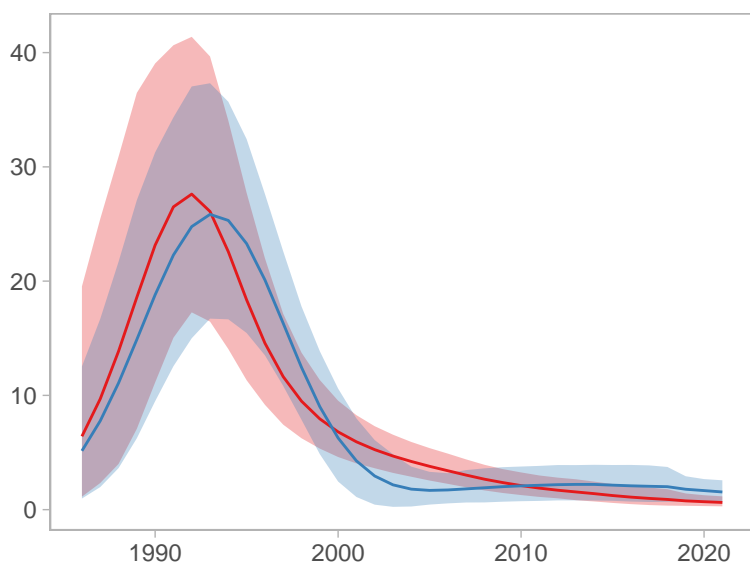
HIV prevalence



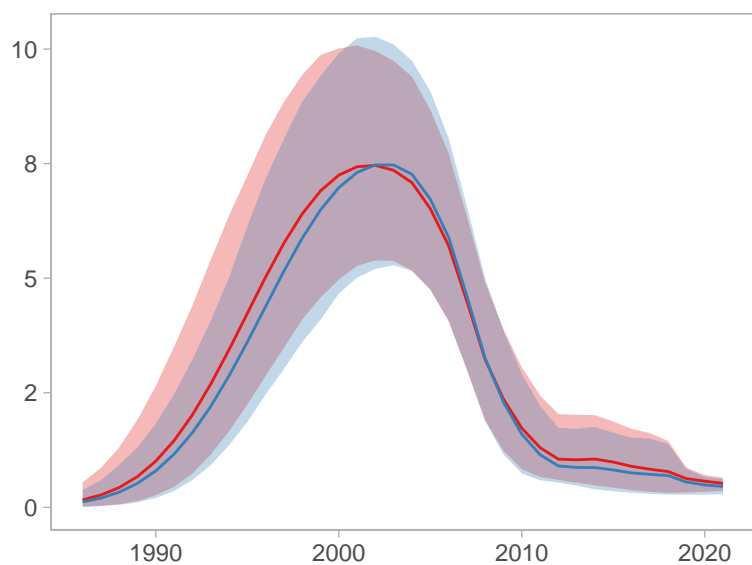
Pregnant women HIV prevalence



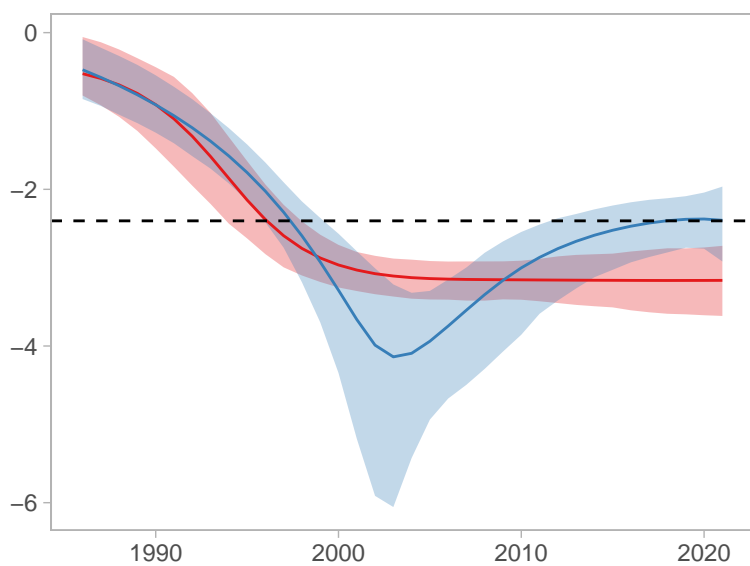
HIV incidence per 1000



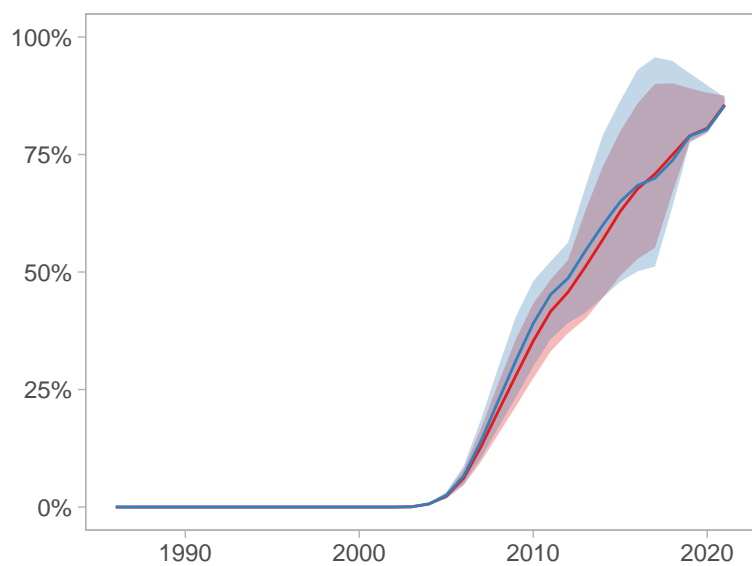
AIDS deaths per 1000 (age 15+)



log r(t)



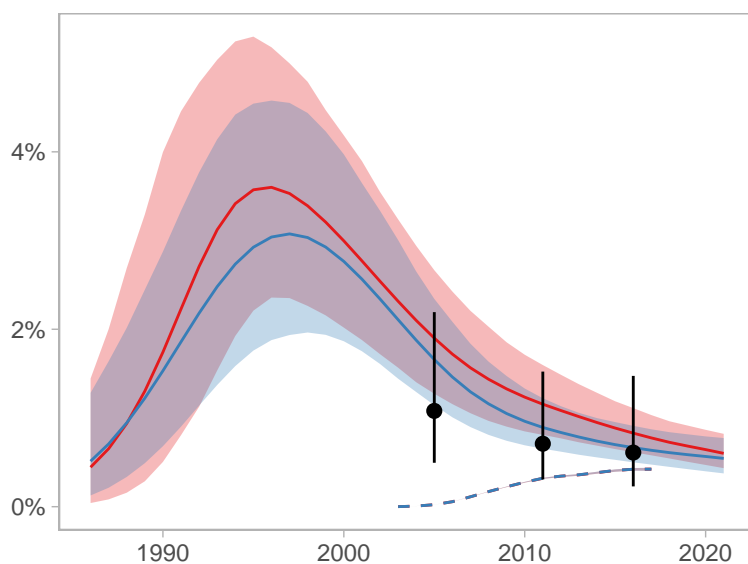
Adult (15+) ART coverage



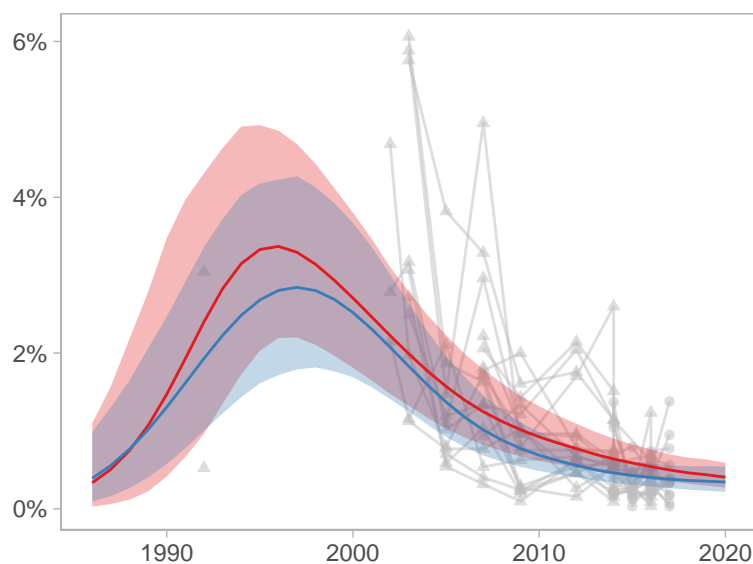
Model: — r-hybrid — r-spline

Ethiopia – Amhara Rural

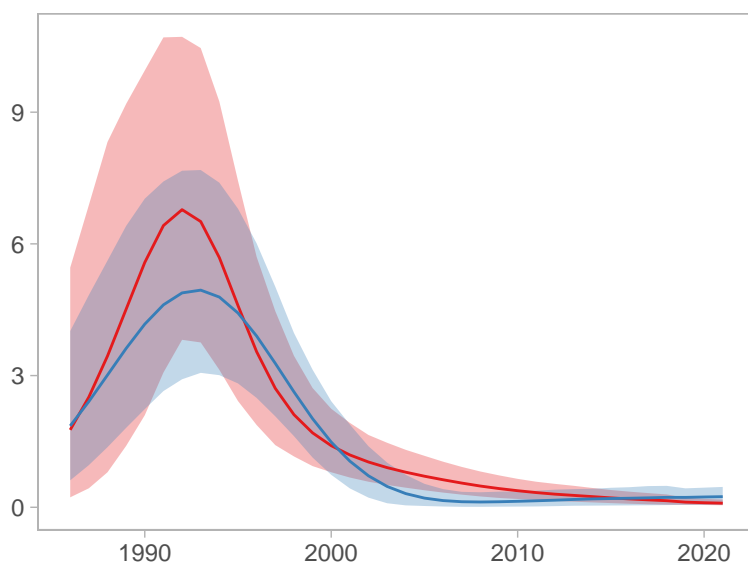
HIV prevalence



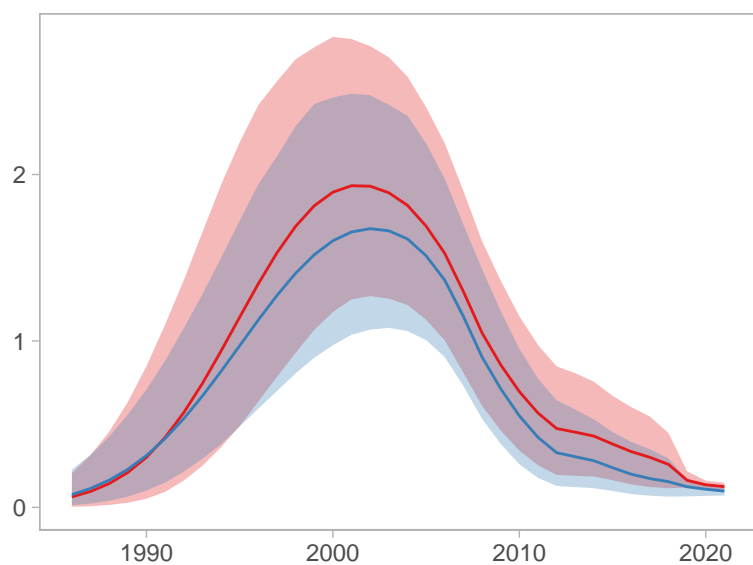
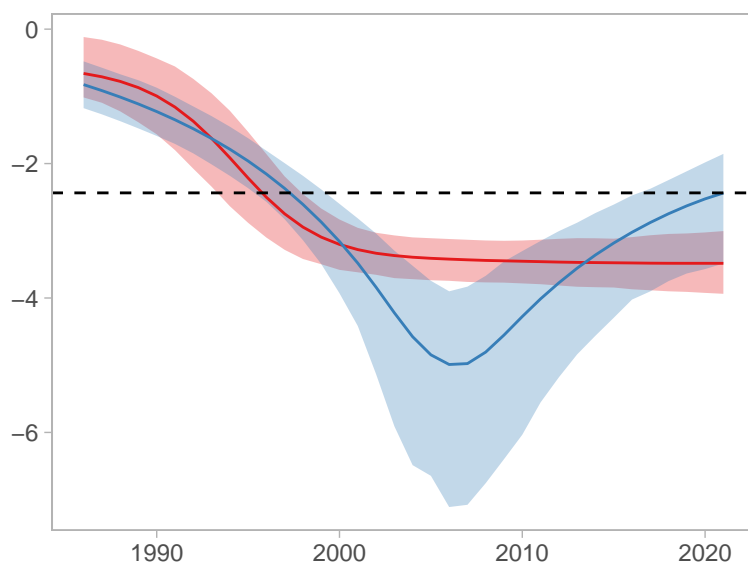
Pregnant women HIV prevalence



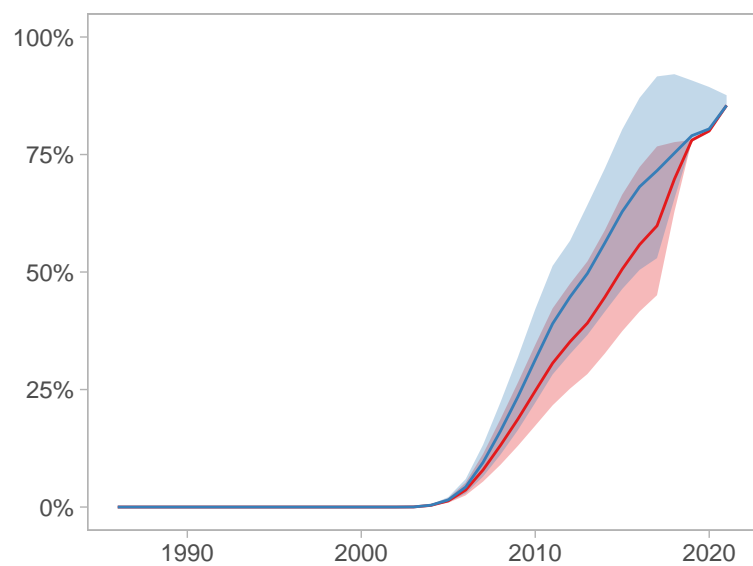
HIV incidence per 1000



AIDS deaths per 1000 (age 15+)

 $\log r(t)$ 

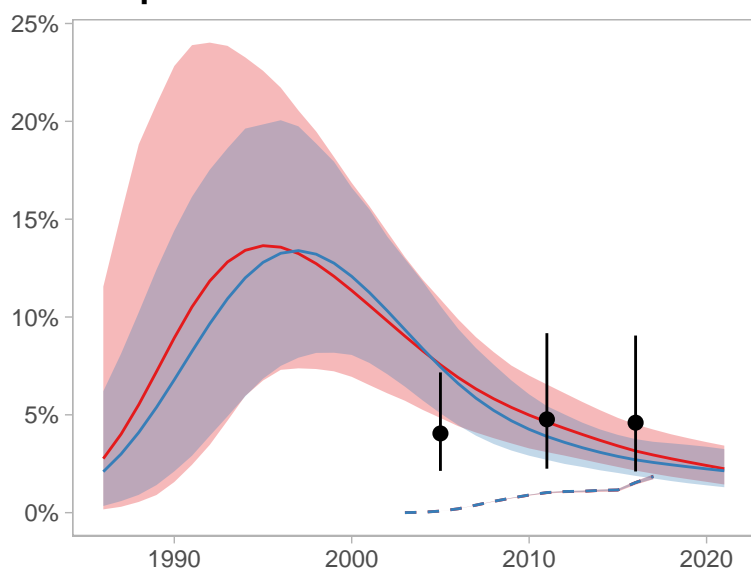
Adult (15+) ART coverage



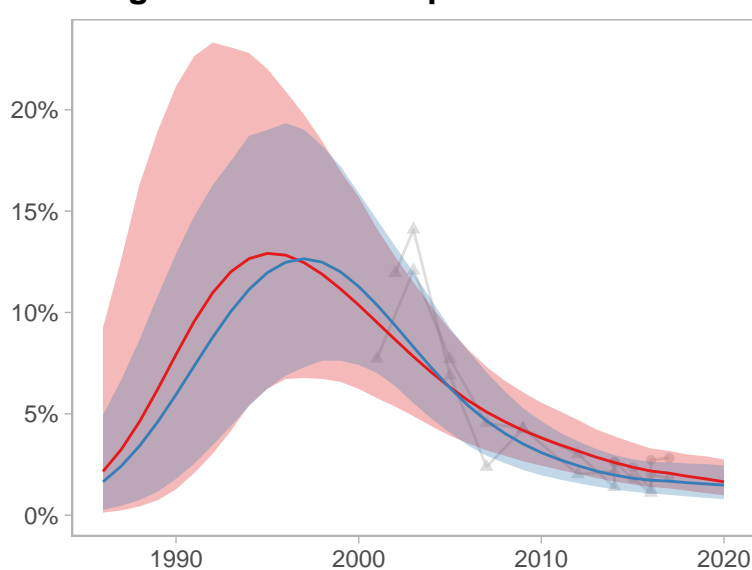
Model: r-hybrid r-spline

Ethiopia – Benis Gumz Urban

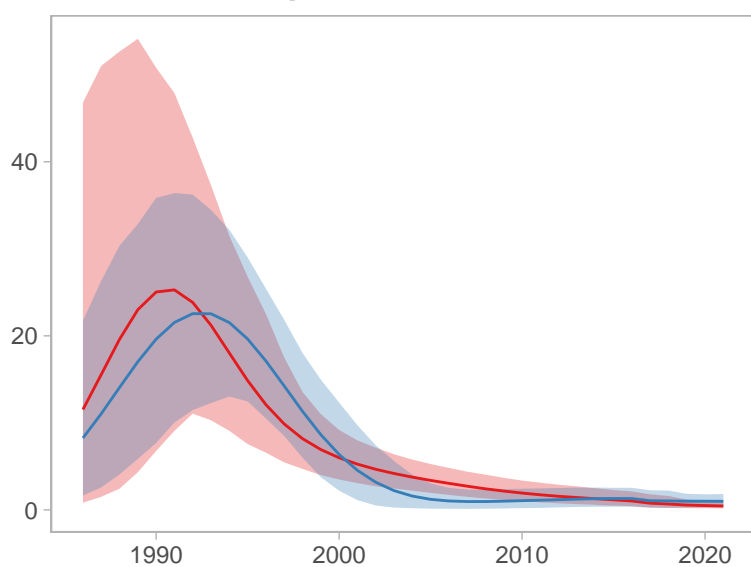
HIV prevalence



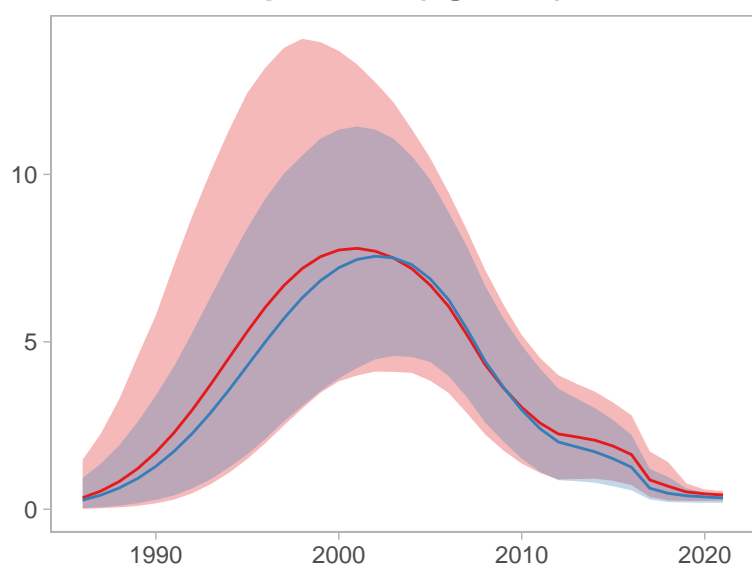
Pregnant women HIV prevalence



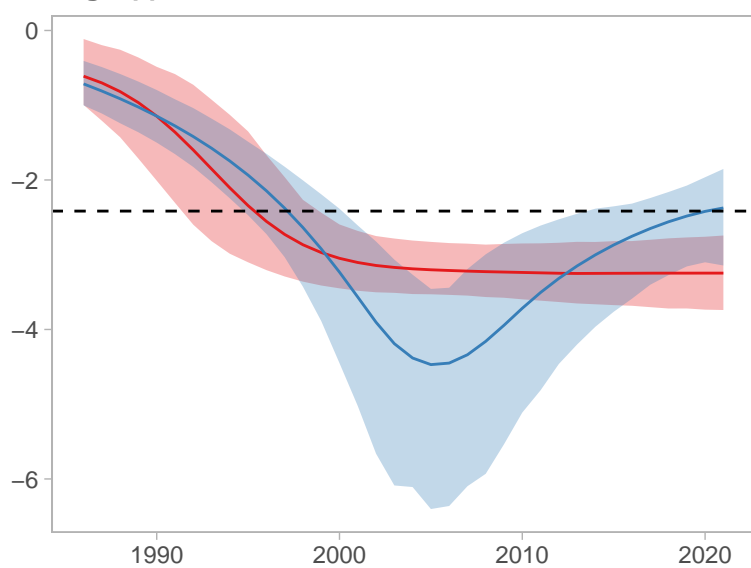
HIV incidence per 1000



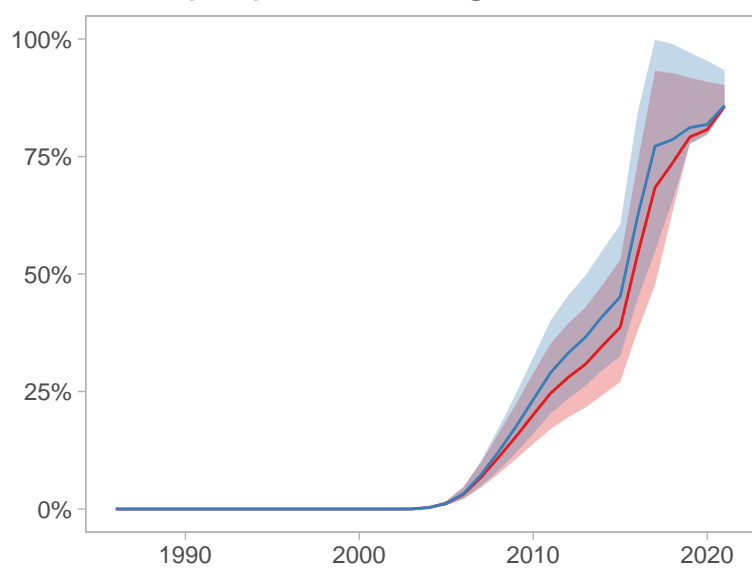
AIDS deaths per 1000 (age 15+)



log r(t)



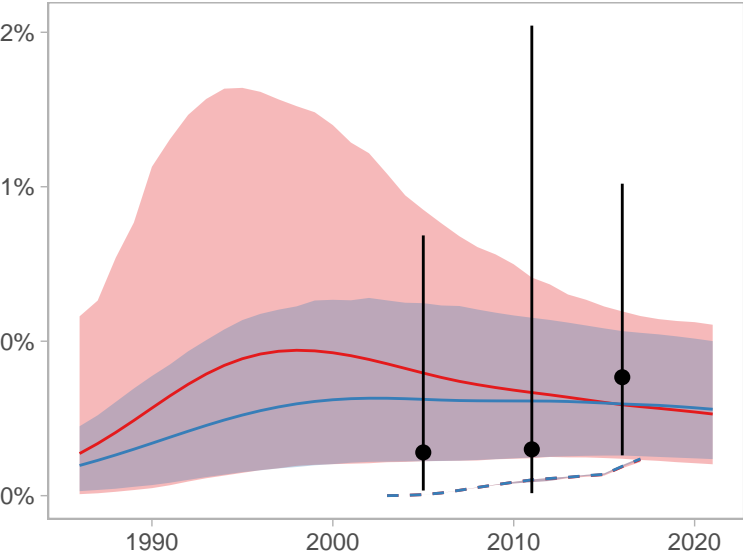
Adult (15+) ART coverage



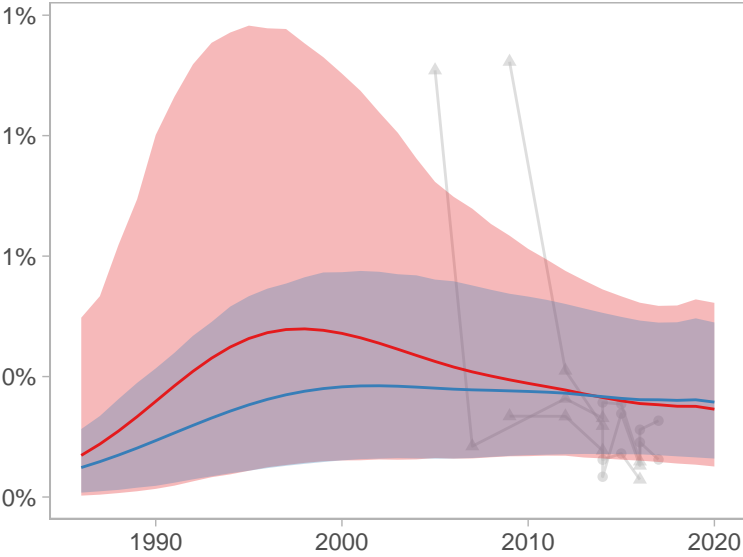
Model: — r-hybrid — r-spline

Ethiopia – Benis Gumz Rural

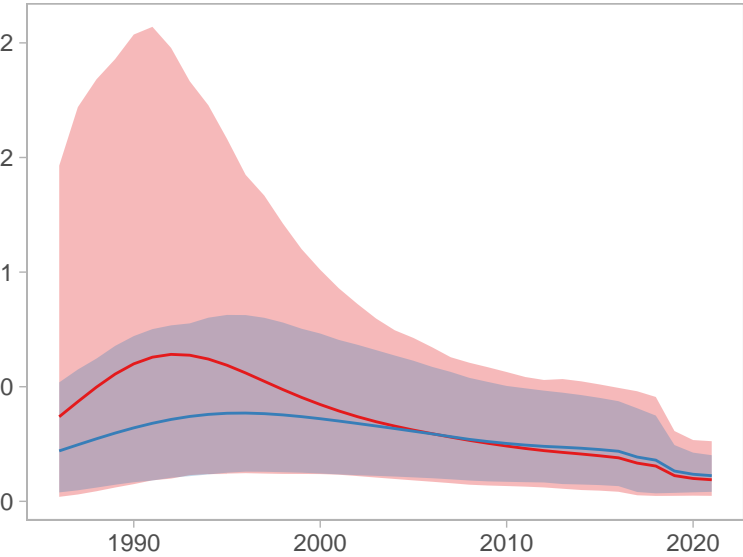
HIV prevalence



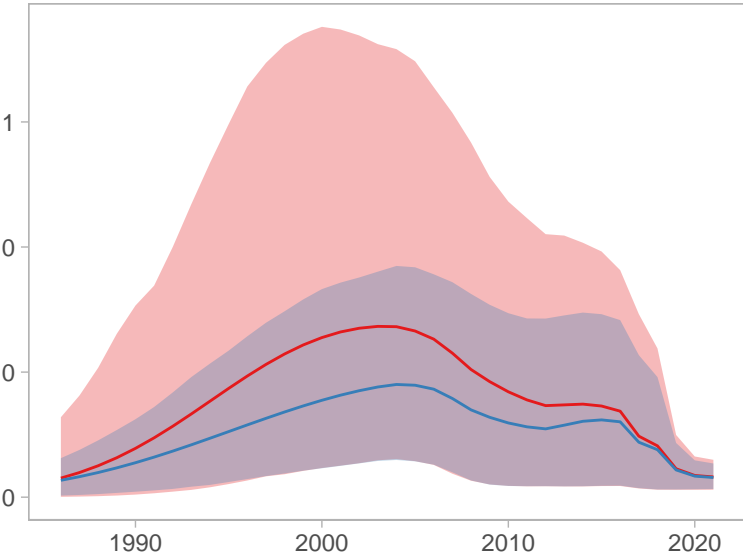
Pregnant women HIV prevalence



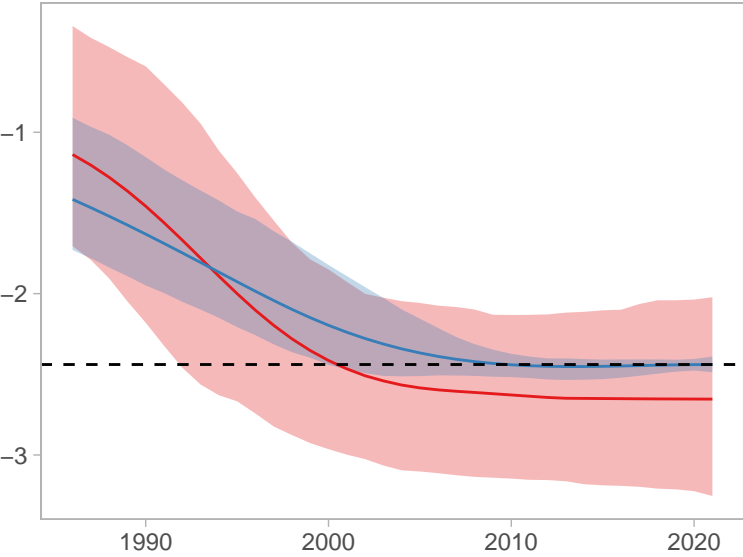
HIV incidence per 1000



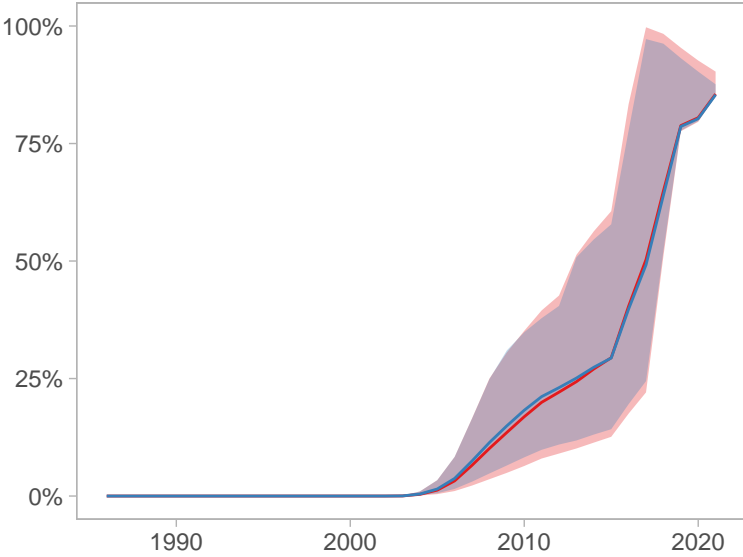
AIDS deaths per 1000 (age 15+)



log r(t)



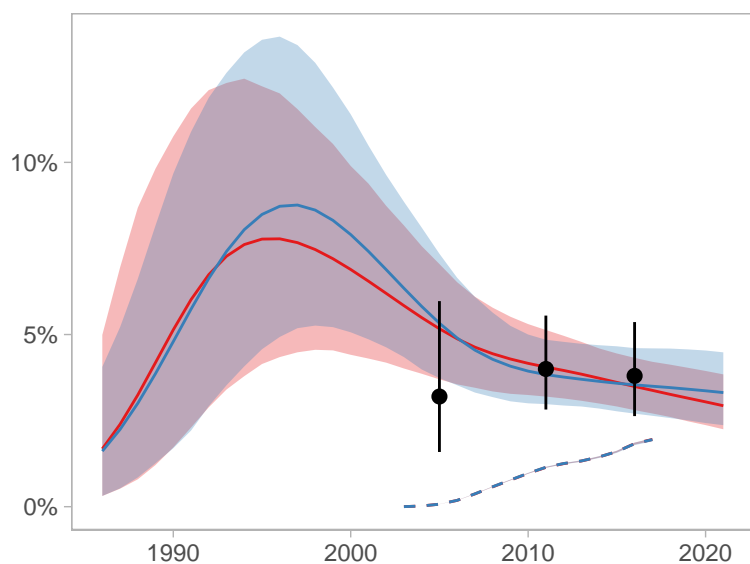
Adult (15+) ART coverage



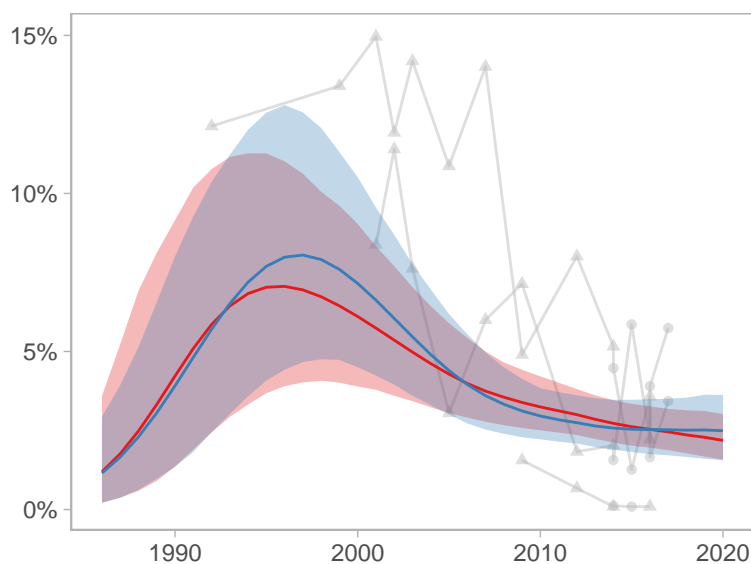
Model: — r-hybrid — r-spline

Ethiopia – Dire Dawa

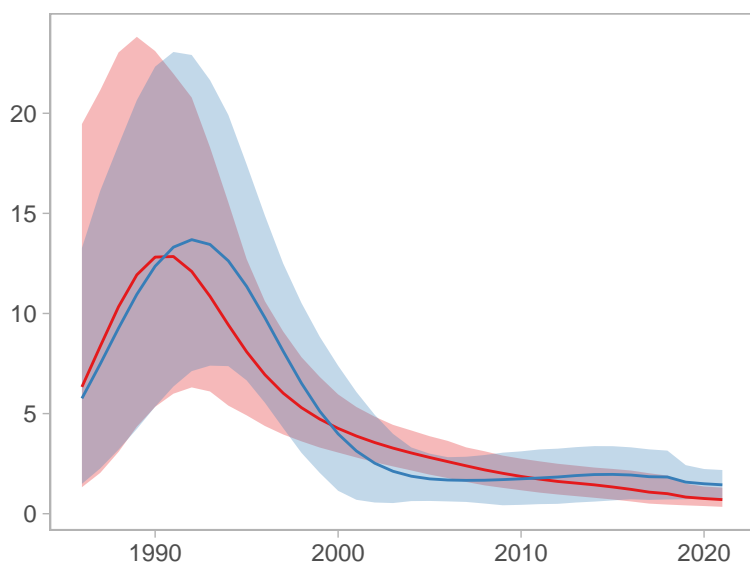
HIV prevalence



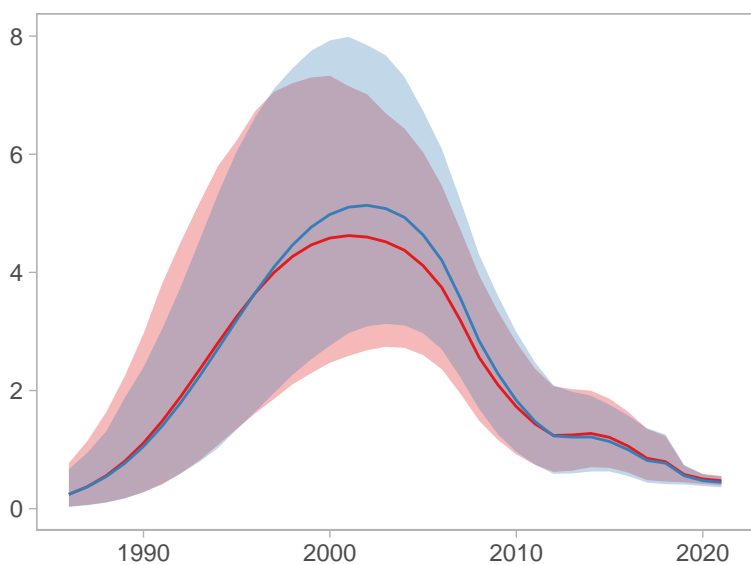
Pregnant women HIV prevalence



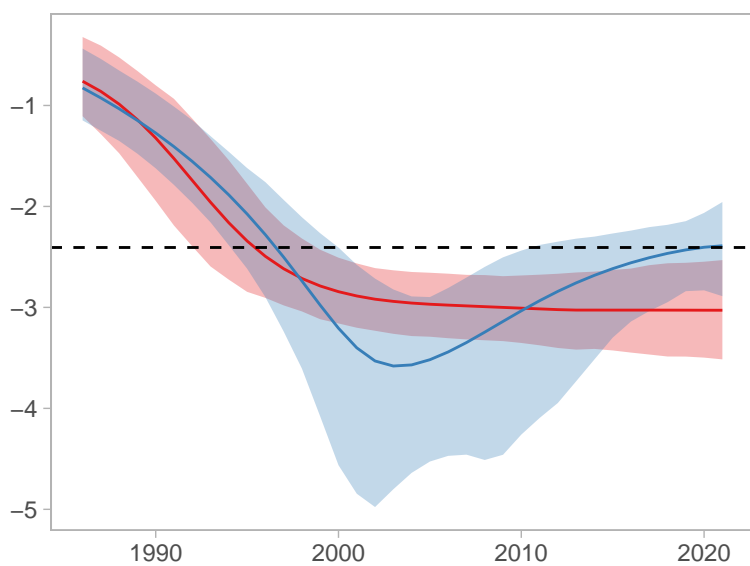
HIV incidence per 1000



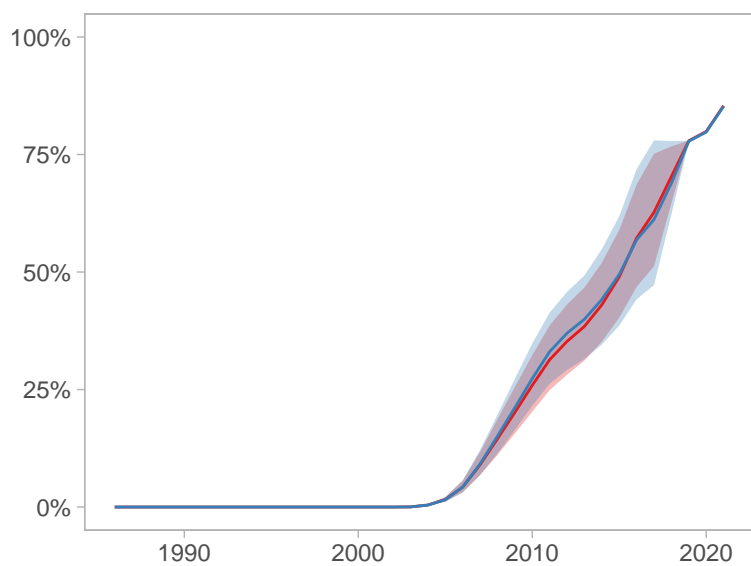
AIDS deaths per 1000 (age 15+)



log r(t)



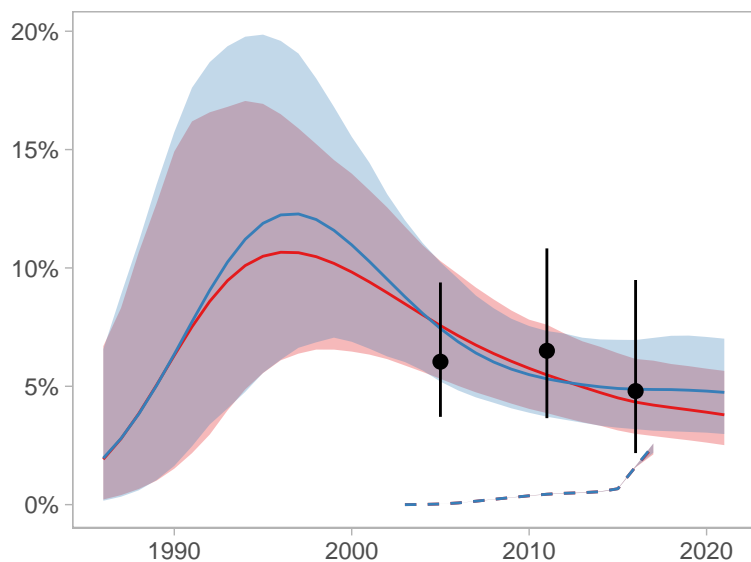
Adult (15+) ART coverage



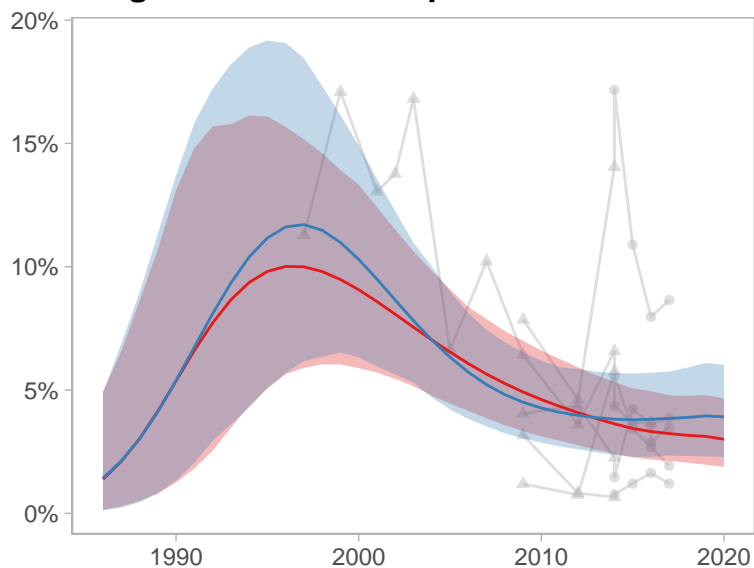
Model: — r-hybrid — r-spline

Ethiopia – Gambela

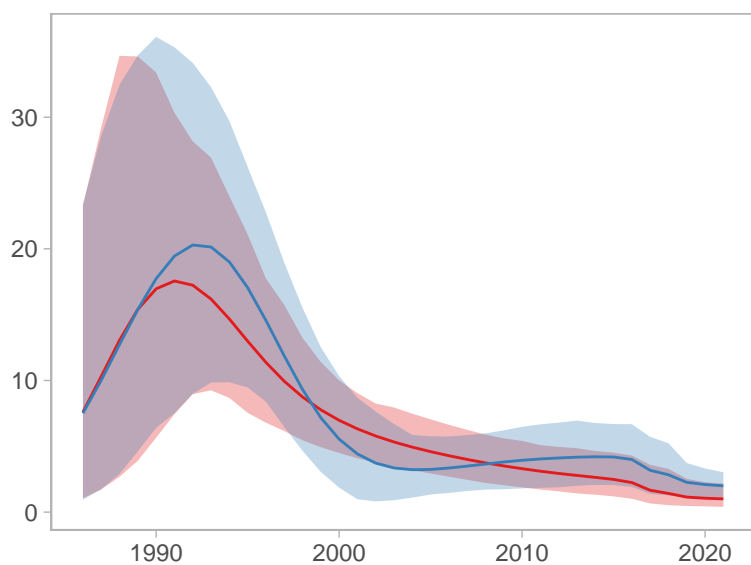
HIV prevalence



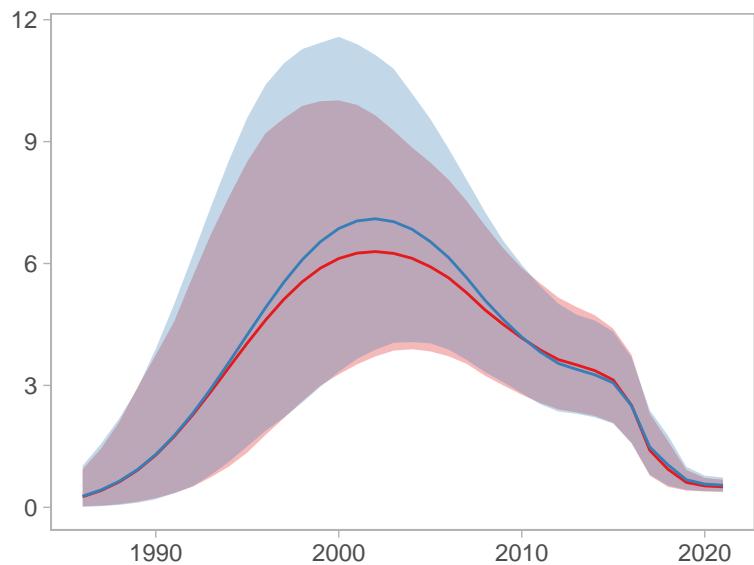
Pregnant women HIV prevalence



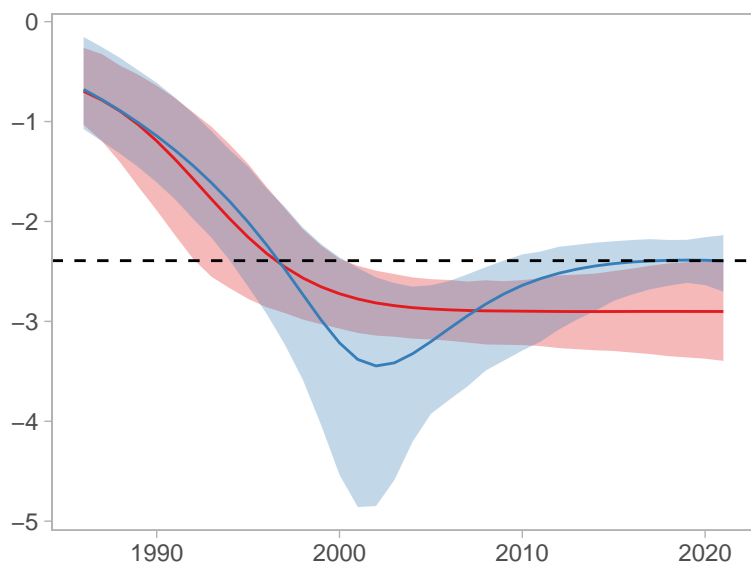
HIV incidence per 1000



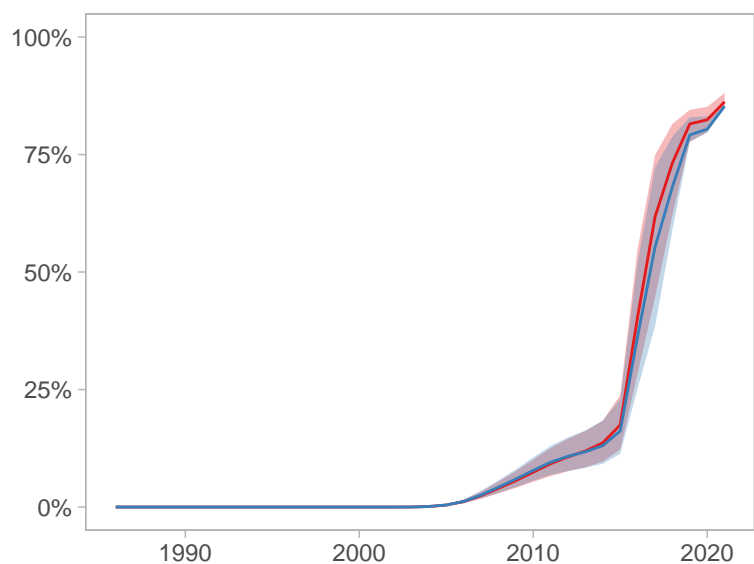
AIDS deaths per 1000 (age 15+)



log r(t)



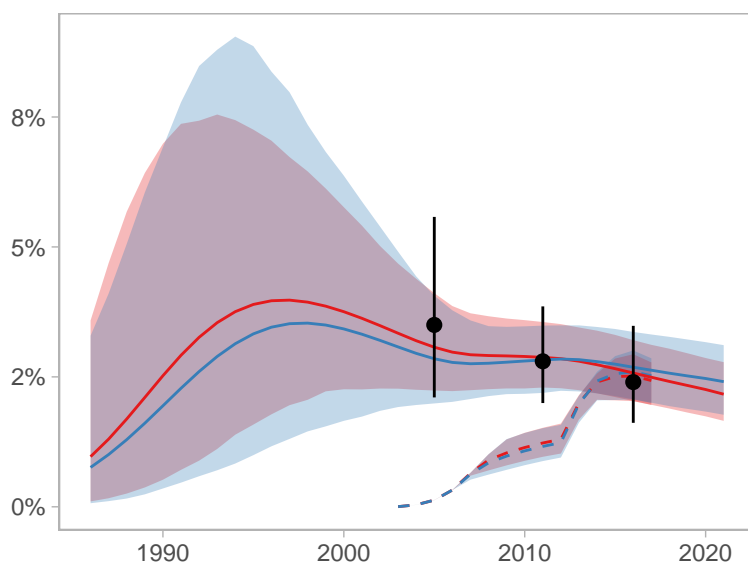
Adult (15+) ART coverage



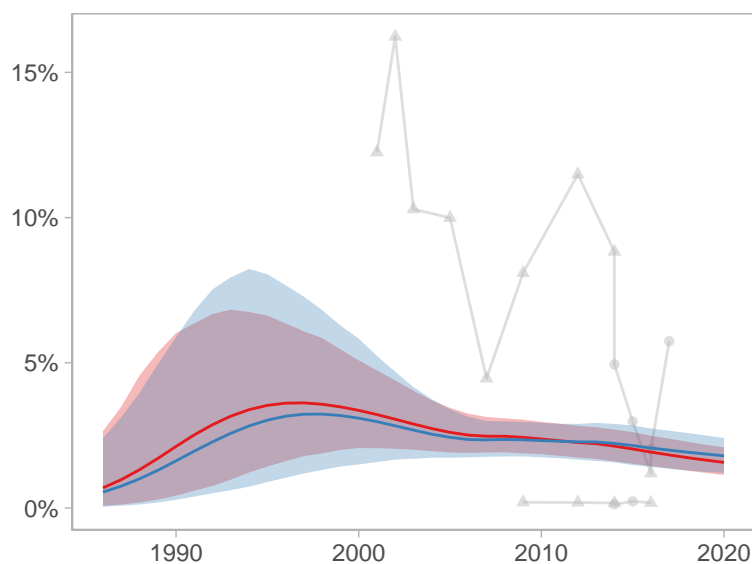
Model: — r-hybrid — r-spline

Ethiopia – Harari

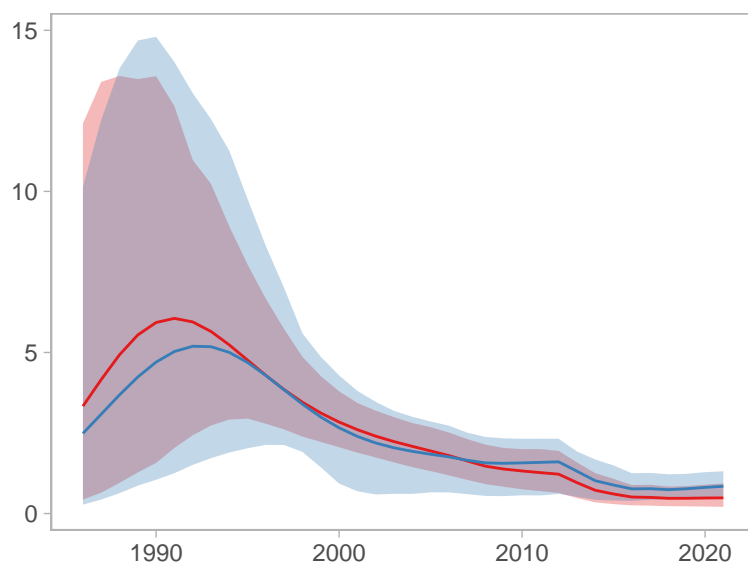
HIV prevalence



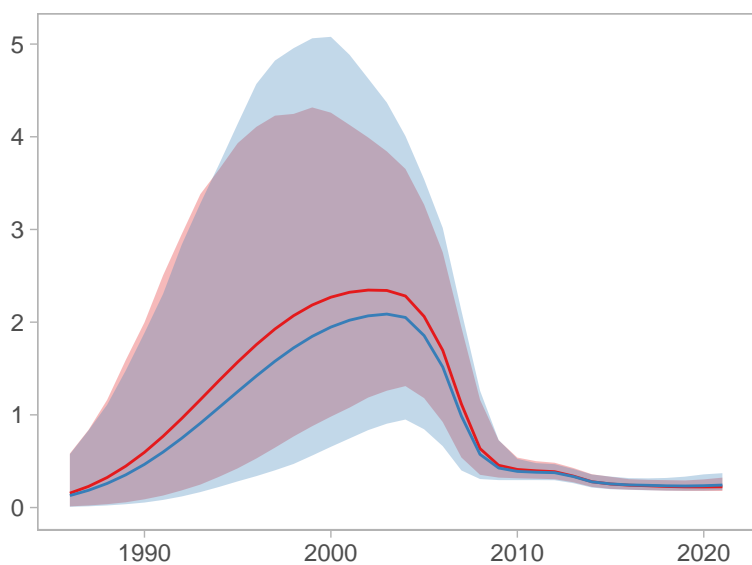
Pregnant women HIV prevalence



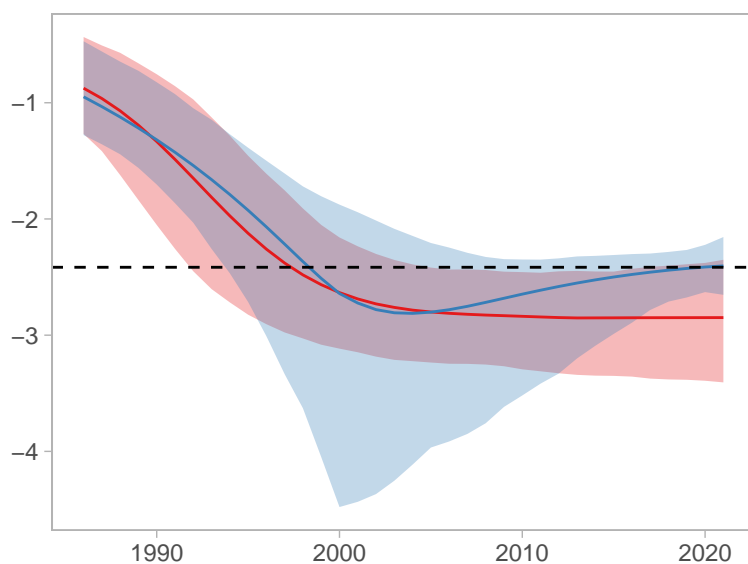
HIV incidence per 1000



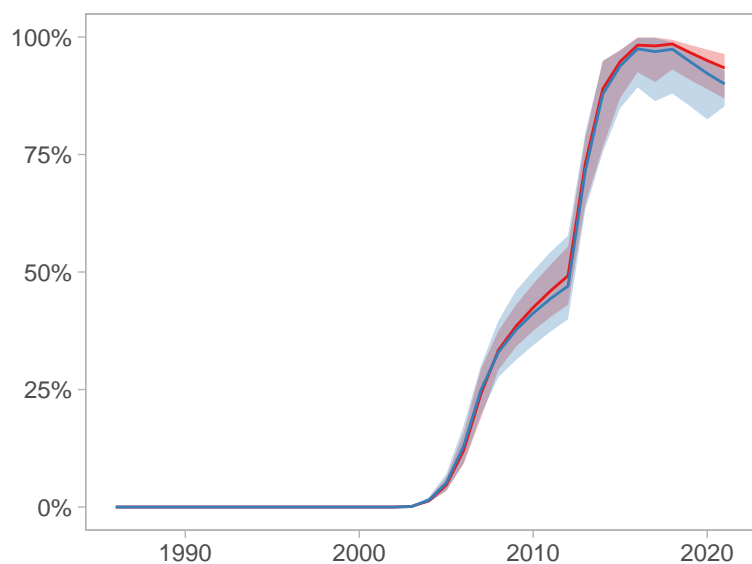
AIDS deaths per 1000 (age 15+)



log r(t)



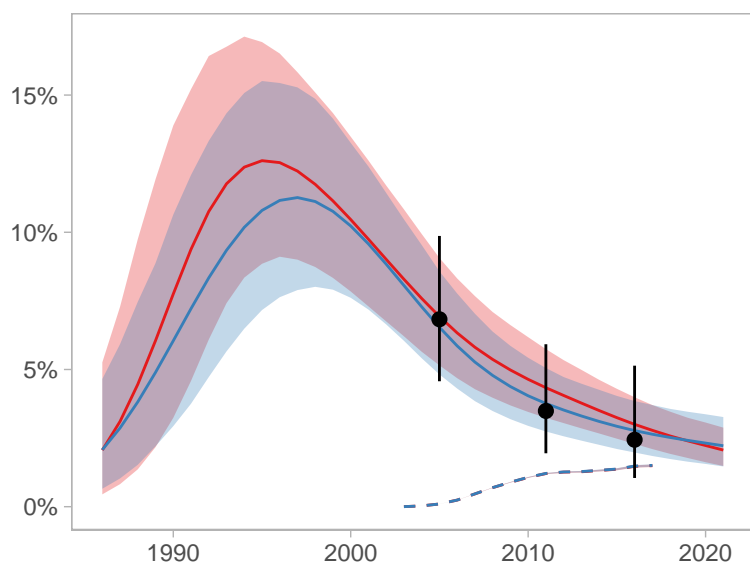
Adult (15+) ART coverage



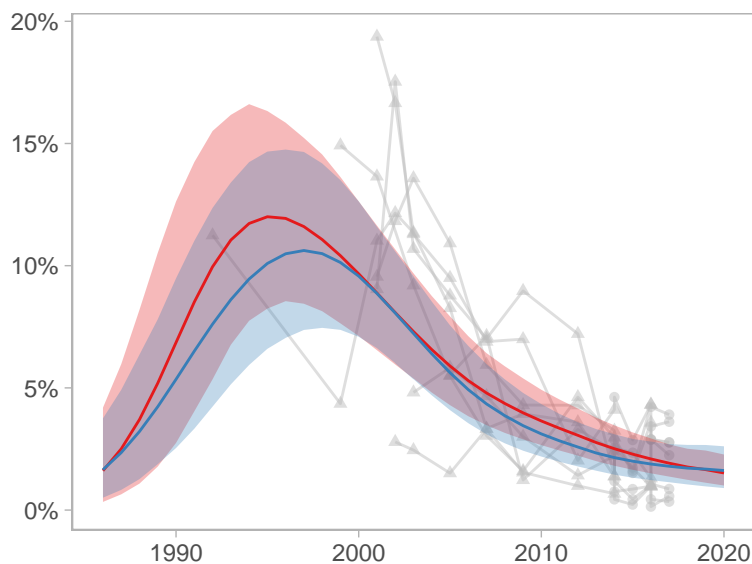
Model: — r-hybrid — r-spline

Ethiopia – Oromiya Urban

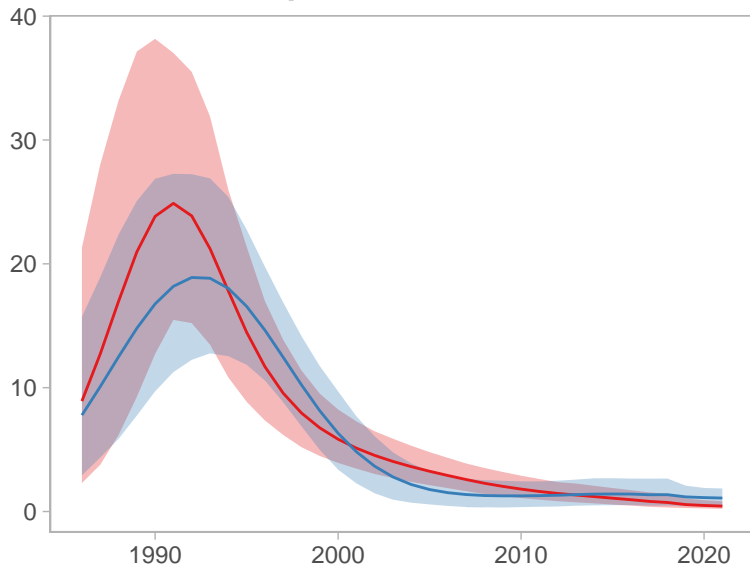
HIV prevalence



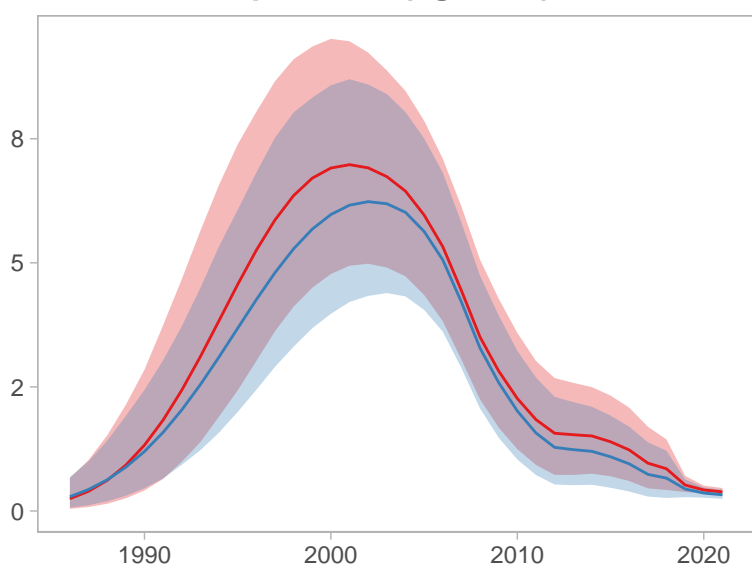
Pregnant women HIV prevalence



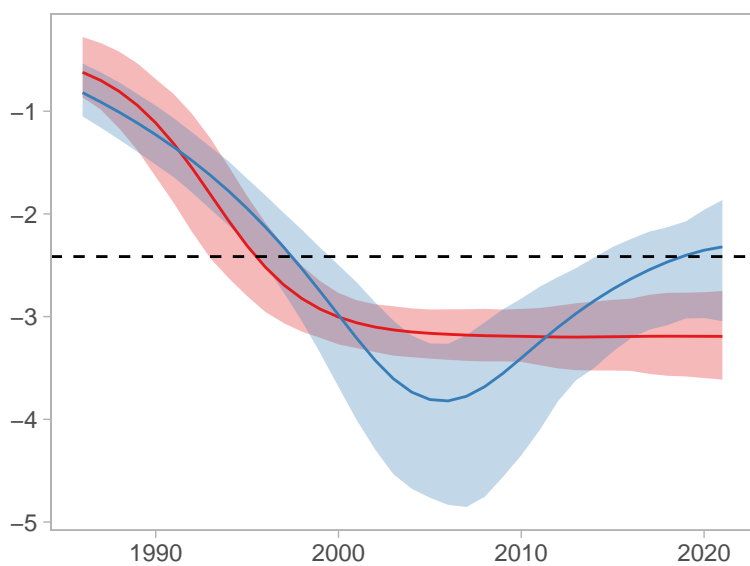
HIV incidence per 1000



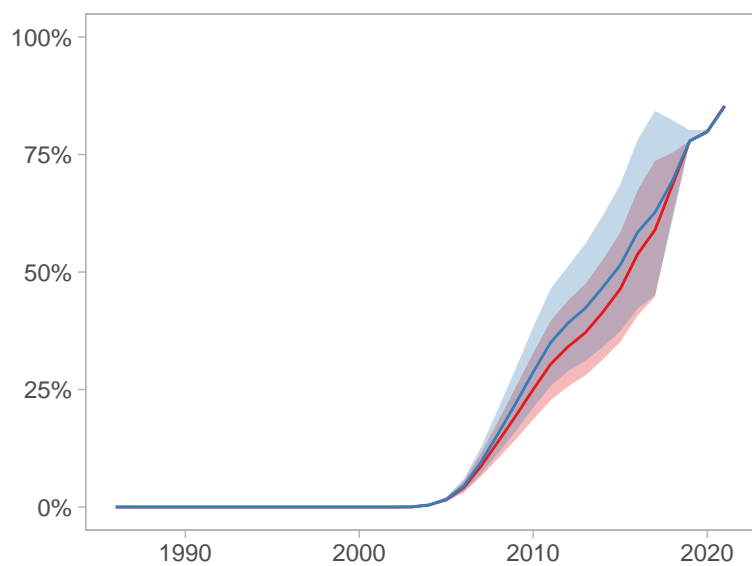
AIDS deaths per 1000 (age 15+)



log r(t)



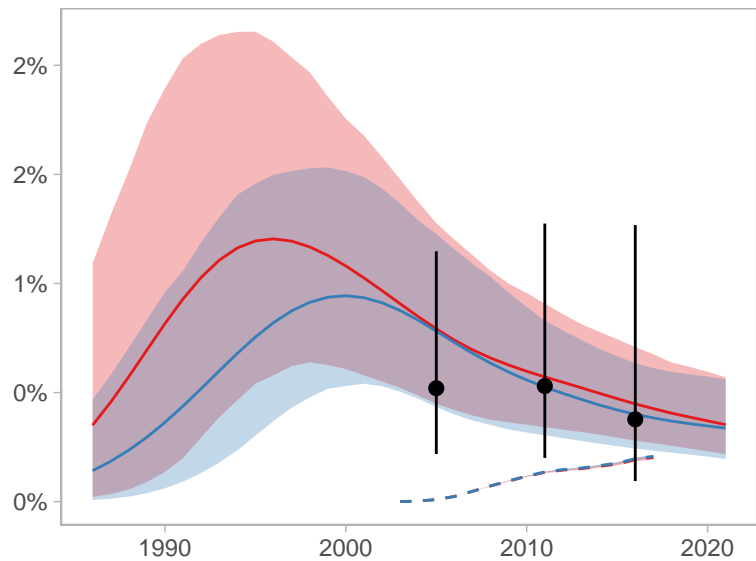
Adult (15+) ART coverage



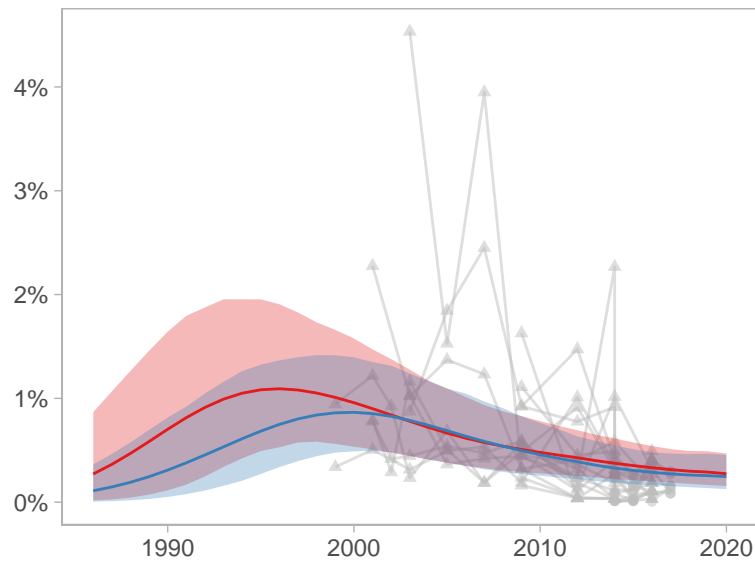
Model: — r-hybrid — r-spline

Ethiopia – Oromiya Rural

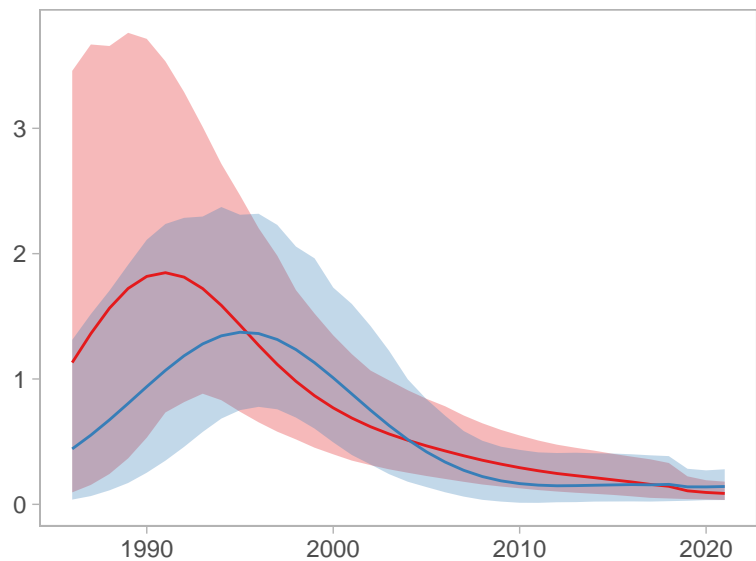
HIV prevalence



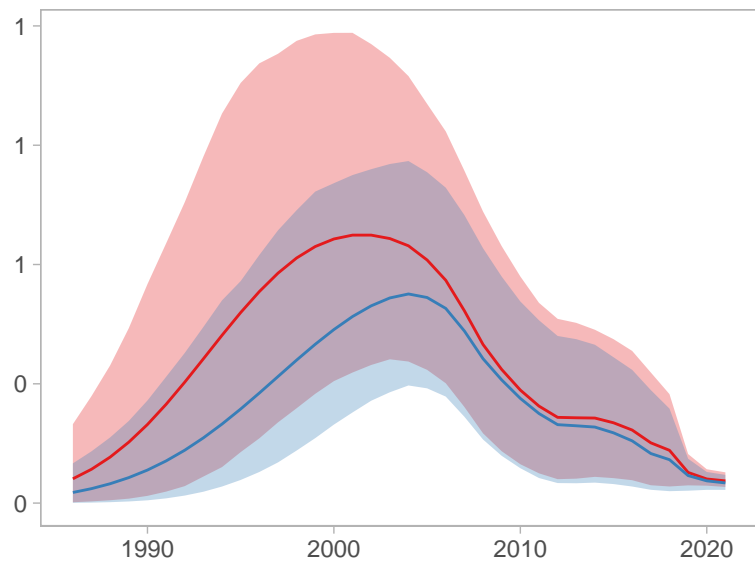
Pregnant women HIV prevalence



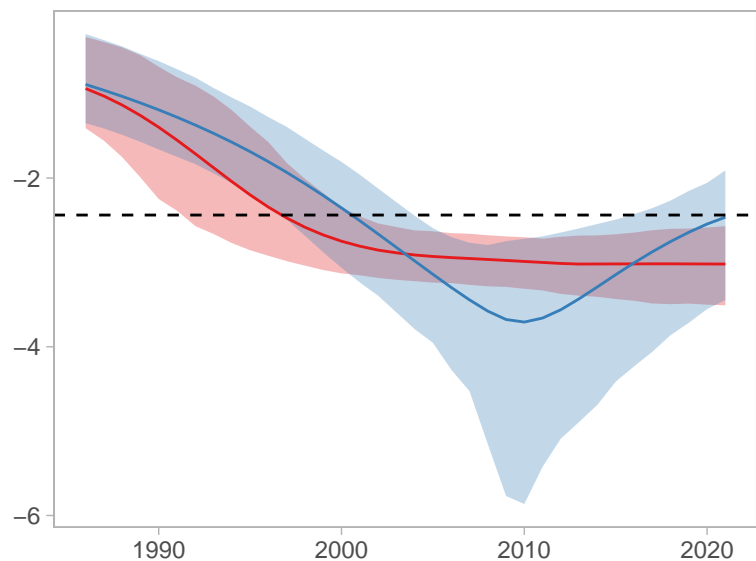
HIV incidence per 1000



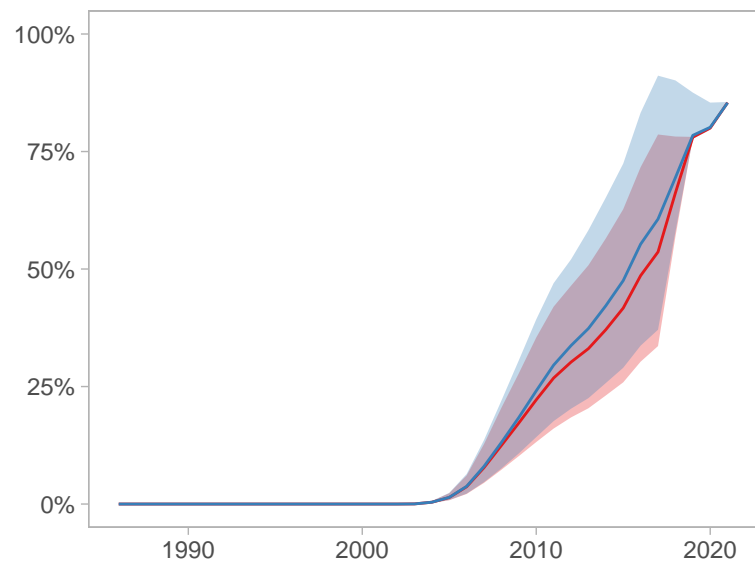
AIDS deaths per 1000 (age 15+)



log r(t)



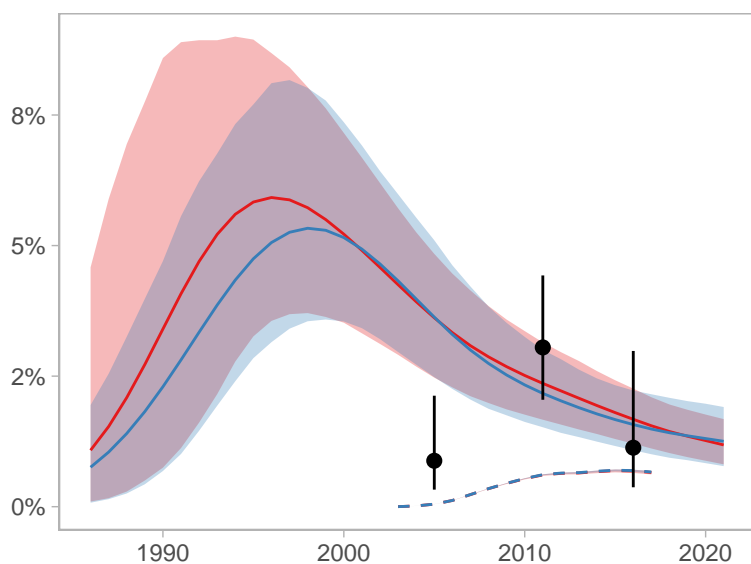
Adult (15+) ART coverage



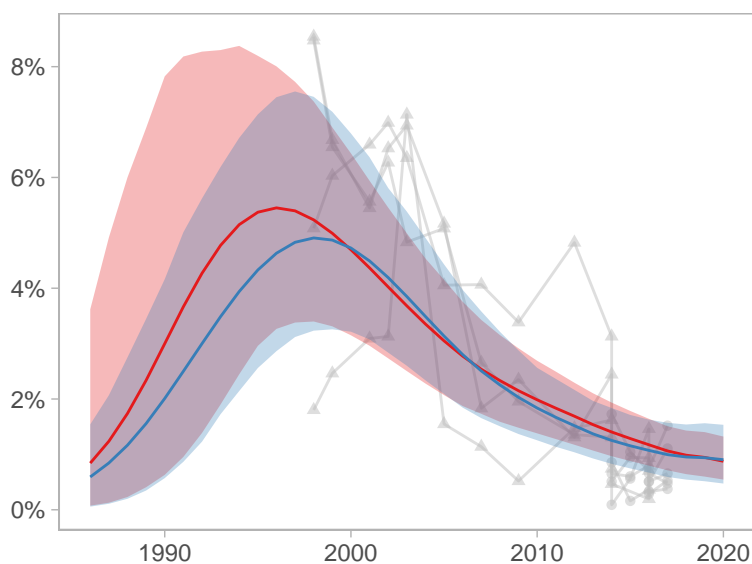
Model: — r-hybrid — r-spline

Ethiopia – SNNP Urban

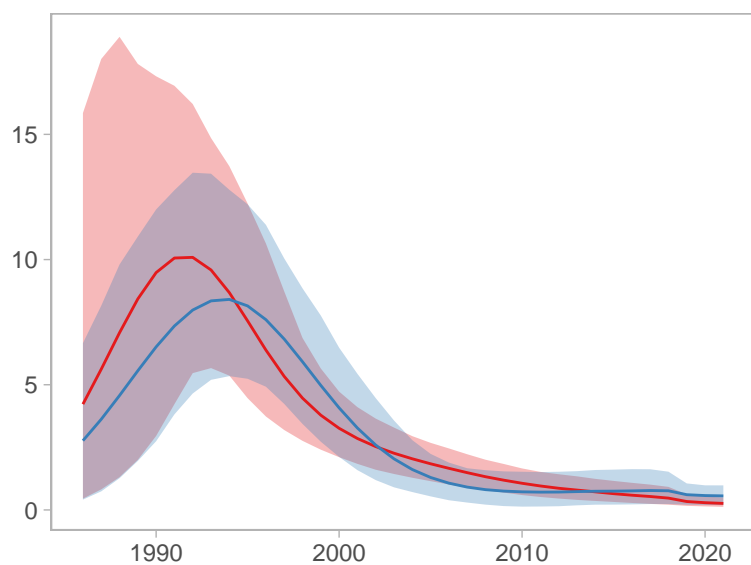
HIV prevalence



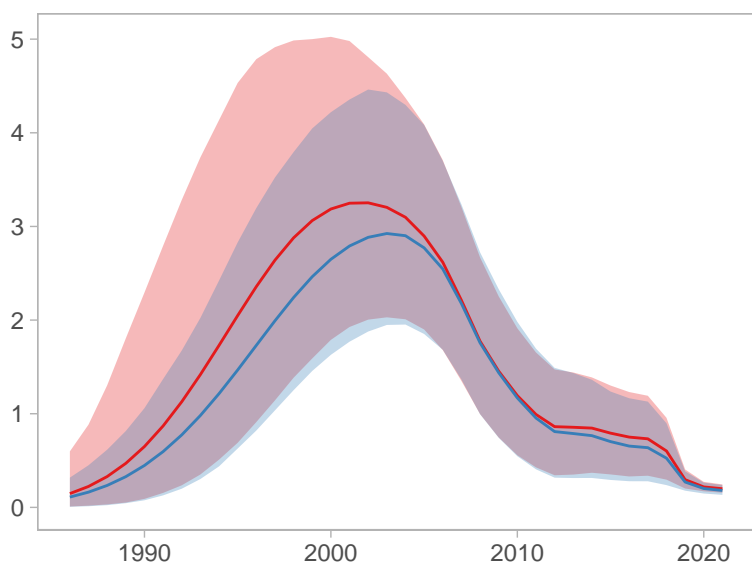
Pregnant women HIV prevalence



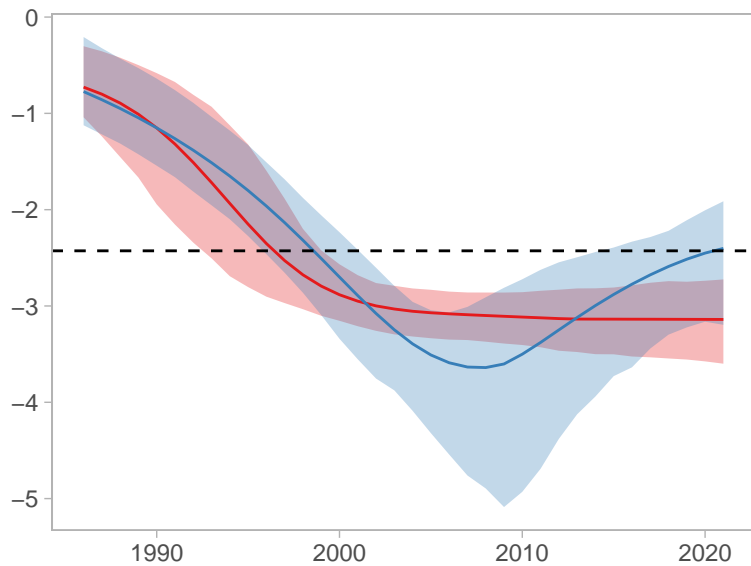
HIV incidence per 1000



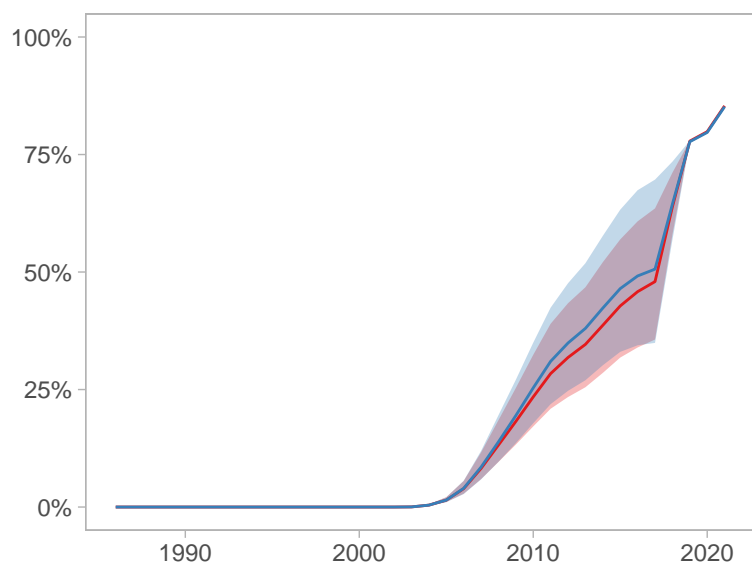
AIDS deaths per 1000 (age 15+)



log r(t)

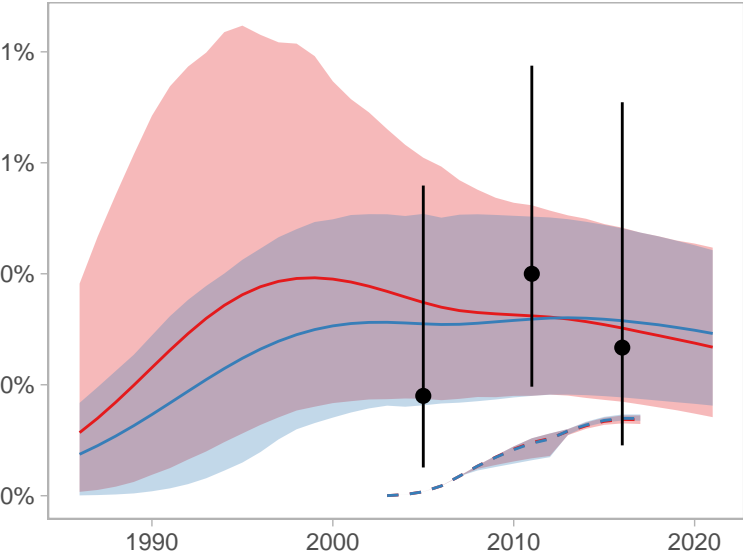


Adult (15+) ART coverage

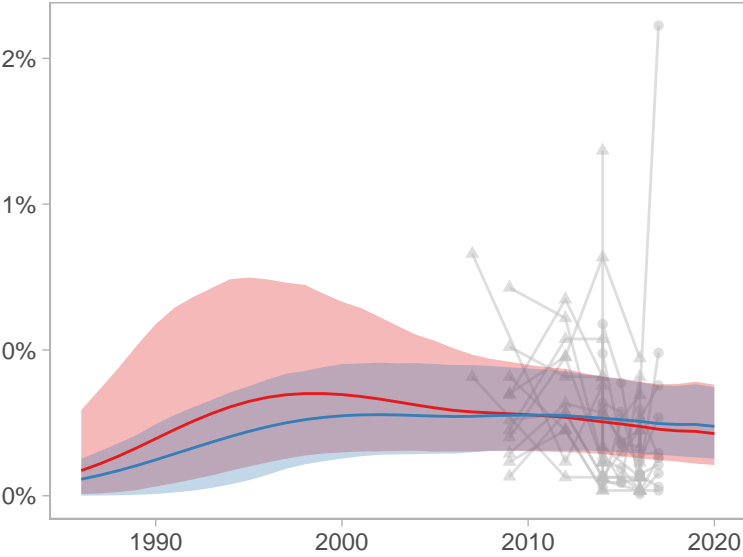


Model: — r-hybrid — r-spline

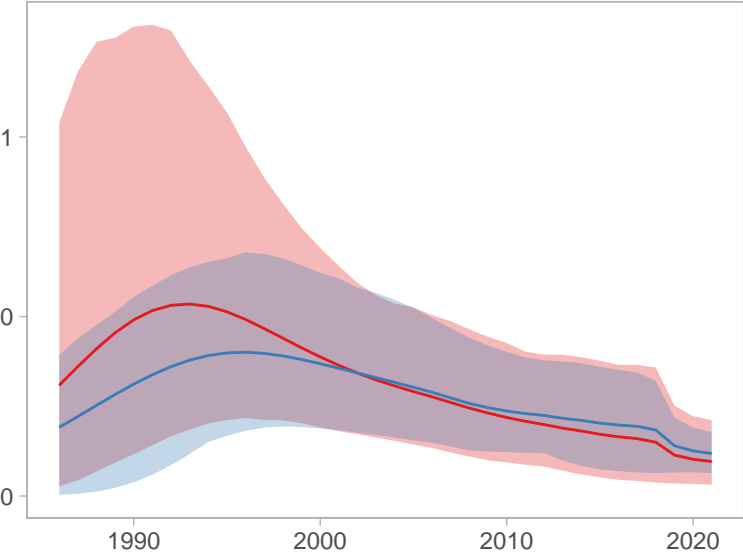
Ethiopia – SNNP Rural
HIV prevalence



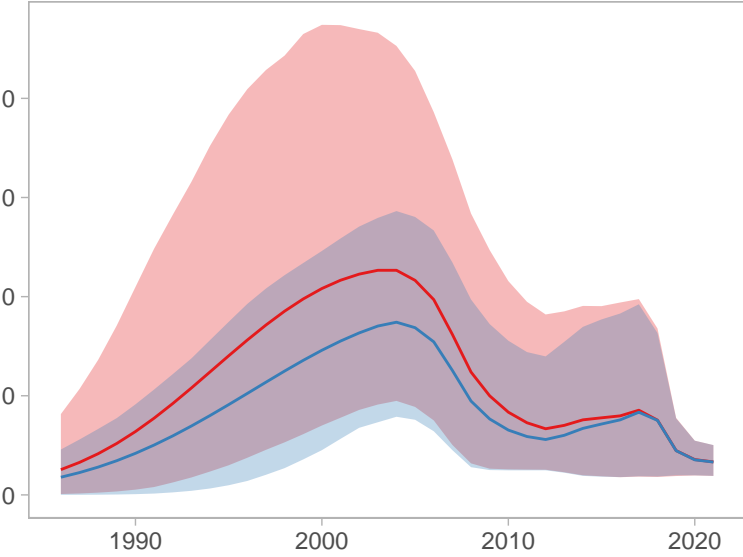
Pregnant women HIV prevalence



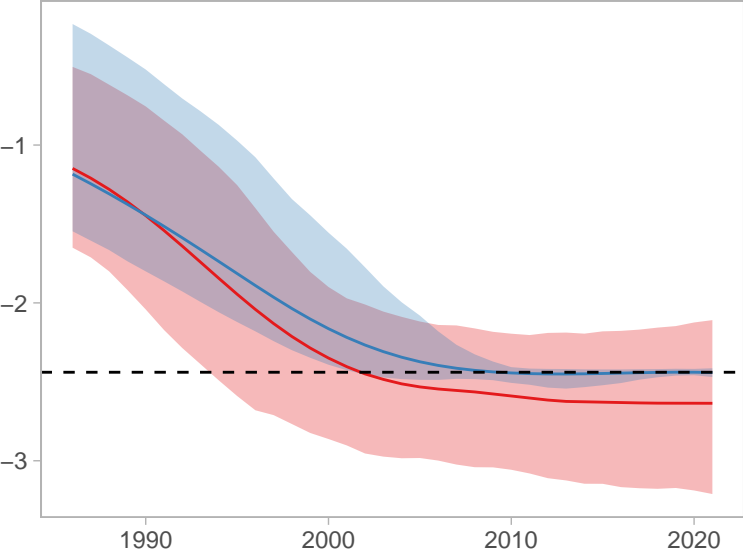
HIV incidence per 1000



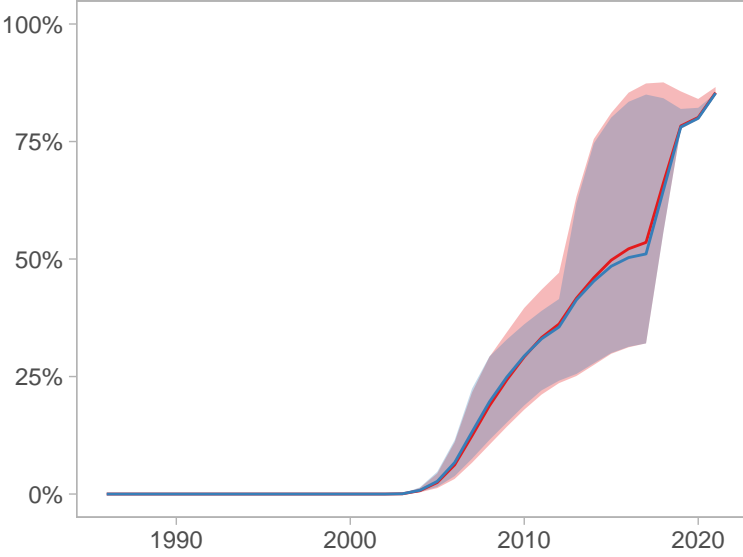
AIDS deaths per 1000 (age 15+)



log r(t)



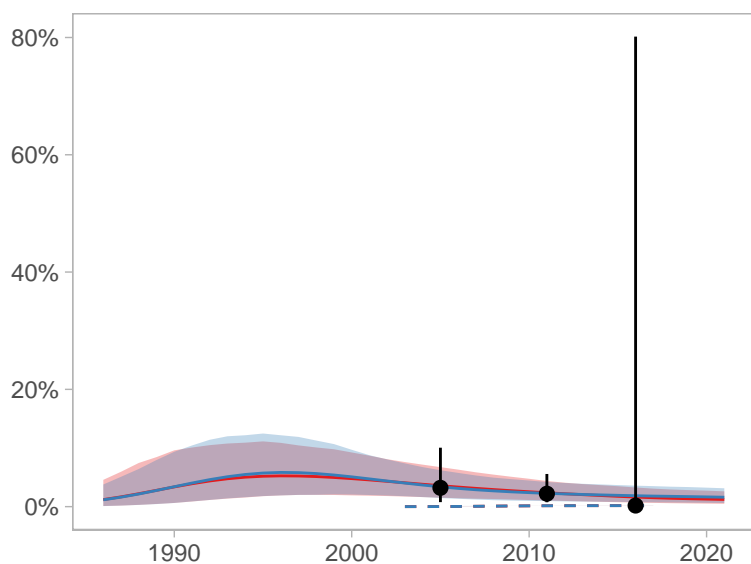
Adult (15+) ART coverage



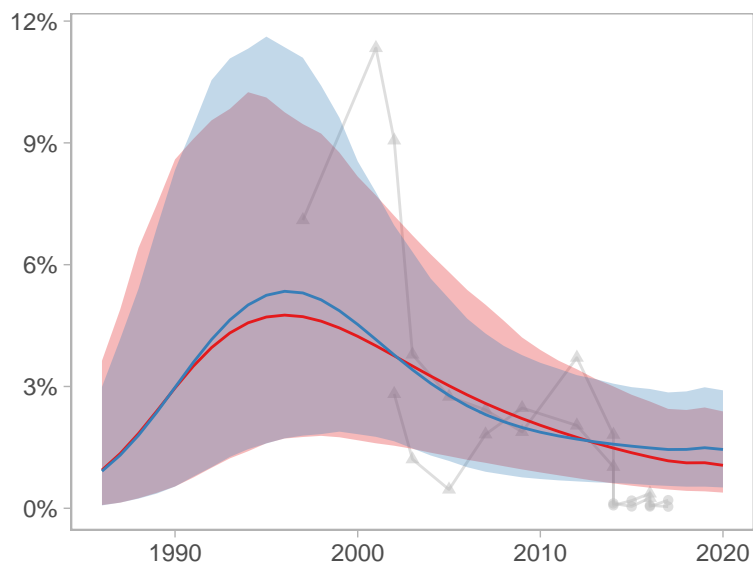
Model: r-hybrid r-spline

Ethiopia – Somali Urban

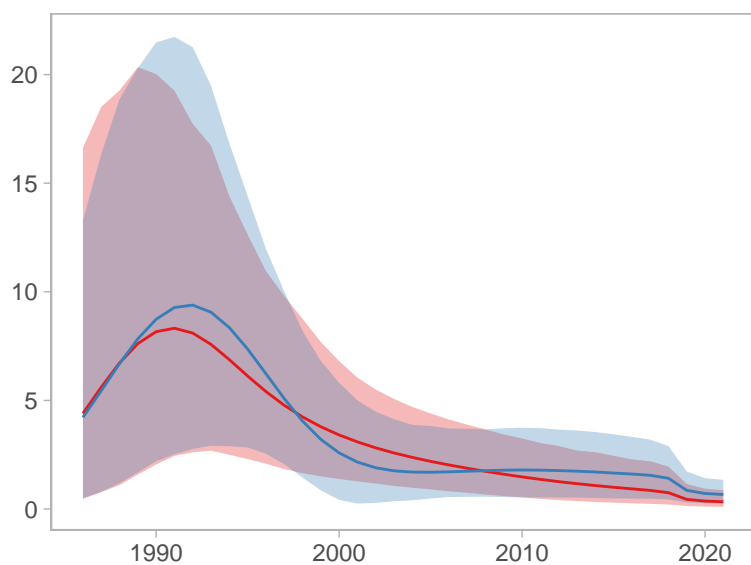
HIV prevalence



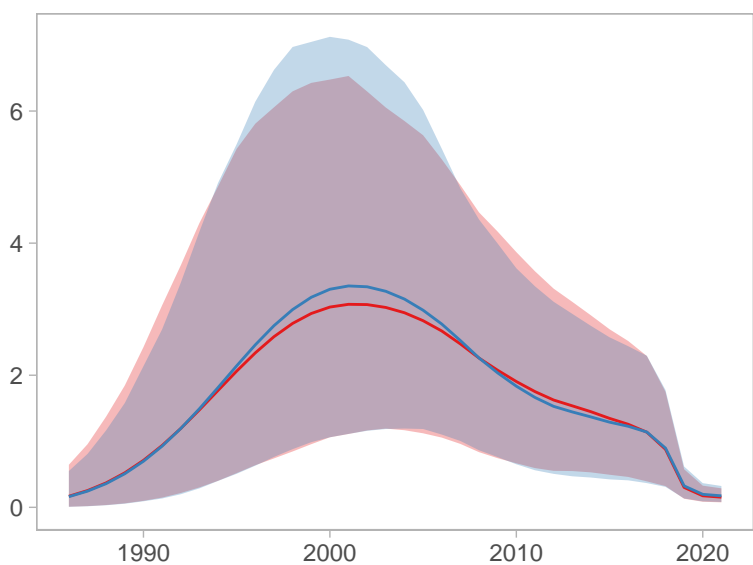
Pregnant women HIV prevalence



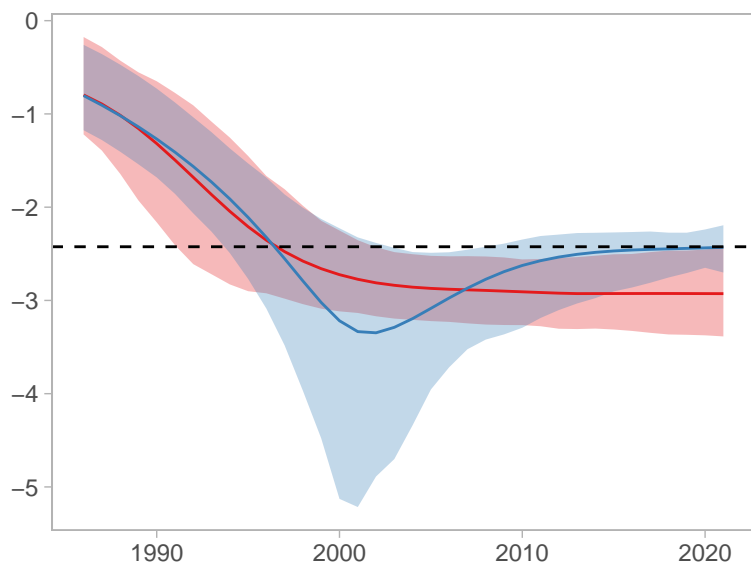
HIV incidence per 1000



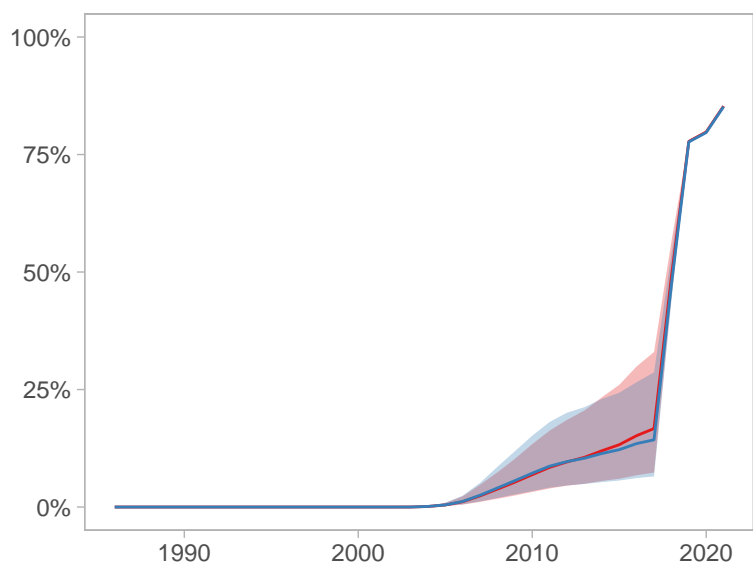
AIDS deaths per 1000 (age 15+)



log r(t)



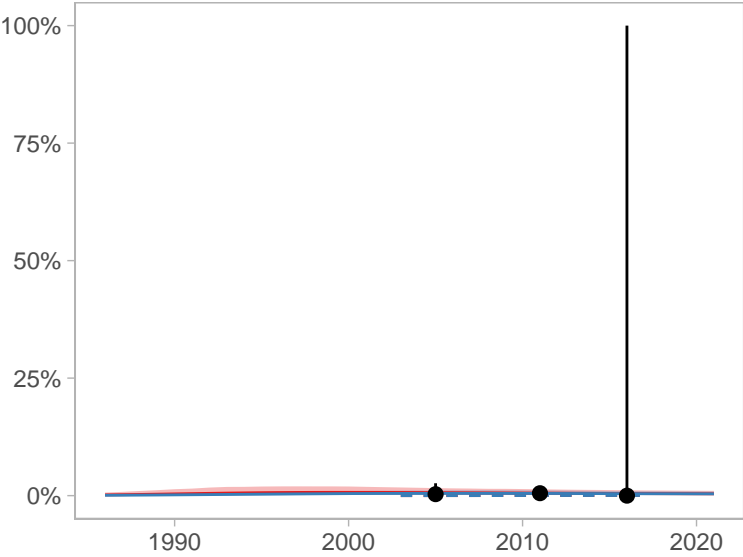
Adult (15+) ART coverage



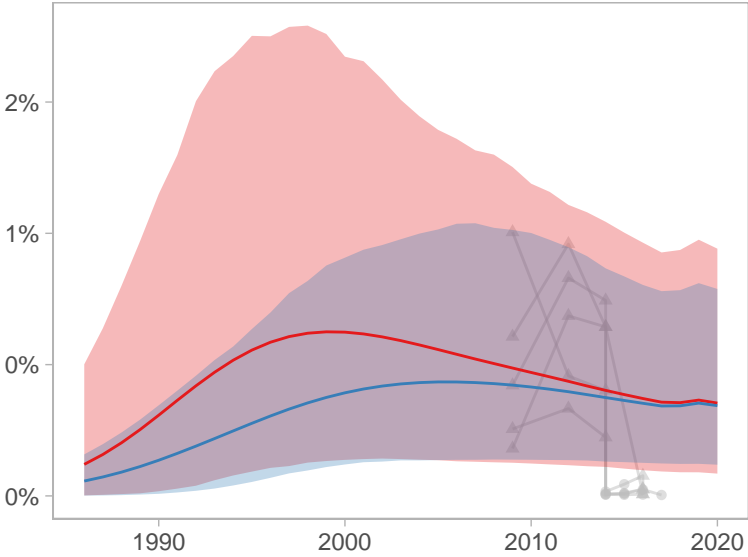
Model: — r-hybrid — r-spline

Ethiopia – Somali Rural

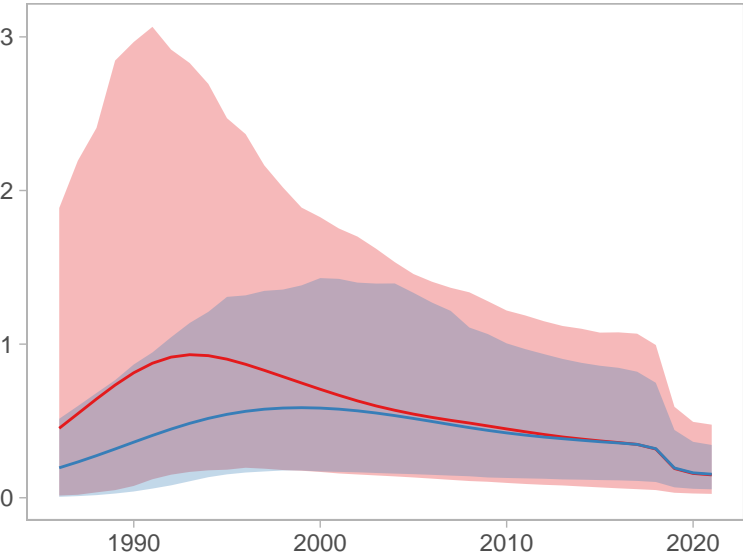
HIV prevalence



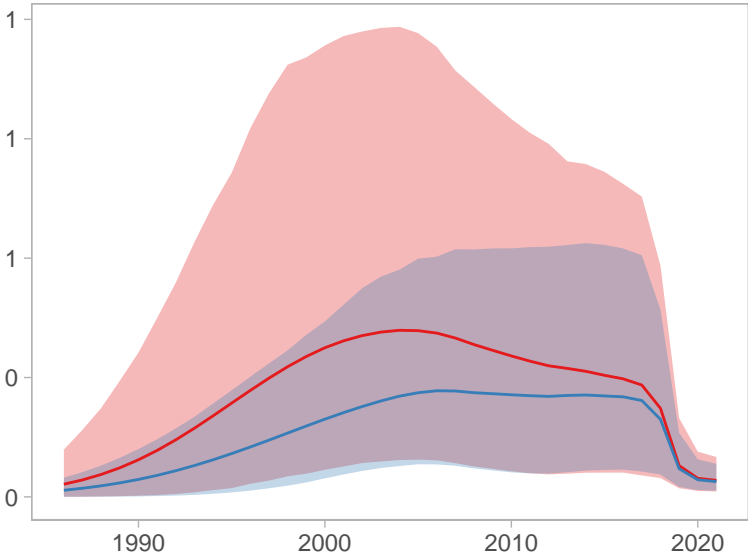
Pregnant women HIV prevalence



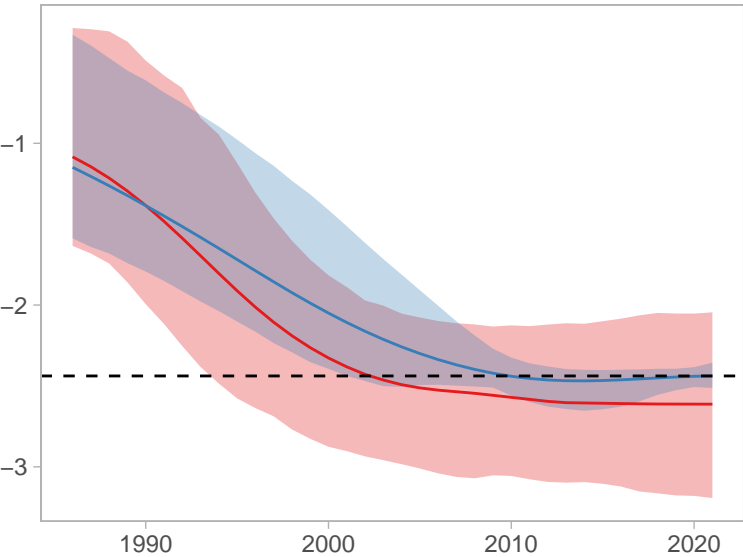
HIV incidence per 1000



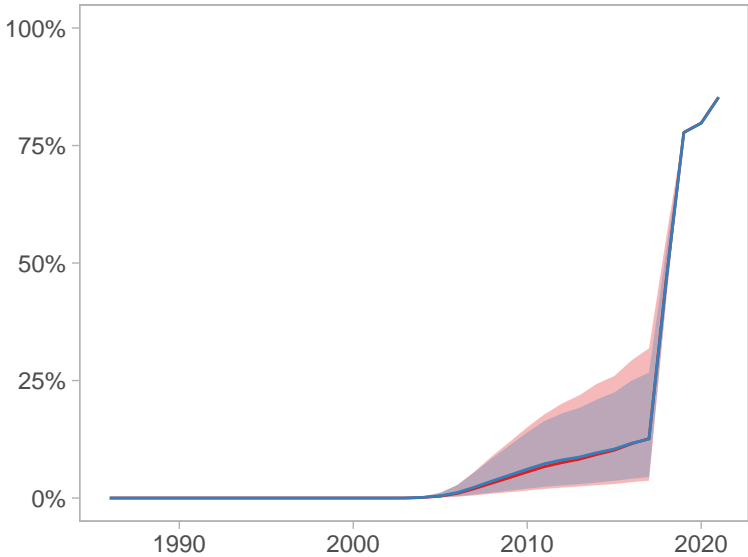
AIDS deaths per 1000 (age 15+)



log r(t)



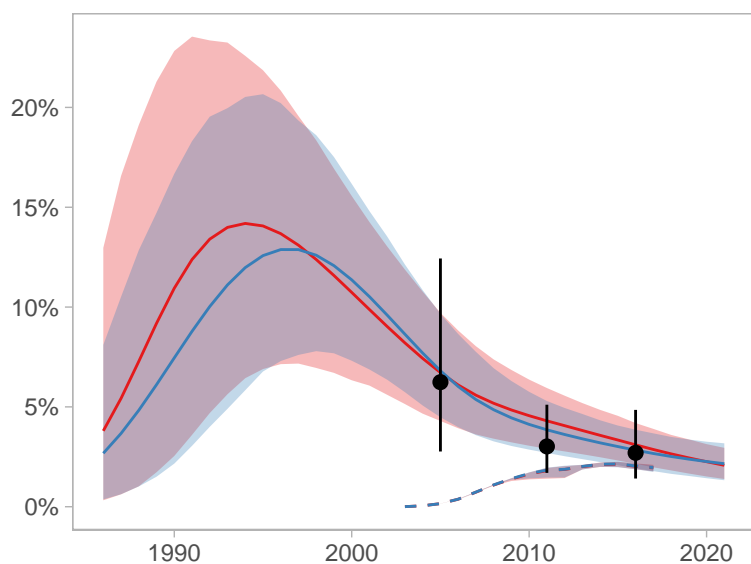
Adult (15+) ART coverage



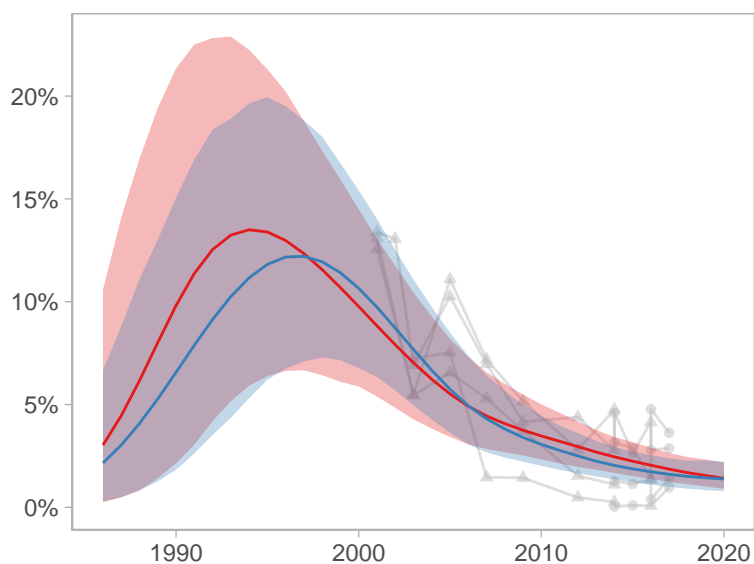
Model: — r-hybrid — r-spline

Ethiopia – Tigray Urban

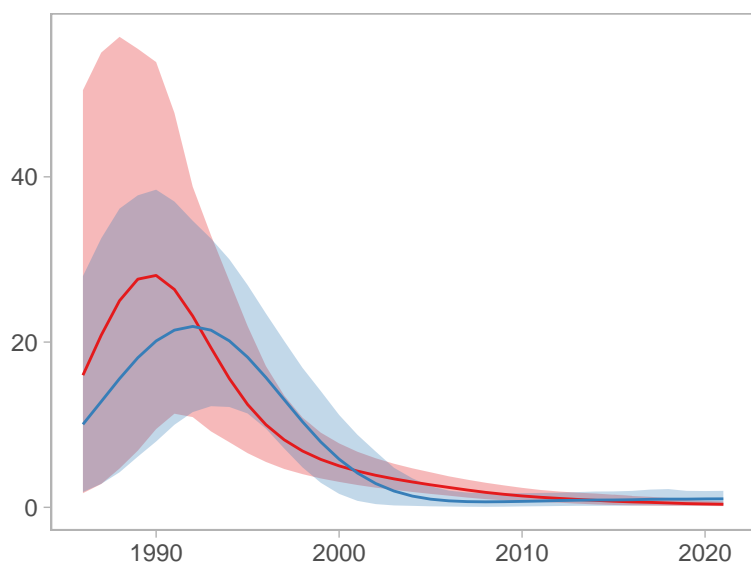
HIV prevalence



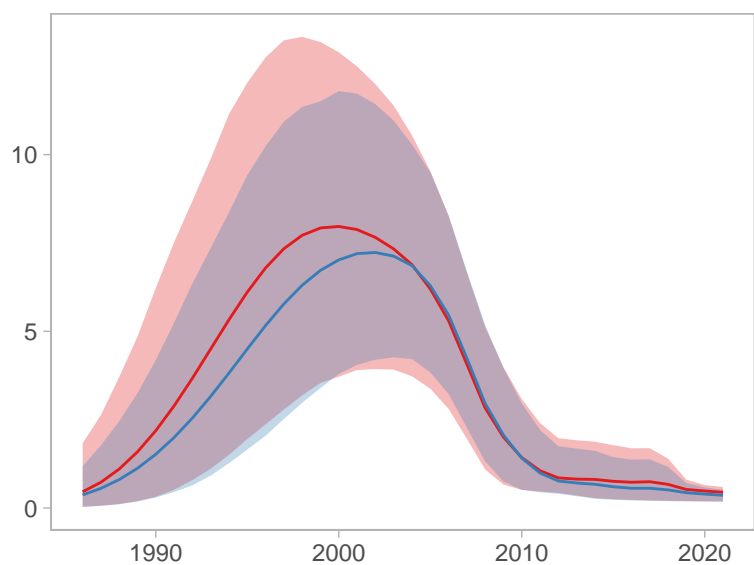
Pregnant women HIV prevalence



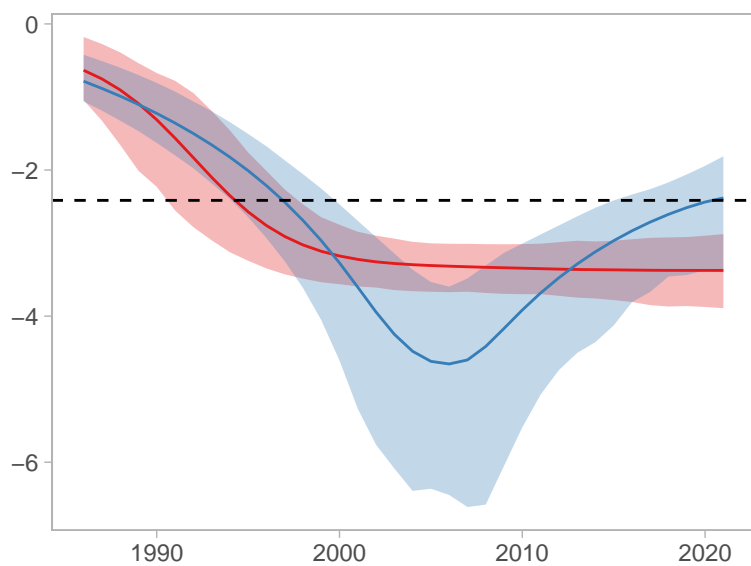
HIV incidence per 1000



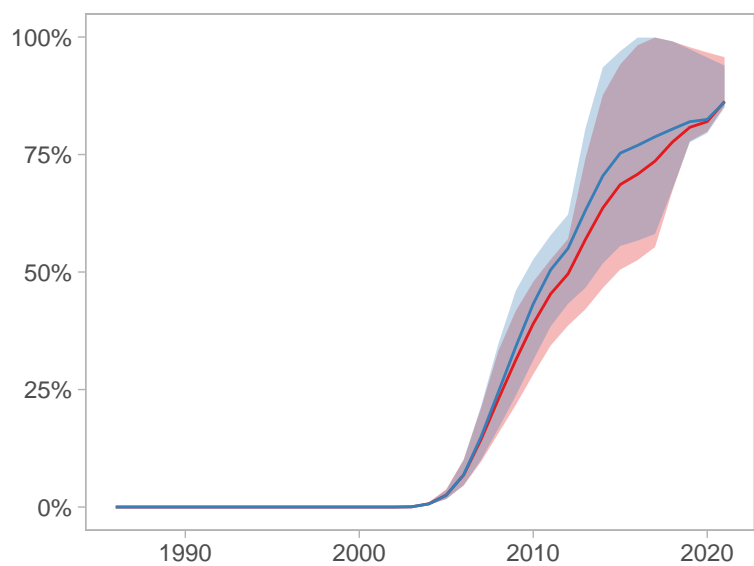
AIDS deaths per 1000 (age 15+)



log r(t)



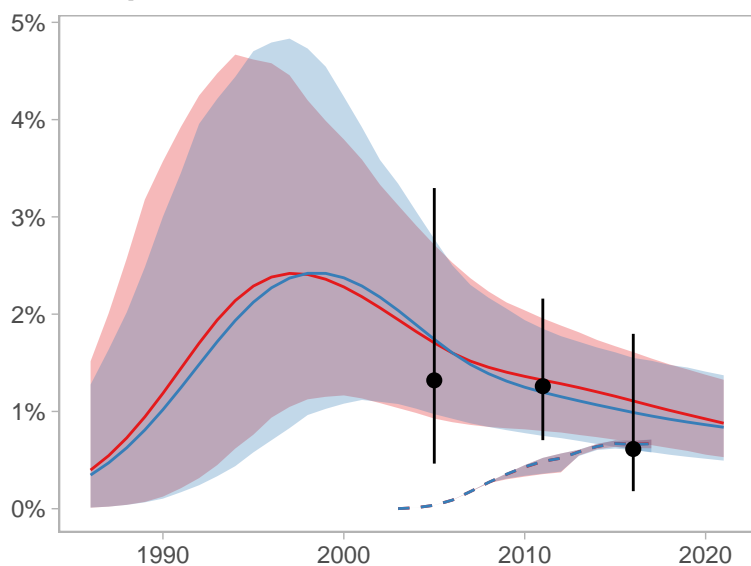
Adult (15+) ART coverage



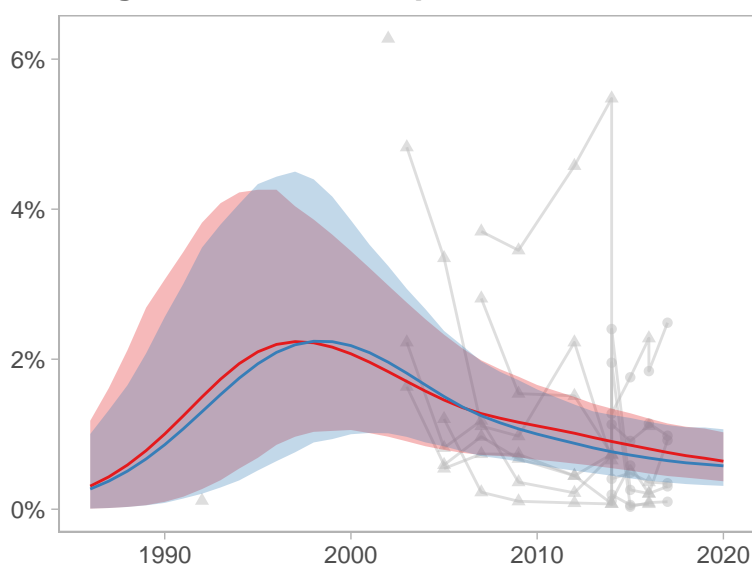
Model: — r-hybrid — r-spline

Ethiopia – Tigray Rural

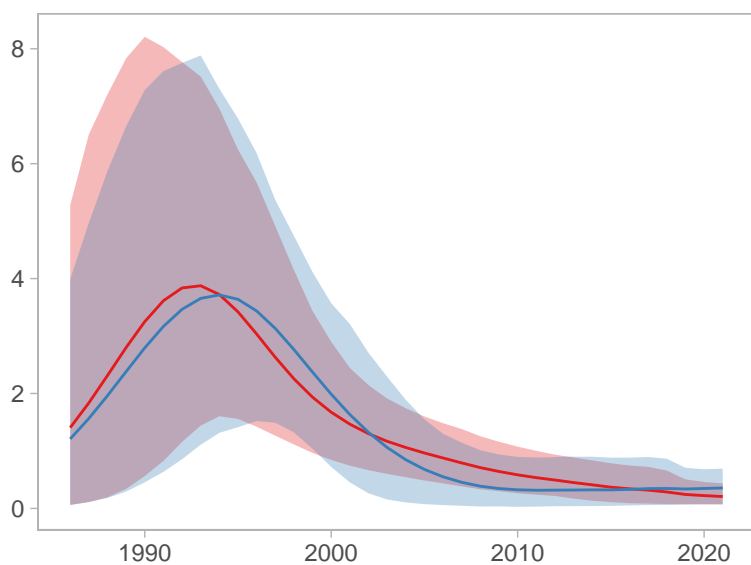
HIV prevalence



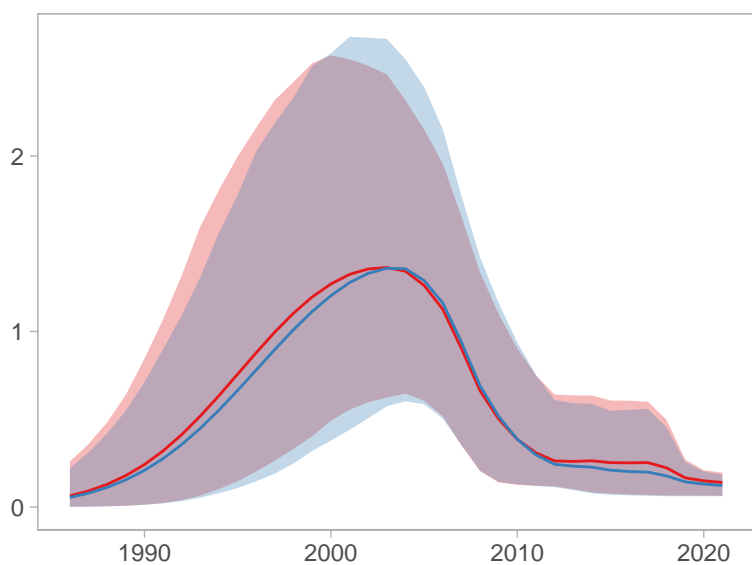
Pregnant women HIV prevalence



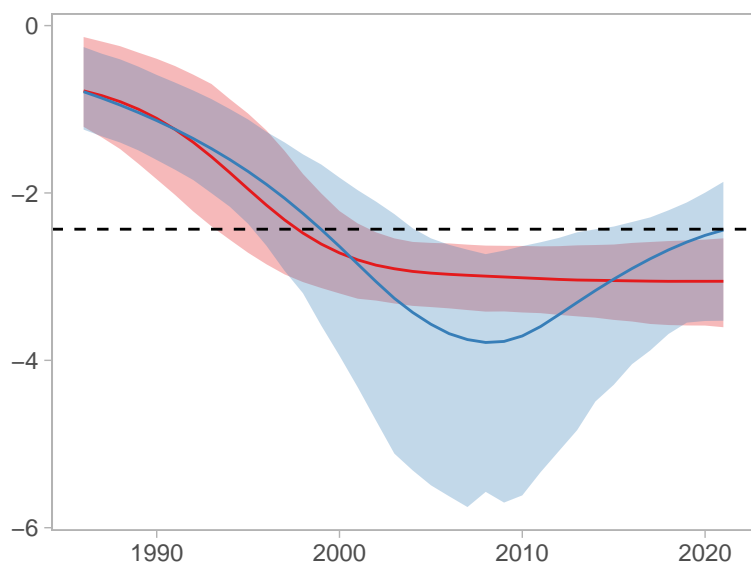
HIV incidence per 1000



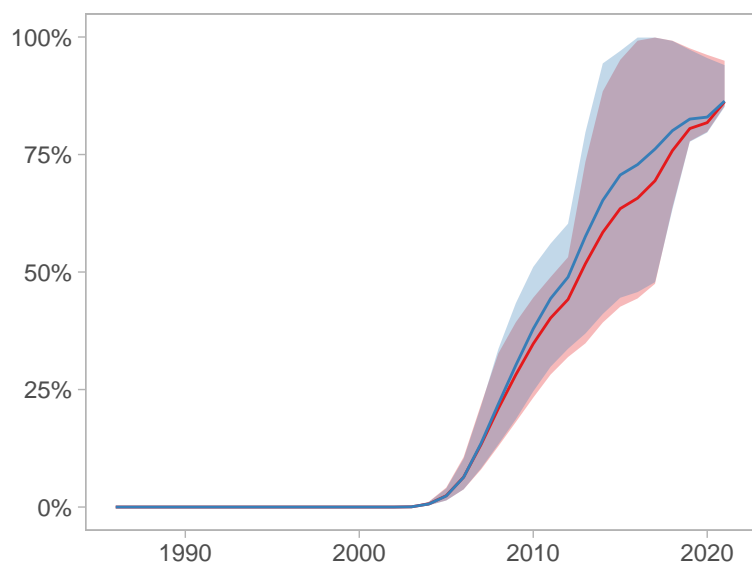
AIDS deaths per 1000 (age 15+)



log r(t)



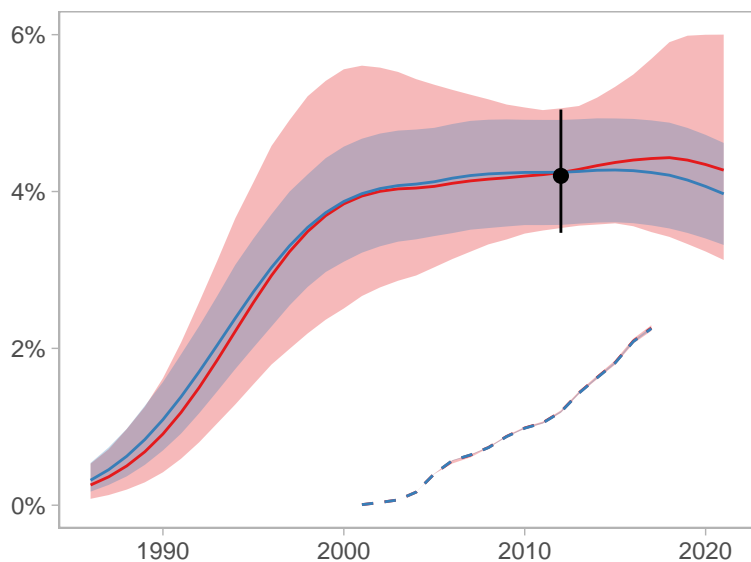
Adult (15+) ART coverage



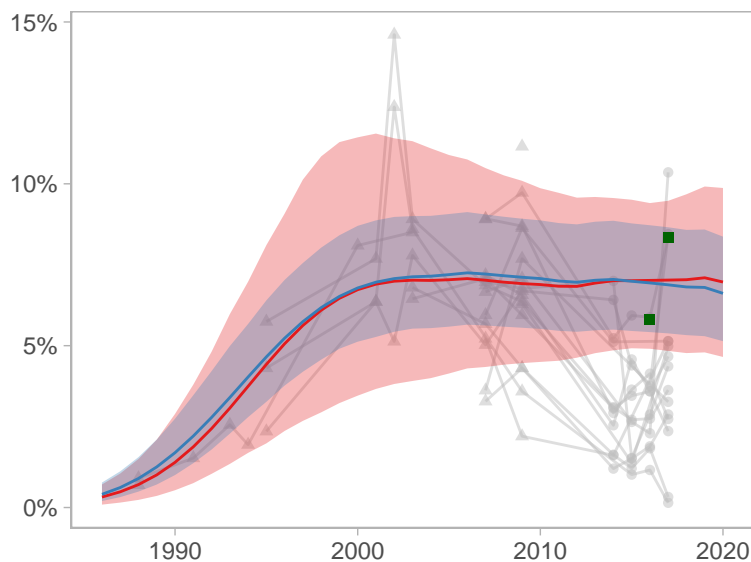
Model: — r-hybrid — r-spline

Gabon – Urbaine

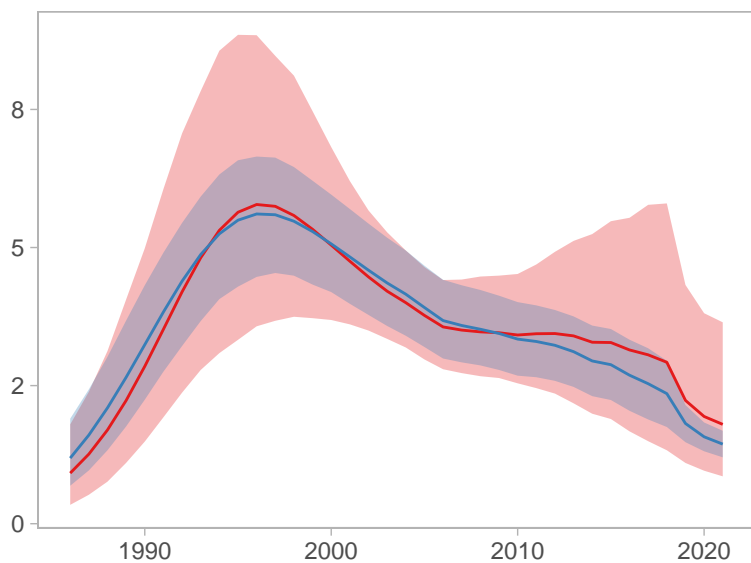
HIV prevalence



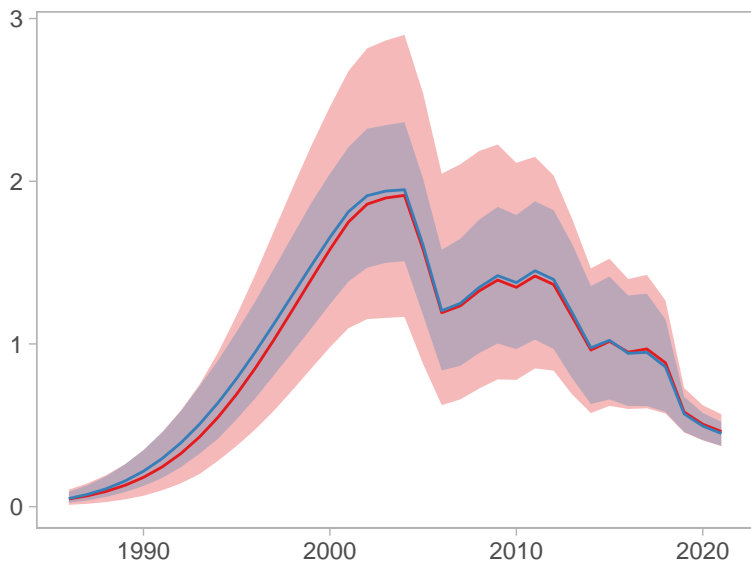
Pregnant women HIV prevalence



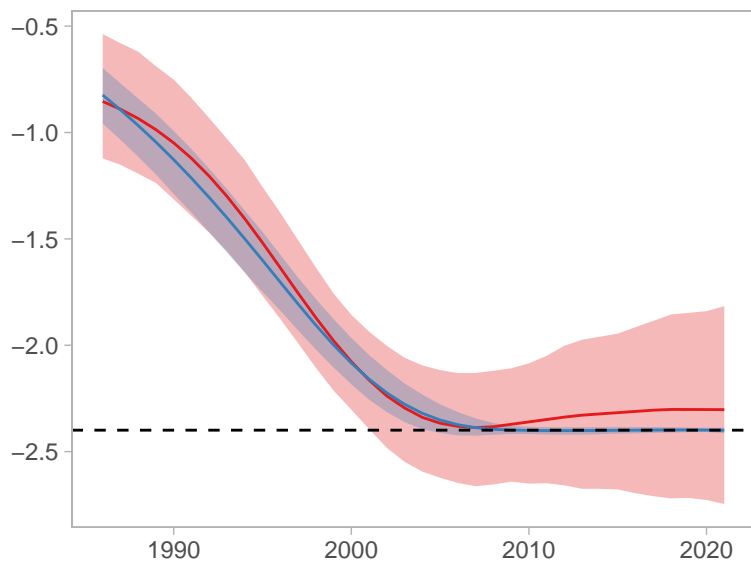
HIV incidence per 1000



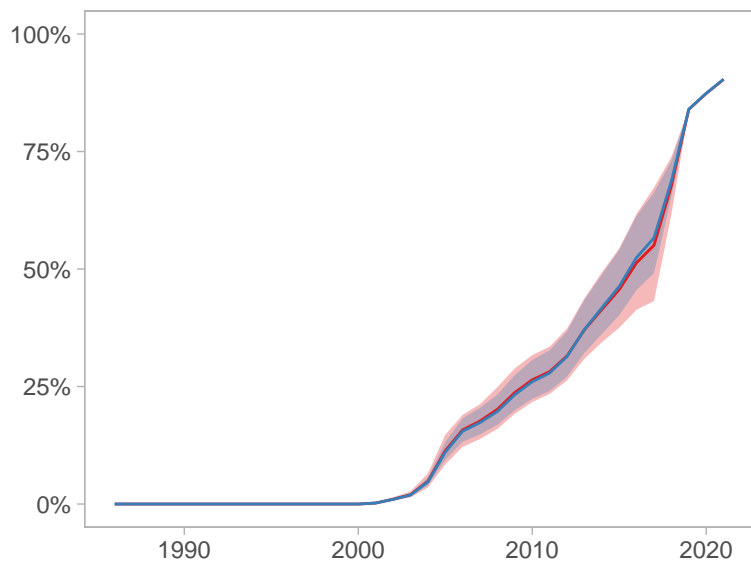
AIDS deaths per 1000 (age 15+)



log r(t)

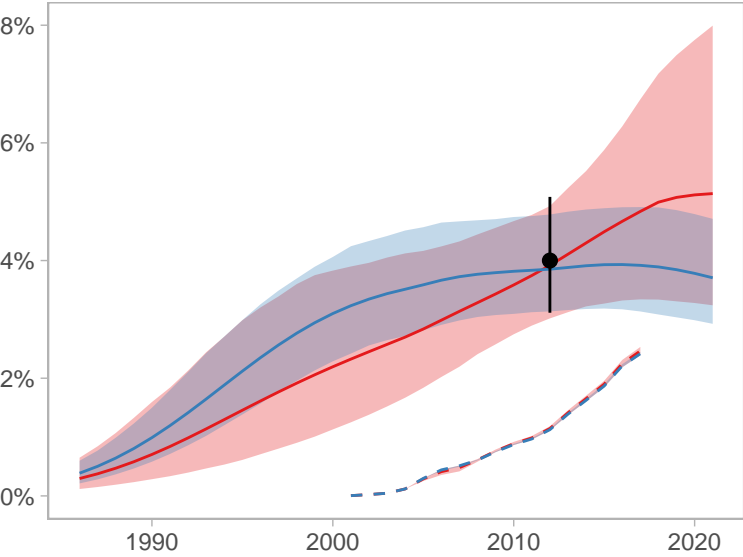


Adult (15+) ART coverage

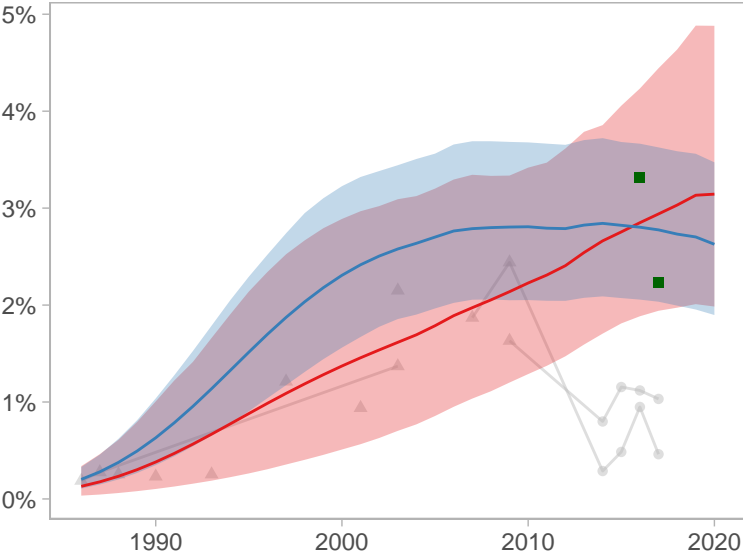


Model: — r-hybrid — r-spline

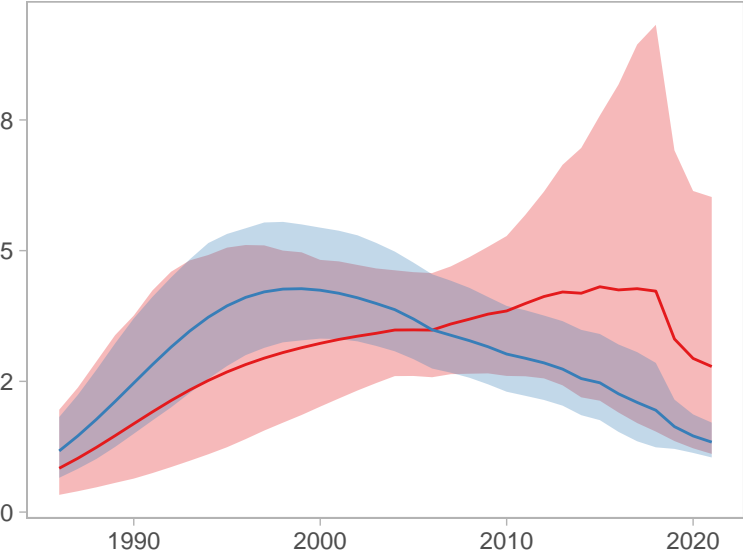
Gabon – Rurale
HIV prevalence



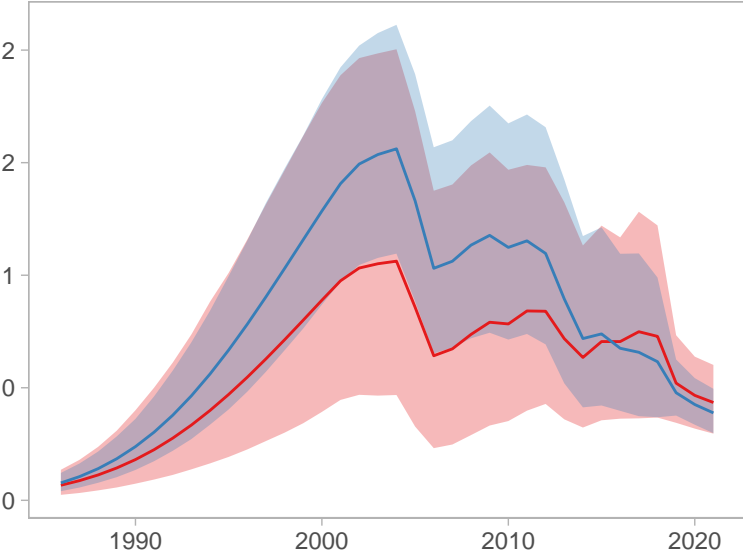
Pregnant women HIV prevalence



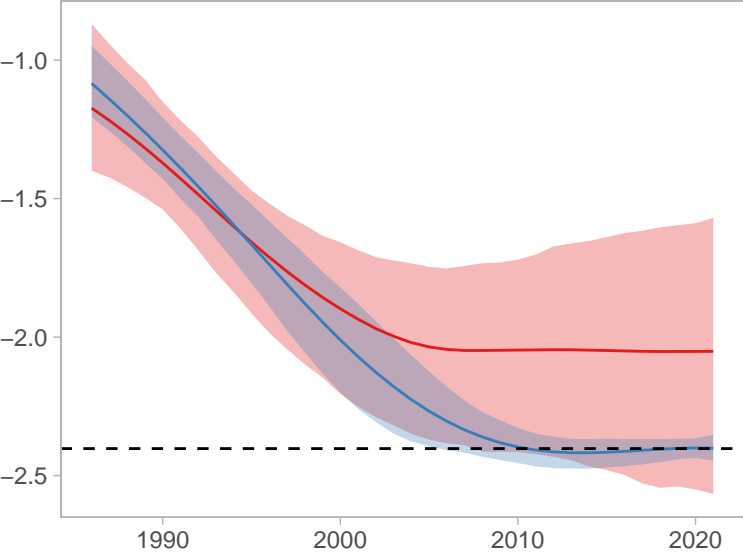
HIV incidence per 1000



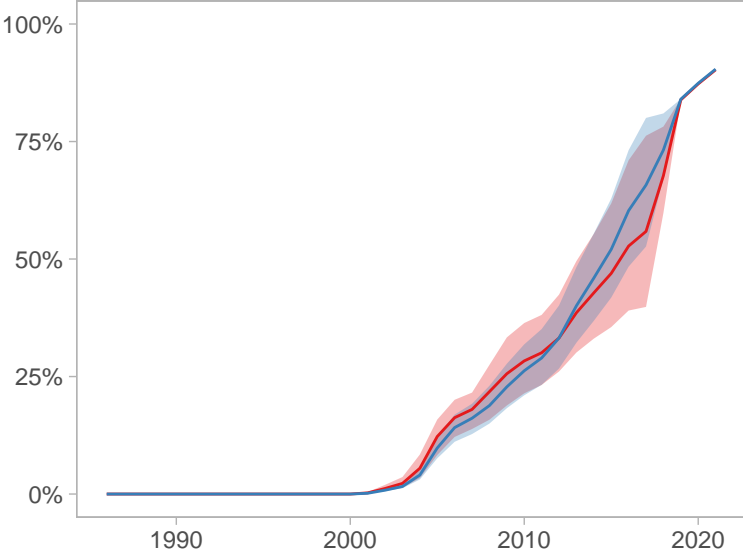
AIDS deaths per 1000 (age 15+)



log r(t)



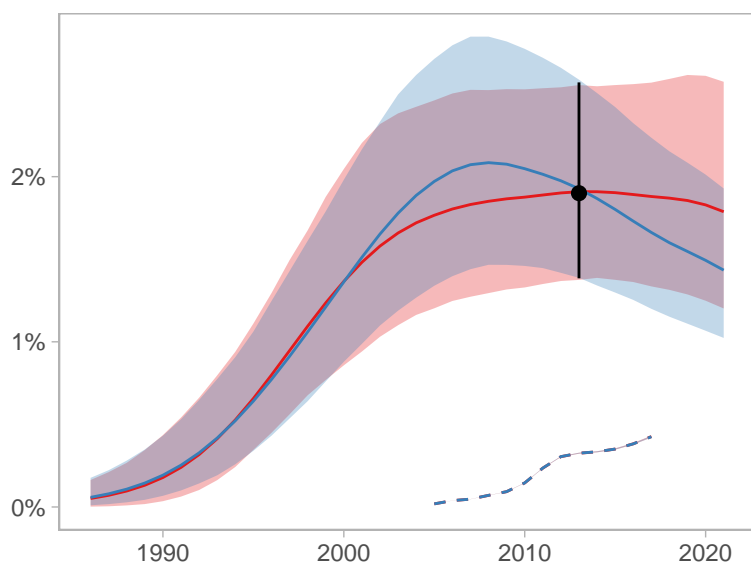
Adult (15+) ART coverage



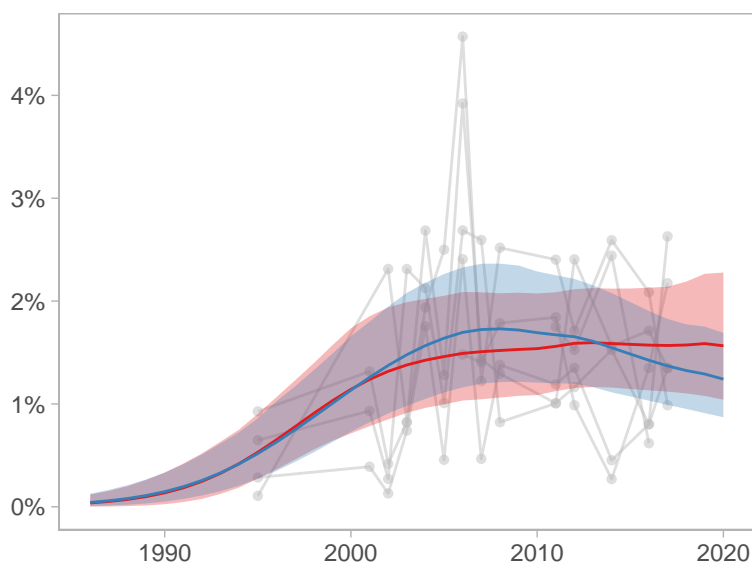
Model: r-hybrid r-spline

Gambia – Urban

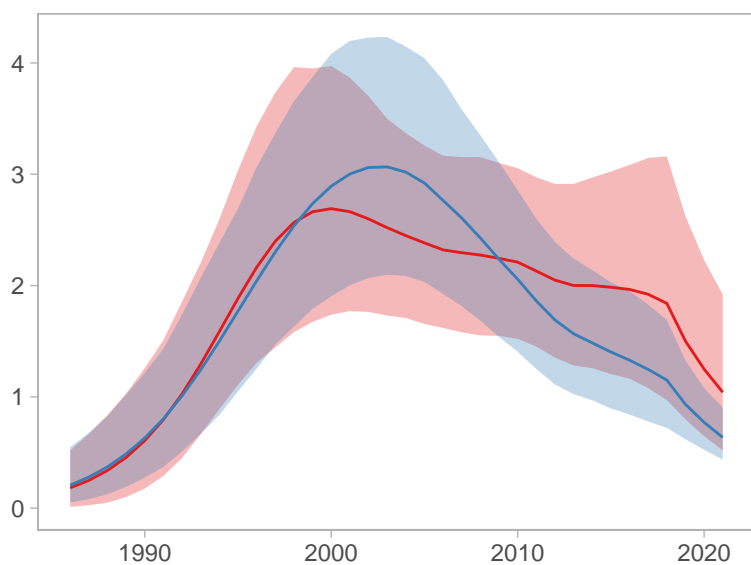
HIV prevalence



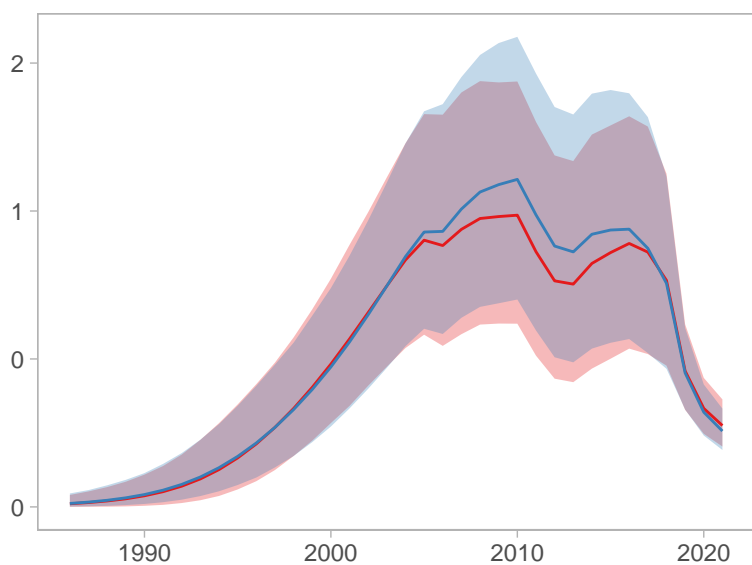
Pregnant women HIV prevalence



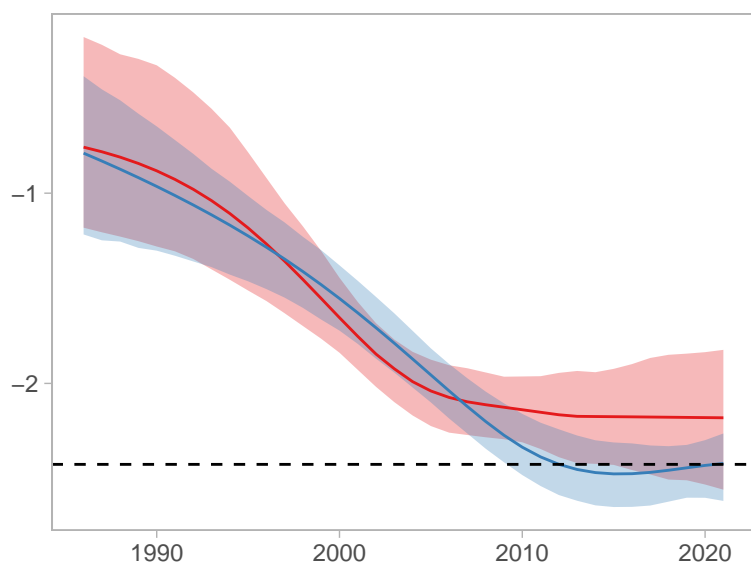
HIV incidence per 1000



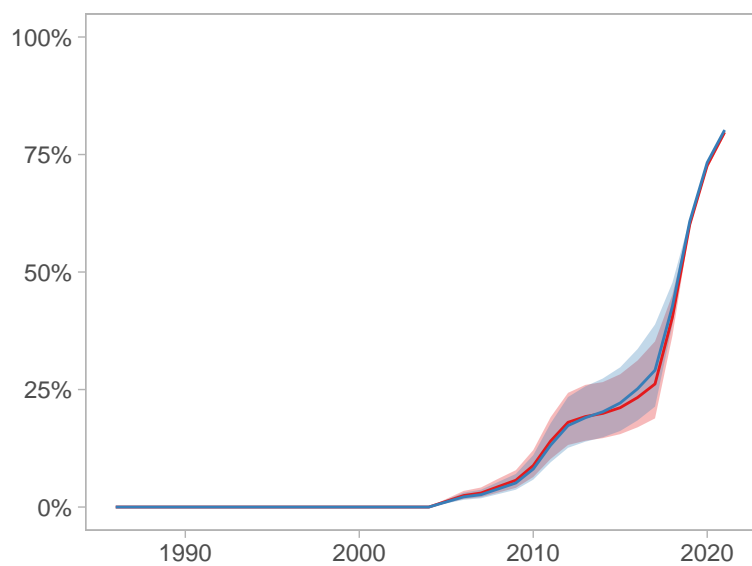
AIDS deaths per 1000 (age 15+)



log r(t)



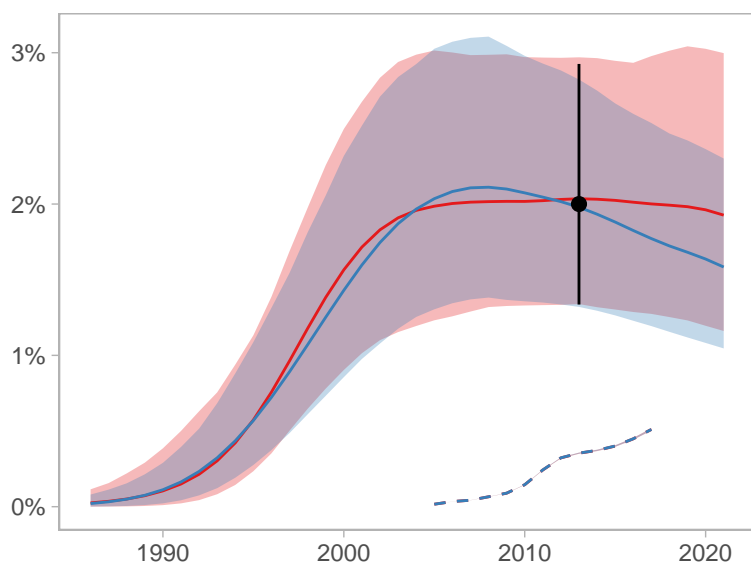
Adult (15+) ART coverage



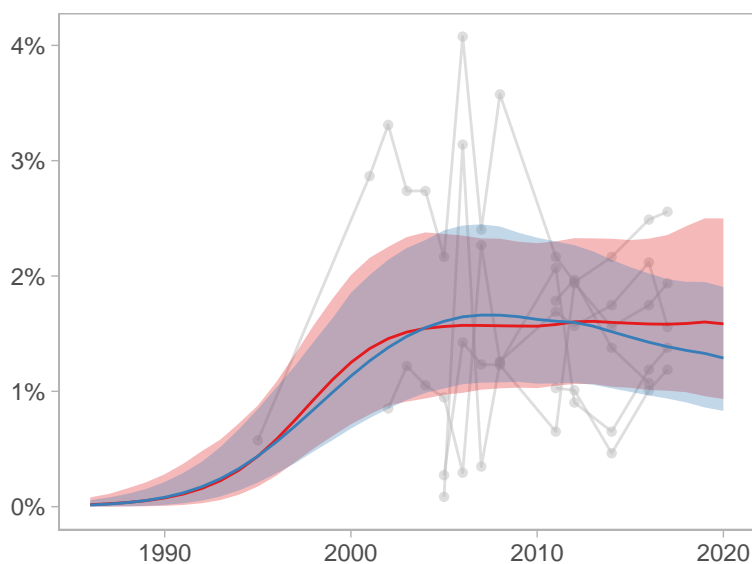
Model: — r-hybrid — r-spline

Gambia – Rural

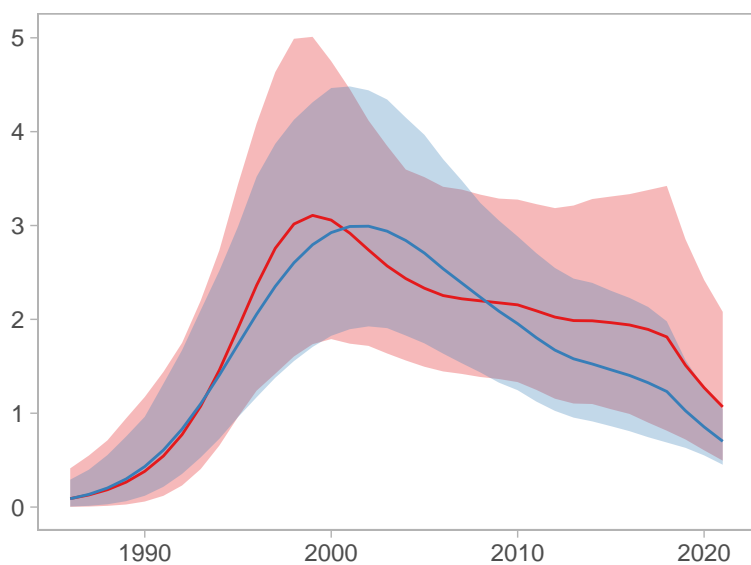
HIV prevalence



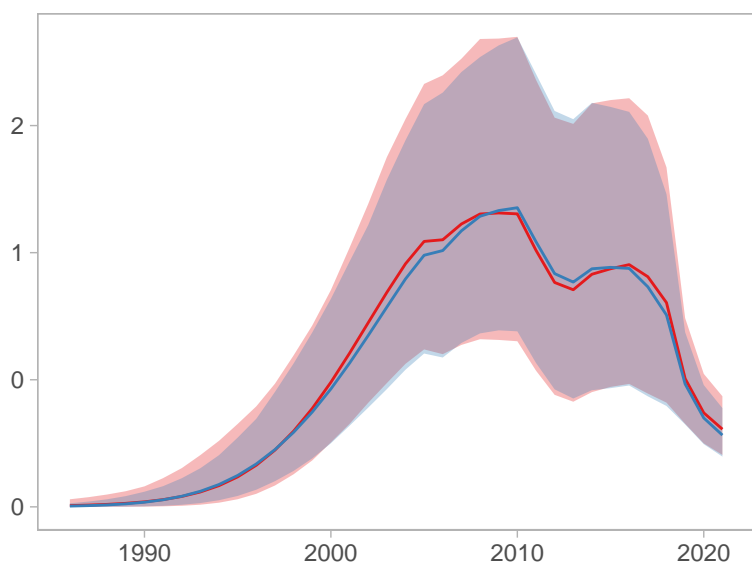
Pregnant women HIV prevalence



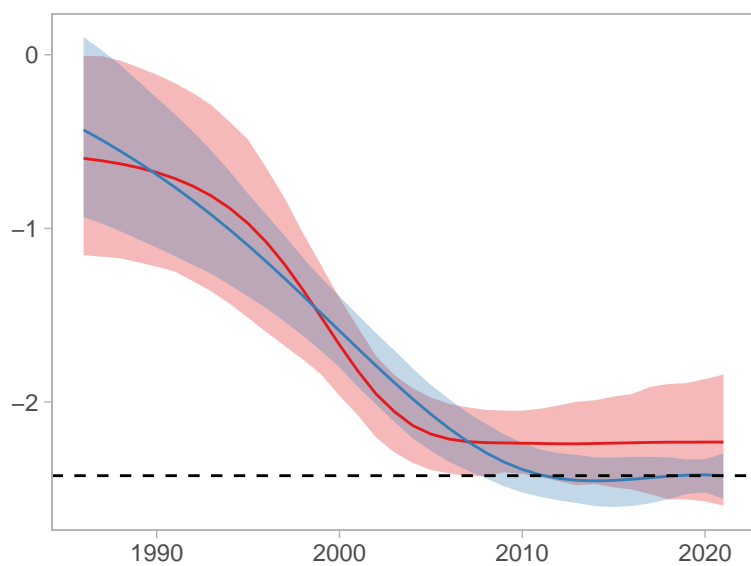
HIV incidence per 1000



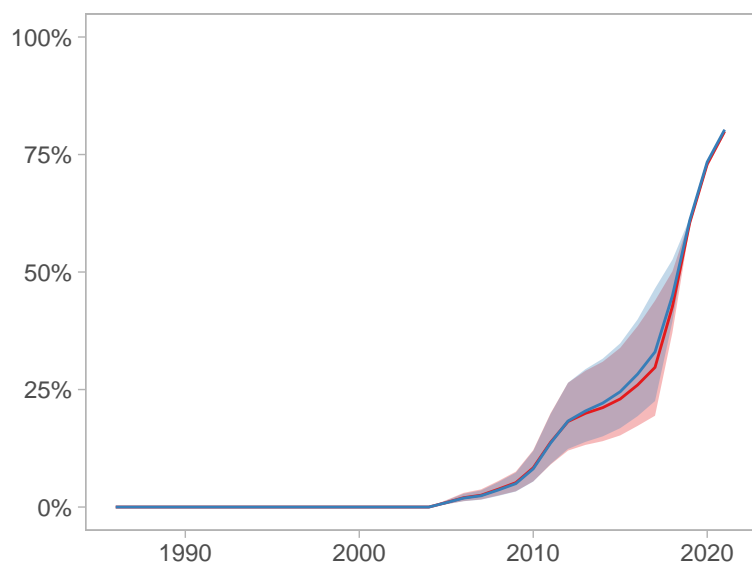
AIDS deaths per 1000 (age 15+)



log r(t)



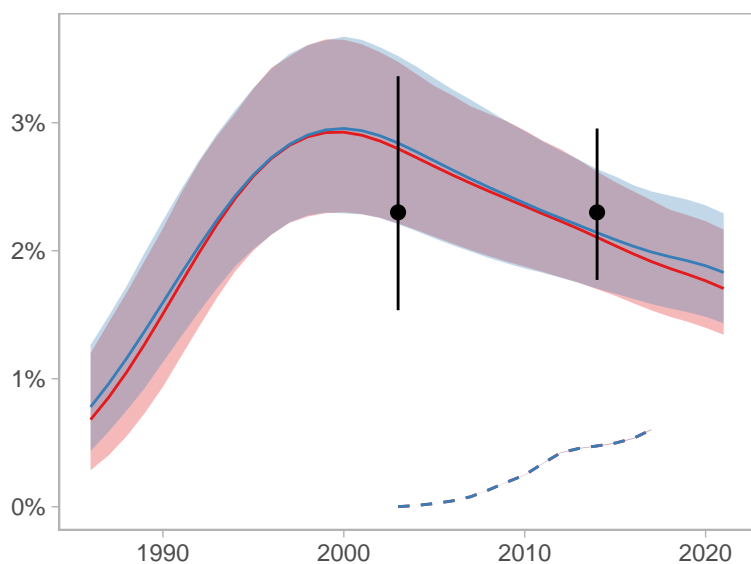
Adult (15+) ART coverage



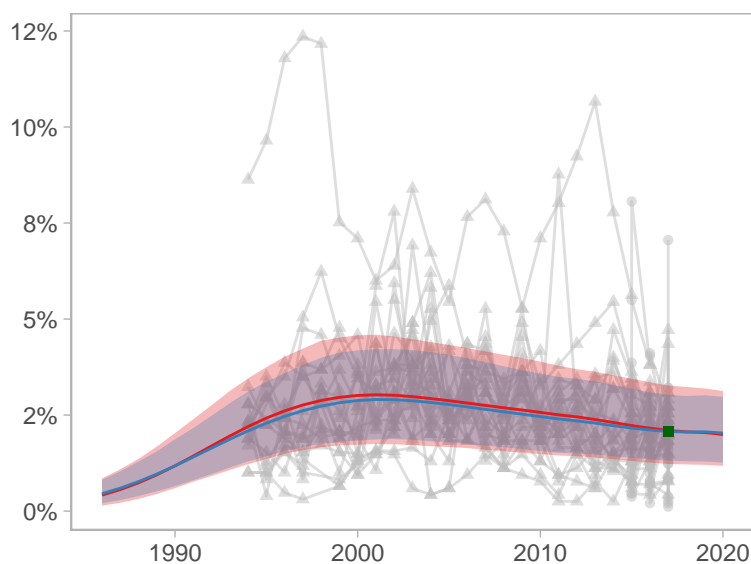
Model: — r-hybrid — r-spline

Ghana – Urban

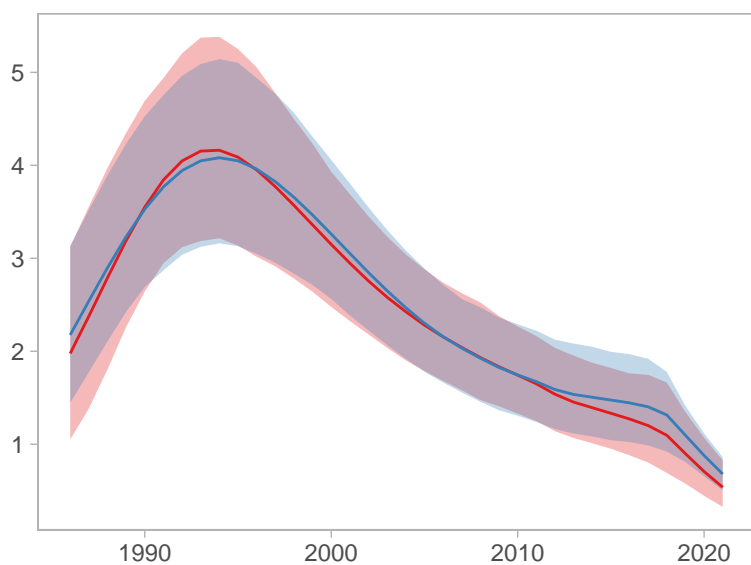
HIV prevalence



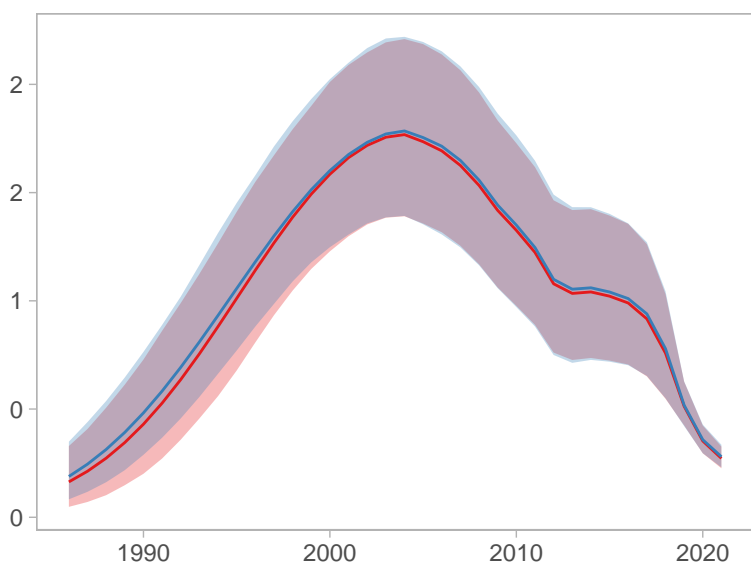
Pregnant women HIV prevalence



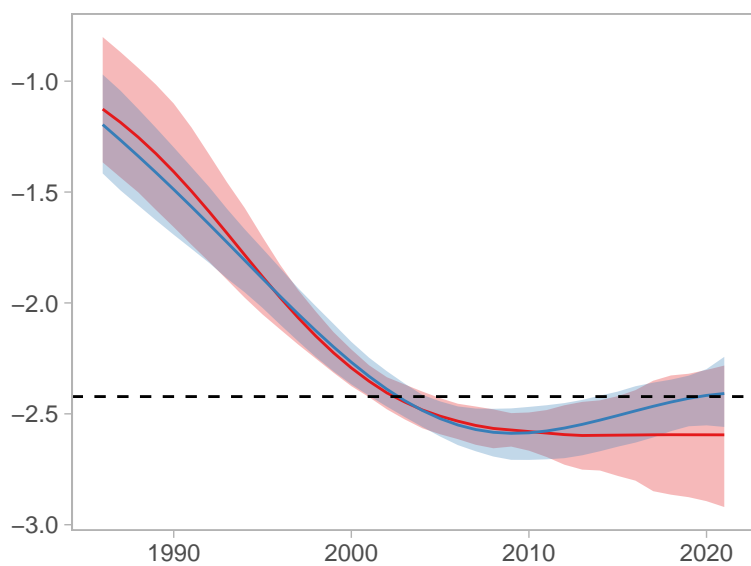
HIV incidence per 1000



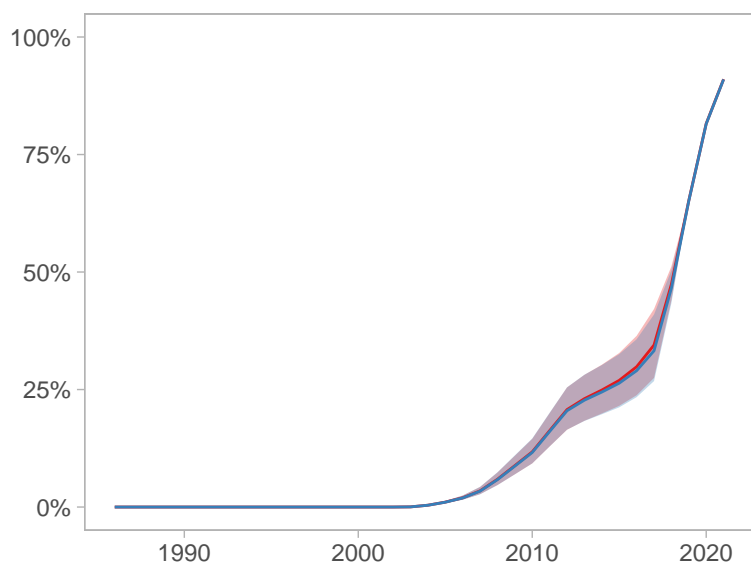
AIDS deaths per 1000 (age 15+)



log r(t)



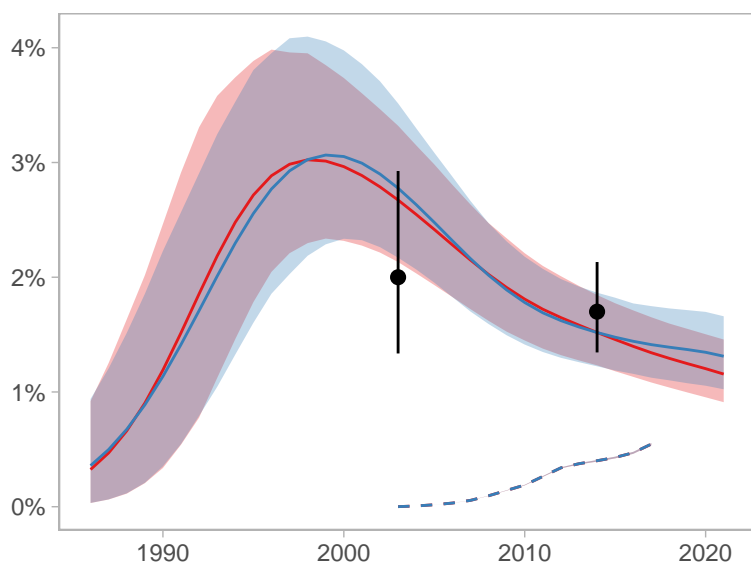
Adult (15+) ART coverage



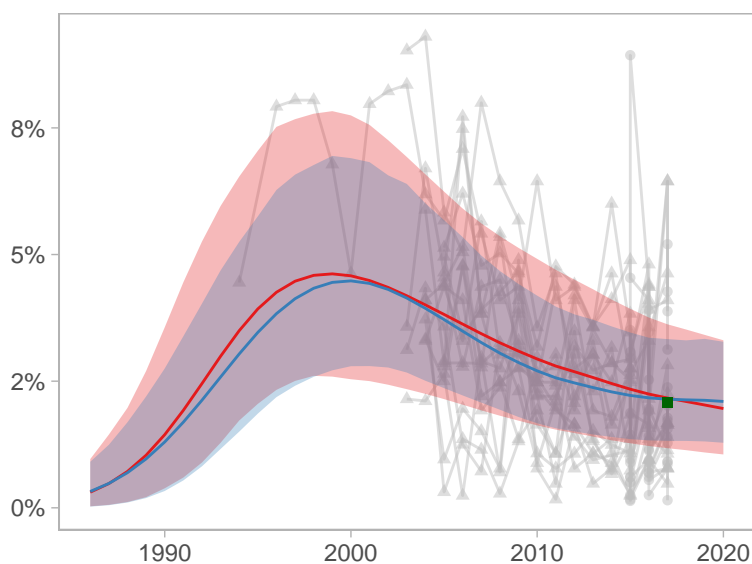
Model: — r-hybrid — r-spline

Ghana – Rural

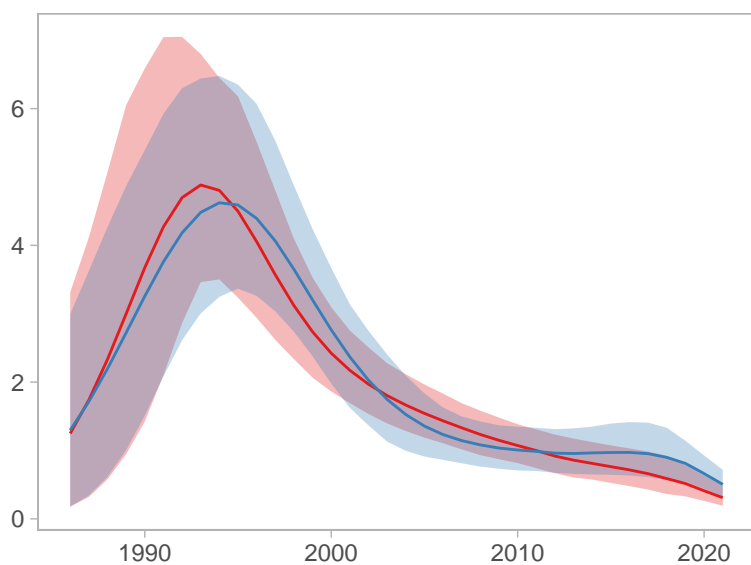
HIV prevalence



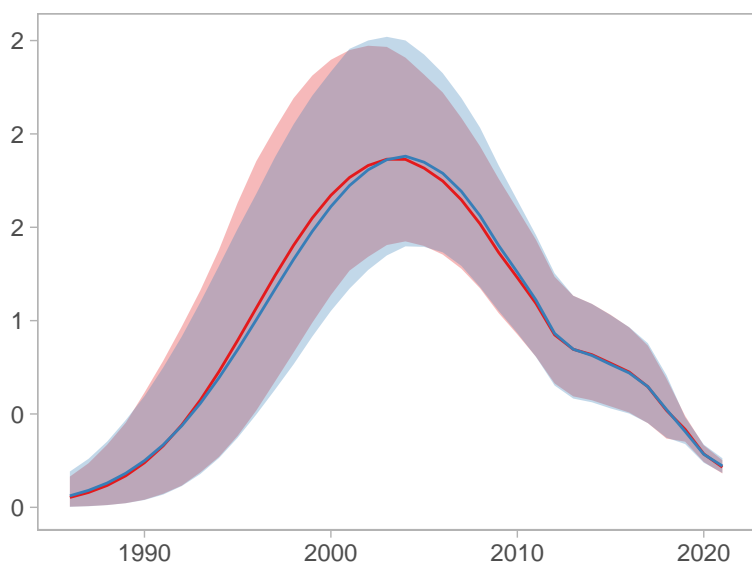
Pregnant women HIV prevalence



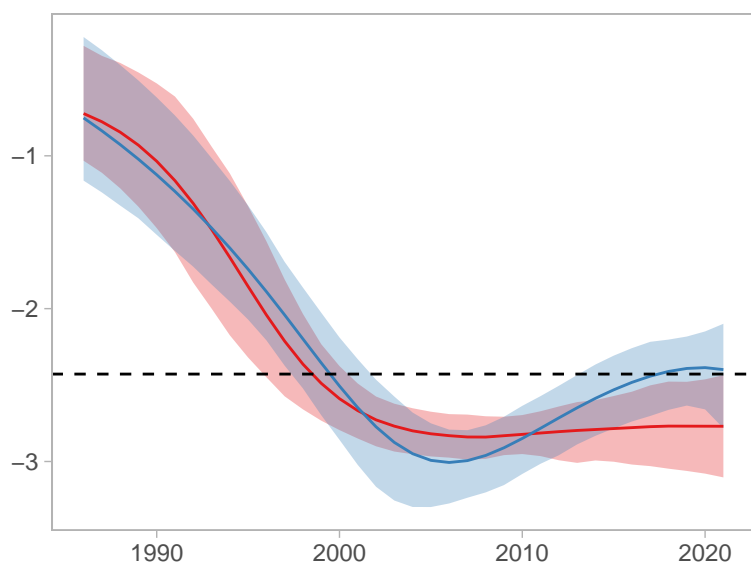
HIV incidence per 1000



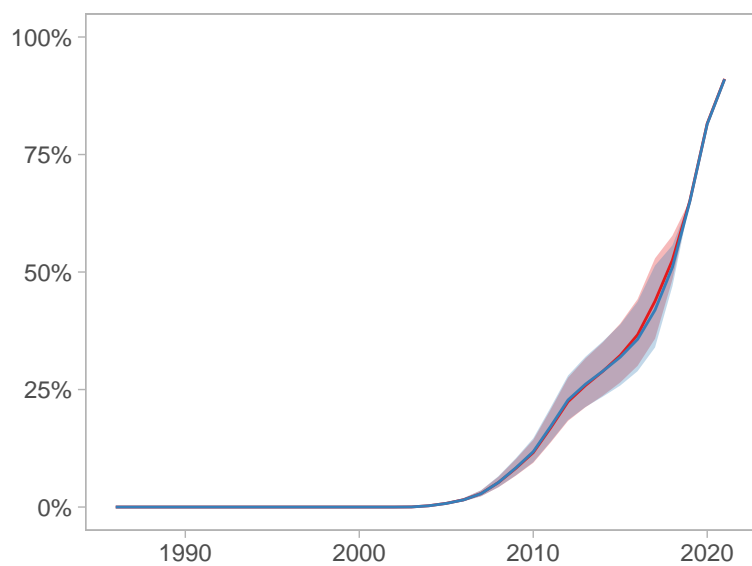
AIDS deaths per 1000 (age 15+)



log r(t)



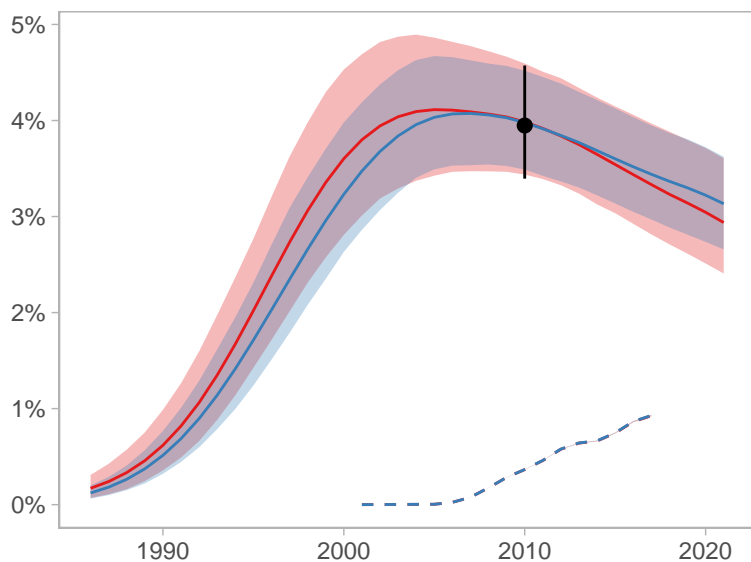
Adult (15+) ART coverage



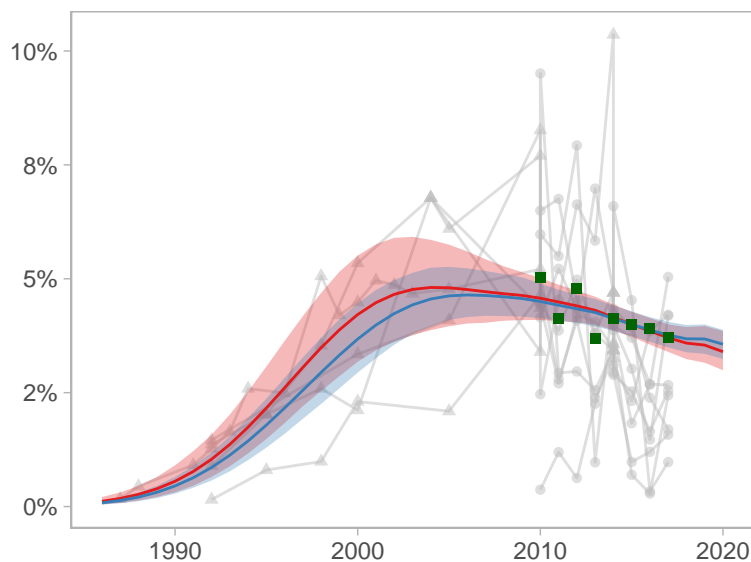
Model: — r-hybrid — r-spline

Guinea-Bissau – Urbaine

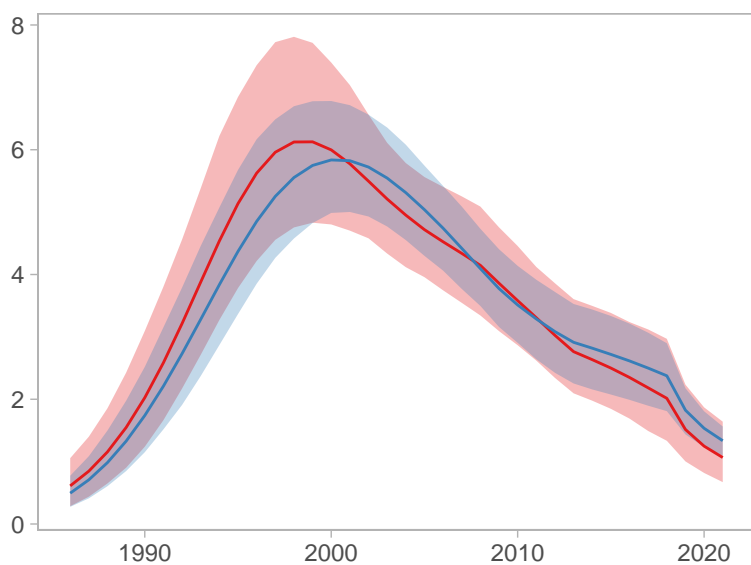
HIV prevalence



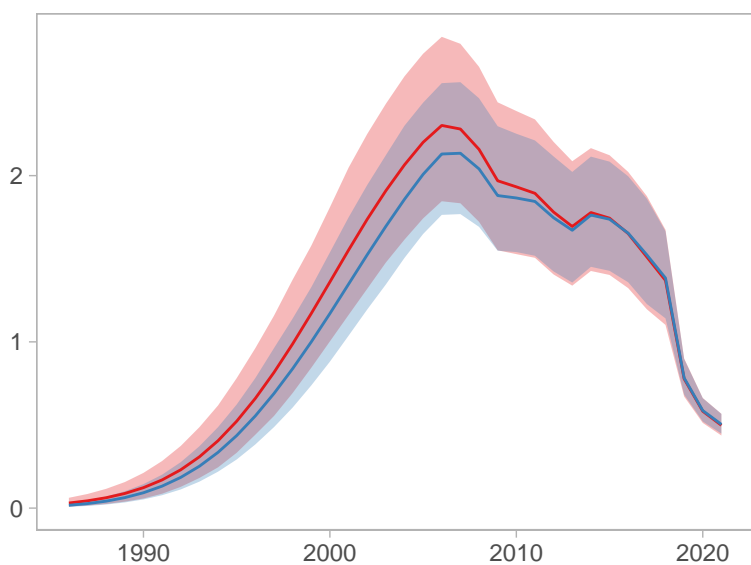
Pregnant women HIV prevalence



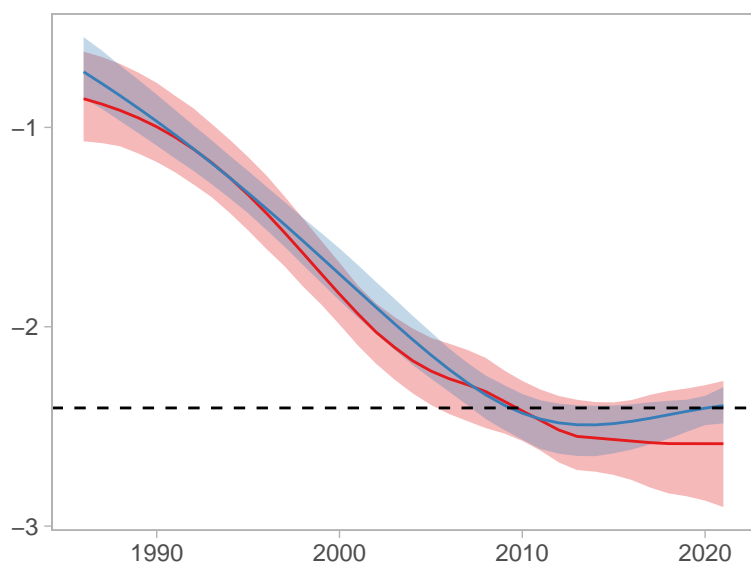
HIV incidence per 1000



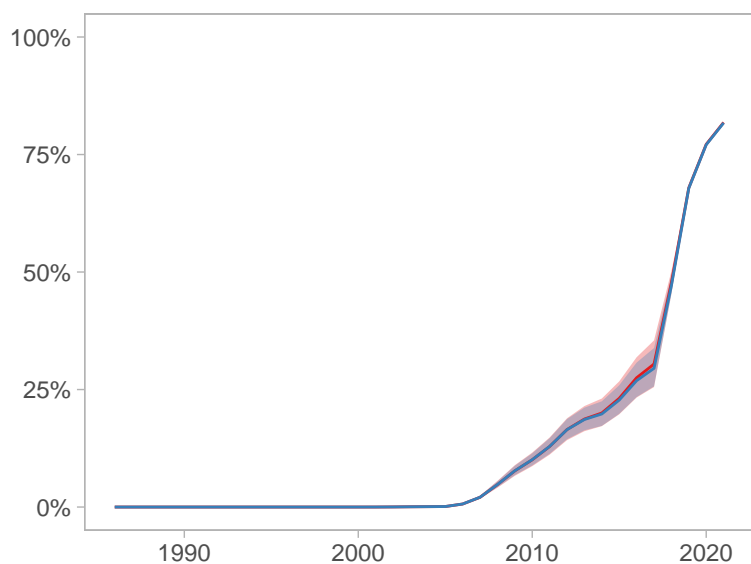
AIDS deaths per 1000 (age 15+)



log r(t)



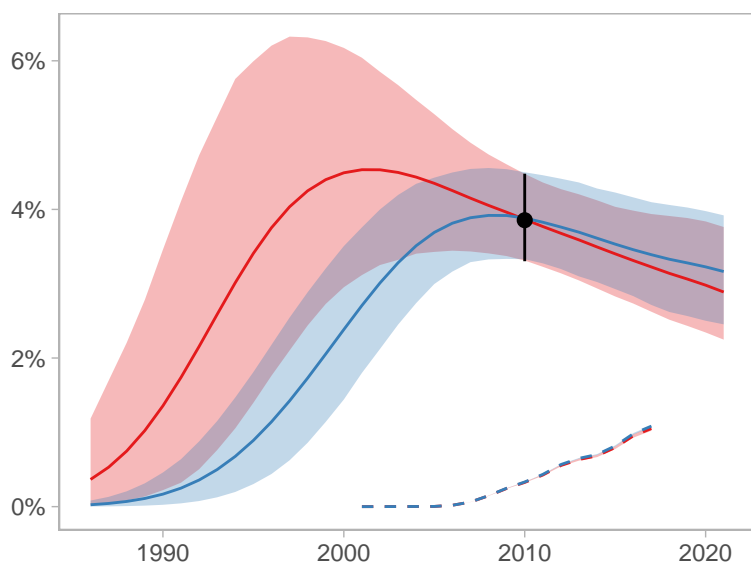
Adult (15+) ART coverage



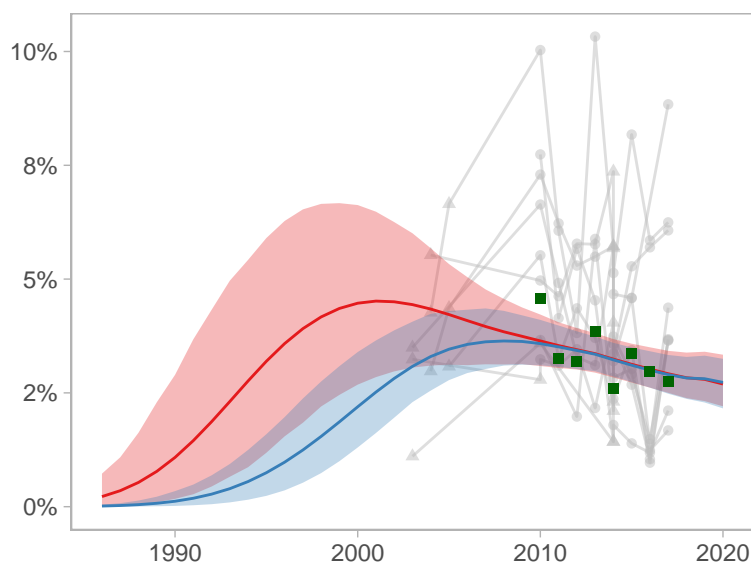
Model: — r-hybrid — r-spline

Guinea-Bissau – Rurale

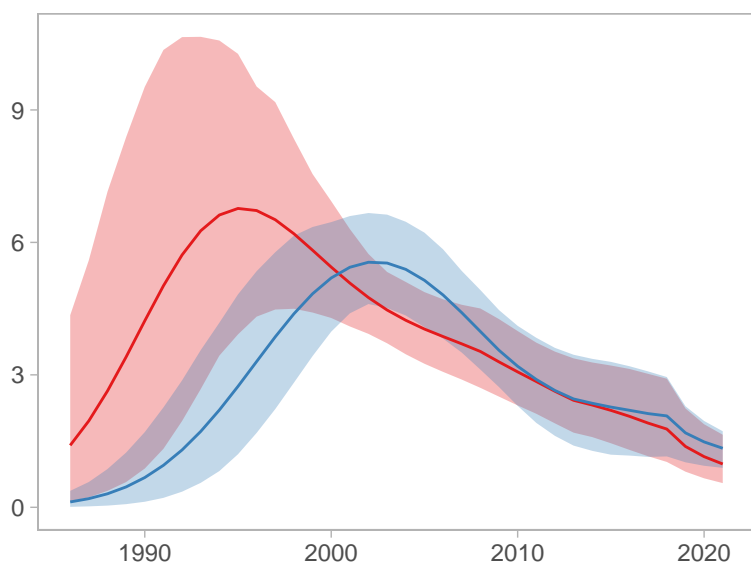
HIV prevalence



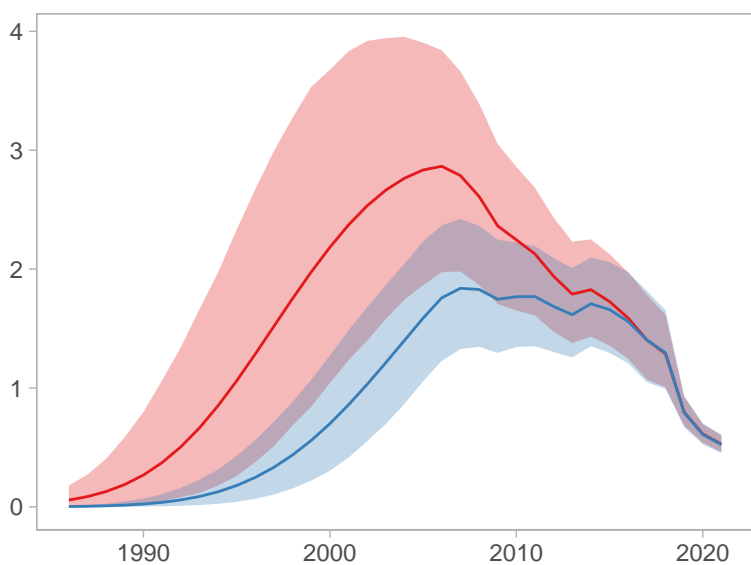
Pregnant women HIV prevalence



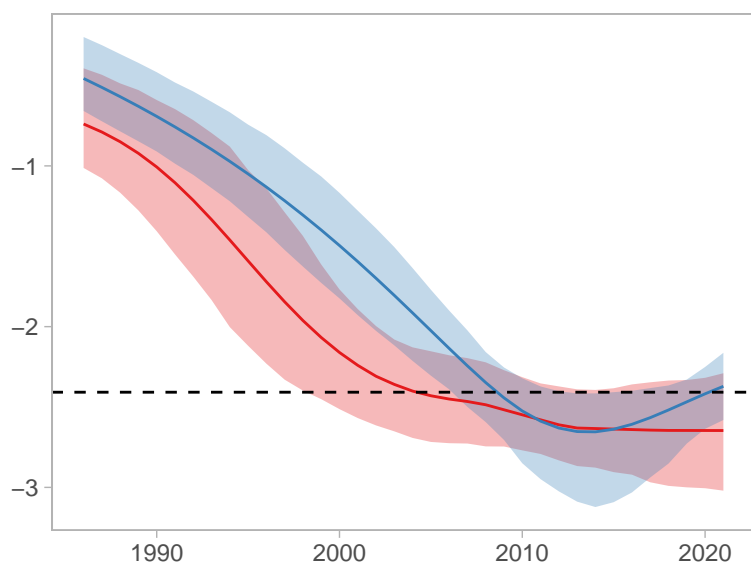
HIV incidence per 1000



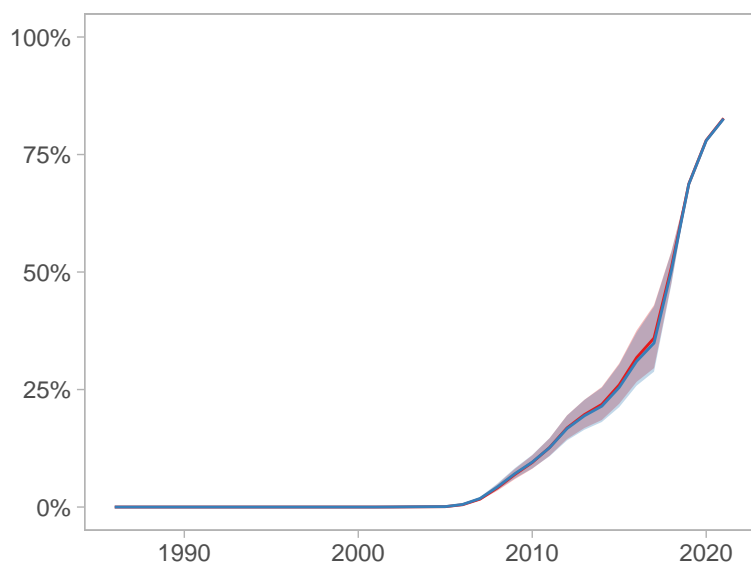
AIDS deaths per 1000 (age 15+)



log r(t)



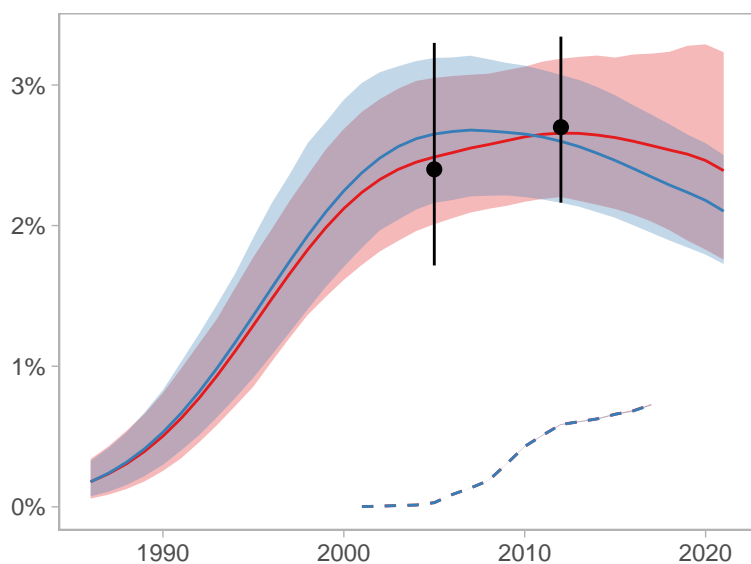
Adult (15+) ART coverage



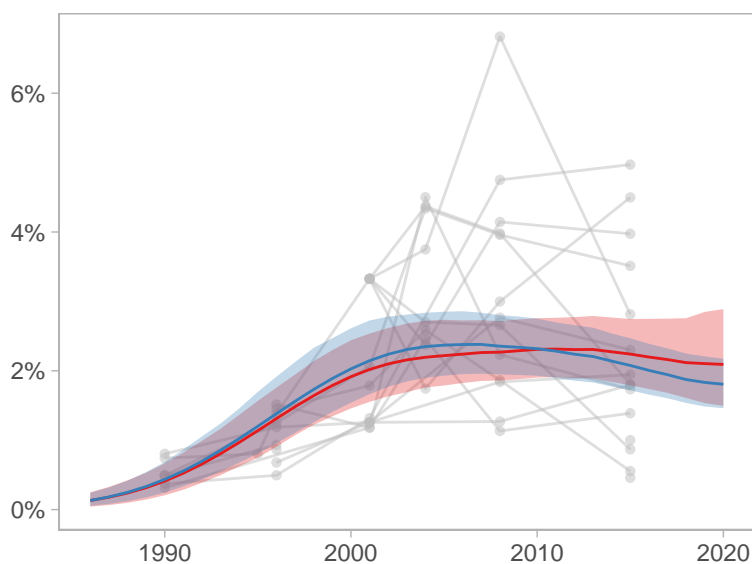
Model: — r-hybrid — r-spline

Guinea – Urbain

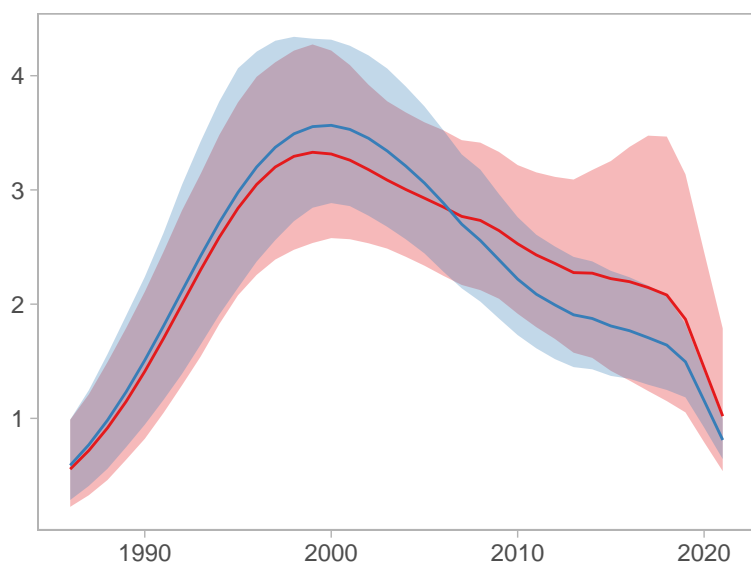
HIV prevalence



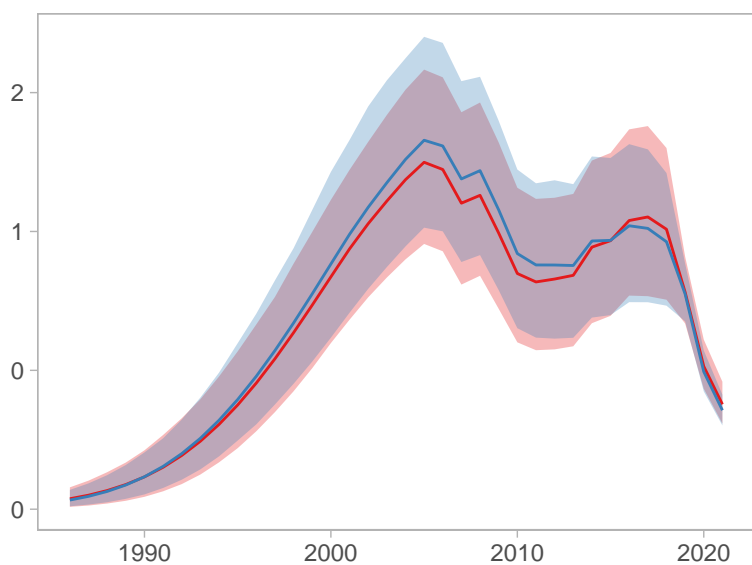
Pregnant women HIV prevalence



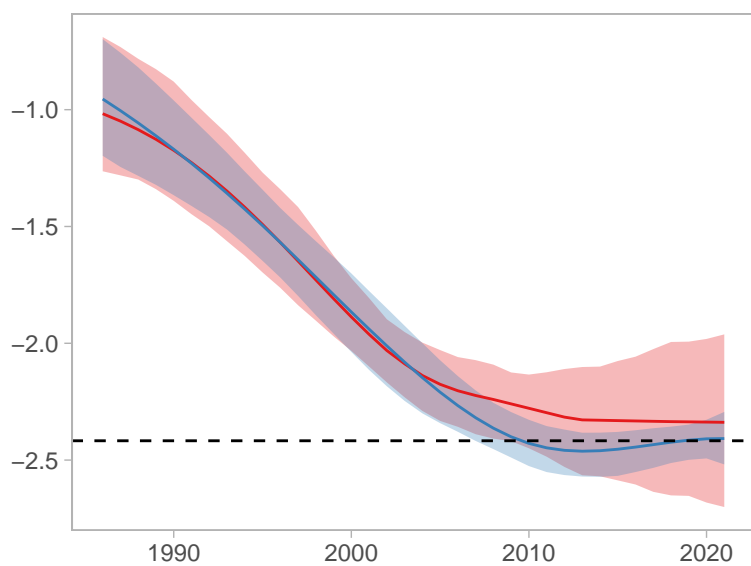
HIV incidence per 1000



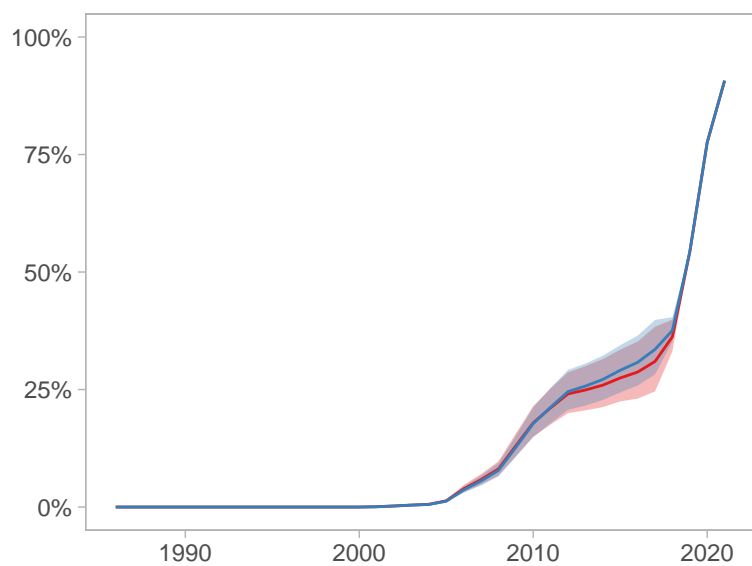
AIDS deaths per 1000 (age 15+)



log r(t)

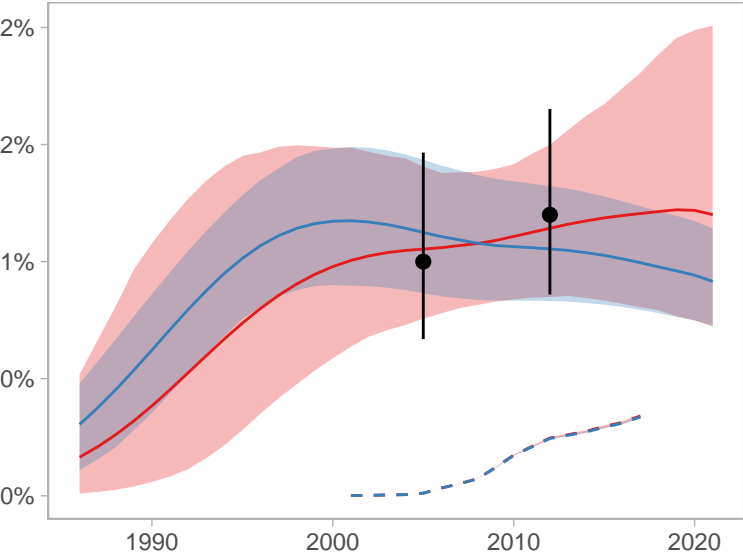


Adult (15+) ART coverage

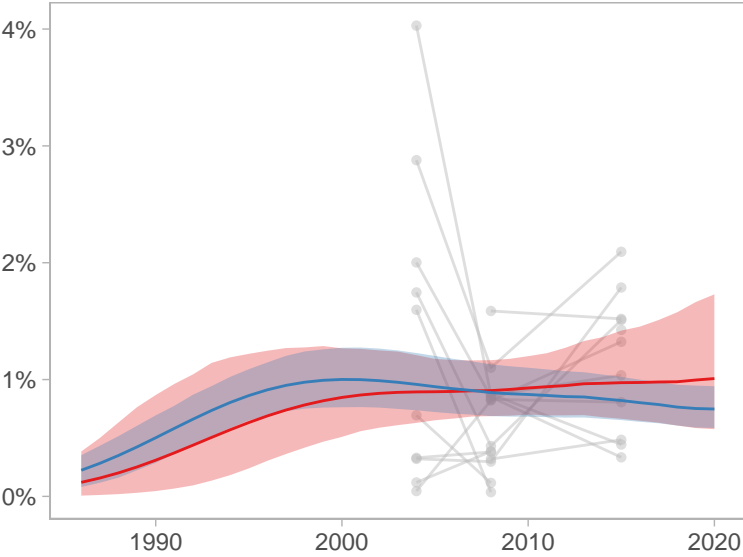


Model: — r-hybrid — r-spline

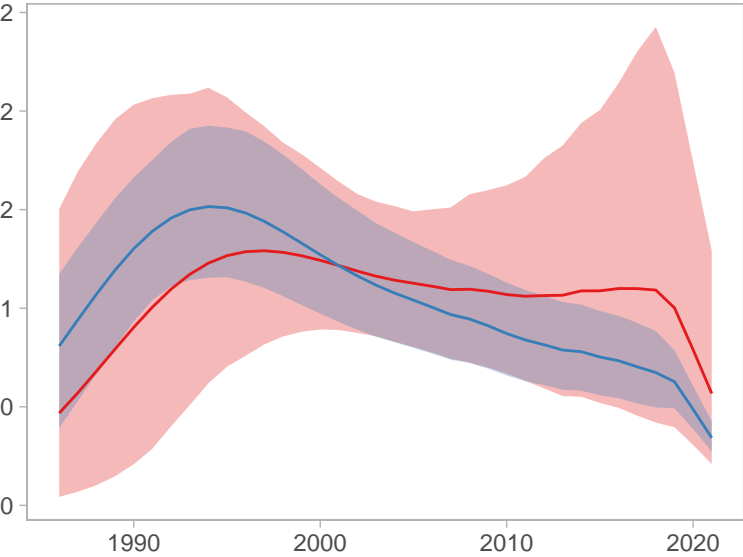
Guinea – Rural
HIV prevalence



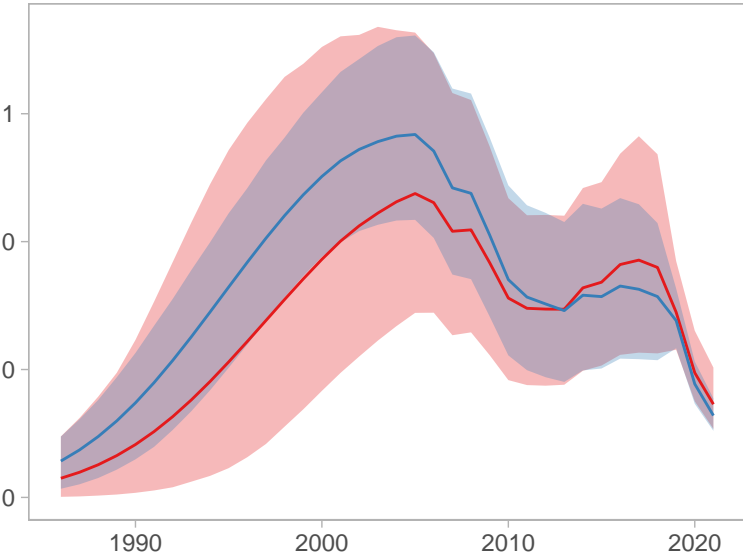
Pregnant women HIV prevalence



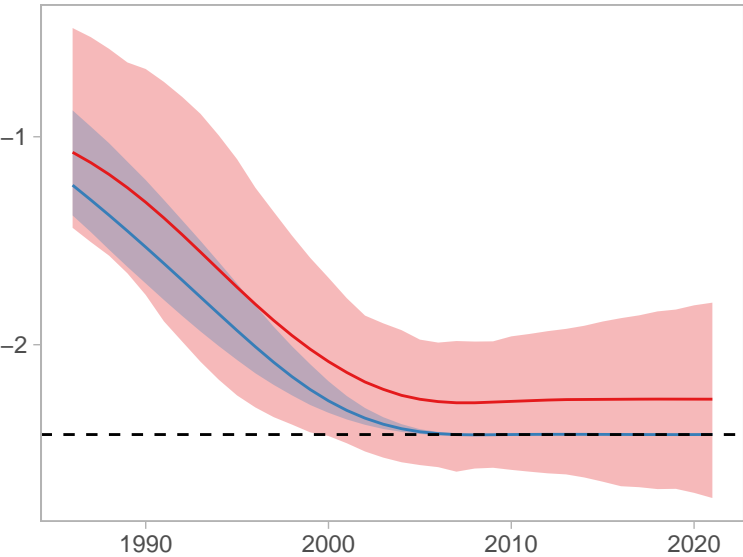
HIV incidence per 1000



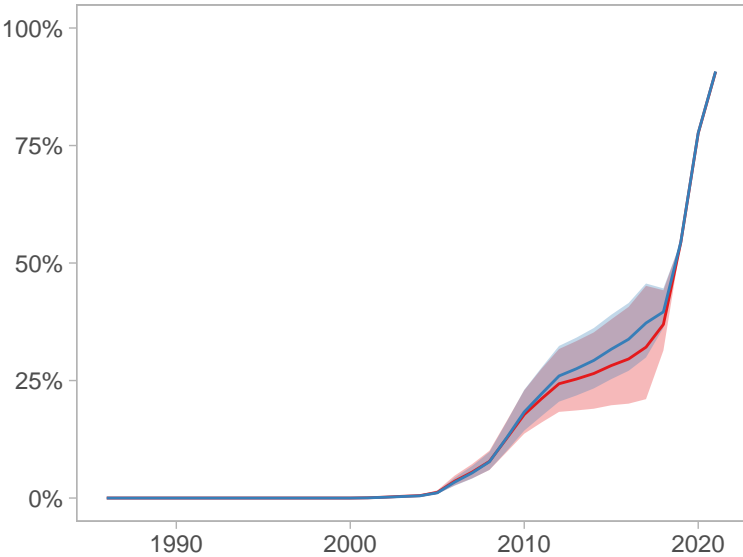
AIDS deaths per 1000 (age 15+)



log r(t)



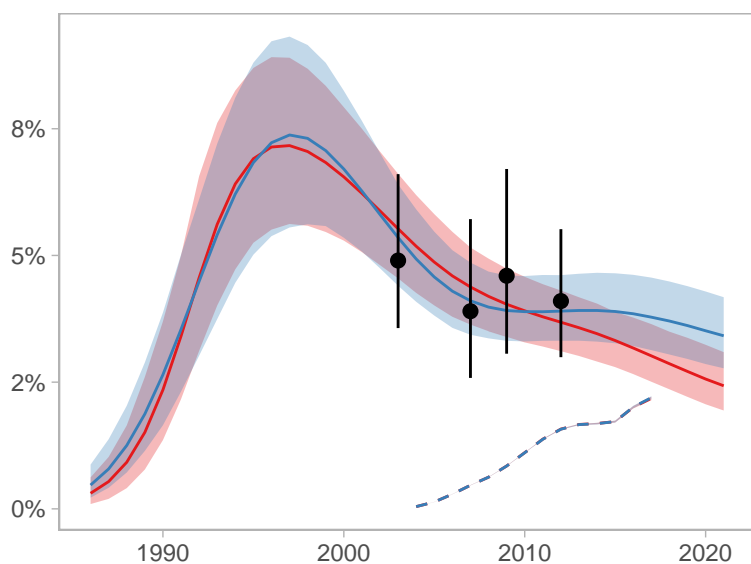
Adult (15+) ART coverage



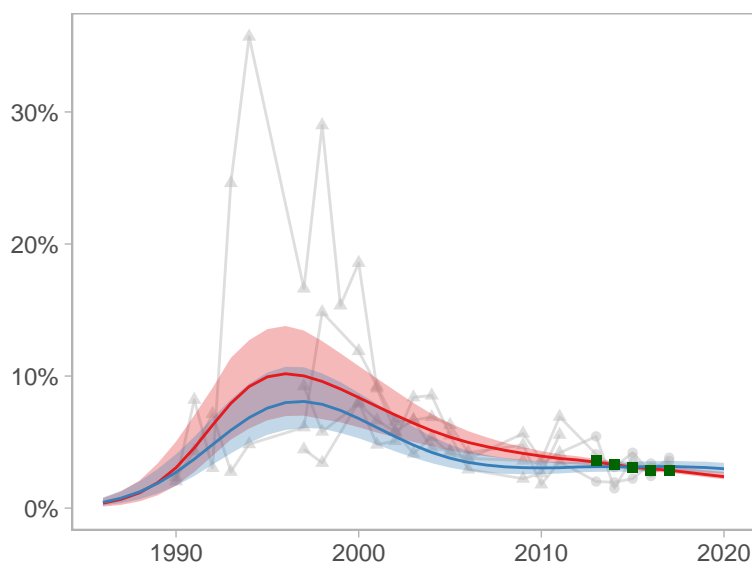
Model: r-hybrid r-spline

Kenya – Central

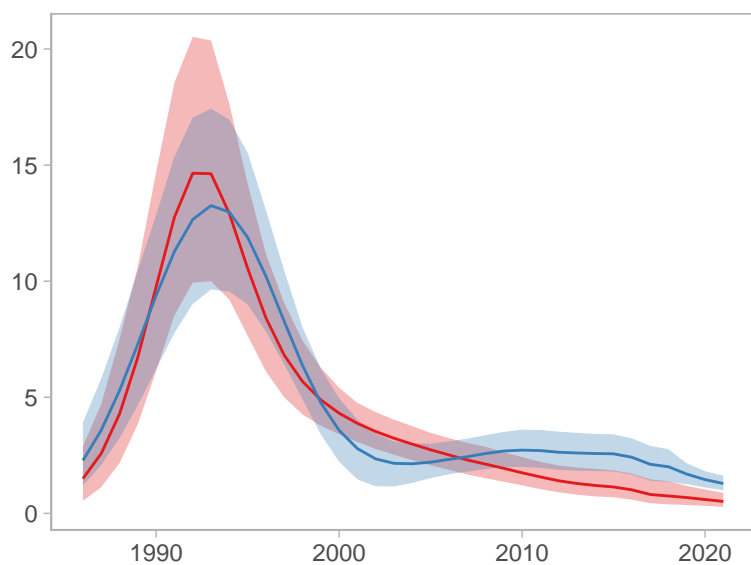
HIV prevalence



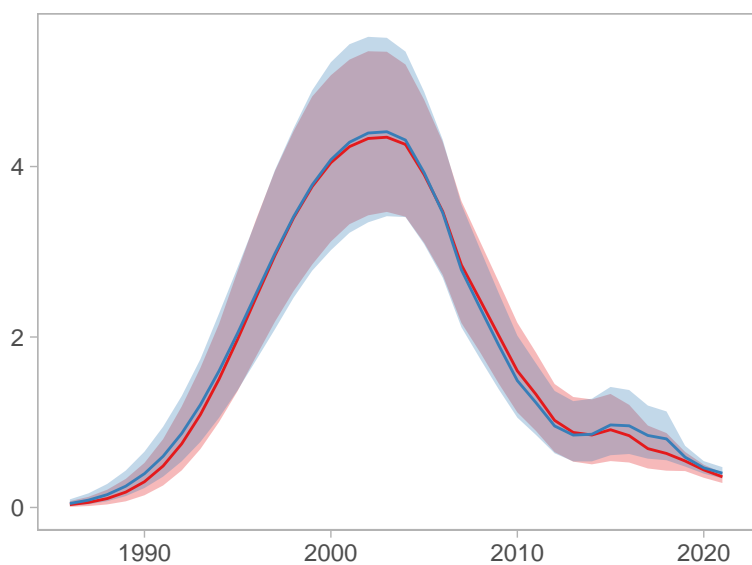
Pregnant women HIV prevalence



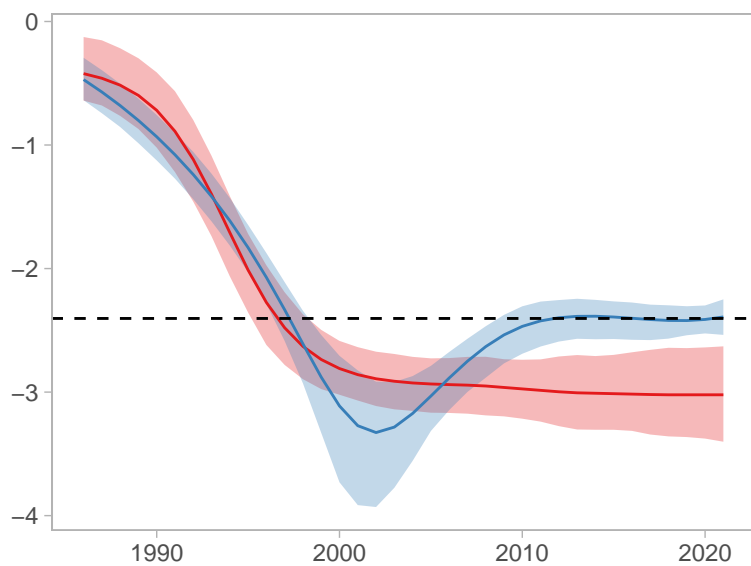
HIV incidence per 1000



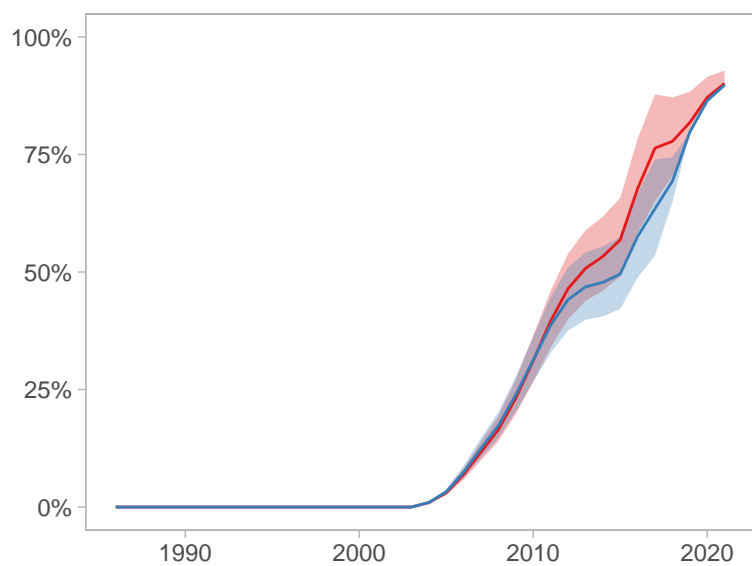
AIDS deaths per 1000 (age 15+)



log r(t)



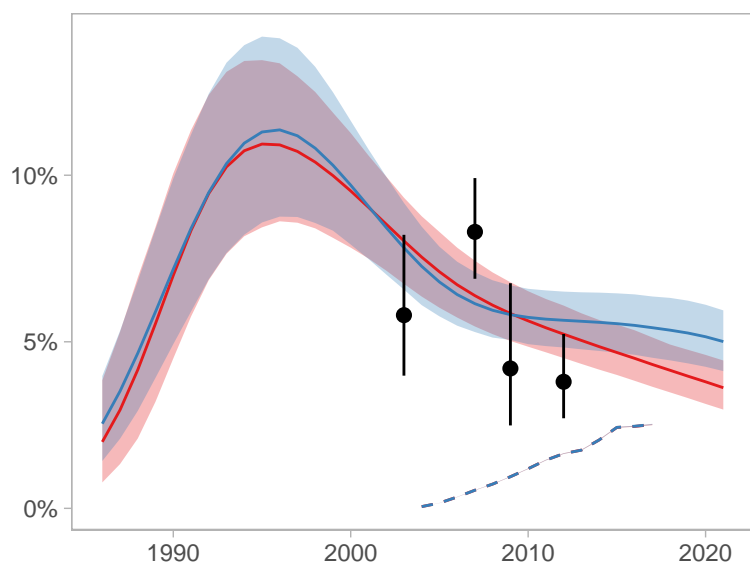
Adult (15+) ART coverage



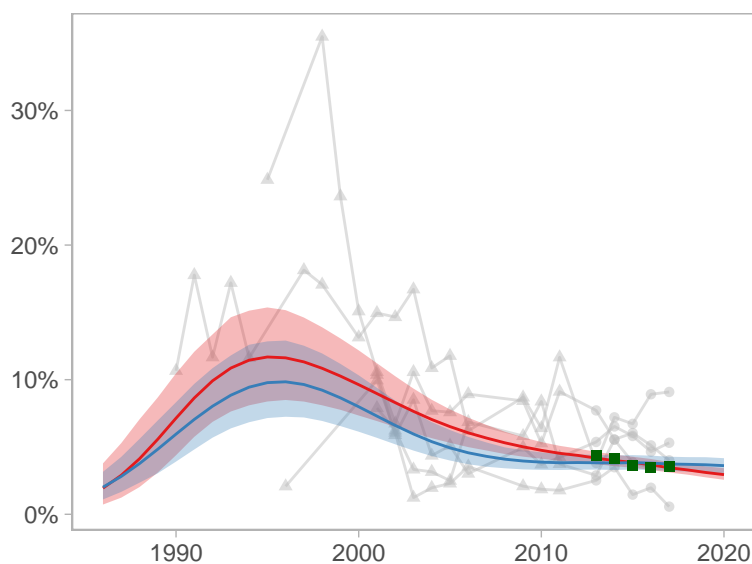
Model: — r-hybrid — r-spline

Kenya – Coast

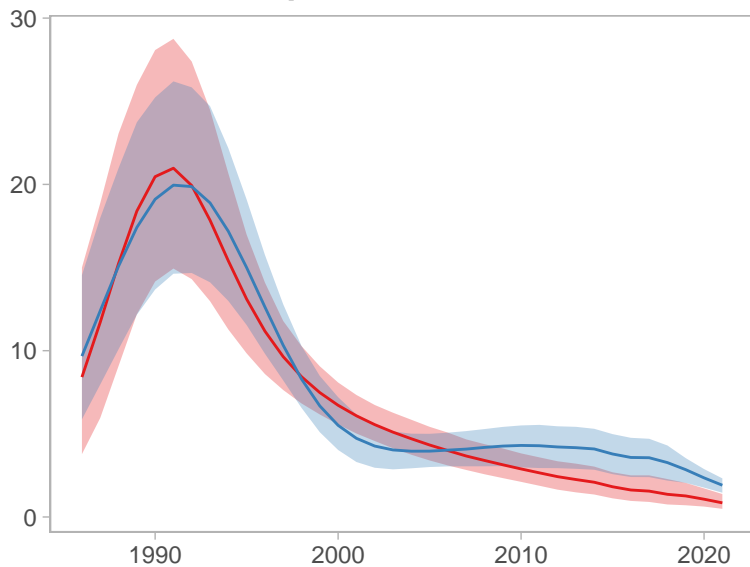
HIV prevalence



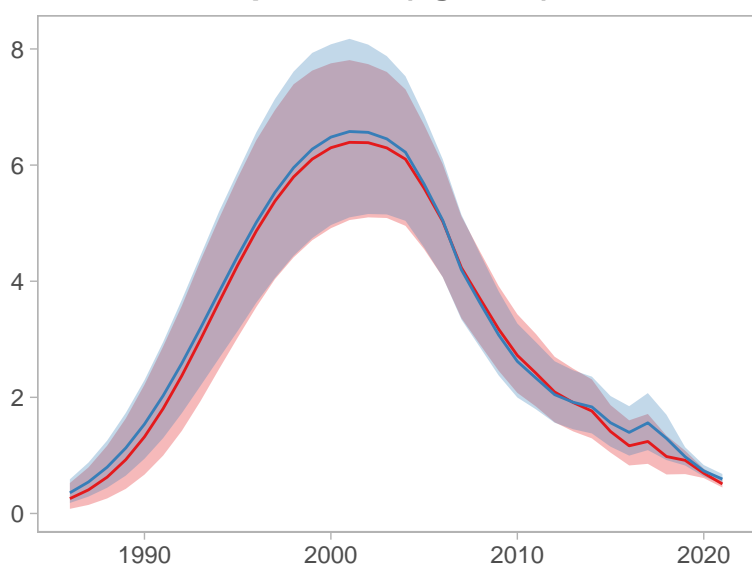
Pregnant women HIV prevalence



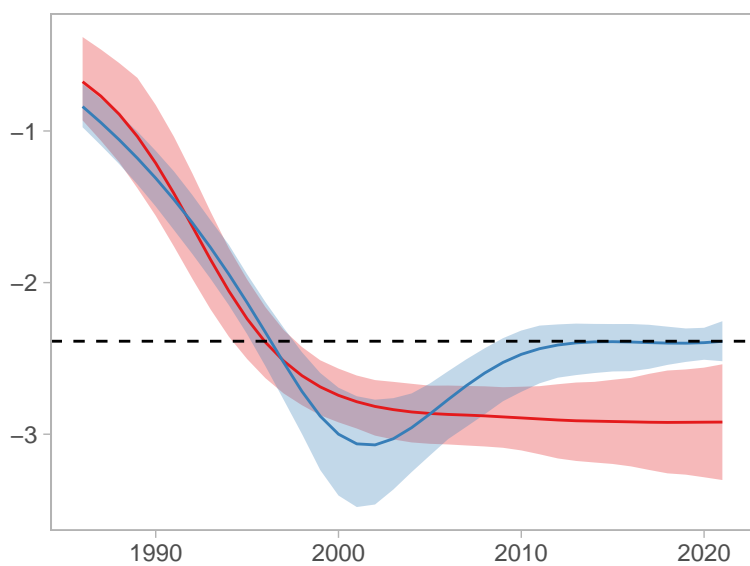
HIV incidence per 1000



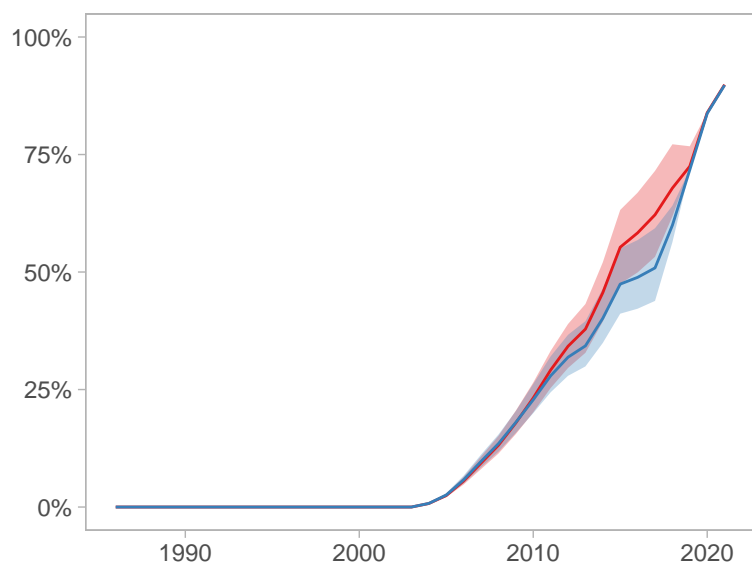
AIDS deaths per 1000 (age 15+)



log r(t)



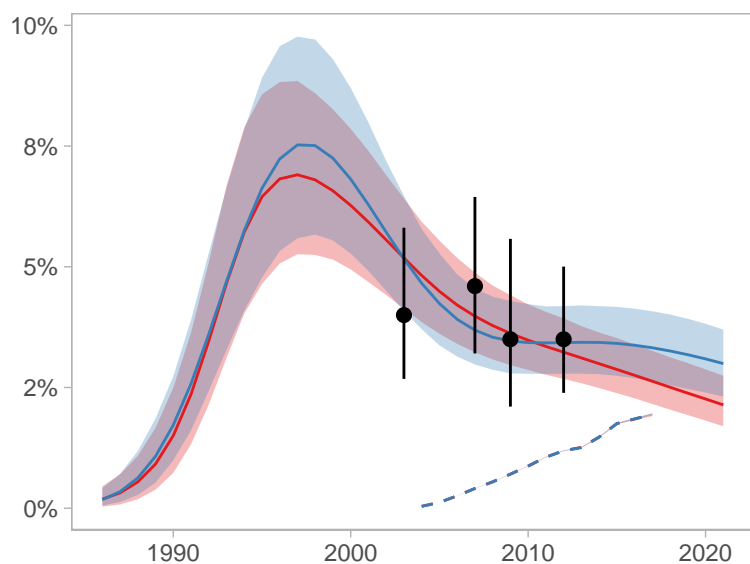
Adult (15+) ART coverage



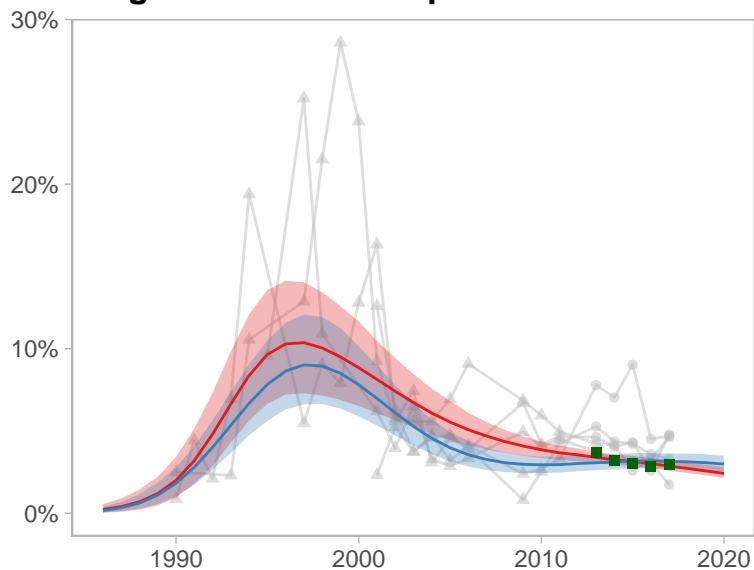
Model: — r-hybrid — r-spline

Kenya – Eastern

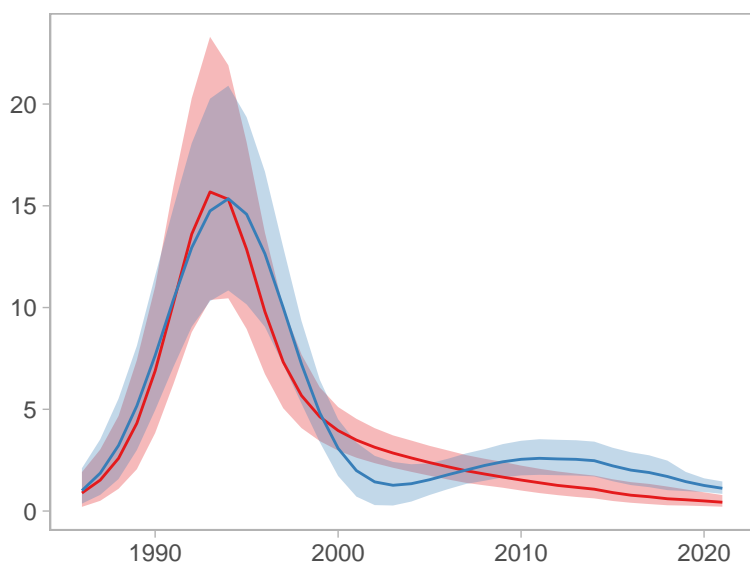
HIV prevalence



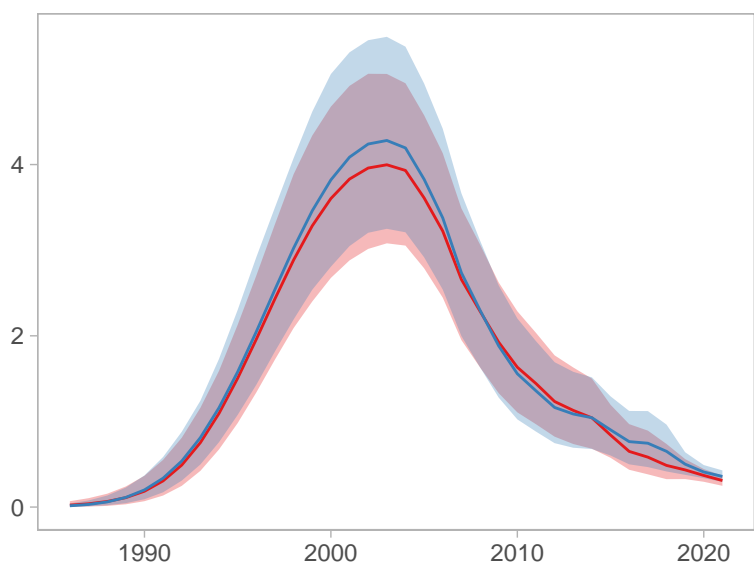
Pregnant women HIV prevalence



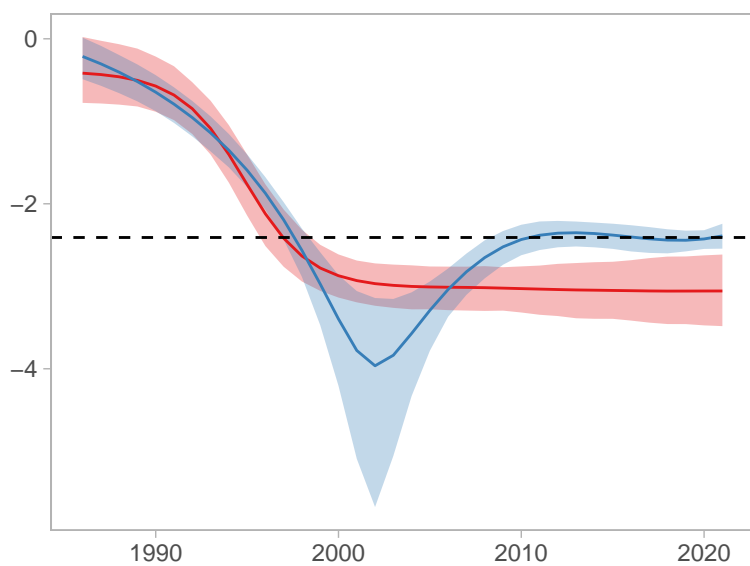
HIV incidence per 1000



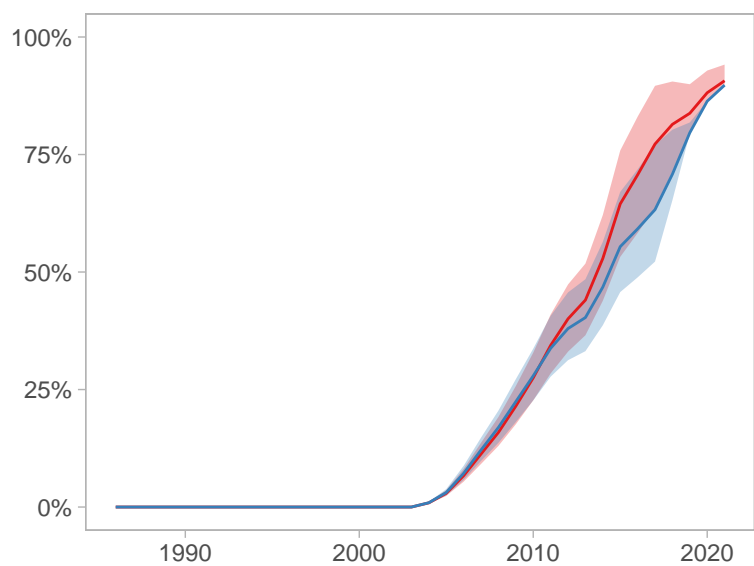
AIDS deaths per 1000 (age 15+)



log r(t)



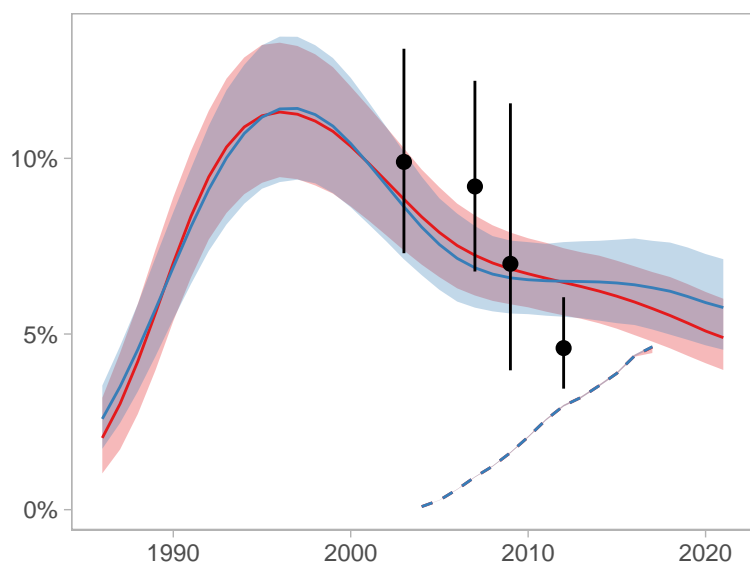
Adult (15+) ART coverage



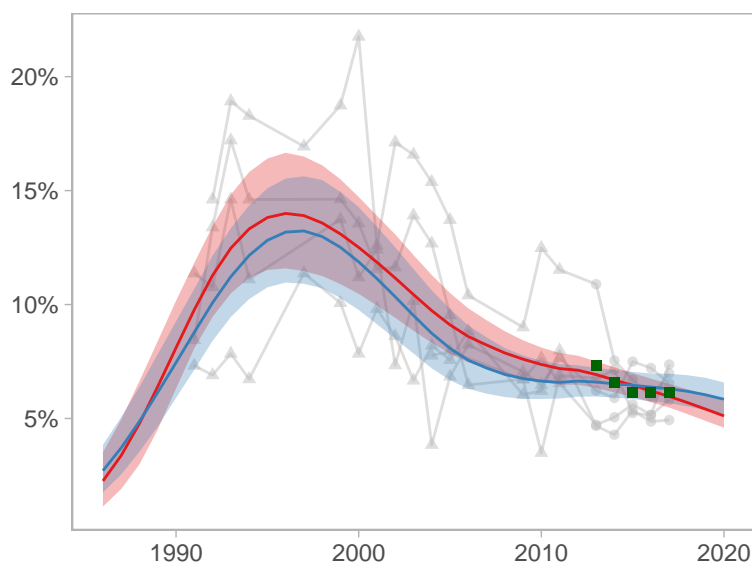
Model: — r-hybrid — r-spline

Kenya – Nairobi

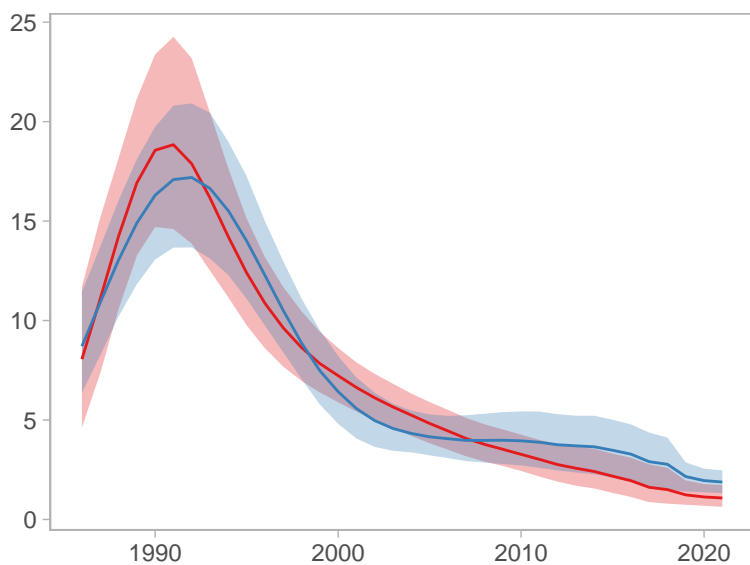
HIV prevalence



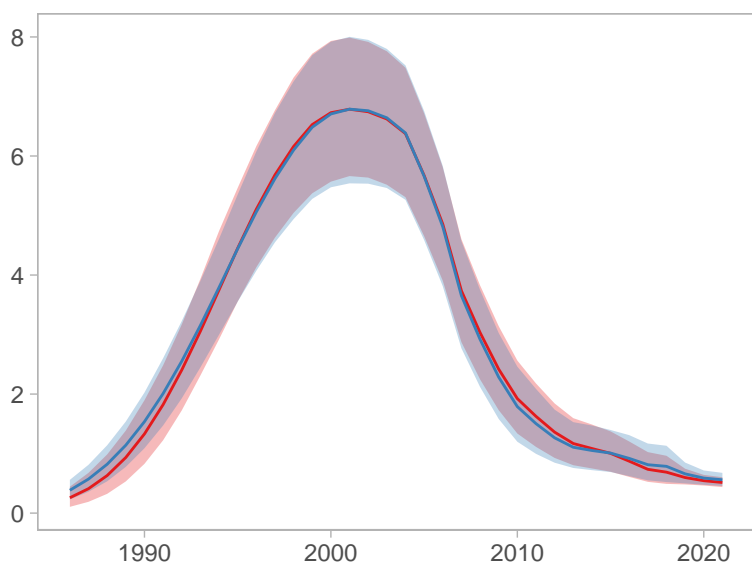
Pregnant women HIV prevalence



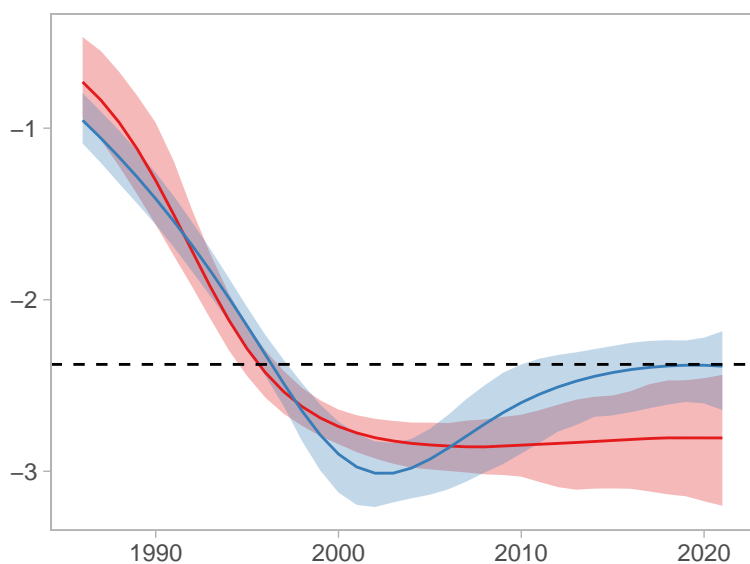
HIV incidence per 1000



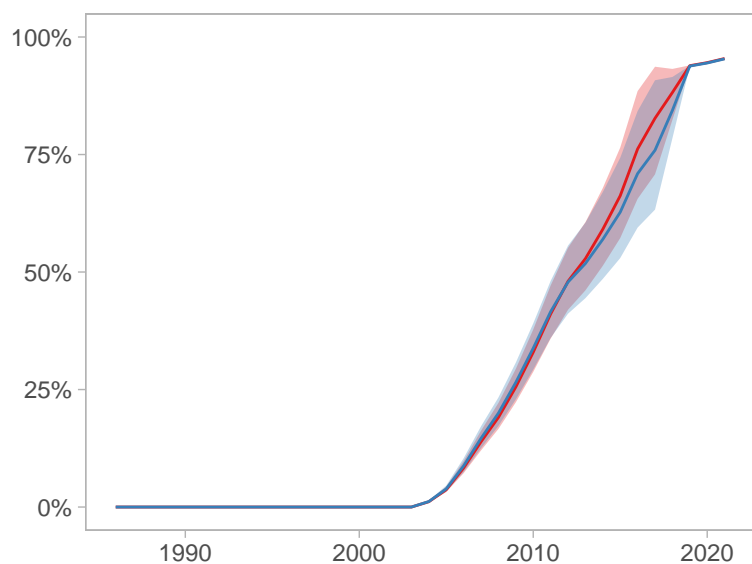
AIDS deaths per 1000 (age 15+)



log r(t)



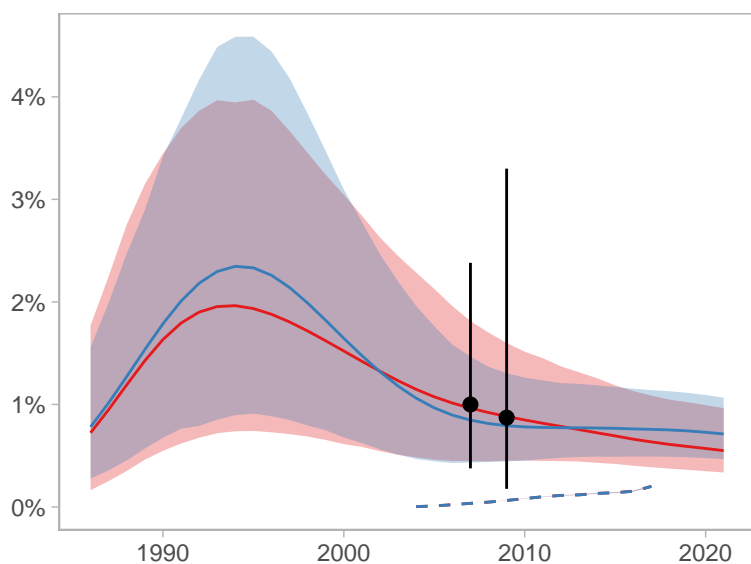
Adult (15+) ART coverage



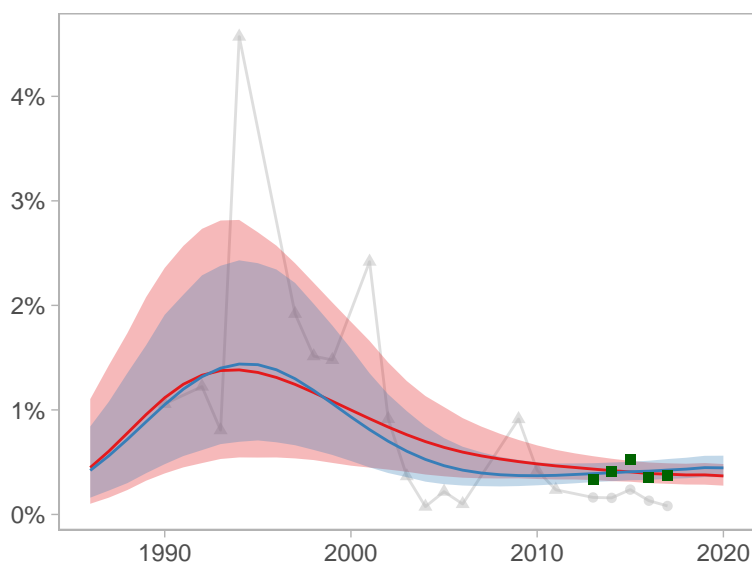
Model: — r-hybrid — r-spline

Kenya – North Eastern

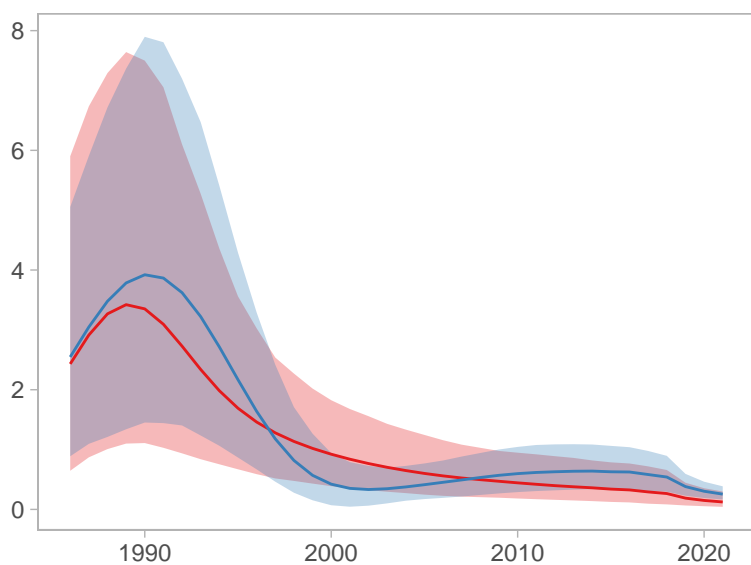
HIV prevalence



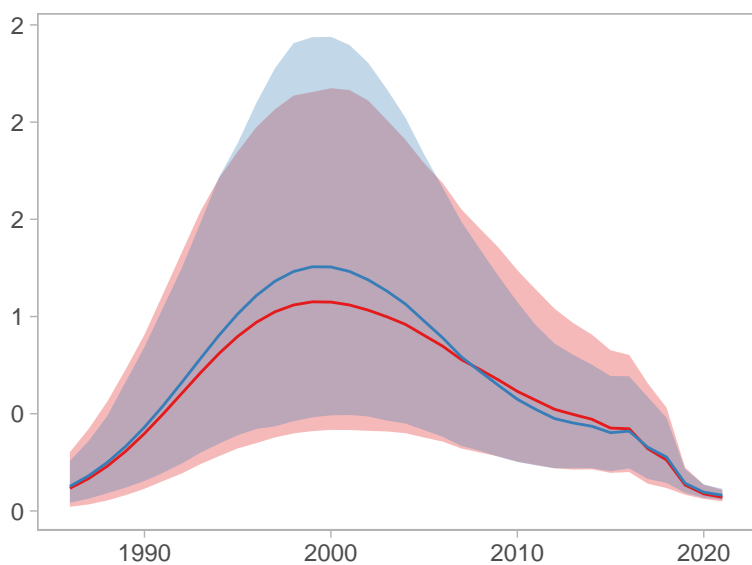
Pregnant women HIV prevalence



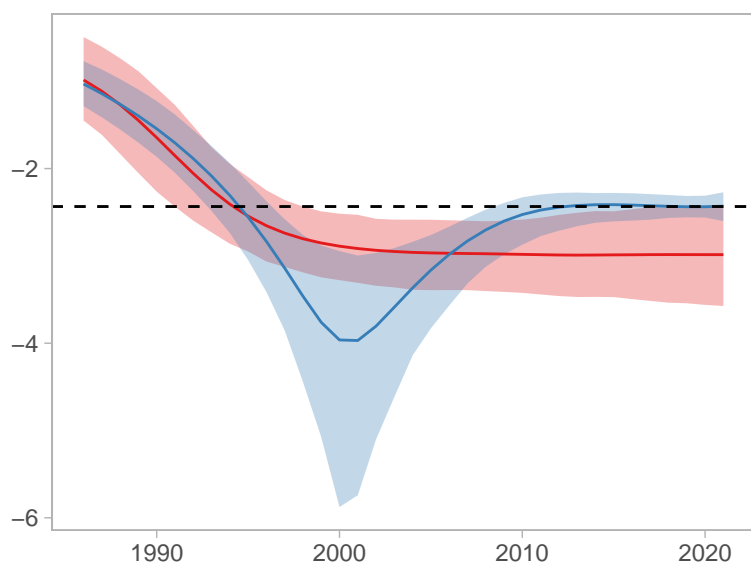
HIV incidence per 1000



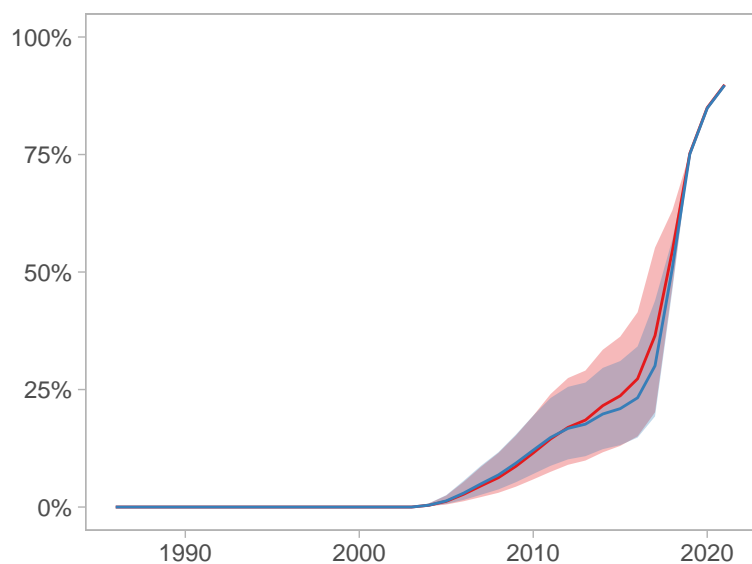
AIDS deaths per 1000 (age 15+)



log r(t)



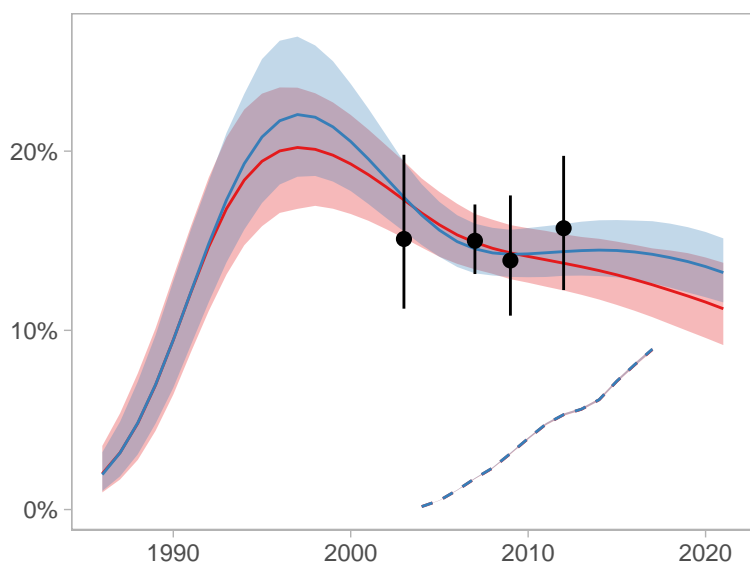
Adult (15+) ART coverage



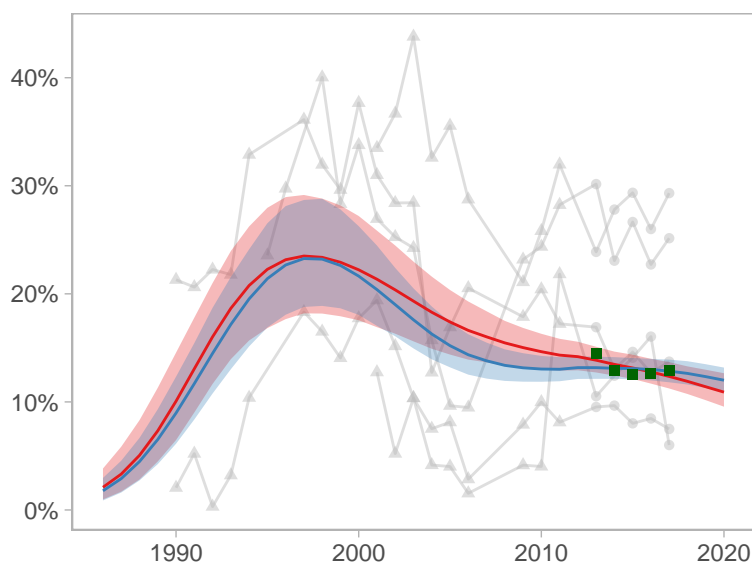
Model: — r-hybrid — r-spline

Kenya – Nyanza

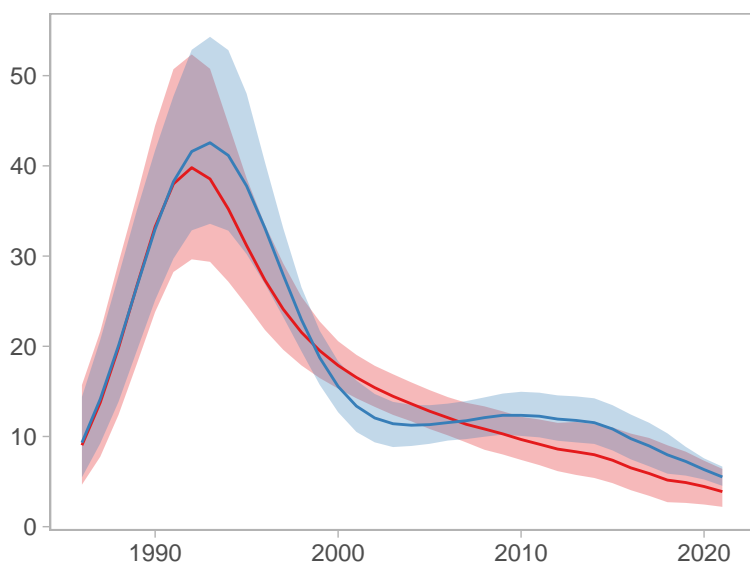
HIV prevalence



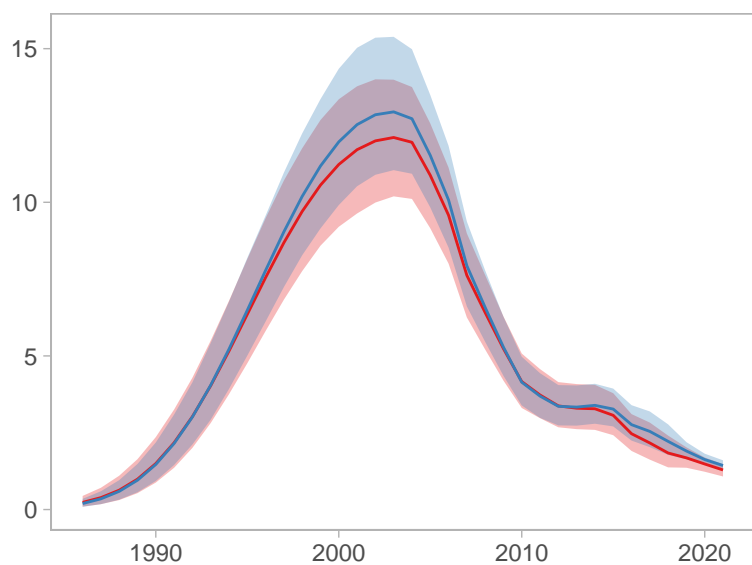
Pregnant women HIV prevalence



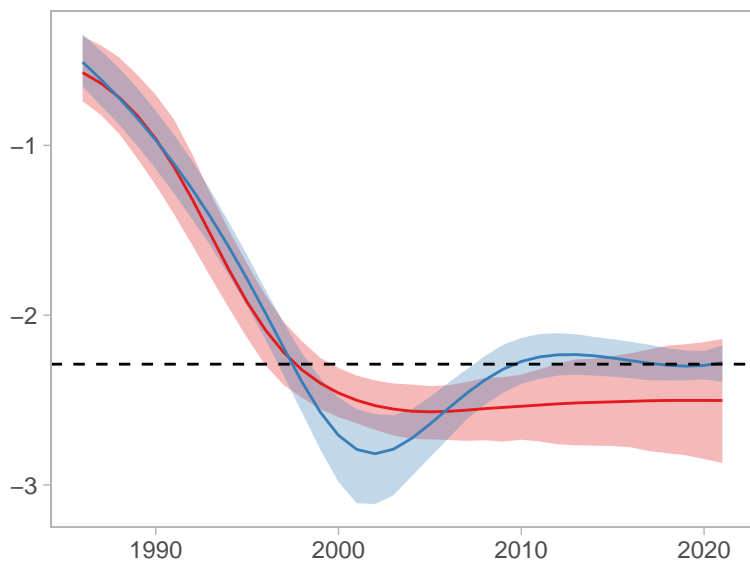
HIV incidence per 1000



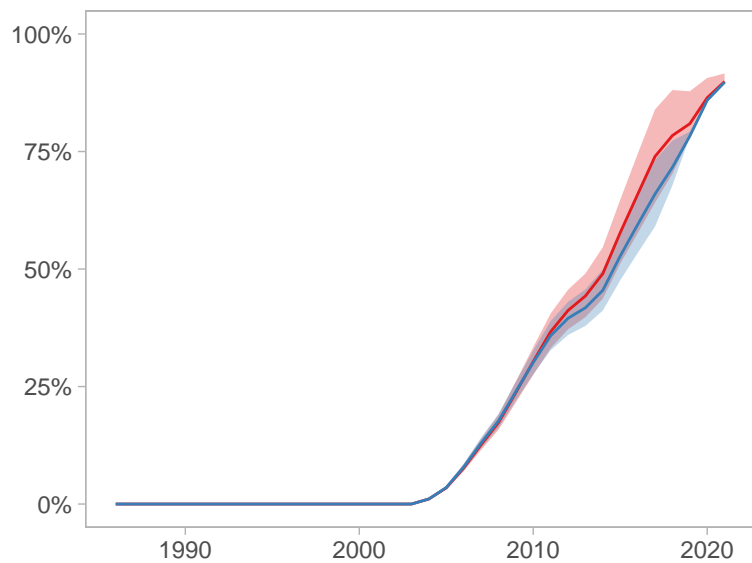
AIDS deaths per 1000 (age 15+)



log r(t)



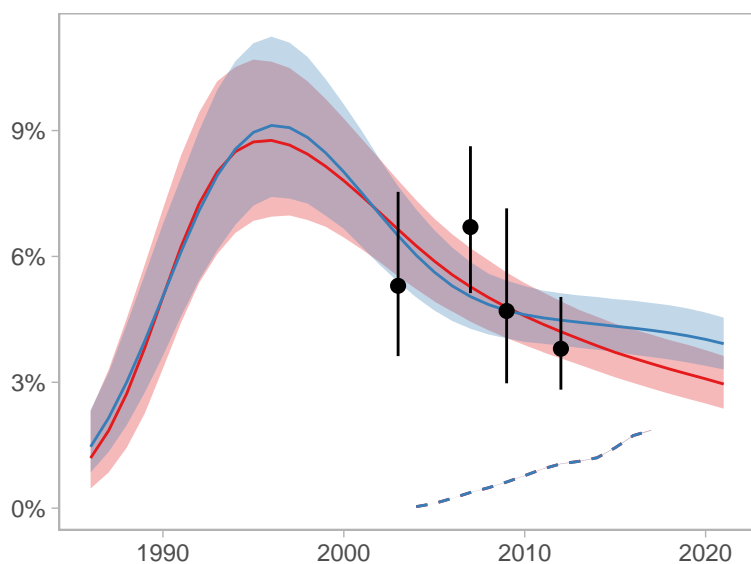
Adult (15+) ART coverage



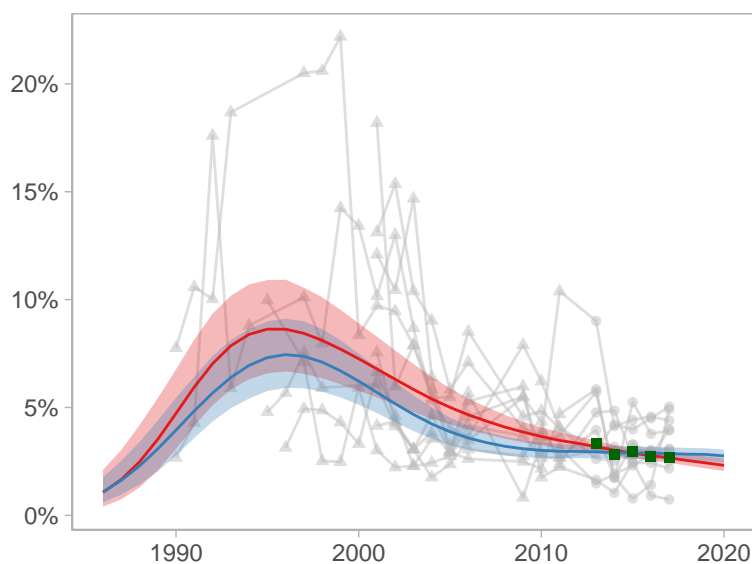
Model: — r-hybrid — r-spline

Kenya – Rift Valley

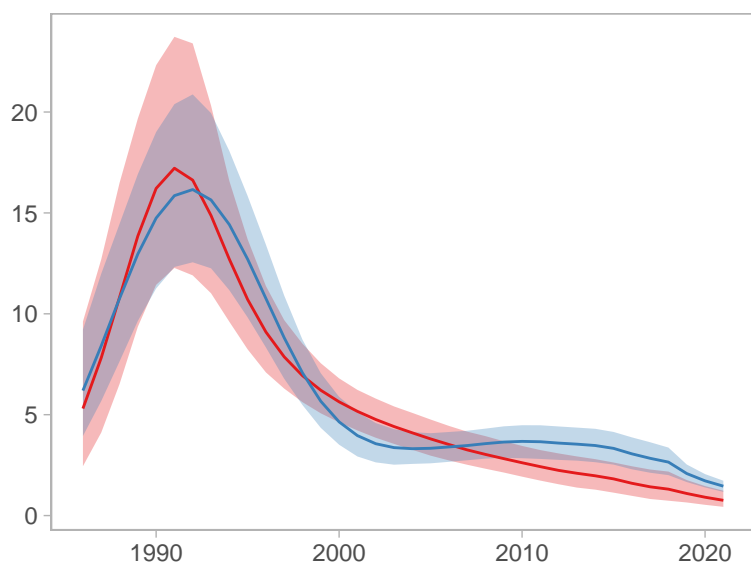
HIV prevalence



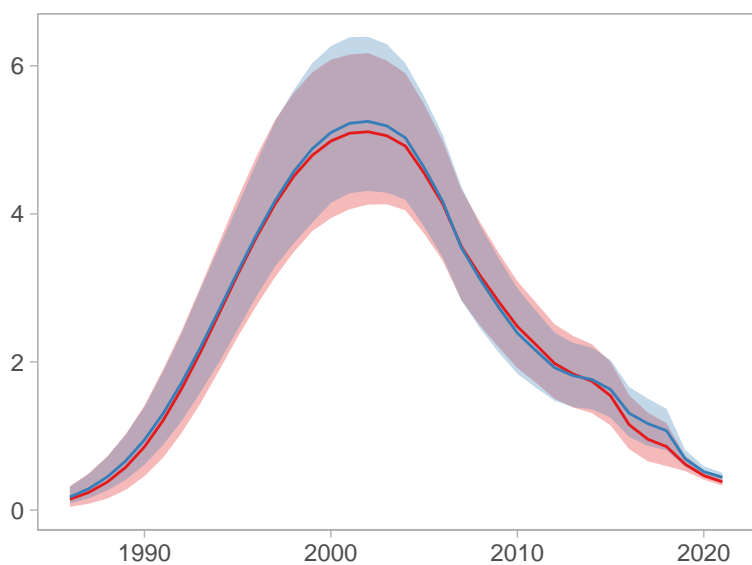
Pregnant women HIV prevalence



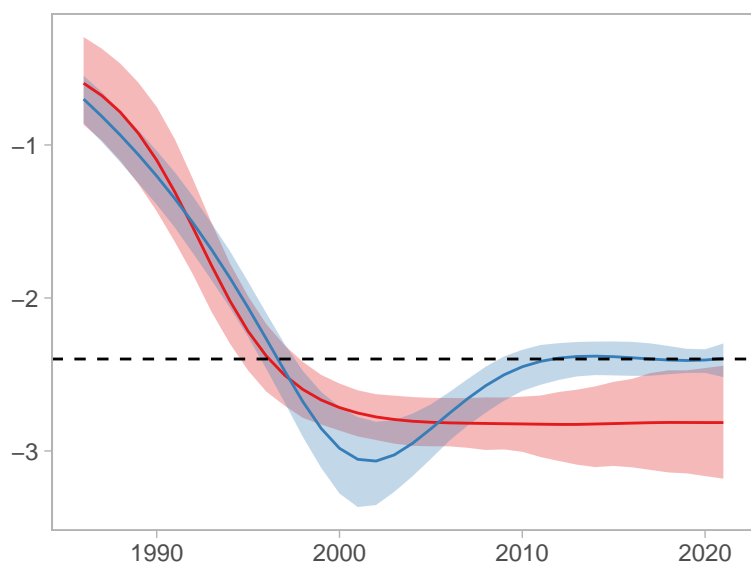
HIV incidence per 1000



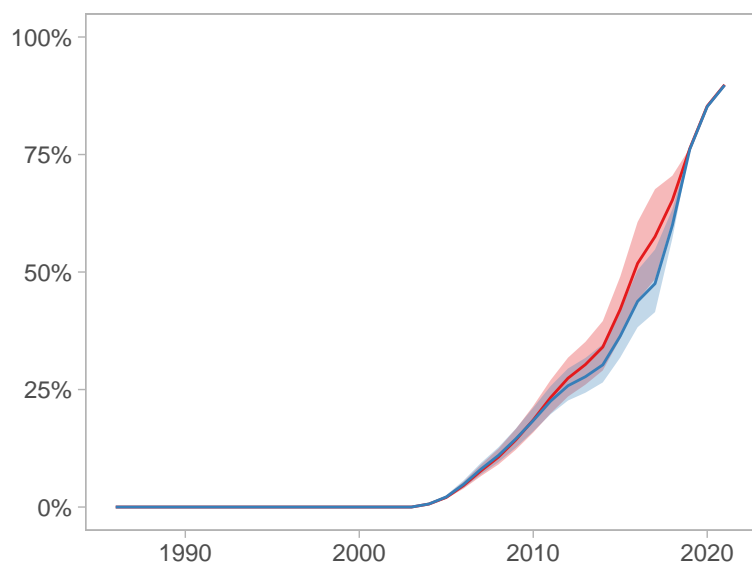
AIDS deaths per 1000 (age 15+)



log r(t)



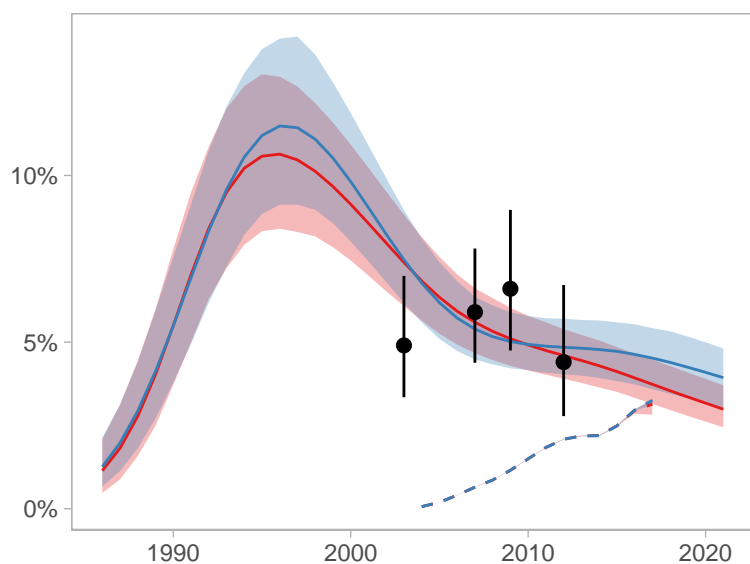
Adult (15+) ART coverage



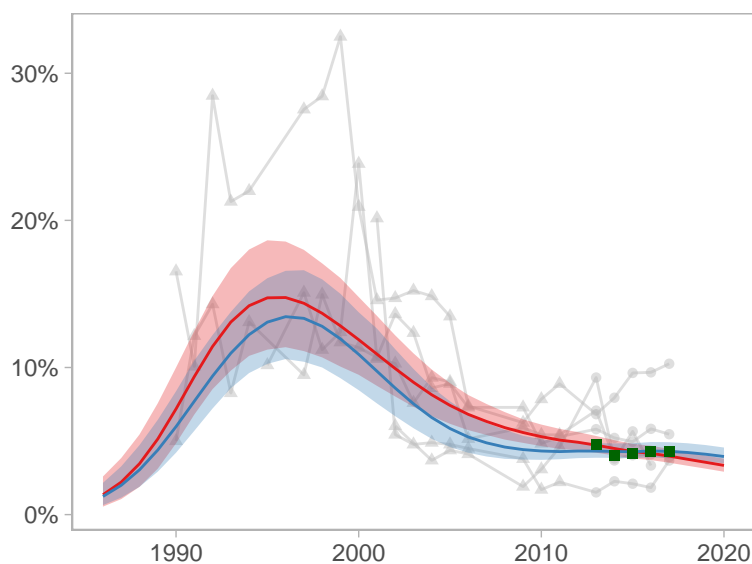
Model: — r-hybrid — r-spline

Kenya – Western

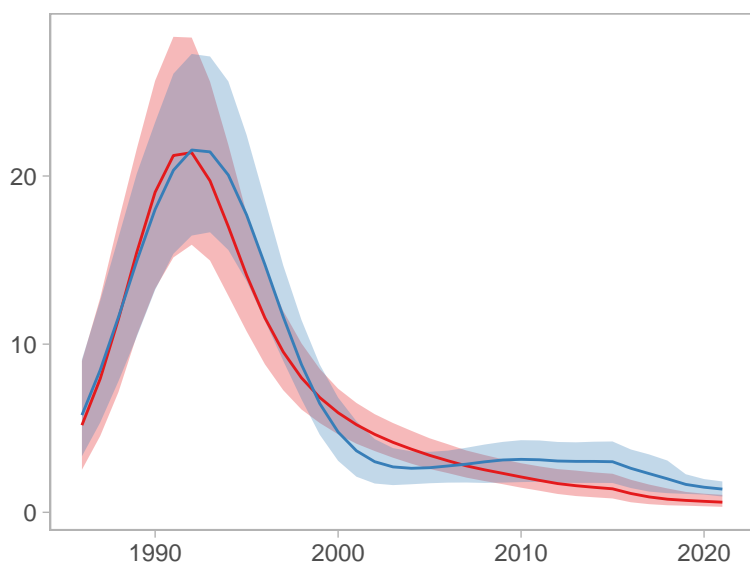
HIV prevalence



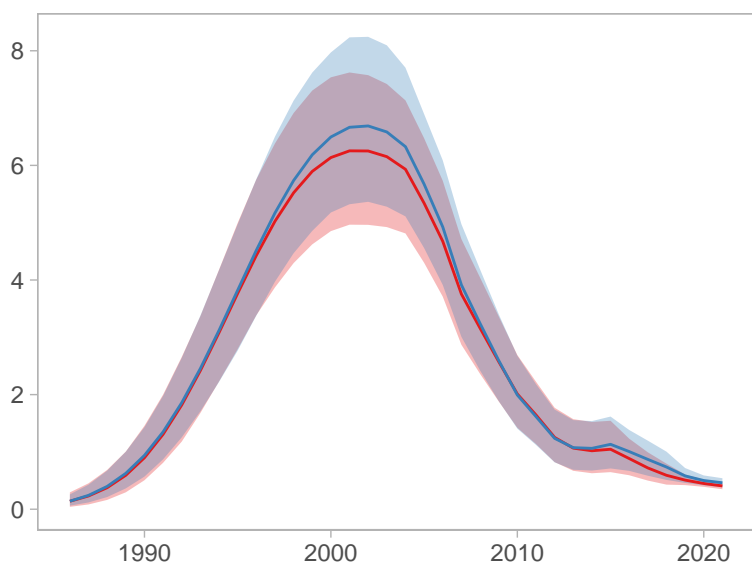
Pregnant women HIV prevalence



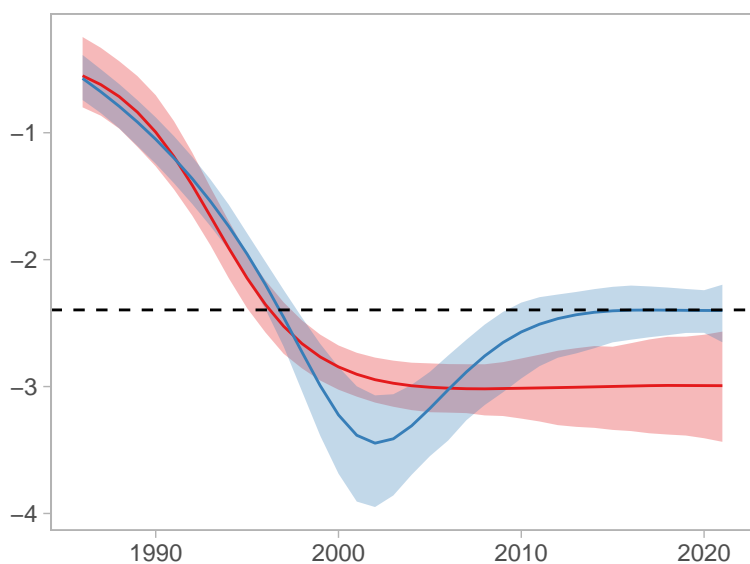
HIV incidence per 1000



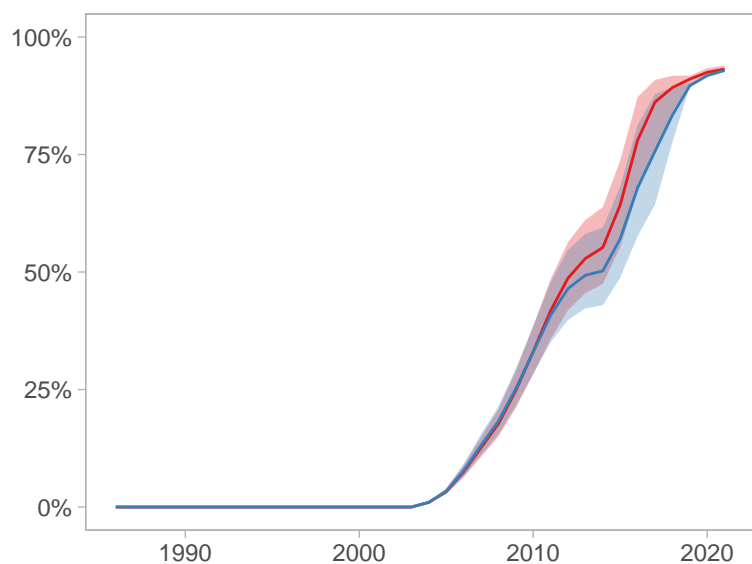
AIDS deaths per 1000 (age 15+)



log r(t)



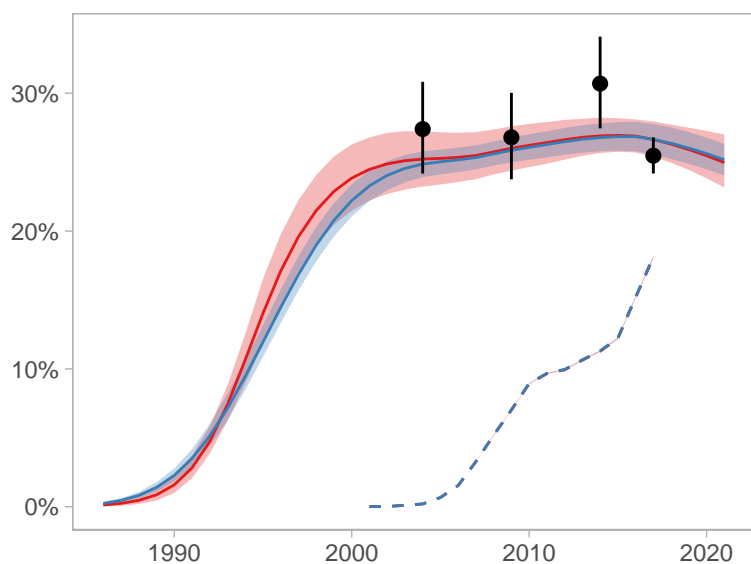
Adult (15+) ART coverage



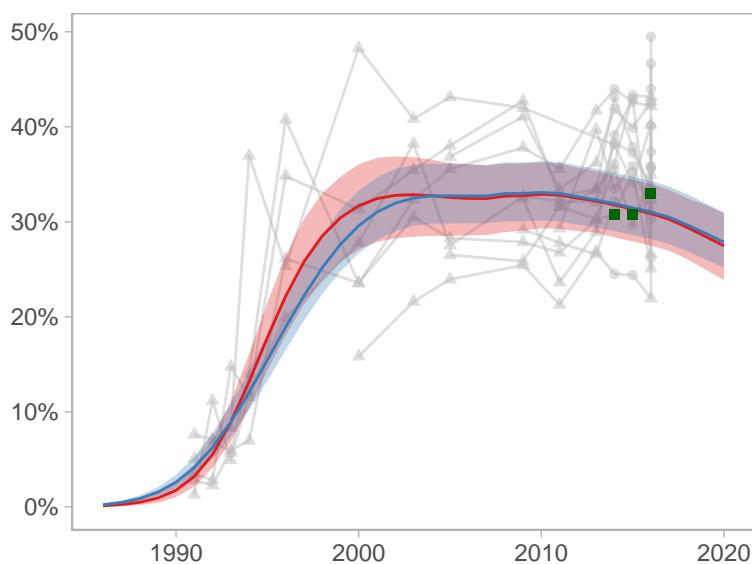
Model: — r-hybrid — r-spline

Lesotho – Urban

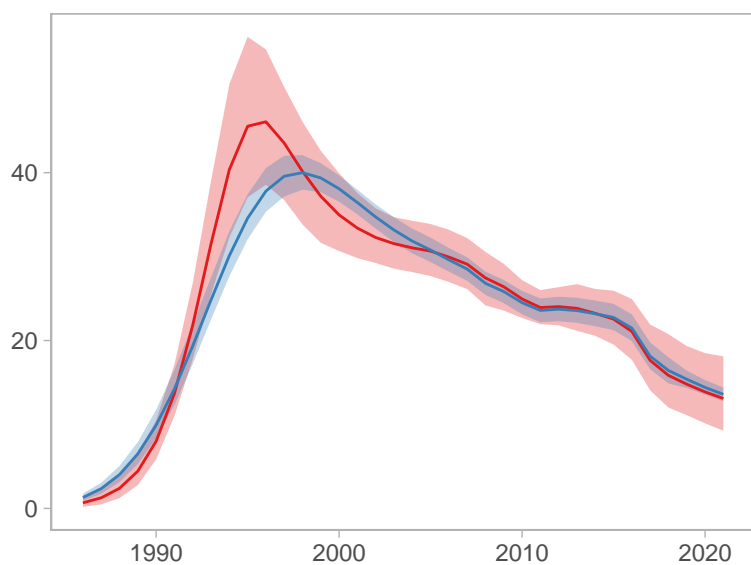
HIV prevalence



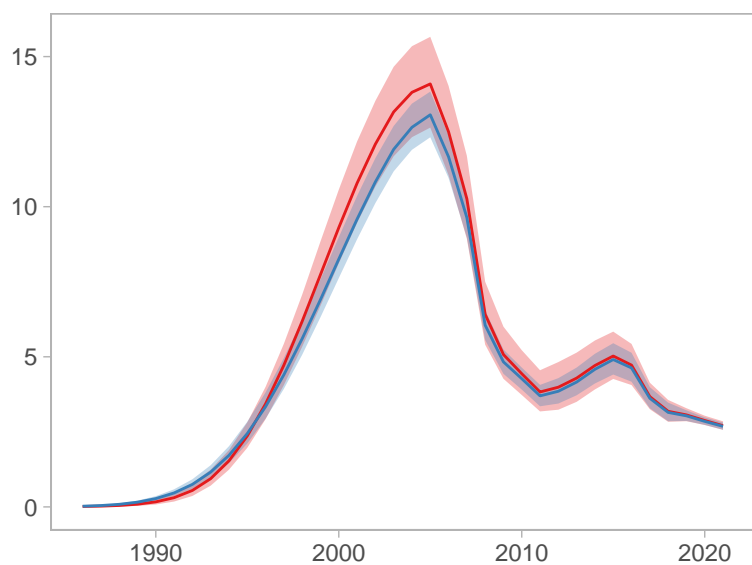
Pregnant women HIV prevalence



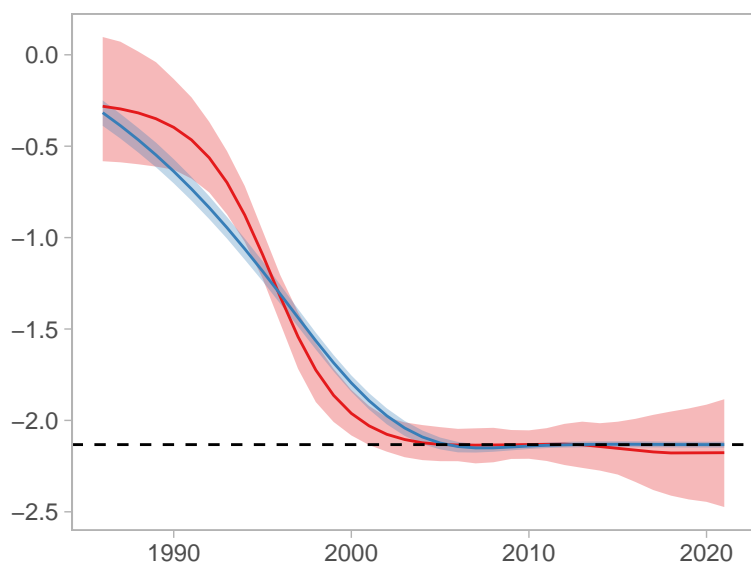
HIV incidence per 1000



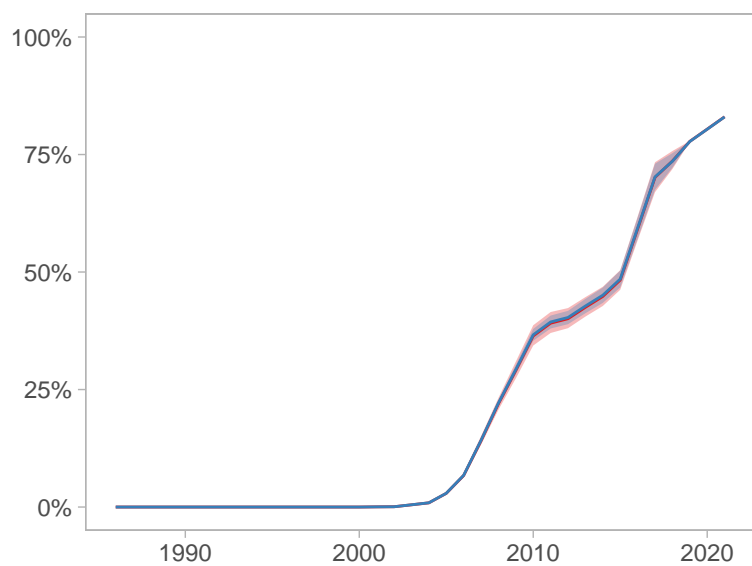
AIDS deaths per 1000 (age 15+)



log r(t)



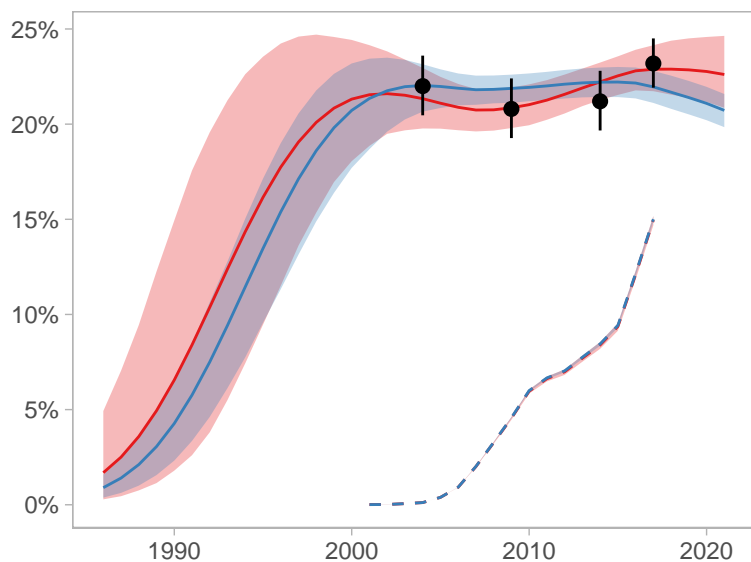
Adult (15+) ART coverage



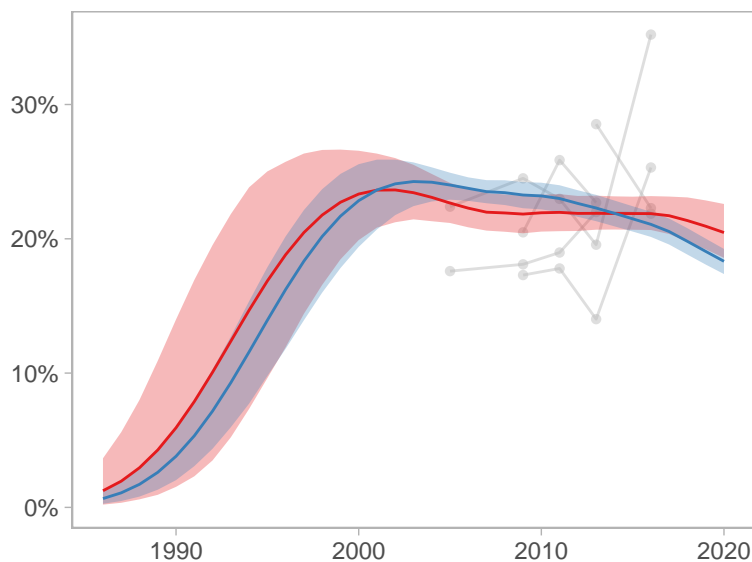
Model: — r-hybrid — r-spline

Lesotho – Rural

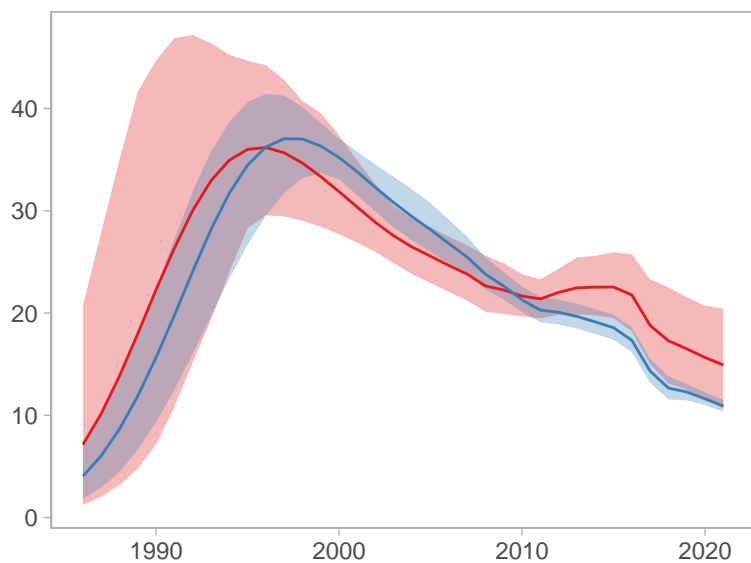
HIV prevalence



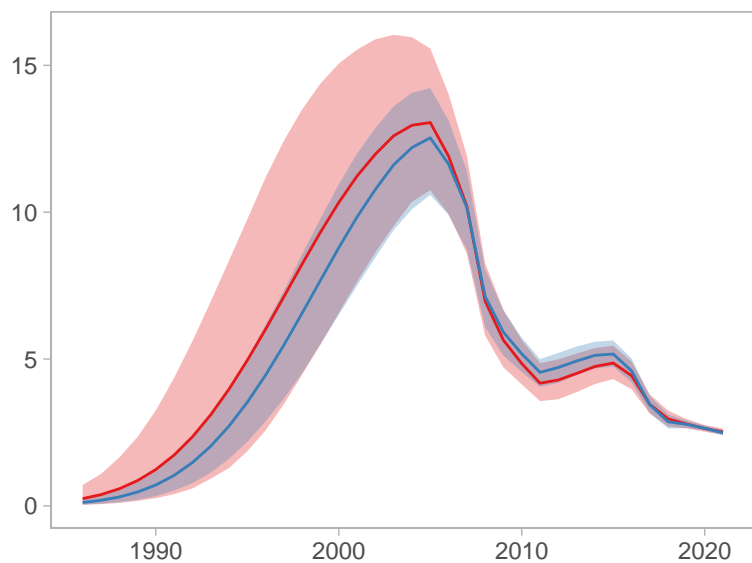
Pregnant women HIV prevalence



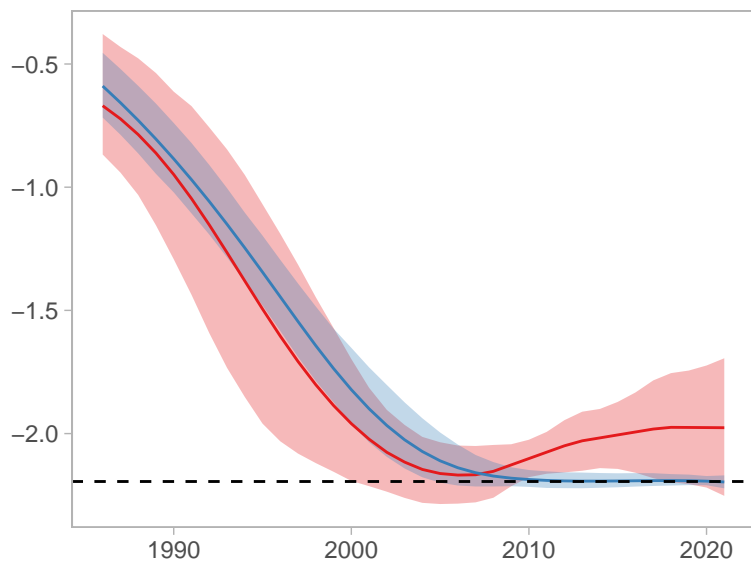
HIV incidence per 1000



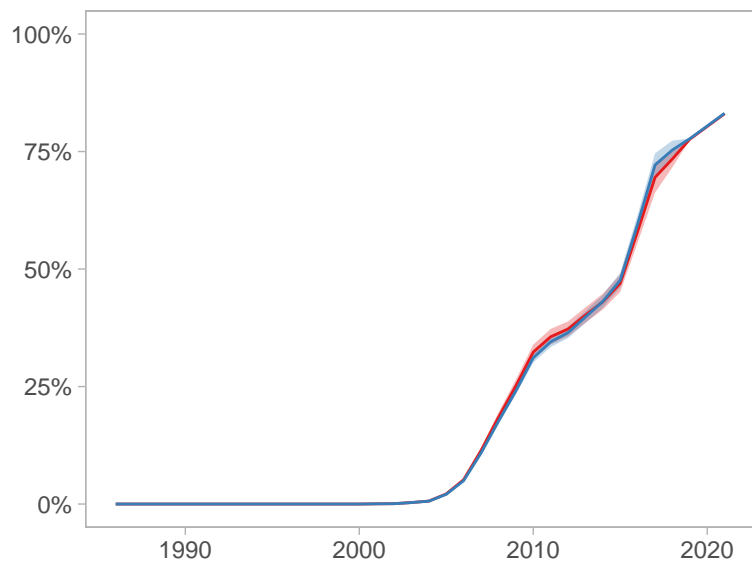
AIDS deaths per 1000 (age 15+)



log r(t)



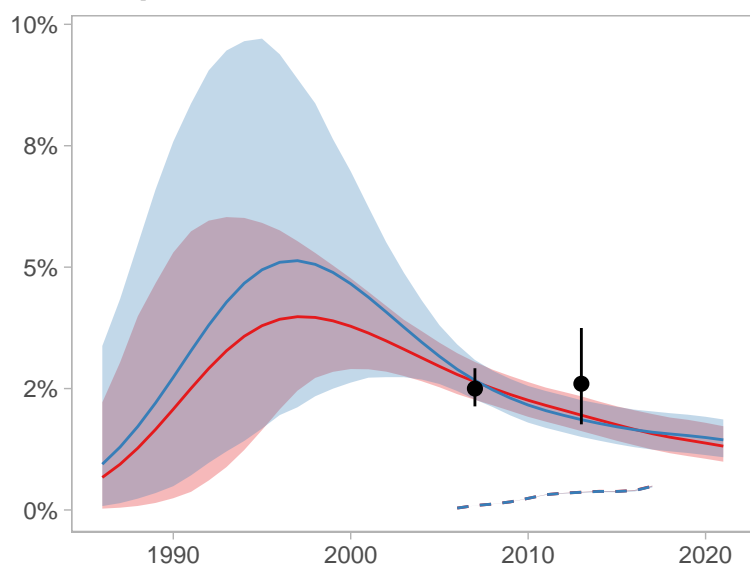
Adult (15+) ART coverage



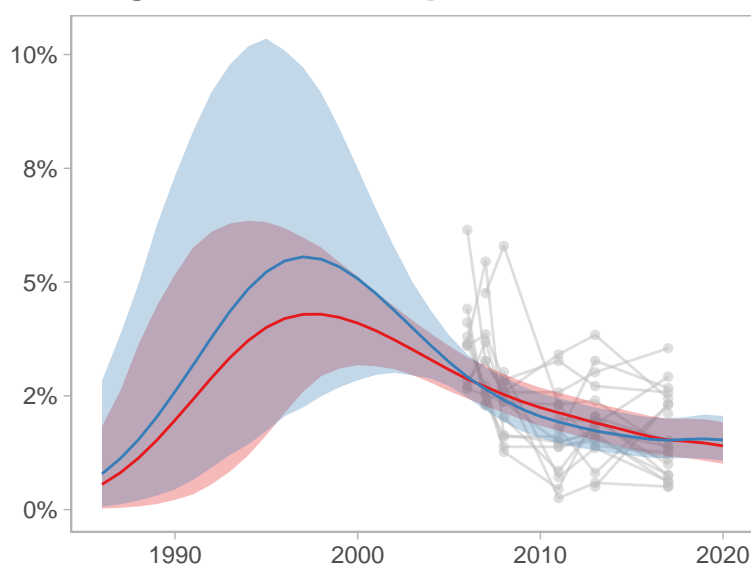
Model: — r-hybrid — r-spline

Liberia – Urban

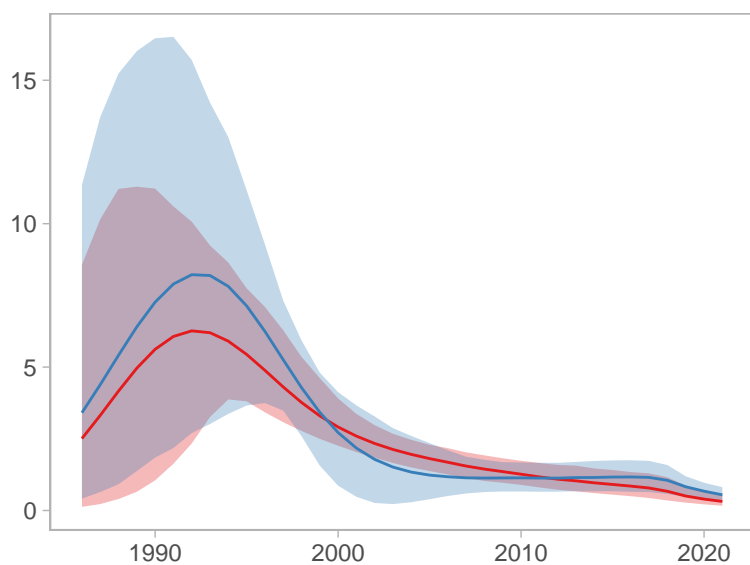
HIV prevalence



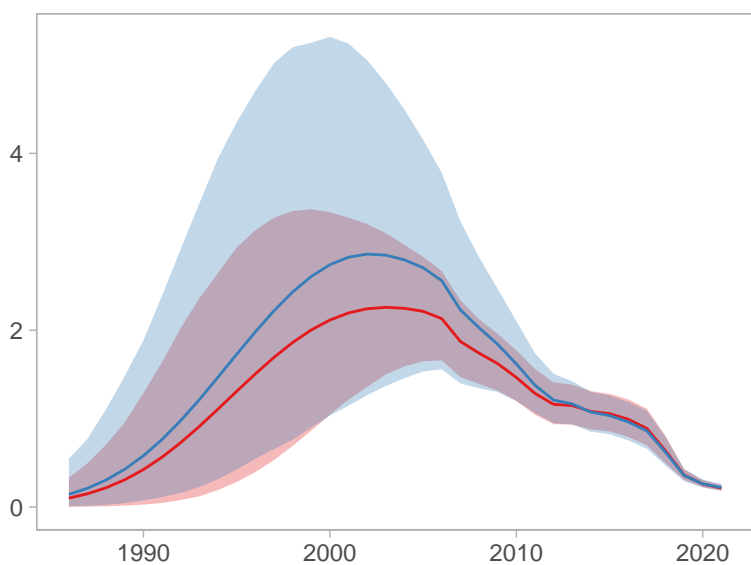
Pregnant women HIV prevalence



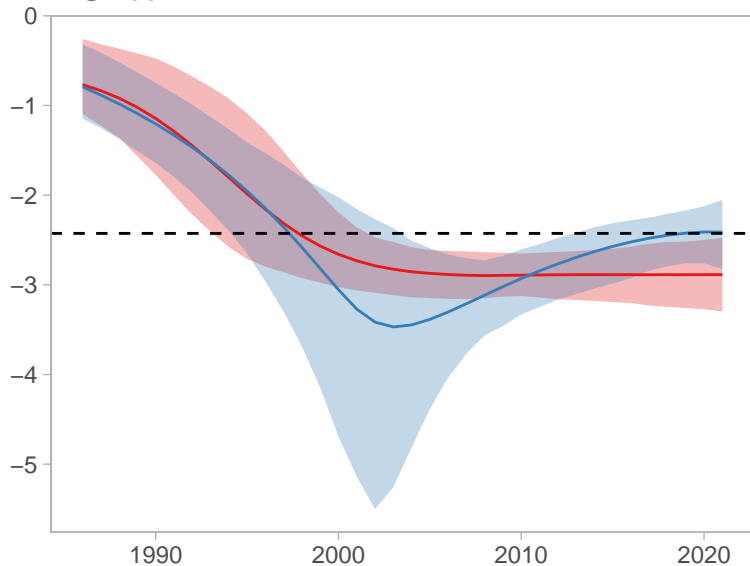
HIV incidence per 1000



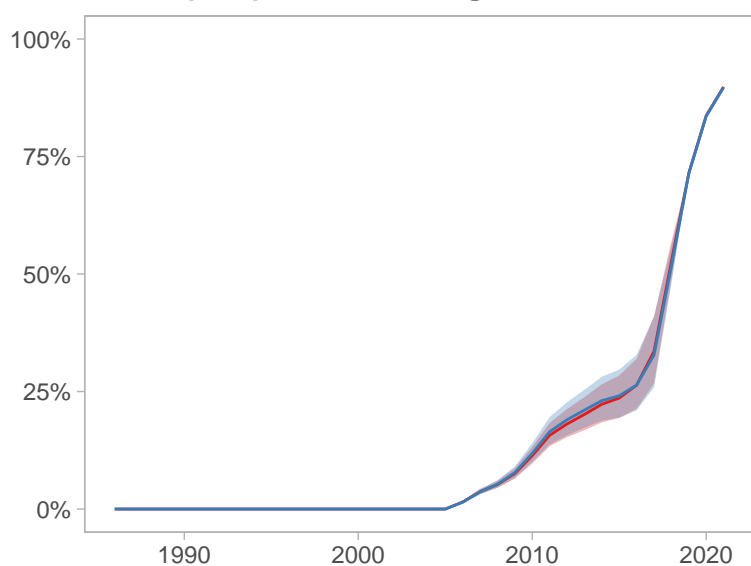
AIDS deaths per 1000 (age 15+)



log r(t)

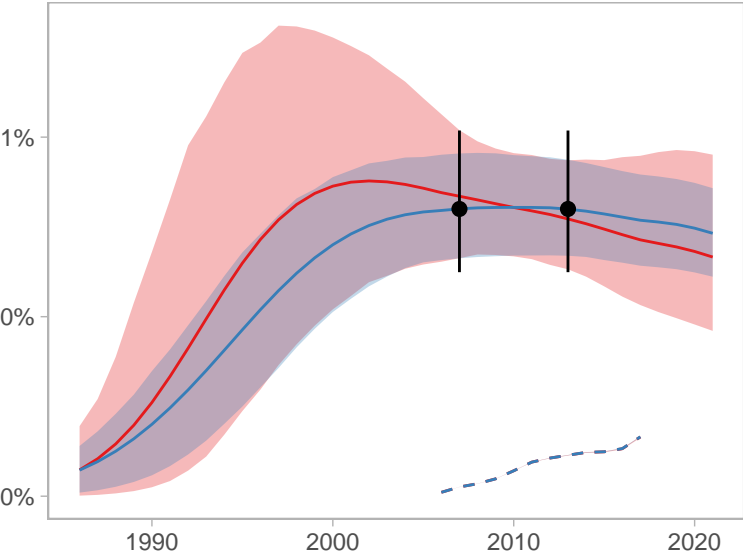


Adult (15+) ART coverage

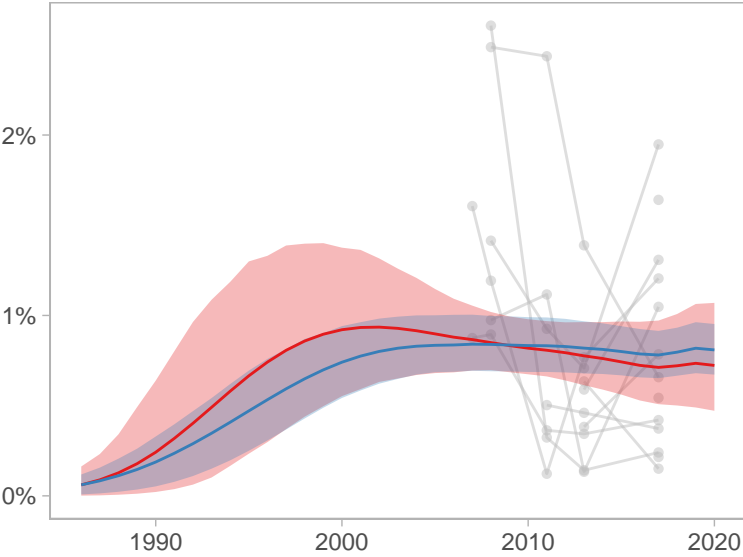


Model: — r-hybrid — r-spline

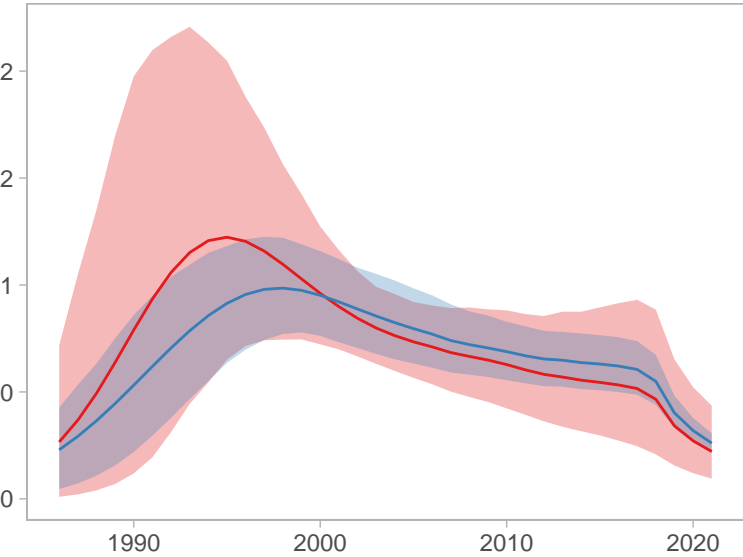
Liberia – Rural
HIV prevalence



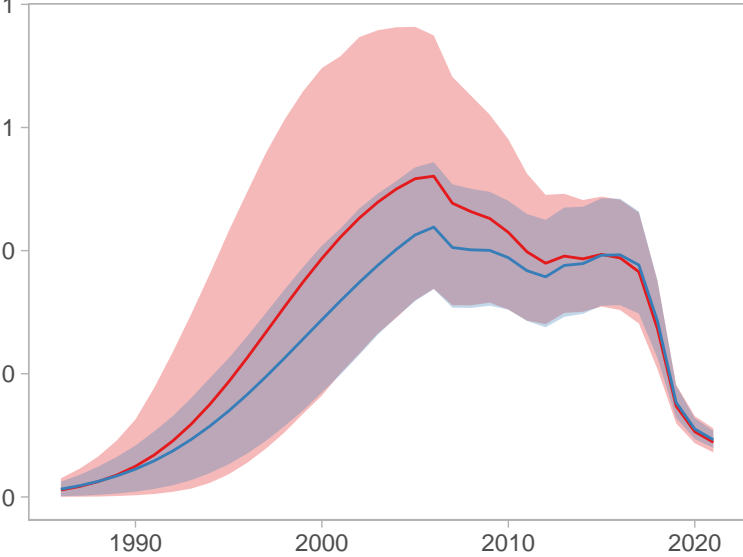
Pregnant women HIV prevalence



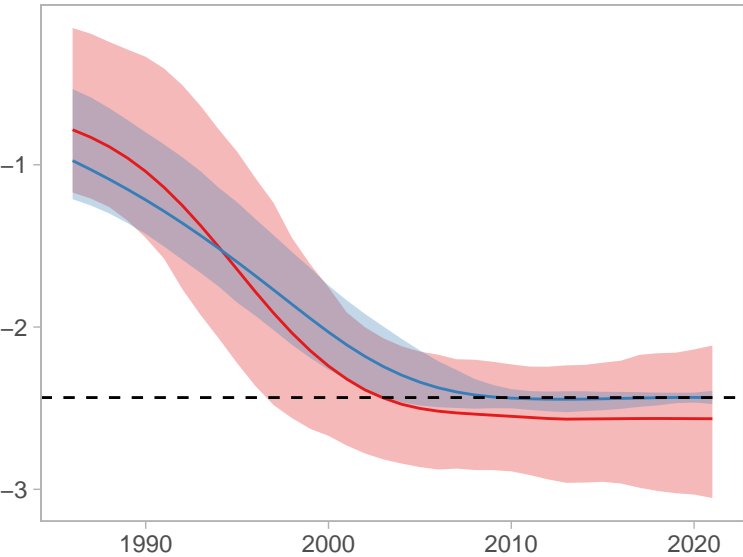
HIV incidence per 1000



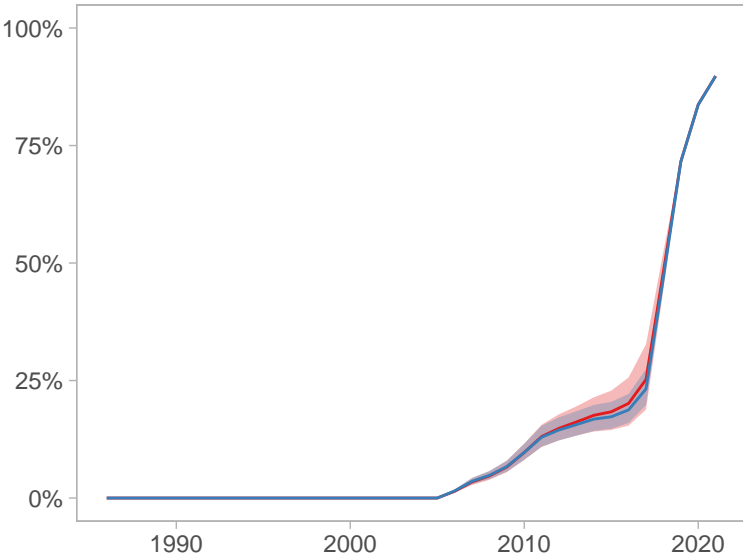
AIDS deaths per 1000 (age 15+)



log r(t)



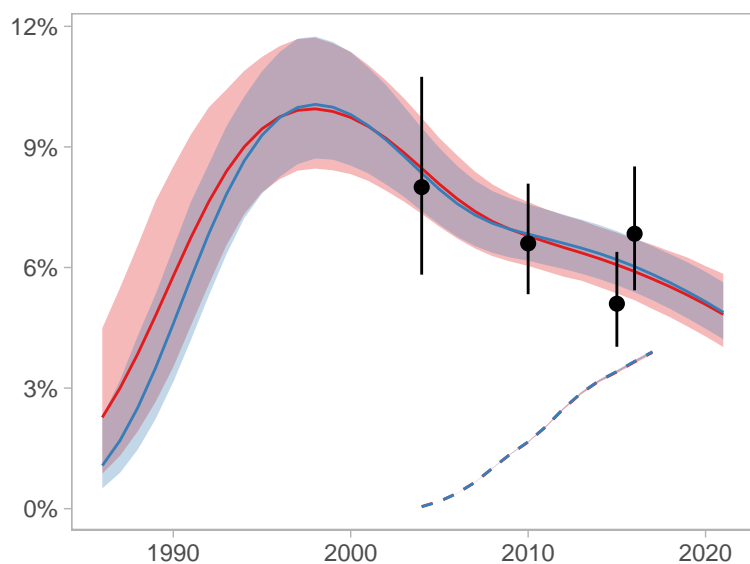
Adult (15+) ART coverage



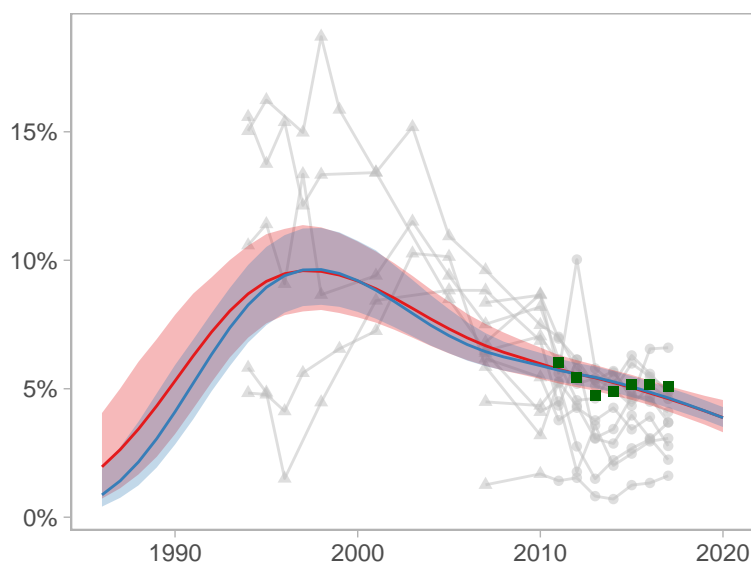
Model: — r-hybrid — r-spline

Malawi – Northern Region

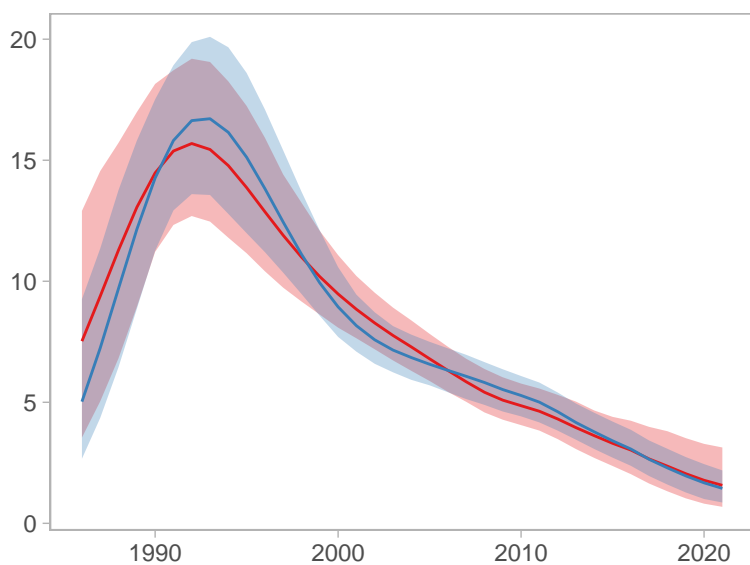
HIV prevalence



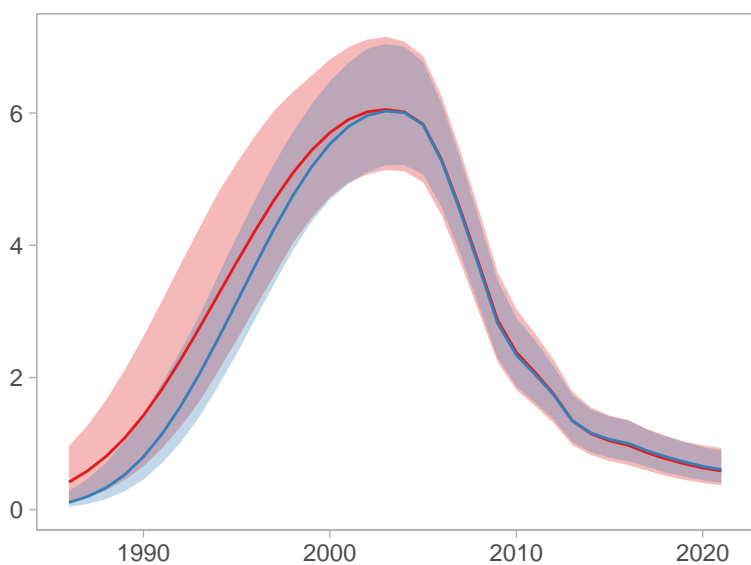
Pregnant women HIV prevalence



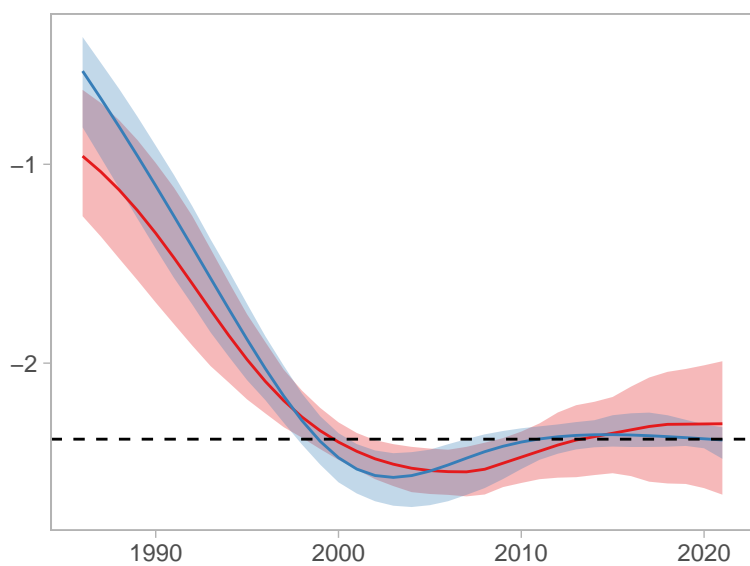
HIV incidence per 1000



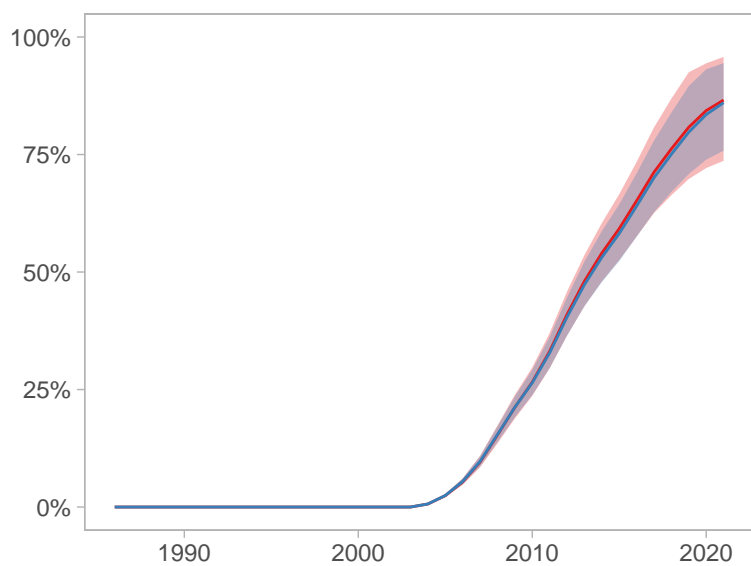
AIDS deaths per 1000 (age 15+)



log r(t)



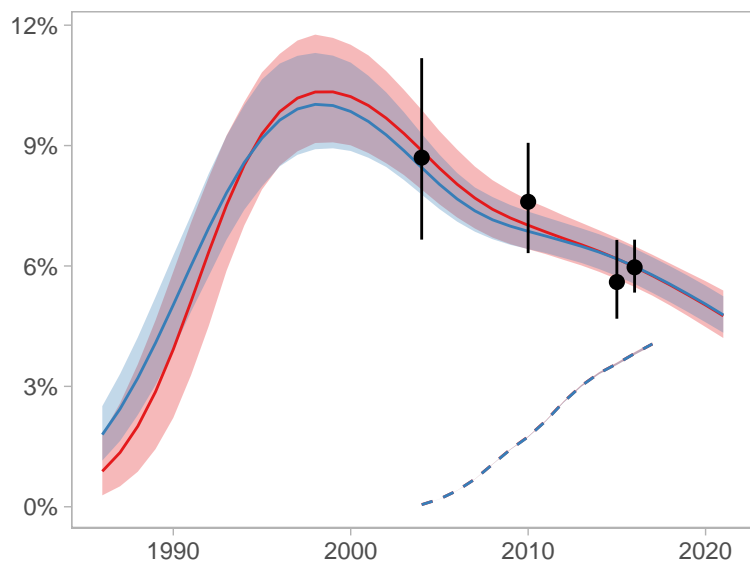
Adult (15+) ART coverage



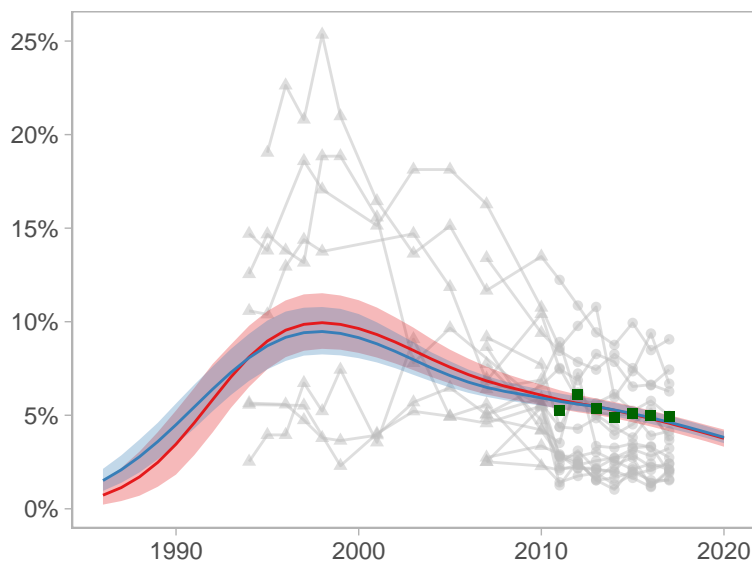
Model: — r-hybrid — r-spline

Malawi – Central Region

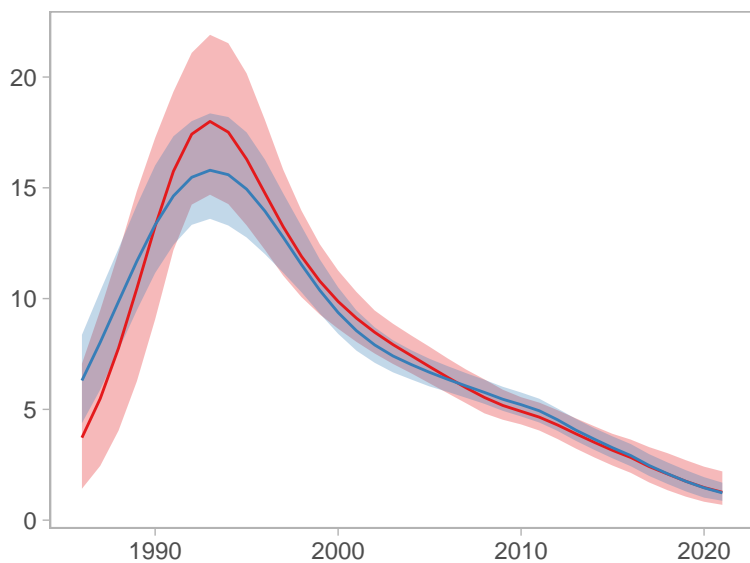
HIV prevalence



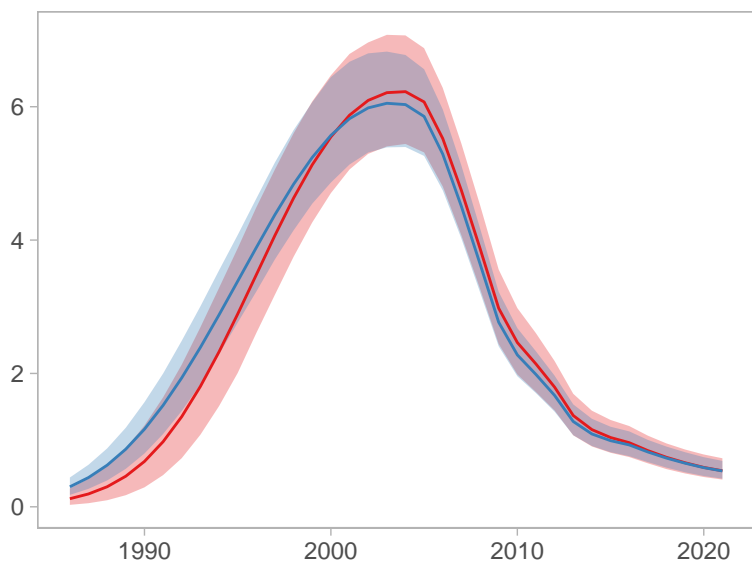
Pregnant women HIV prevalence



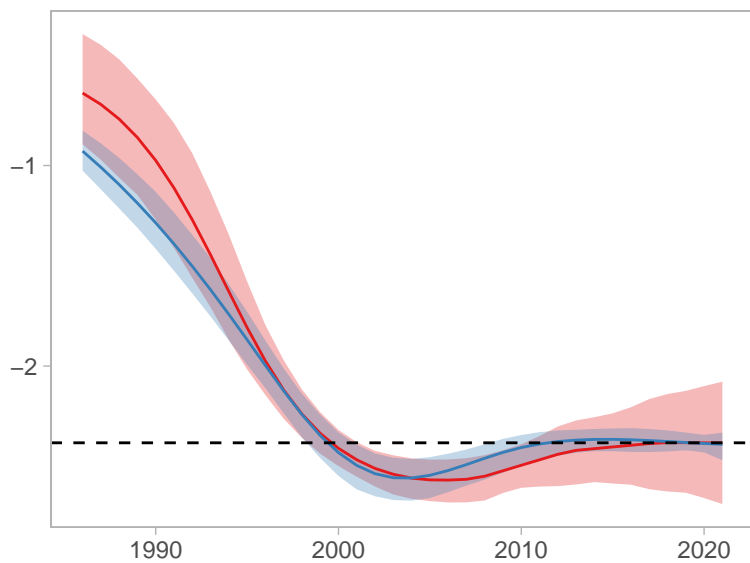
HIV incidence per 1000



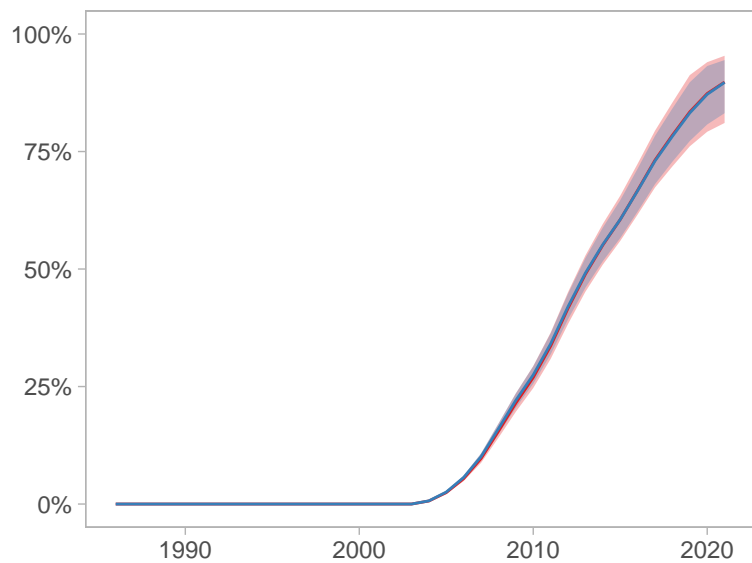
AIDS deaths per 1000 (age 15+)



log r(t)



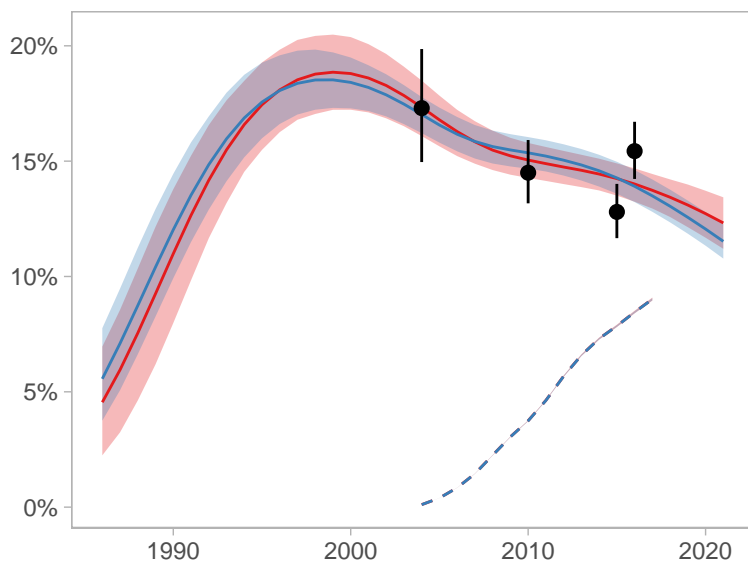
Adult (15+) ART coverage



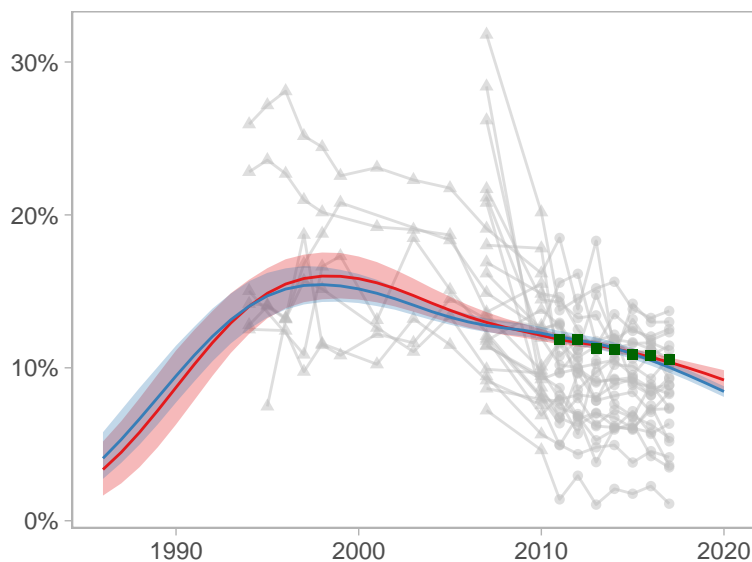
Model: — r-hybrid — r-spline

Malawi – Southern Region

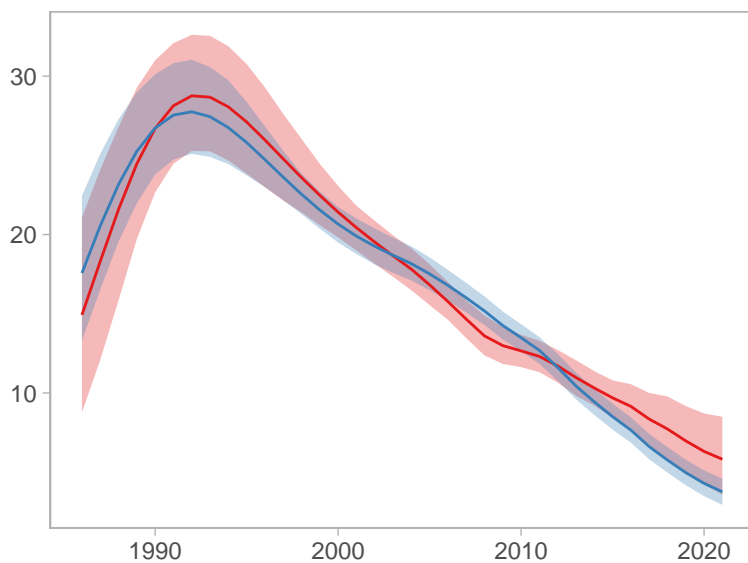
HIV prevalence



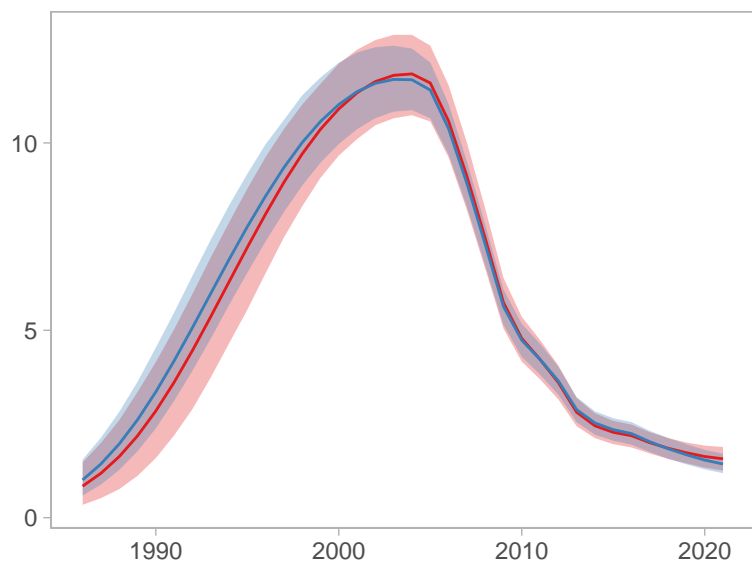
Pregnant women HIV prevalence



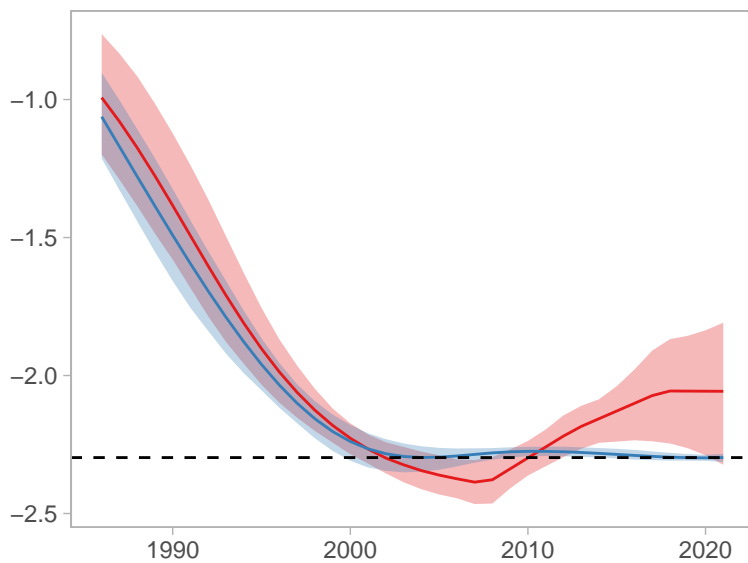
HIV incidence per 1000



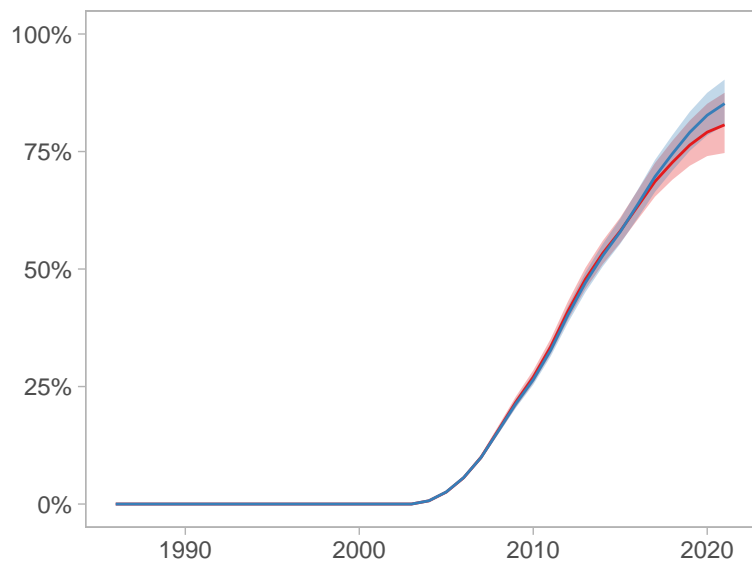
AIDS deaths per 1000 (age 15+)



log r(t)



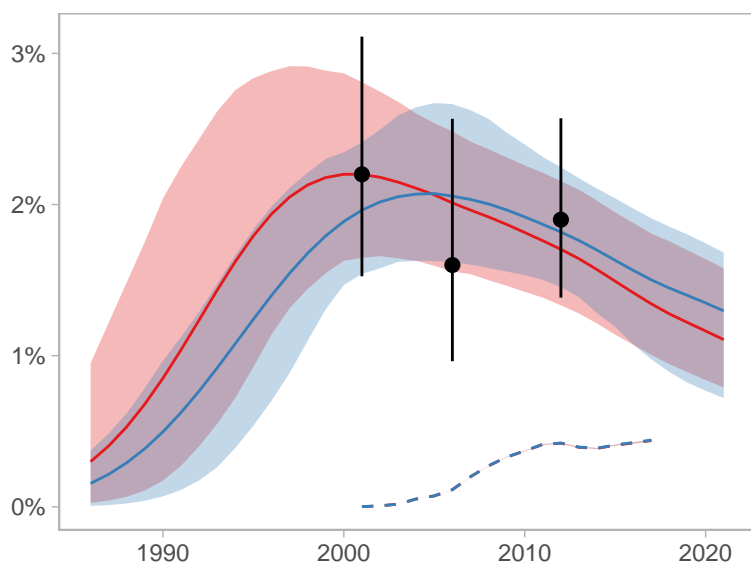
Adult (15+) ART coverage



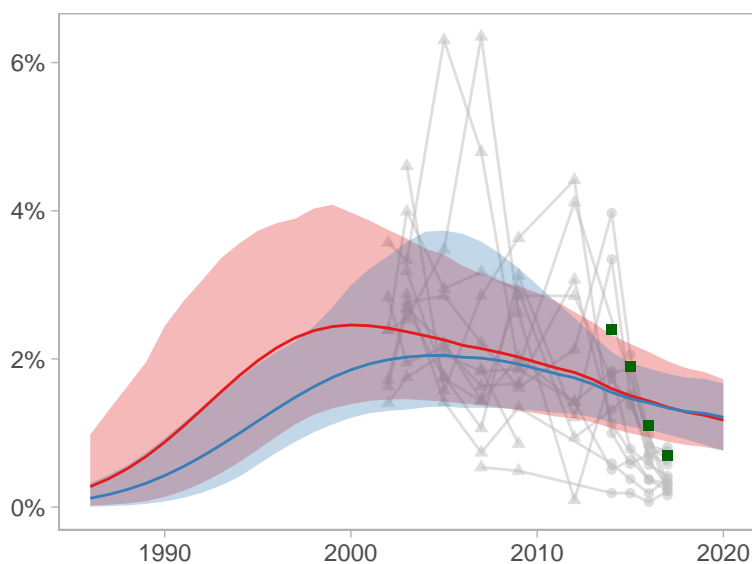
Model: — r-hybrid — r-spline

Mali – Urbain

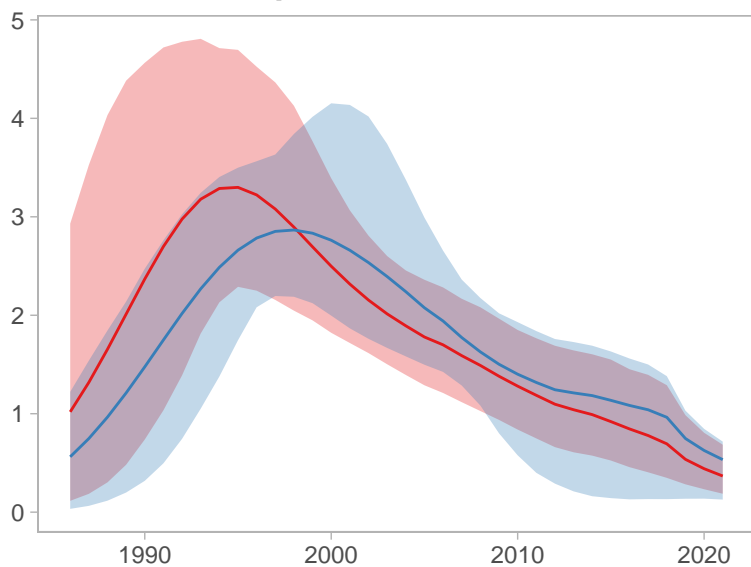
HIV prevalence



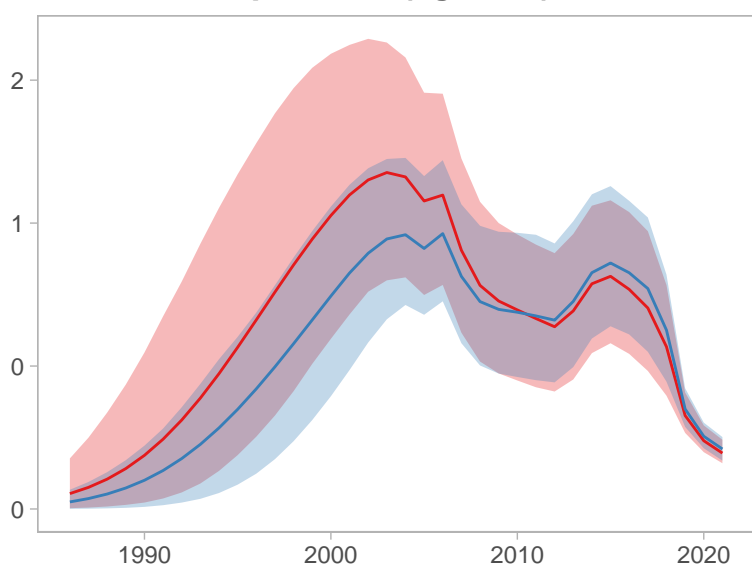
Pregnant women HIV prevalence



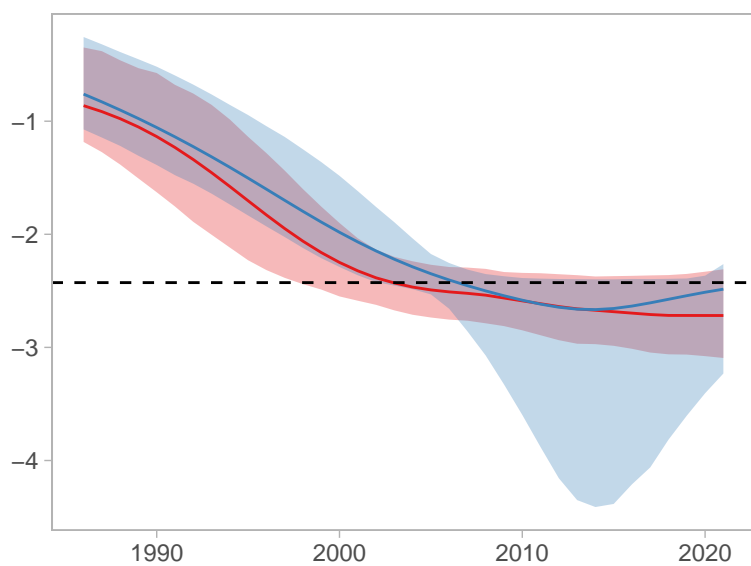
HIV incidence per 1000



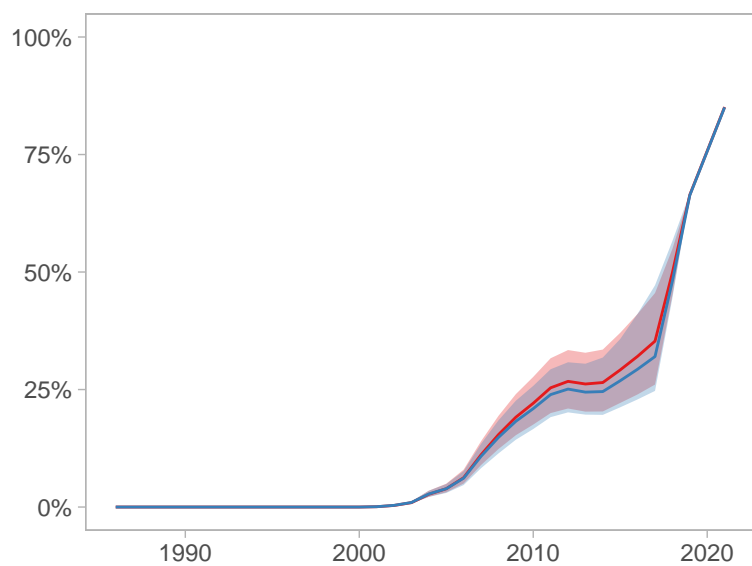
AIDS deaths per 1000 (age 15+)



log r(t)

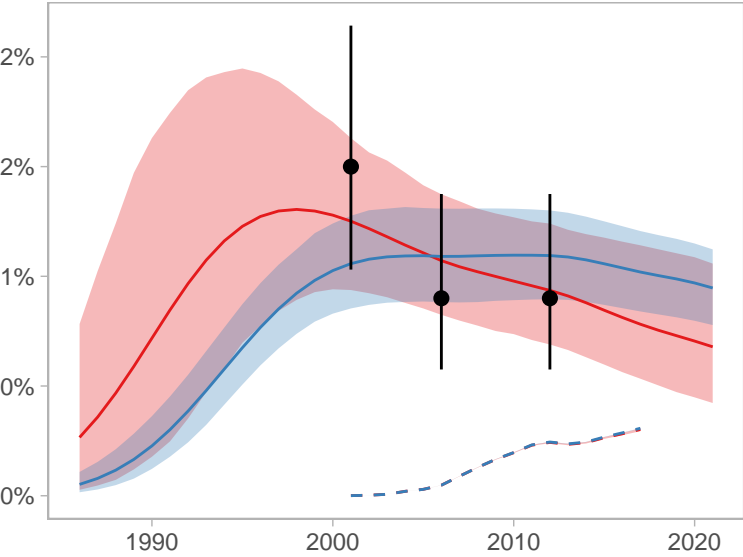


Adult (15+) ART coverage

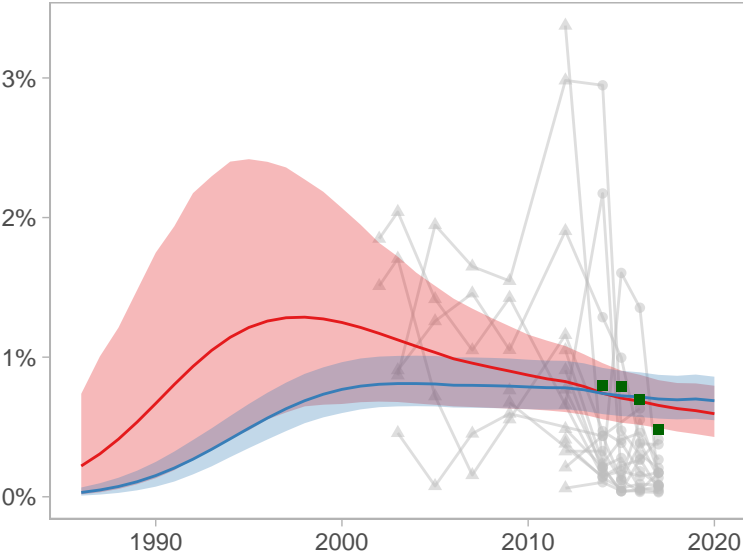


Model: — r-hybrid — r-spline

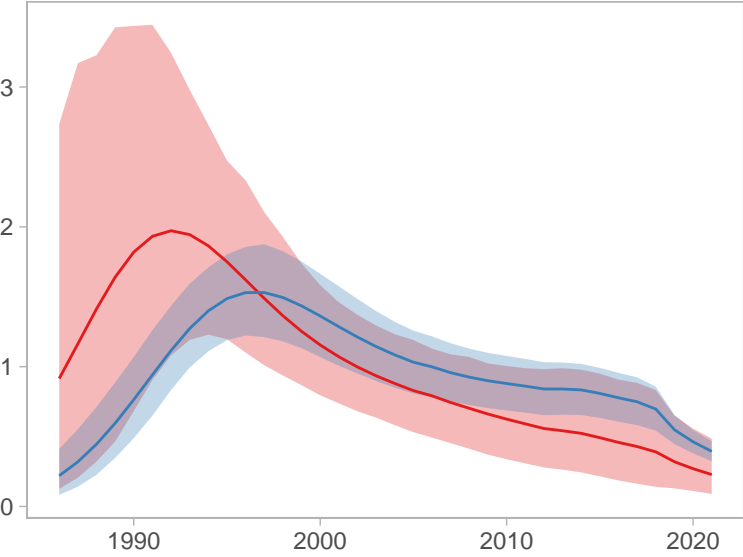
Mali – Rural
HIV prevalence



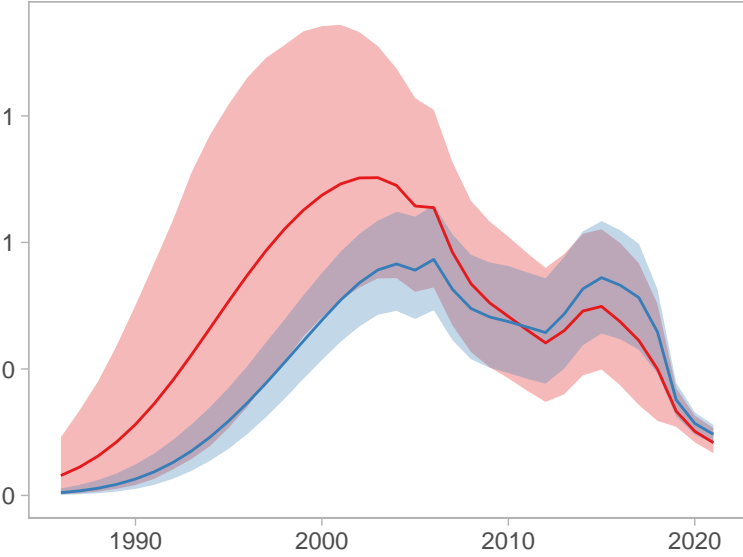
Pregnant women HIV prevalence



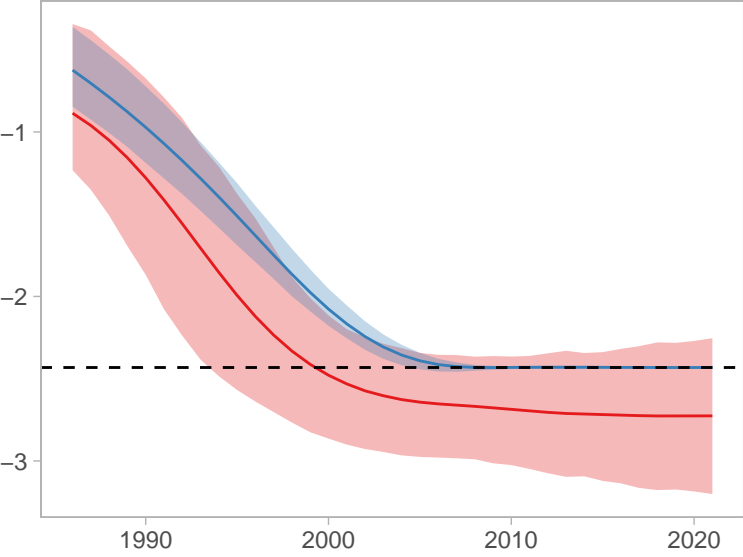
HIV incidence per 1000



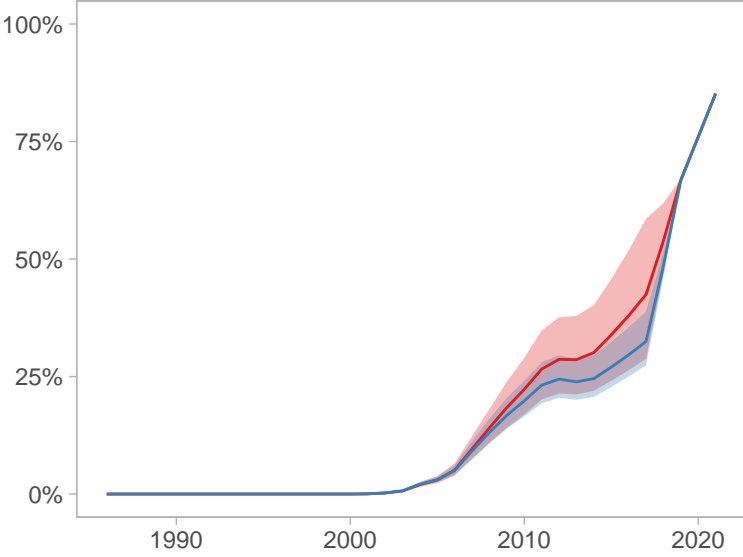
AIDS deaths per 1000 (age 15+)



log r(t)



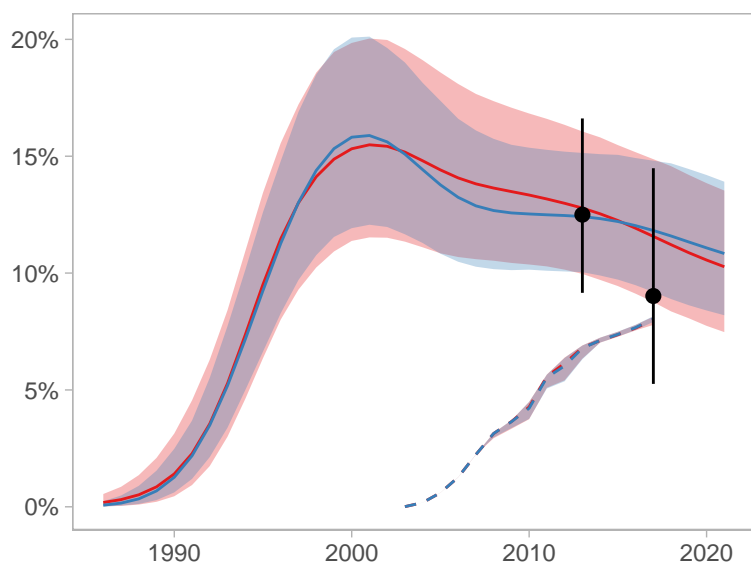
Adult (15+) ART coverage



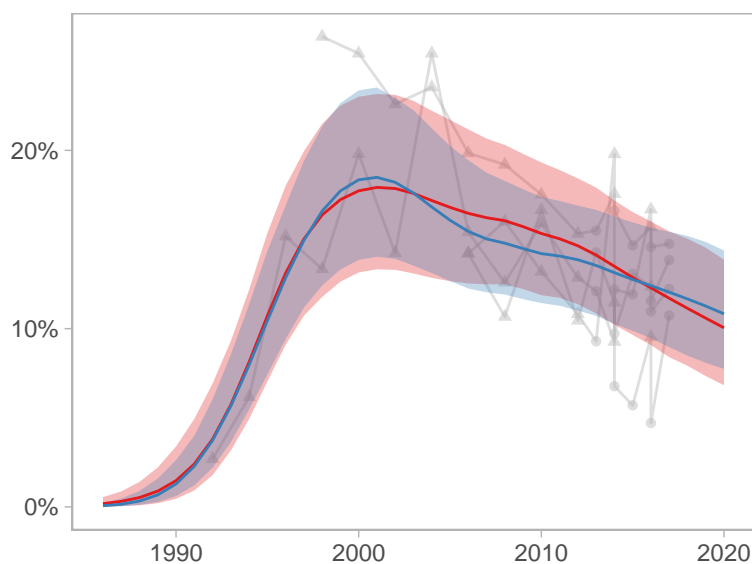
Model: — r-hybrid — r-spline

Namibia – Erongo

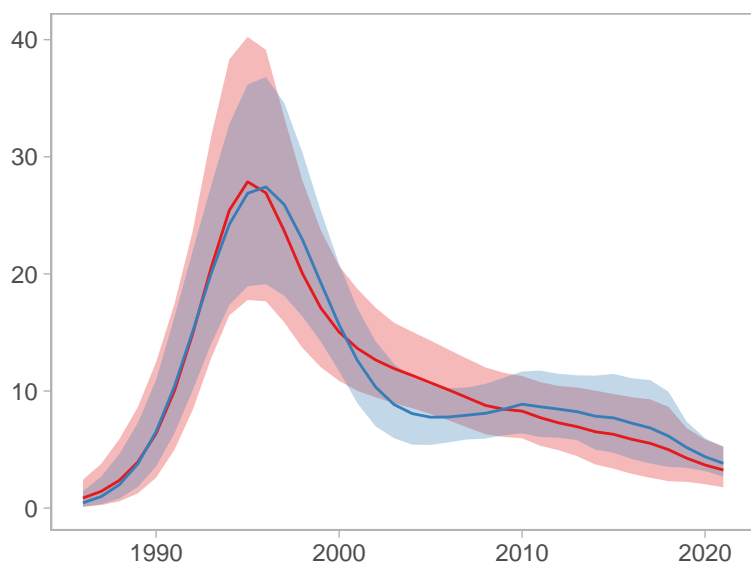
HIV prevalence



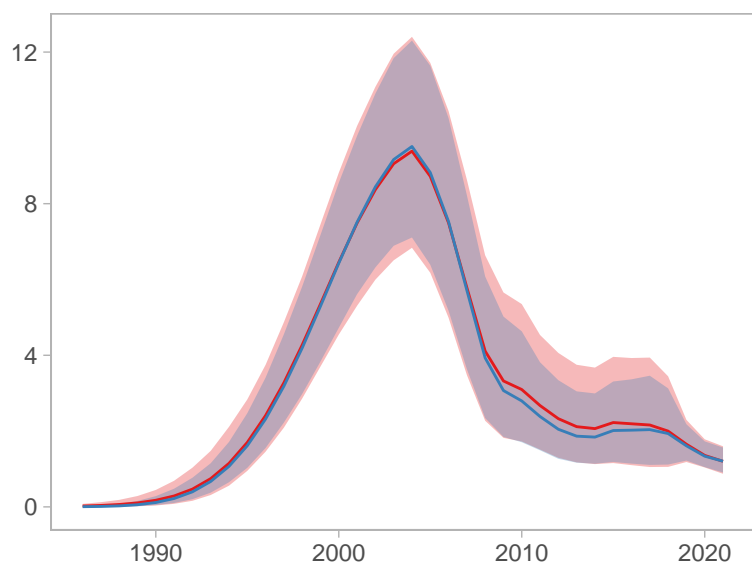
Pregnant women HIV prevalence



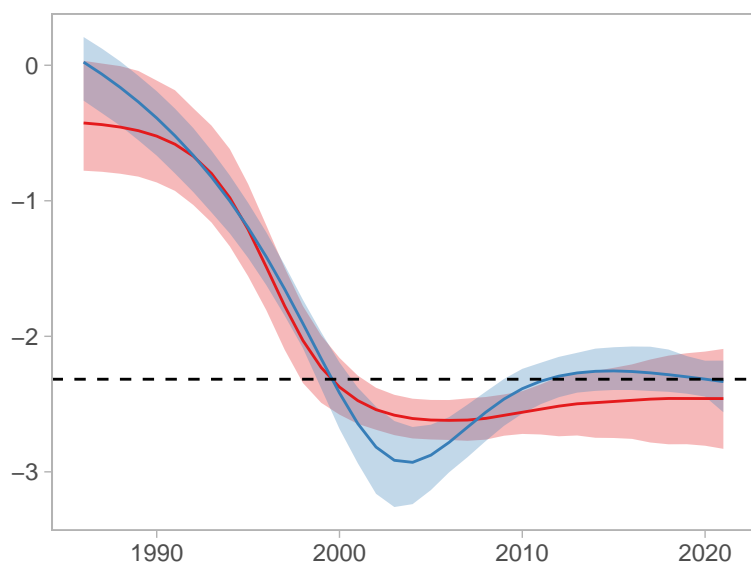
HIV incidence per 1000



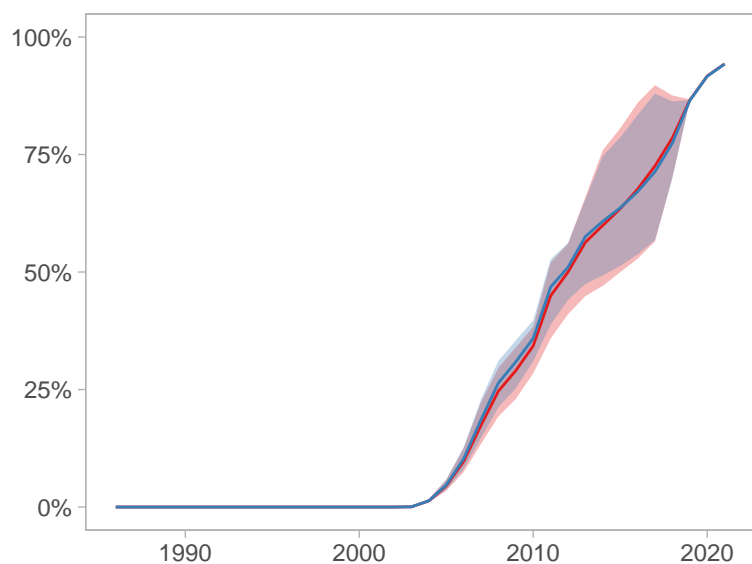
AIDS deaths per 1000 (age 15+)



log r(t)



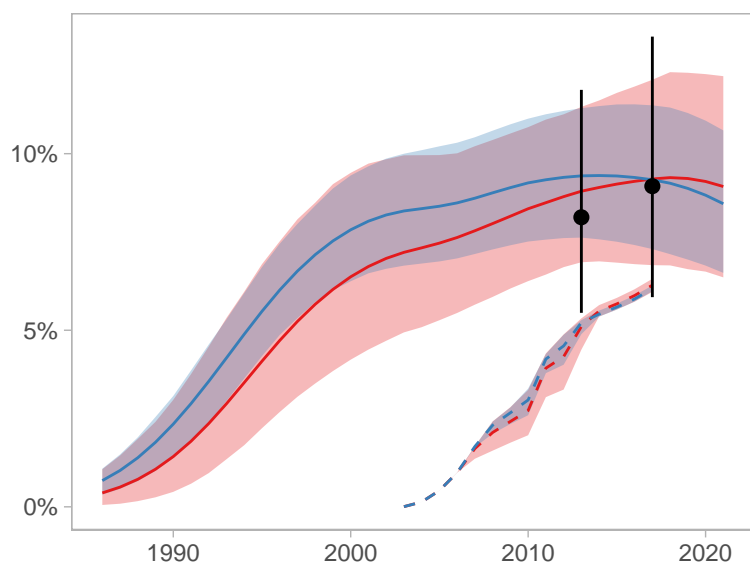
Adult (15+) ART coverage



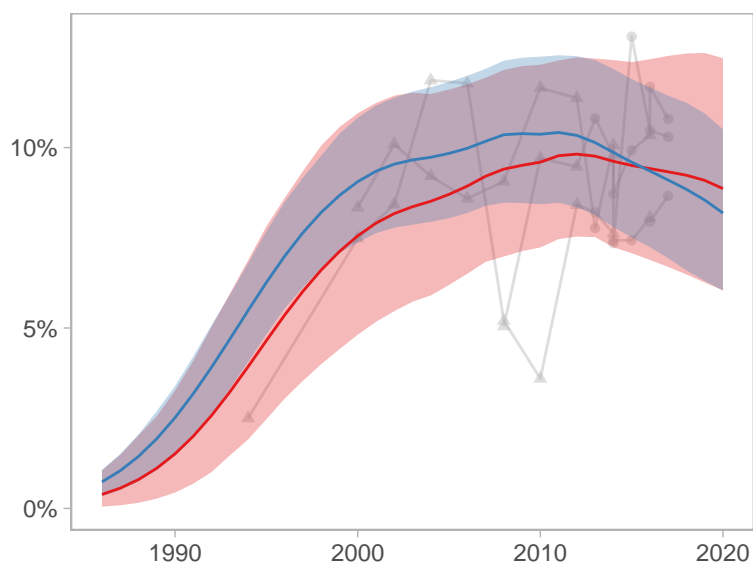
Model: — r-hybrid — r-spline

Namibia – Hardap

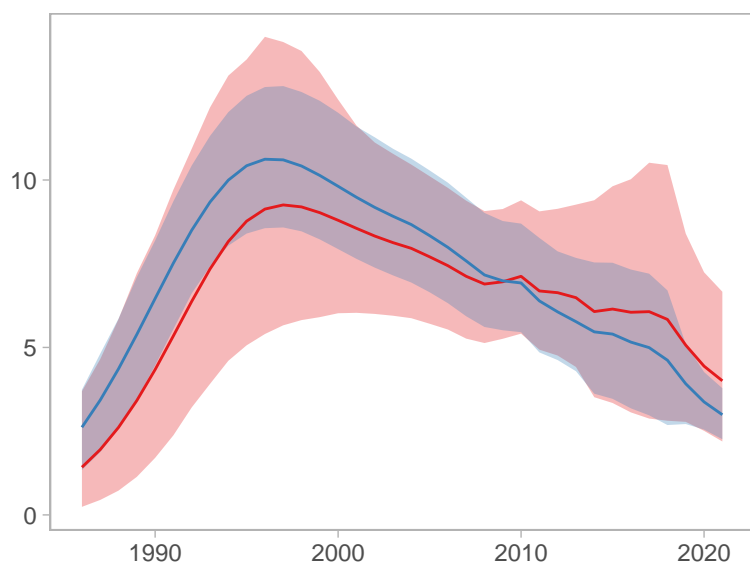
HIV prevalence



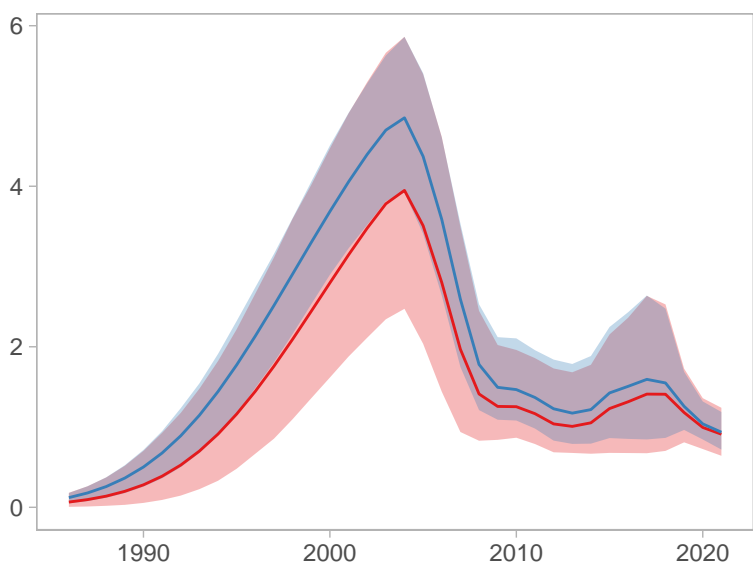
Pregnant women HIV prevalence



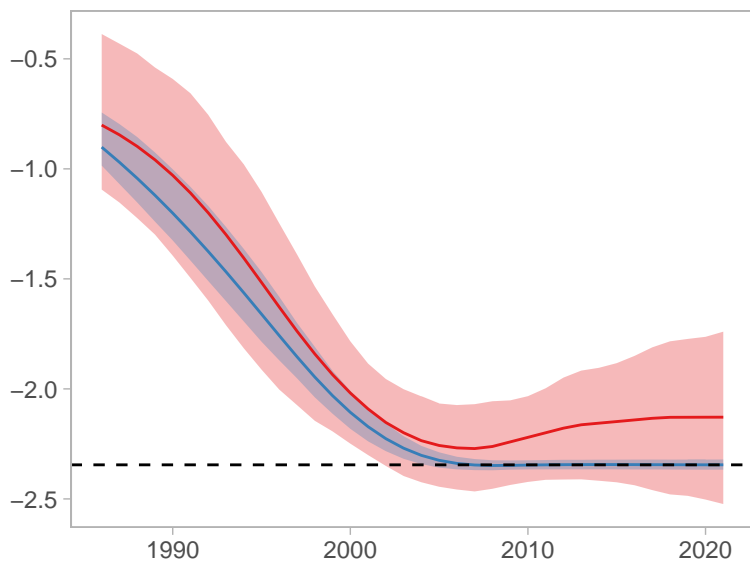
HIV incidence per 1000



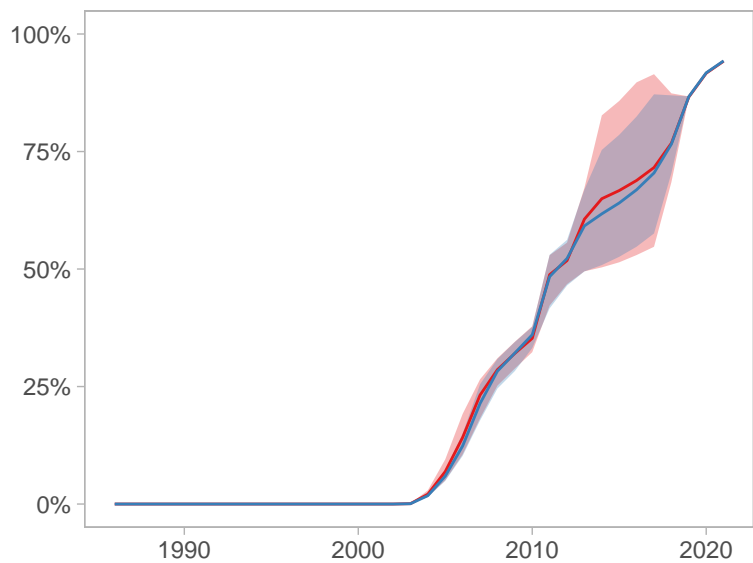
AIDS deaths per 1000 (age 15+)



log r(t)



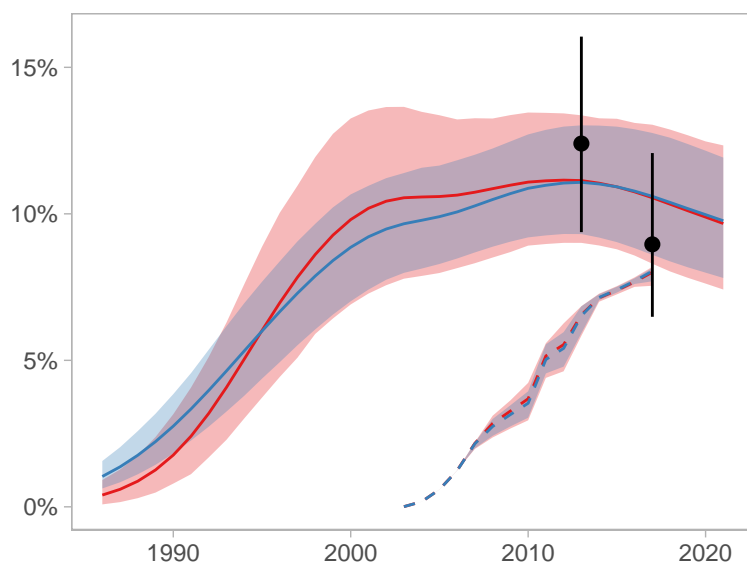
Adult (15+) ART coverage



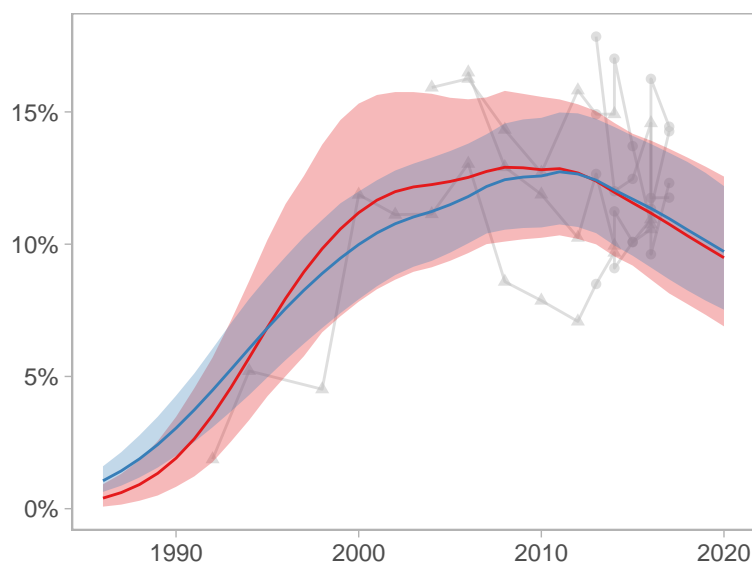
Model: — r-hybrid — r-spline

Namibia – Karas

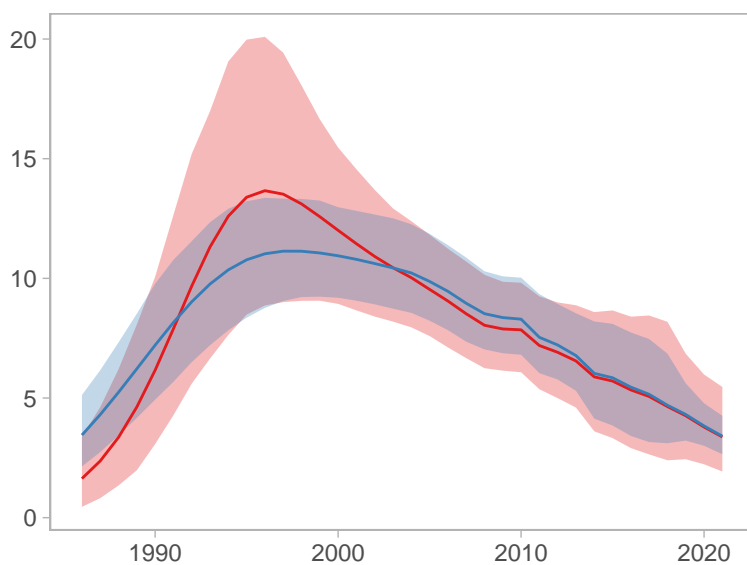
HIV prevalence



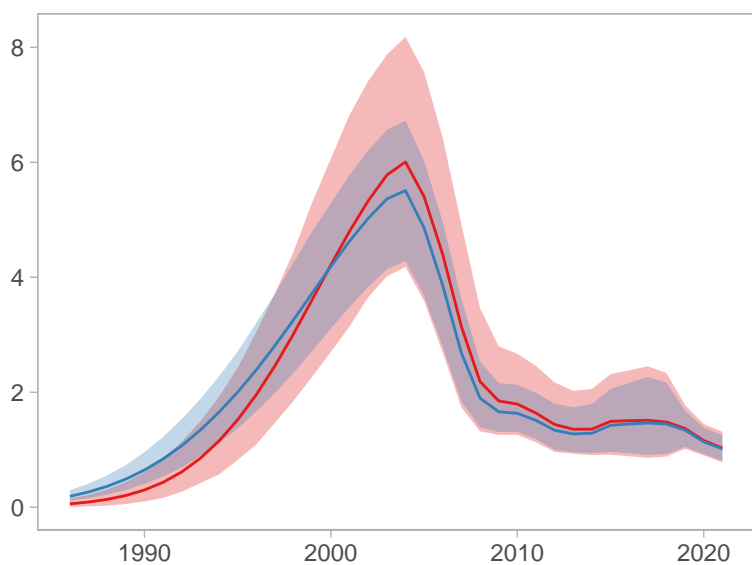
Pregnant women HIV prevalence



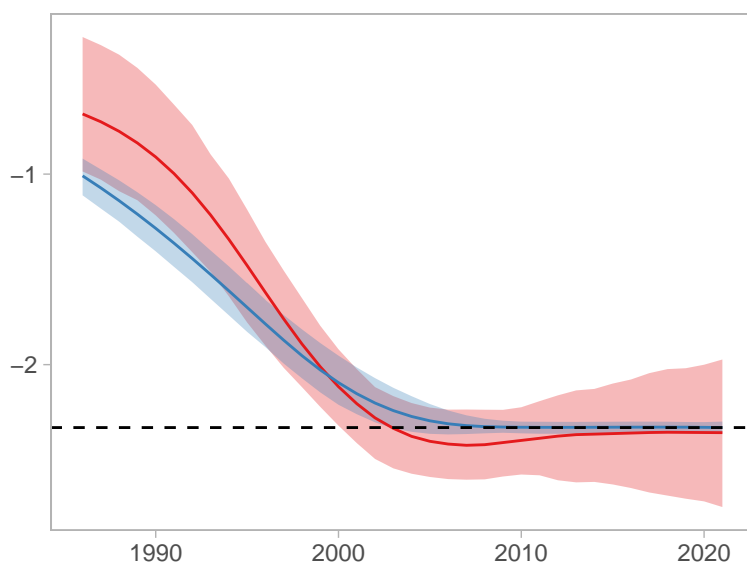
HIV incidence per 1000



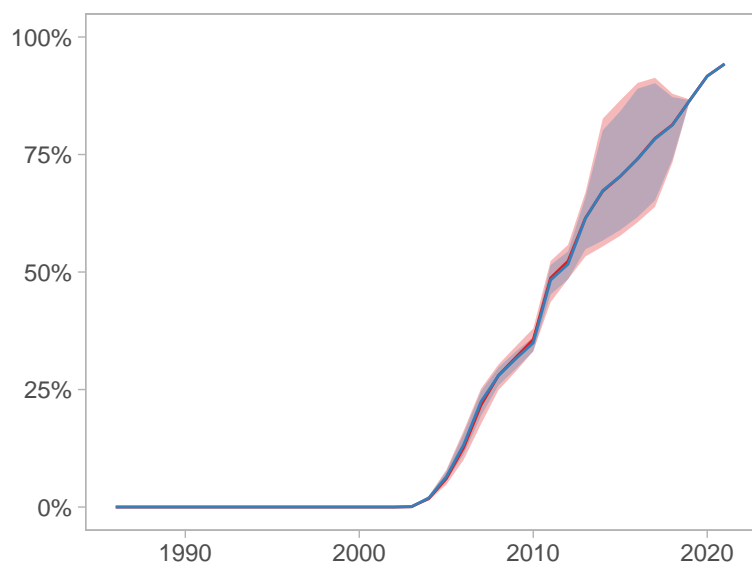
AIDS deaths per 1000 (age 15+)



log r(t)



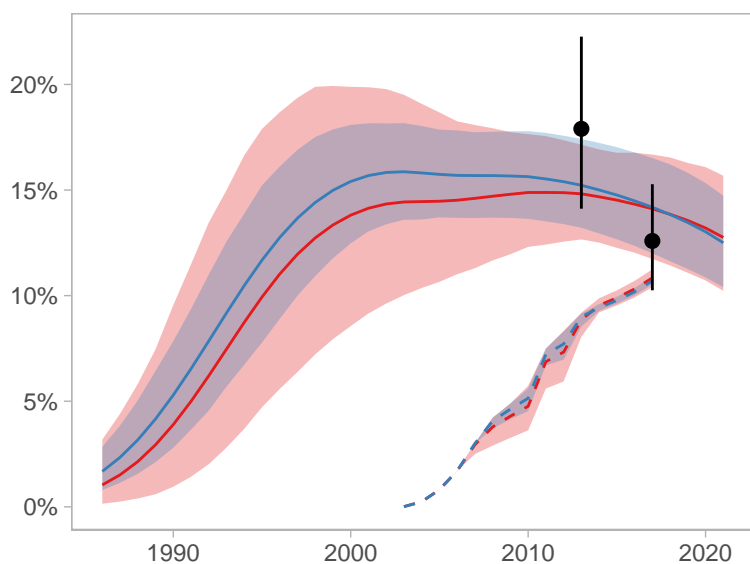
Adult (15+) ART coverage



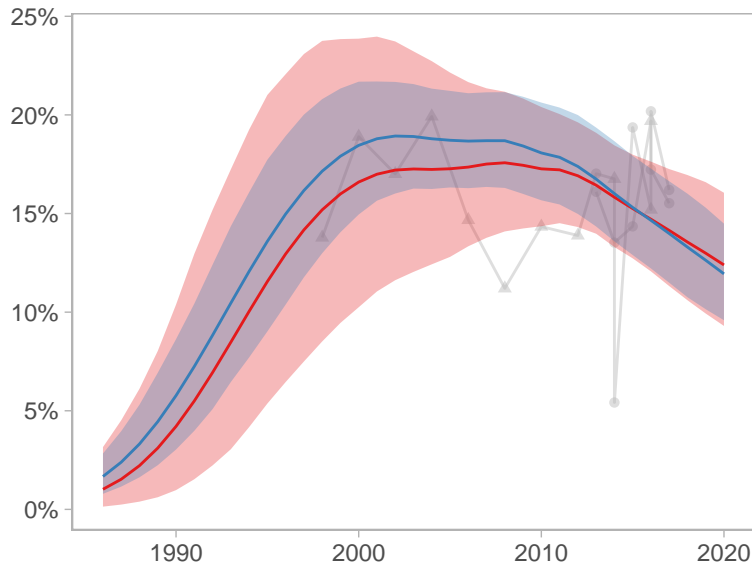
Model: — r-hybrid — r-spline

Namibia – Kavango West

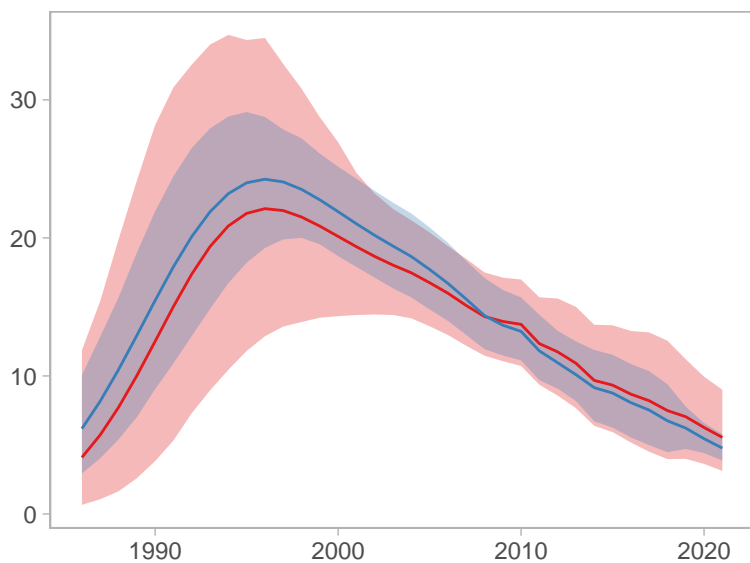
HIV prevalence



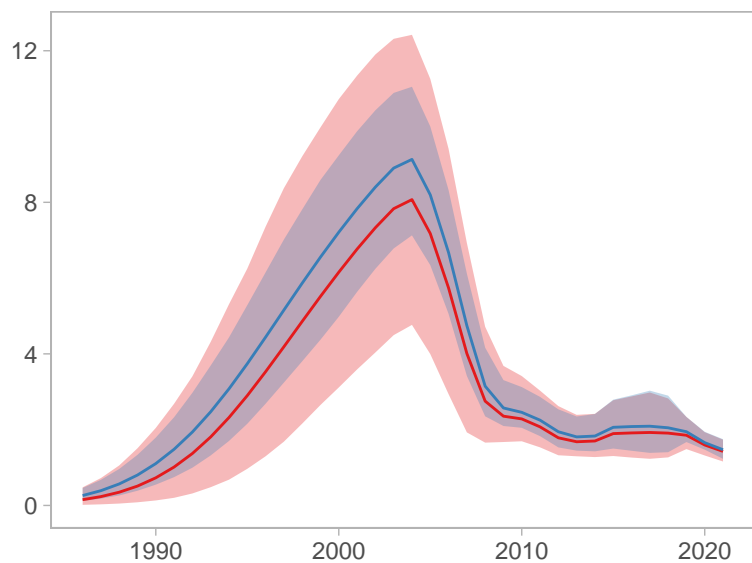
Pregnant women HIV prevalence



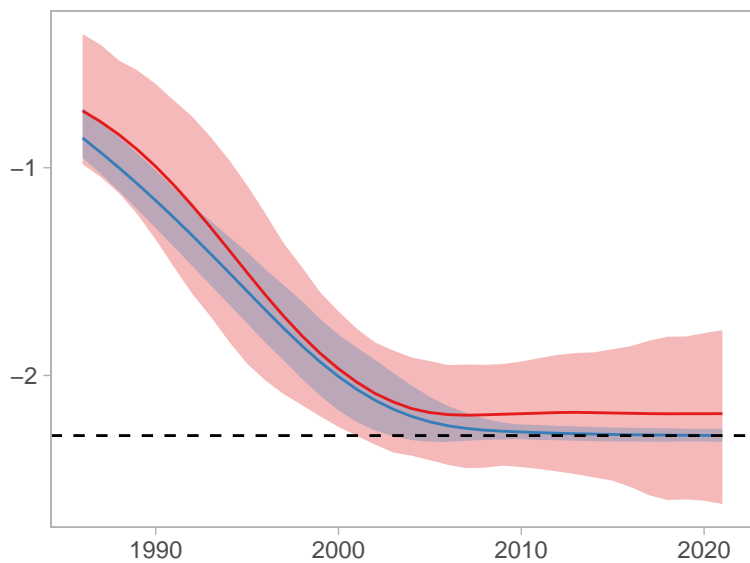
HIV incidence per 1000



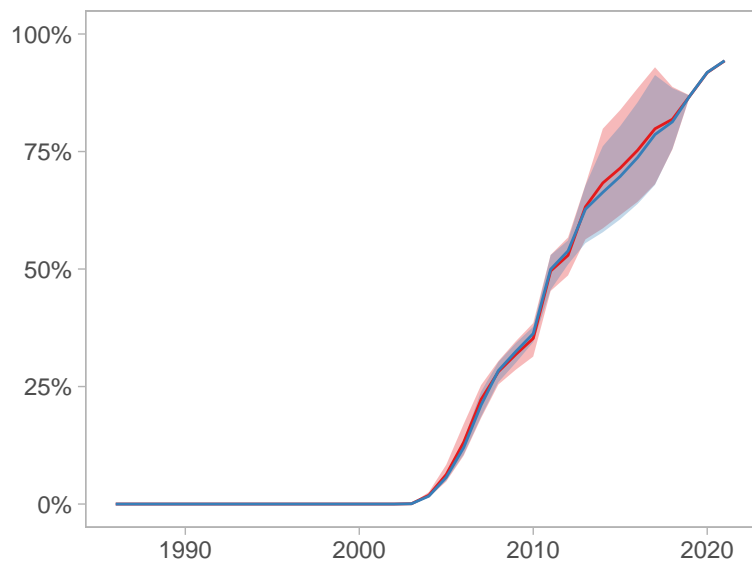
AIDS deaths per 1000 (age 15+)



log r(t)



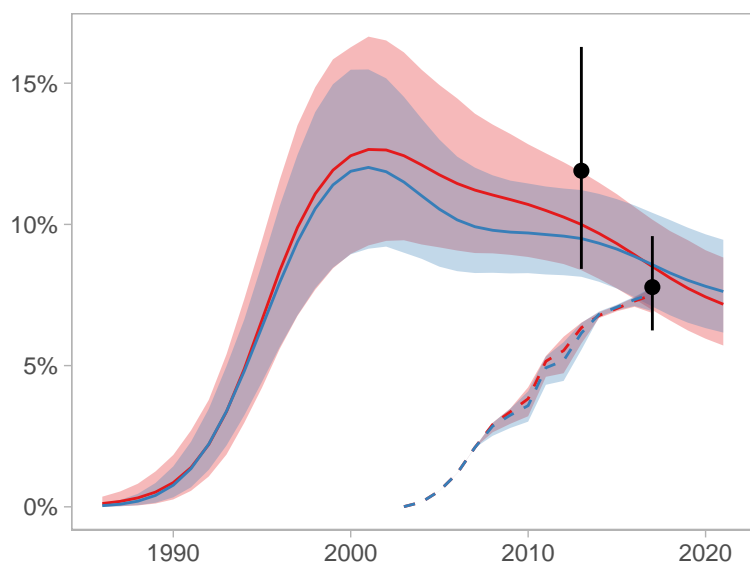
Adult (15+) ART coverage



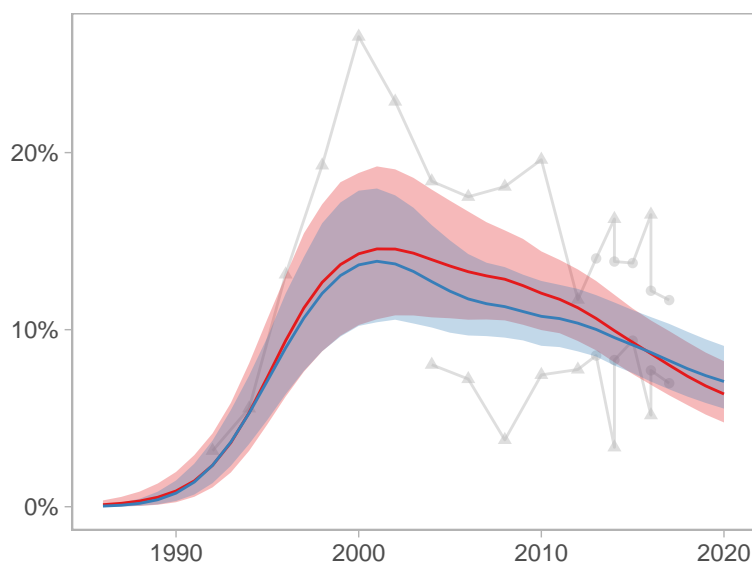
Model: — r-hybrid — r-spline

Namibia – Khomas

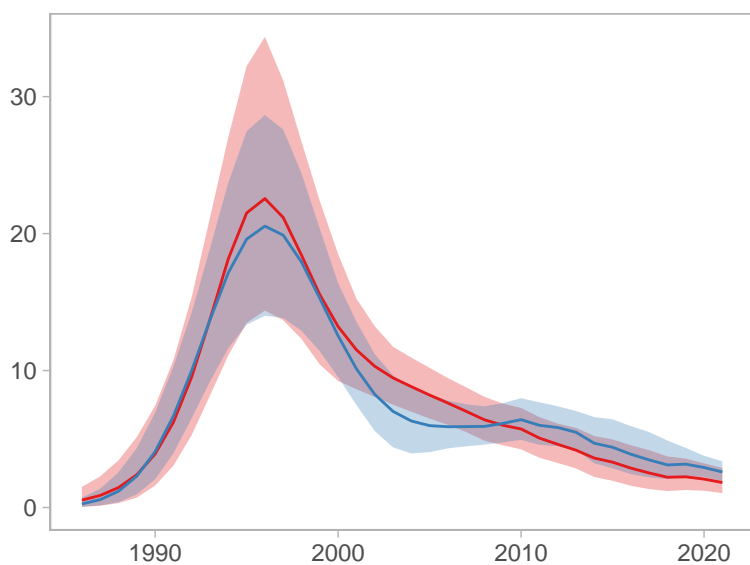
HIV prevalence



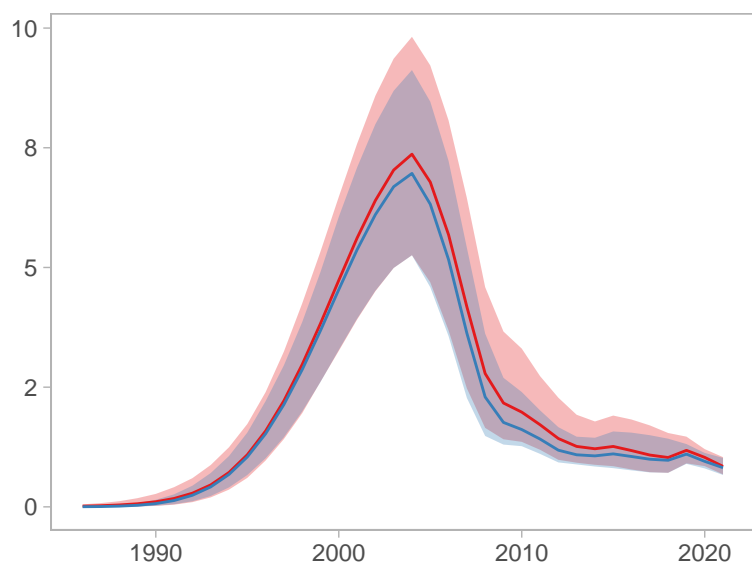
Pregnant women HIV prevalence



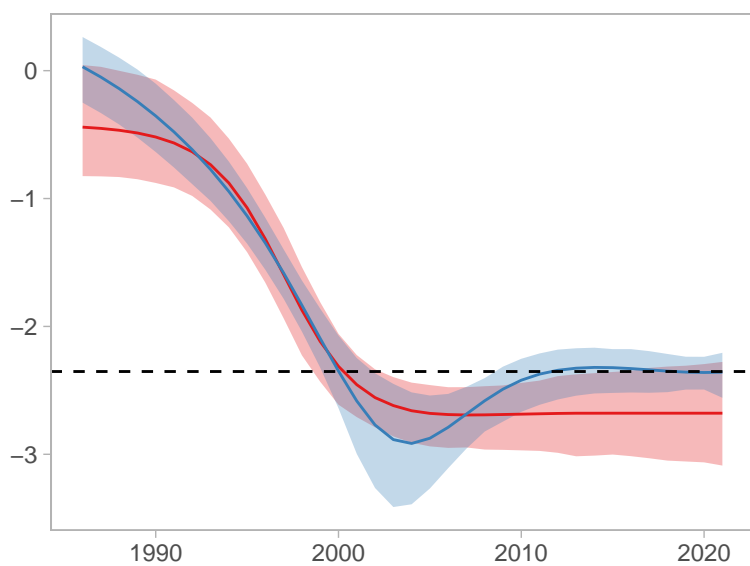
HIV incidence per 1000



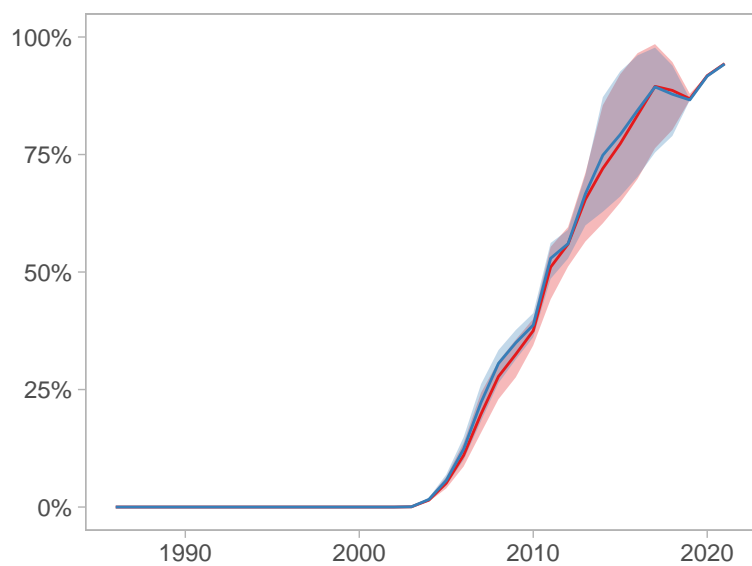
AIDS deaths per 1000 (age 15+)



log r(t)



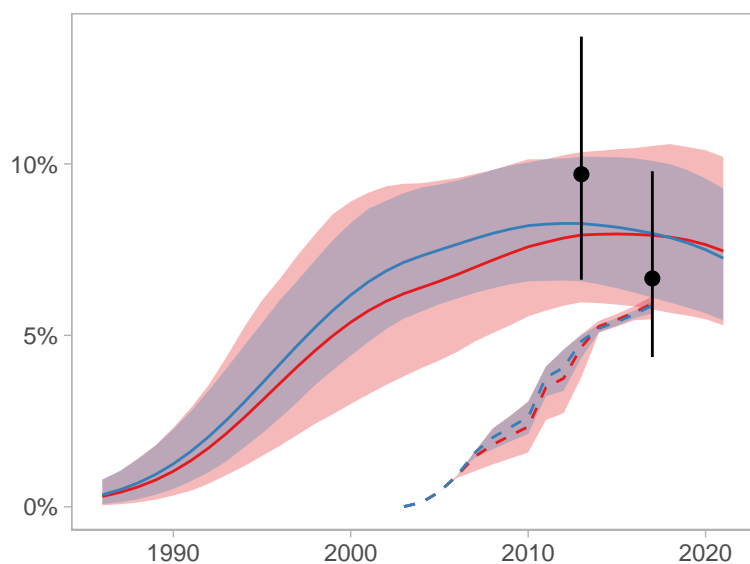
Adult (15+) ART coverage



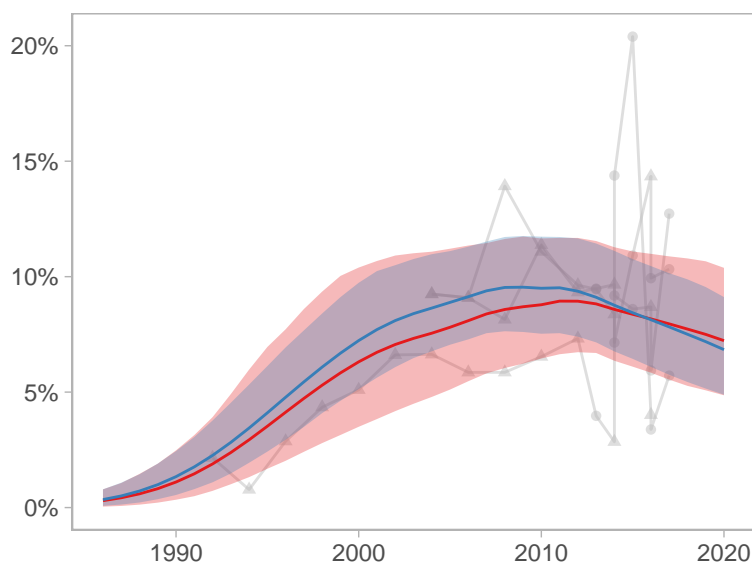
Model: — r-hybrid — r-spline

Namibia – Kunene

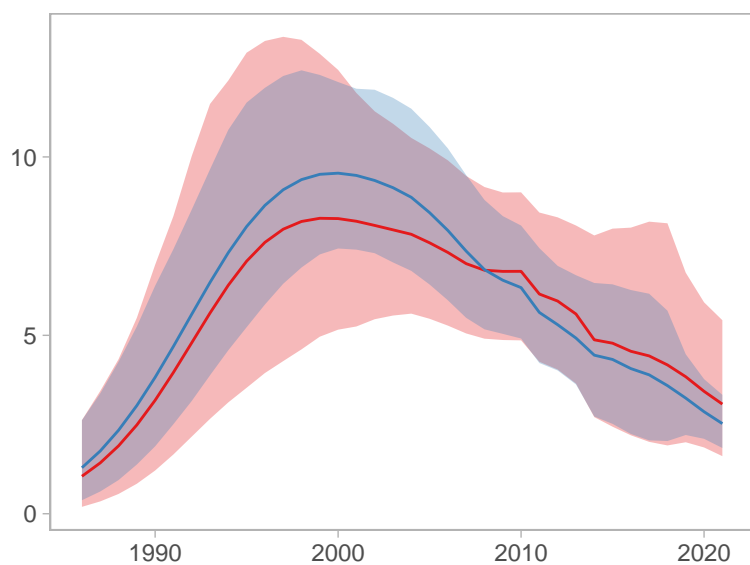
HIV prevalence



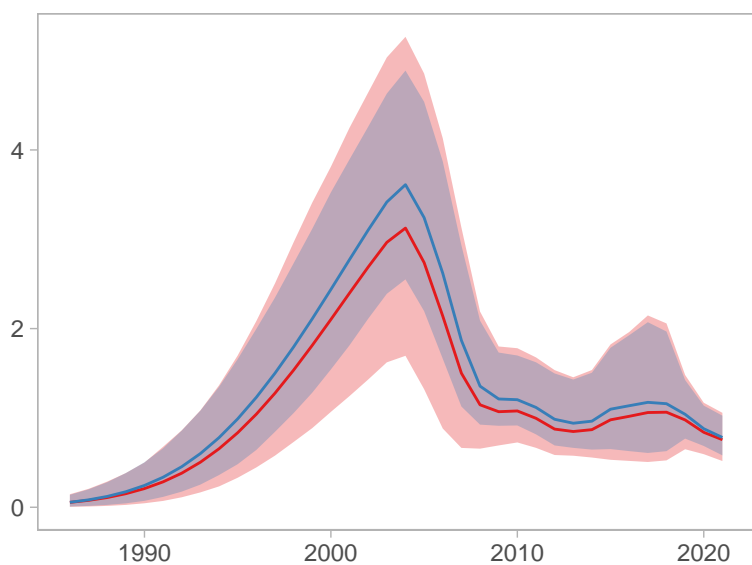
Pregnant women HIV prevalence



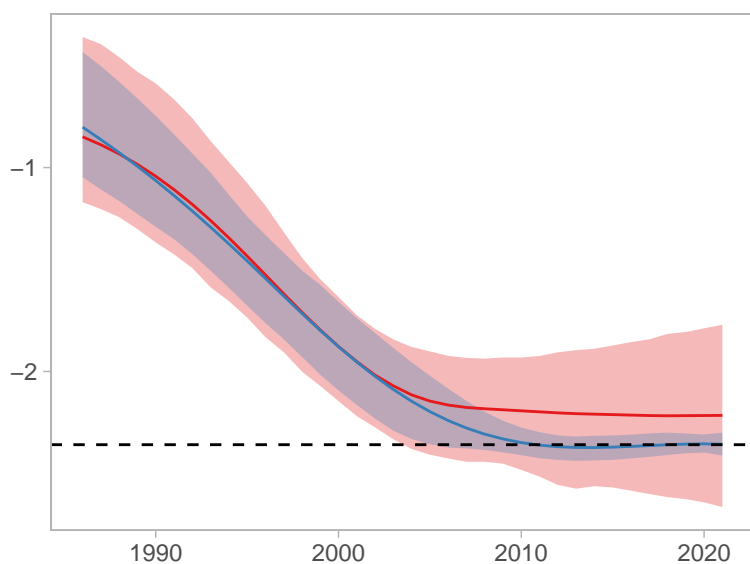
HIV incidence per 1000



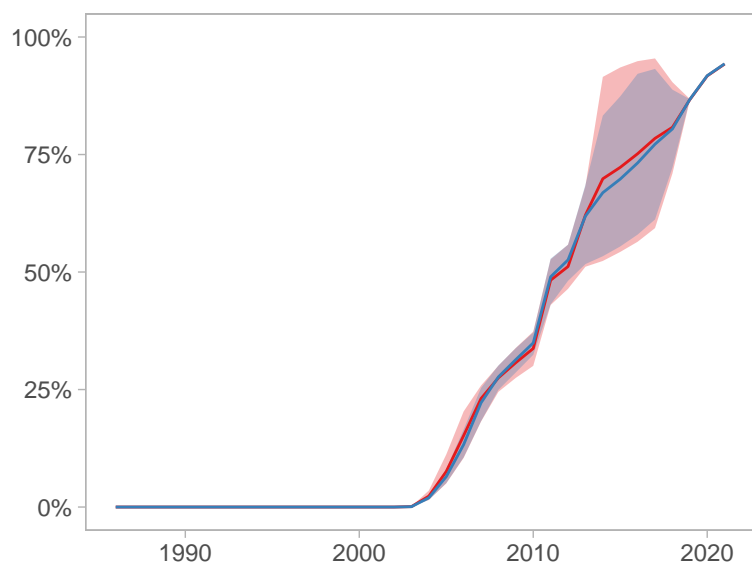
AIDS deaths per 1000 (age 15+)



log r(t)



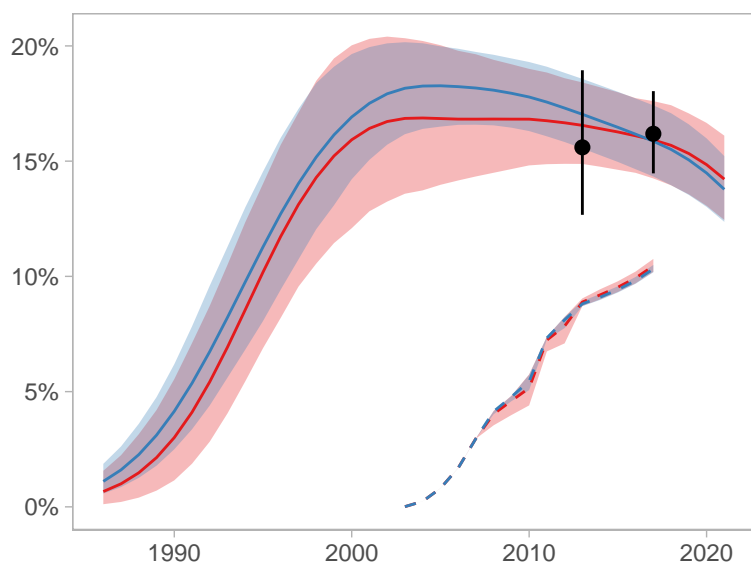
Adult (15+) ART coverage



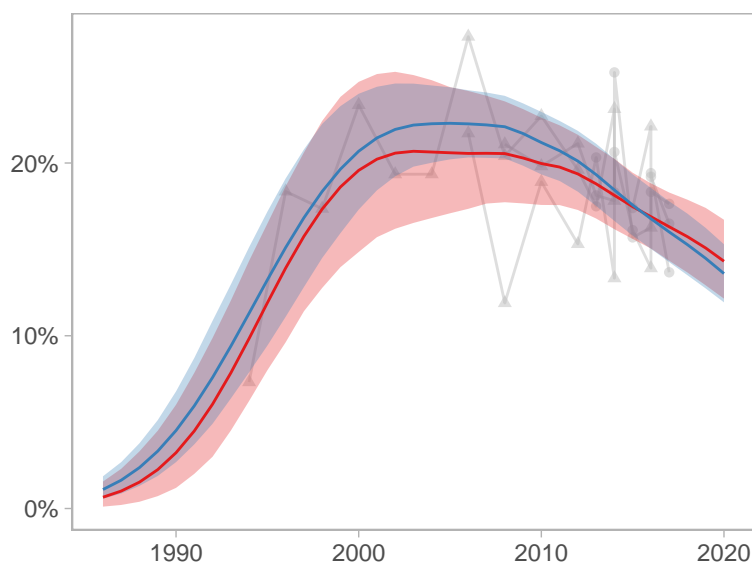
Model: — r-hybrid — r-spline

Namibia – Ohangwena

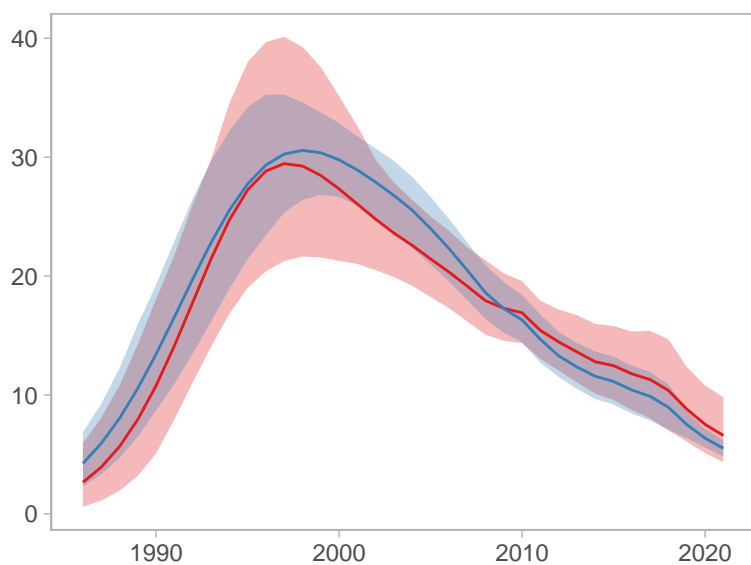
HIV prevalence



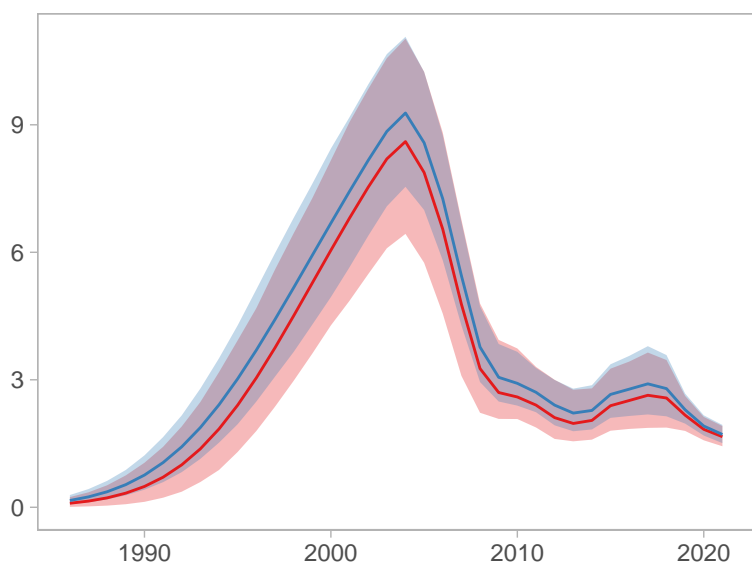
Pregnant women HIV prevalence



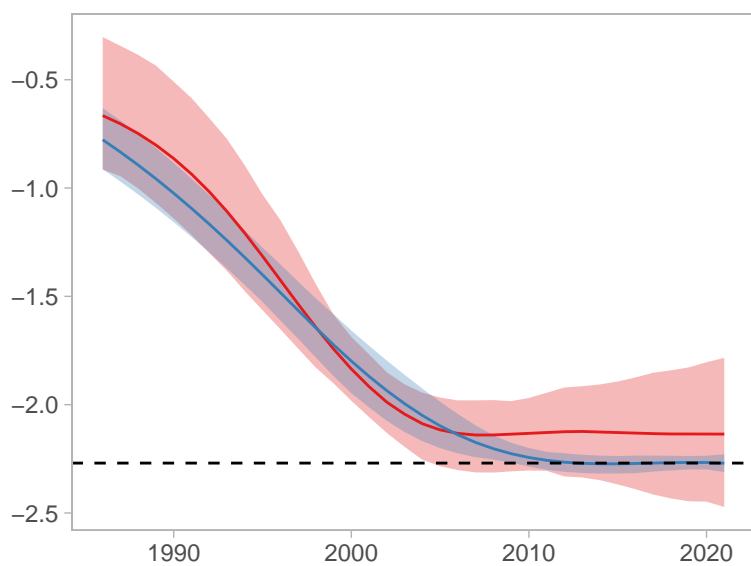
HIV incidence per 1000



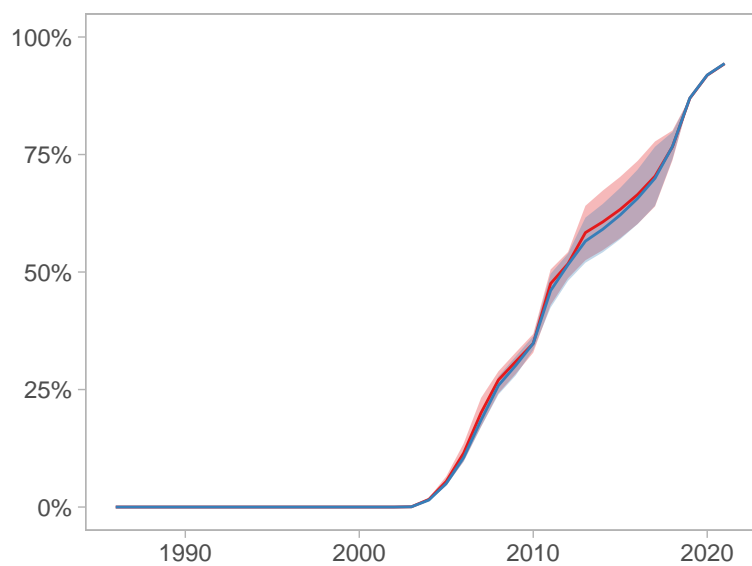
AIDS deaths per 1000 (age 15+)



log r(t)



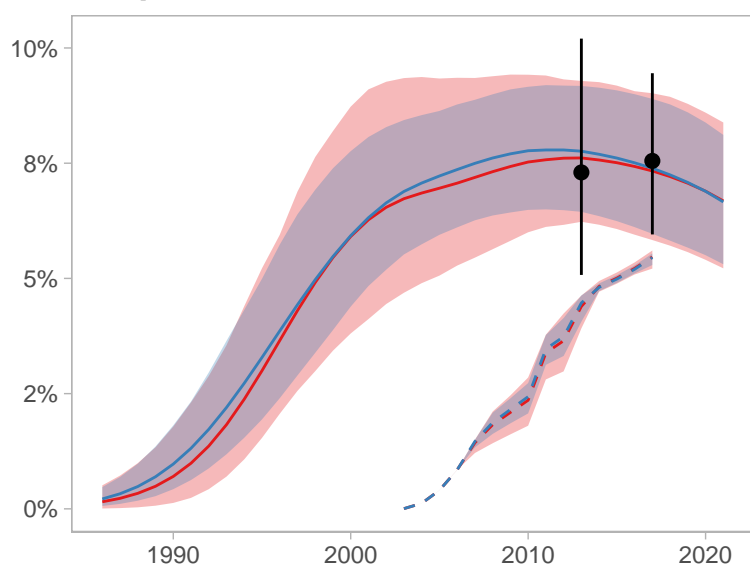
Adult (15+) ART coverage



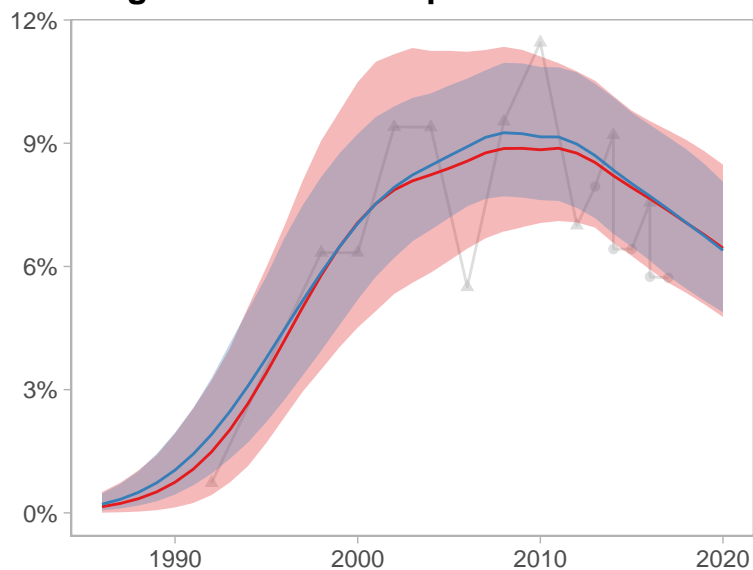
Model: — r-hybrid — r-spline

Namibia – Omaheke

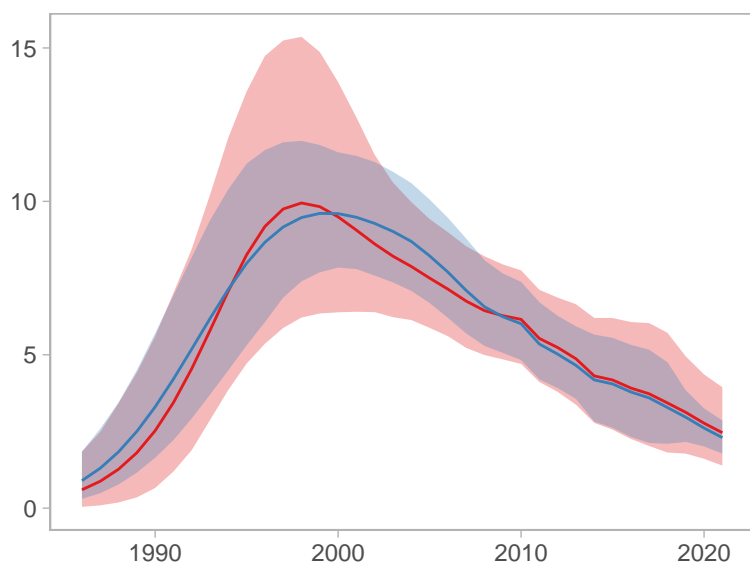
HIV prevalence



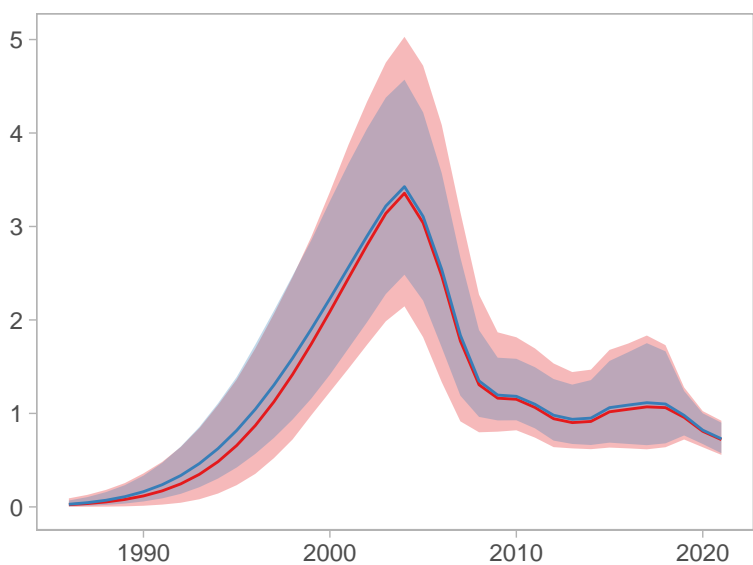
Pregnant women HIV prevalence



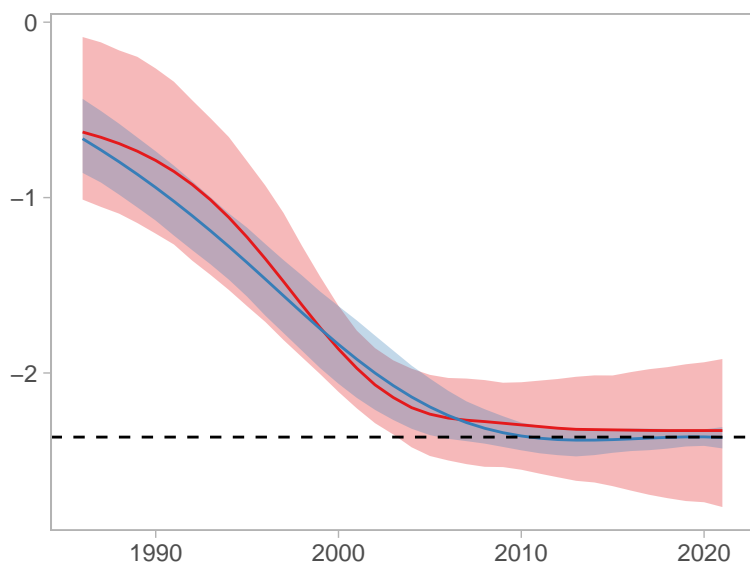
HIV incidence per 1000



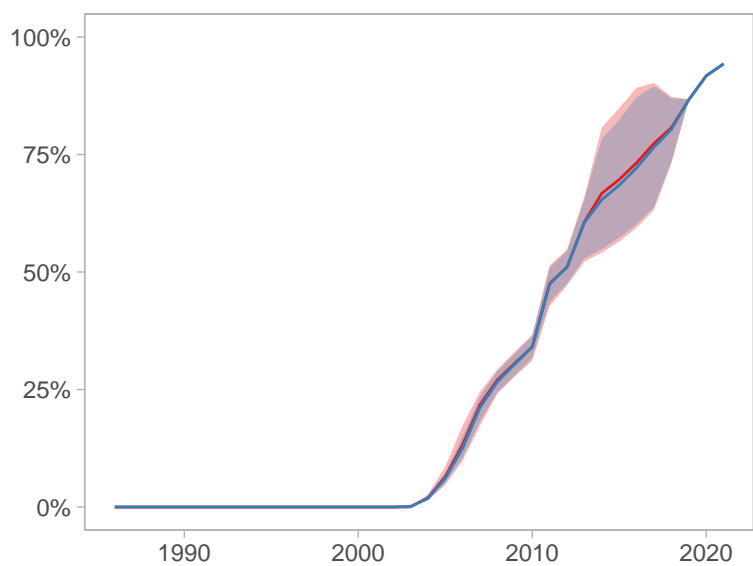
AIDS deaths per 1000 (age 15+)



log r(t)



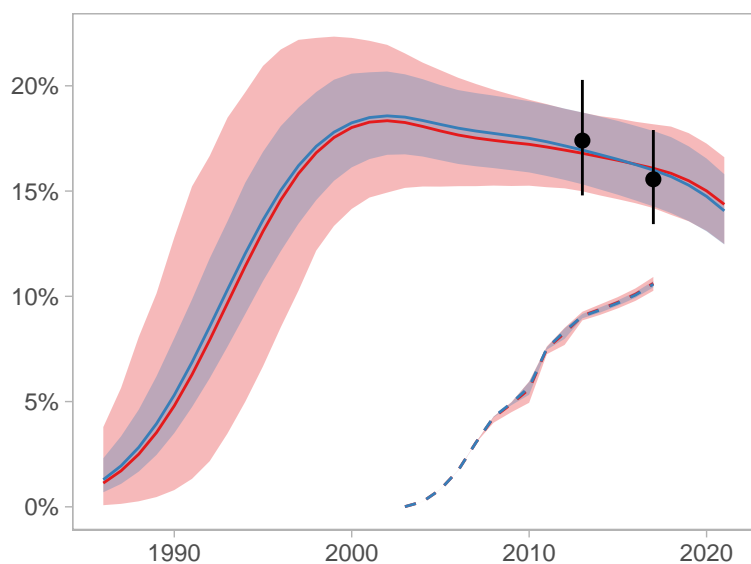
Adult (15+) ART coverage



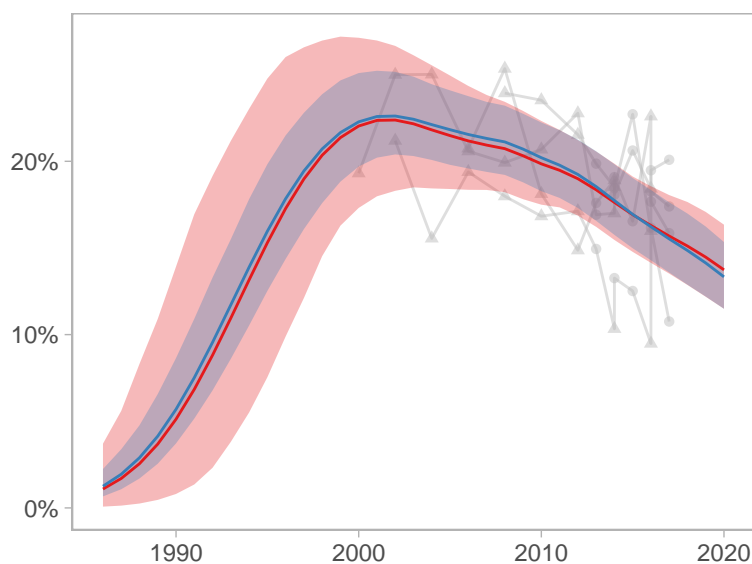
Model: ■ r-hybrid ■ r-spline

Namibia – Omusati

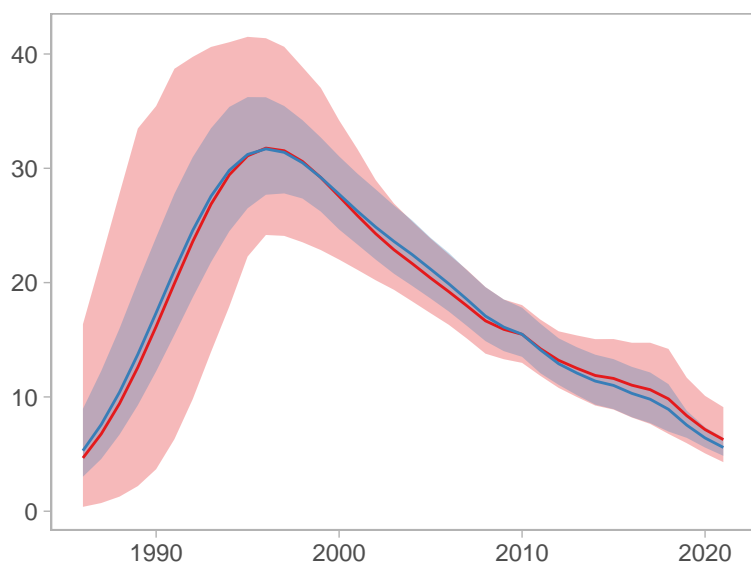
HIV prevalence



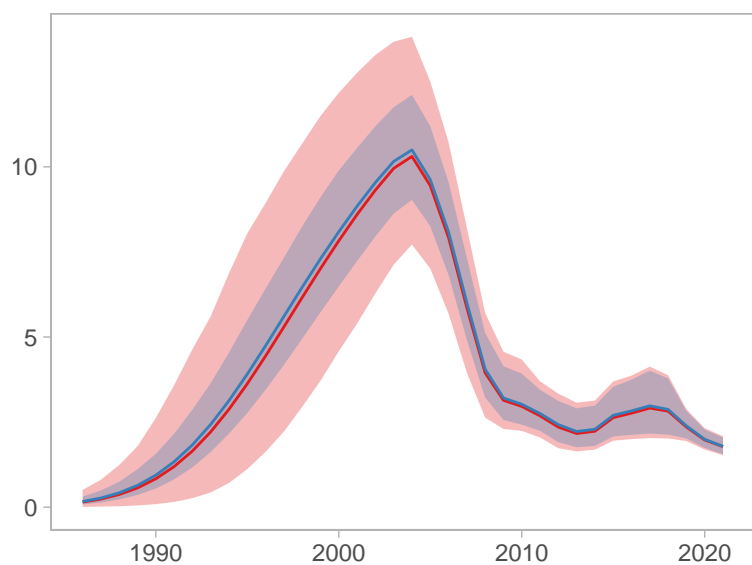
Pregnant women HIV prevalence



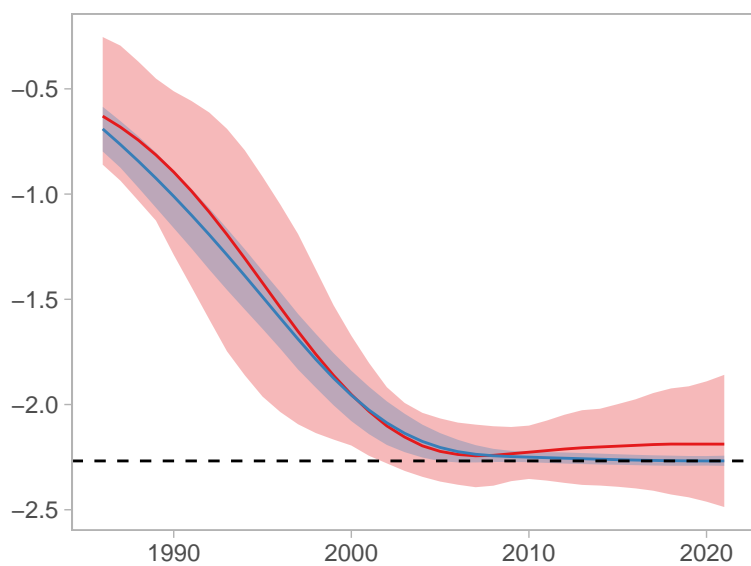
HIV incidence per 1000



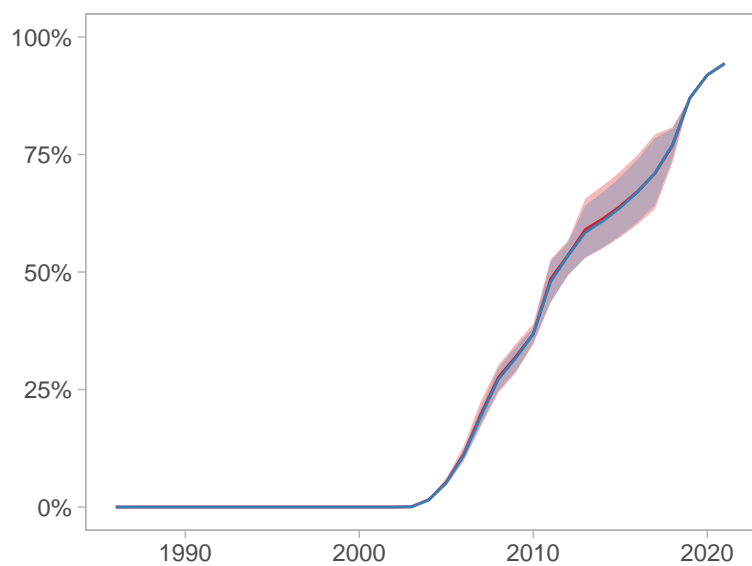
AIDS deaths per 1000 (age 15+)



log r(t)



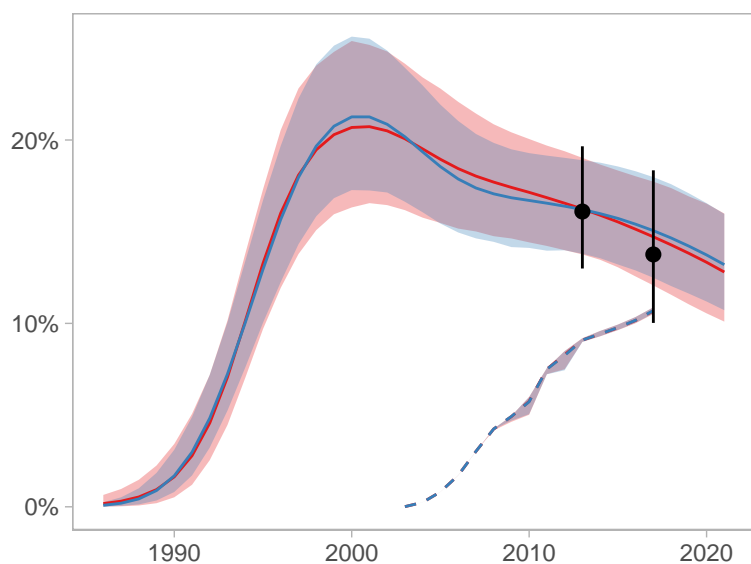
Adult (15+) ART coverage



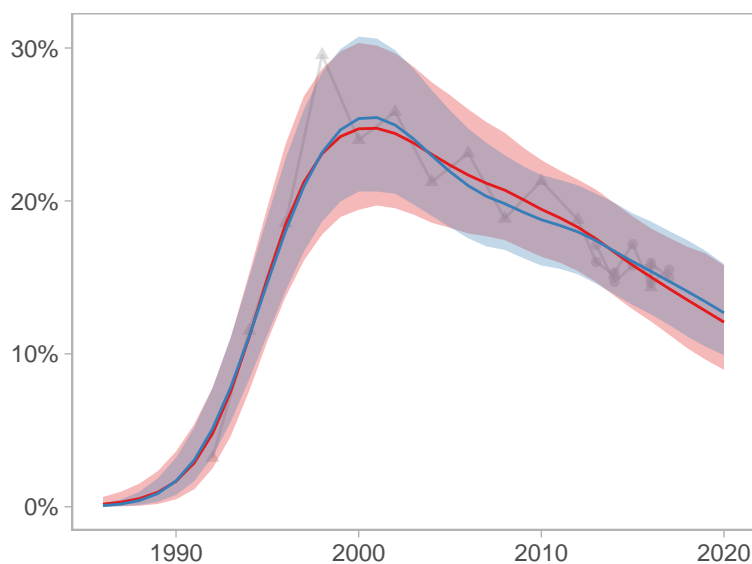
Model: ■ r-hybrid ■ r-spline

Namibia – Oshana

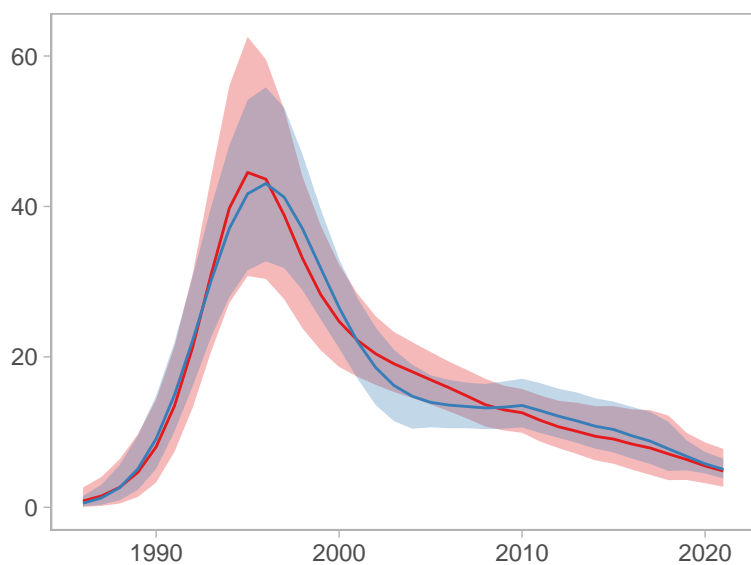
HIV prevalence



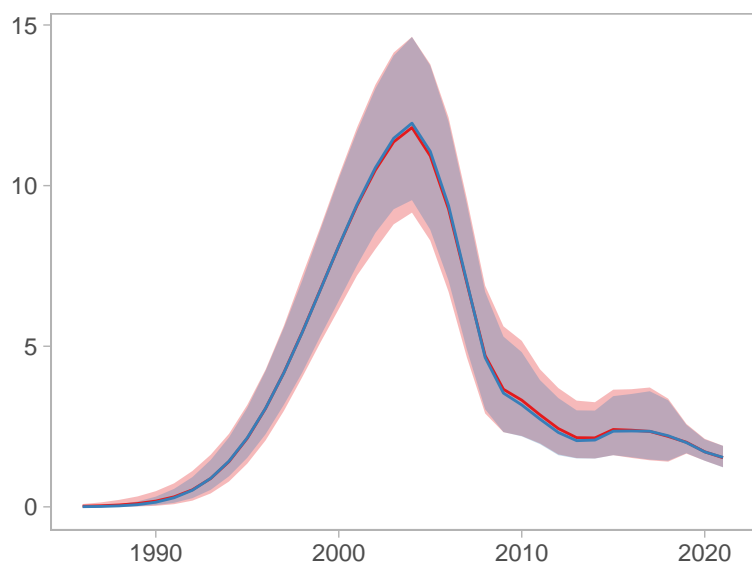
Pregnant women HIV prevalence



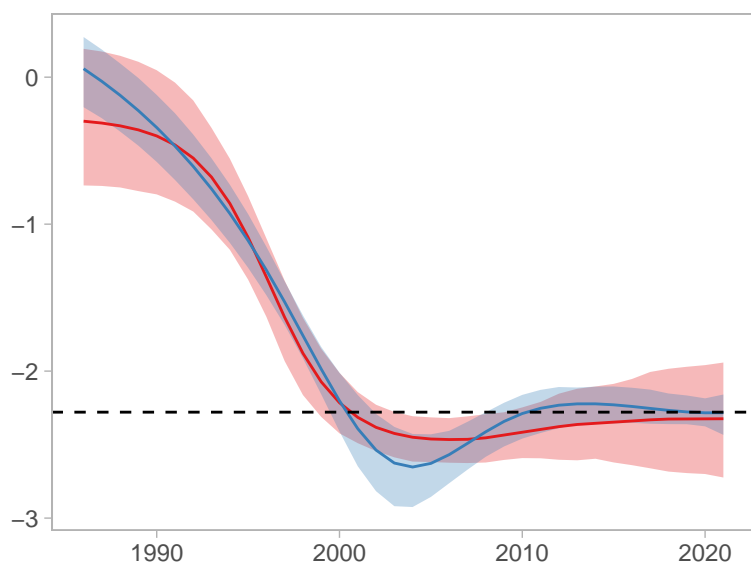
HIV incidence per 1000



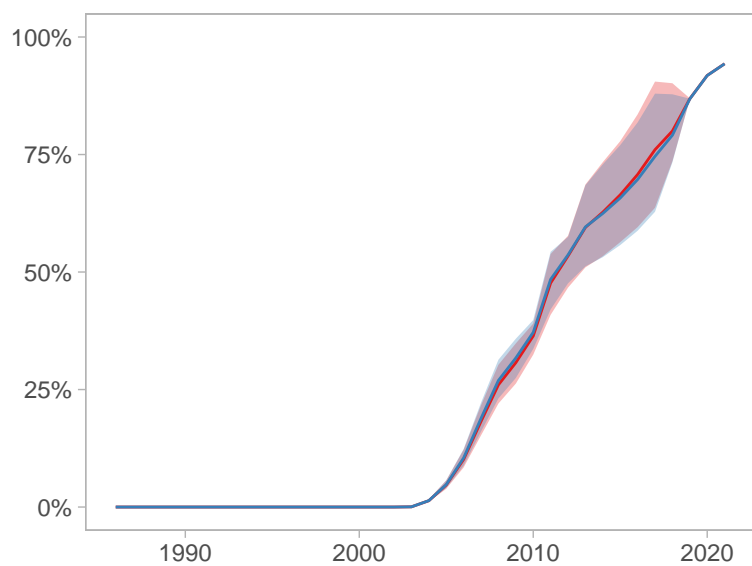
AIDS deaths per 1000 (age 15+)



log r(t)



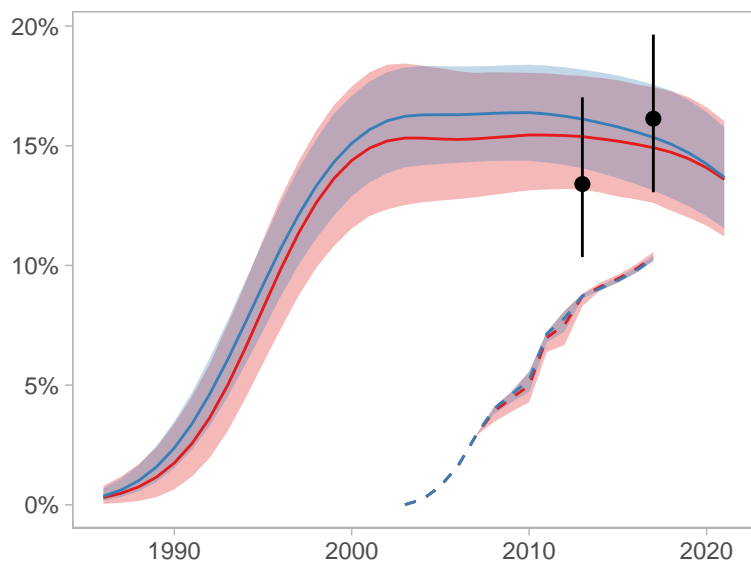
Adult (15+) ART coverage



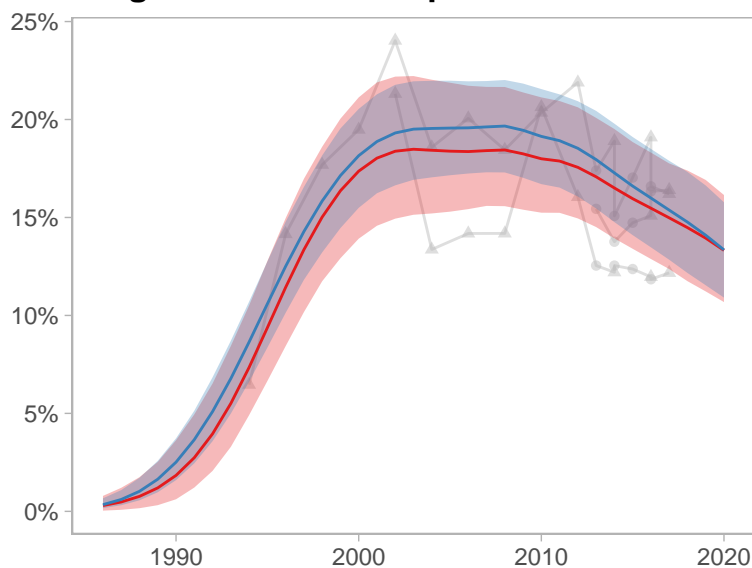
Model: ■ r-hybrid ■ r-spline

Namibia – Oshikoto

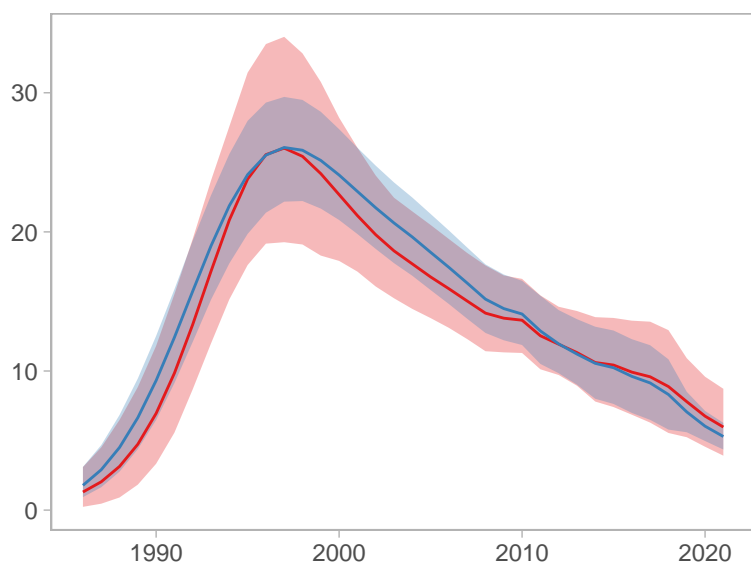
HIV prevalence



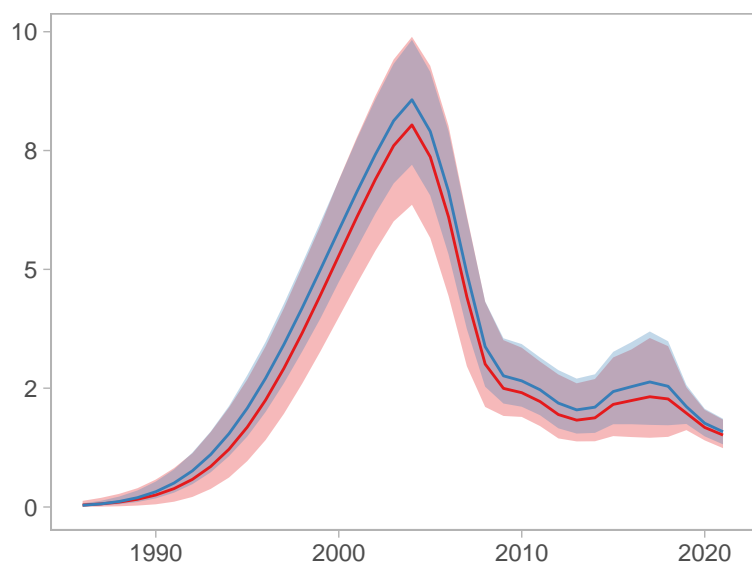
Pregnant women HIV prevalence



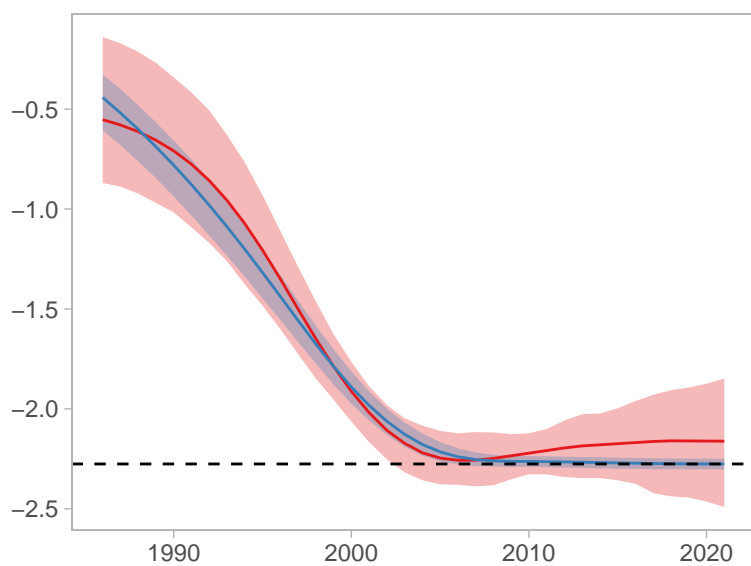
HIV incidence per 1000



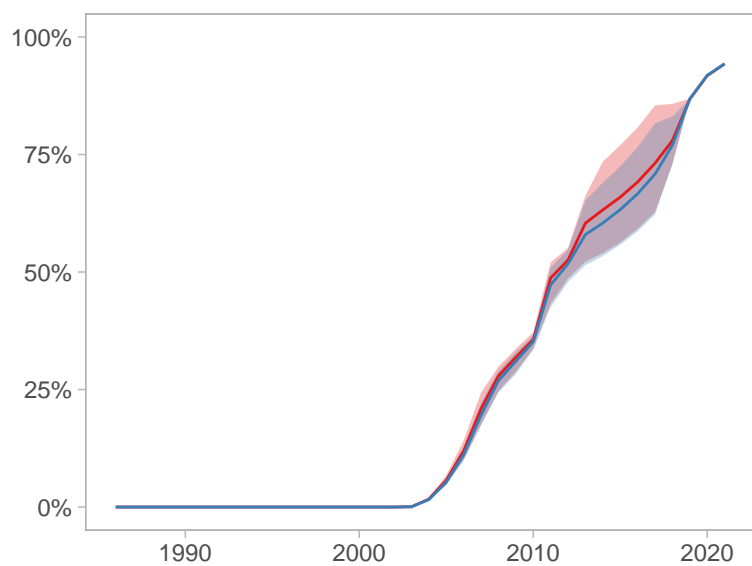
AIDS deaths per 1000 (age 15+)



log r(t)



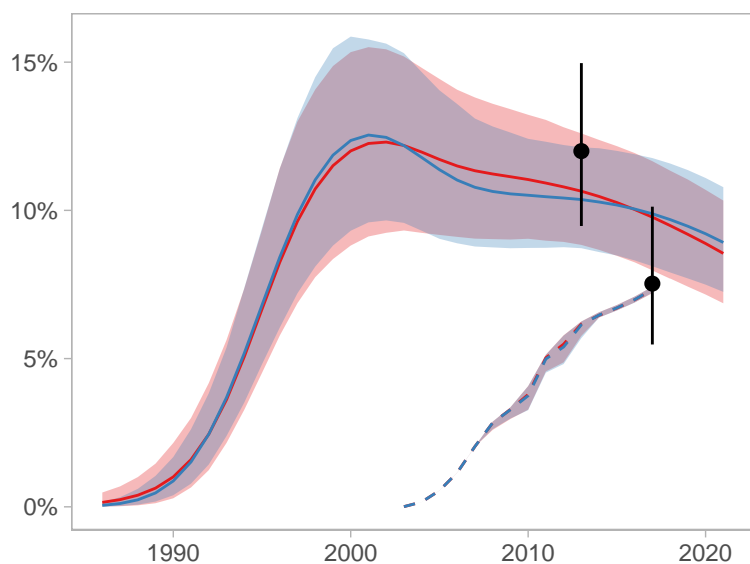
Adult (15+) ART coverage



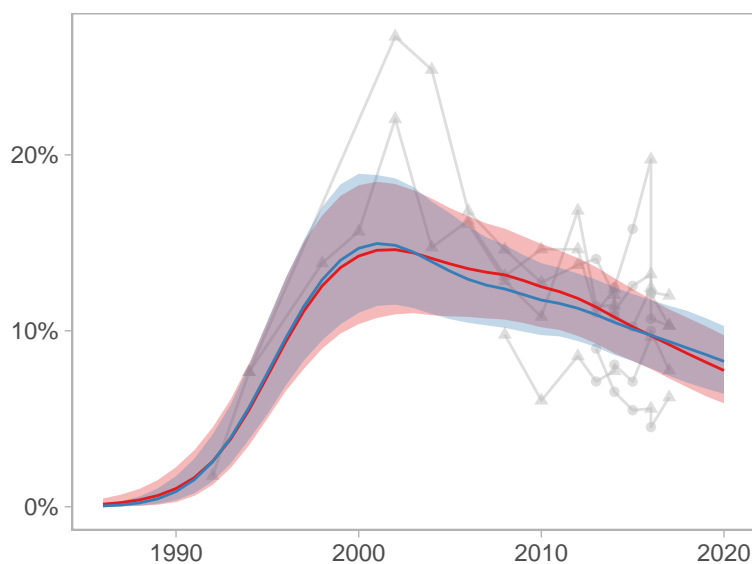
Model: — r-hybrid — r-spline

Namibia – Otjozondjupa

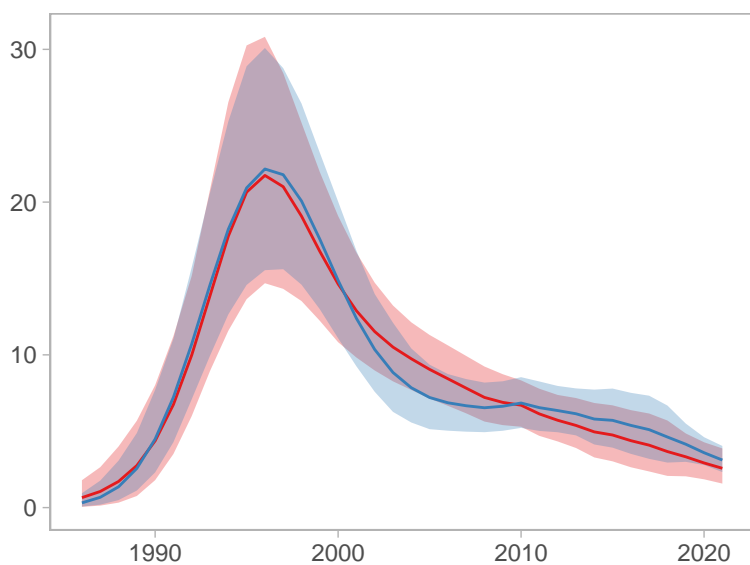
HIV prevalence



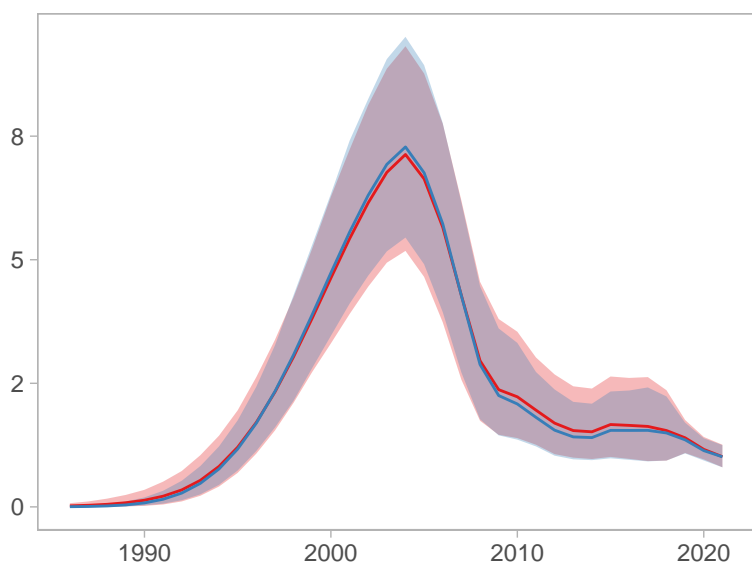
Pregnant women HIV prevalence



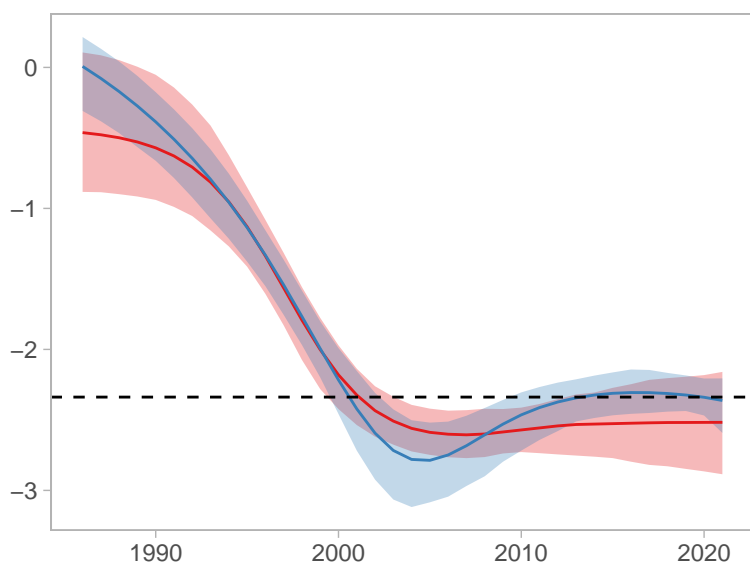
HIV incidence per 1000



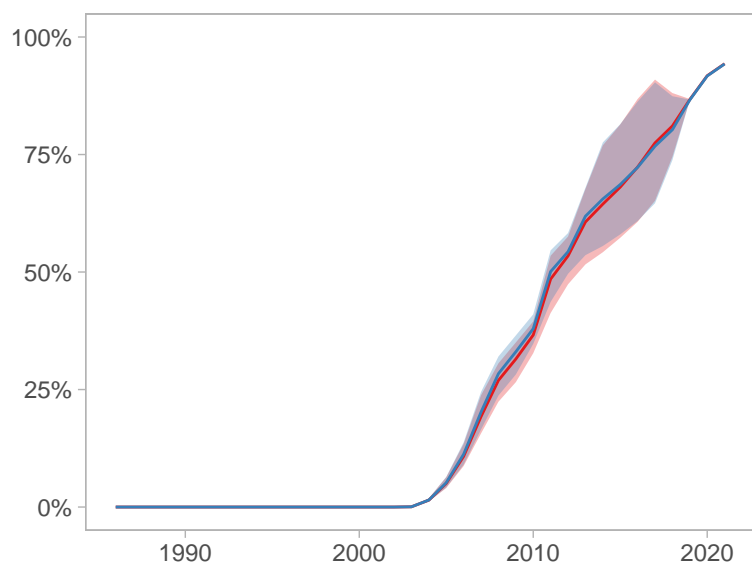
AIDS deaths per 1000 (age 15+)



log r(t)



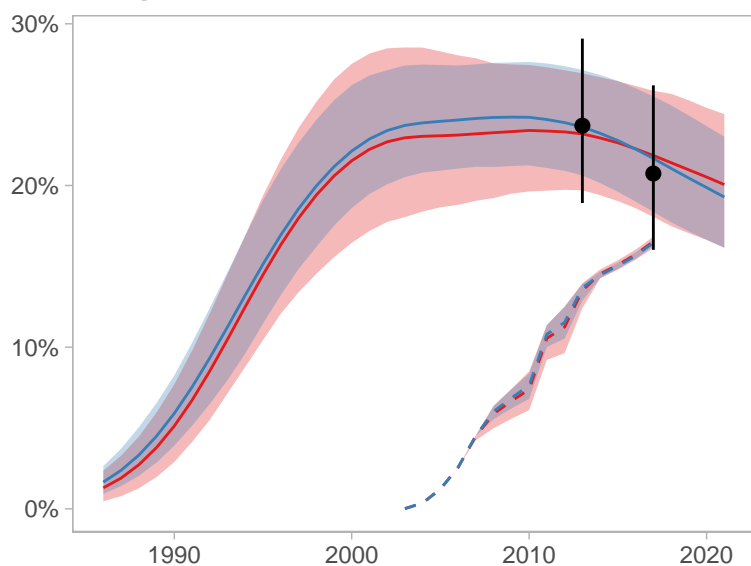
Adult (15+) ART coverage



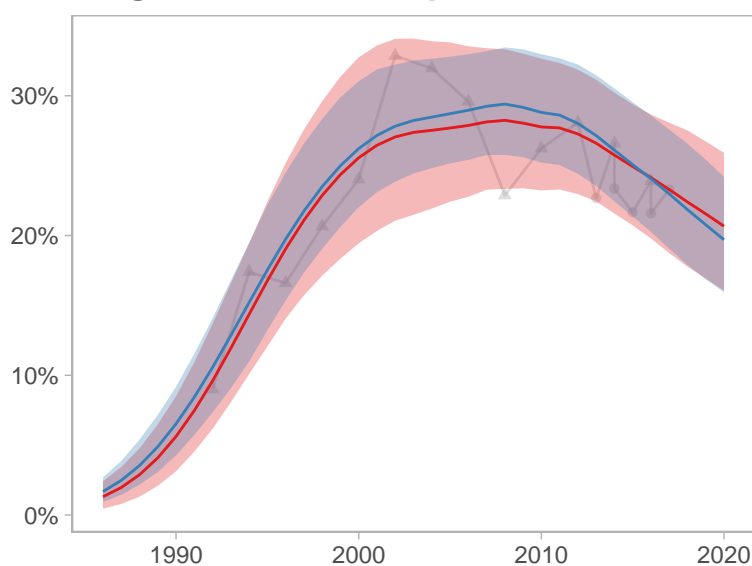
Model: — r-hybrid — r-spline

Namibia – Zambezi

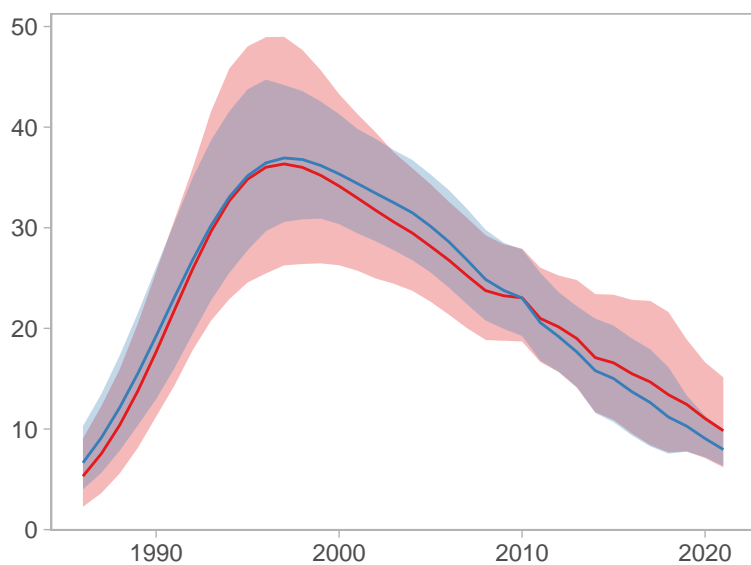
HIV prevalence



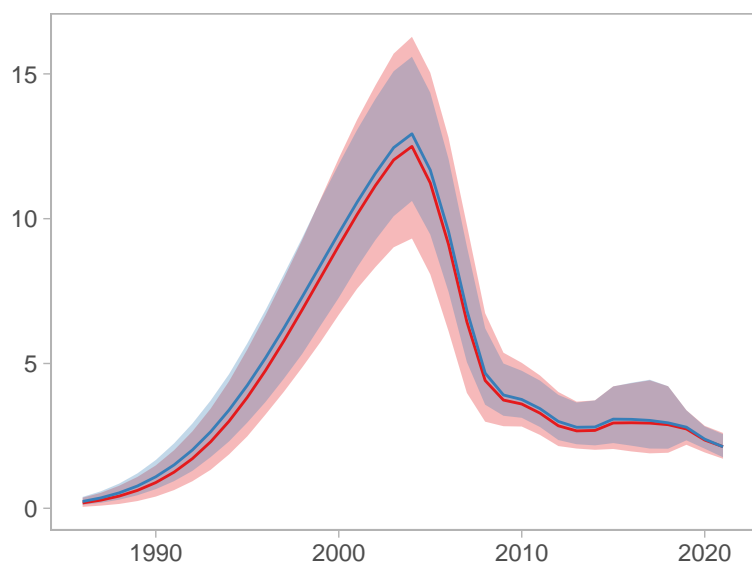
Pregnant women HIV prevalence



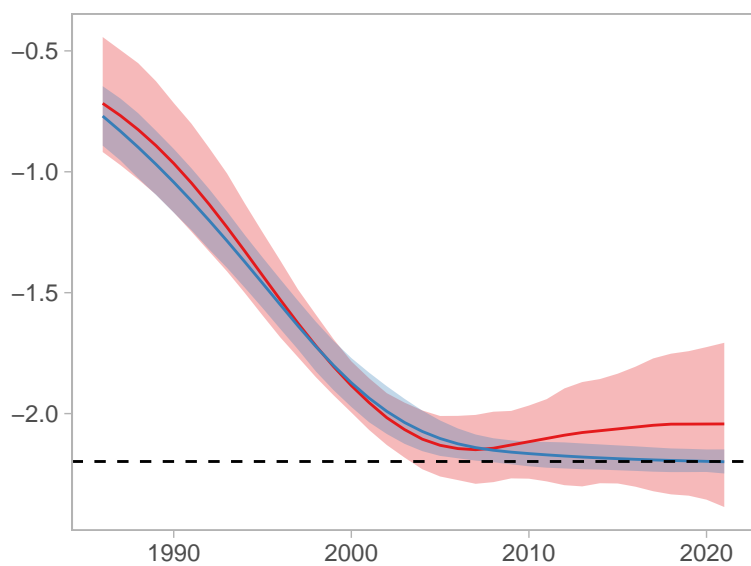
HIV incidence per 1000



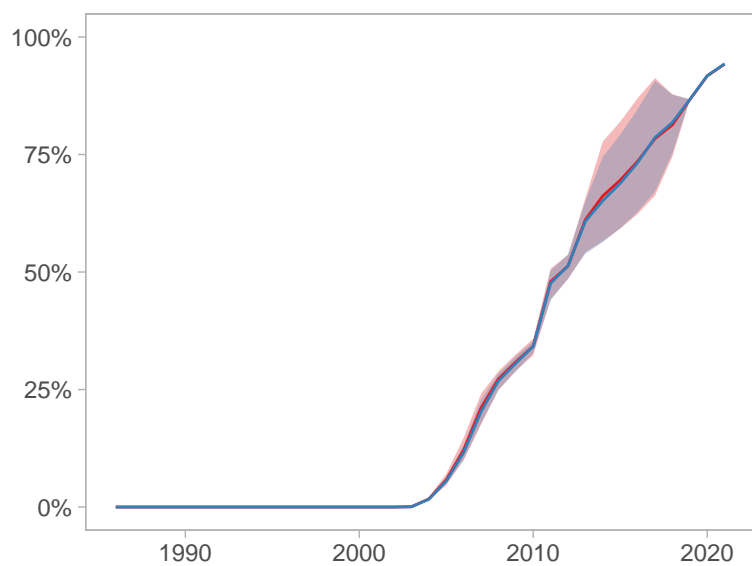
AIDS deaths per 1000 (age 15+)



log r(t)



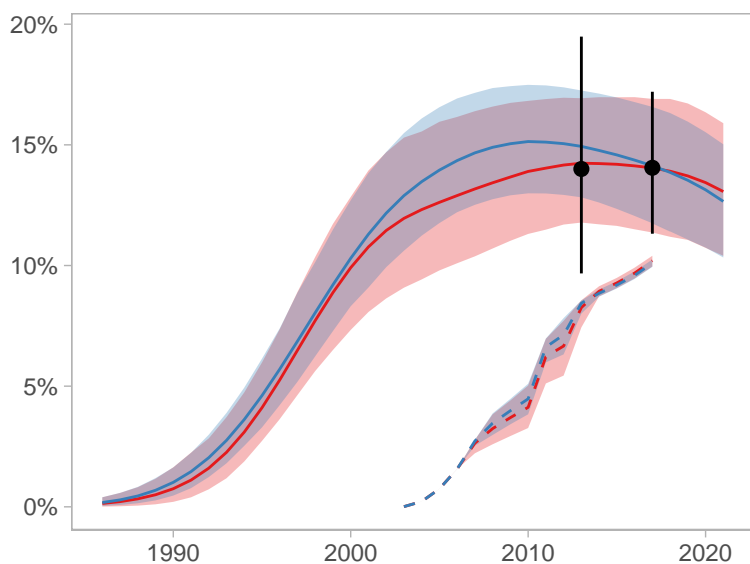
Adult (15+) ART coverage



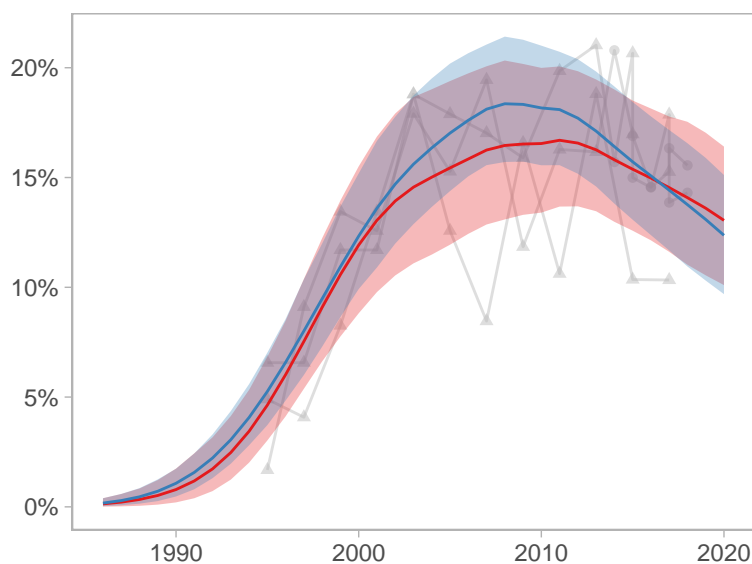
Model: — r-hybrid — r-spline

Namibia – Kavango East

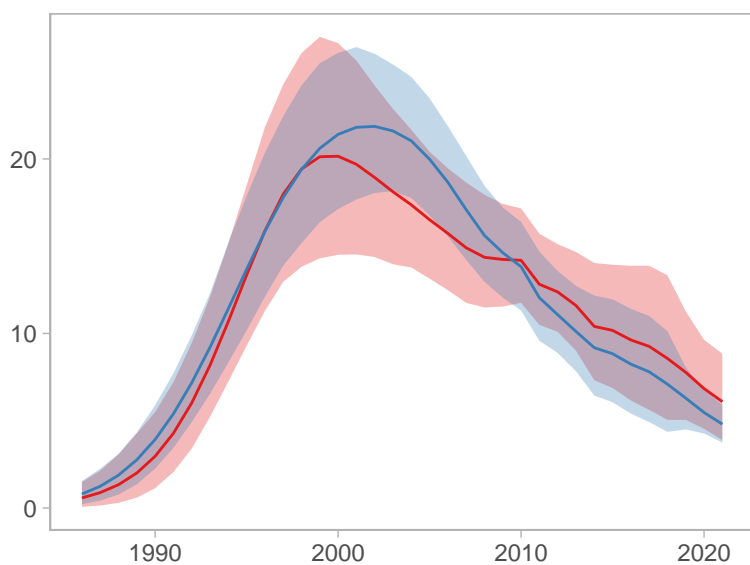
HIV prevalence



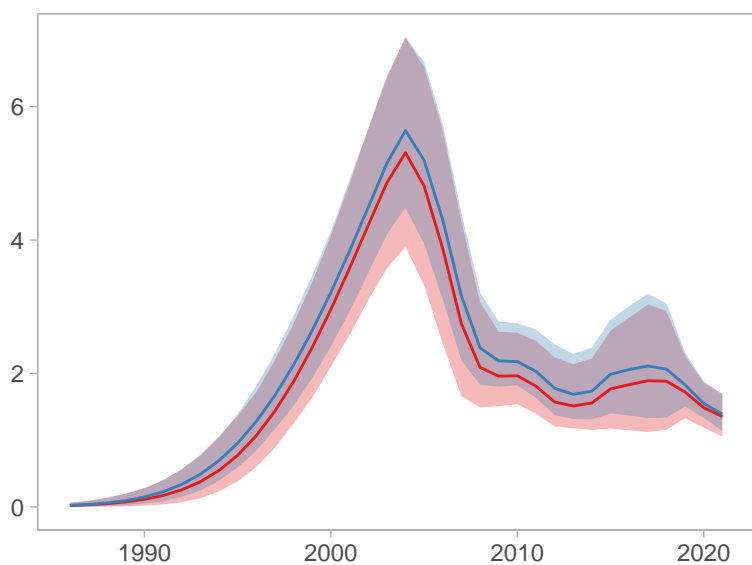
Pregnant women HIV prevalence



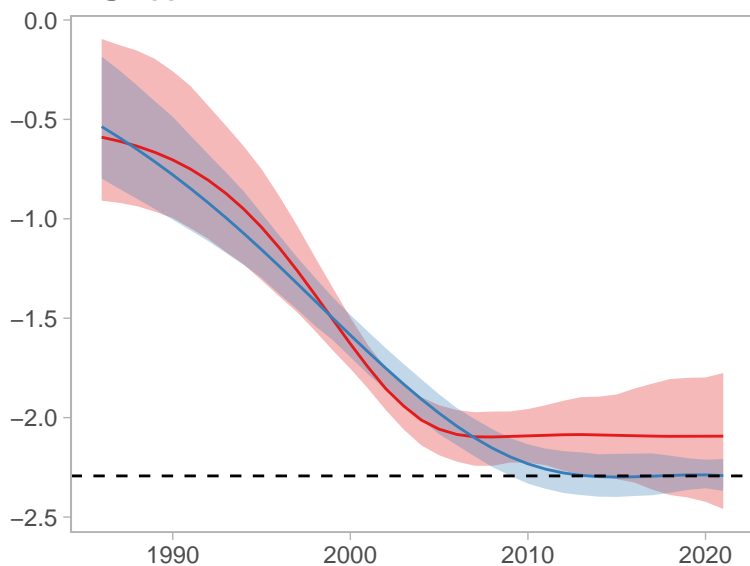
HIV incidence per 1000



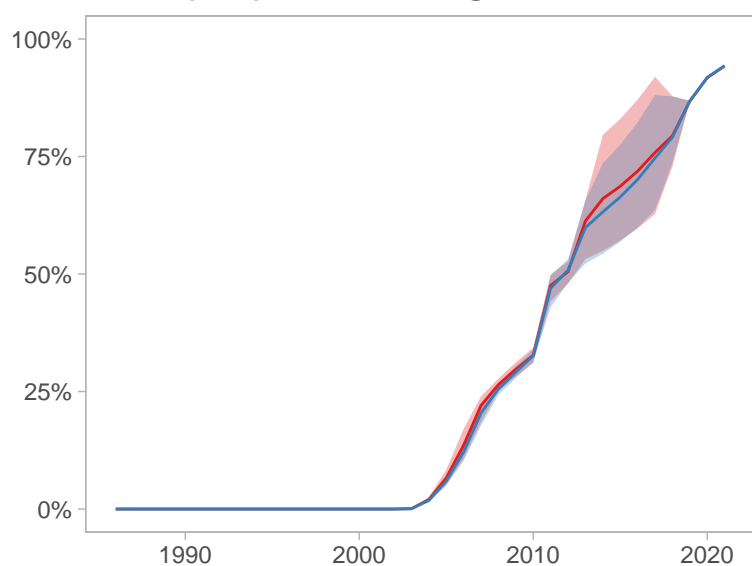
AIDS deaths per 1000 (age 15+)



log r(t)

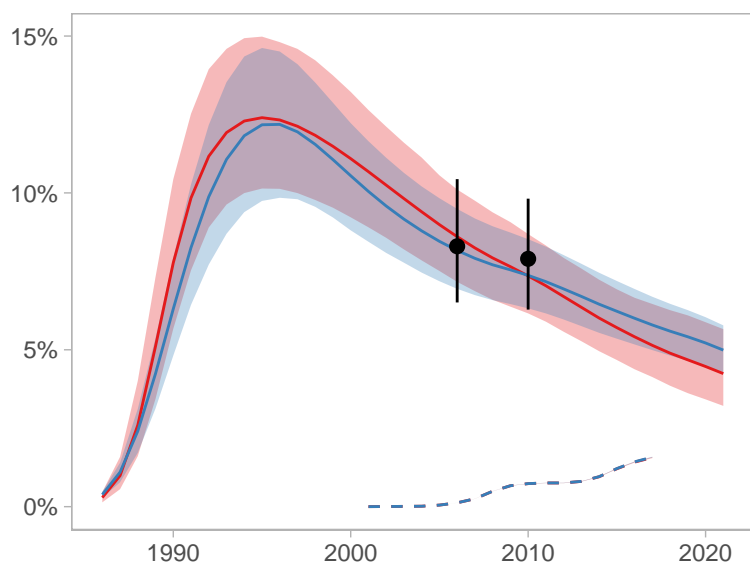


Adult (15+) ART coverage

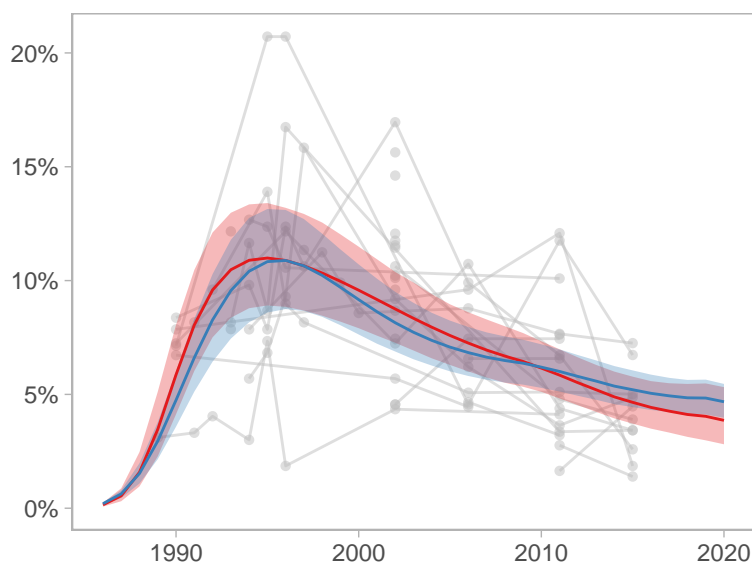


Model: — r-hybrid — r-spline

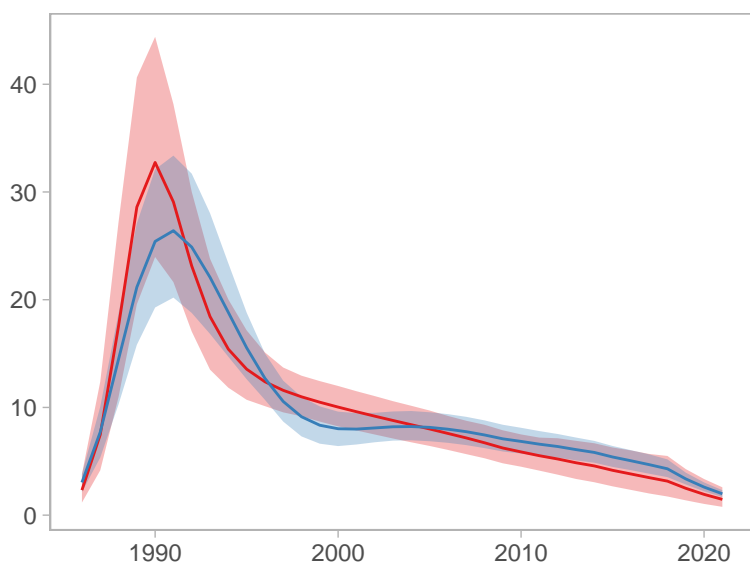
Central African Republic – Urban HIV prevalence



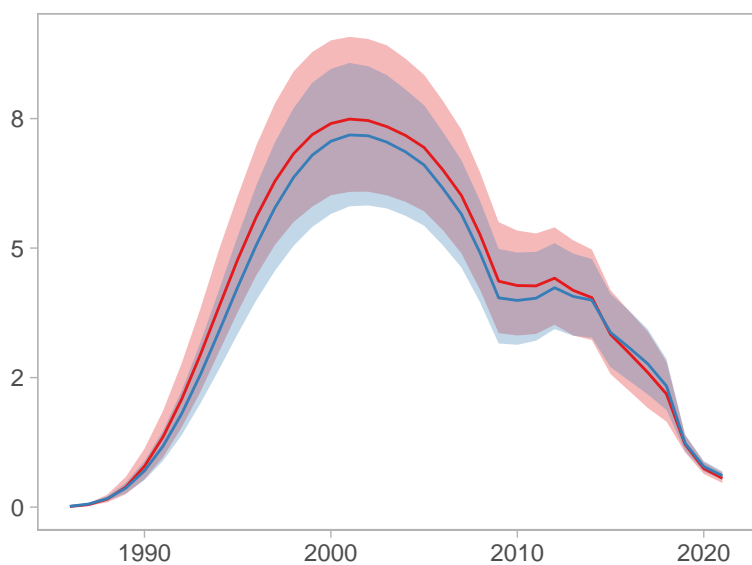
Pregnant women HIV prevalence



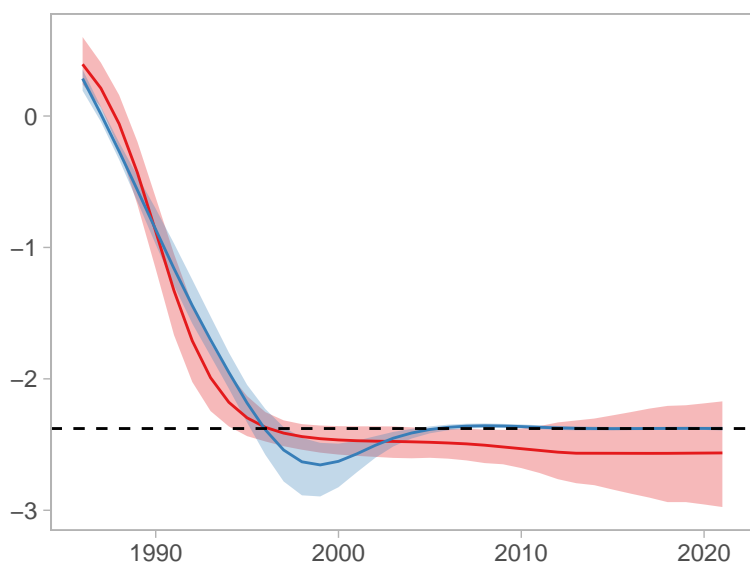
HIV incidence per 1000



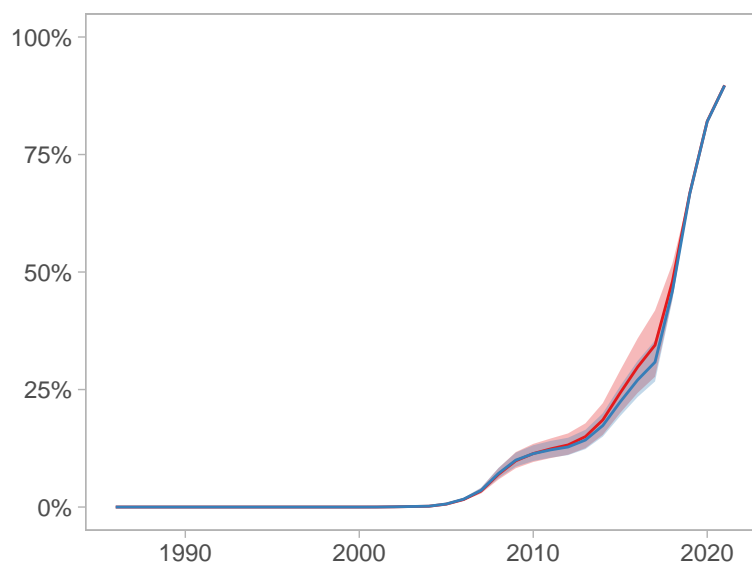
AIDS deaths per 1000 (age 15+)



log r(t)



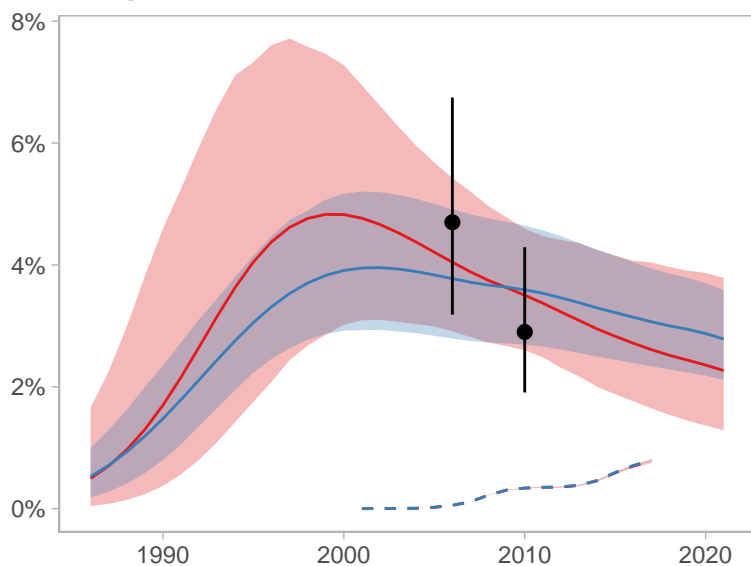
Adult (15+) ART coverage



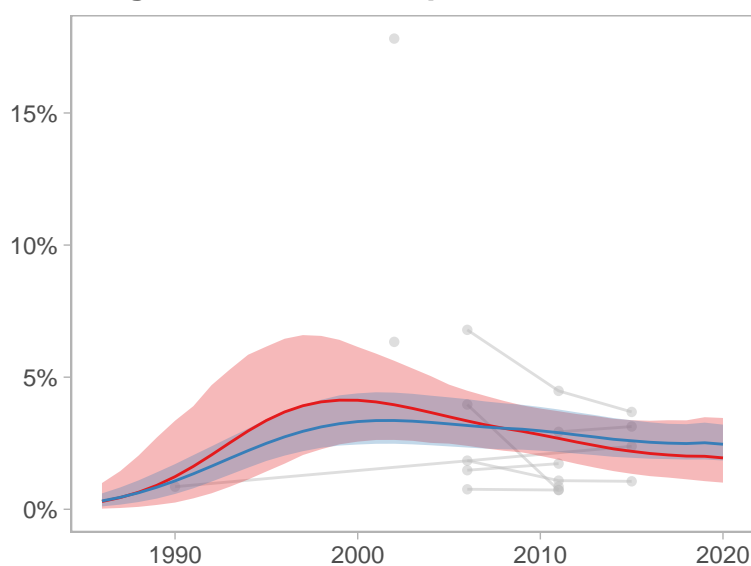
Model: — r-hybrid — r-spline

Central African Republic – Rural

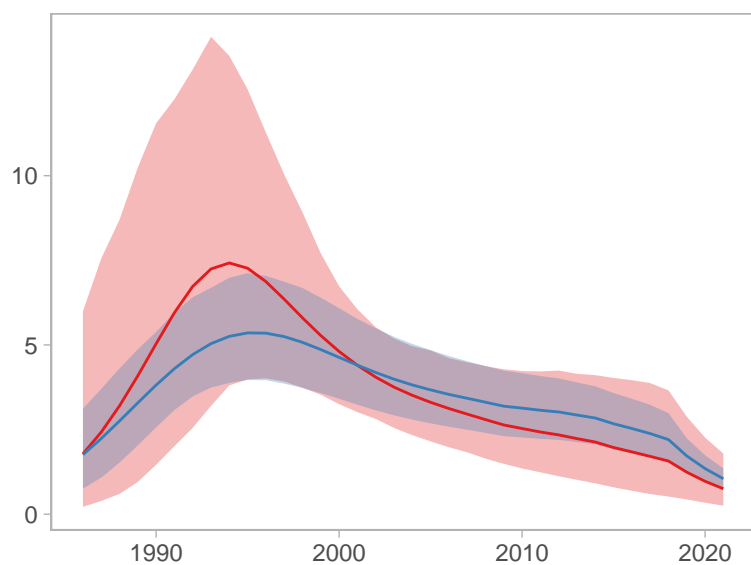
HIV prevalence



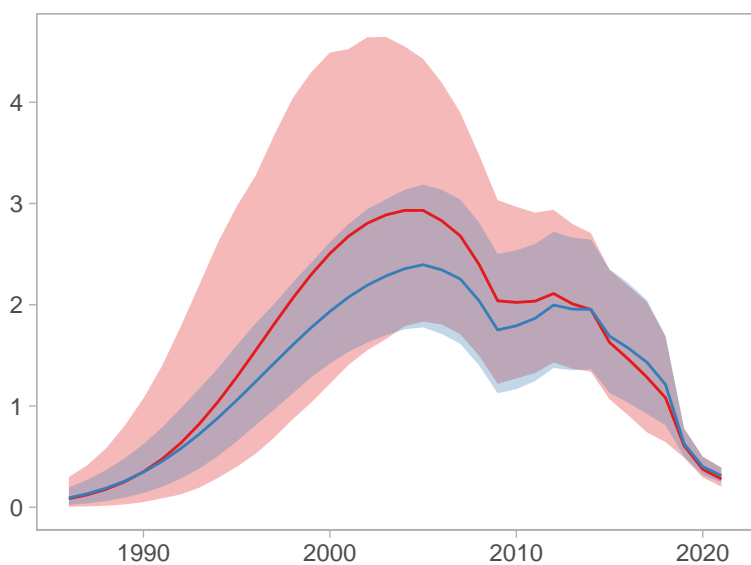
Pregnant women HIV prevalence



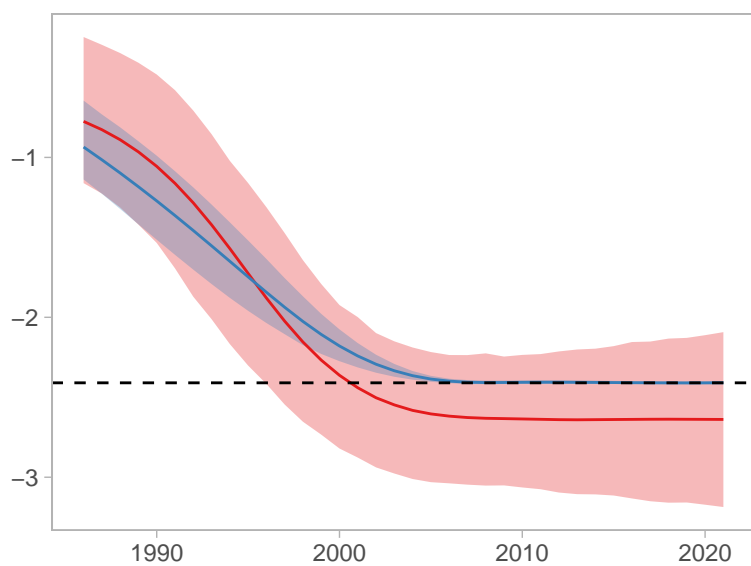
HIV incidence per 1000



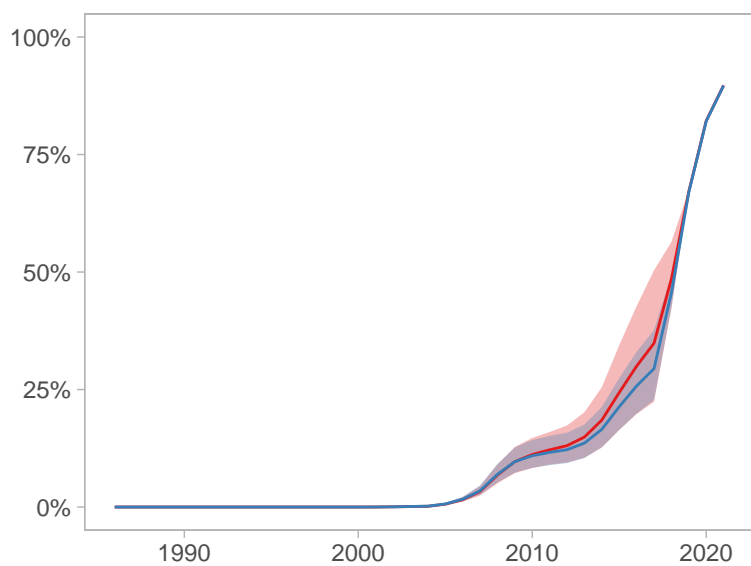
AIDS deaths per 1000 (age 15+)



log r(t)



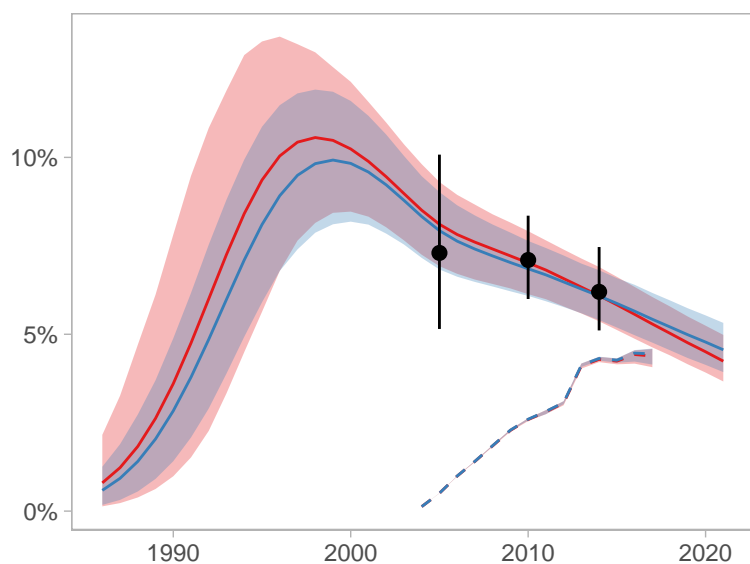
Adult (15+) ART coverage



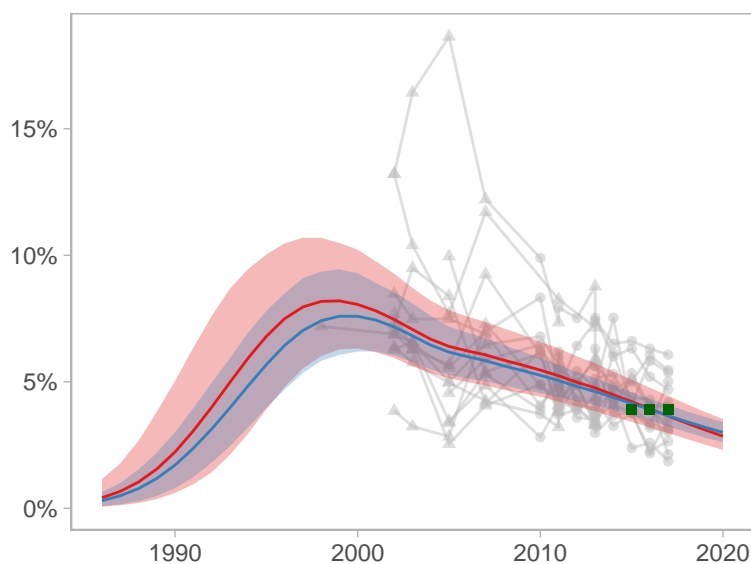
Model: — r-hybrid — r-spline

Rwanda – Urban

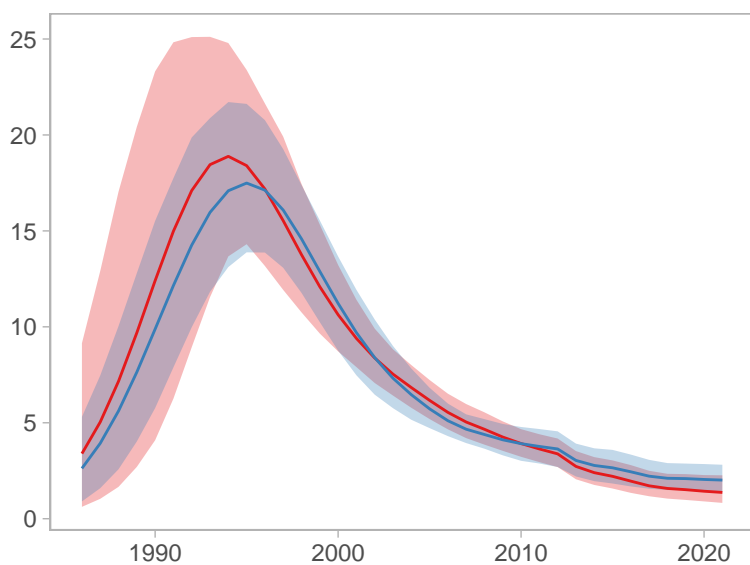
HIV prevalence



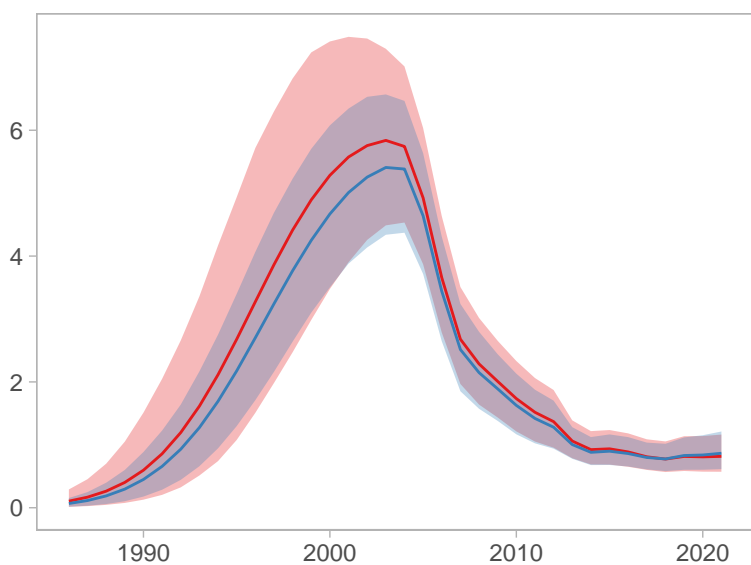
Pregnant women HIV prevalence



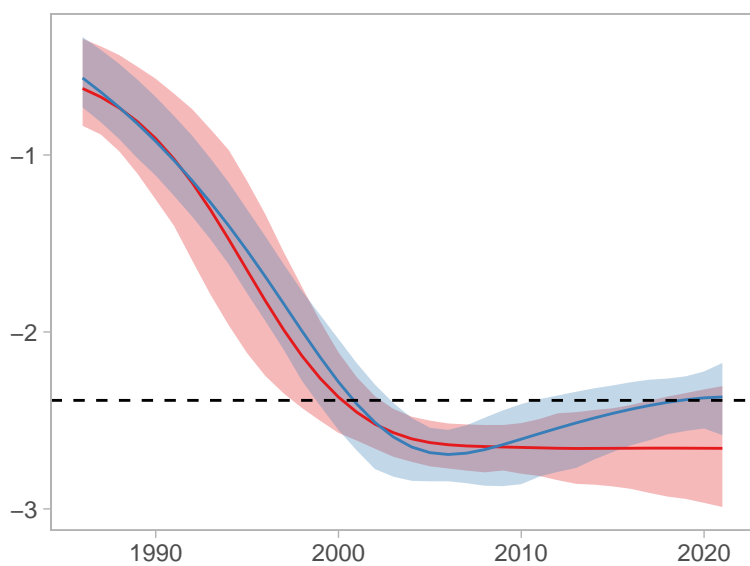
HIV incidence per 1000



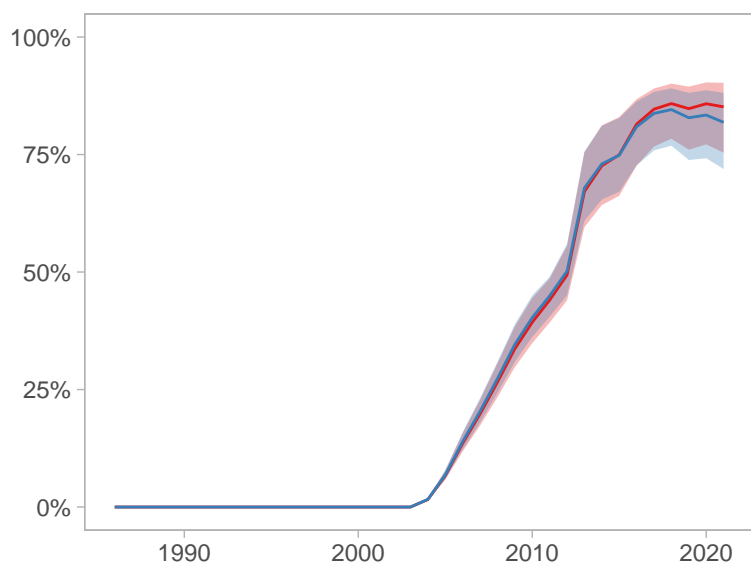
AIDS deaths per 1000 (age 15+)



log r(t)



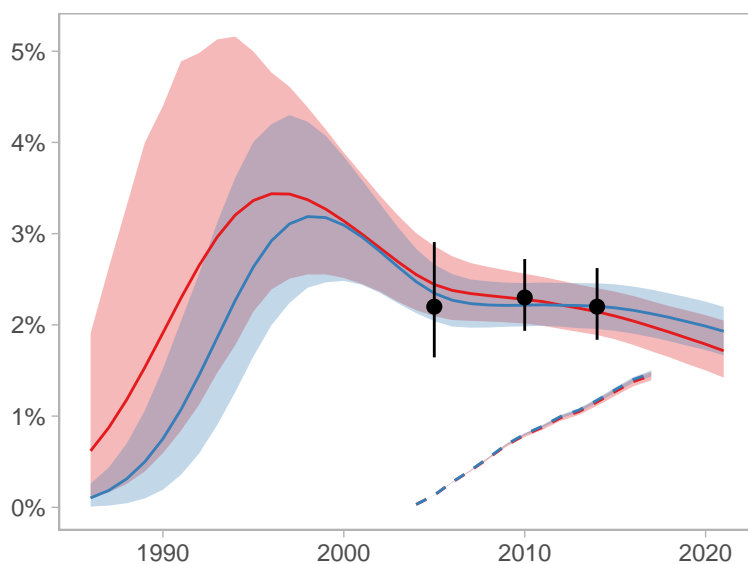
Adult (15+) ART coverage



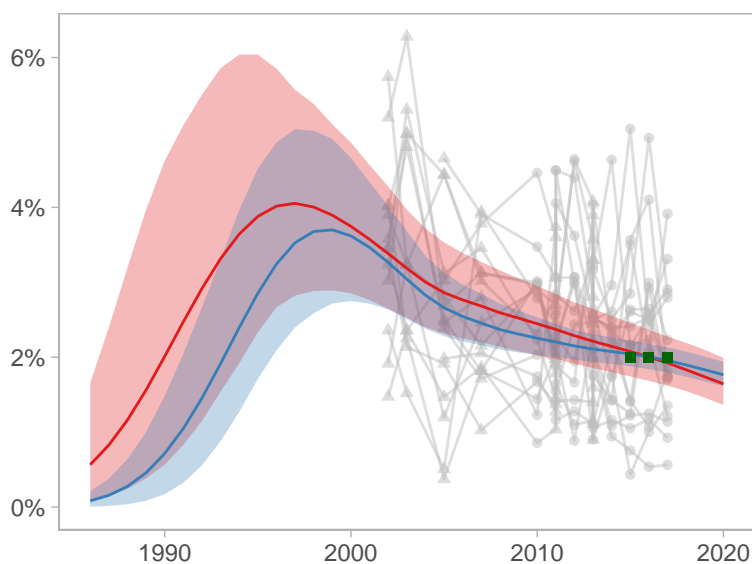
Model: — r-hybrid — r-spline

Rwanda – Rural

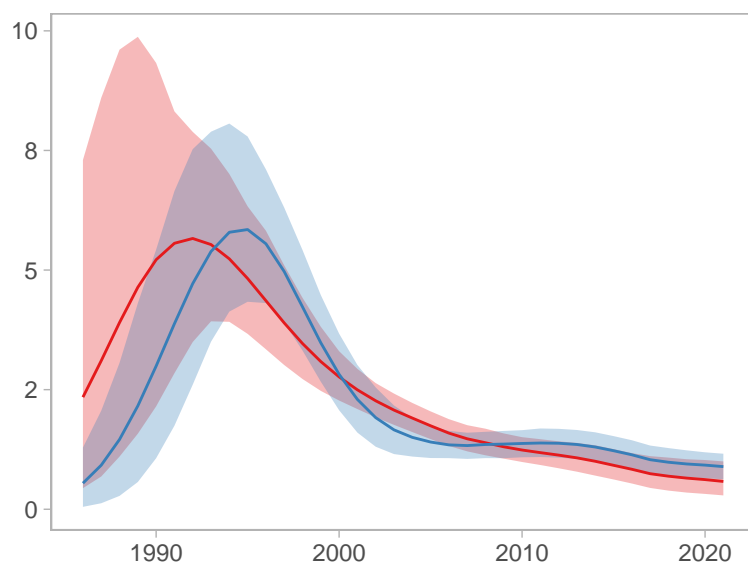
HIV prevalence



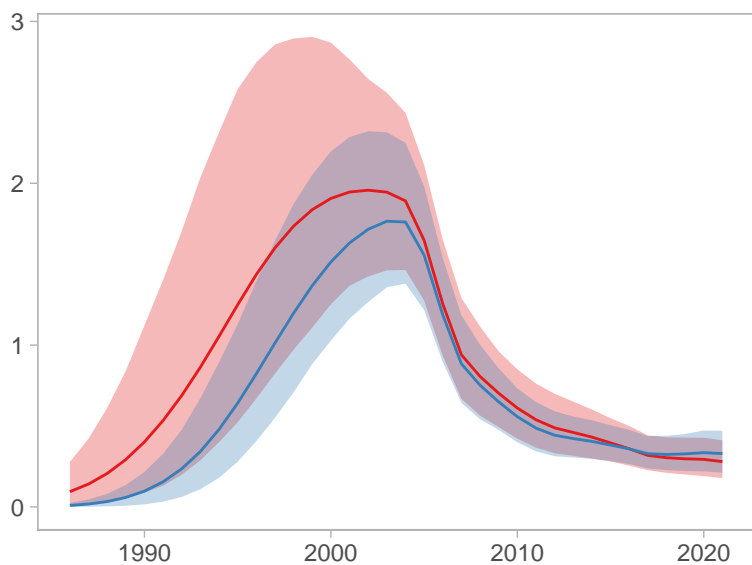
Pregnant women HIV prevalence



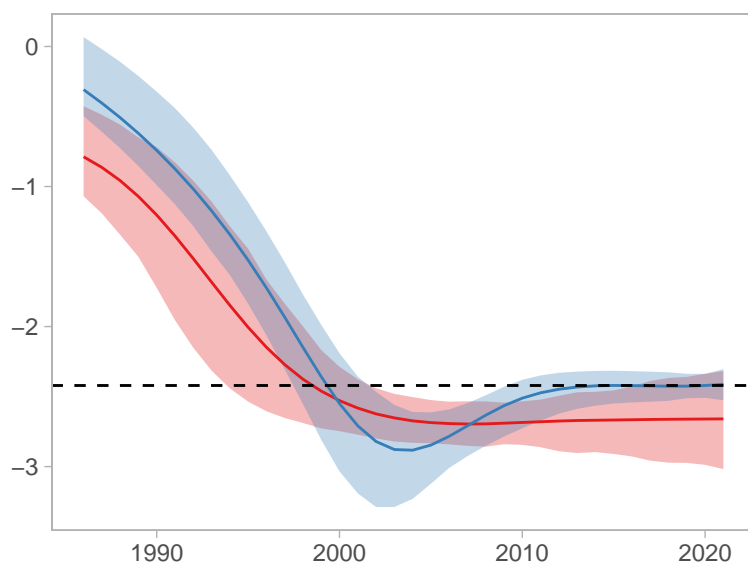
HIV incidence per 1000



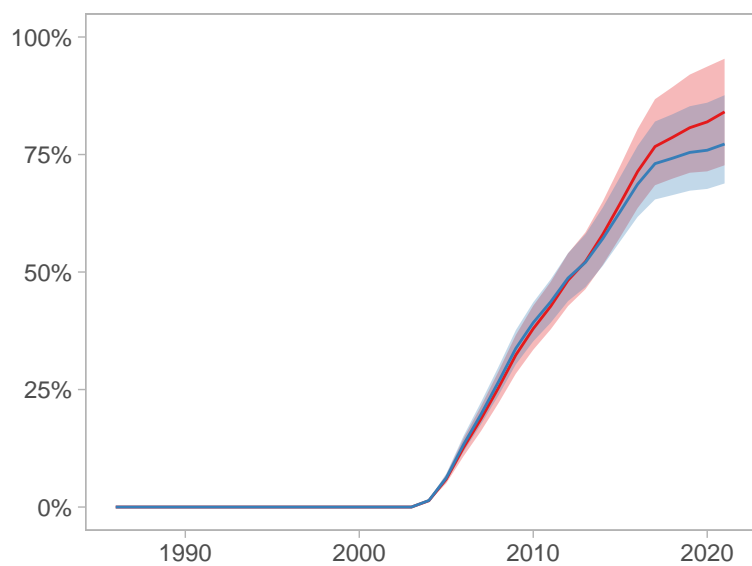
AIDS deaths per 1000 (age 15+)



log r(t)



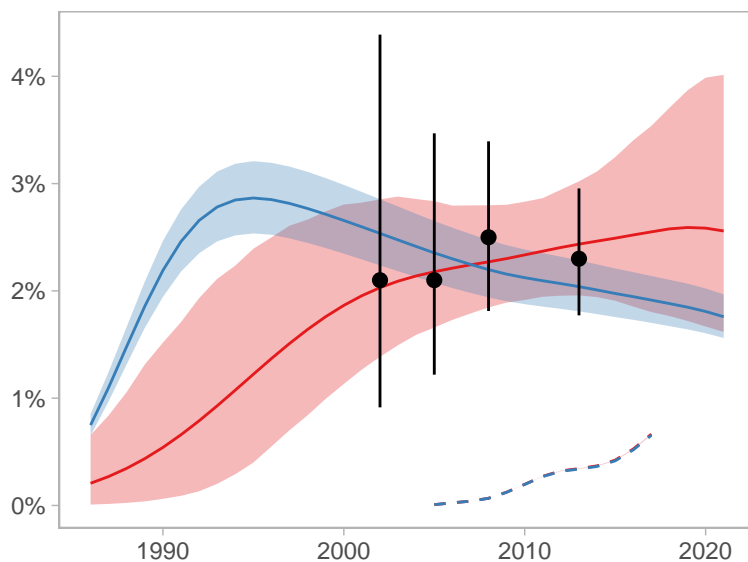
Adult (15+) ART coverage



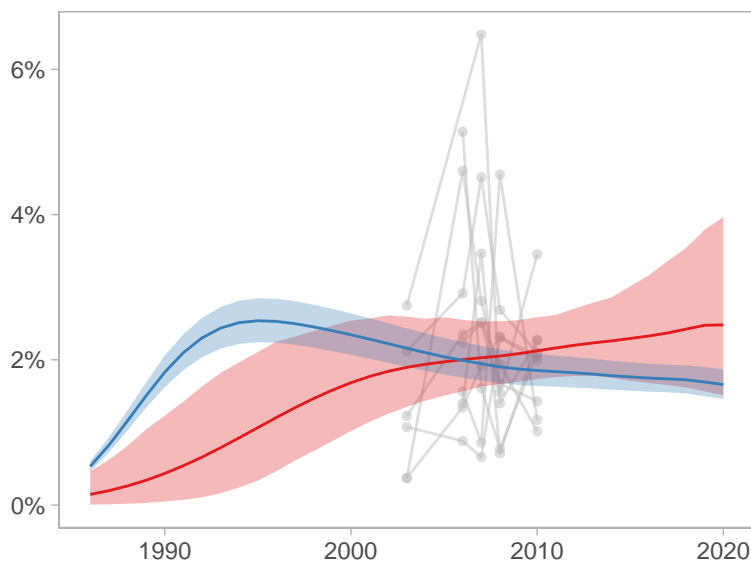
Model: — r-hybrid — r-spline

Sierra Leone – Urban

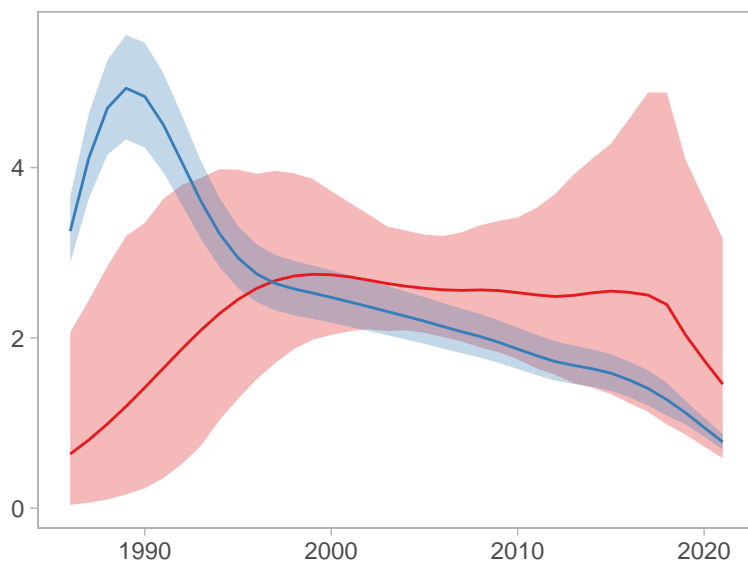
HIV prevalence



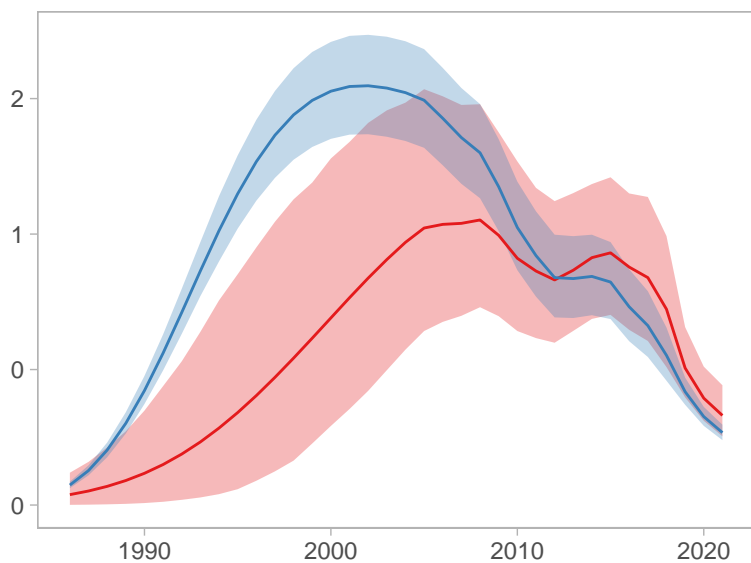
Pregnant women HIV prevalence



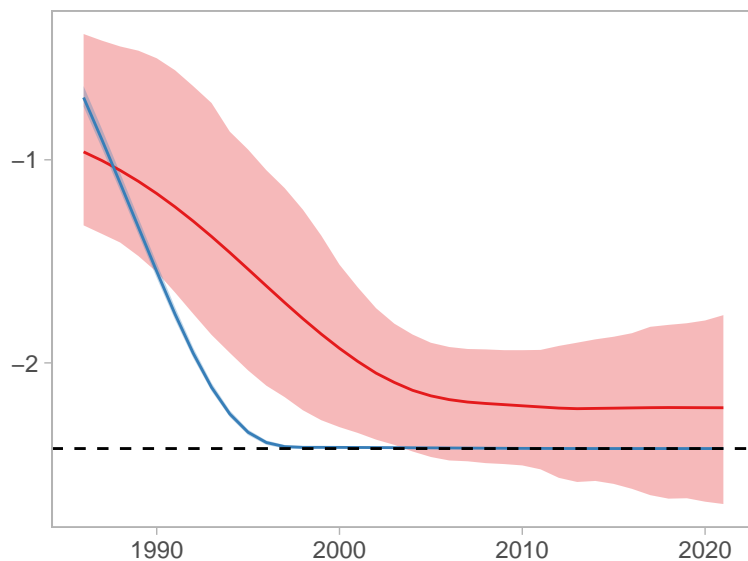
HIV incidence per 1000



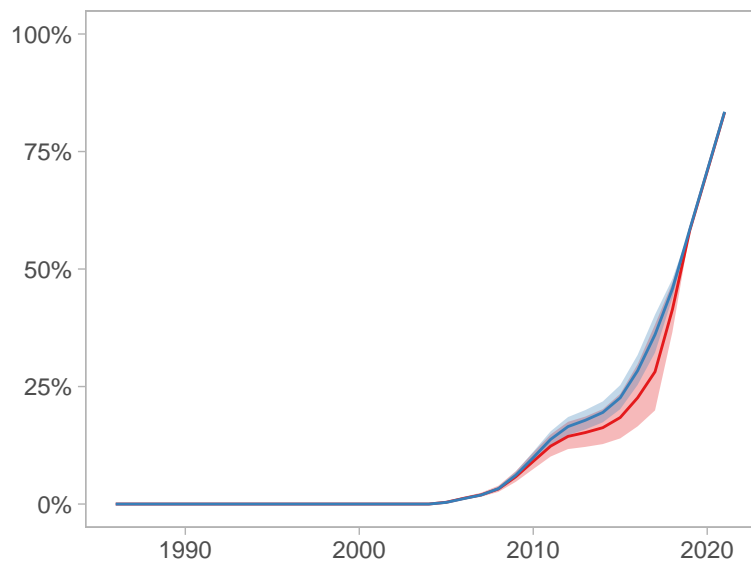
AIDS deaths per 1000 (age 15+)



log r(t)

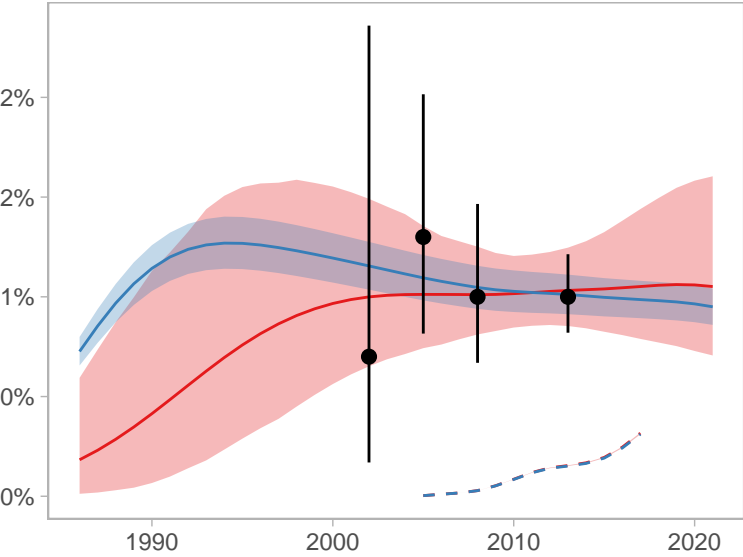


Adult (15+) ART coverage

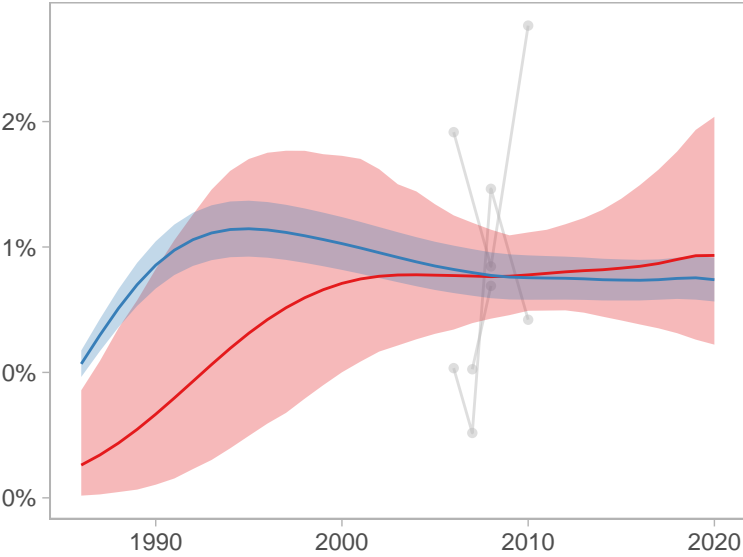


Model: — r-hybrid — r-spline

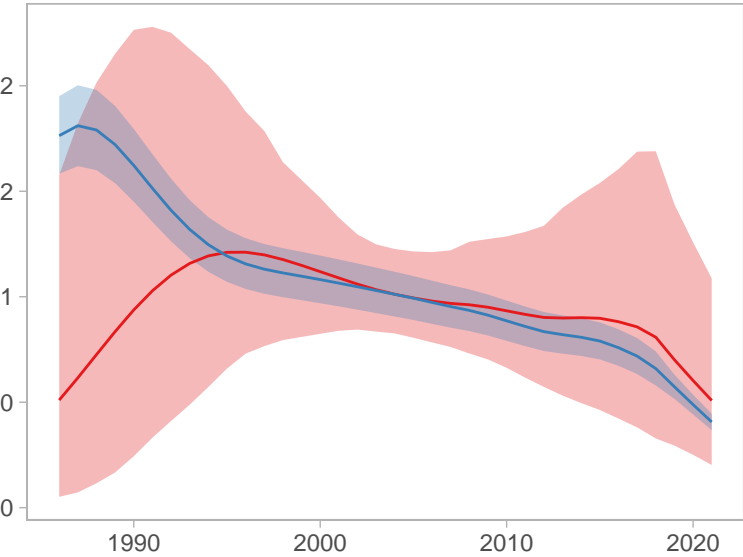
Sierra Leone – Rural
HIV prevalence



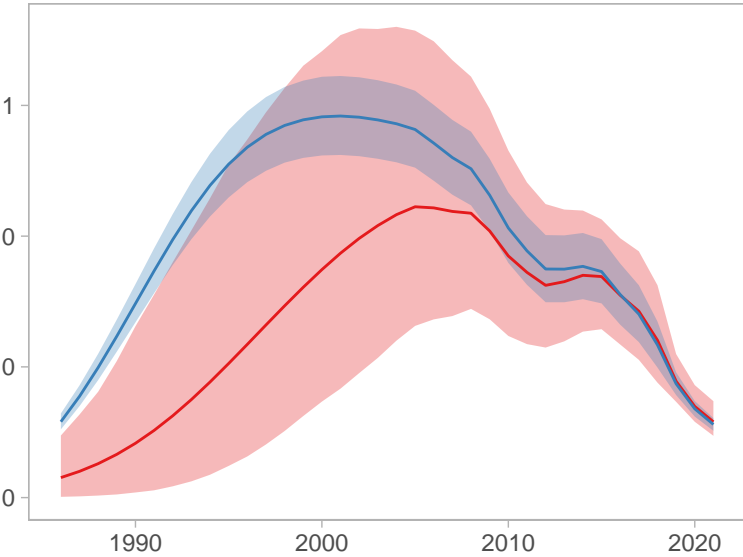
Pregnant women HIV prevalence



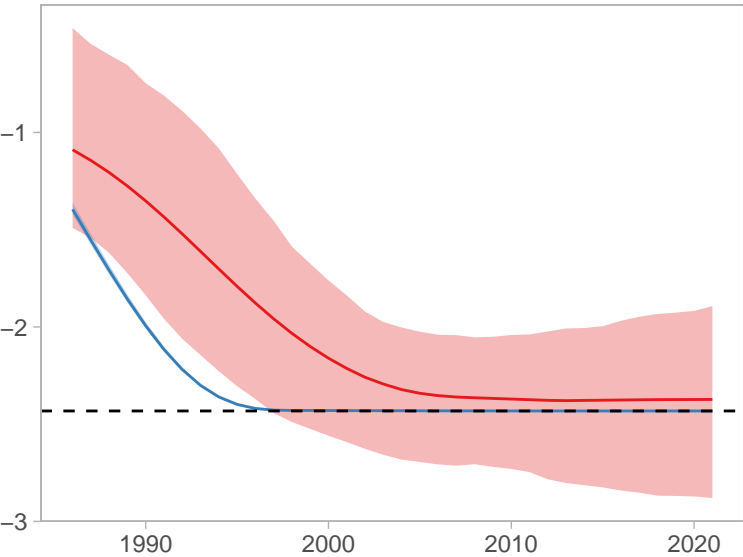
HIV incidence per 1000



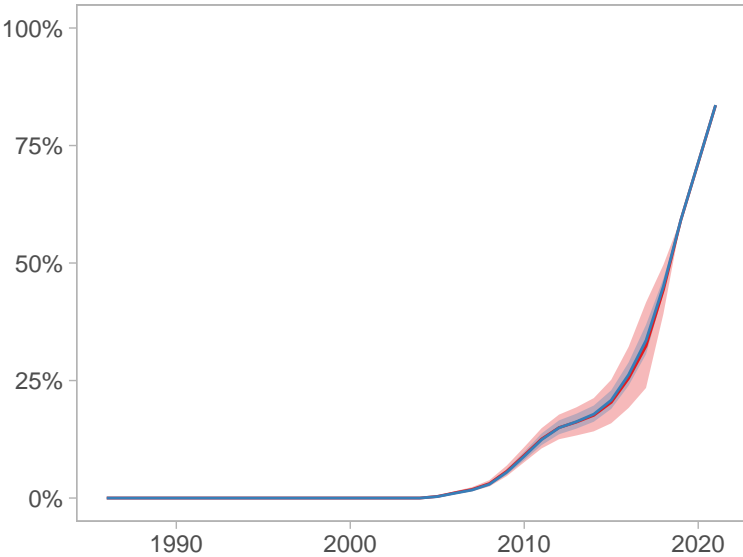
AIDS deaths per 1000 (age 15+)



log r(t)



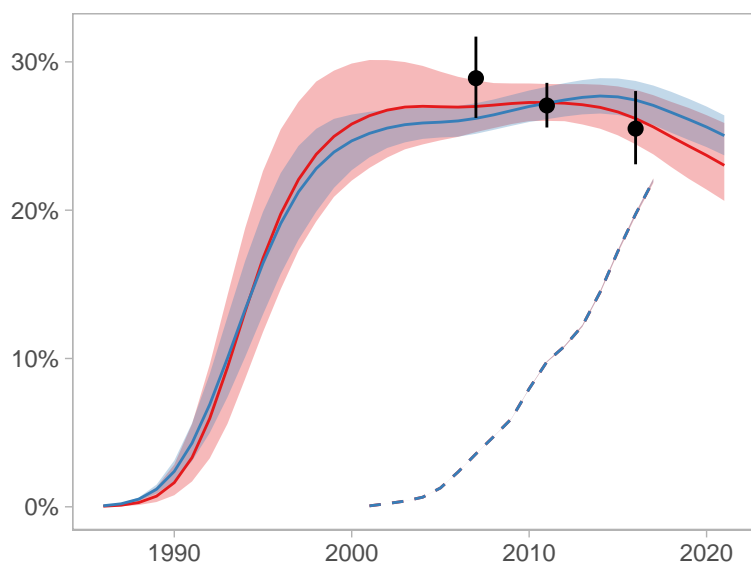
Adult (15+) ART coverage



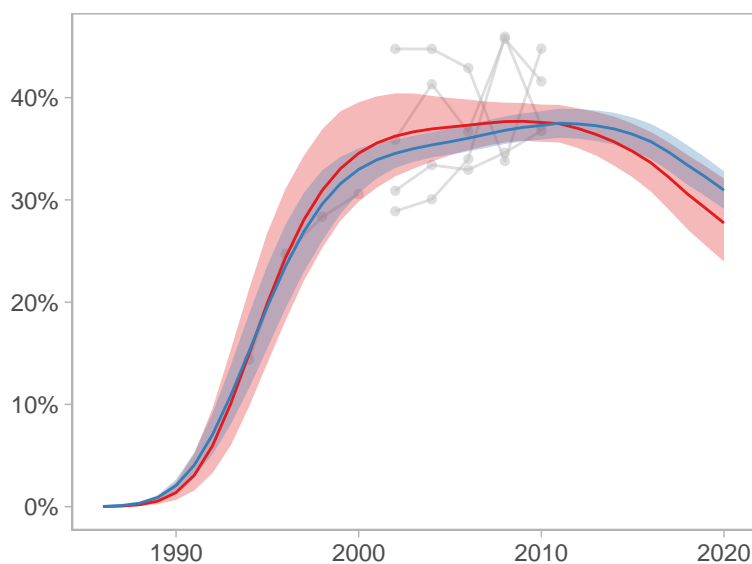
Model: r-hybrid r-spline

Swaziland – Hhohho Region

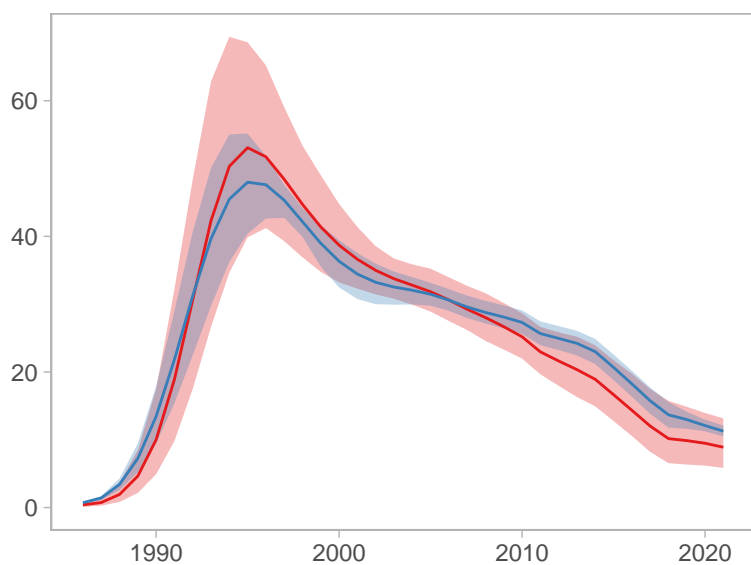
HIV prevalence



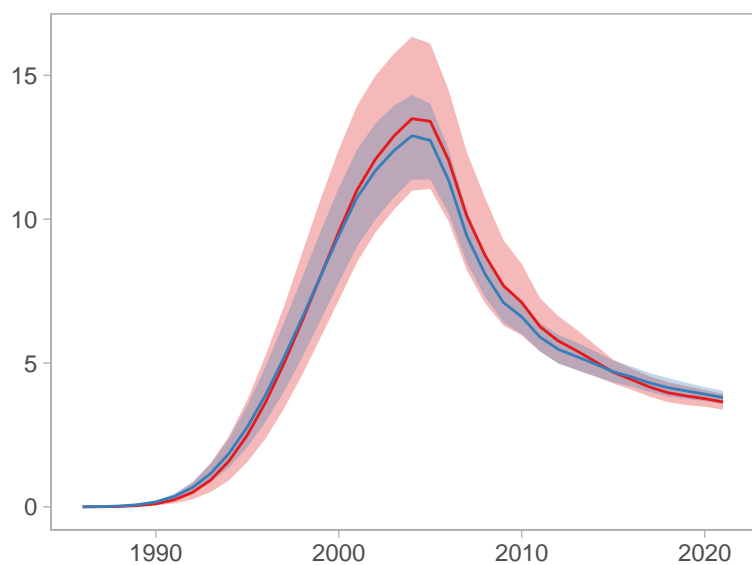
Pregnant women HIV prevalence



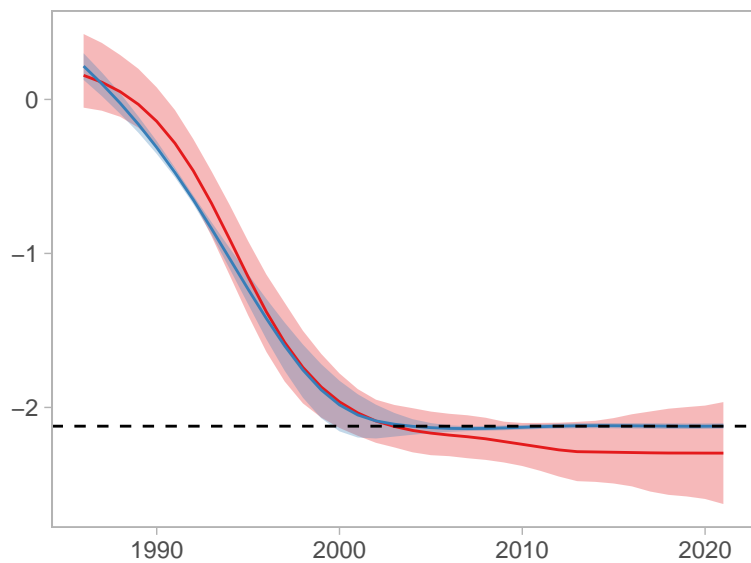
HIV incidence per 1000



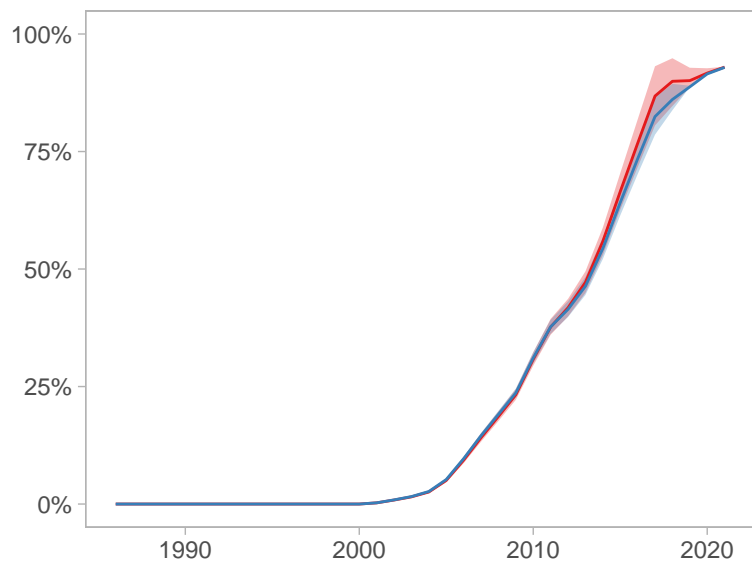
AIDS deaths per 1000 (age 15+)



log r(t)



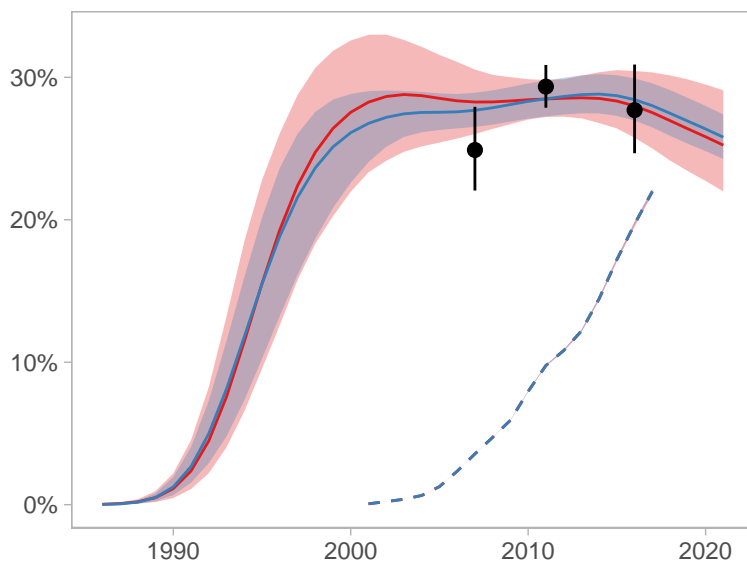
Adult (15+) ART coverage



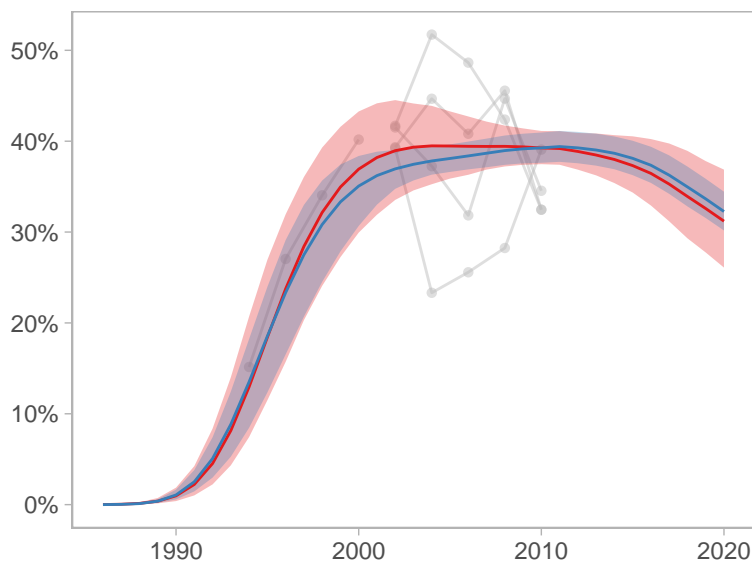
Model: — r-hybrid — r-spline

Swaziland – Manzini Region

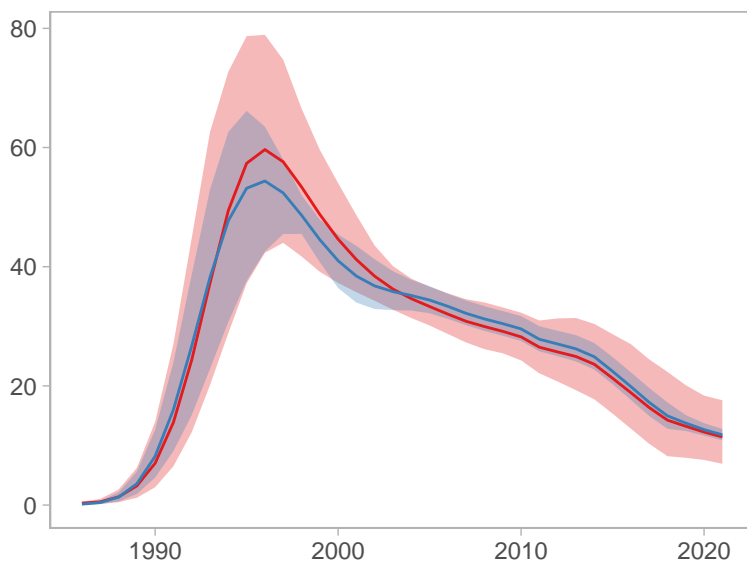
HIV prevalence



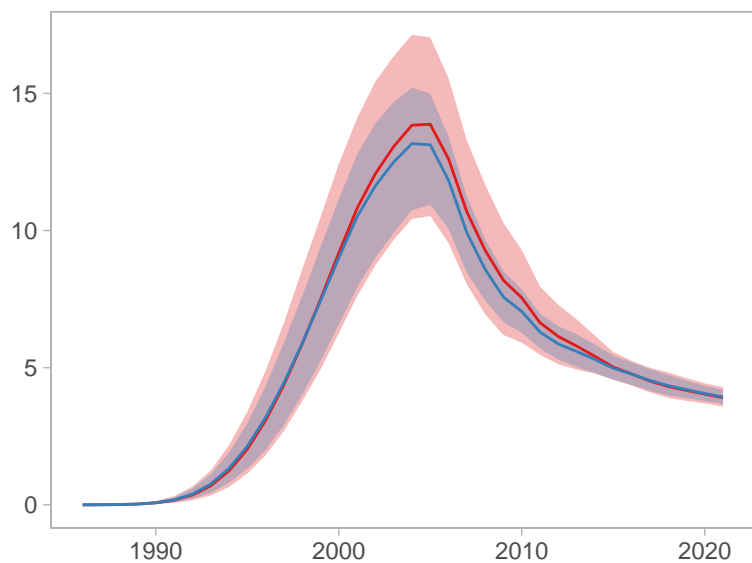
Pregnant women HIV prevalence



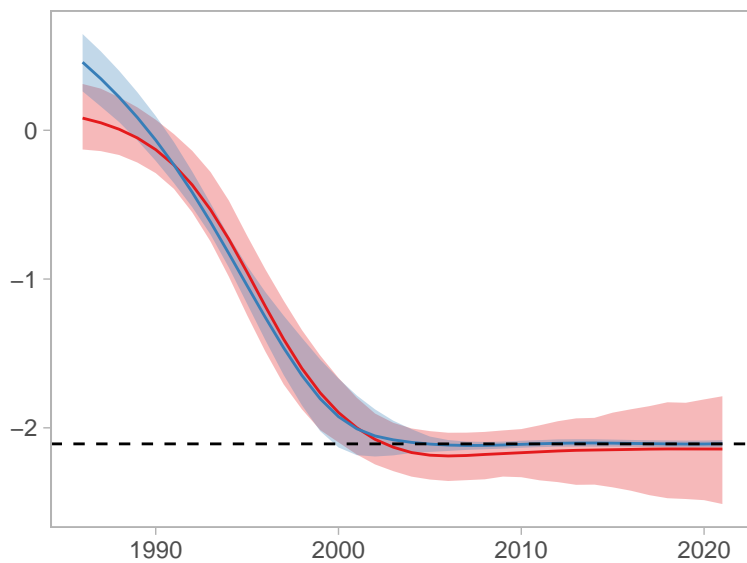
HIV incidence per 1000



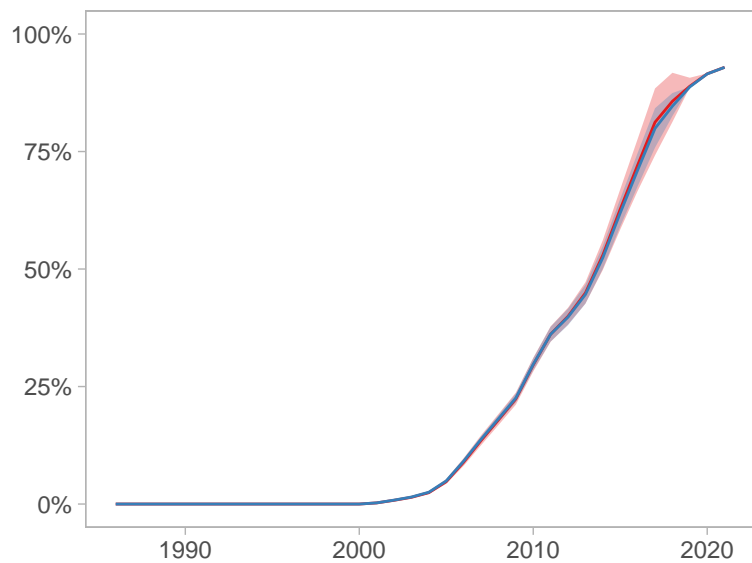
AIDS deaths per 1000 (age 15+)



log r(t)



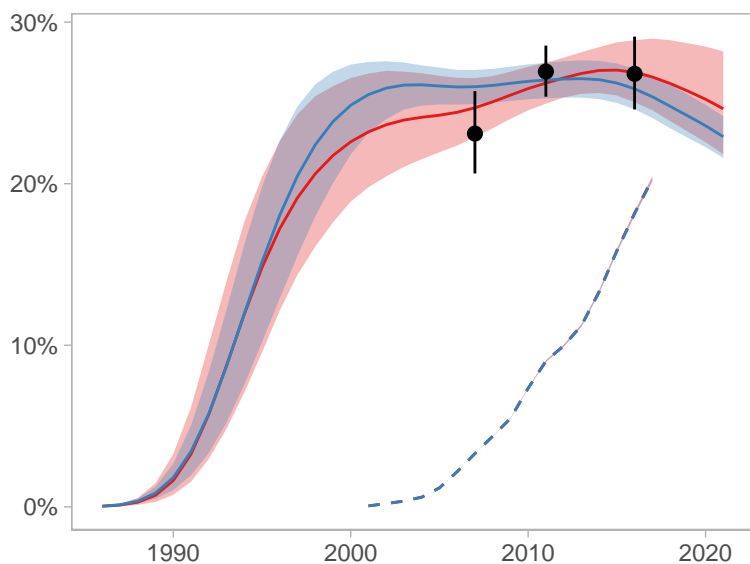
Adult (15+) ART coverage



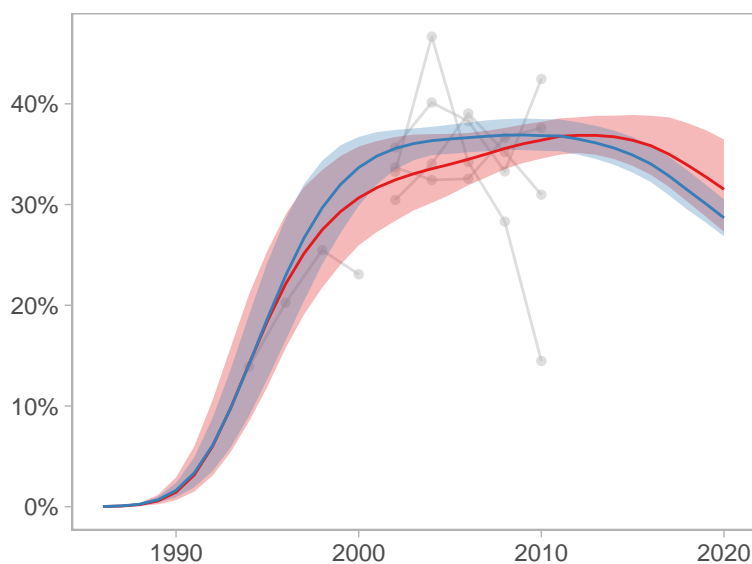
Model: — r-hybrid — r-spline

Swaziland – Shiselweni Region

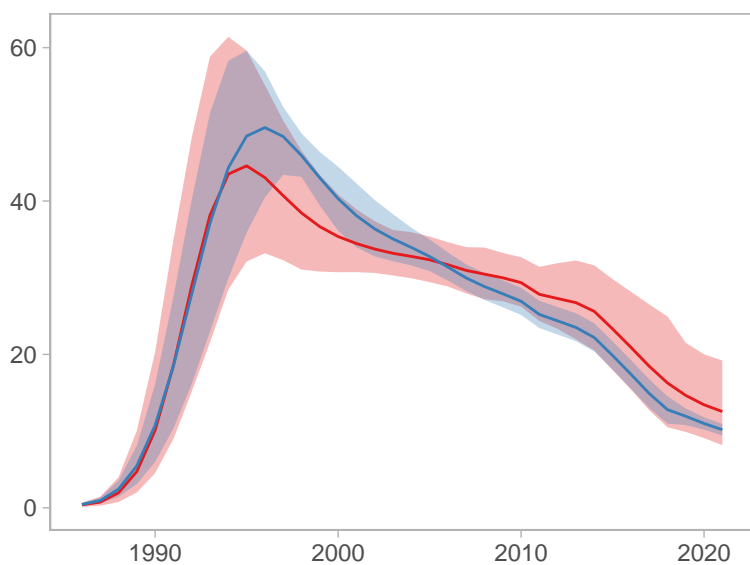
HIV prevalence



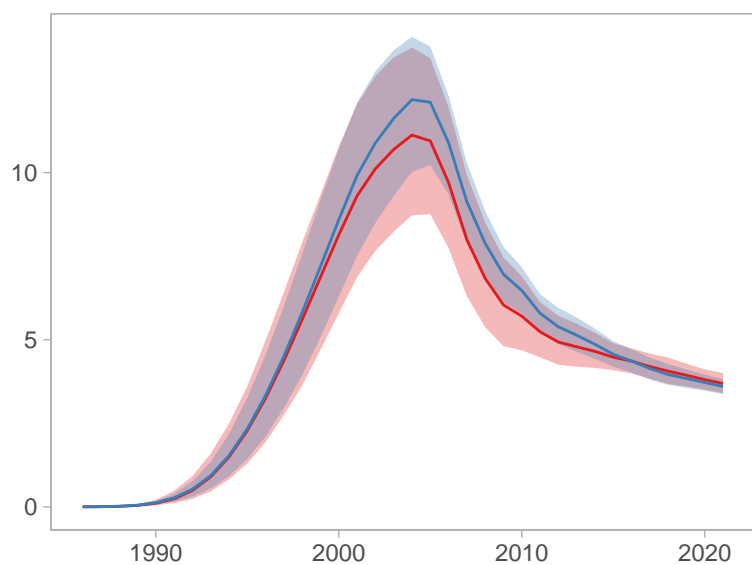
Pregnant women HIV prevalence



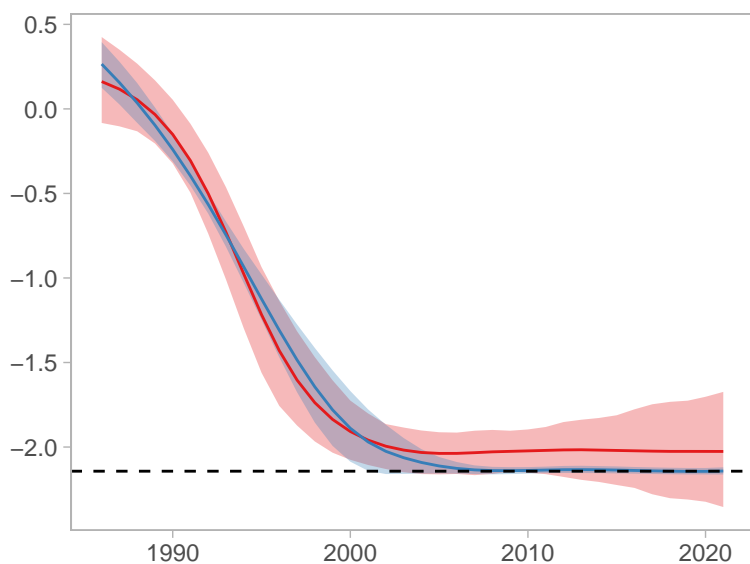
HIV incidence per 1000



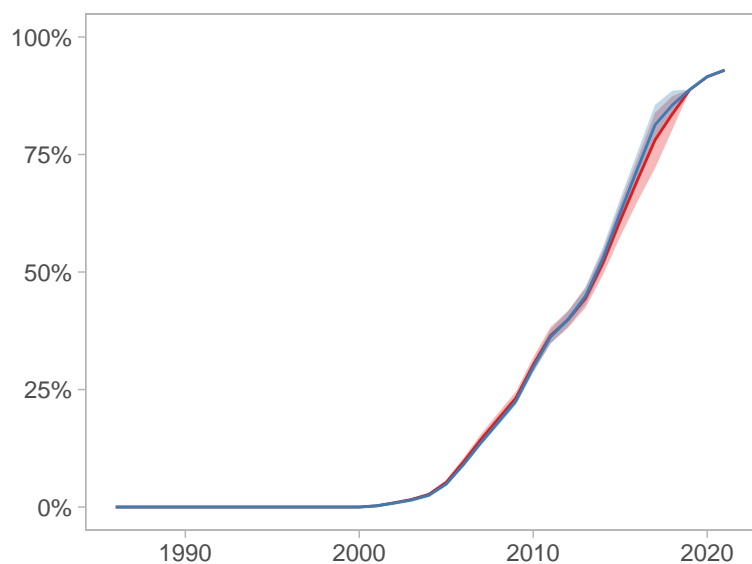
AIDS deaths per 1000 (age 15+)



log r(t)



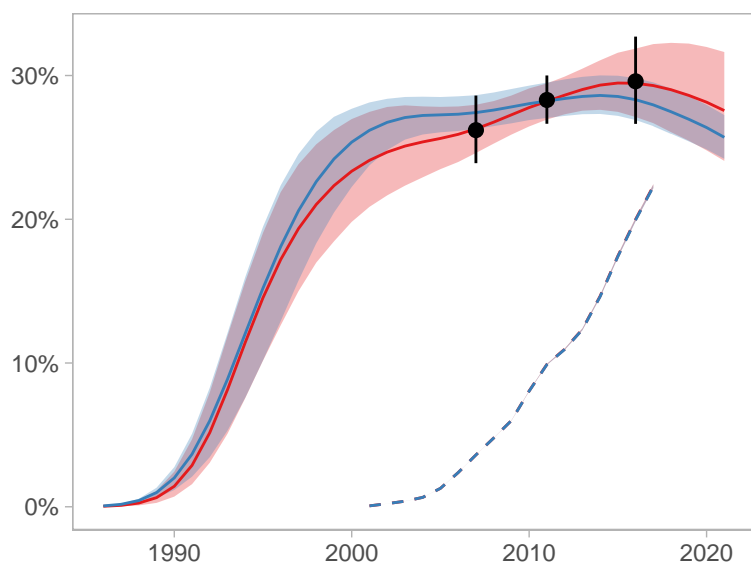
Adult (15+) ART coverage



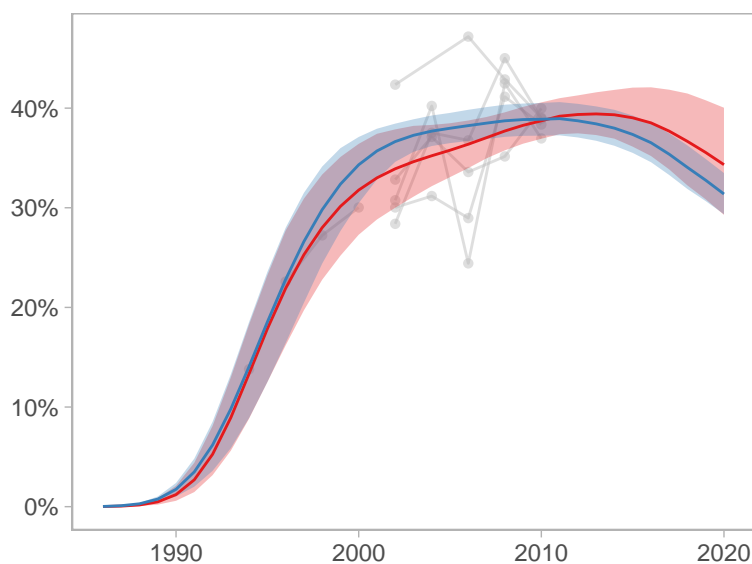
Model: — r-hybrid — r-spline

Swaziland – Lubombo Region

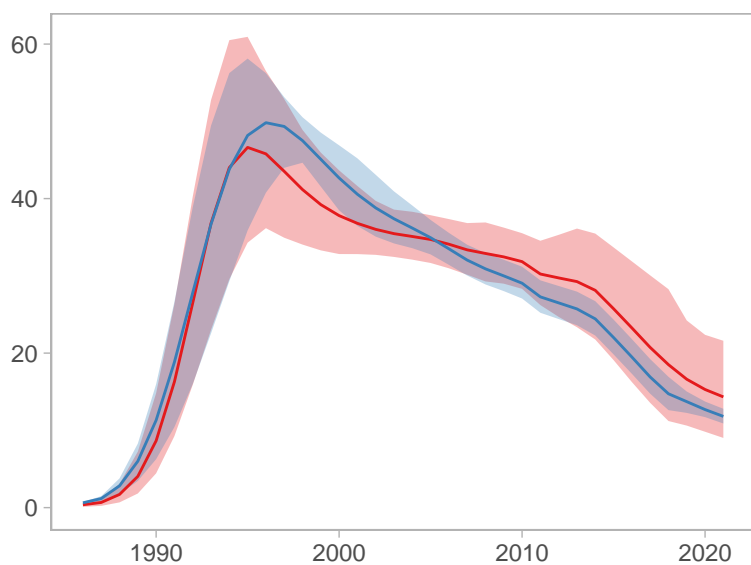
HIV prevalence



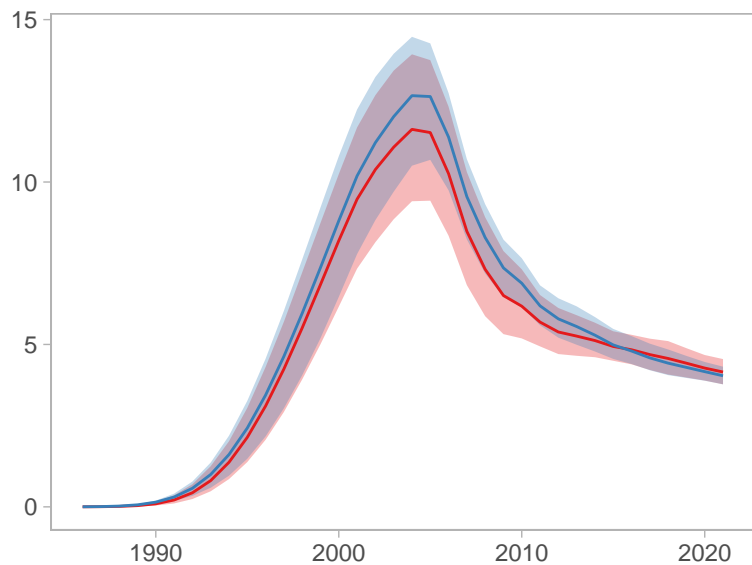
Pregnant women HIV prevalence



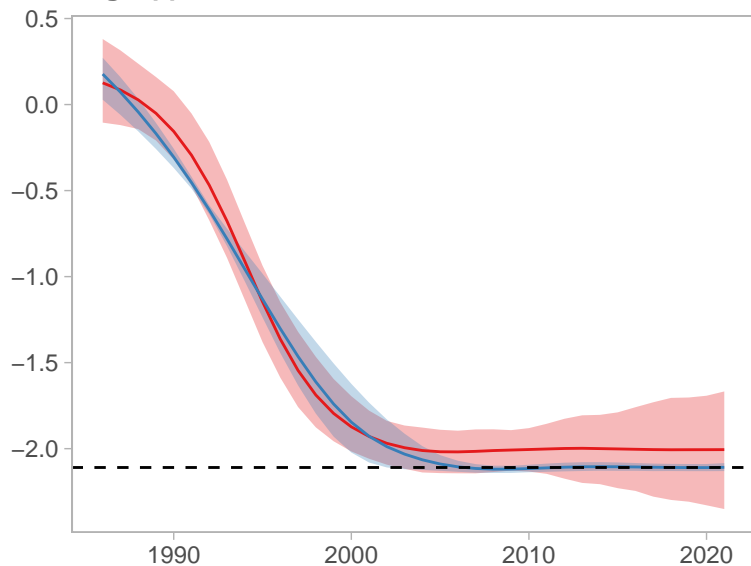
HIV incidence per 1000



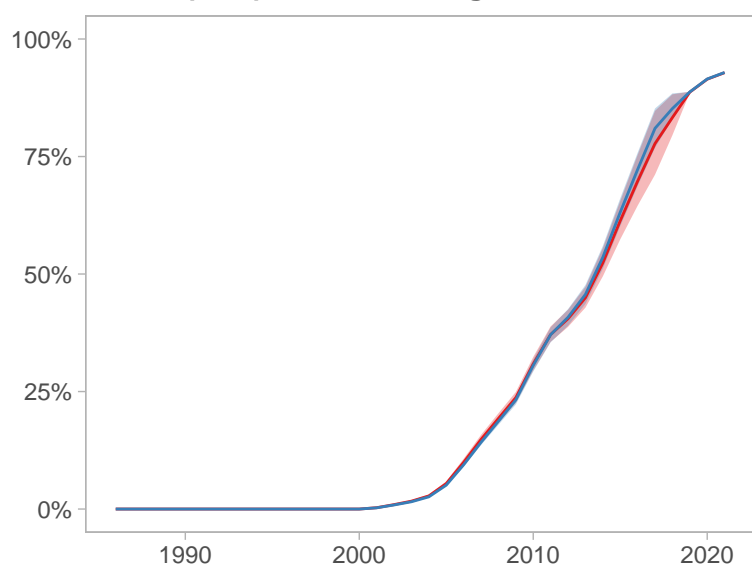
AIDS deaths per 1000 (age 15+)



log r(t)



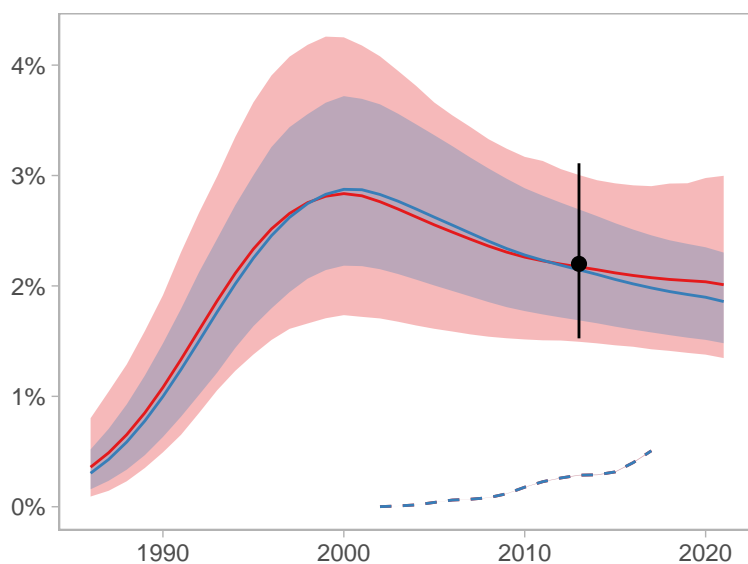
Adult (15+) ART coverage



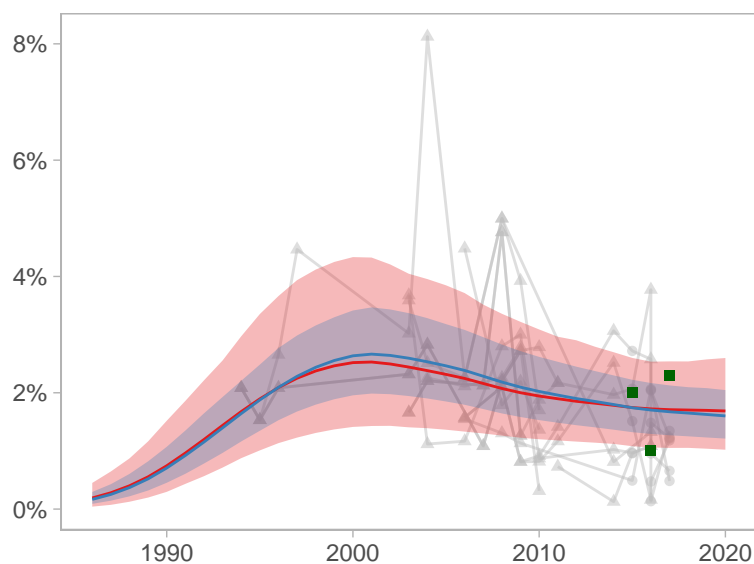
Model: — r-hybrid — r-spline

Togo – Centrale

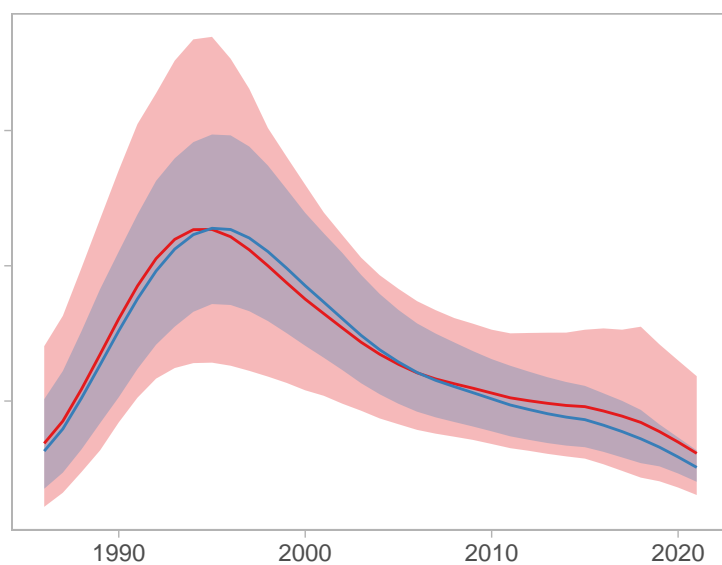
HIV prevalence



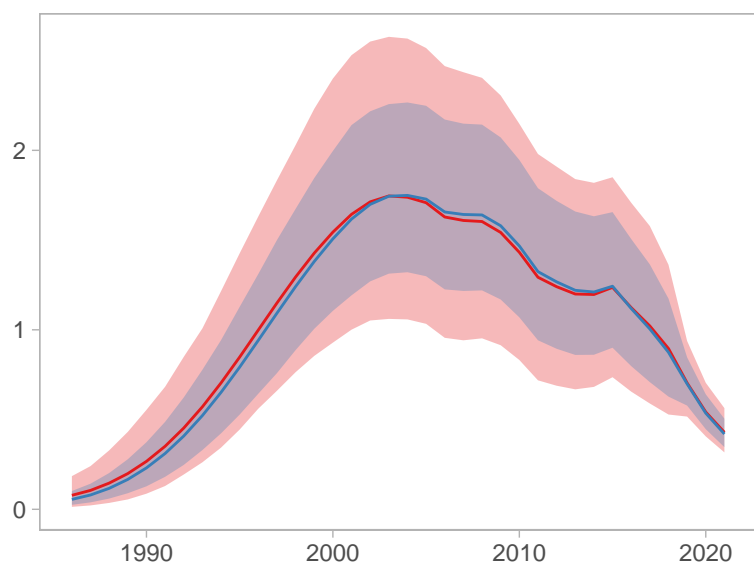
Pregnant women HIV prevalence



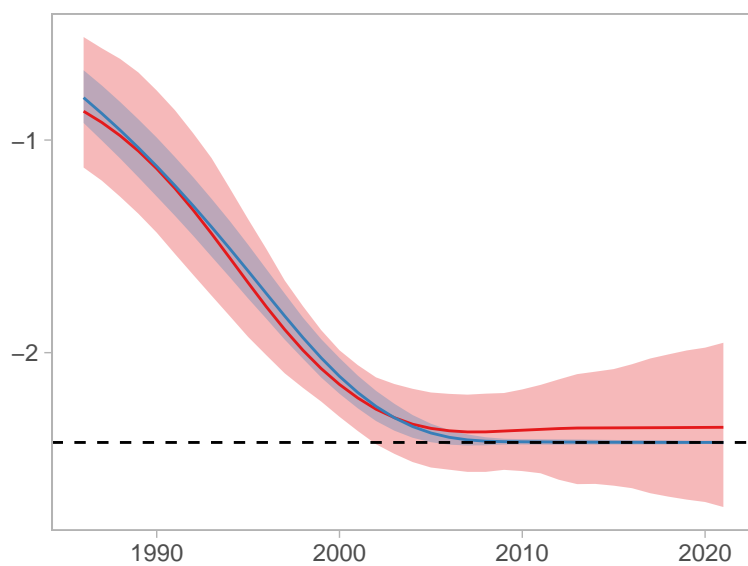
HIV incidence per 1000



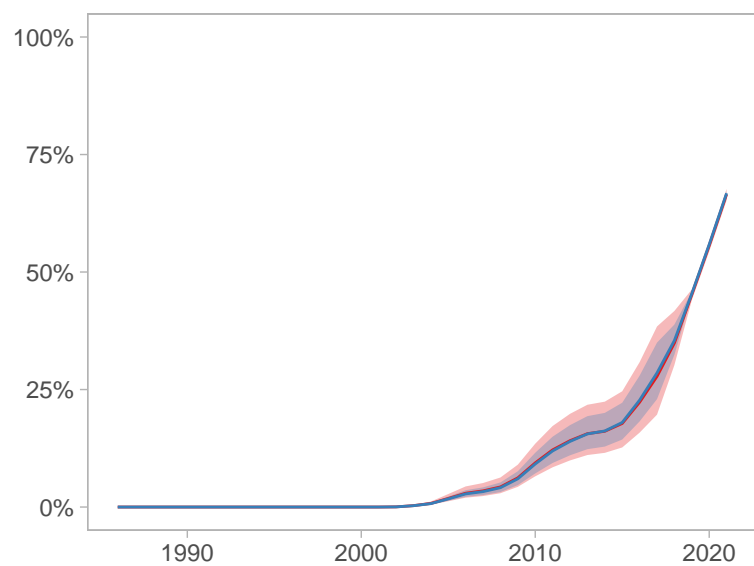
AIDS deaths per 1000 (age 15+)



log r(t)



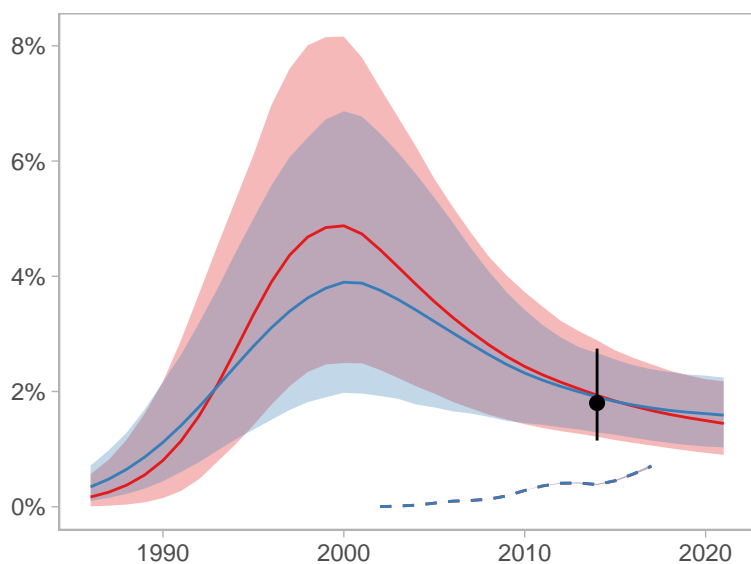
Adult (15+) ART coverage



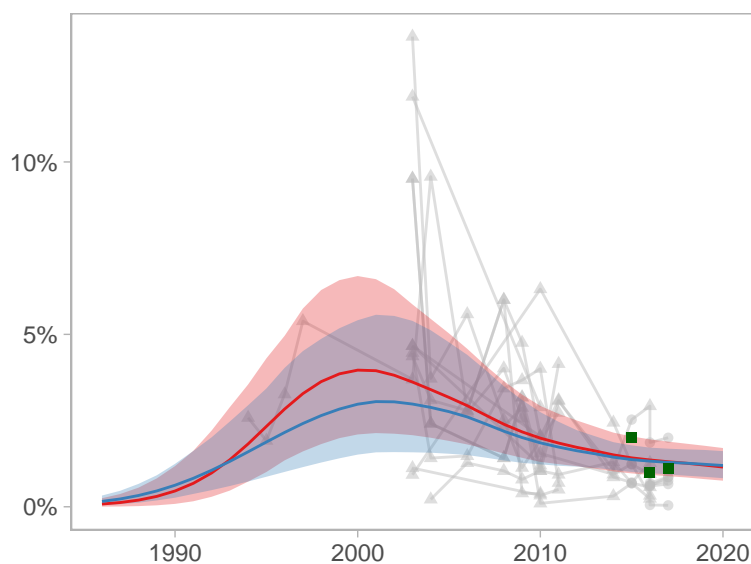
Model: ■ r-hybrid ■ r-spline

Togo – Kara

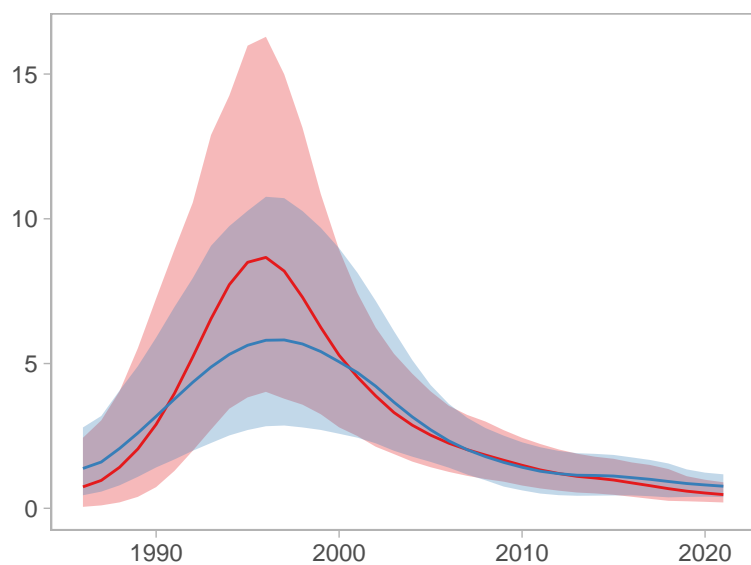
HIV prevalence



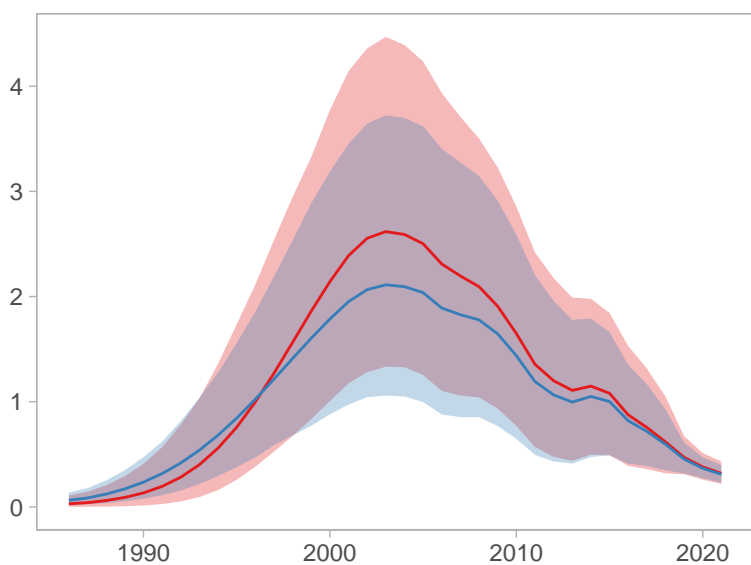
Pregnant women HIV prevalence



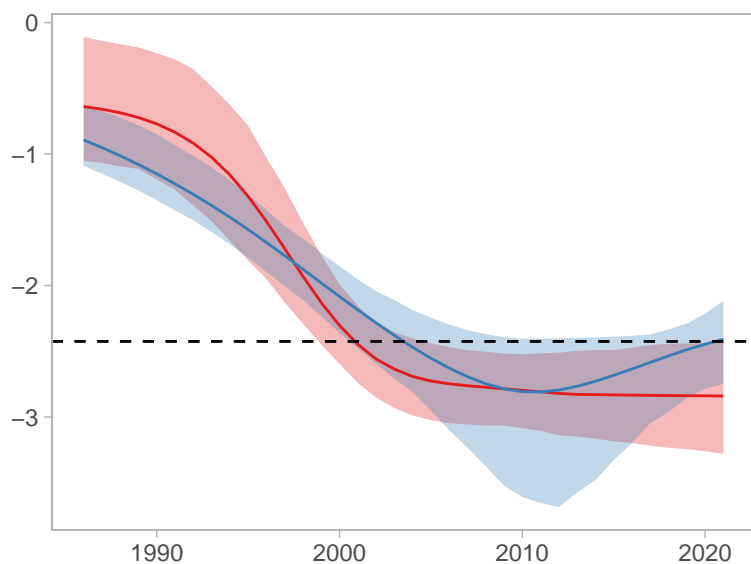
HIV incidence per 1000



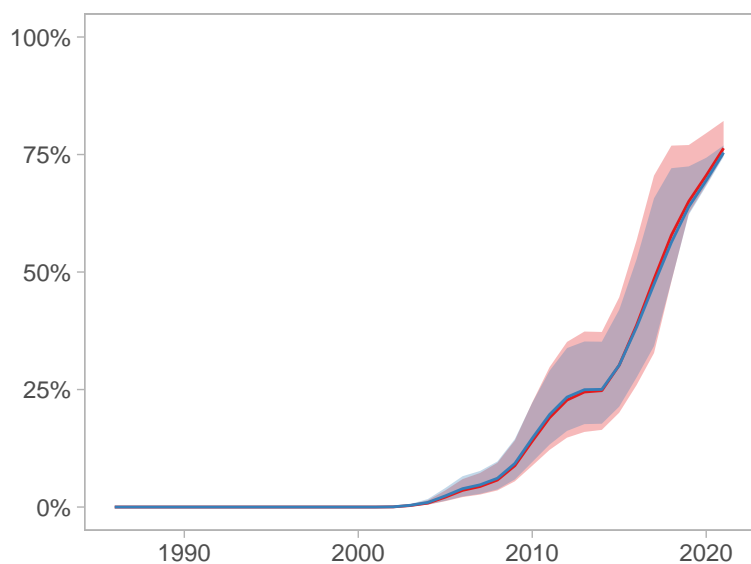
AIDS deaths per 1000 (age 15+)



log r(t)



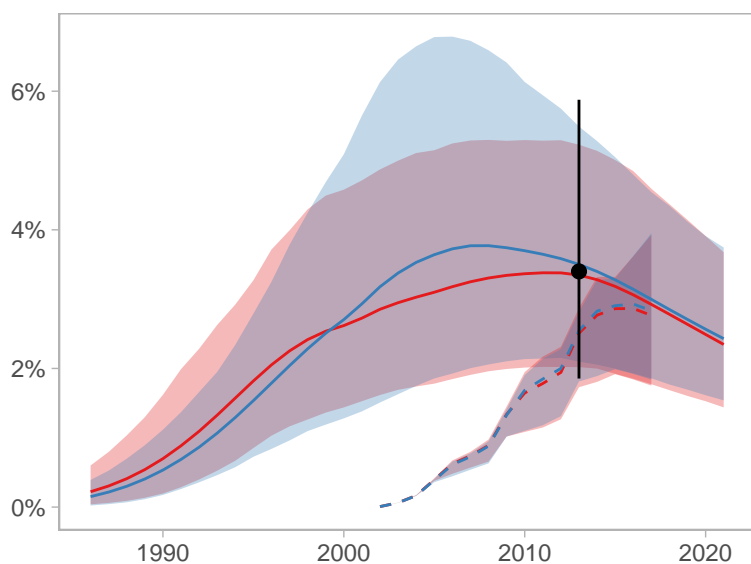
Adult (15+) ART coverage



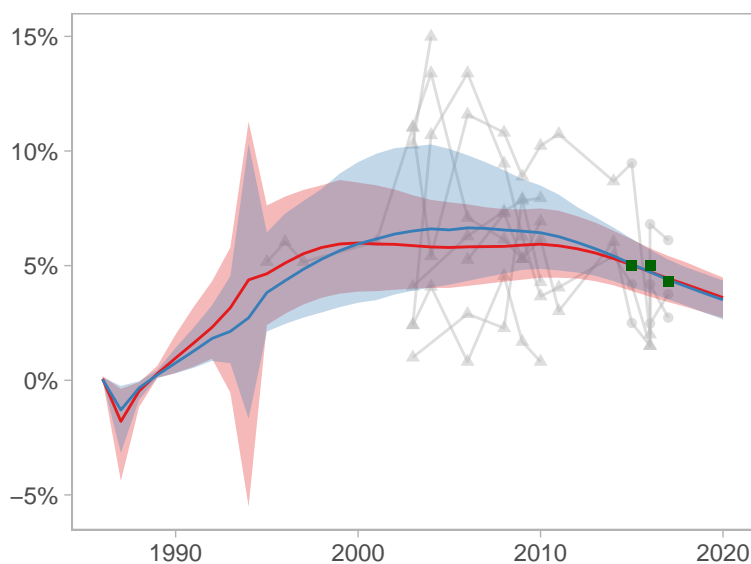
Model: — r-hybrid — r-spline

Togo – Lome

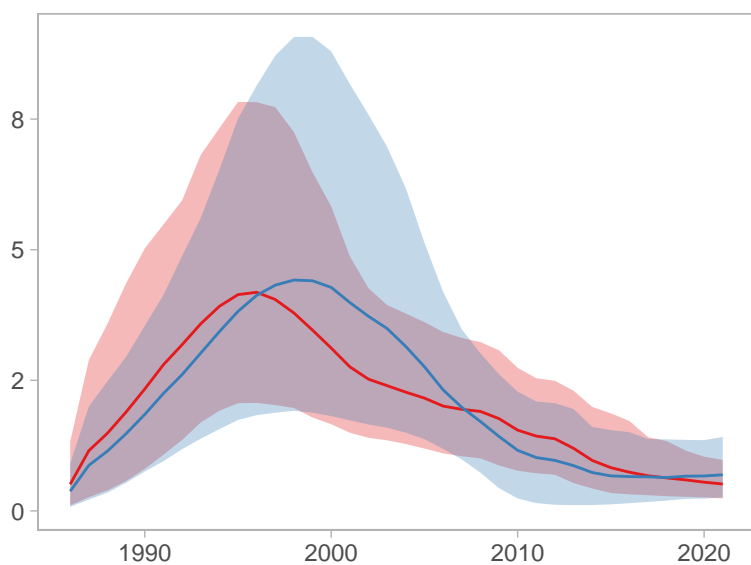
HIV prevalence



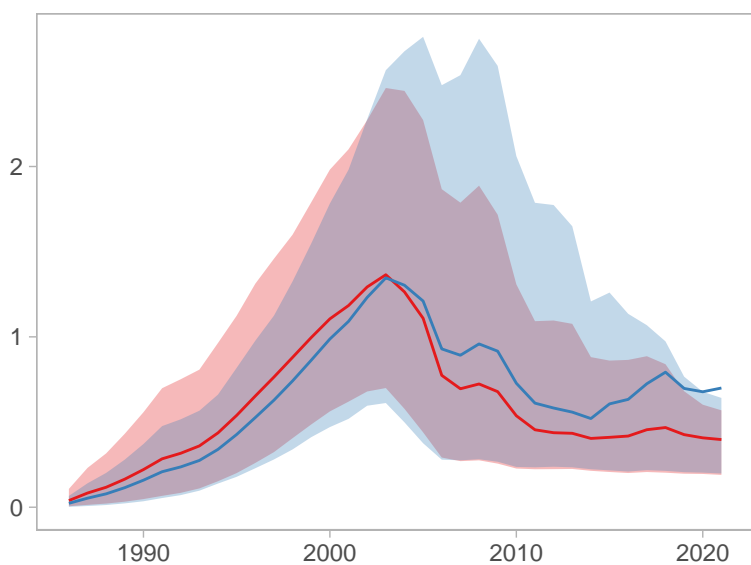
Pregnant women HIV prevalence



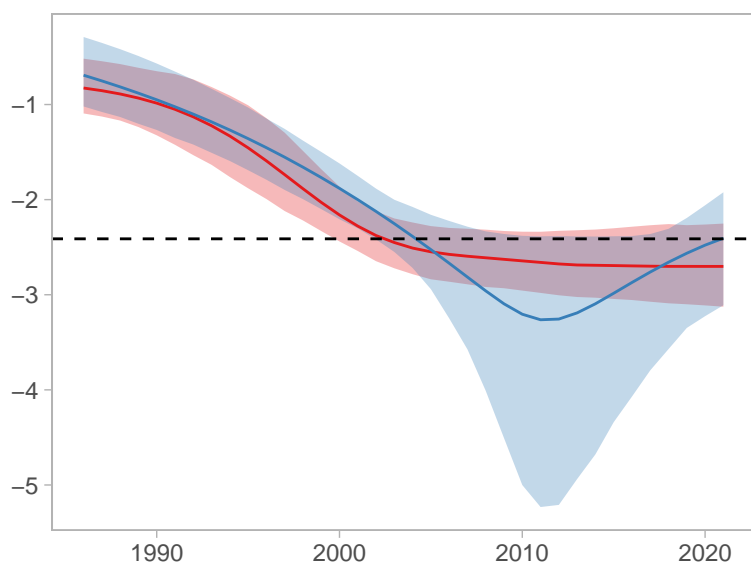
HIV incidence per 1000



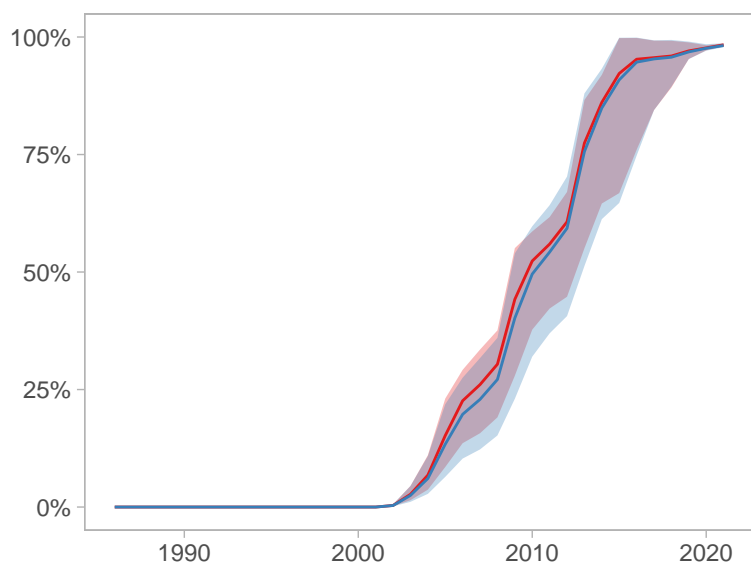
AIDS deaths per 1000 (age 15+)



log r(t)



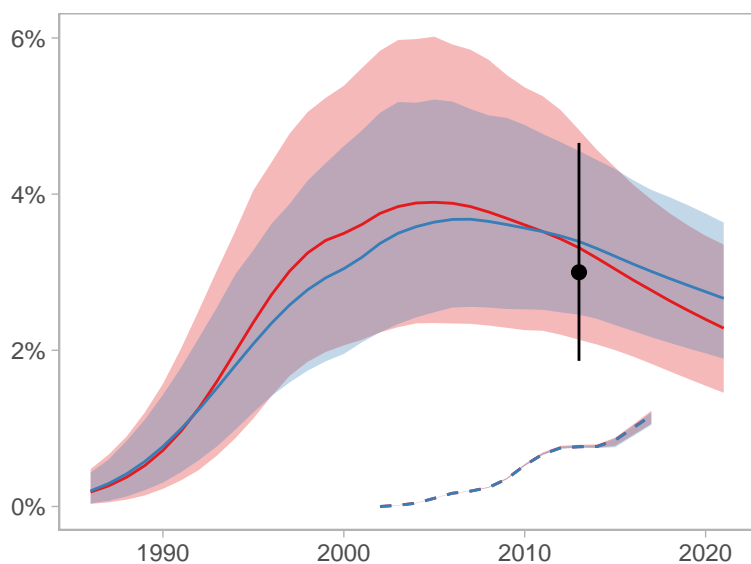
Adult (15+) ART coverage



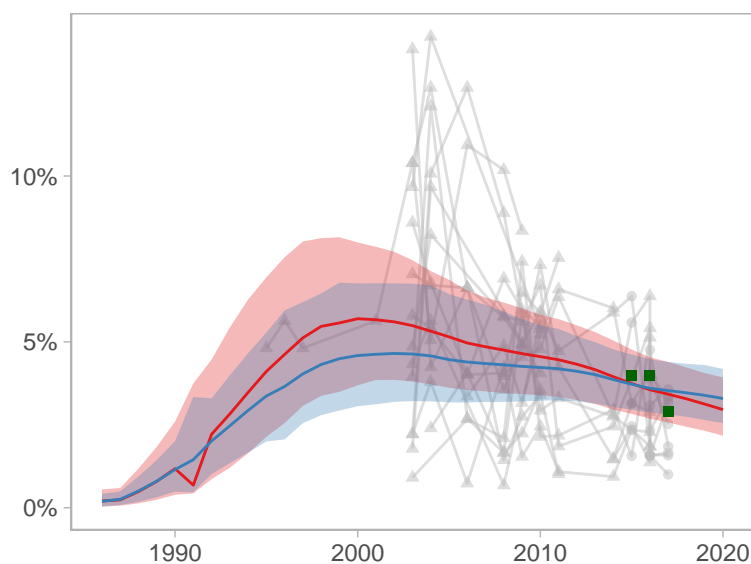
Model: — r-hybrid — r-spline

Togo – Maritime sans Lome

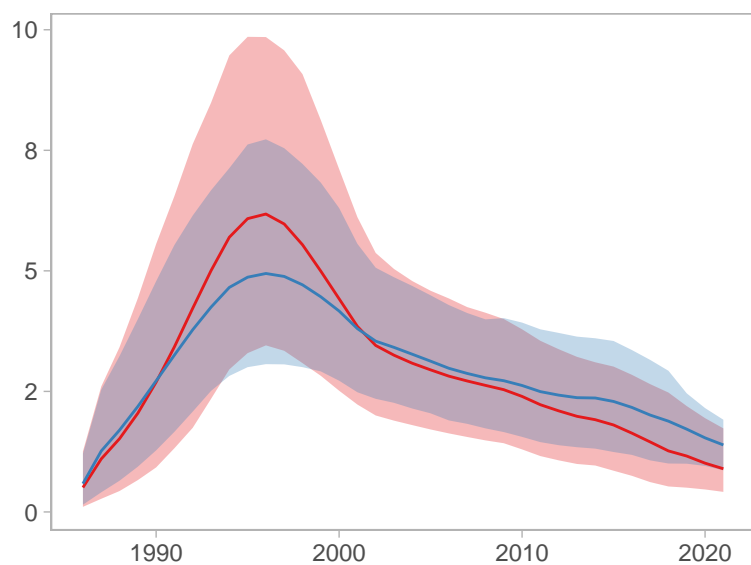
HIV prevalence



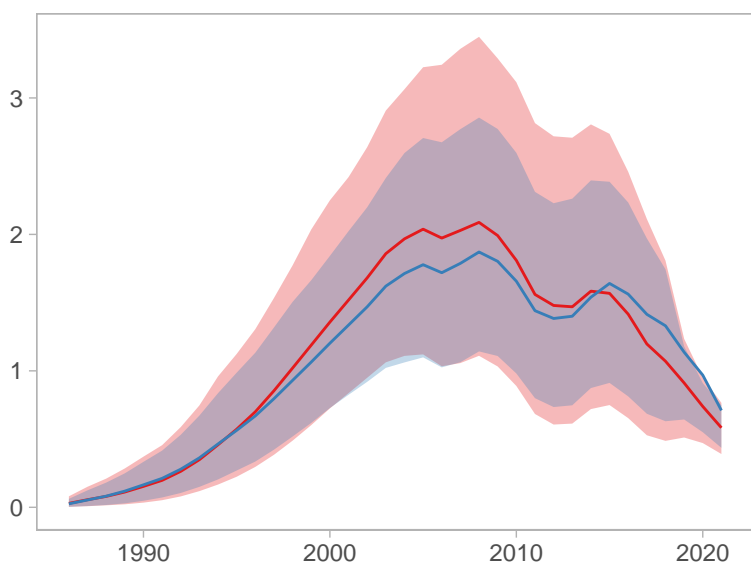
Pregnant women HIV prevalence



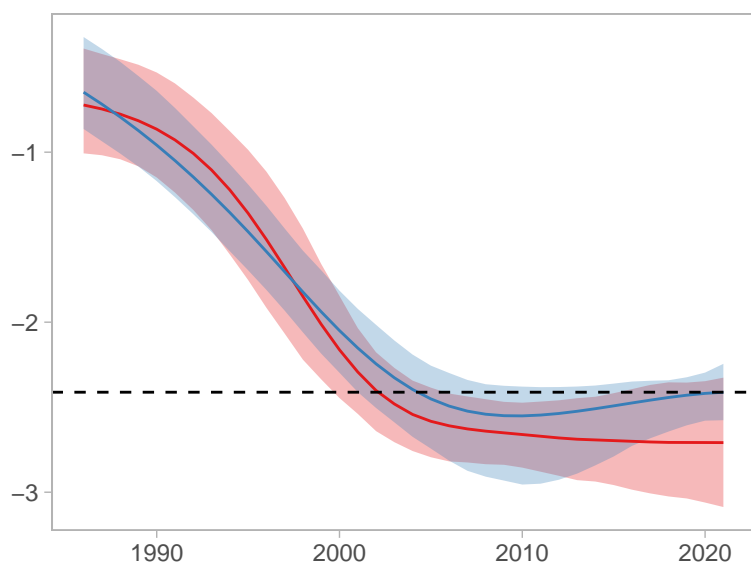
HIV incidence per 1000



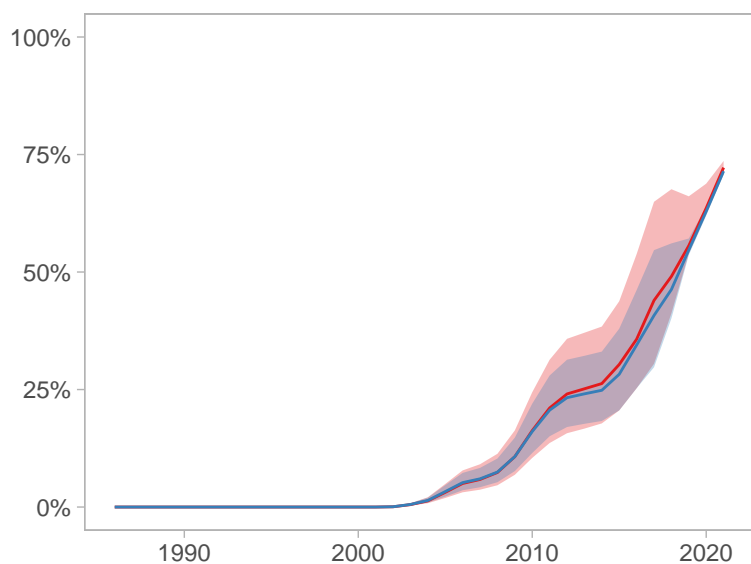
AIDS deaths per 1000 (age 15+)



log r(t)



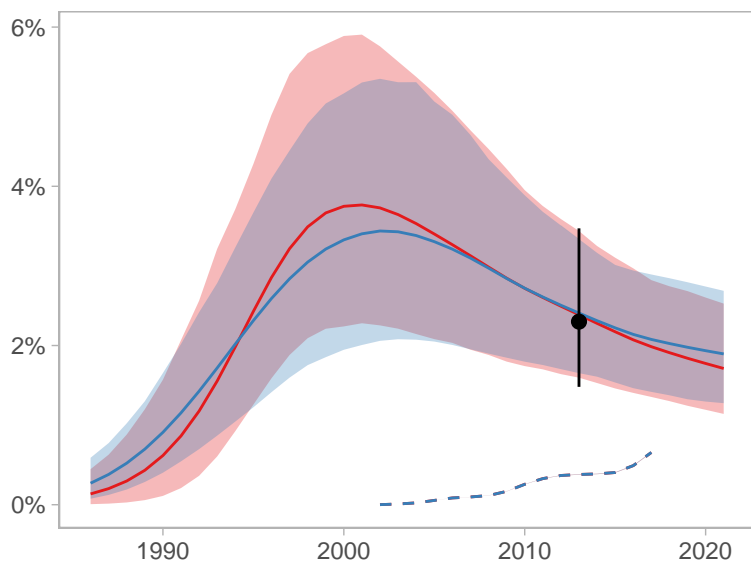
Adult (15+) ART coverage



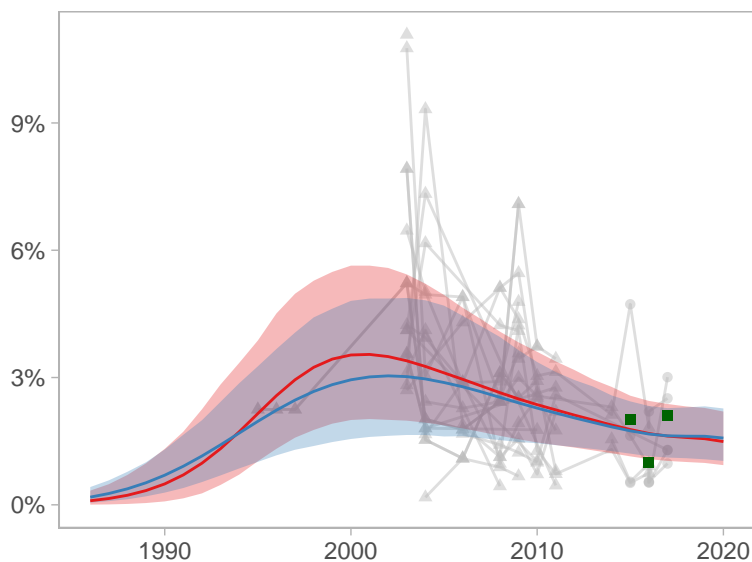
Model: — r-hybrid — r-spline

Togo – Plateaux

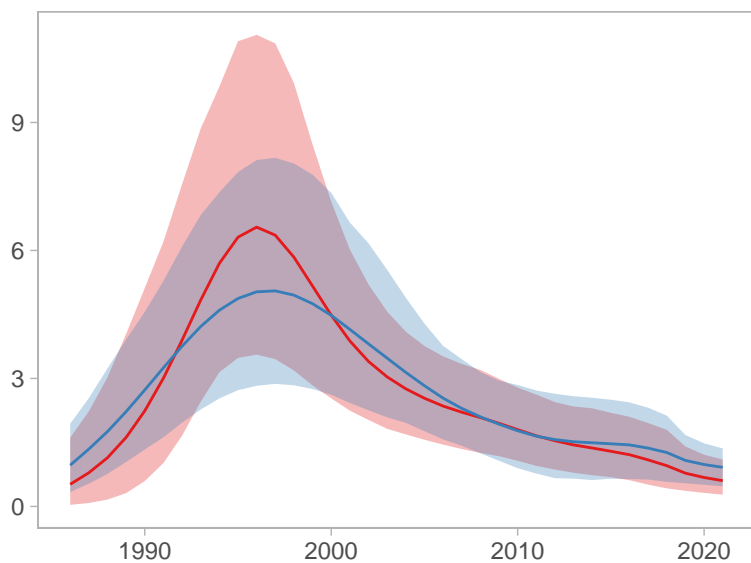
HIV prevalence



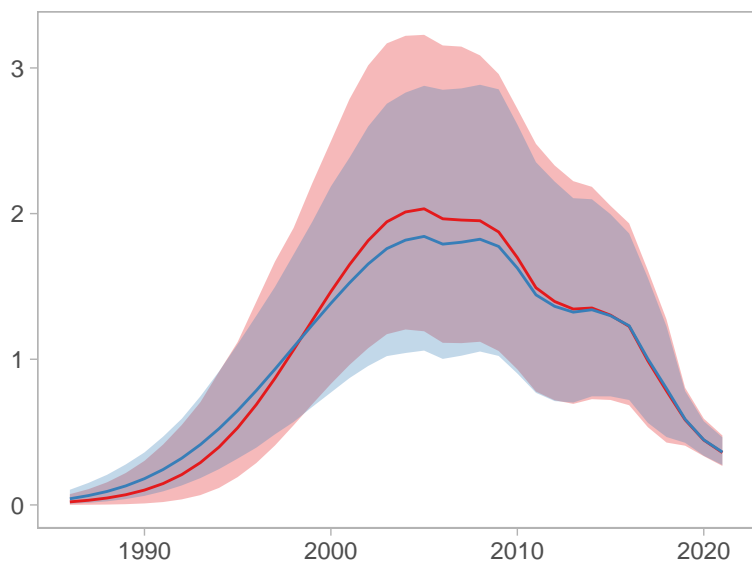
Pregnant women HIV prevalence



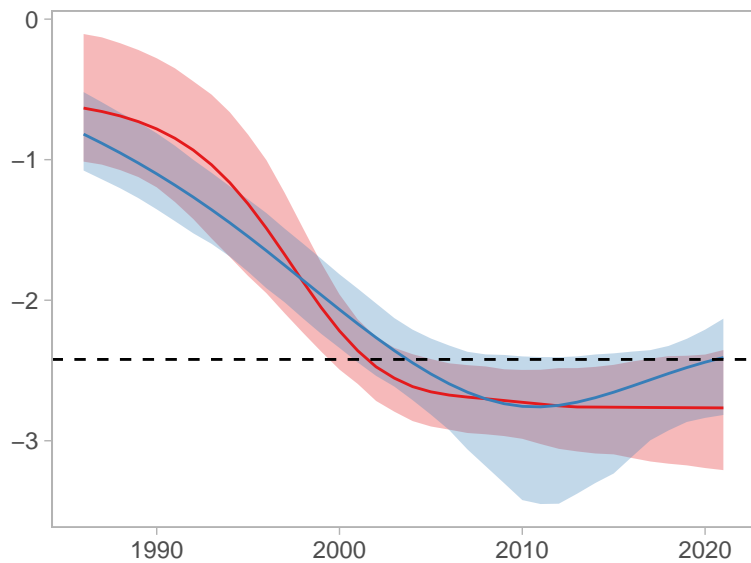
HIV incidence per 1000



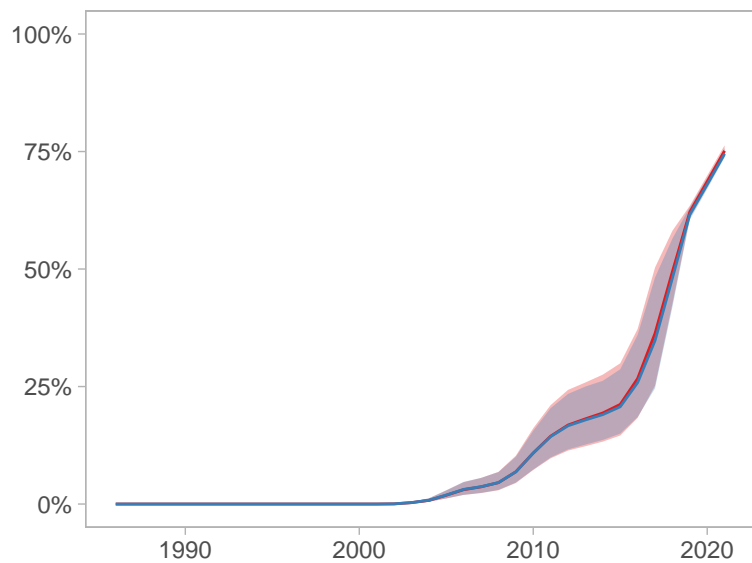
AIDS deaths per 1000 (age 15+)



log r(t)



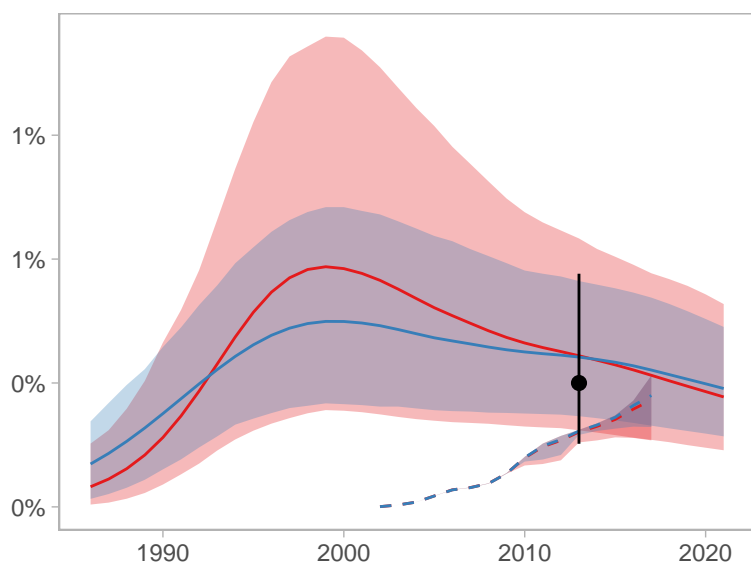
Adult (15+) ART coverage



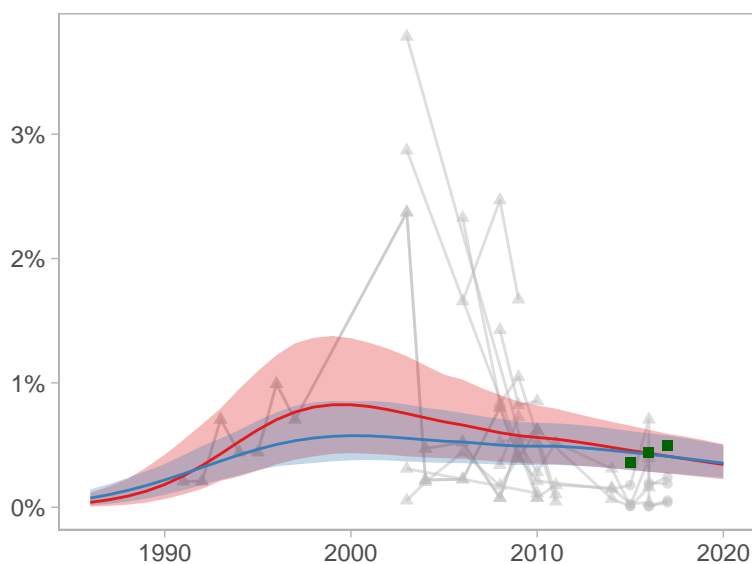
Model: — r-hybrid — r-spline

Togo – Savanes

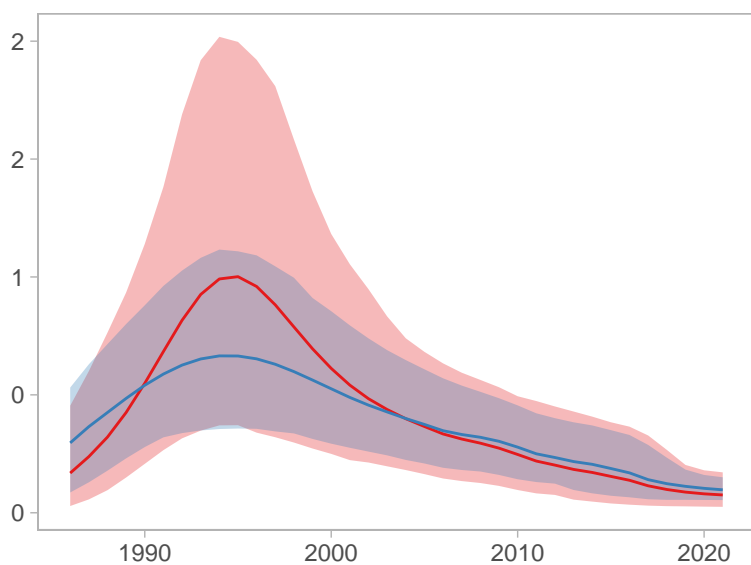
HIV prevalence



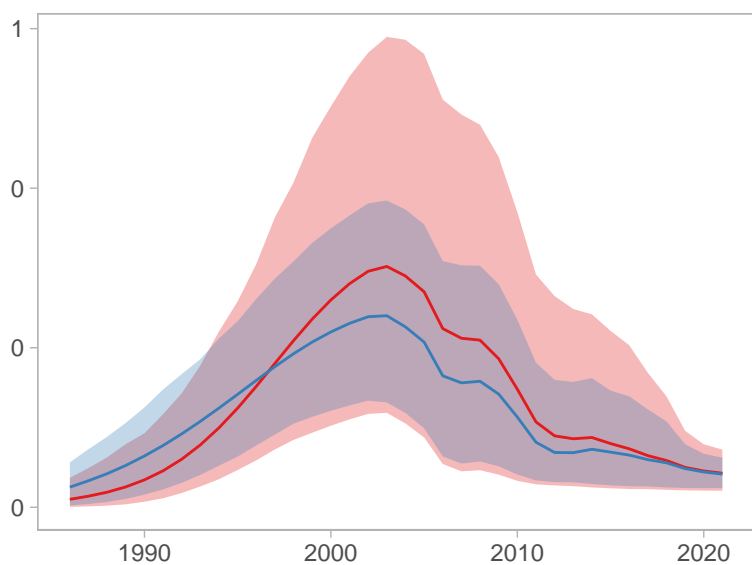
Pregnant women HIV prevalence



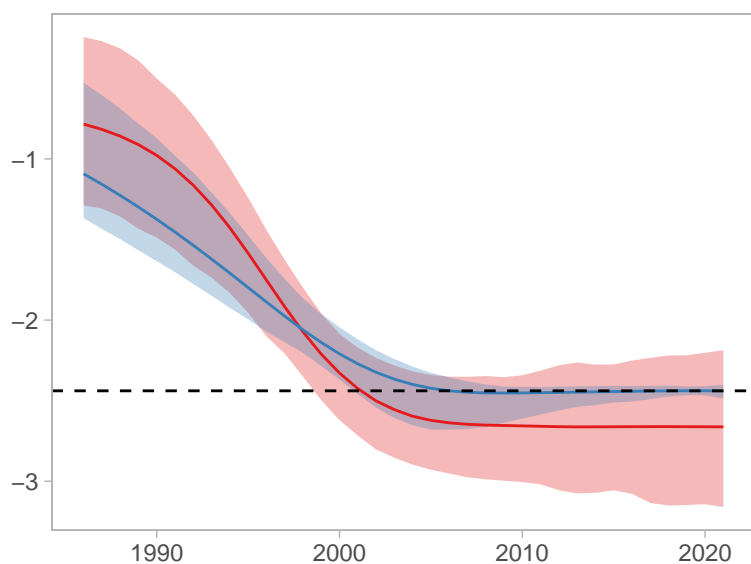
HIV incidence per 1000



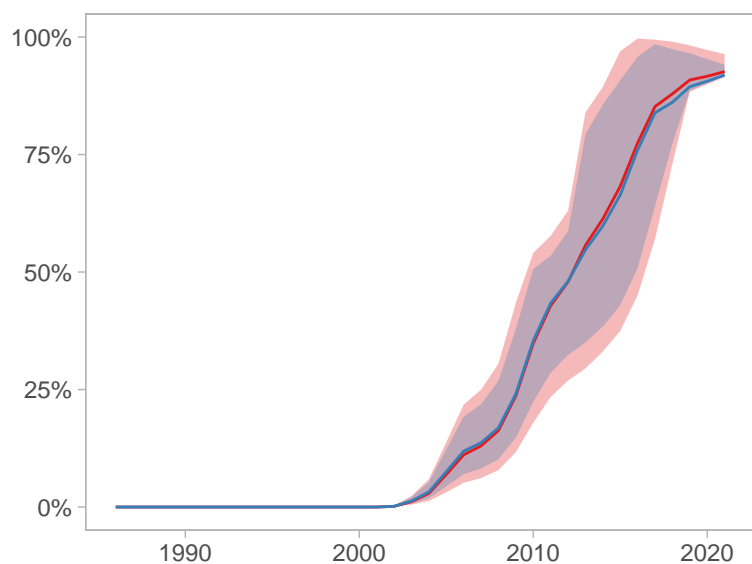
AIDS deaths per 1000 (age 15+)



log r(t)



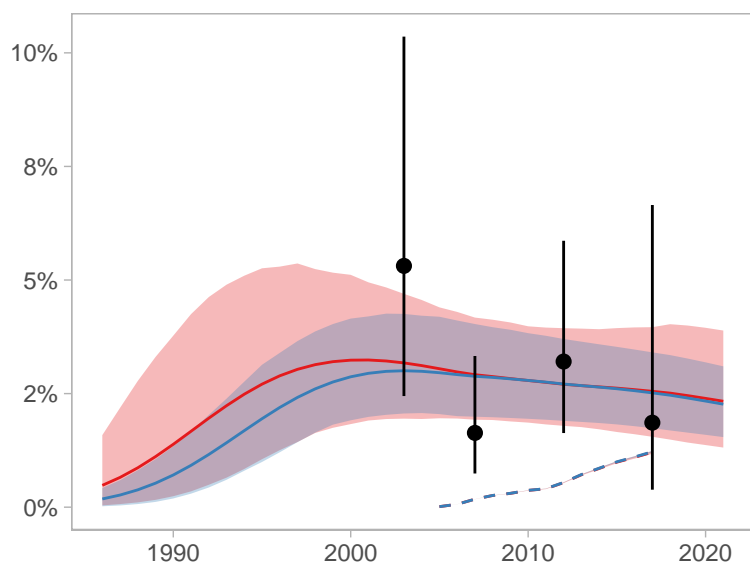
Adult (15+) ART coverage



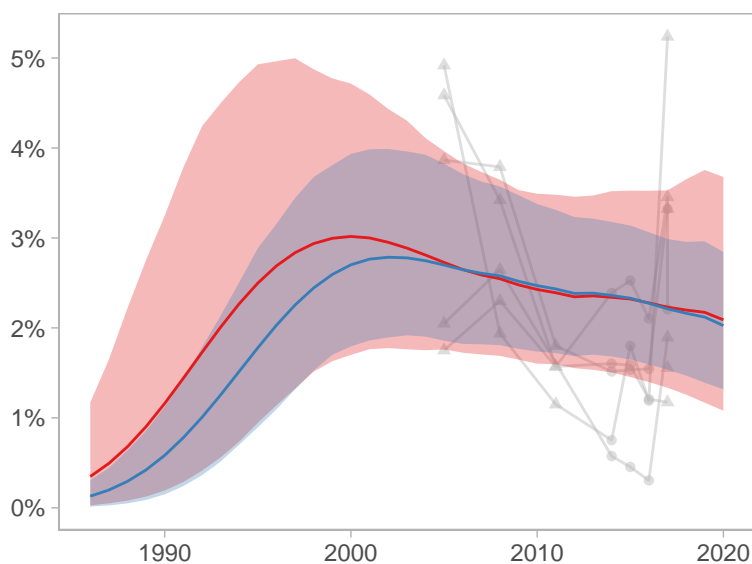
Model: — r-hybrid — r-spline

United Republic of Tanzania – Arusha

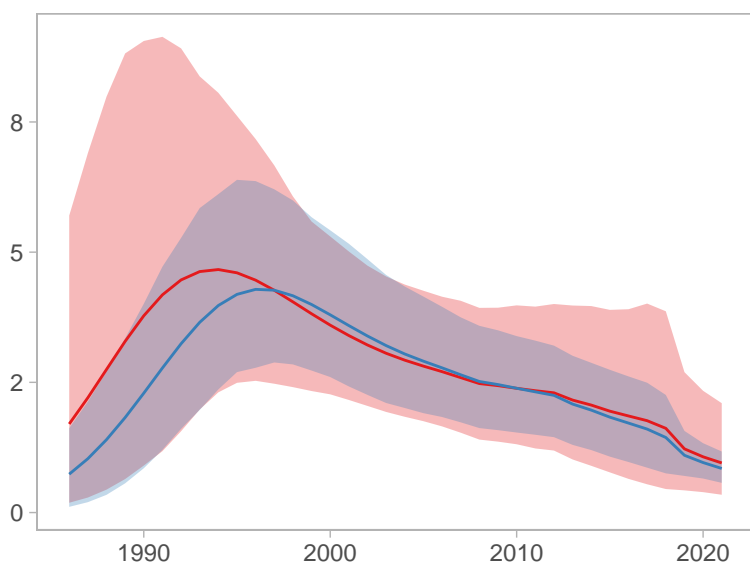
HIV prevalence



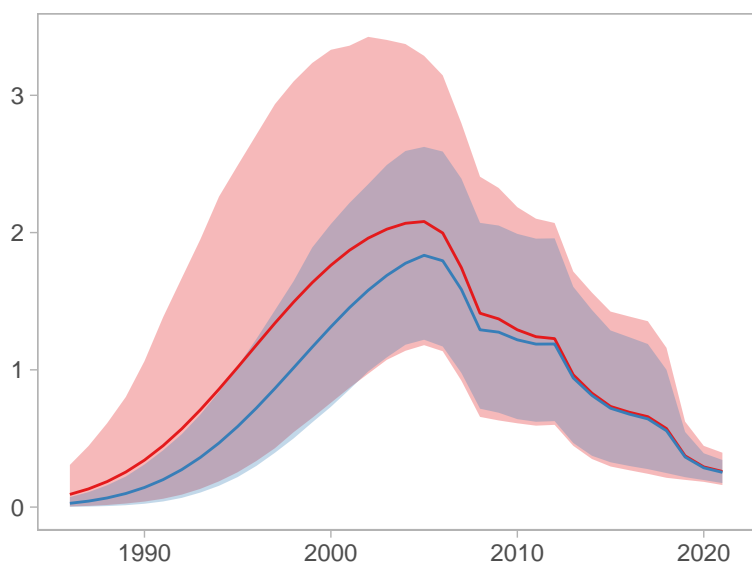
Pregnant women HIV prevalence



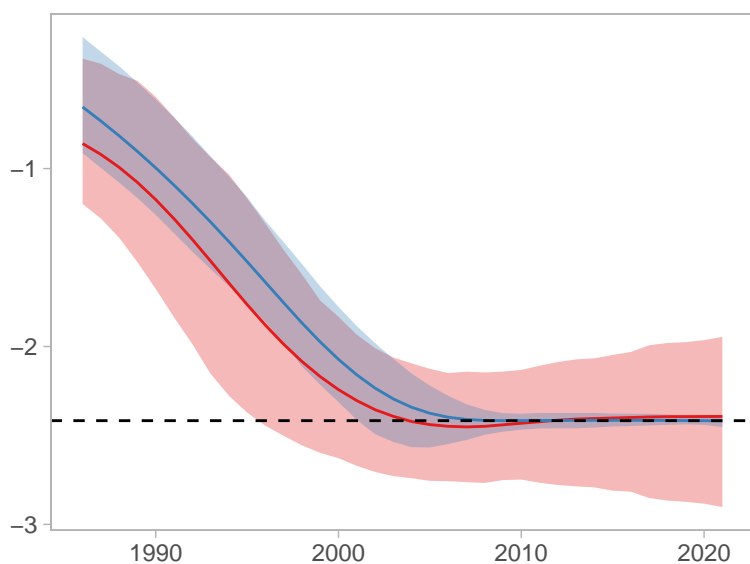
HIV incidence per 1000



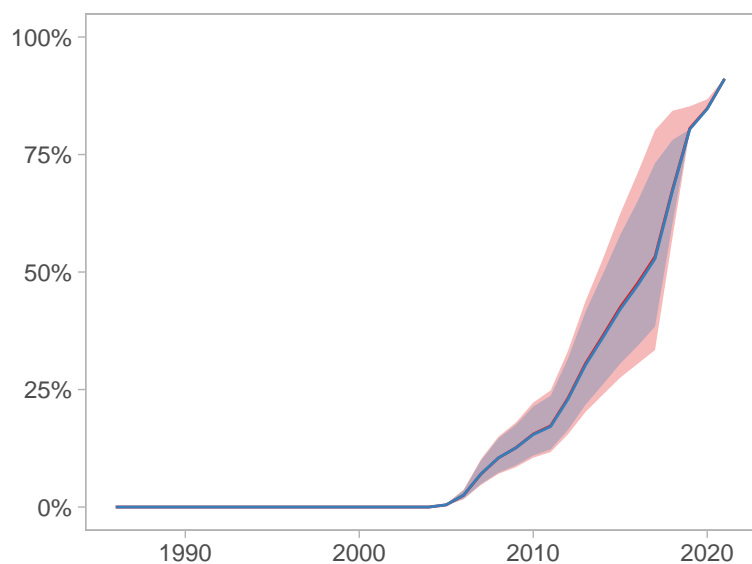
AIDS deaths per 1000 (age 15+)



log r(t)



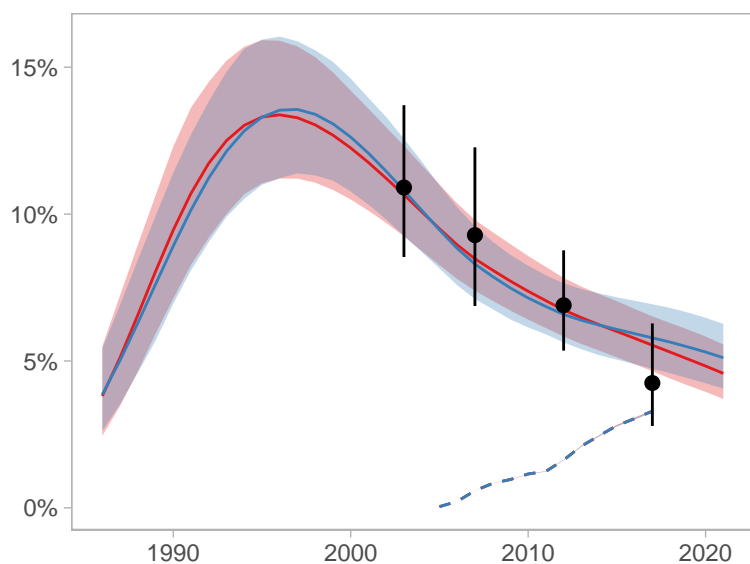
Adult (15+) ART coverage



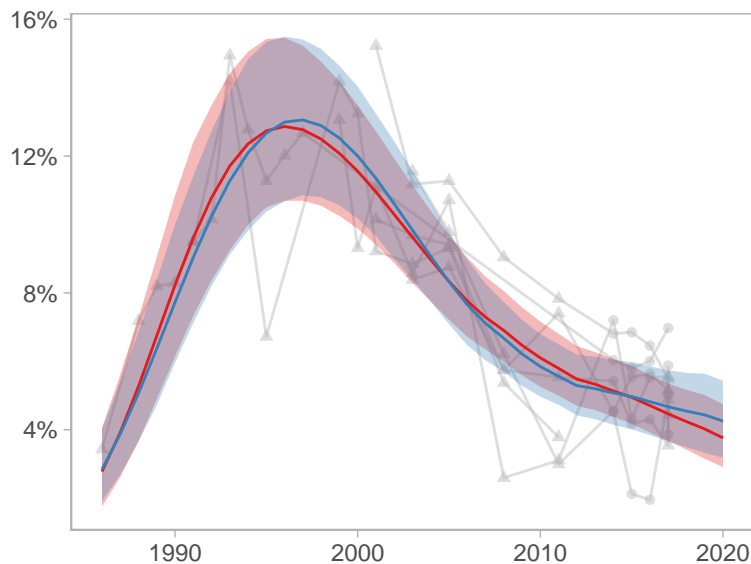
Model: — r-hybrid — r-spline

United Republic of Tanzania – Dar es Salaam

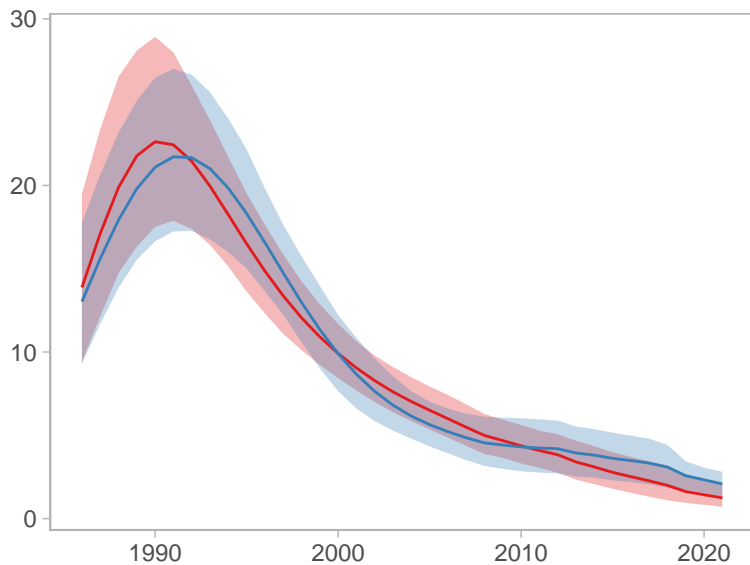
HIV prevalence



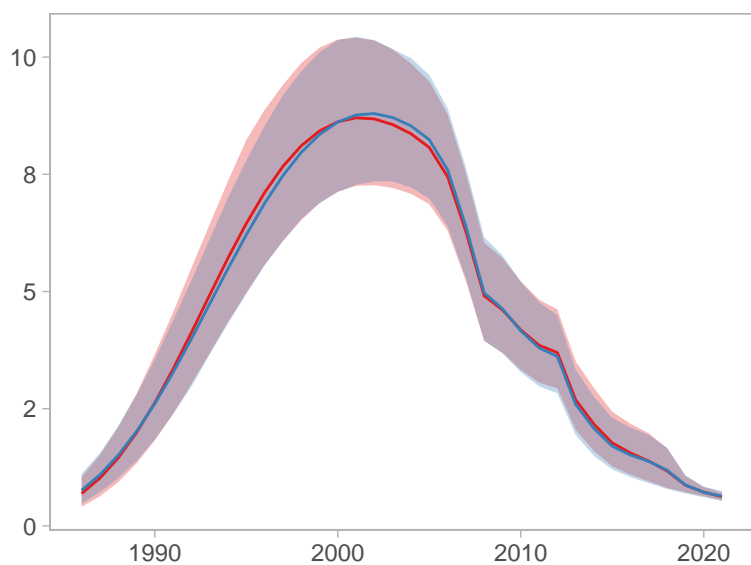
Pregnant women HIV prevalence



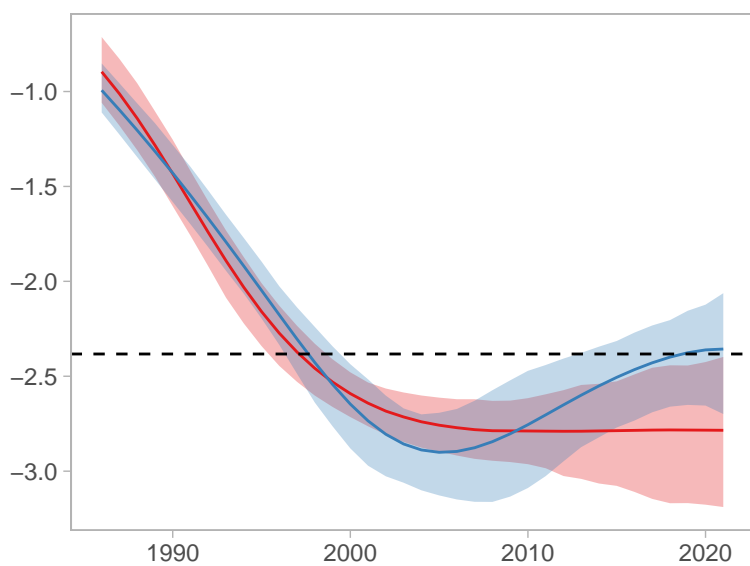
HIV incidence per 1000



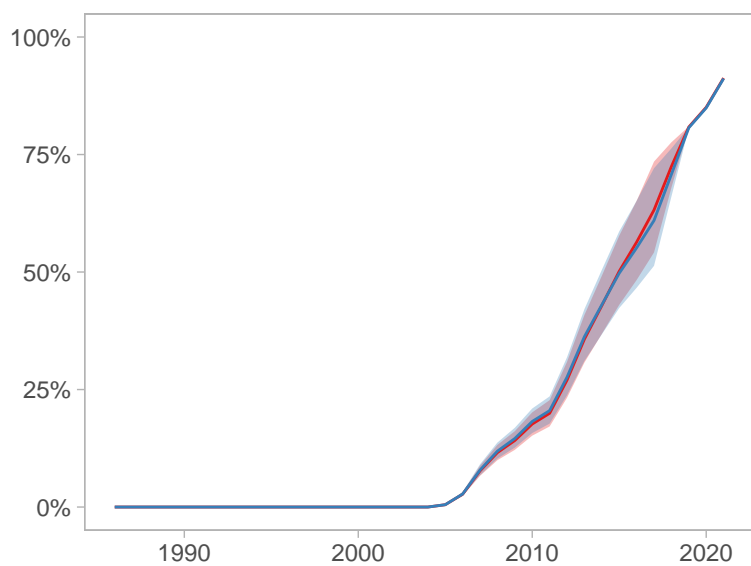
AIDS deaths per 1000 (age 15+)



log r(t)



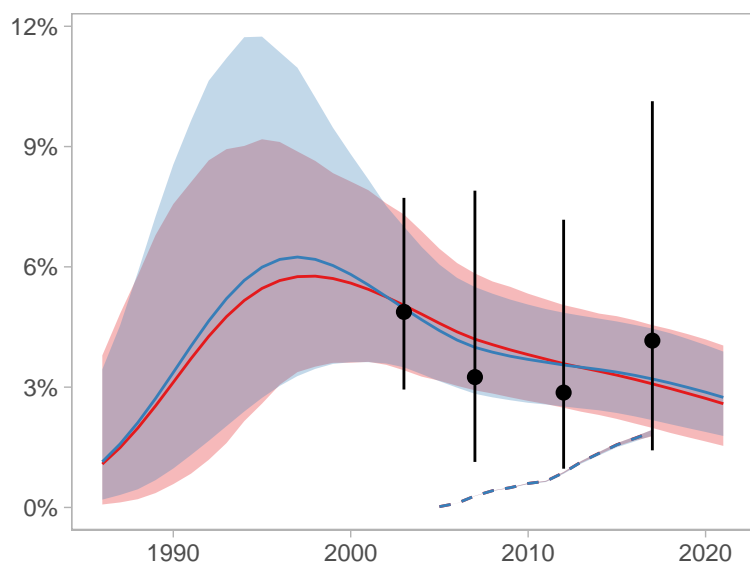
Adult (15+) ART coverage



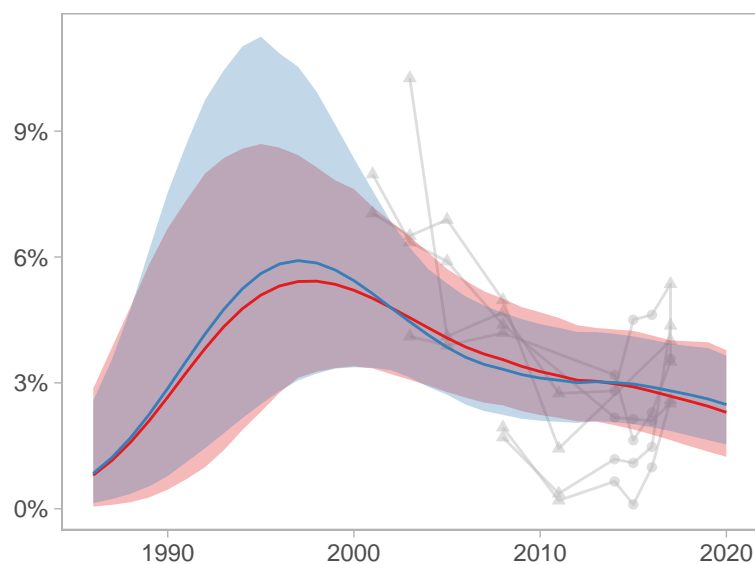
Model: ■ r-hybrid ■ r-spline

United Republic of Tanzania – Dodmoa

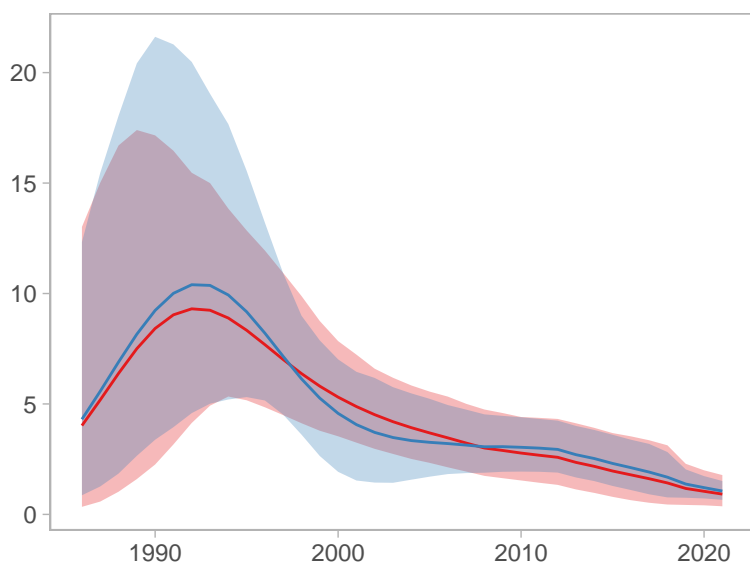
HIV prevalence



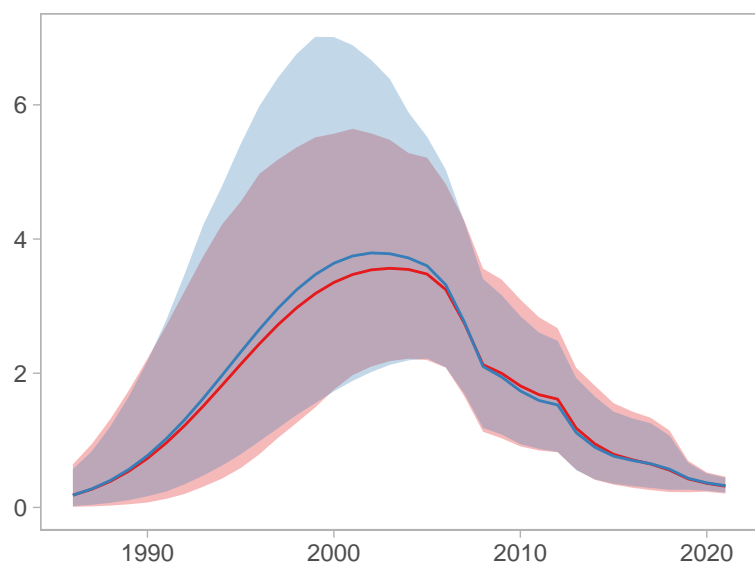
Pregnant women HIV prevalence



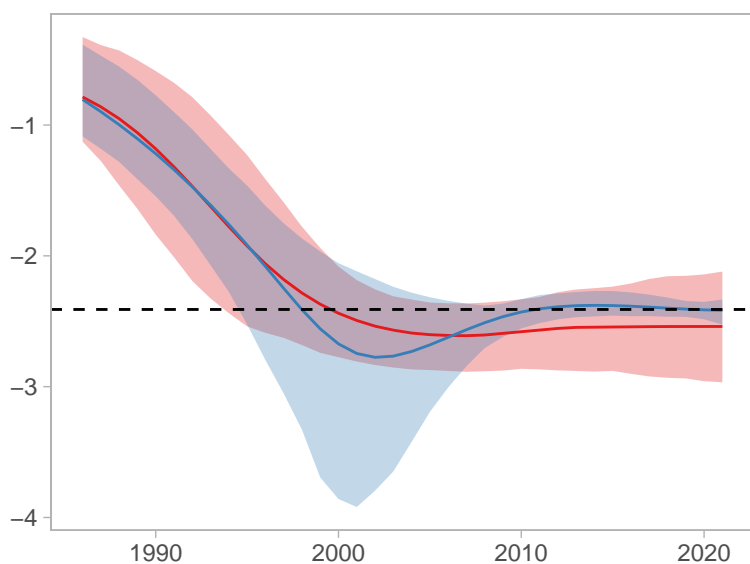
HIV incidence per 1000



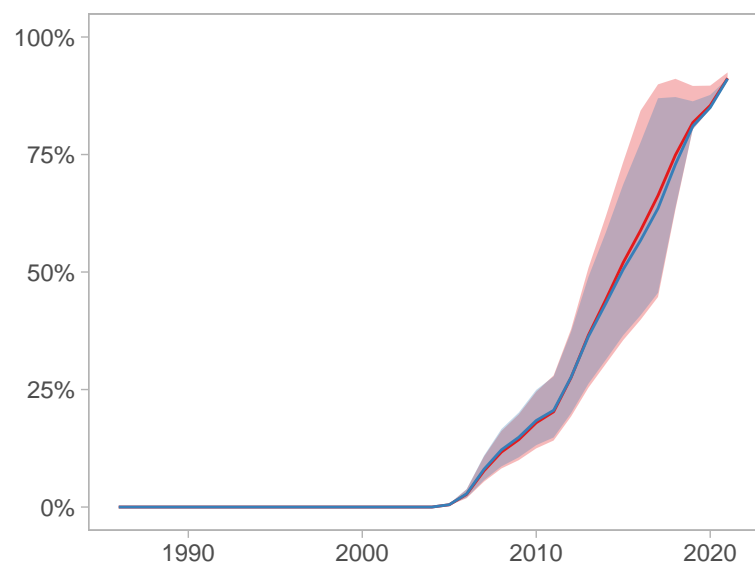
AIDS deaths per 1000 (age 15+)



log r(t)



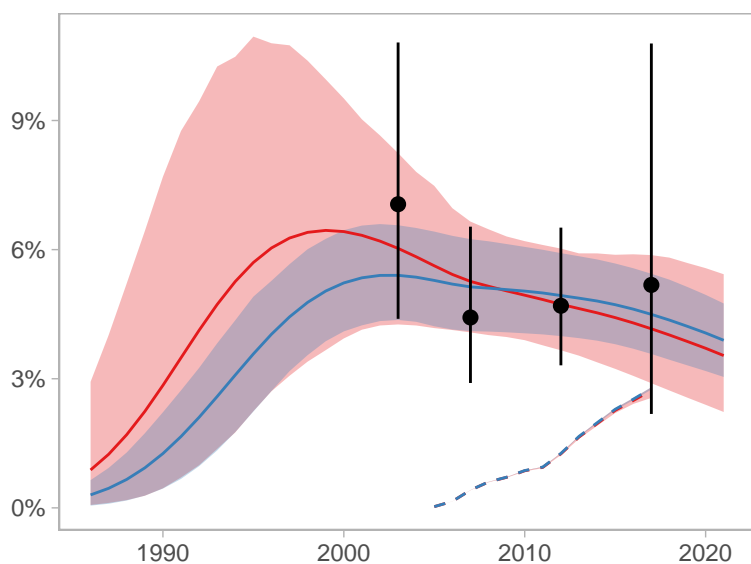
Adult (15+) ART coverage



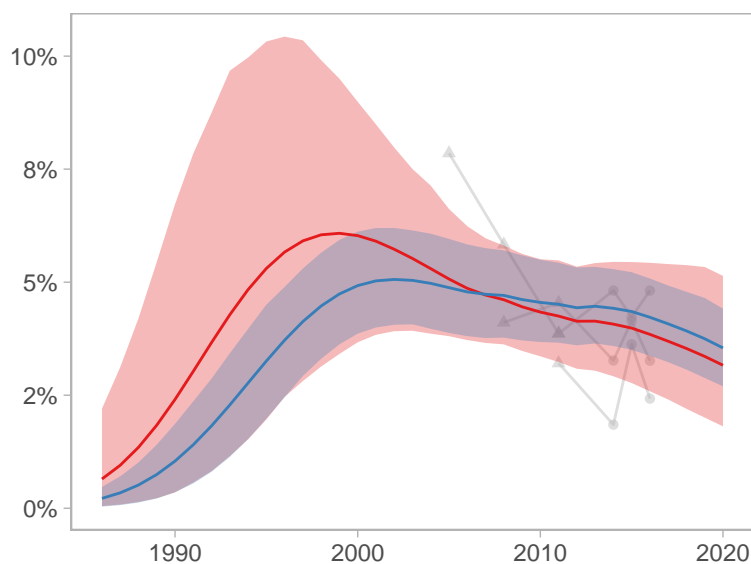
Model: ■ r-hybrid ■ r-spline

United Republic of Tanzania – Geita

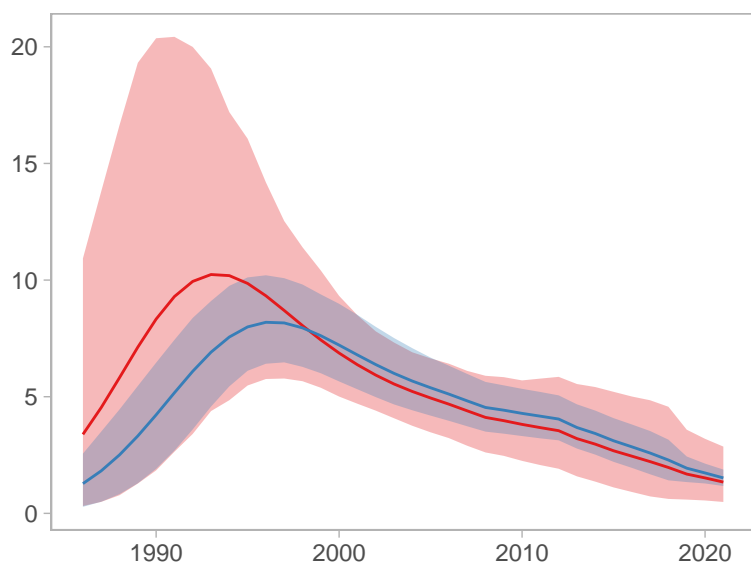
HIV prevalence



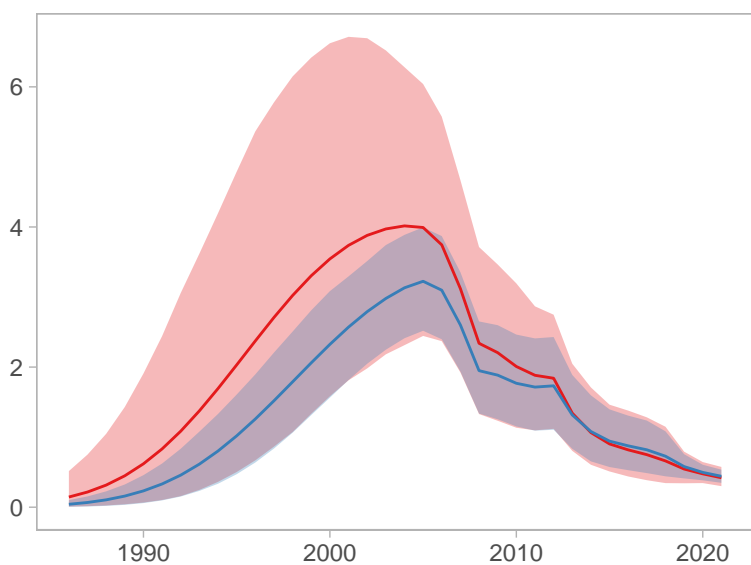
Pregnant women HIV prevalence



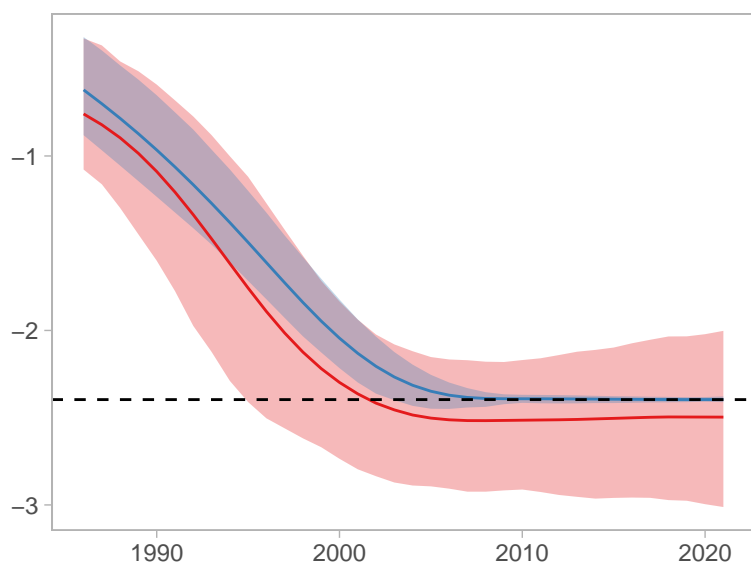
HIV incidence per 1000



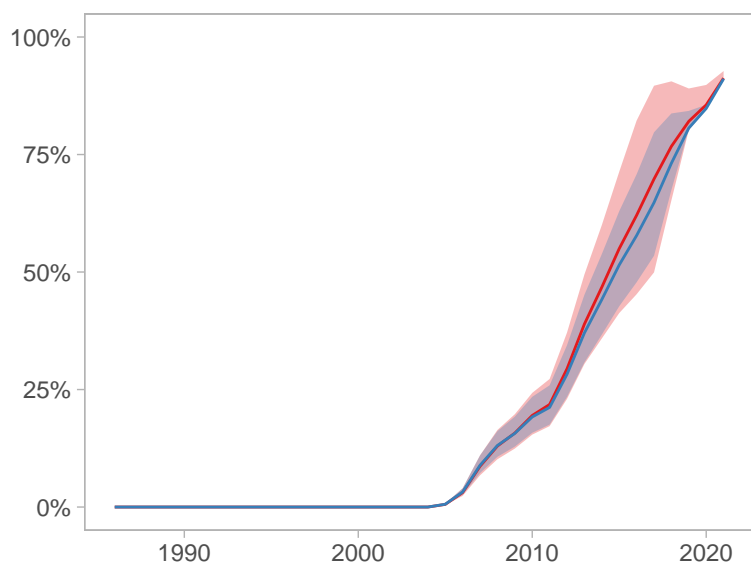
AIDS deaths per 1000 (age 15+)



log r(t)



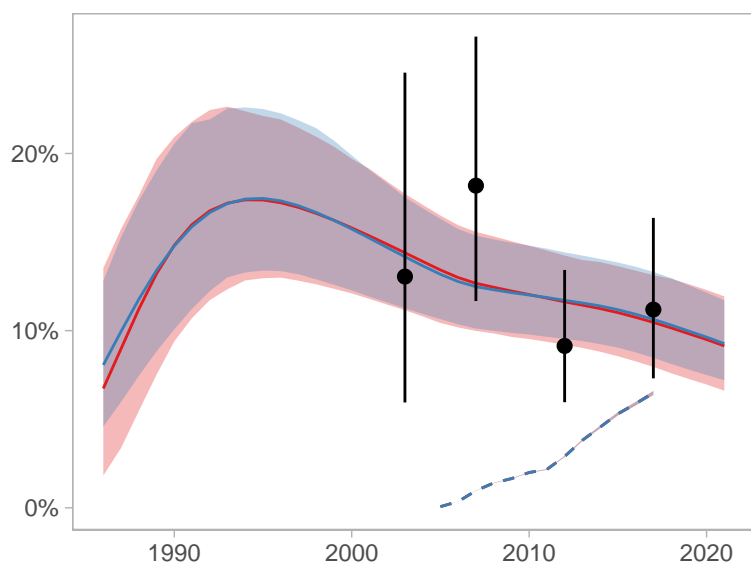
Adult (15+) ART coverage



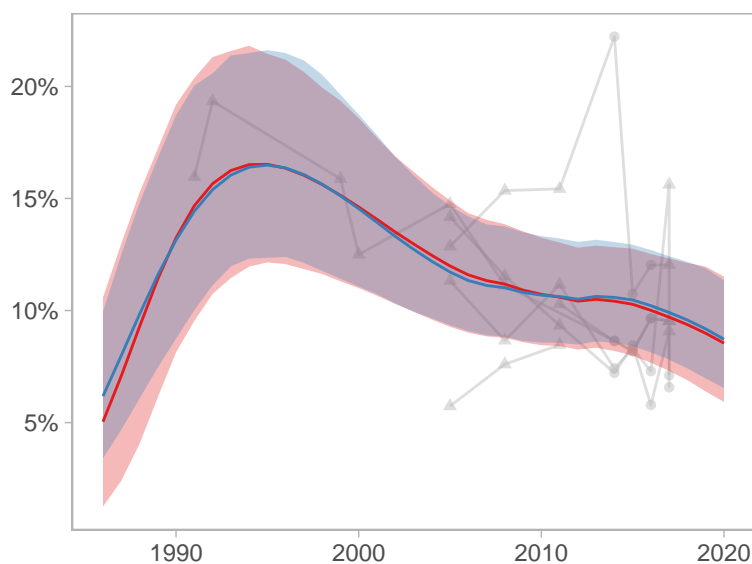
Model: — r-hybrid — r-spline

United Republic of Tanzania – Iringa

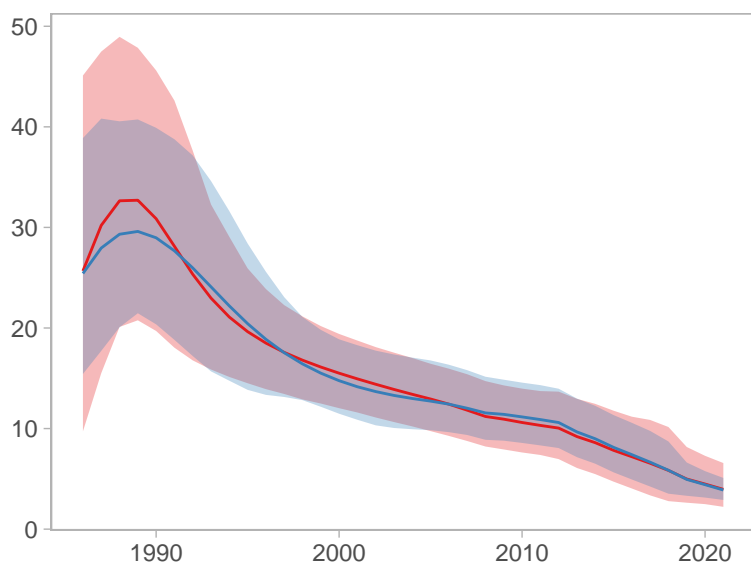
HIV prevalence



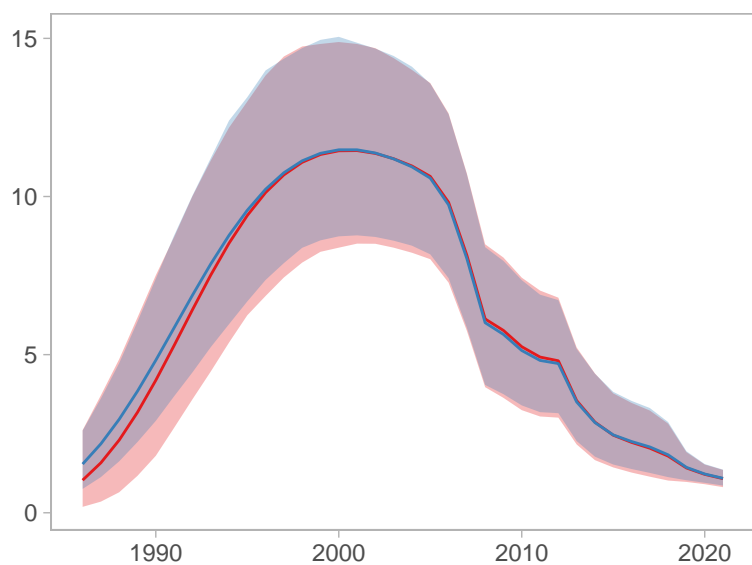
Pregnant women HIV prevalence



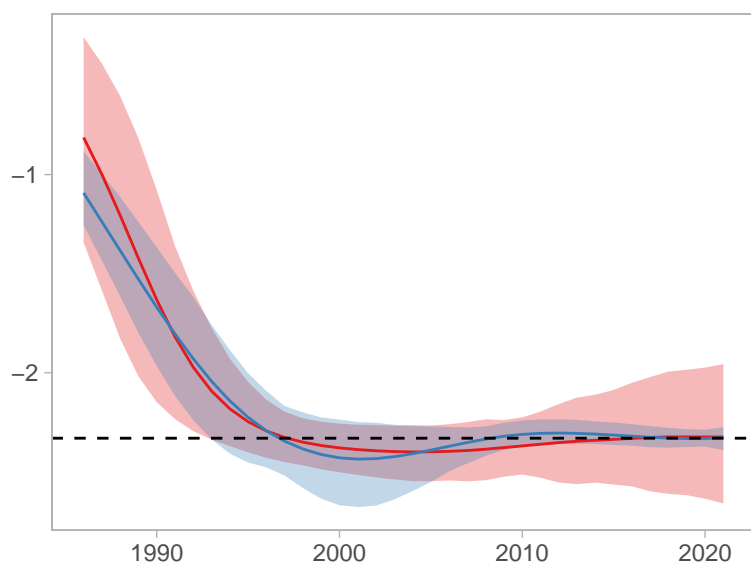
HIV incidence per 1000



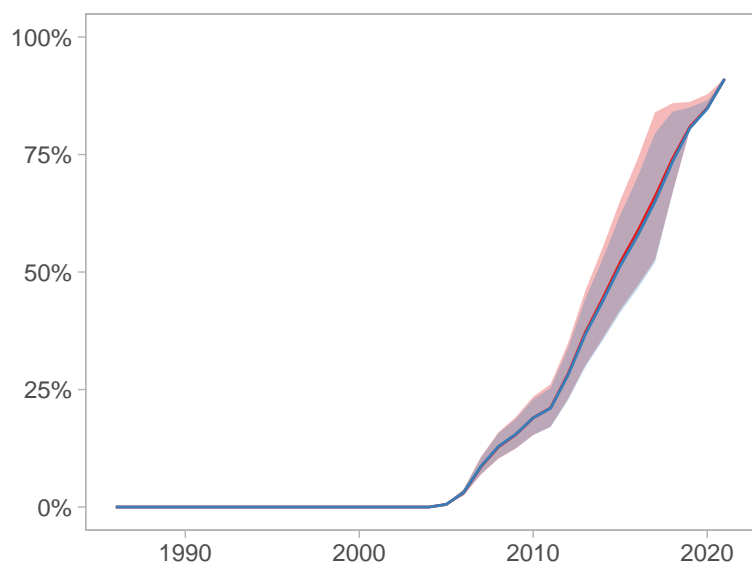
AIDS deaths per 1000 (age 15+)



log r(t)



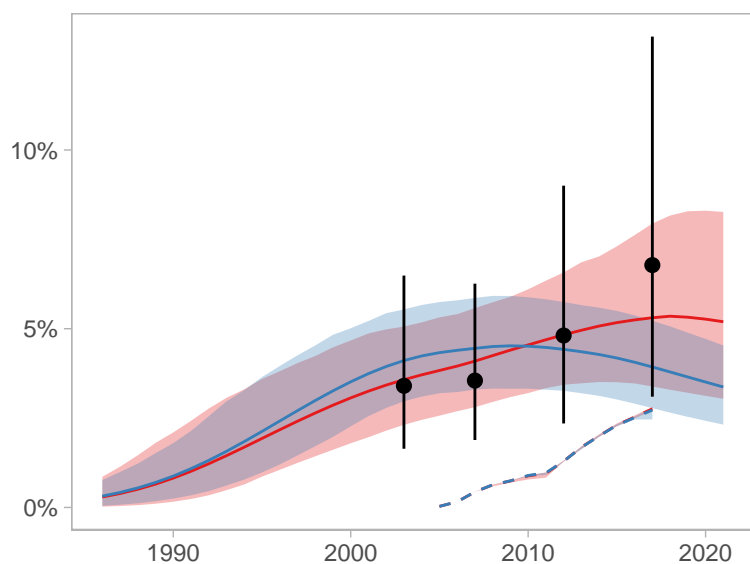
Adult (15+) ART coverage



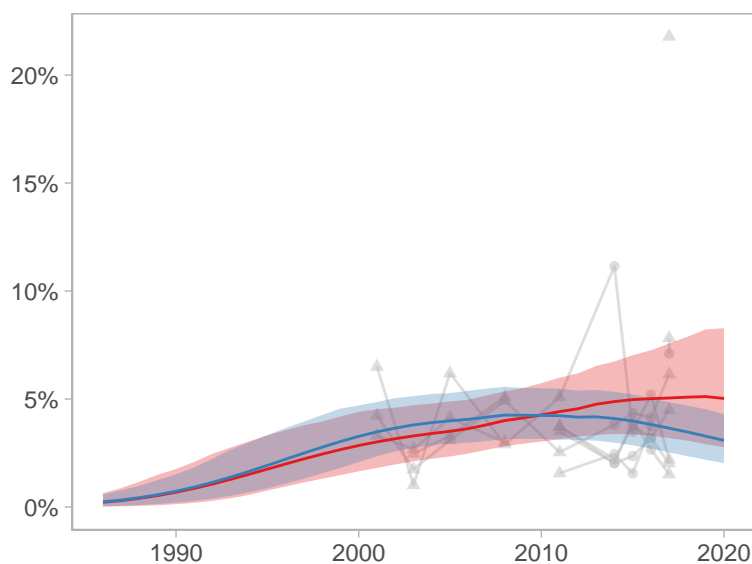
Model: — r-hybrid — r-spline

United Republic of Tanzania – Kagera

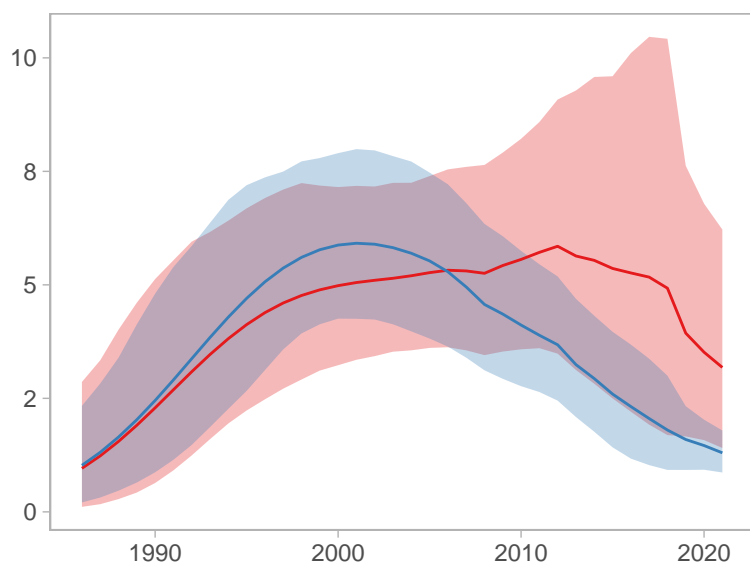
HIV prevalence



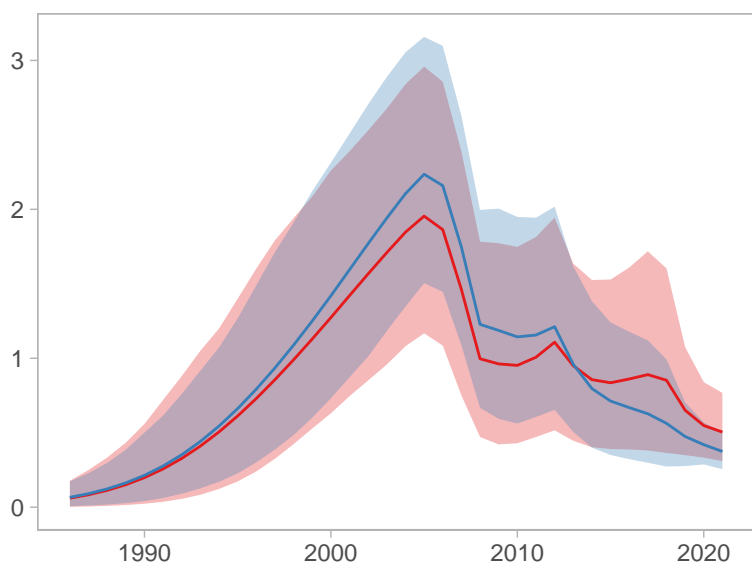
Pregnant women HIV prevalence



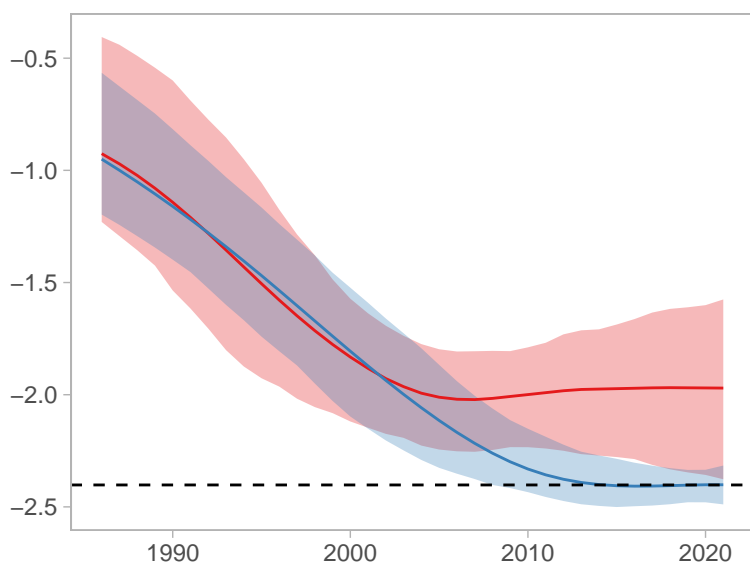
HIV incidence per 1000



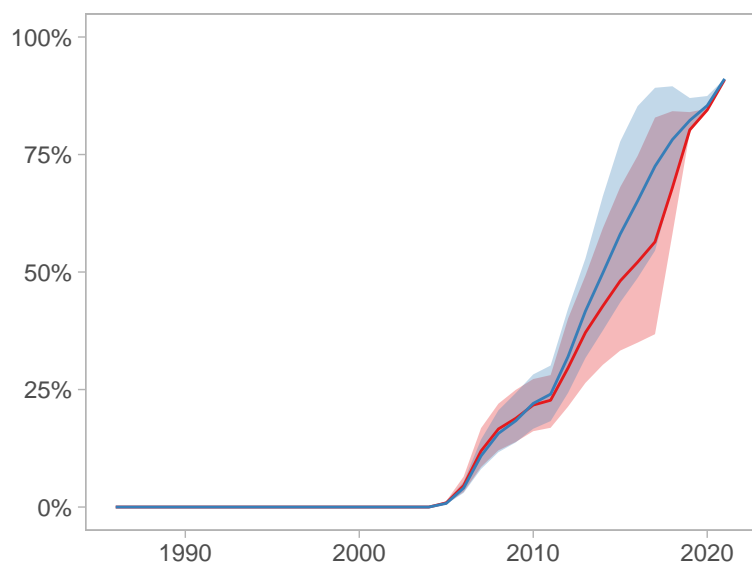
AIDS deaths per 1000 (age 15+)



log r(t)



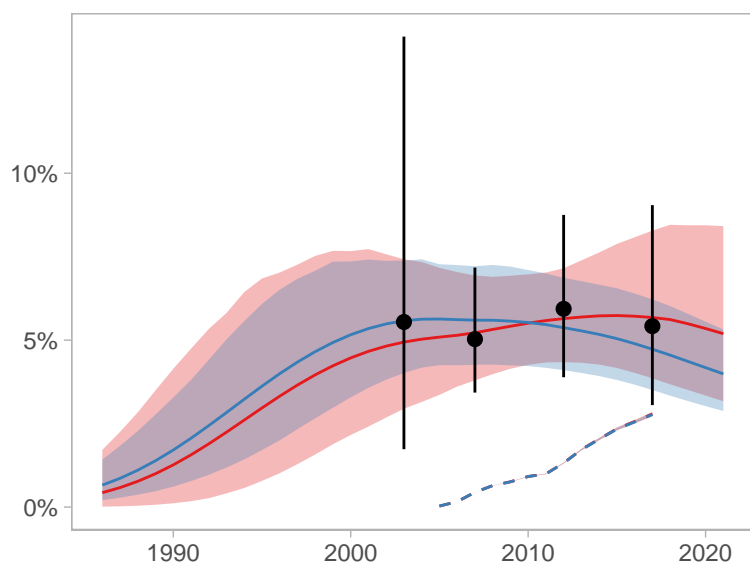
Adult (15+) ART coverage



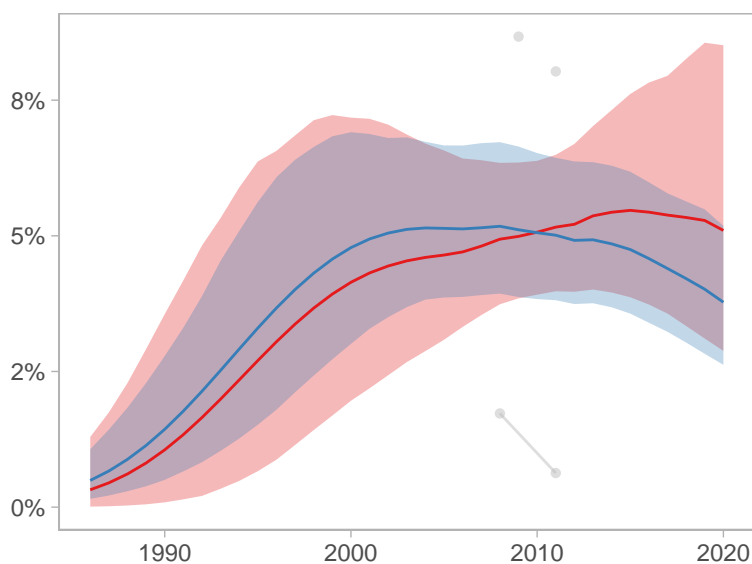
Model: — r-hybrid — r-spline

United Republic of Tanzania – Katavi

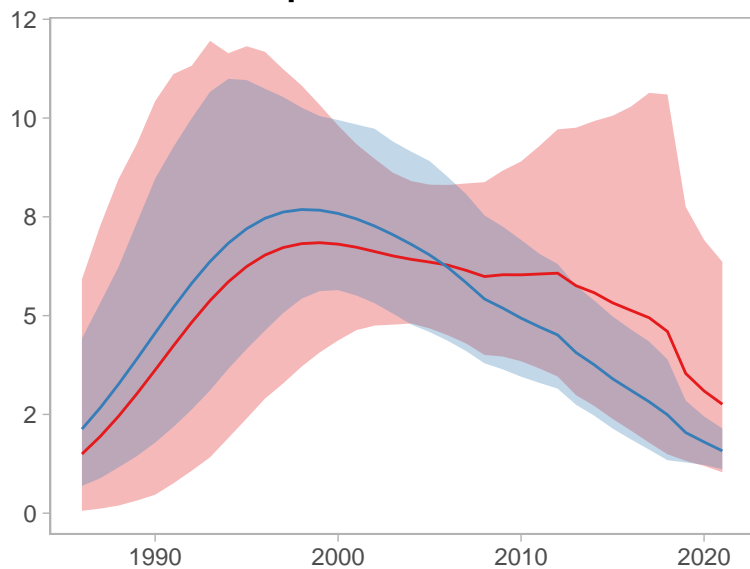
HIV prevalence



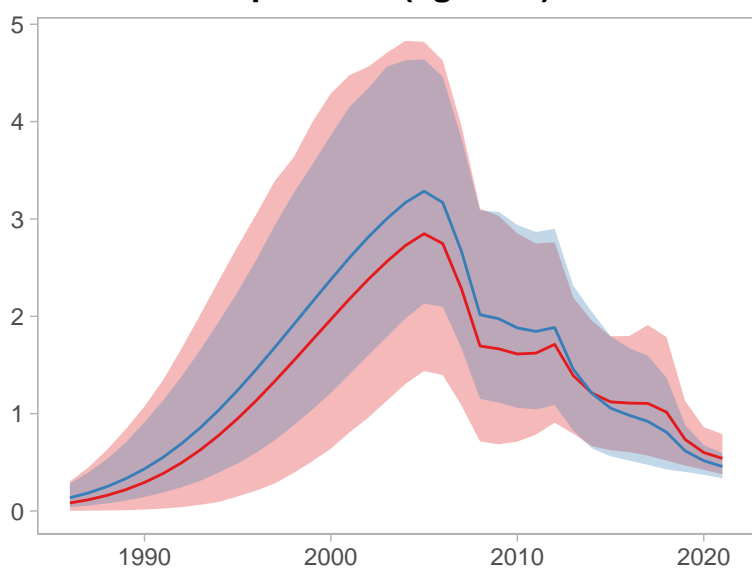
Pregnant women HIV prevalence



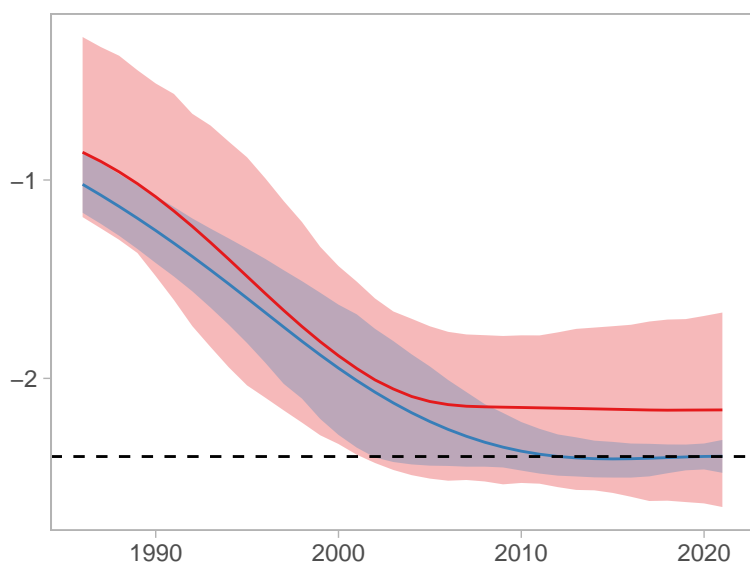
HIV incidence per 1000



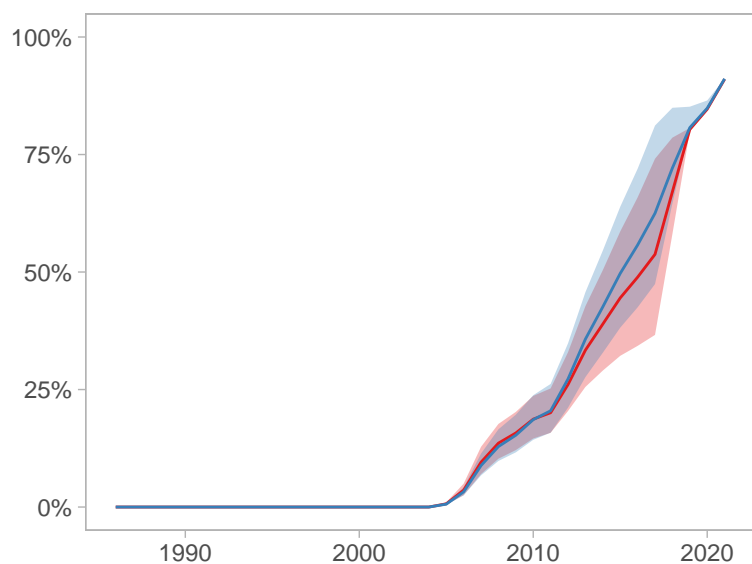
AIDS deaths per 1000 (age 15+)



log r(t)



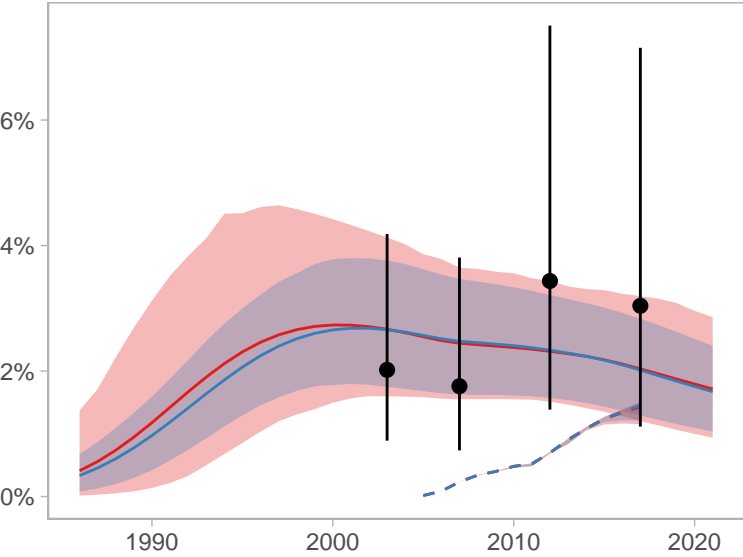
Adult (15+) ART coverage



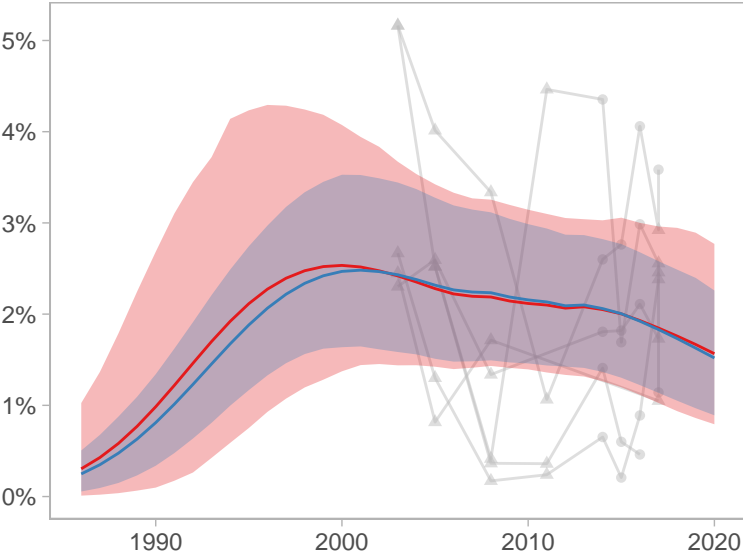
Model: — r-hybrid — r-spline

United Republic of Tanzania – Kigoma

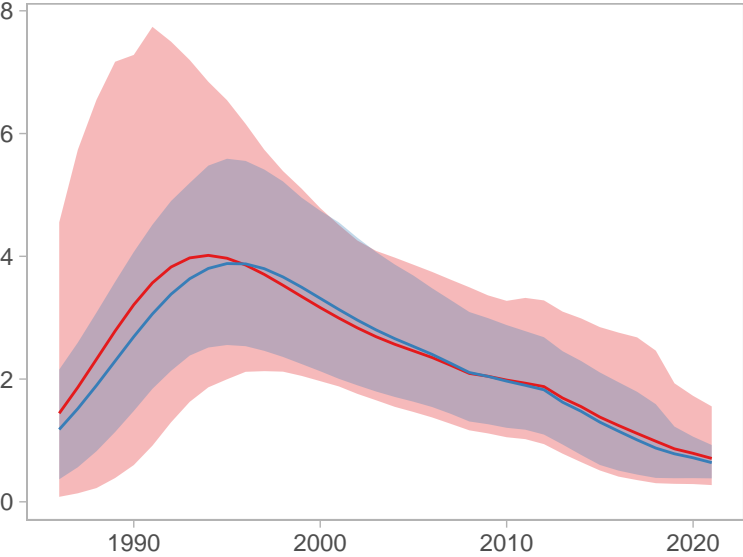
HIV prevalence



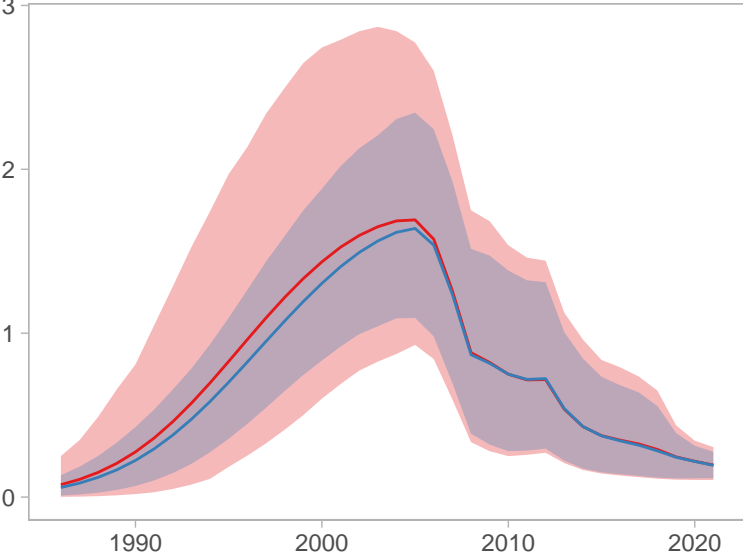
Pregnant women HIV prevalence



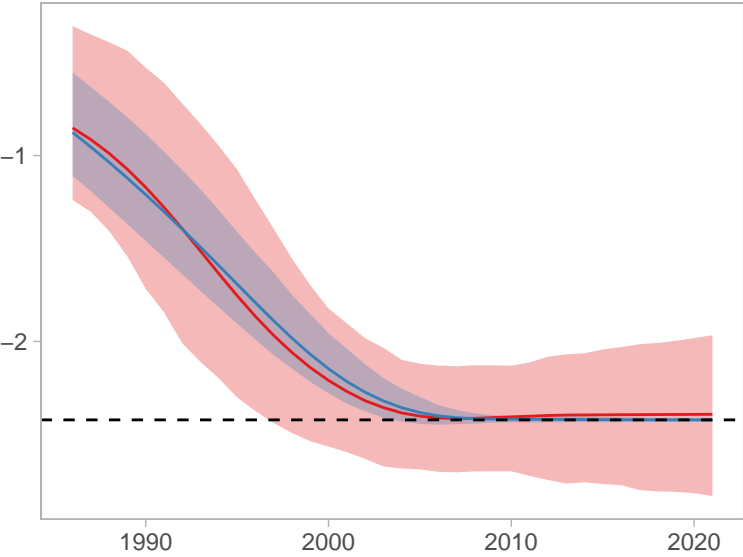
HIV incidence per 1000



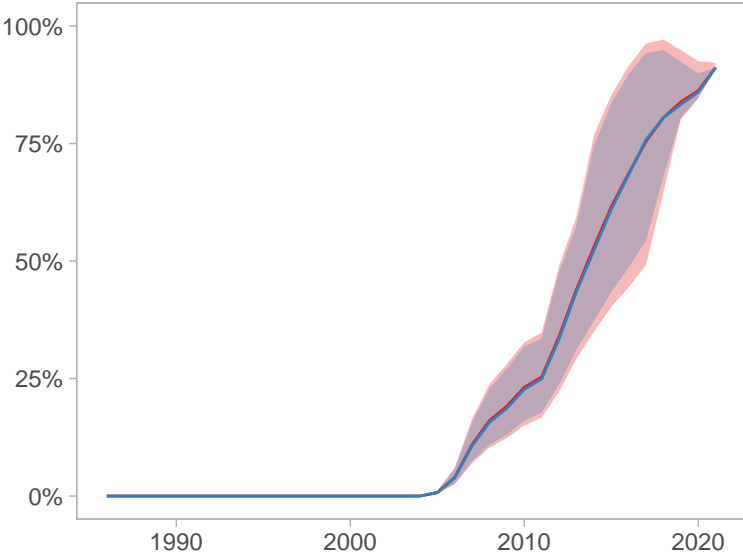
AIDS deaths per 1000 (age 15+)



log r(t)



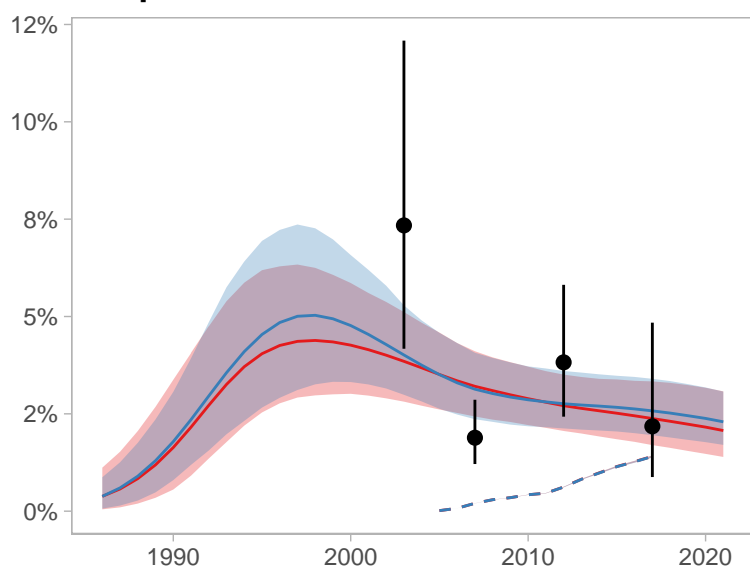
Adult (15+) ART coverage



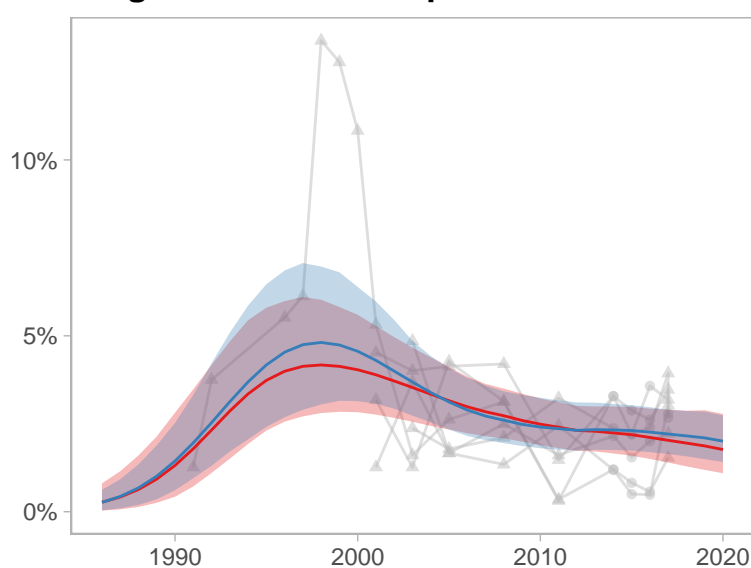
Model: — r-hybrid — r-spline

United Republic of Tanzania – Kilimanjaro

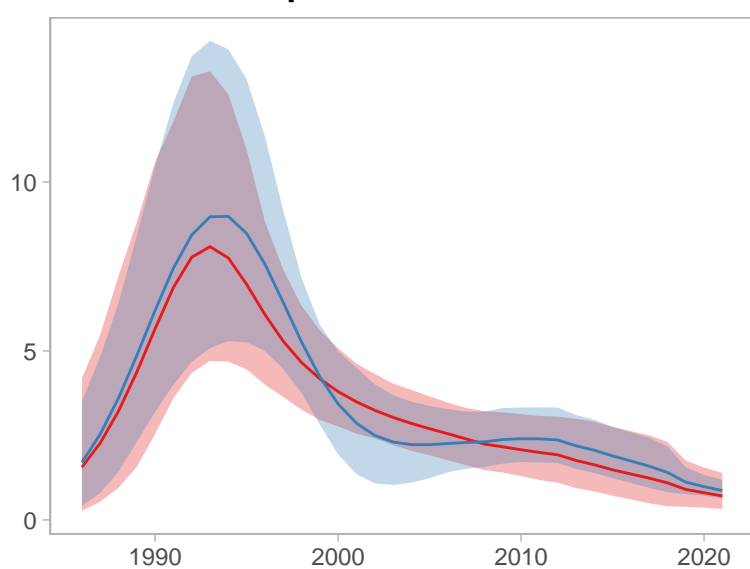
HIV prevalence



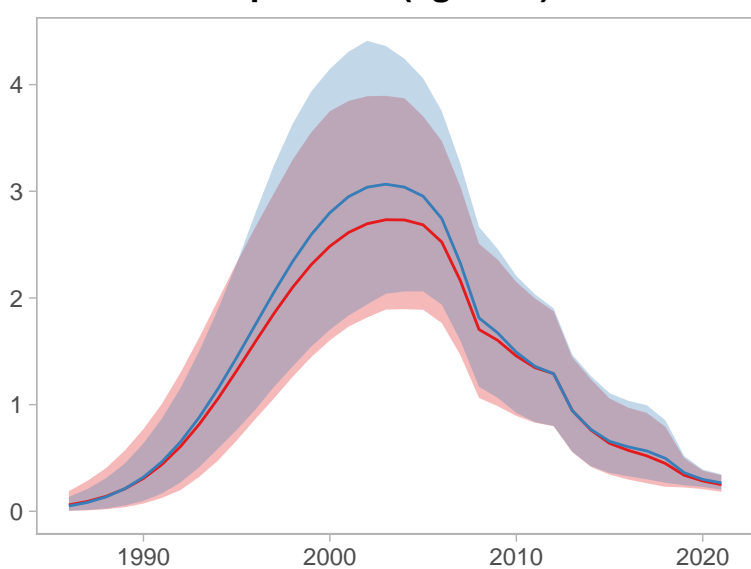
Pregnant women HIV prevalence



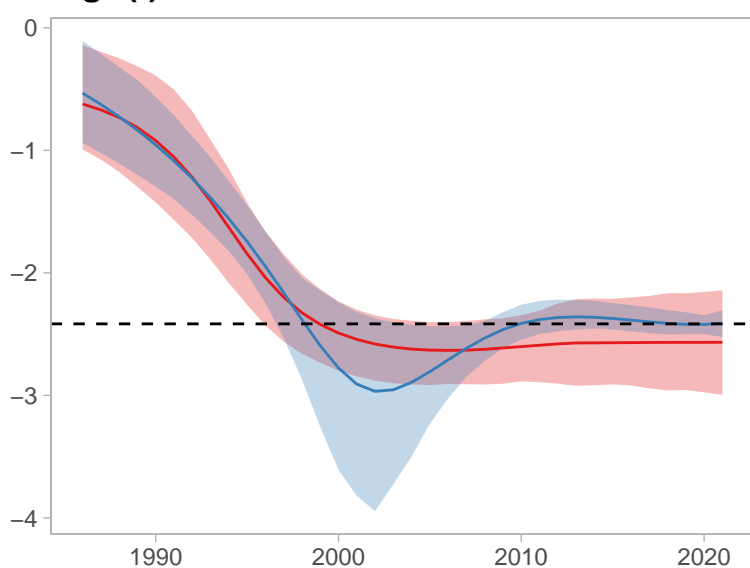
HIV incidence per 1000



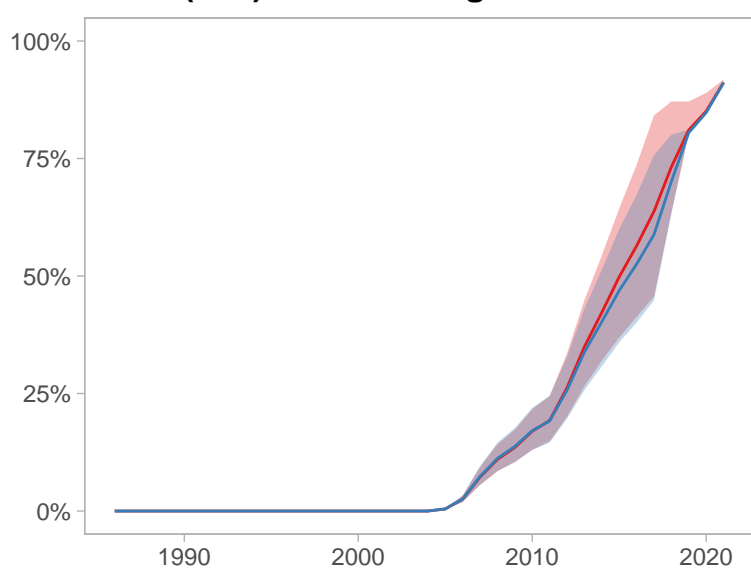
AIDS deaths per 1000 (age 15+)



log r(t)



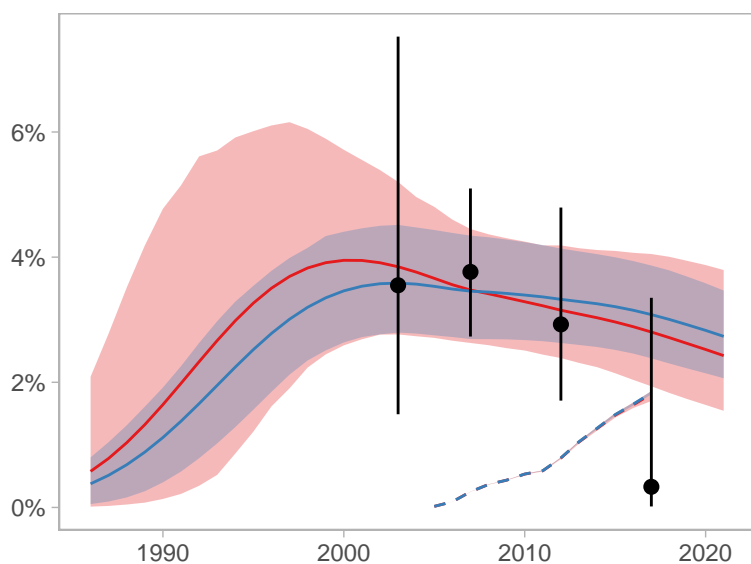
Adult (15+) ART coverage



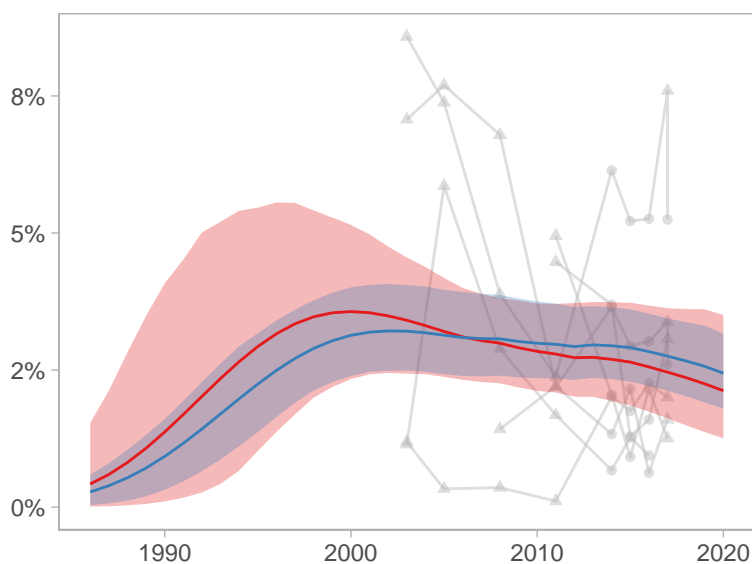
Model: — r-hybrid — r-spline

United Republic of Tanzania – Lindi

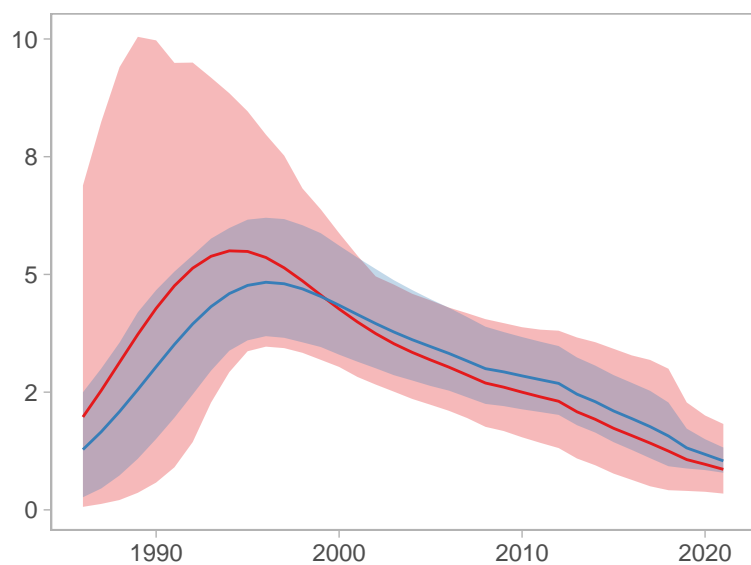
HIV prevalence



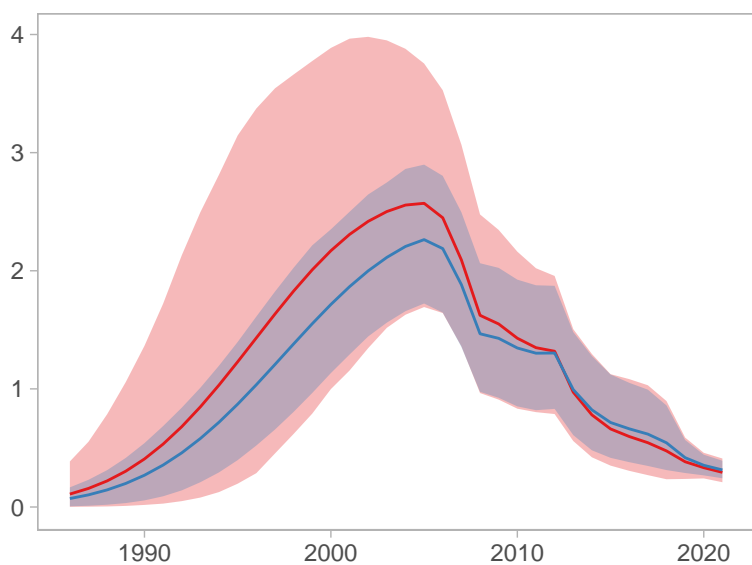
Pregnant women HIV prevalence



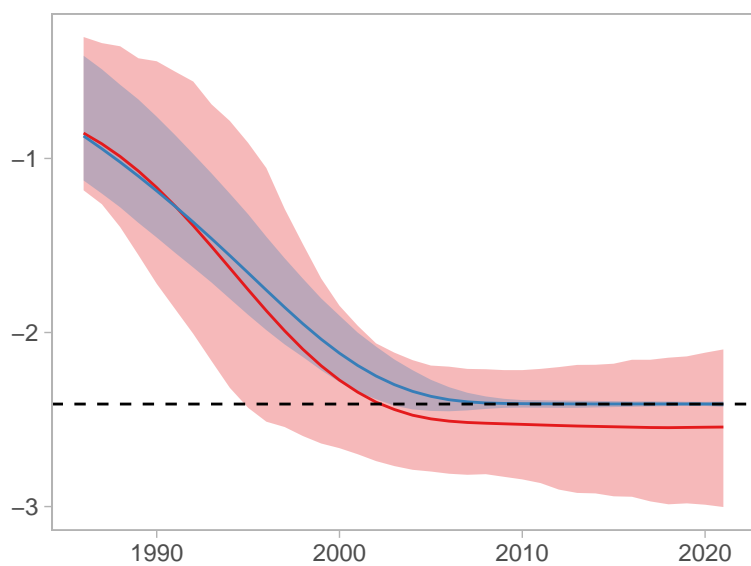
HIV incidence per 1000



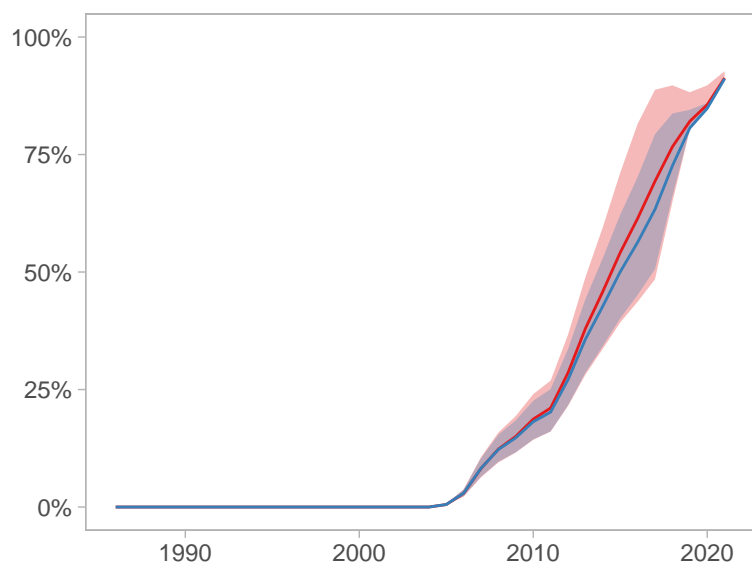
AIDS deaths per 1000 (age 15+)



log r(t)



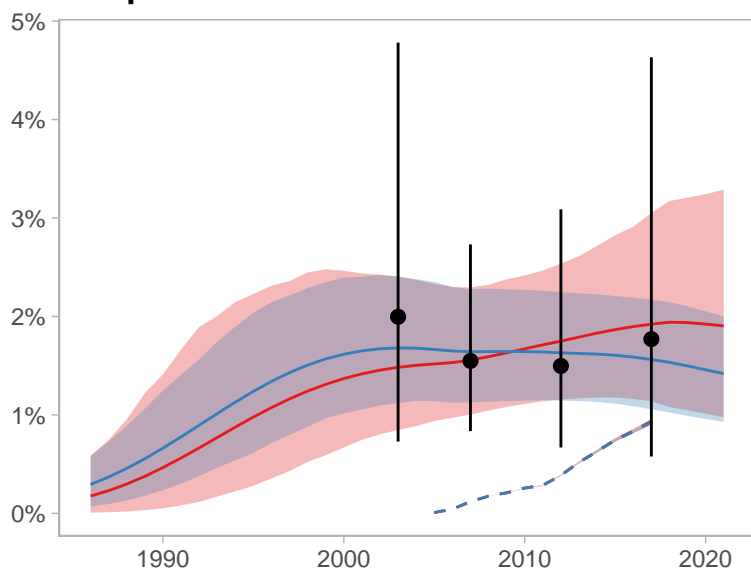
Adult (15+) ART coverage



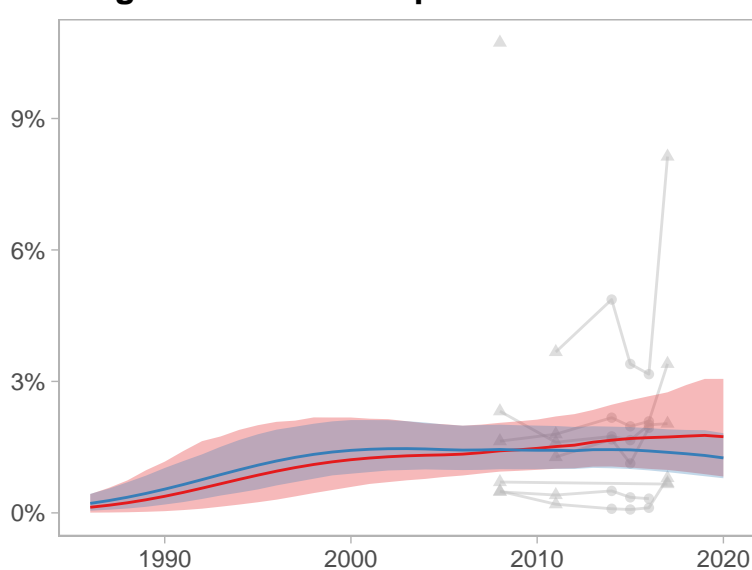
Model: — r-hybrid — r-spline

United Republic of Tanzania – Manyara

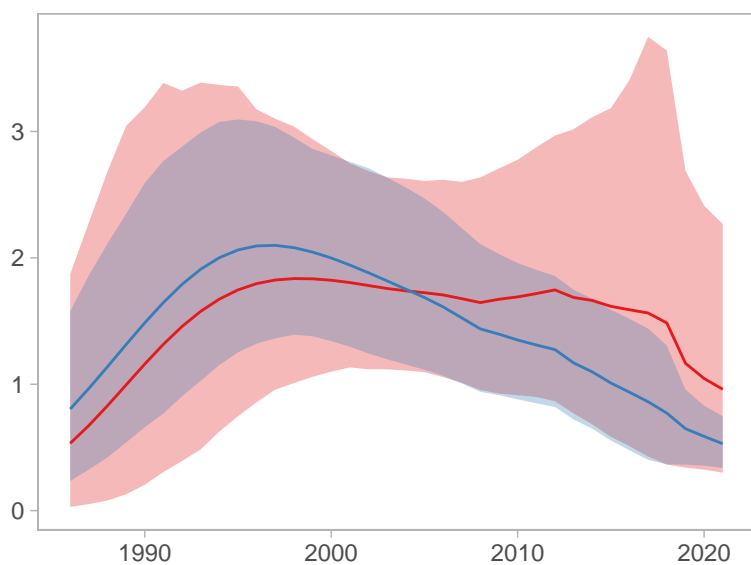
HIV prevalence



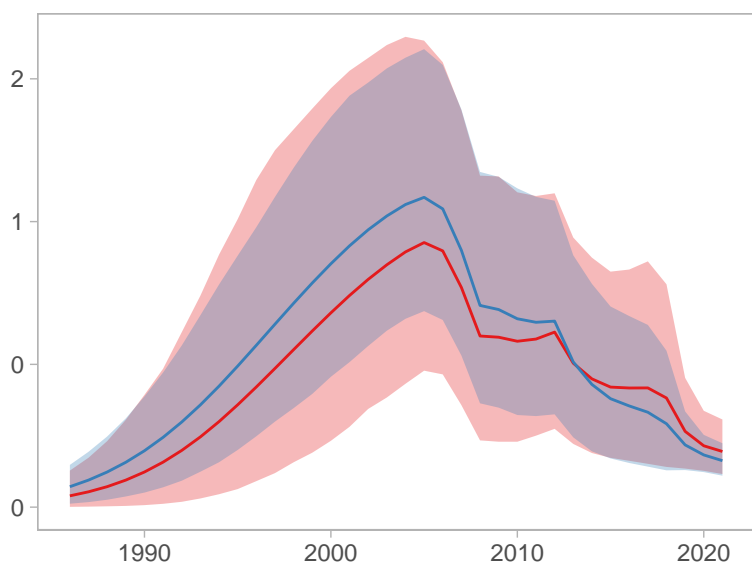
Pregnant women HIV prevalence



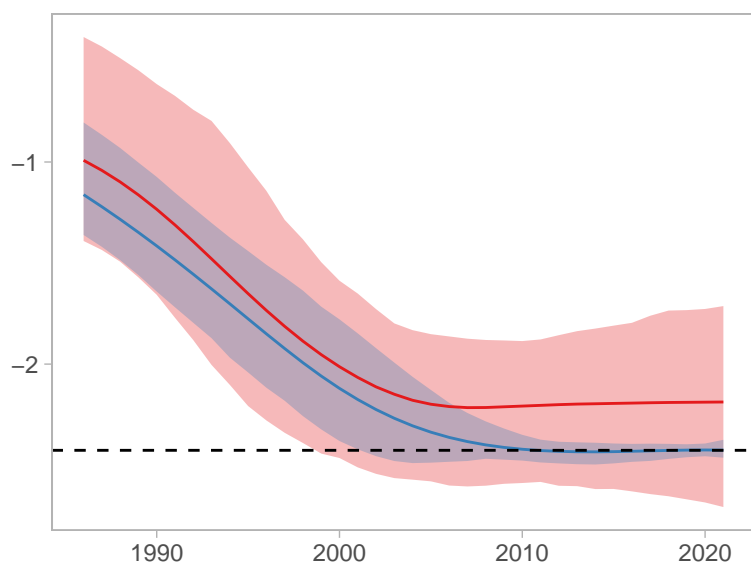
HIV incidence per 1000



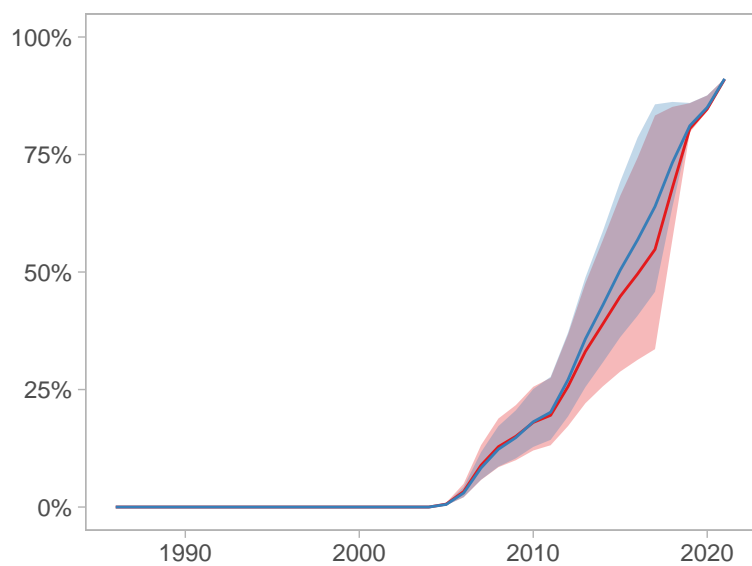
AIDS deaths per 1000 (age 15+)



log r(t)



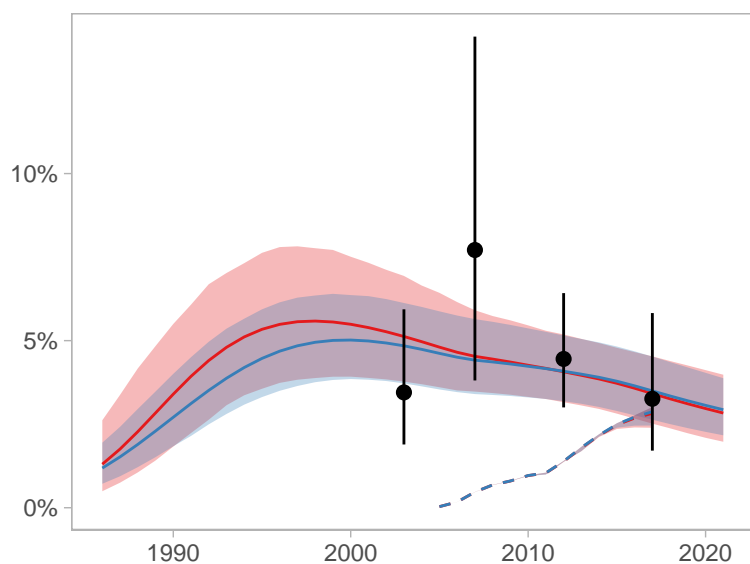
Adult (15+) ART coverage



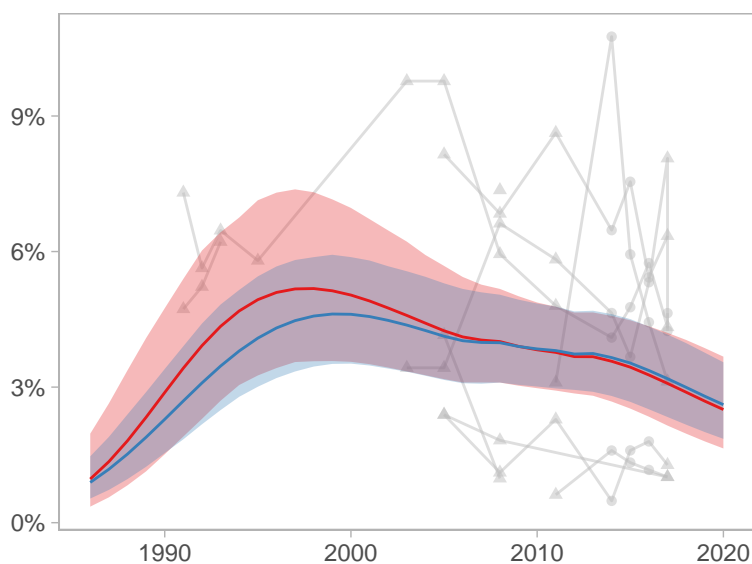
Model: — r-hybrid — r-spline

United Republic of Tanzania – Mara

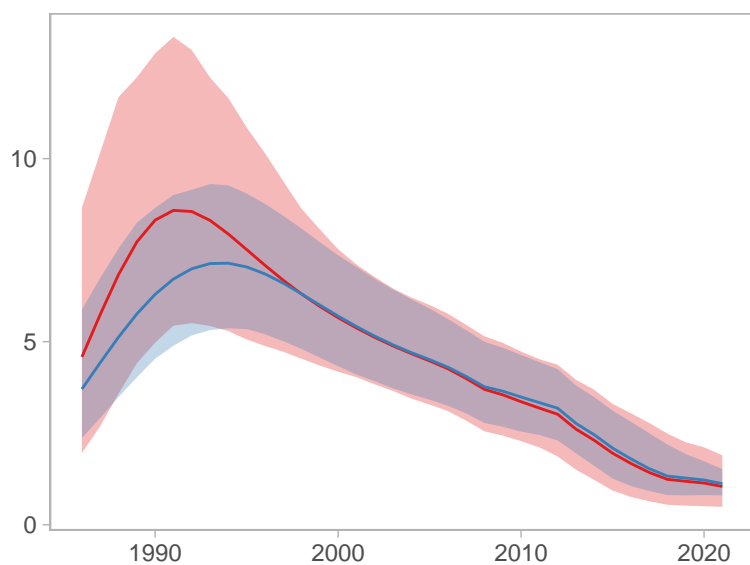
HIV prevalence



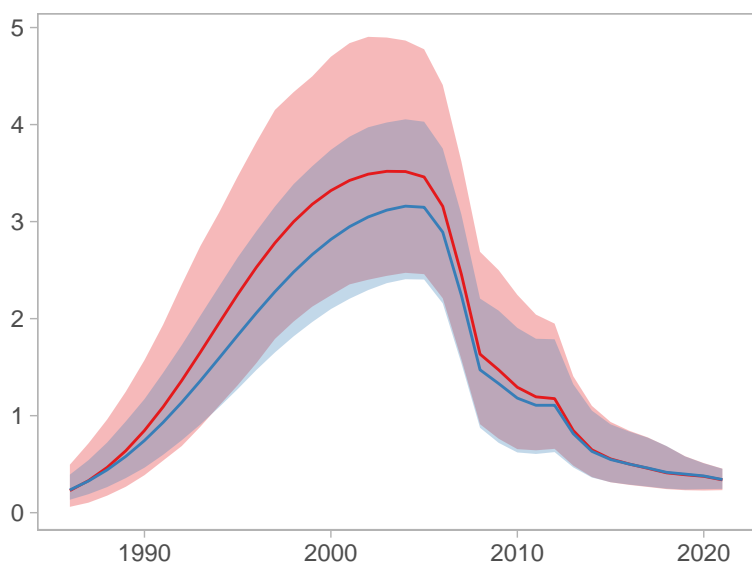
Pregnant women HIV prevalence



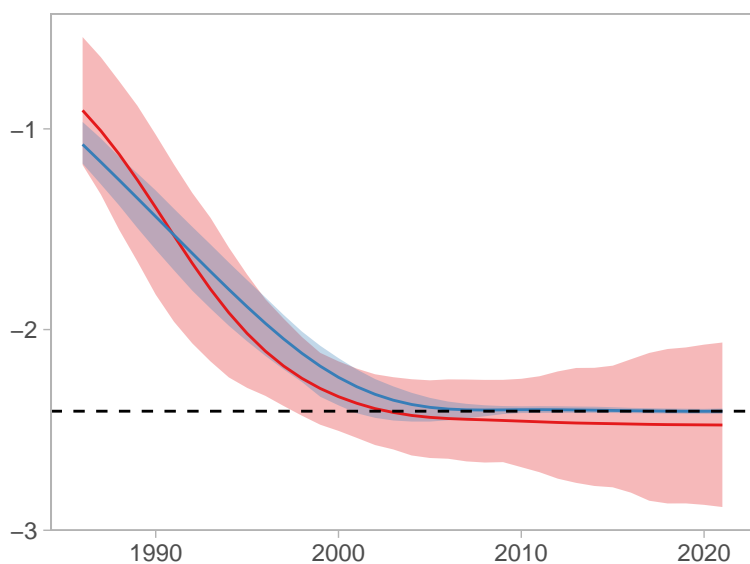
HIV incidence per 1000



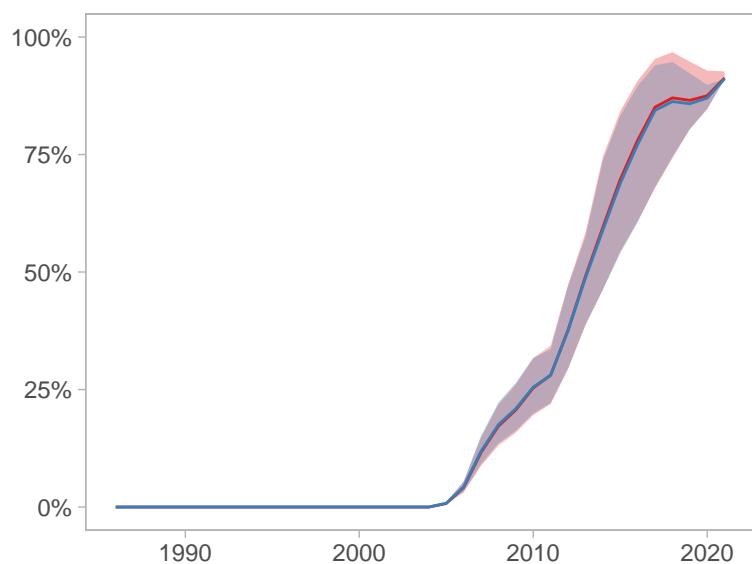
AIDS deaths per 1000 (age 15+)



log r(t)



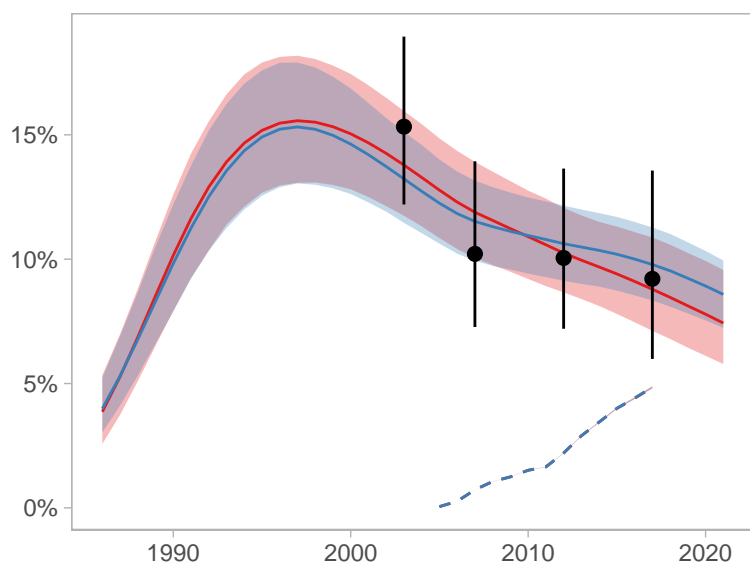
Adult (15+) ART coverage



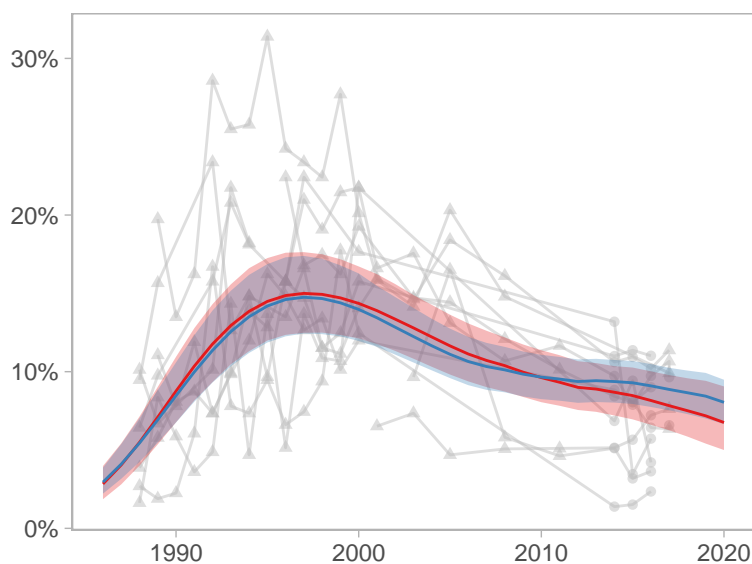
Model: — r-hybrid — r-spline

United Republic of Tanzania – Mbeya

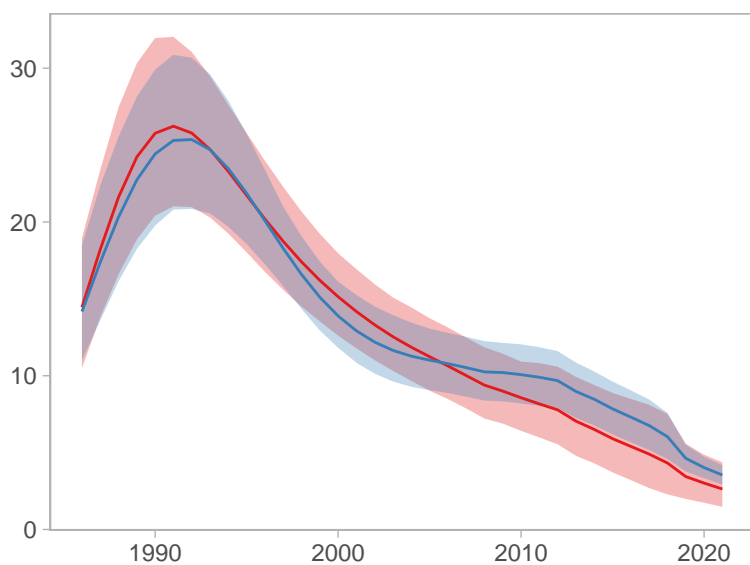
HIV prevalence



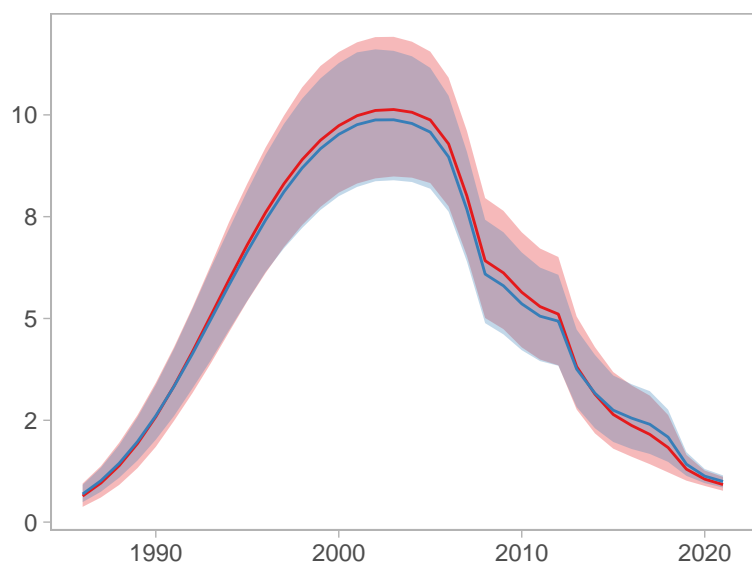
Pregnant women HIV prevalence



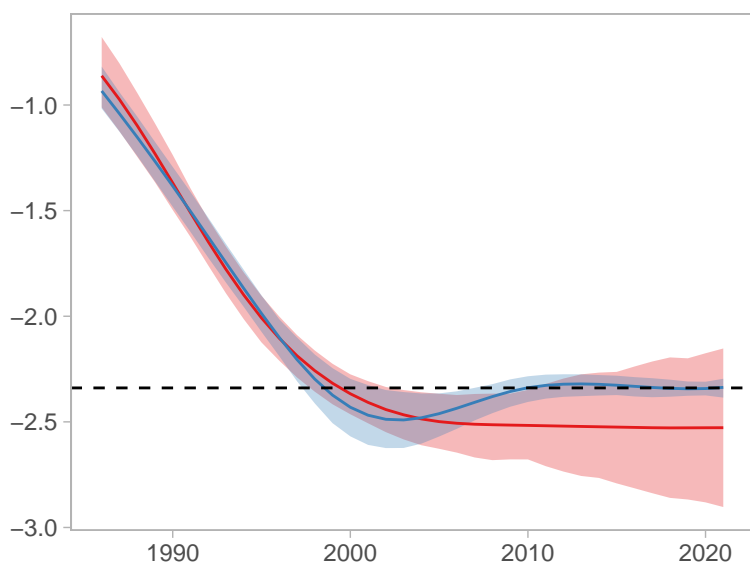
HIV incidence per 1000



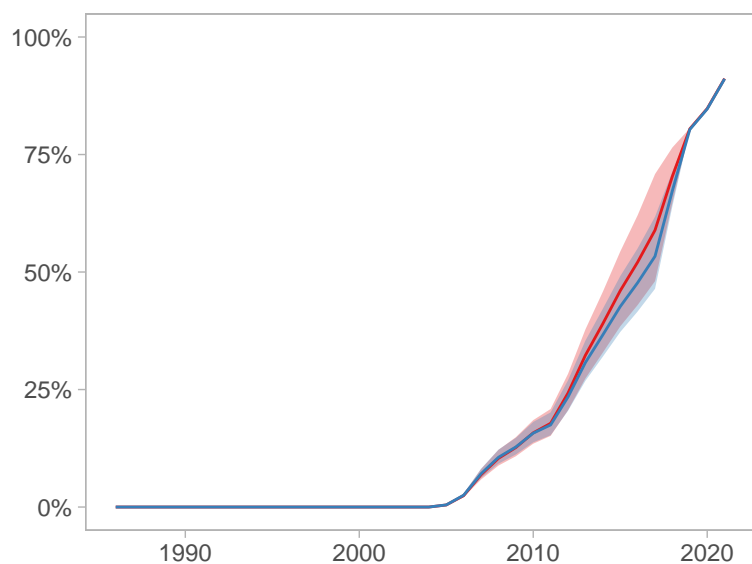
AIDS deaths per 1000 (age 15+)



log r(t)



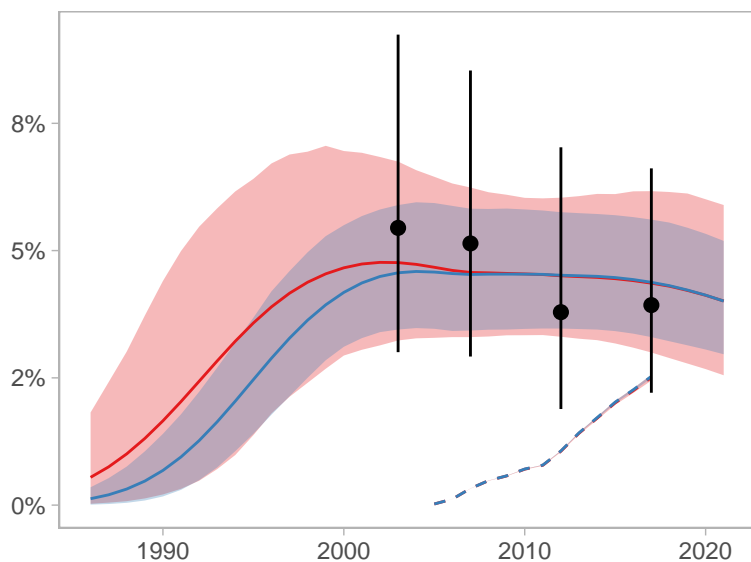
Adult (15+) ART coverage



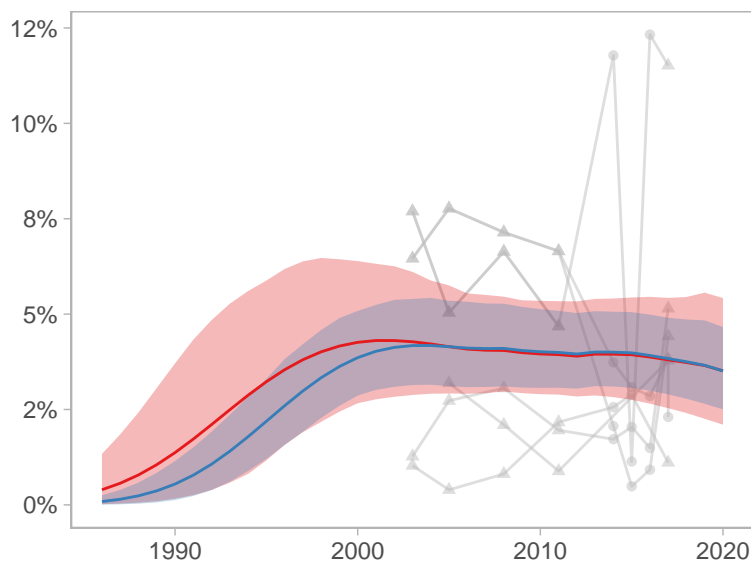
Model: — r-hybrid — r-spline

United Republic of Tanzania – Morogoro

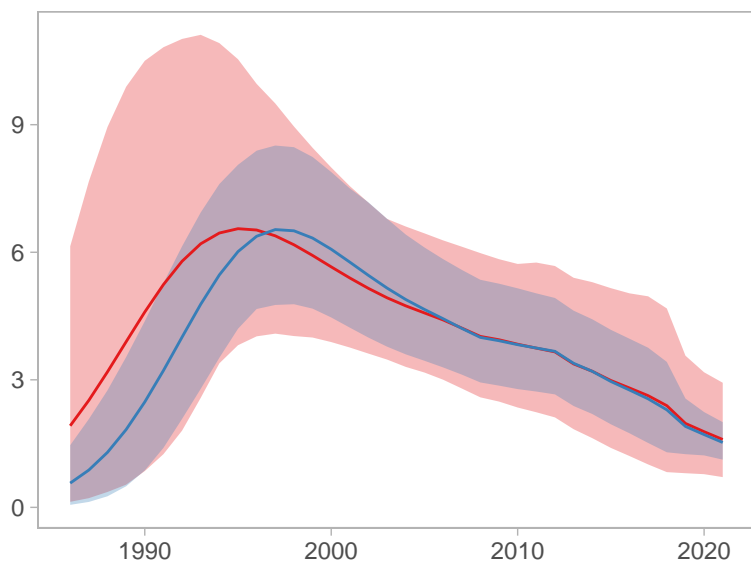
HIV prevalence



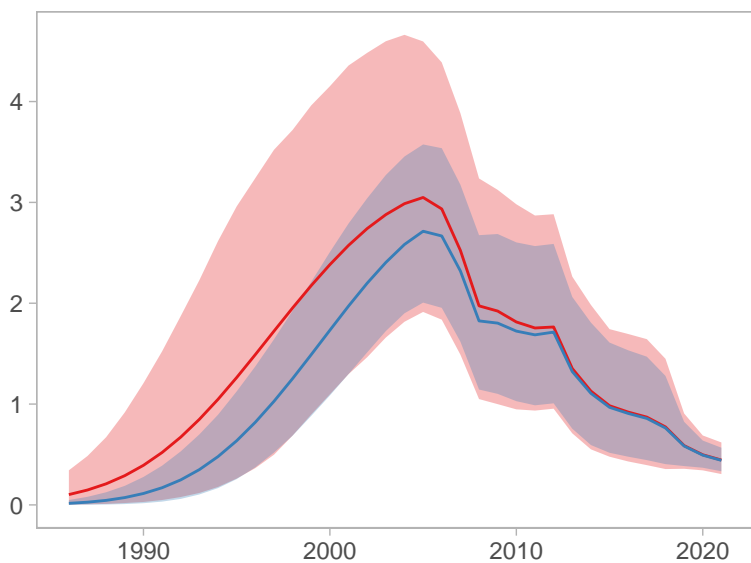
Pregnant women HIV prevalence



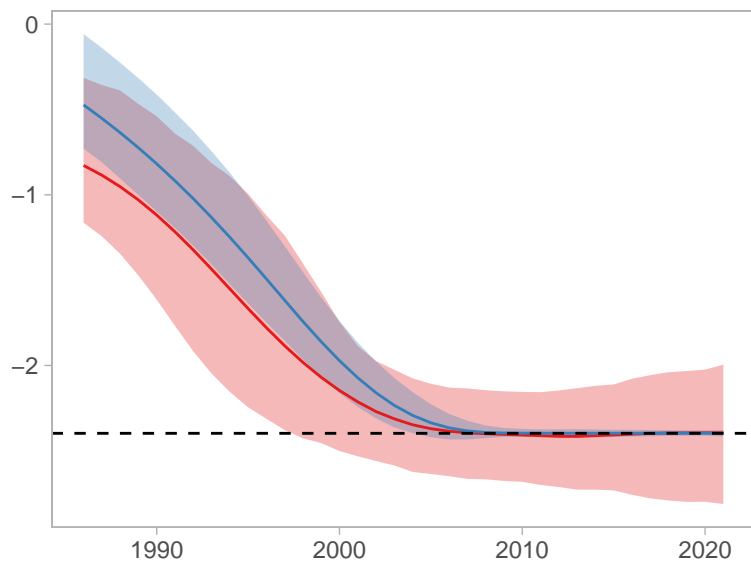
HIV incidence per 1000



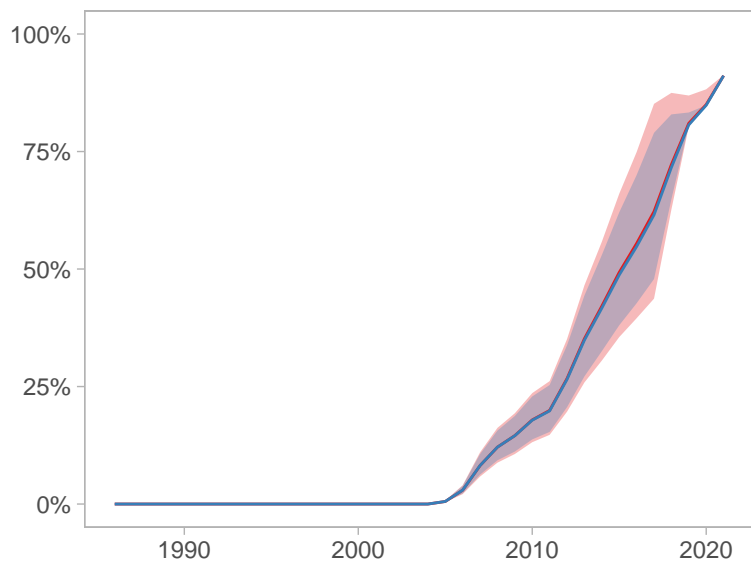
AIDS deaths per 1000 (age 15+)



log r(t)



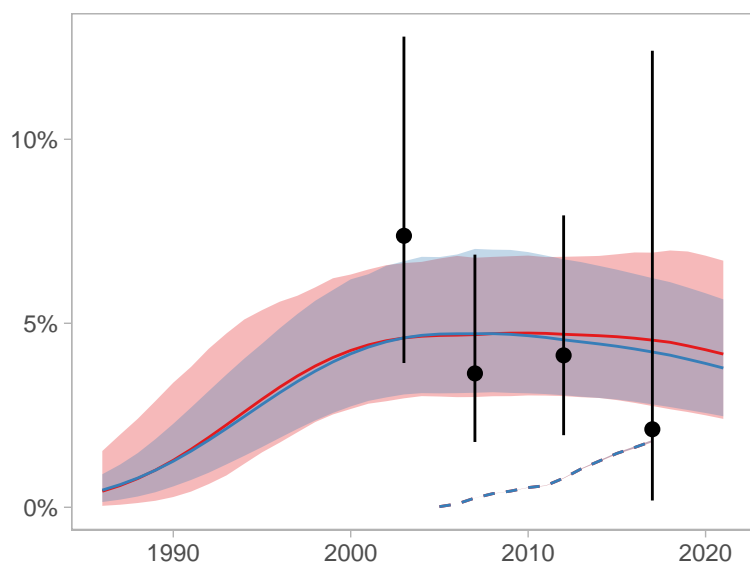
Adult (15+) ART coverage



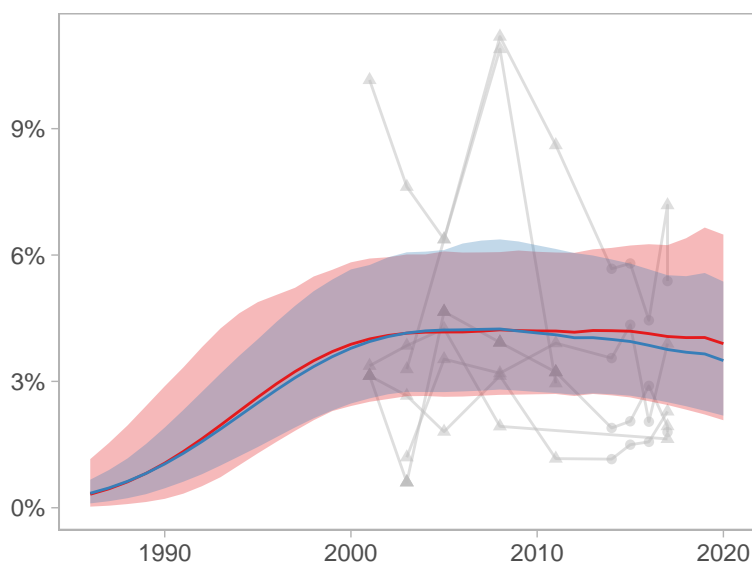
Model: — r-hybrid — r-spline

United Republic of Tanzania – Mtwara

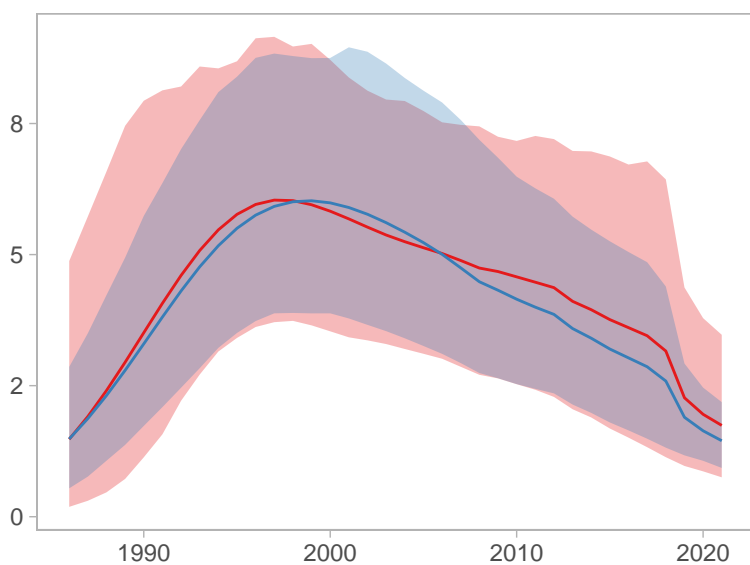
HIV prevalence



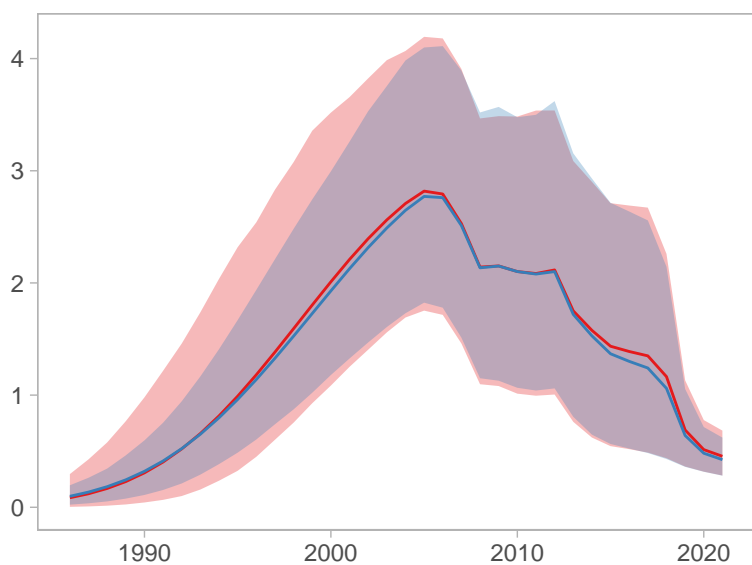
Pregnant women HIV prevalence



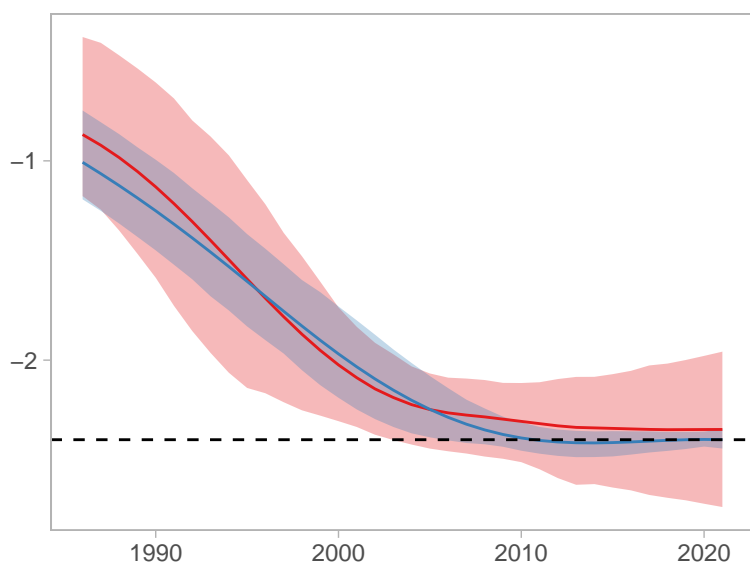
HIV incidence per 1000



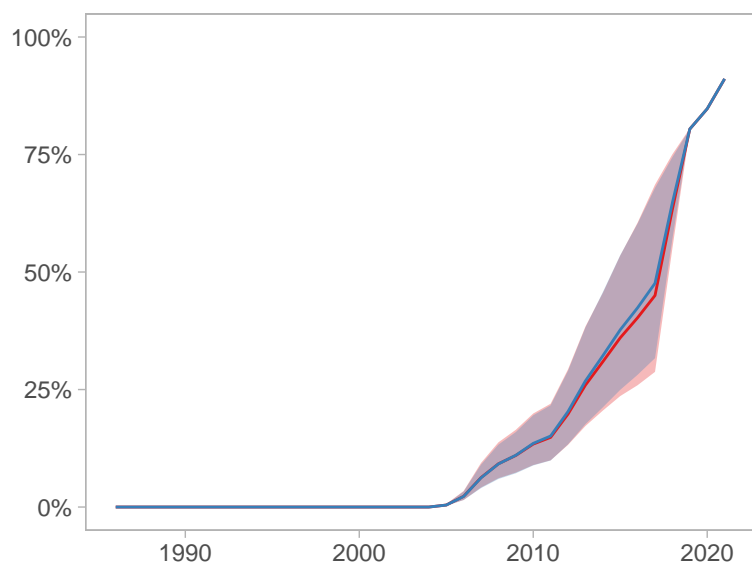
AIDS deaths per 1000 (age 15+)



log r(t)



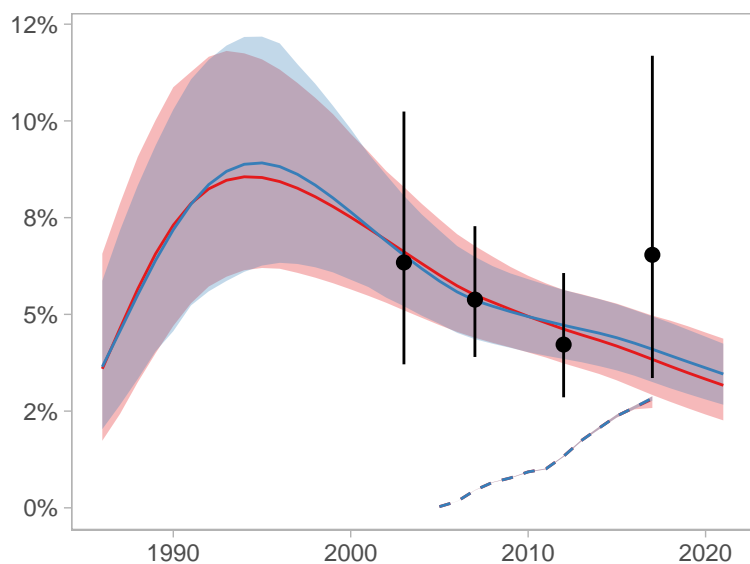
Adult (15+) ART coverage



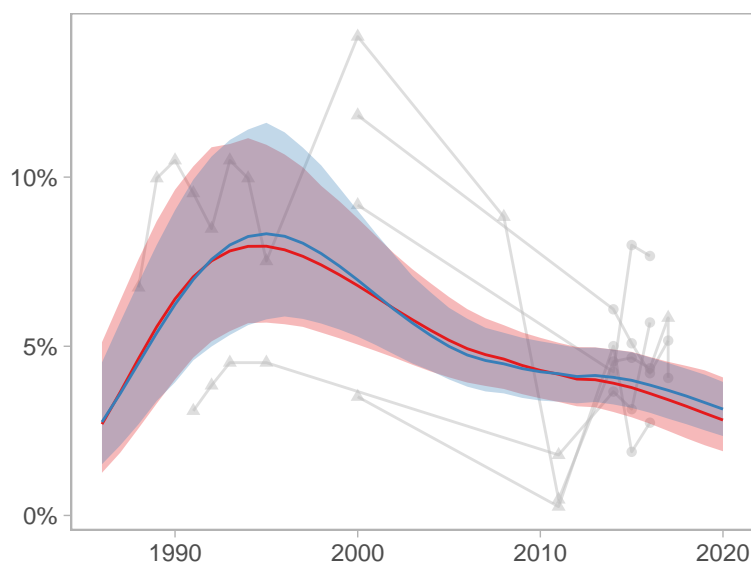
Model: — r-hybrid — r-spline

United Republic of Tanzania – Mwanza

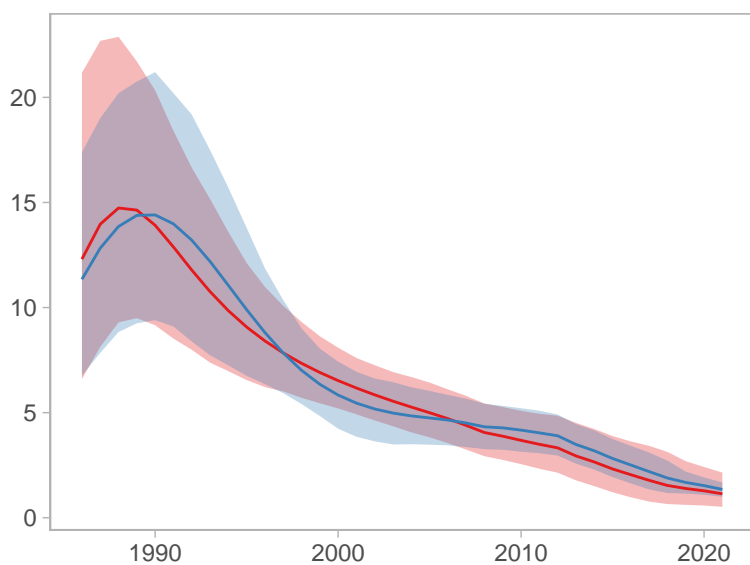
HIV prevalence



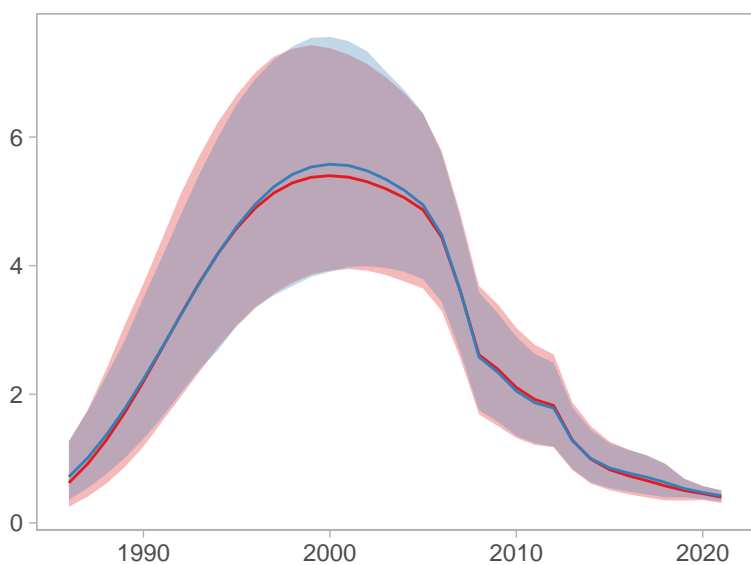
Pregnant women HIV prevalence



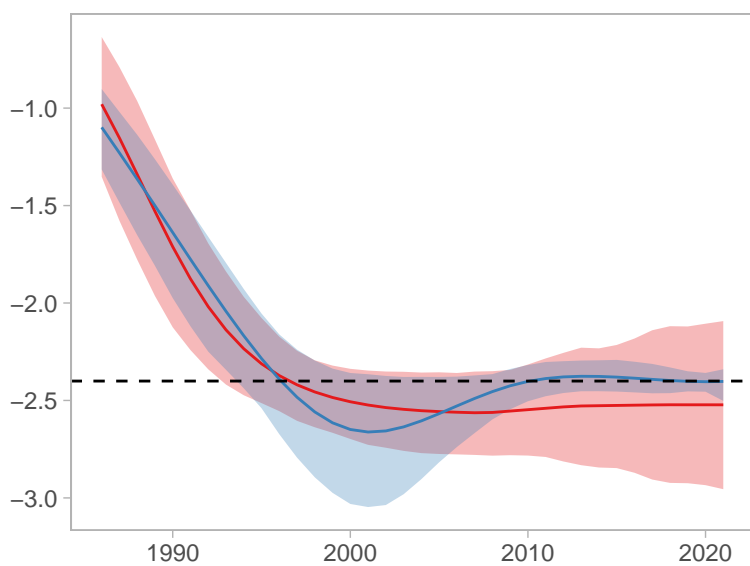
HIV incidence per 1000



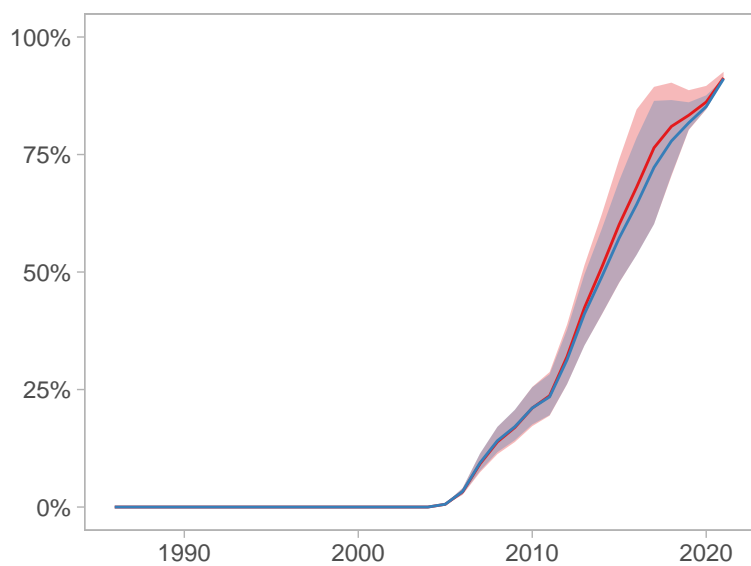
AIDS deaths per 1000 (age 15+)



log r(t)



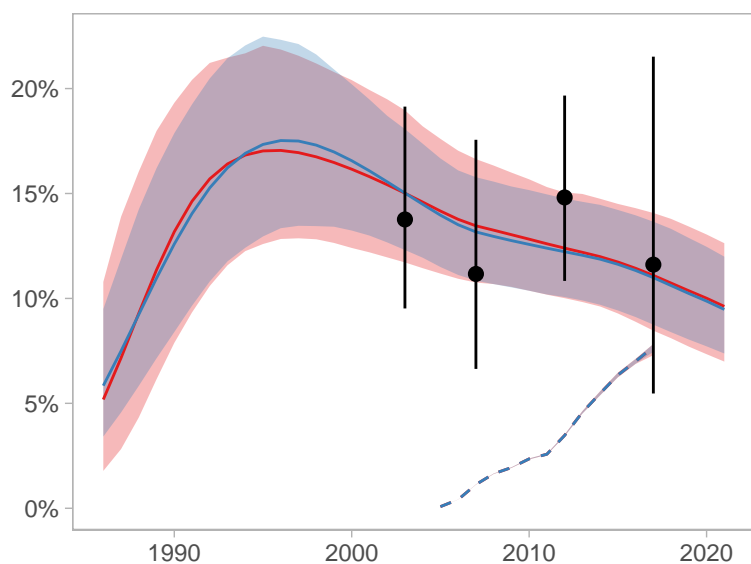
Adult (15+) ART coverage



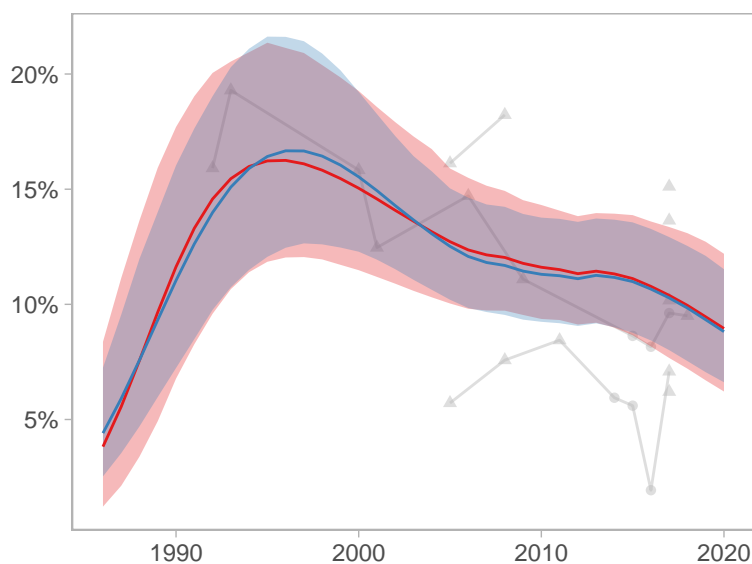
Model: — r-hybrid — r-spline

United Republic of Tanzania – Njombe

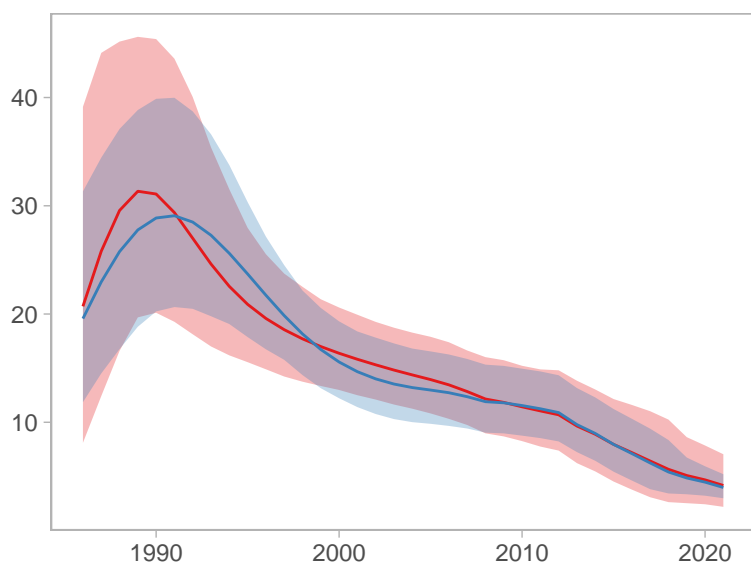
HIV prevalence



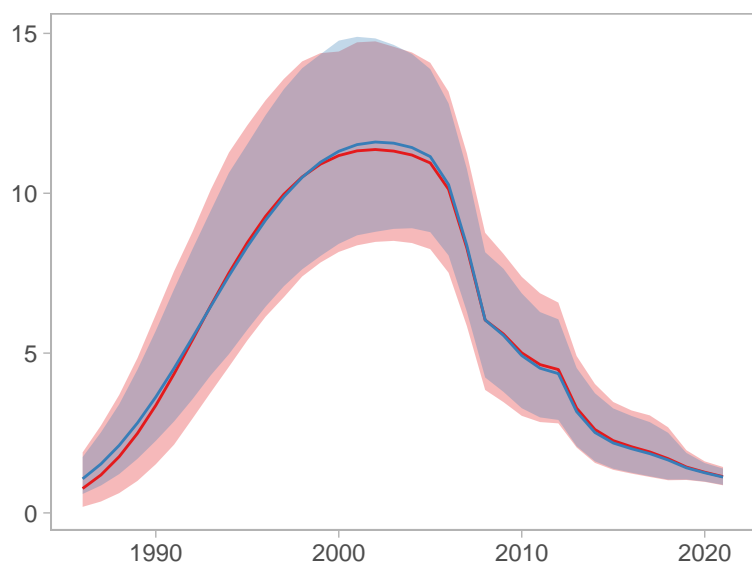
Pregnant women HIV prevalence



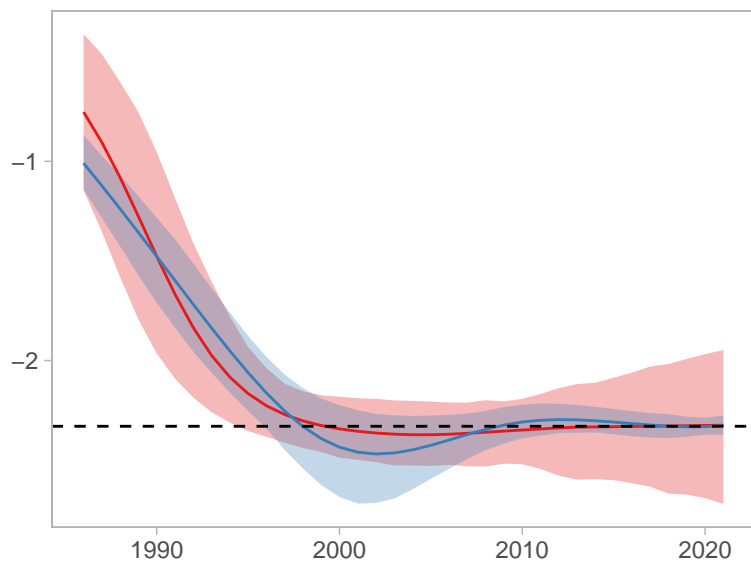
HIV incidence per 1000



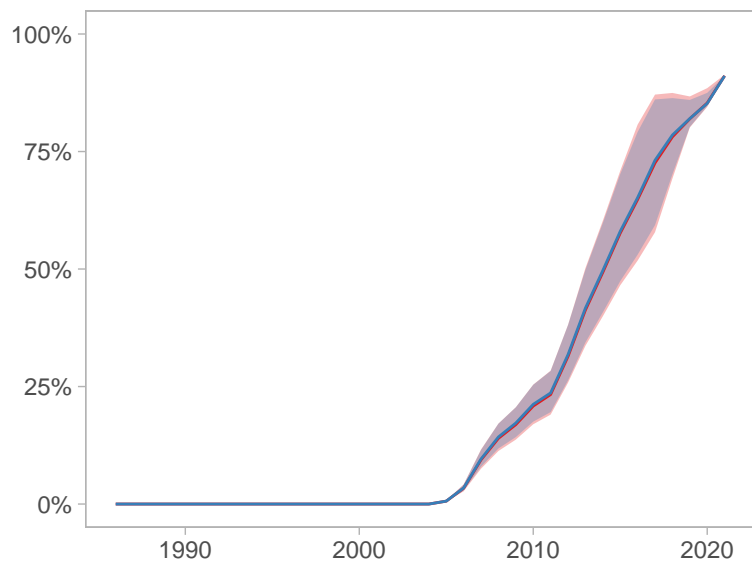
AIDS deaths per 1000 (age 15+)



log r(t)



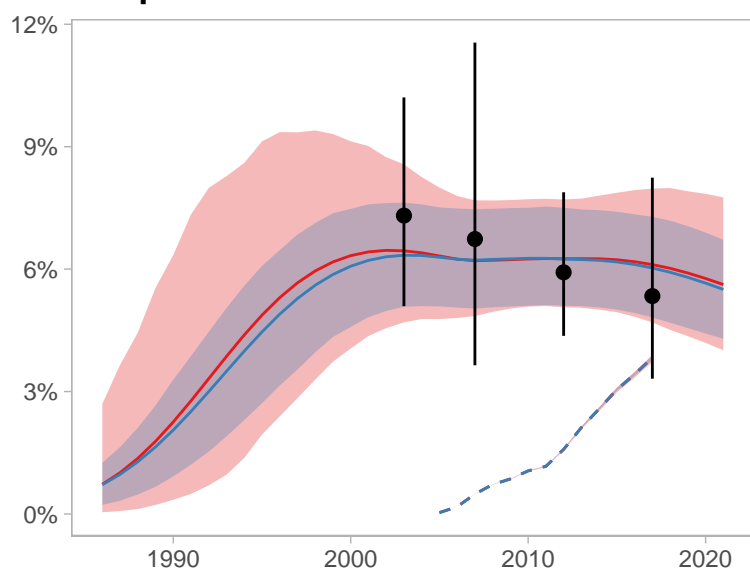
Adult (15+) ART coverage



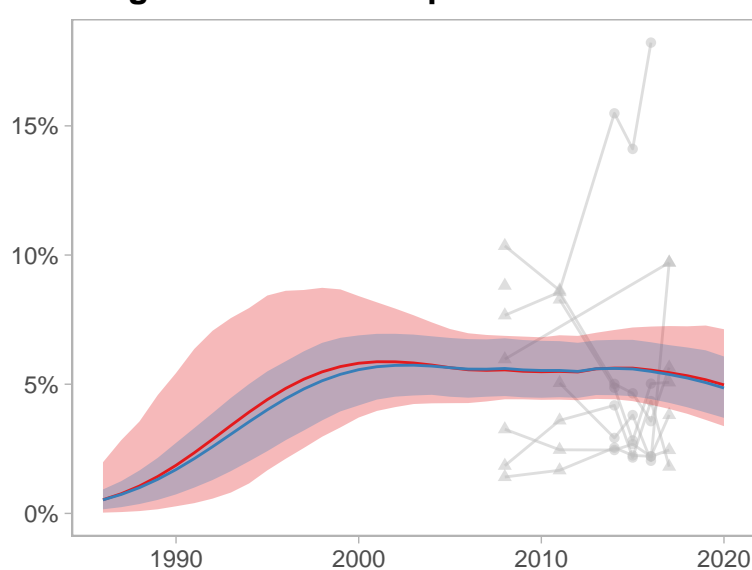
Model: — r-hybrid — r-spline

United Republic of Tanzania – Pwani

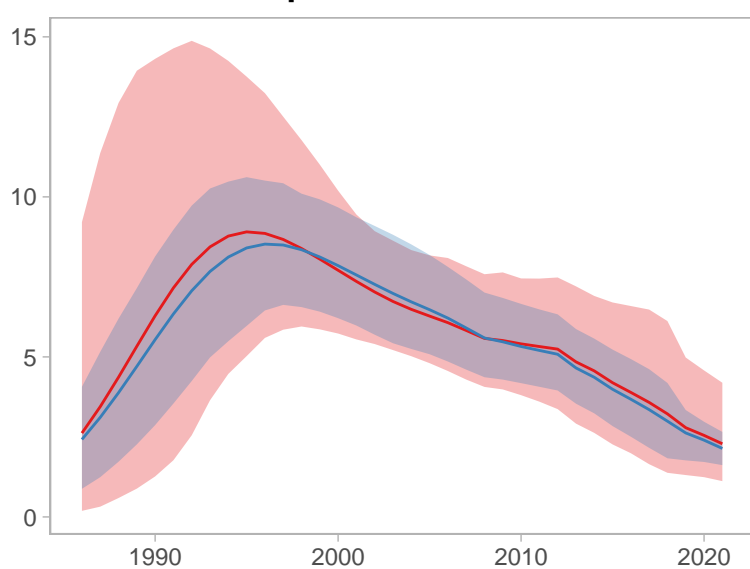
HIV prevalence



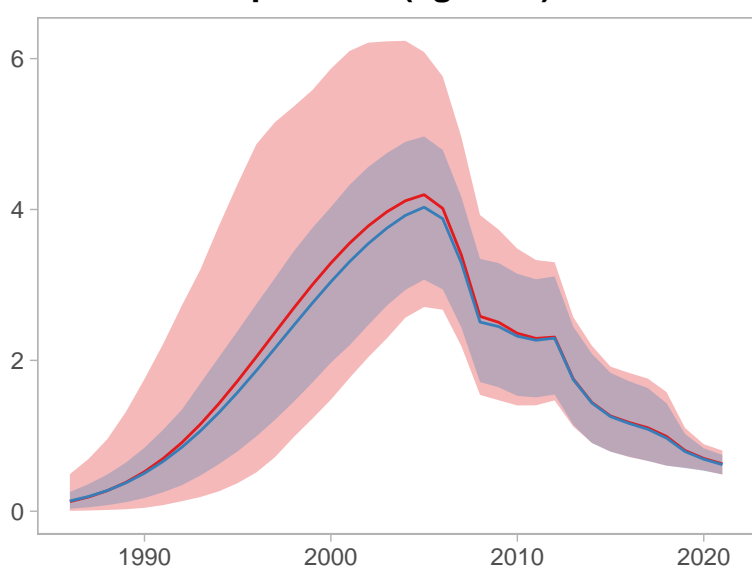
Pregnant women HIV prevalence



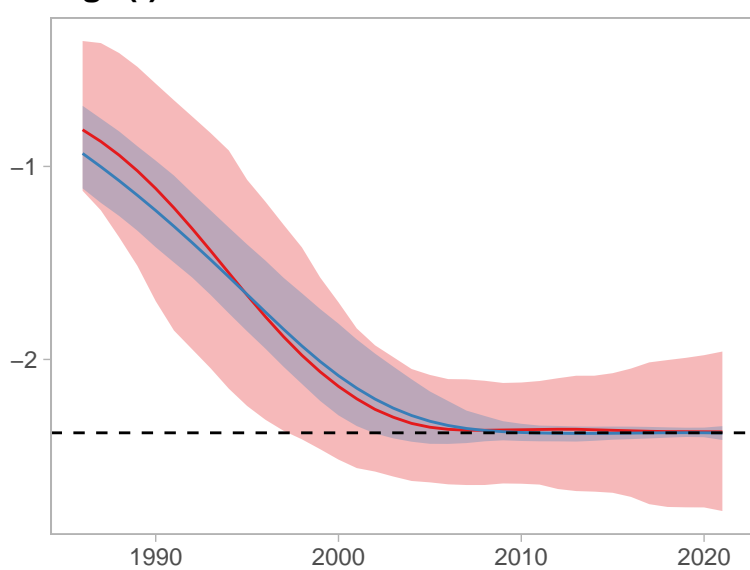
HIV incidence per 1000



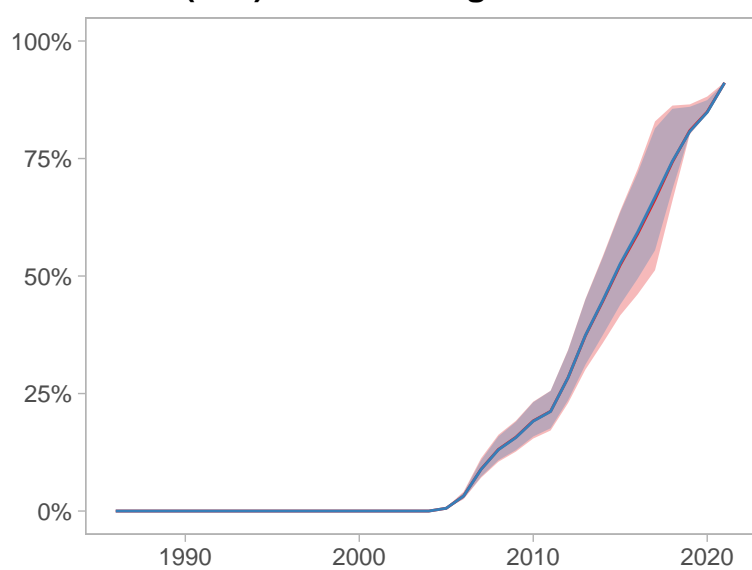
AIDS deaths per 1000 (age 15+)



log r(t)



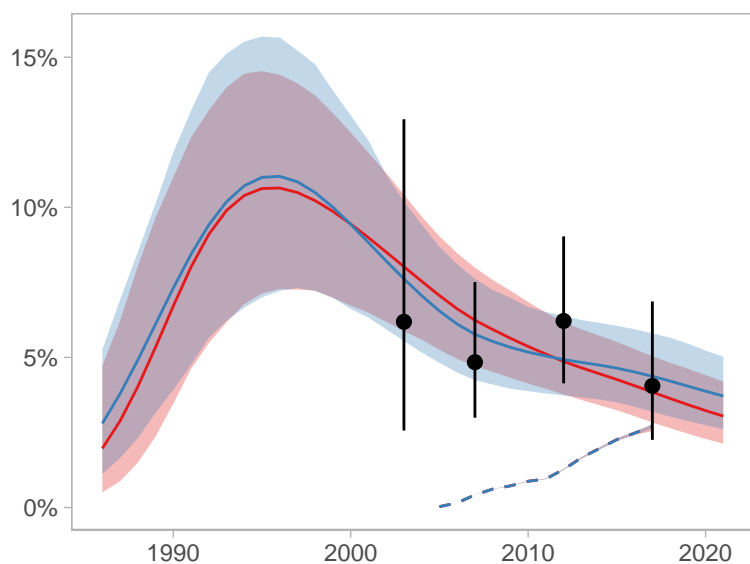
Adult (15+) ART coverage



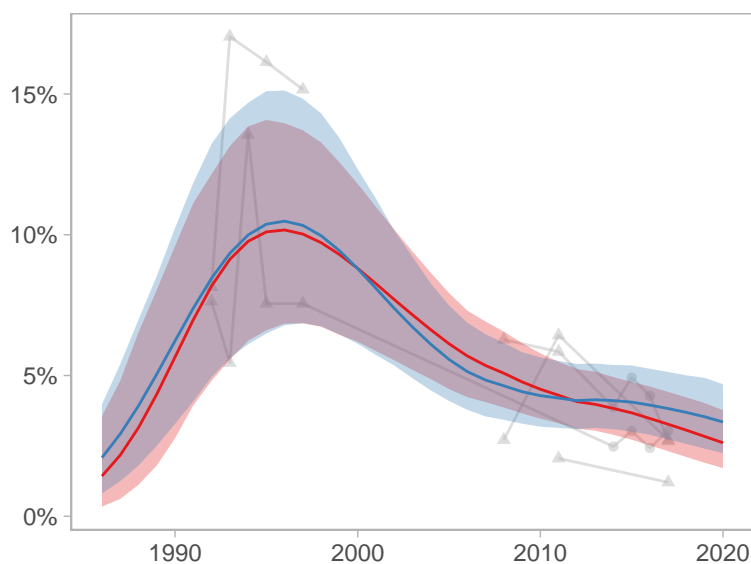
Model: — r-hybrid — r-spline

United Republic of Tanzania – Rukwa

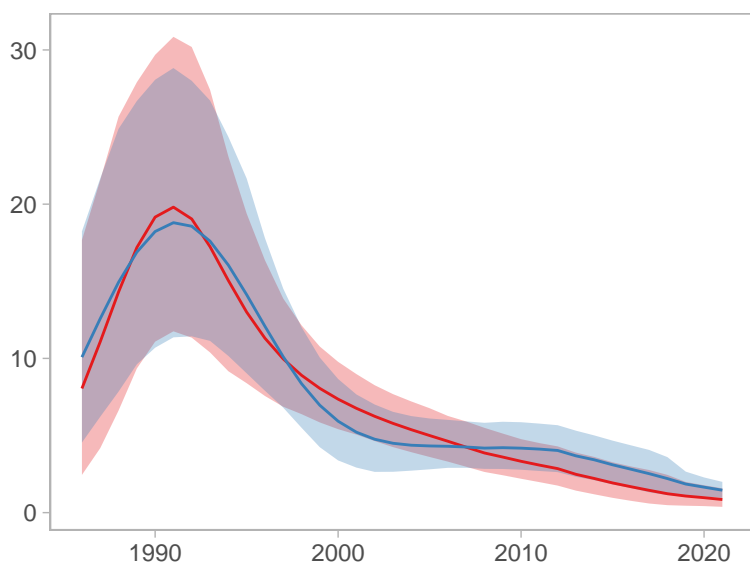
HIV prevalence



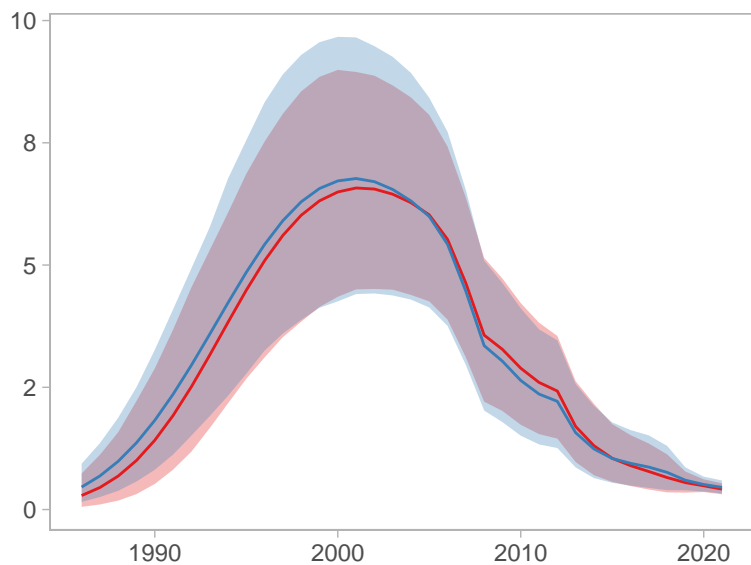
Pregnant women HIV prevalence



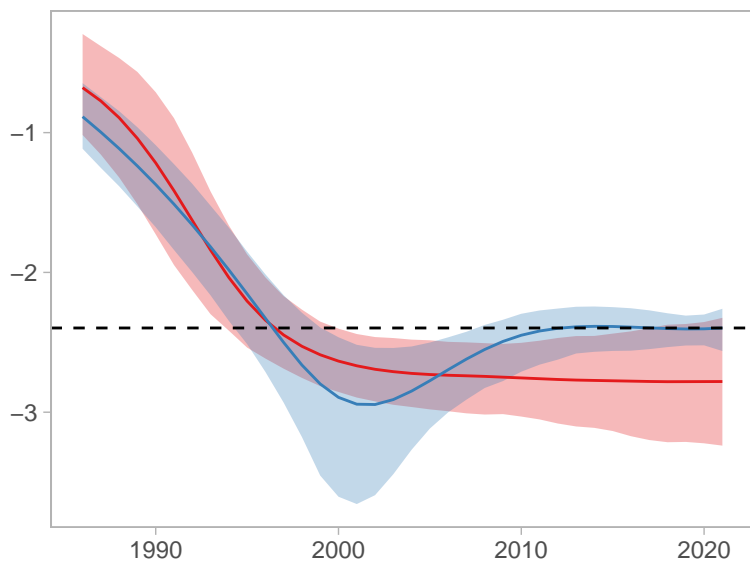
HIV incidence per 1000



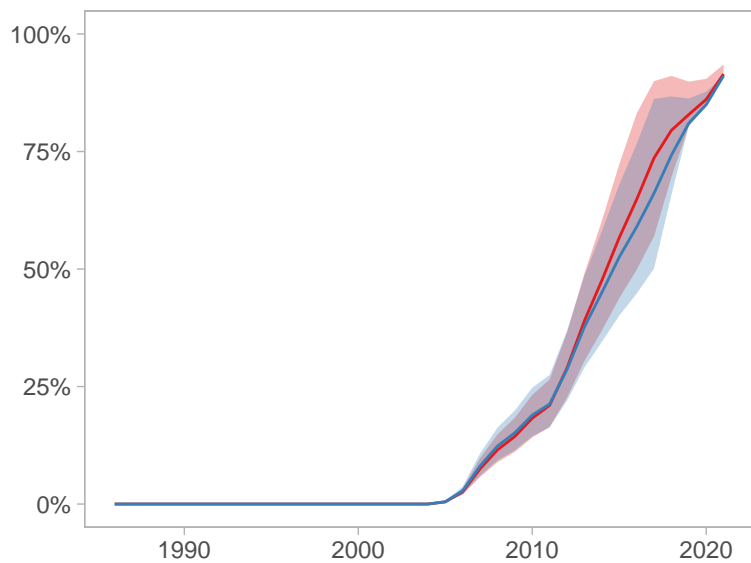
AIDS deaths per 1000 (age 15+)



log r(t)



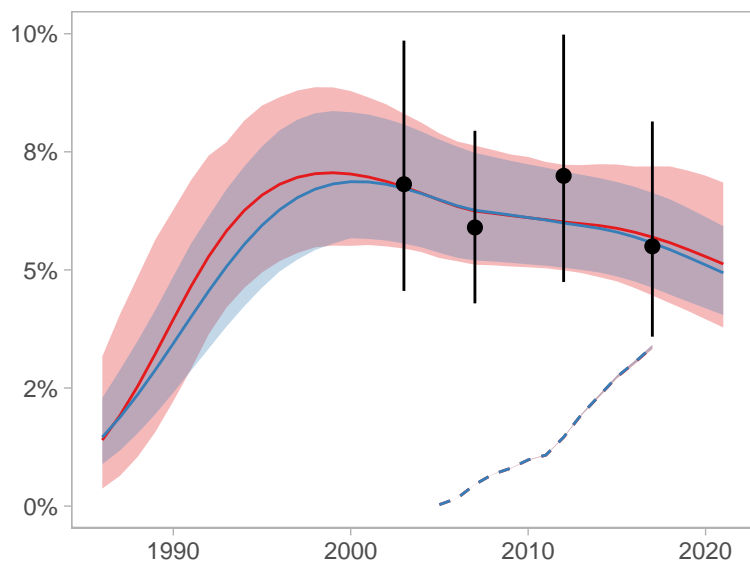
Adult (15+) ART coverage



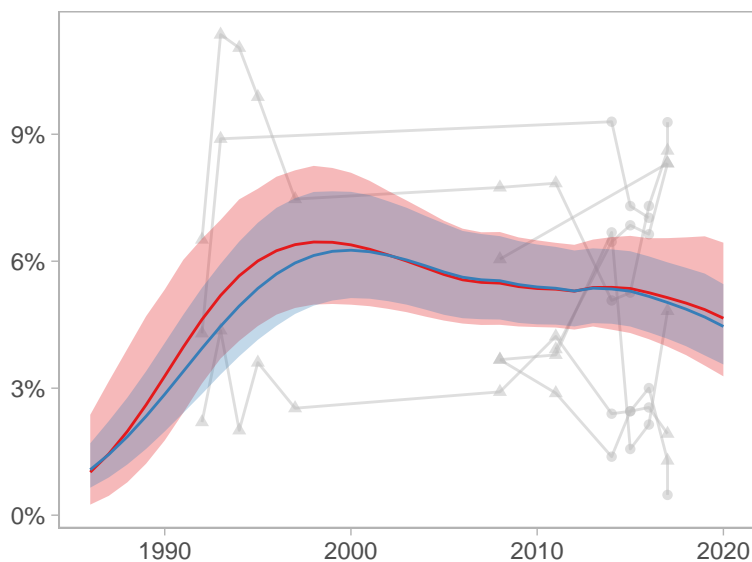
Model: — r-hybrid — r-spline

United Republic of Tanzania – Ruvuma

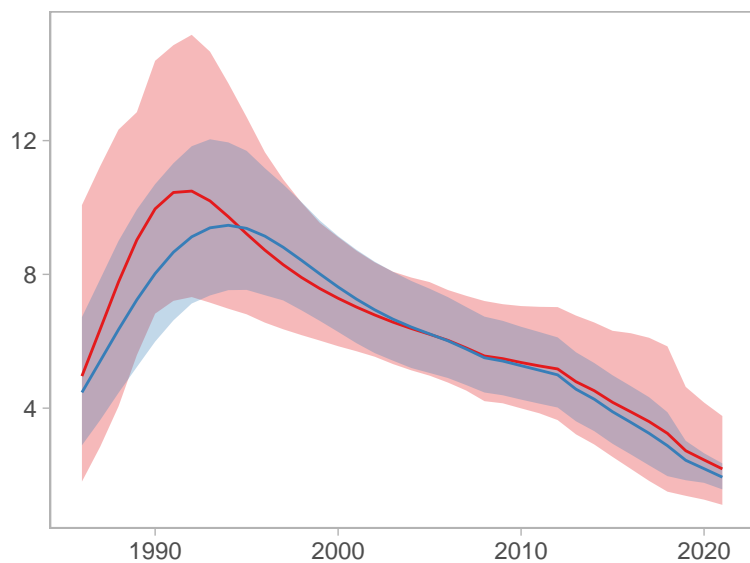
HIV prevalence



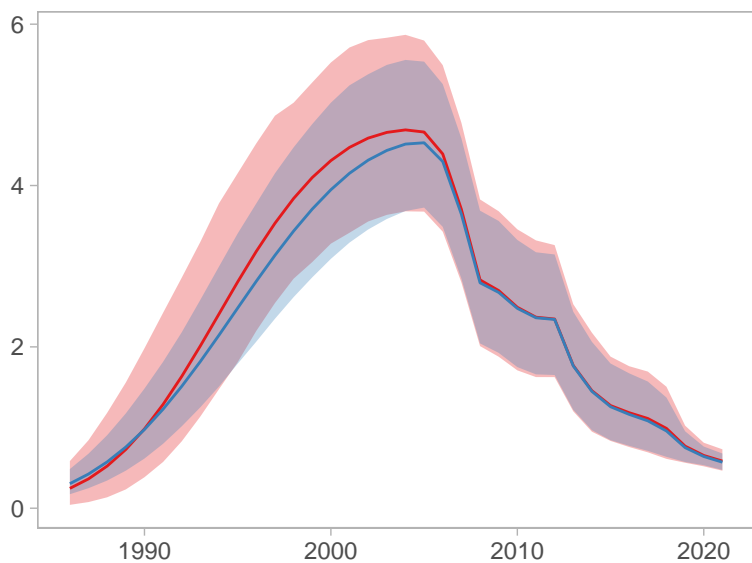
Pregnant women HIV prevalence



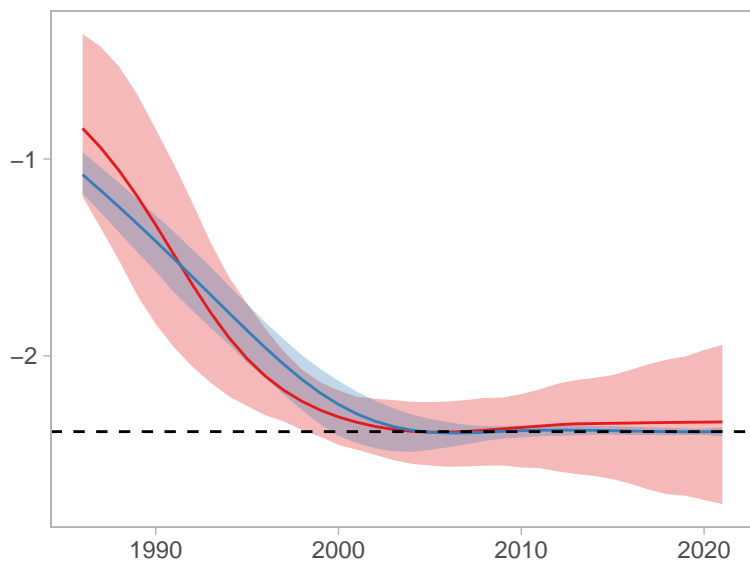
HIV incidence per 1000



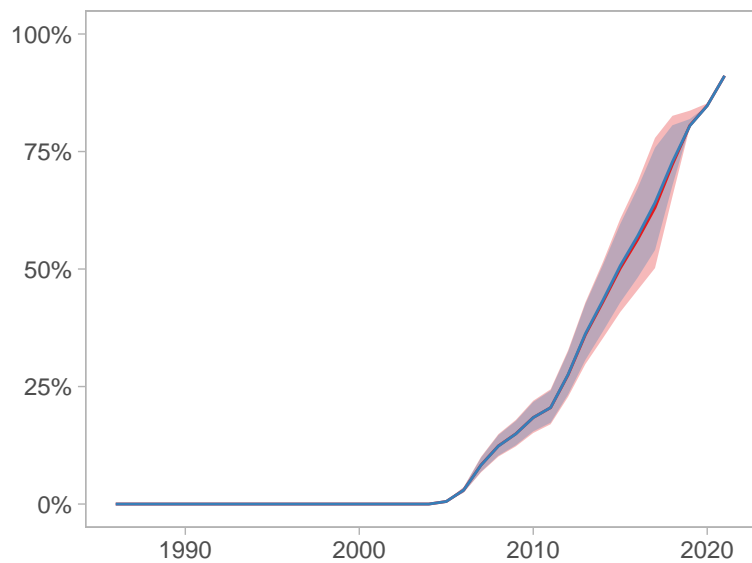
AIDS deaths per 1000 (age 15+)



log r(t)



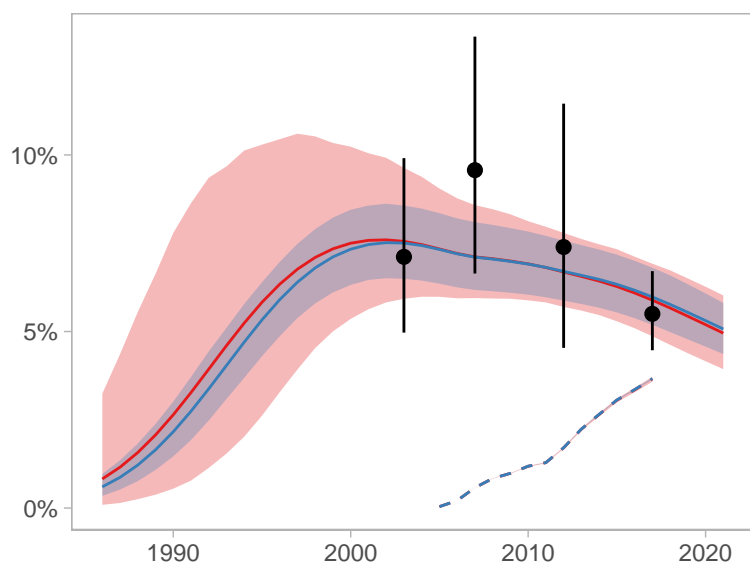
Adult (15+) ART coverage



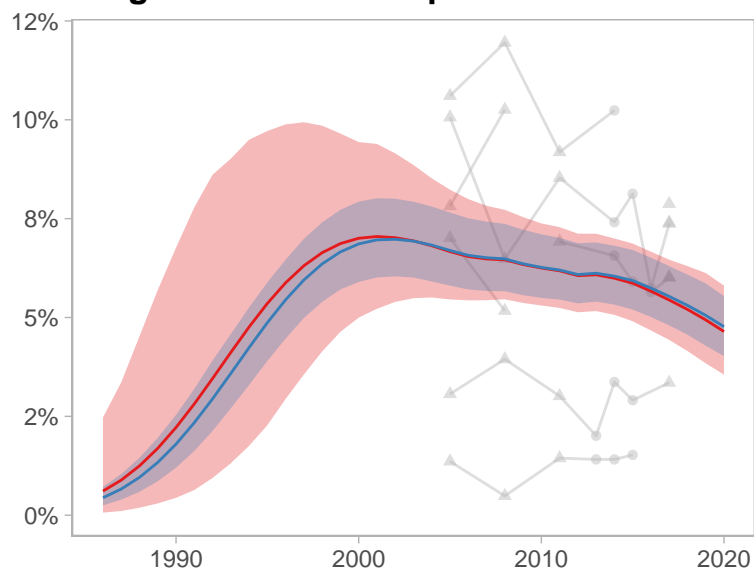
Model: — r-hybrid — r-spline

United Republic of Tanzania – Shinyaga

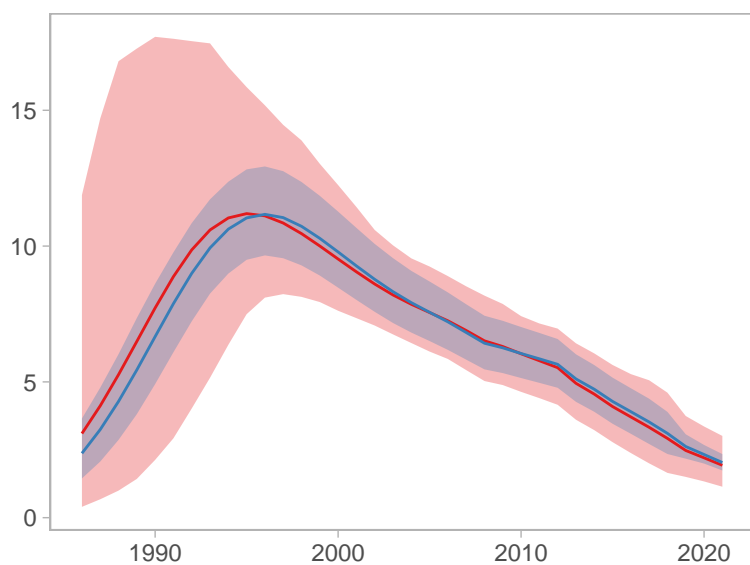
HIV prevalence



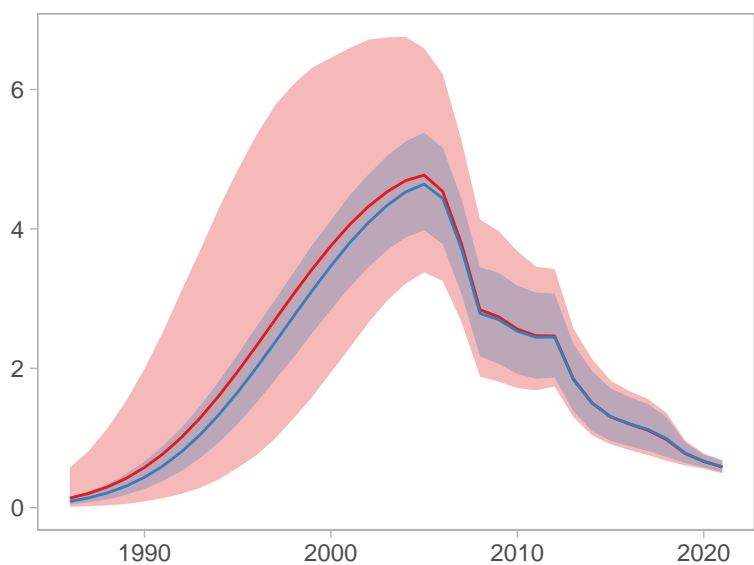
Pregnant women HIV prevalence



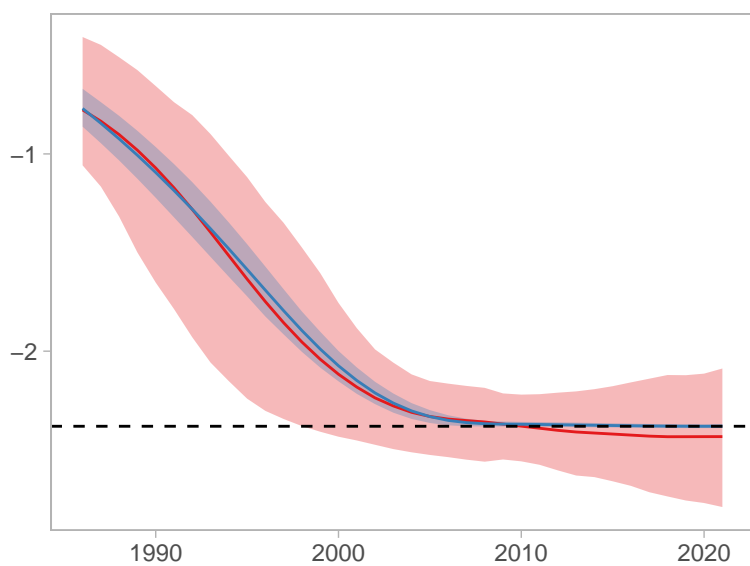
HIV incidence per 1000



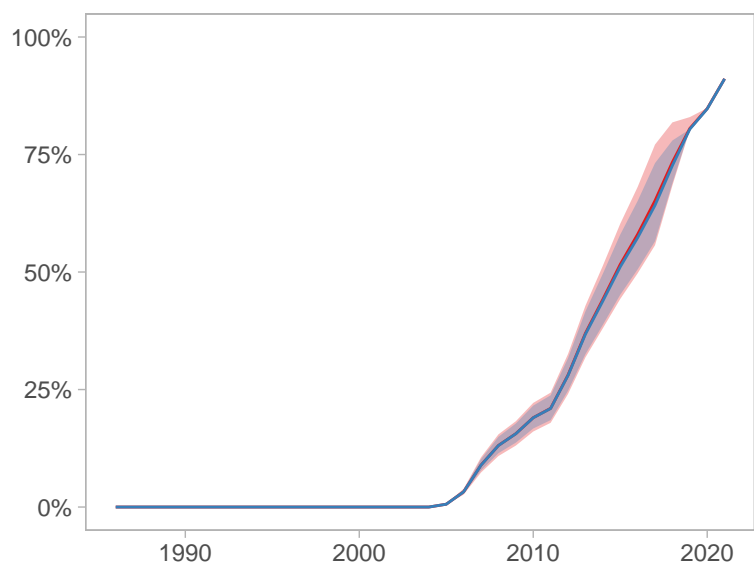
AIDS deaths per 1000 (age 15+)



log r(t)



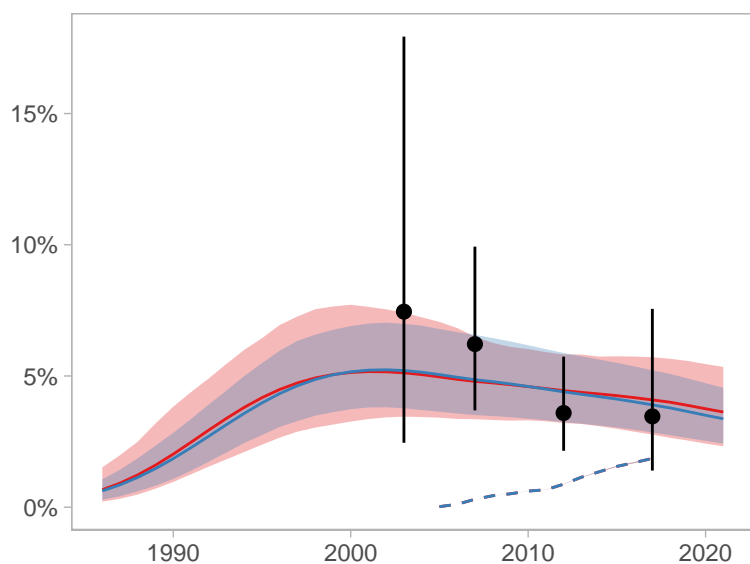
Adult (15+) ART coverage



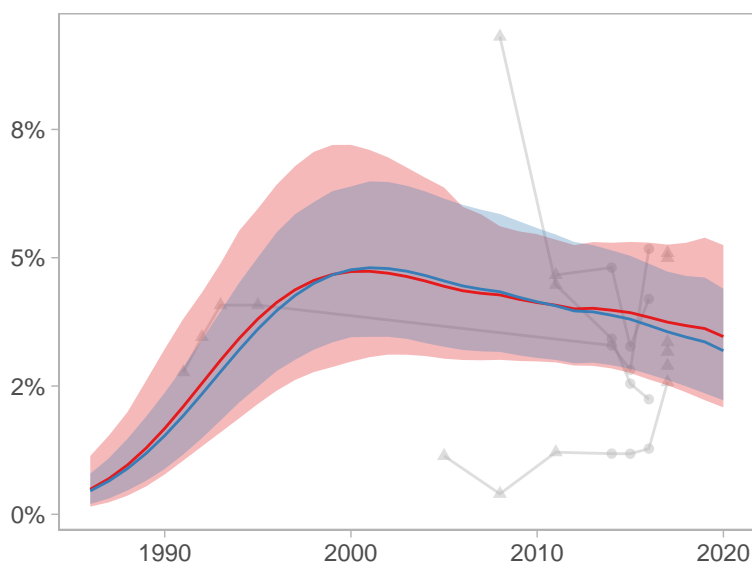
Model: — r-hybrid — r-spline

United Republic of Tanzania – Simiyu

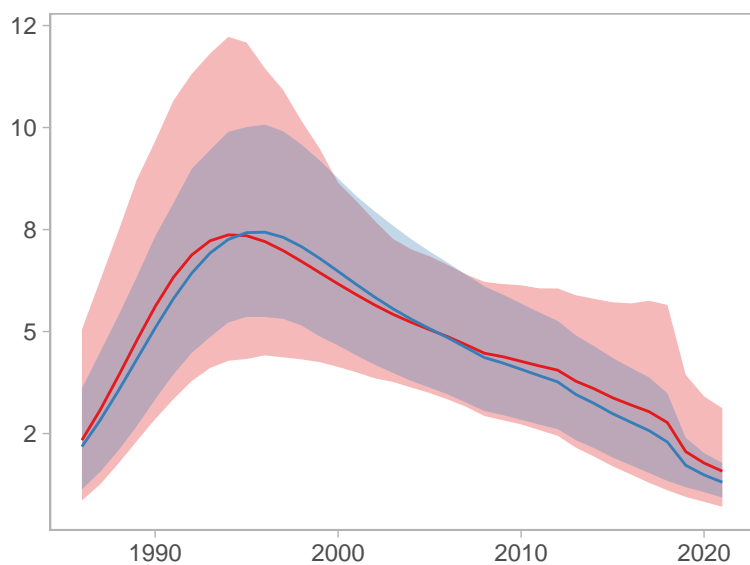
HIV prevalence



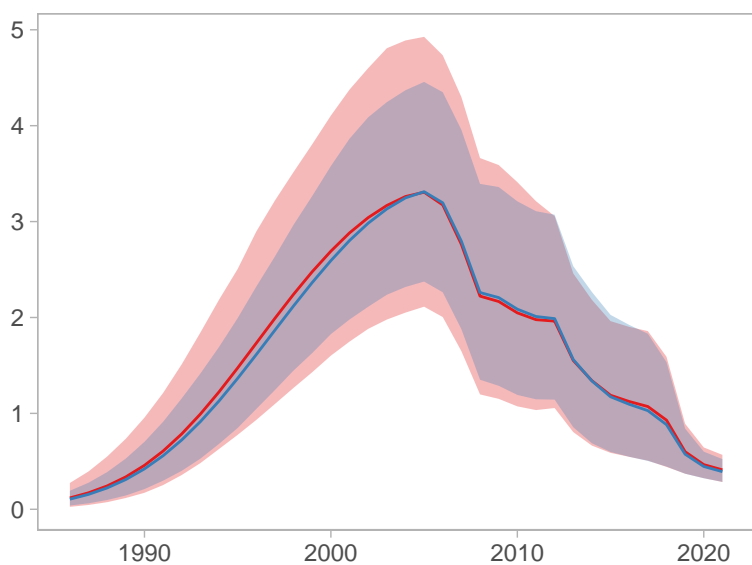
Pregnant women HIV prevalence



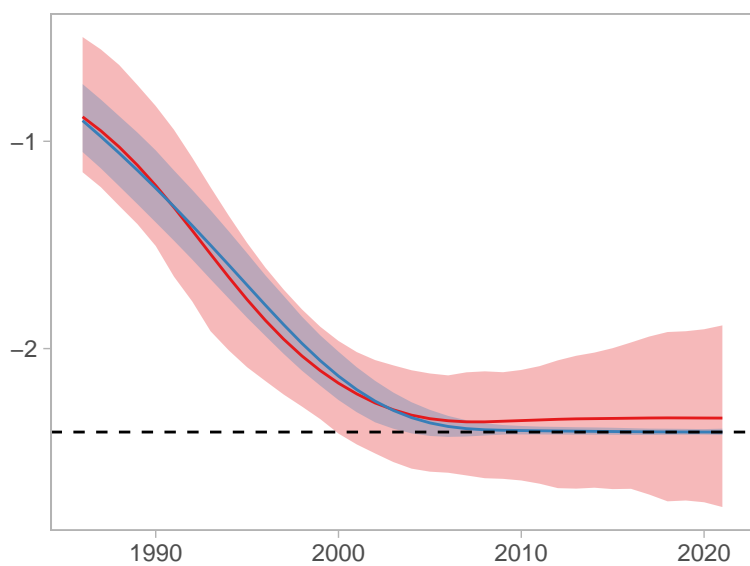
HIV incidence per 1000



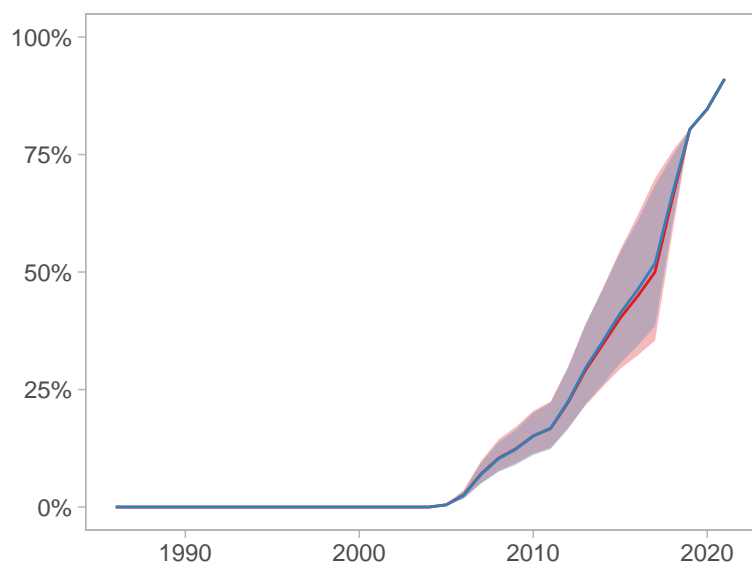
AIDS deaths per 1000 (age 15+)



log r(t)



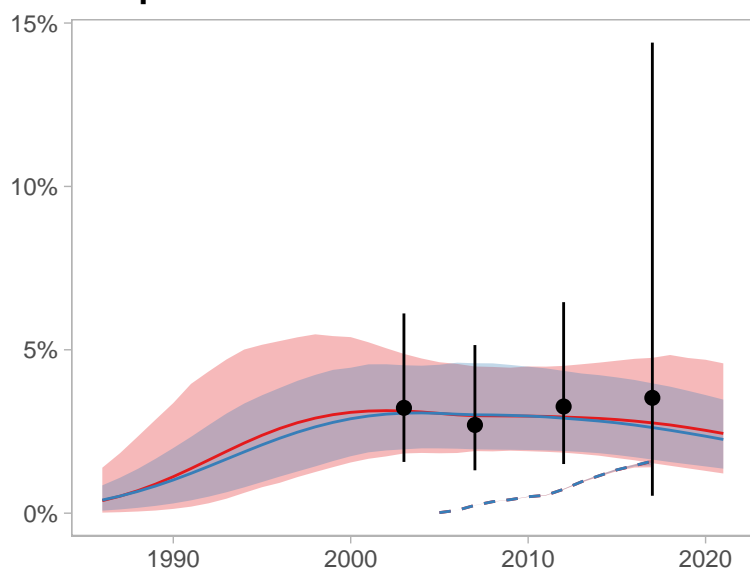
Adult (15+) ART coverage



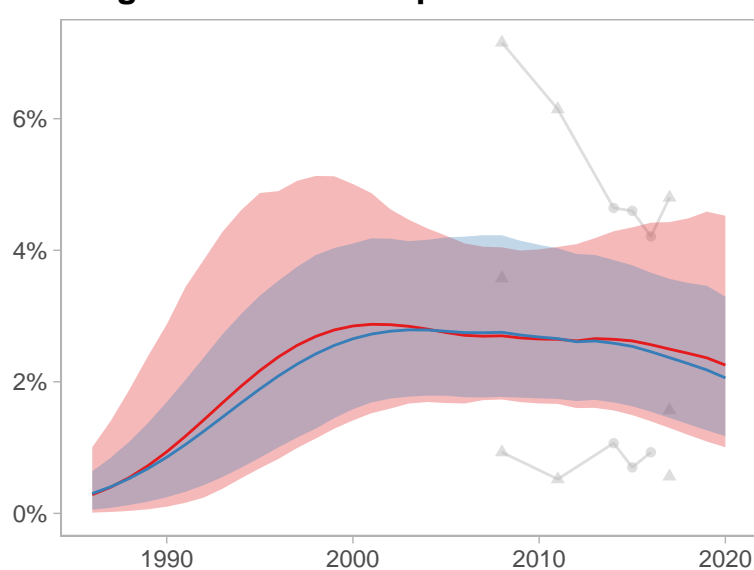
Model: — r-hybrid — r-spline

United Republic of Tanzania – Singida

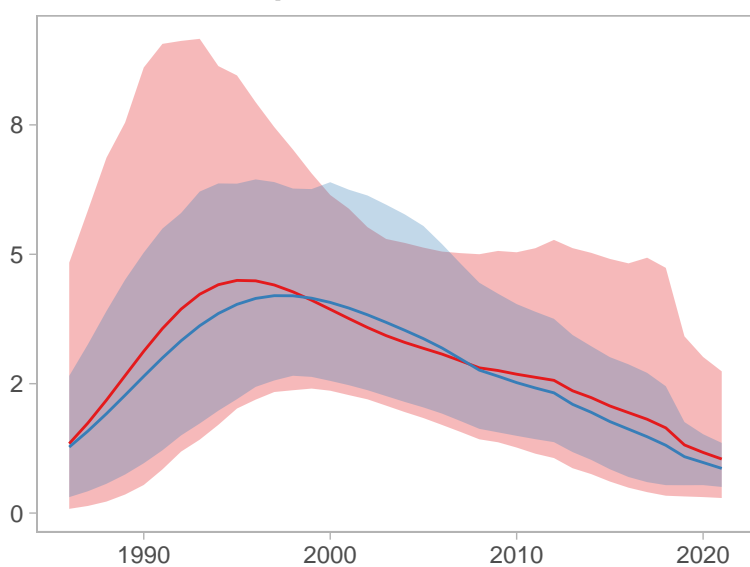
HIV prevalence



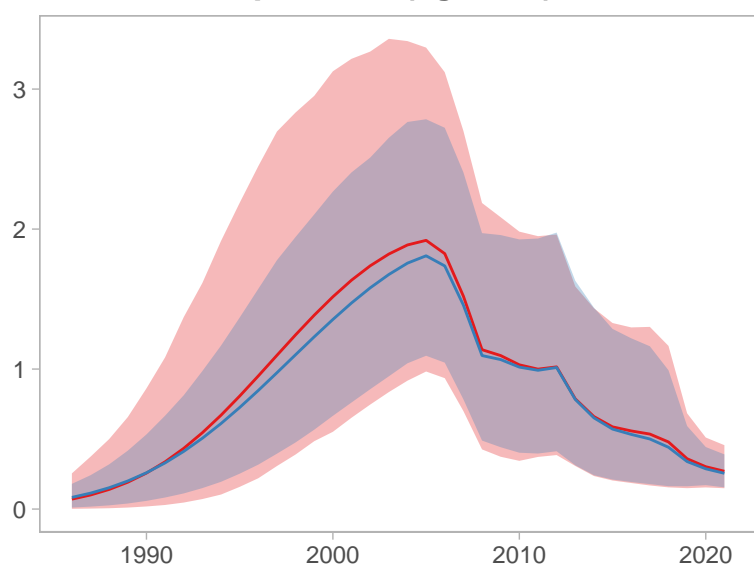
Pregnant women HIV prevalence



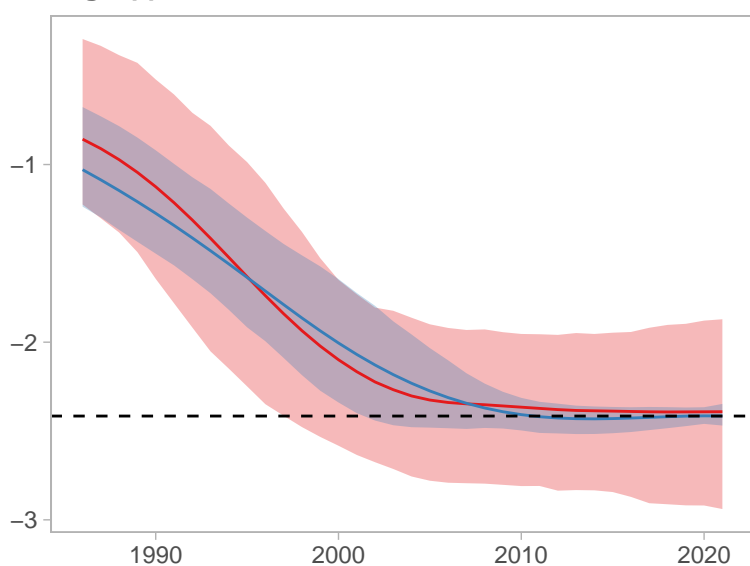
HIV incidence per 1000



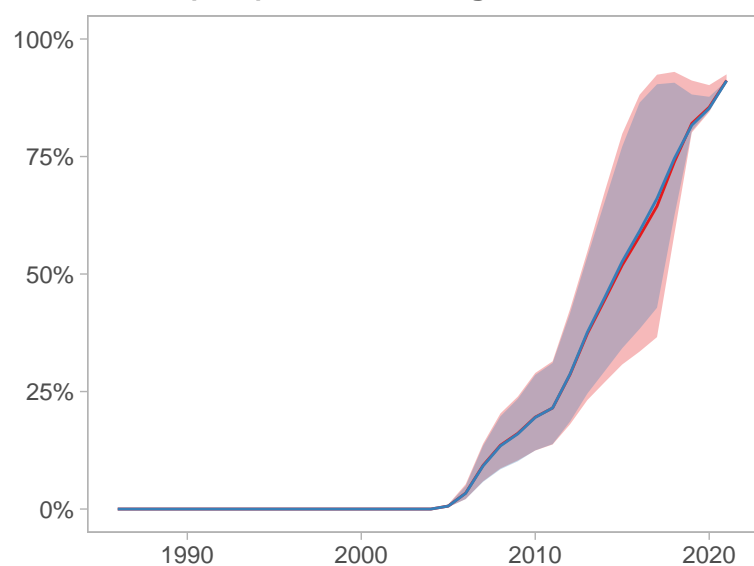
AIDS deaths per 1000 (age 15+)



log r(t)



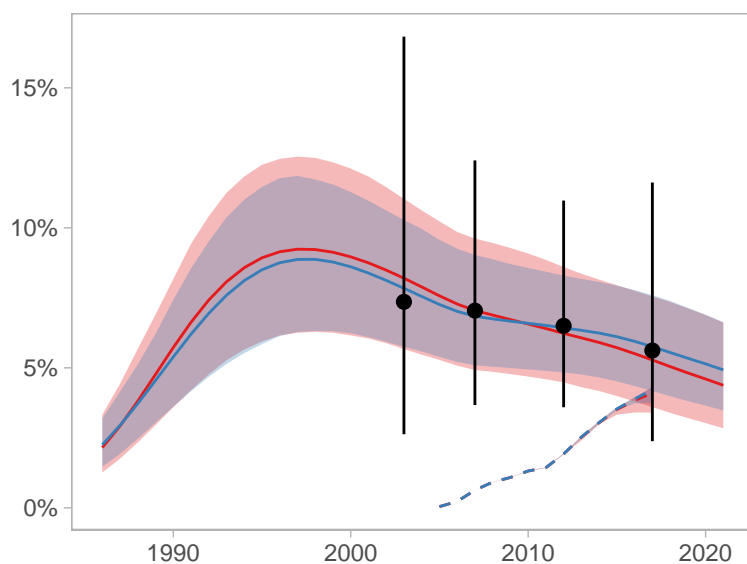
Adult (15+) ART coverage



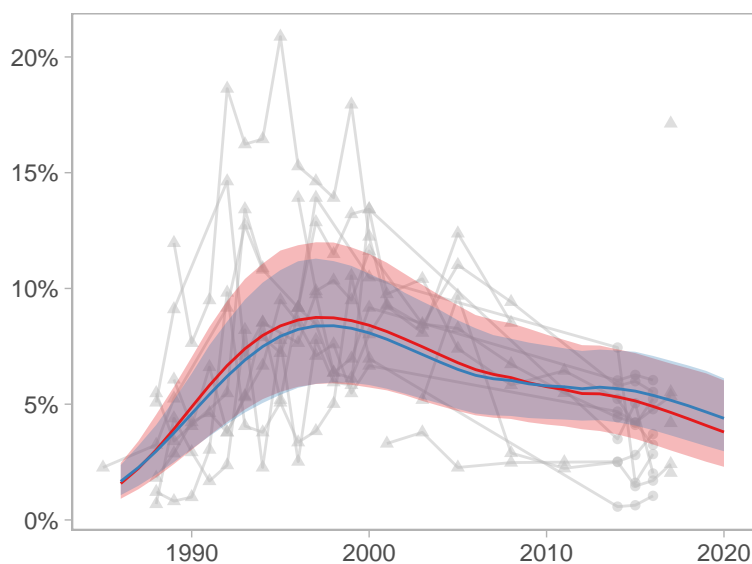
Model: — r-hybrid — r-spline

United Republic of Tanzania – Songwe

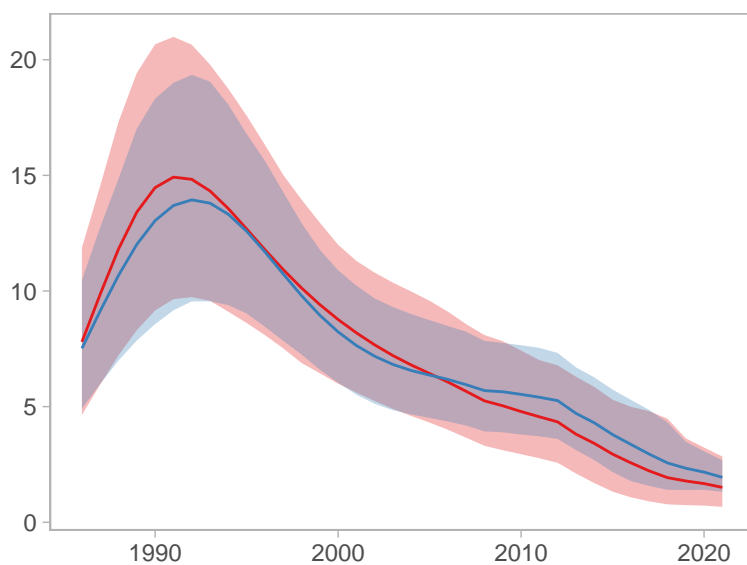
HIV prevalence



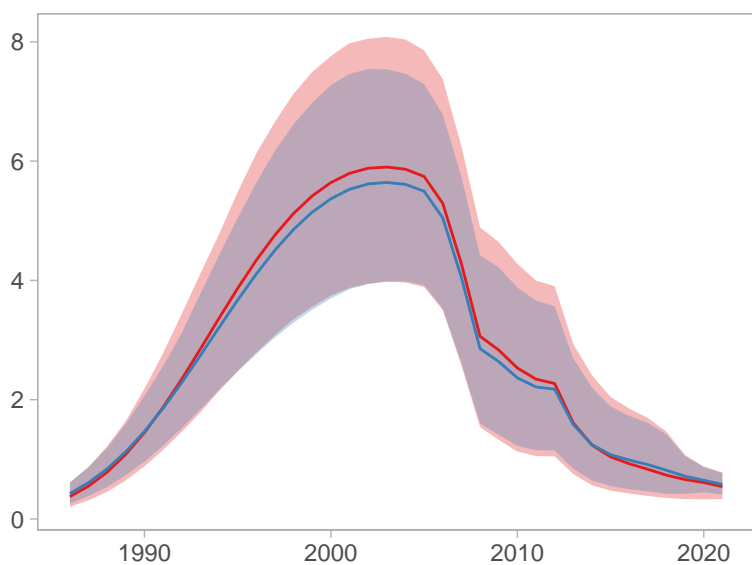
Pregnant women HIV prevalence



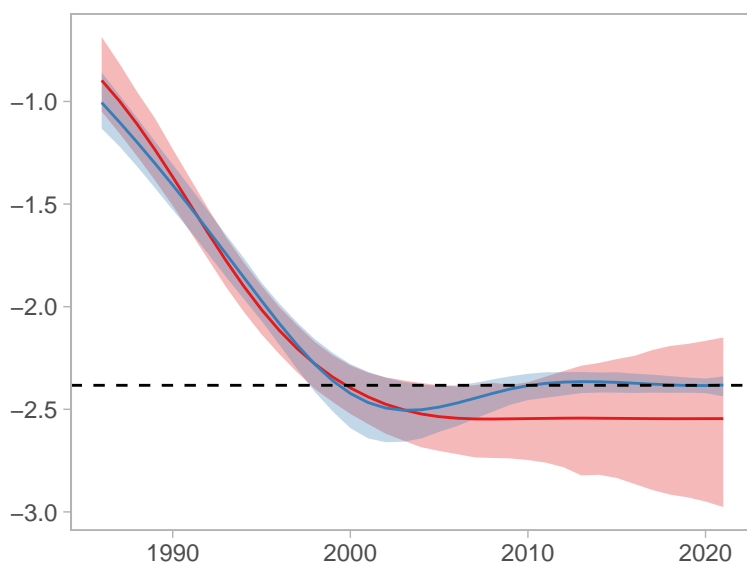
HIV incidence per 1000



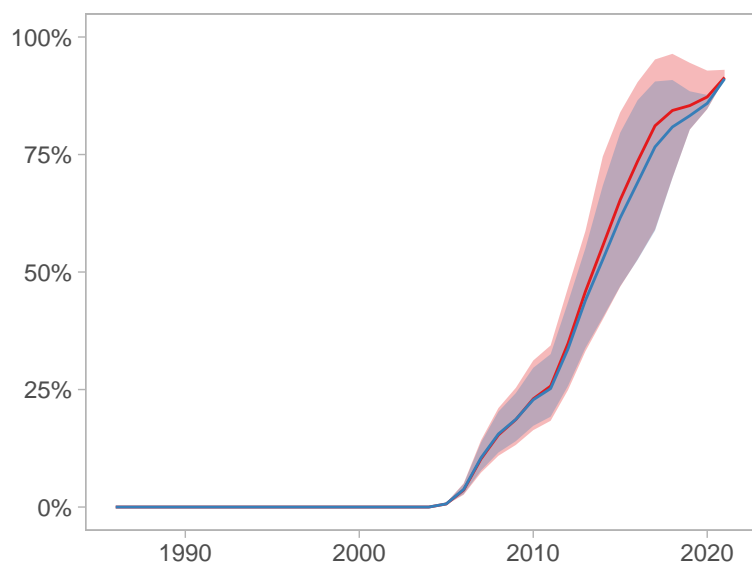
AIDS deaths per 1000 (age 15+)



log r(t)



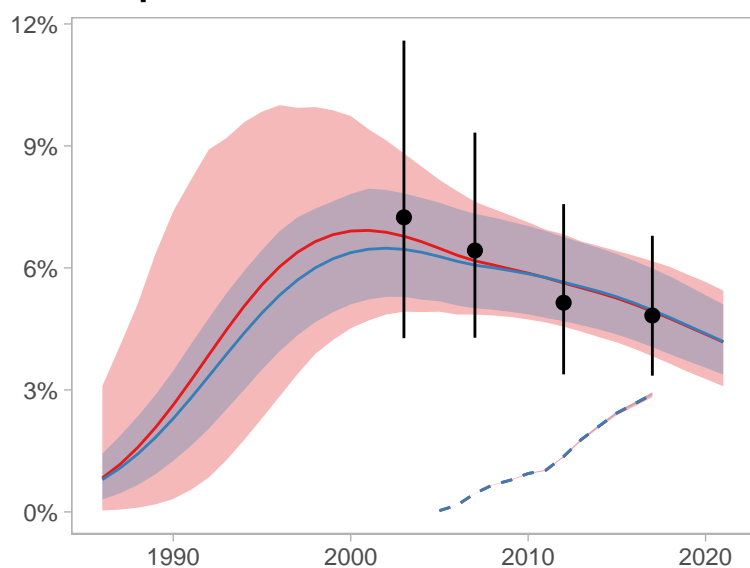
Adult (15+) ART coverage



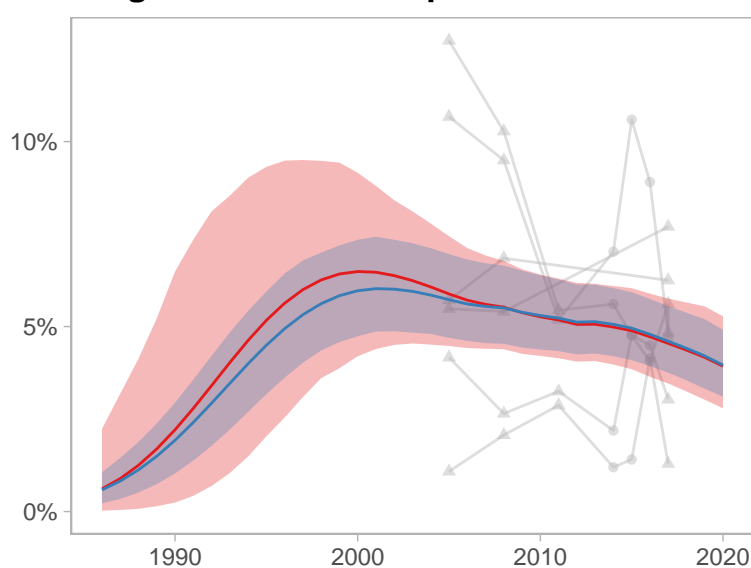
Model: — r-hybrid — r-spline

United Republic of Tanzania – Tabora

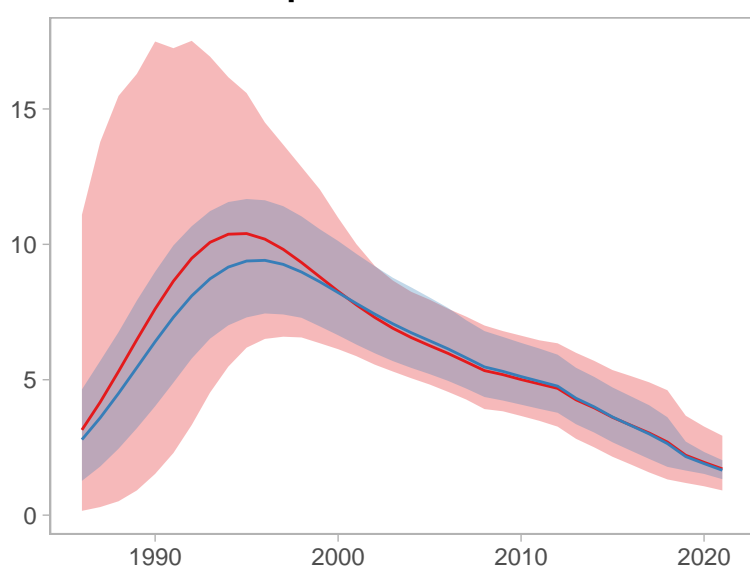
HIV prevalence



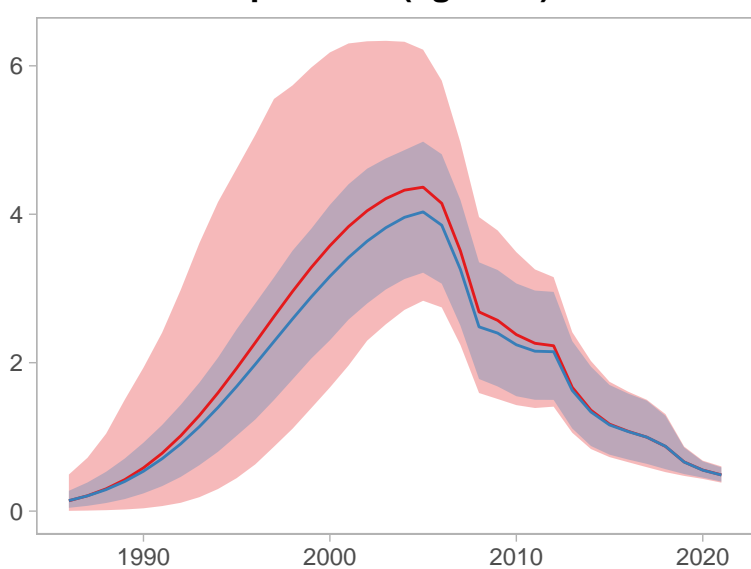
Pregnant women HIV prevalence



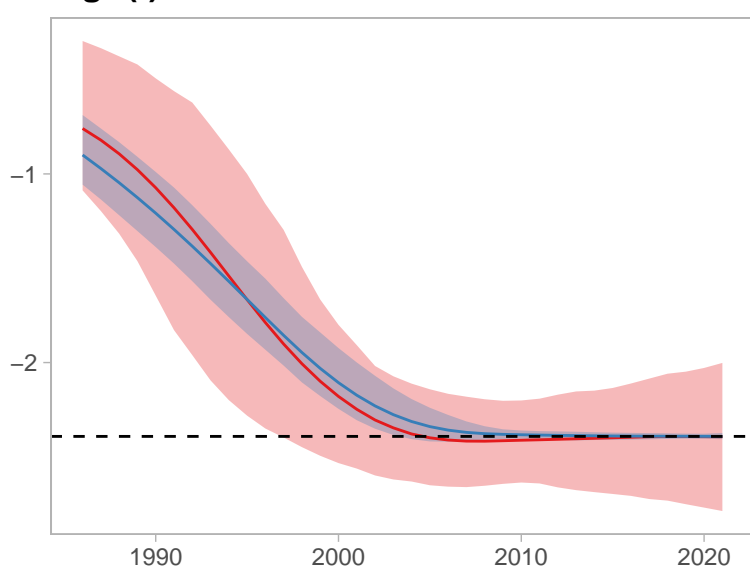
HIV incidence per 1000



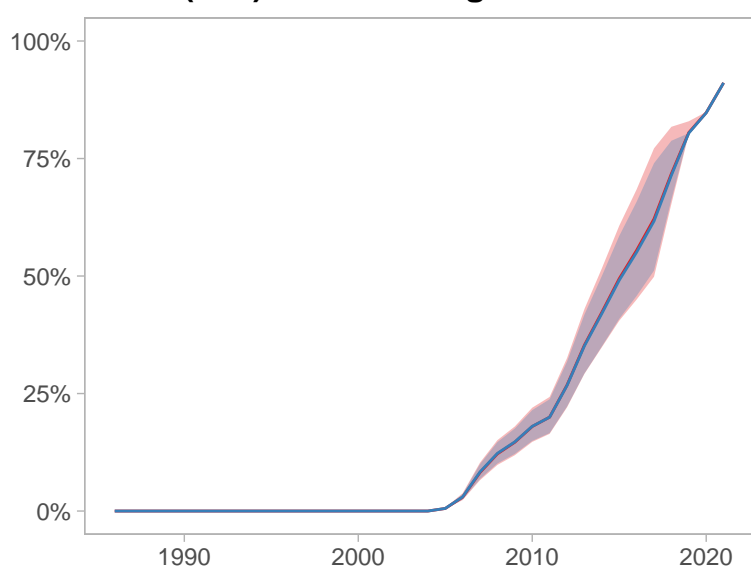
AIDS deaths per 1000 (age 15+)



log r(t)



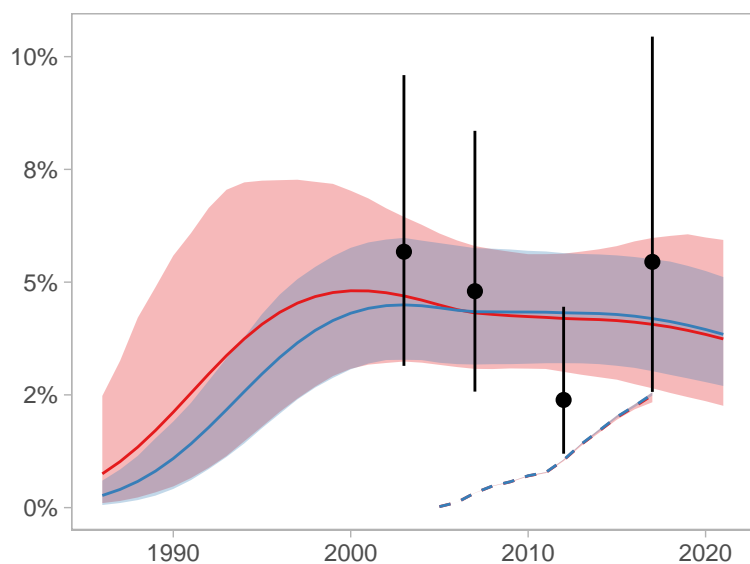
Adult (15+) ART coverage



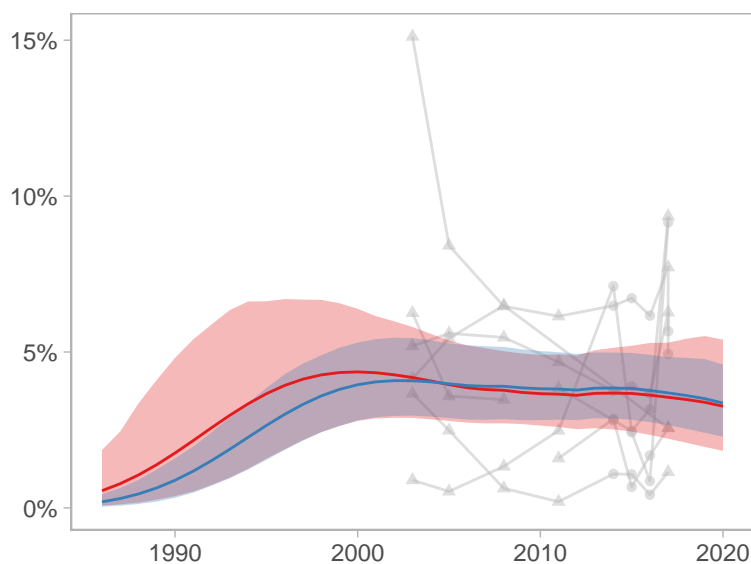
Model: — r-hybrid — r-spline

United Republic of Tanzania – Tanga

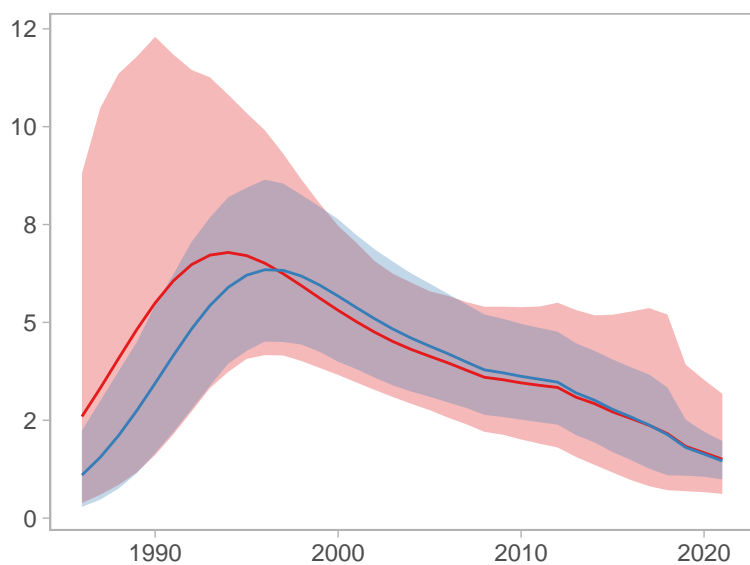
HIV prevalence



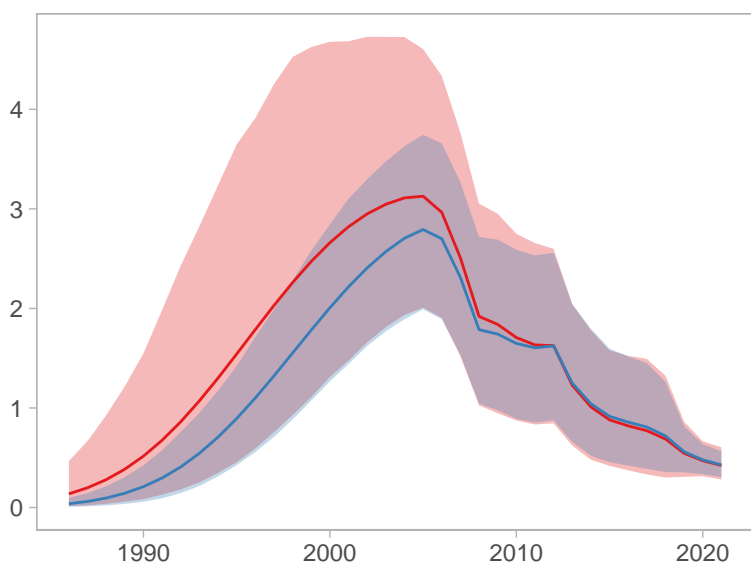
Pregnant women HIV prevalence



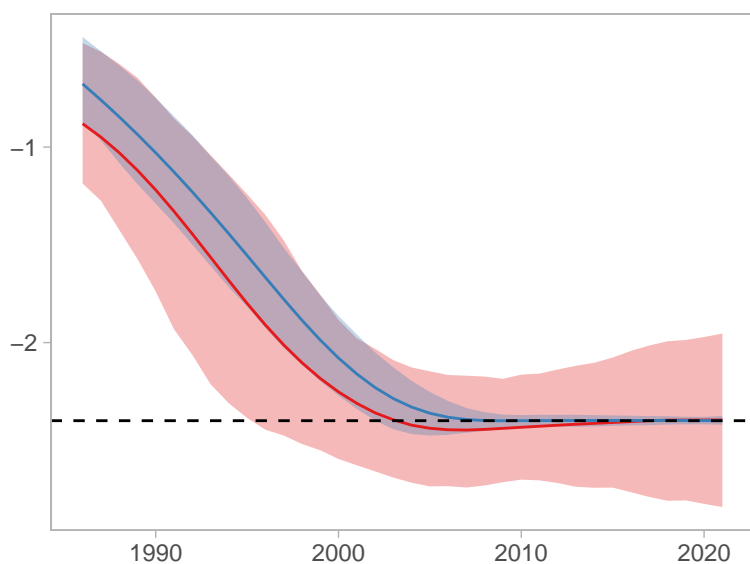
HIV incidence per 1000



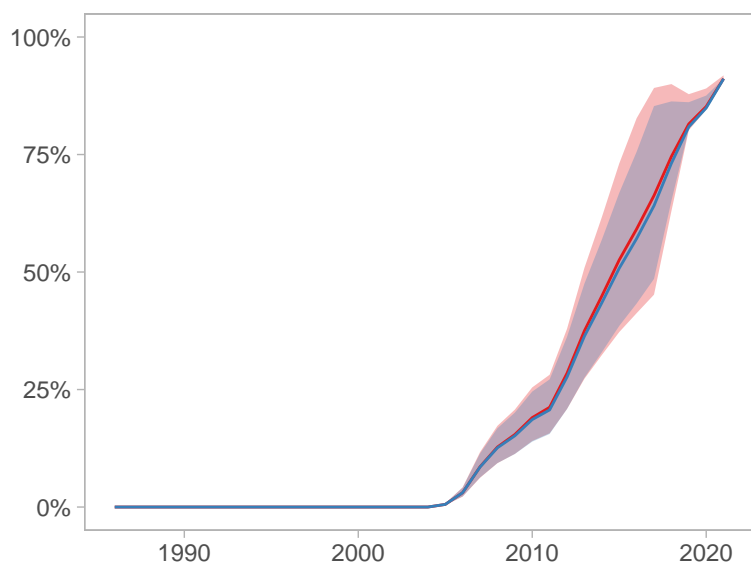
AIDS deaths per 1000 (age 15+)



log r(t)



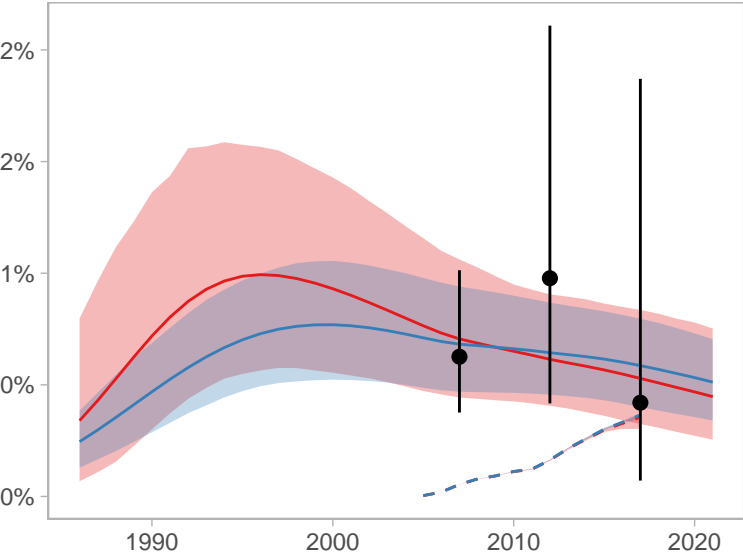
Adult (15+) ART coverage



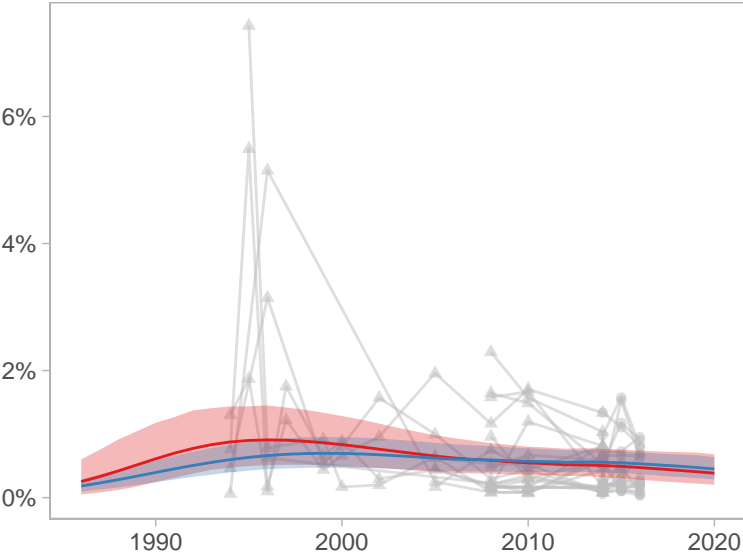
Model: — r-hybrid — r-spline

United Republic of Tanzania – Zanzibar

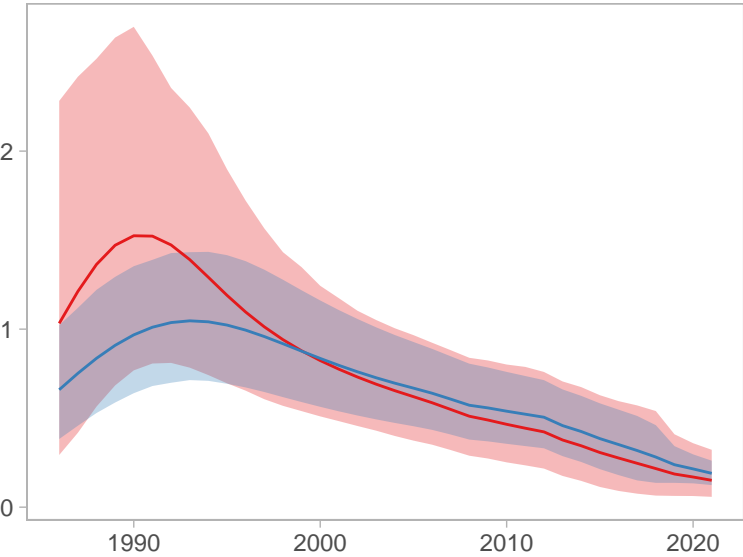
HIV prevalence



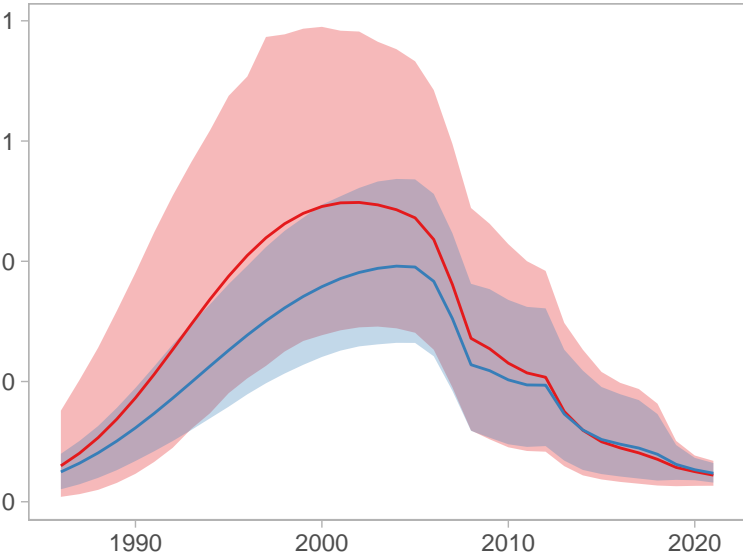
Pregnant women HIV prevalence



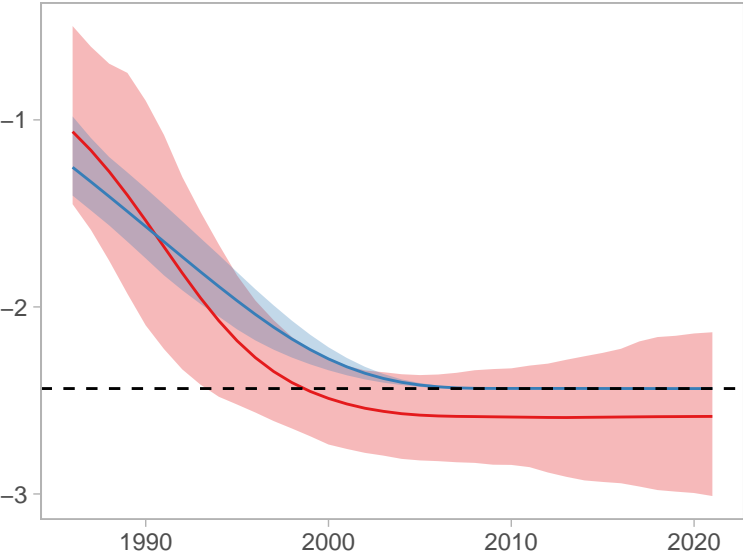
HIV incidence per 1000



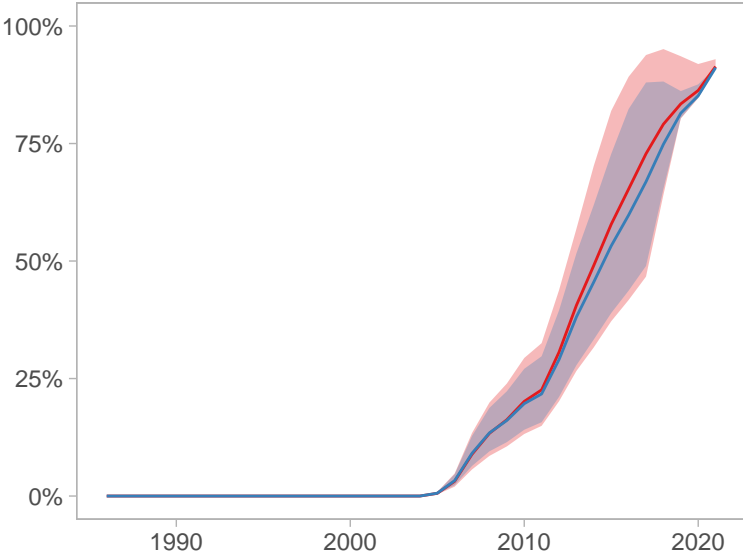
AIDS deaths per 1000 (age 15+)



log r(t)

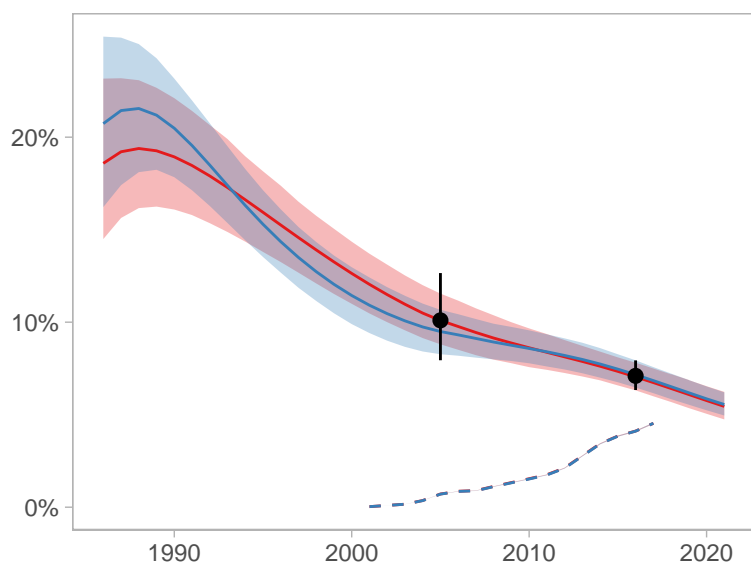


Adult (15+) ART coverage

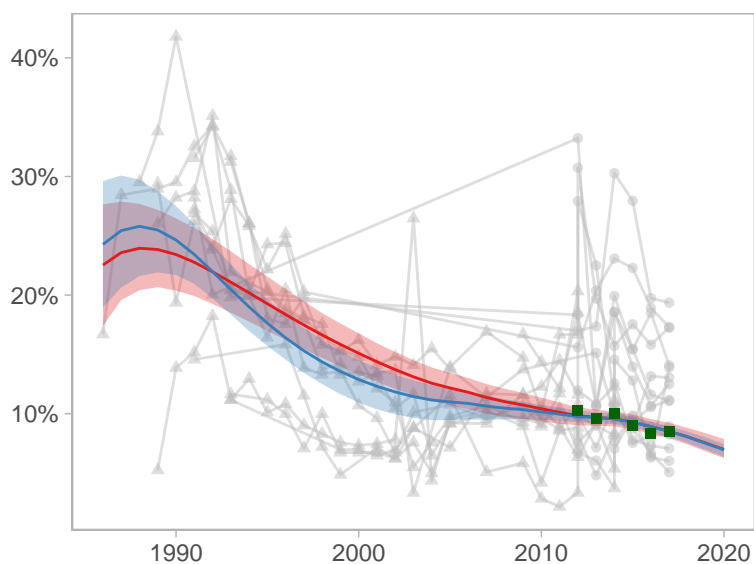


Model: — r-hybrid — r-spline

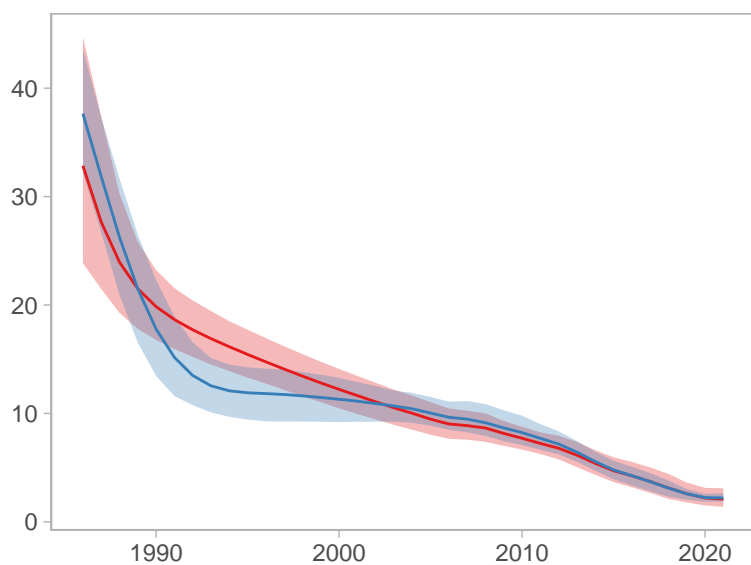
Uganda – Urban HIV prevalence



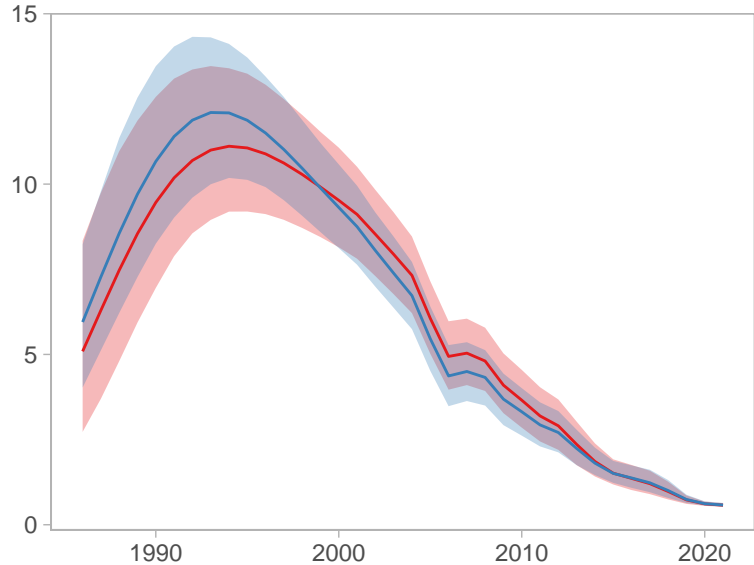
Pregnant women HIV prevalence



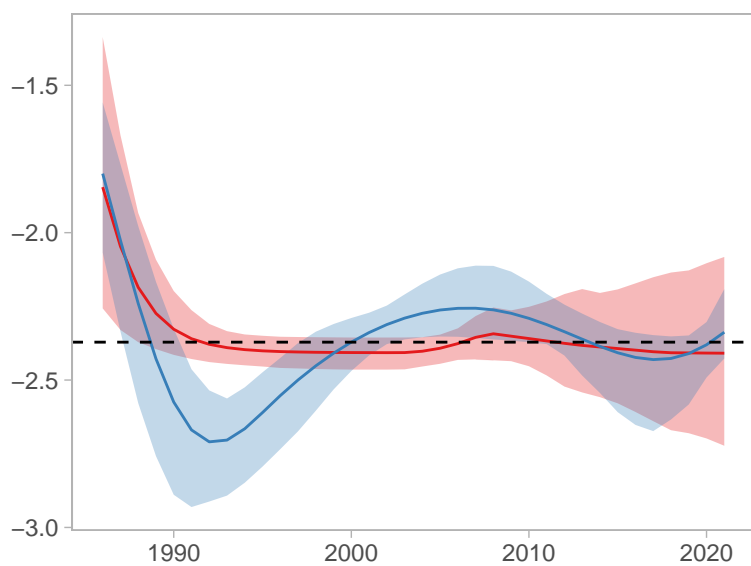
HIV incidence per 1000



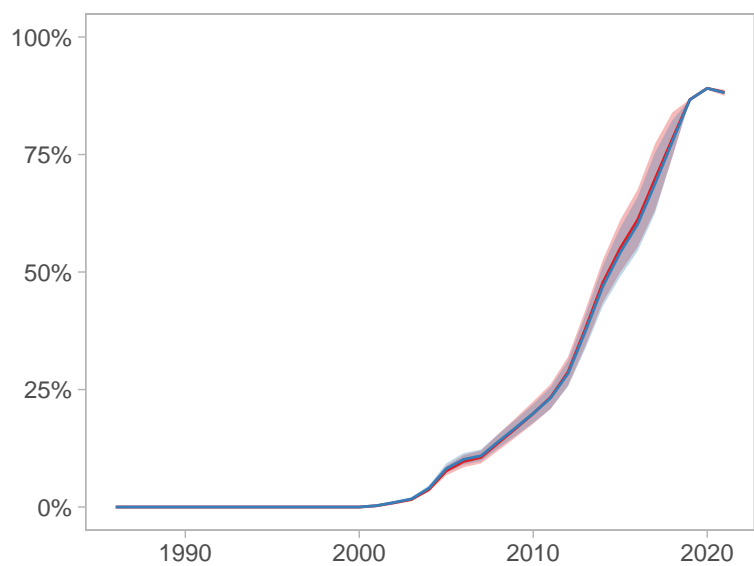
AIDS deaths per 1000 (age 15+)



log r(t)



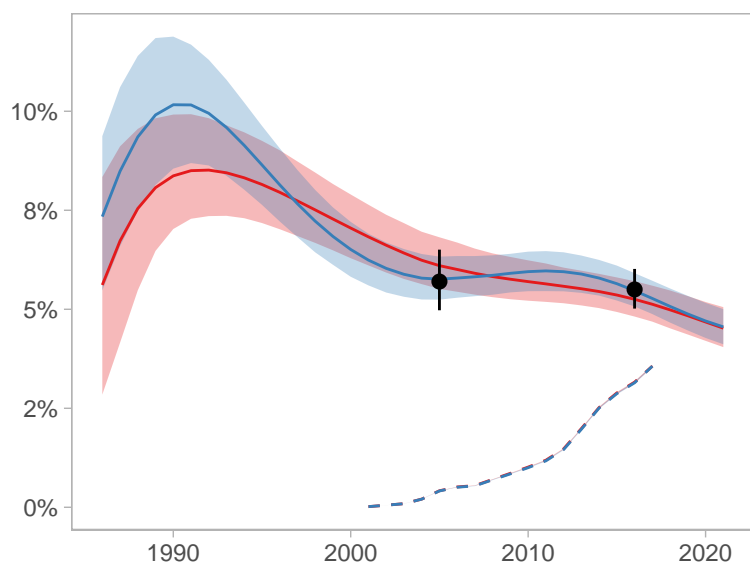
Adult (15+) ART coverage



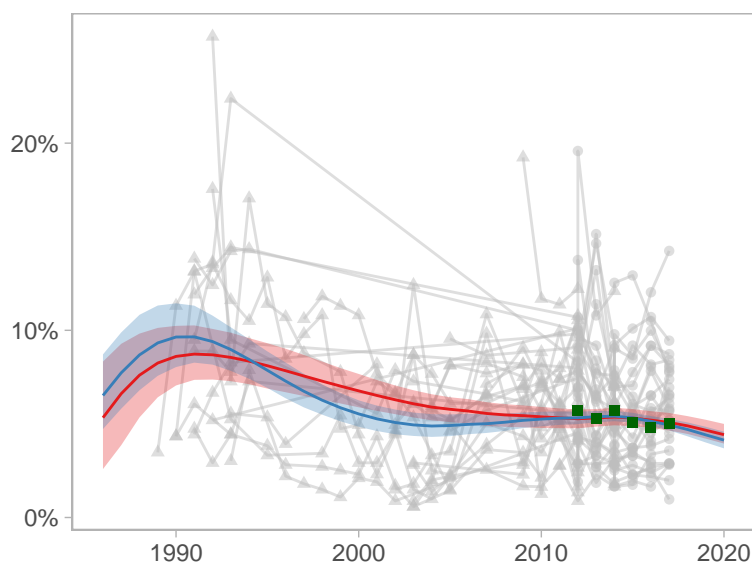
Model: — r-hybrid — r-spline

Uganda – Rural

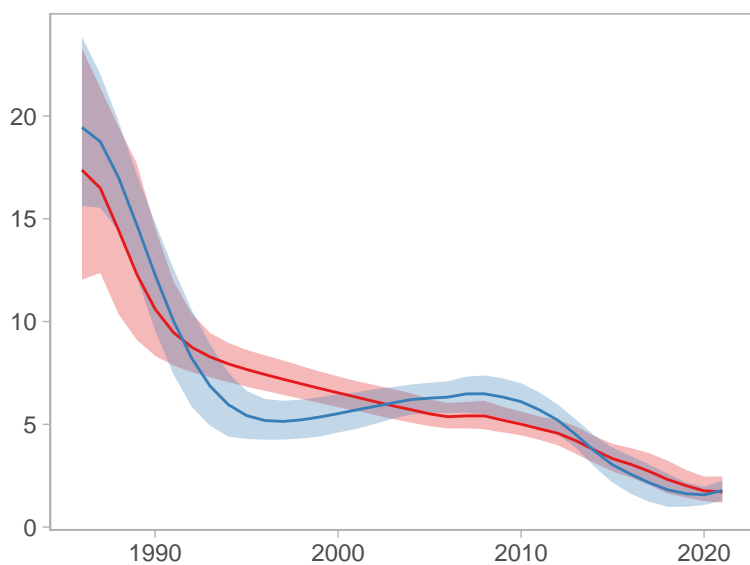
HIV prevalence



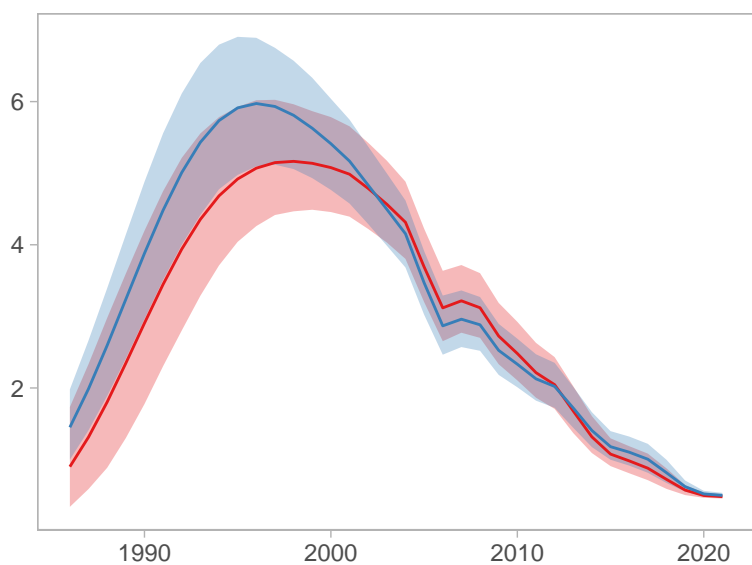
Pregnant women HIV prevalence



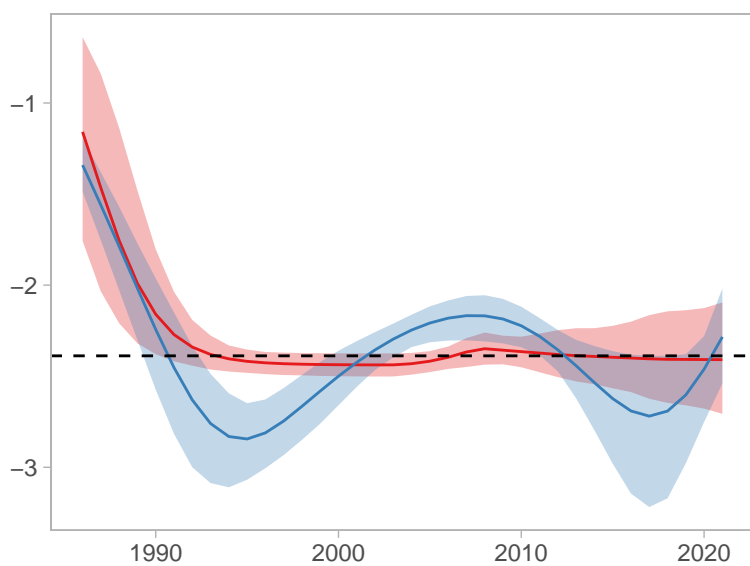
HIV incidence per 1000



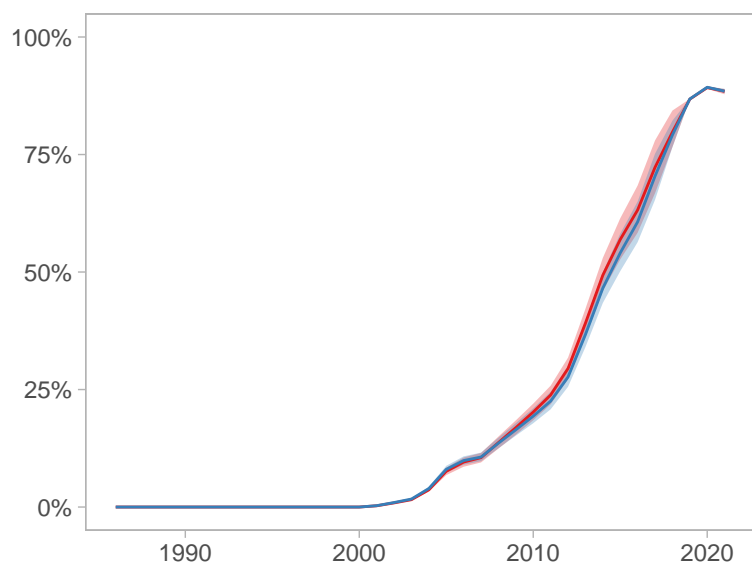
AIDS deaths per 1000 (age 15+)



log r(t)

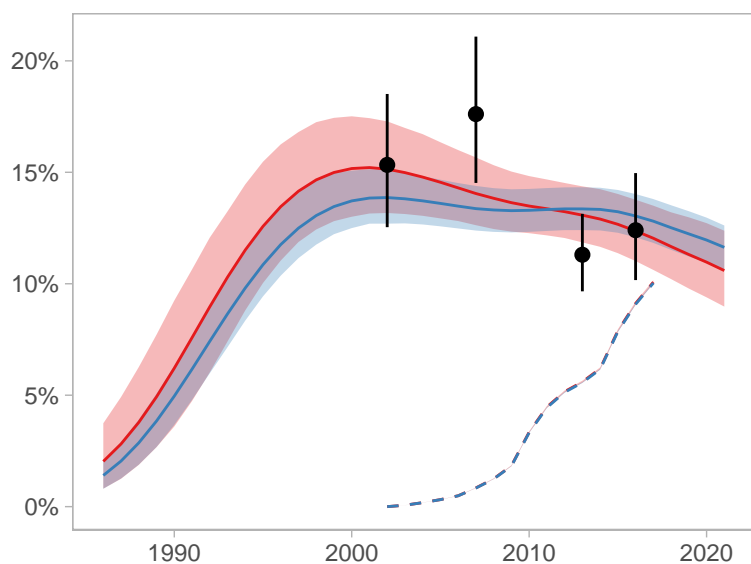


Adult (15+) ART coverage

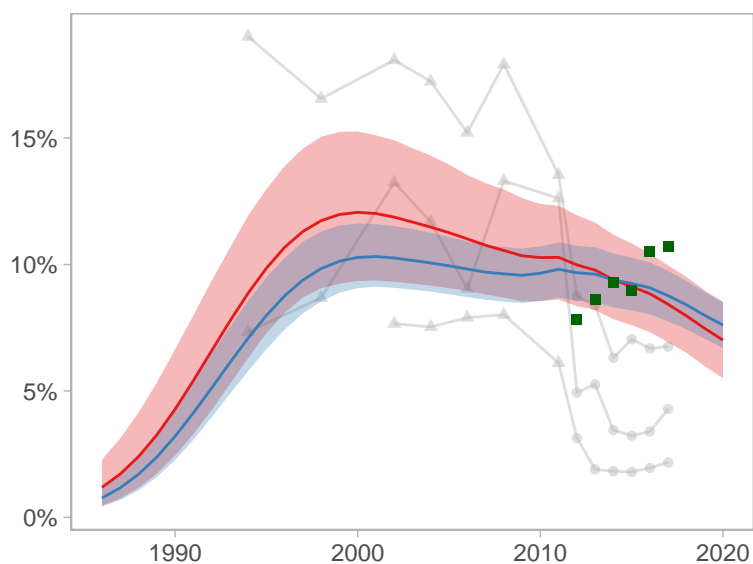


Model: — r-hybrid — r-spline

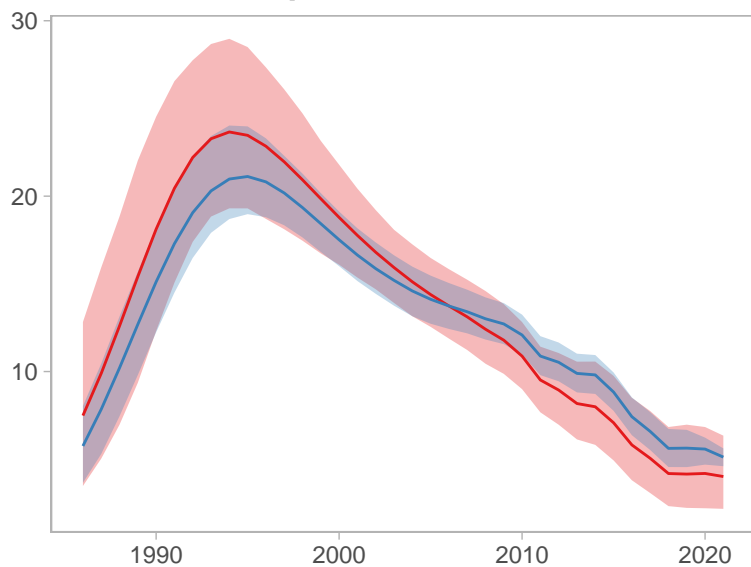
Zambia – Central HIV prevalence



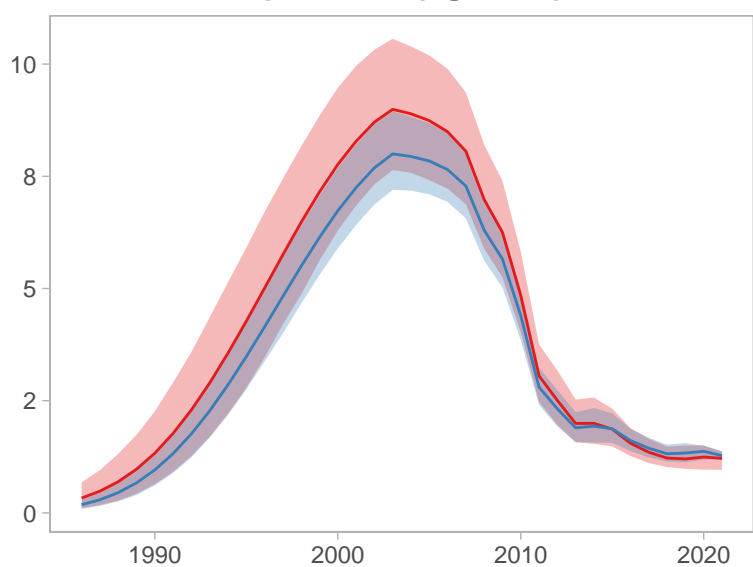
Pregnant women HIV prevalence



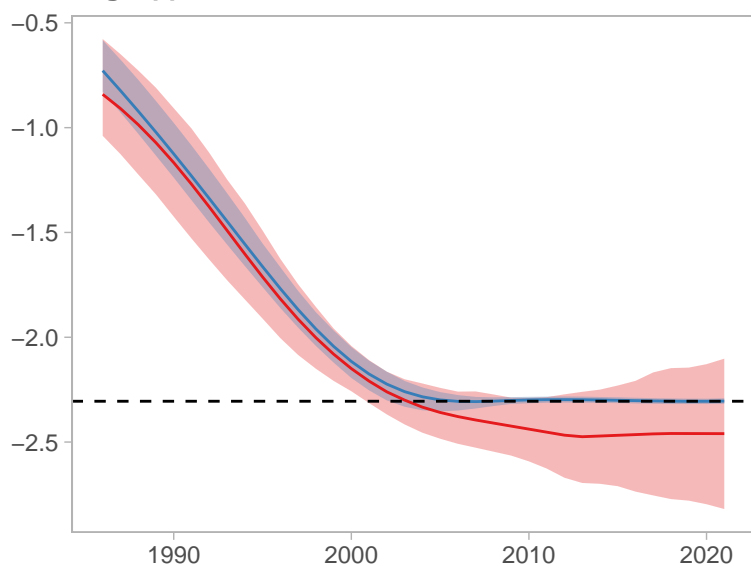
HIV incidence per 1000



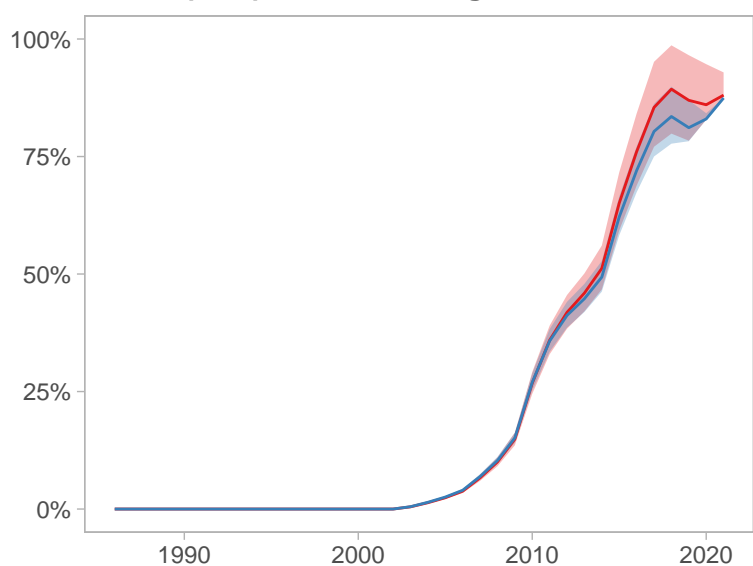
AIDS deaths per 1000 (age 15+)



log r(t)



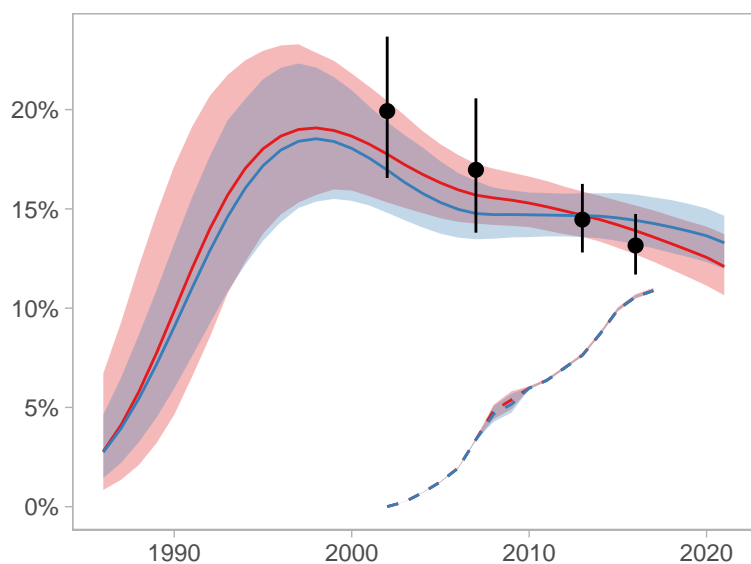
Adult (15+) ART coverage



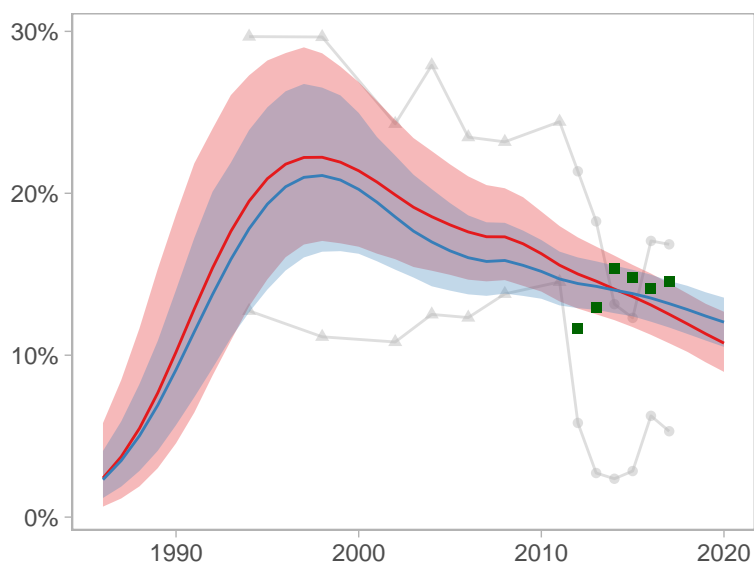
Model: — r-hybrid — r-spline

Zambia – Copperbelt

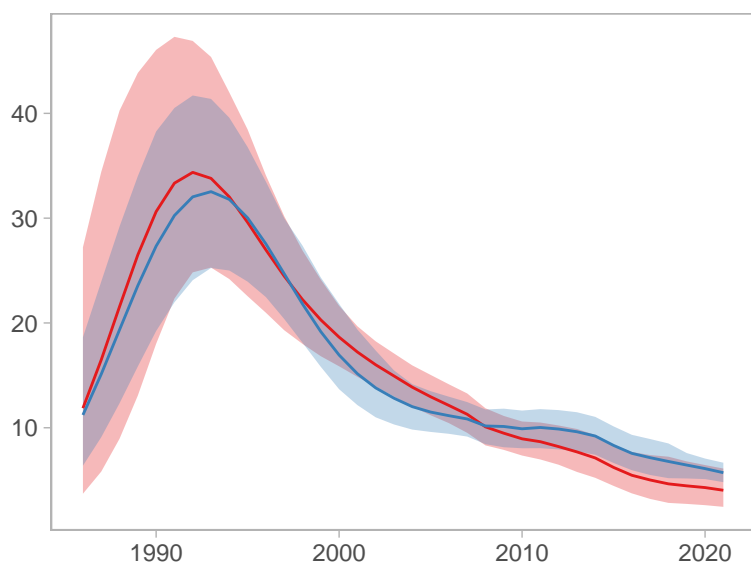
HIV prevalence



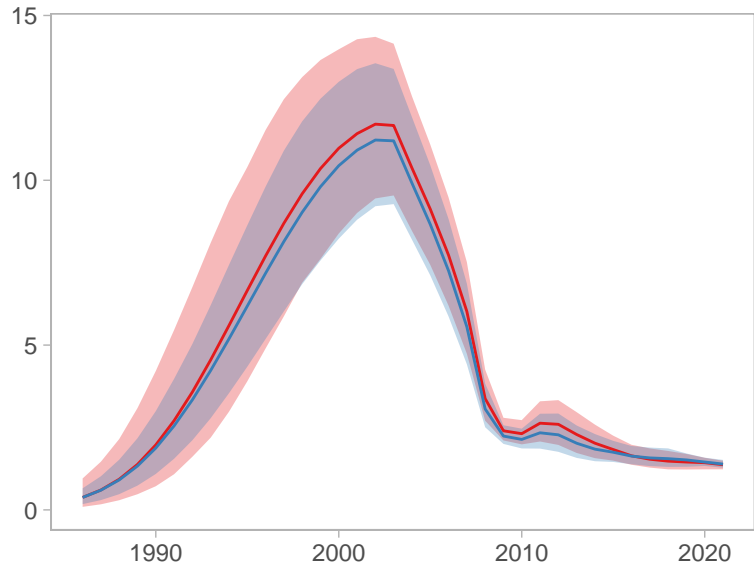
Pregnant women HIV prevalence



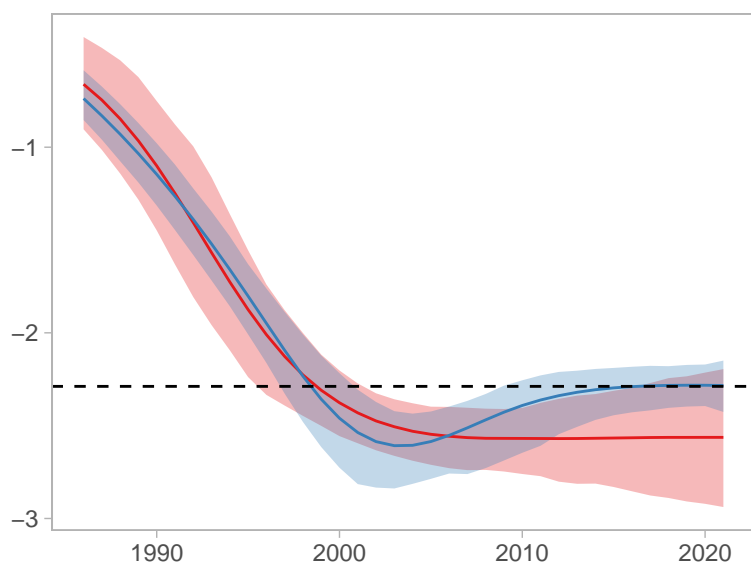
HIV incidence per 1000



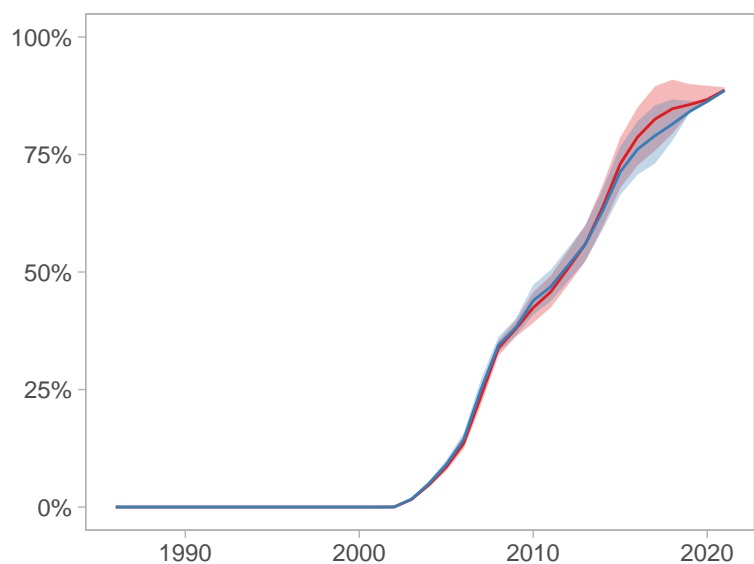
AIDS deaths per 1000 (age 15+)



log r(t)



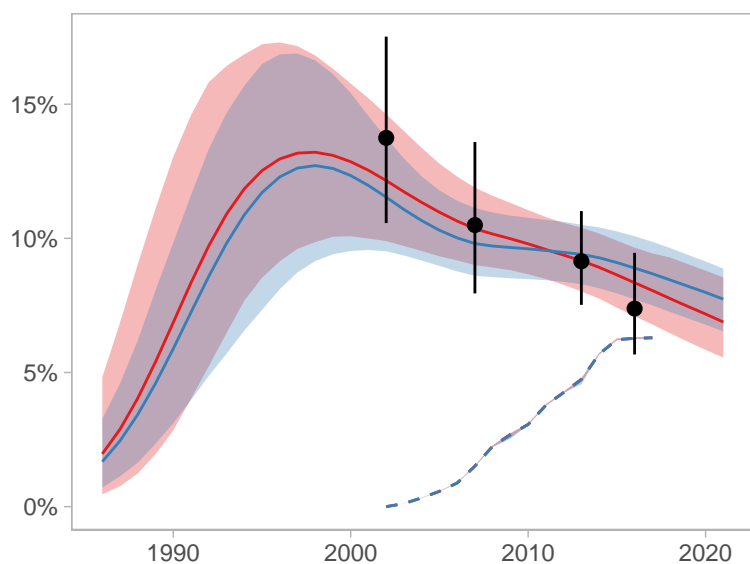
Adult (15+) ART coverage



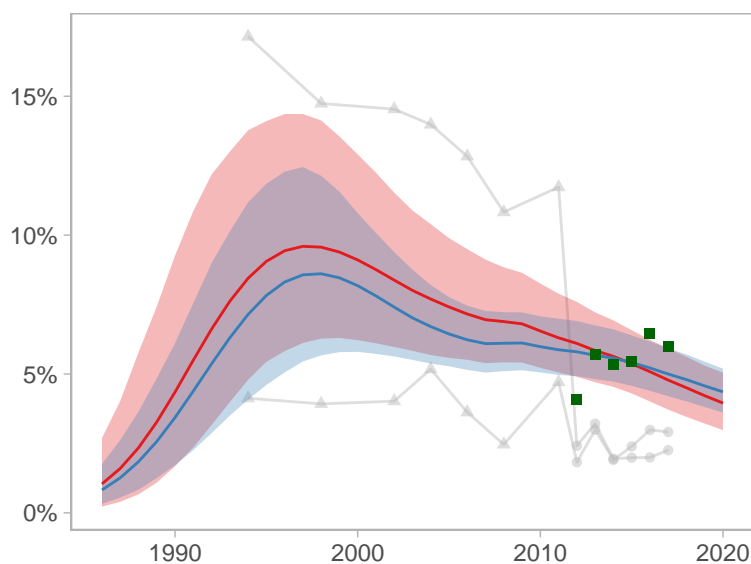
Model: — r-hybrid — r-spline

Zambia – Eastern

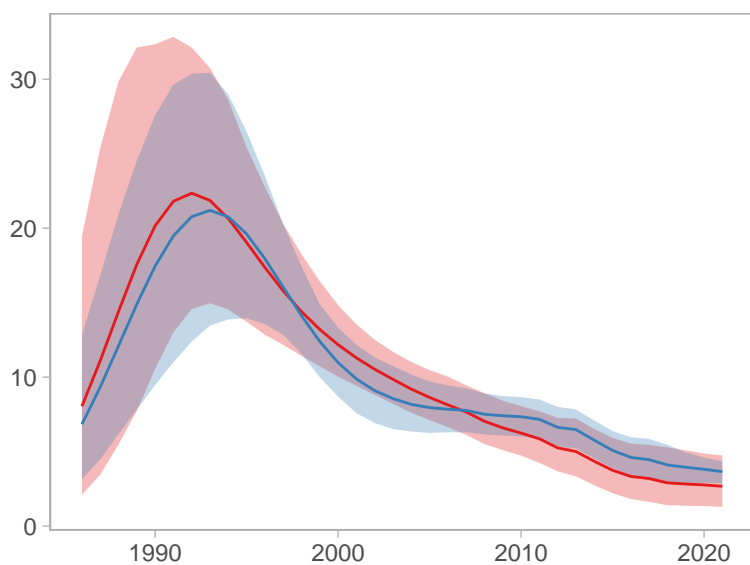
HIV prevalence



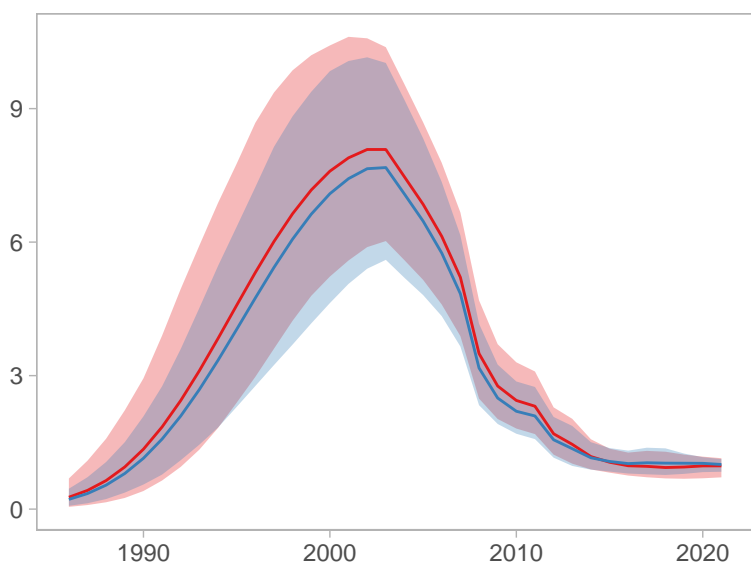
Pregnant women HIV prevalence



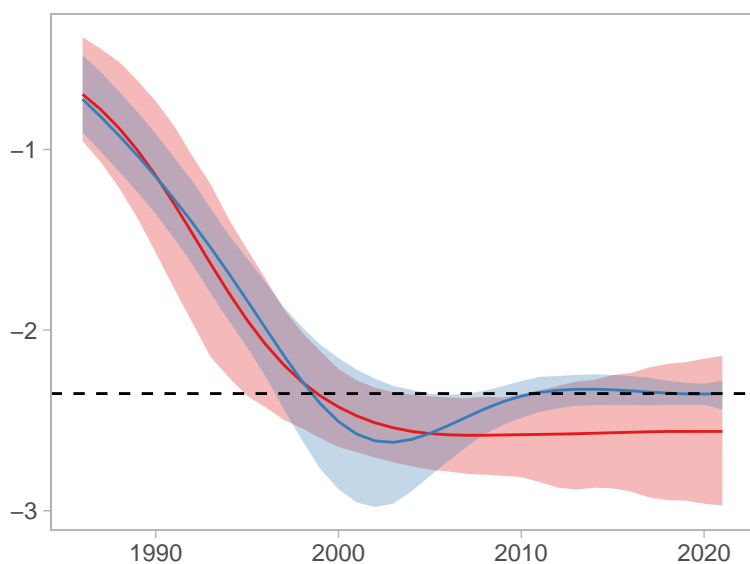
HIV incidence per 1000



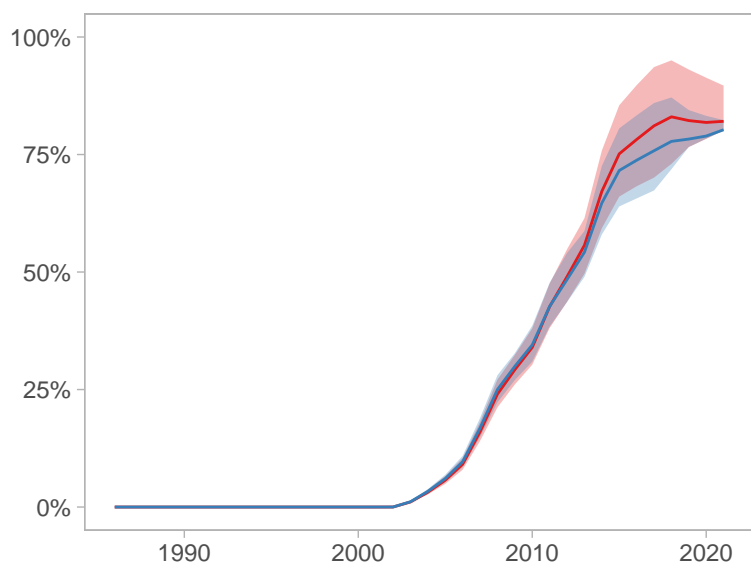
AIDS deaths per 1000 (age 15+)



log r(t)



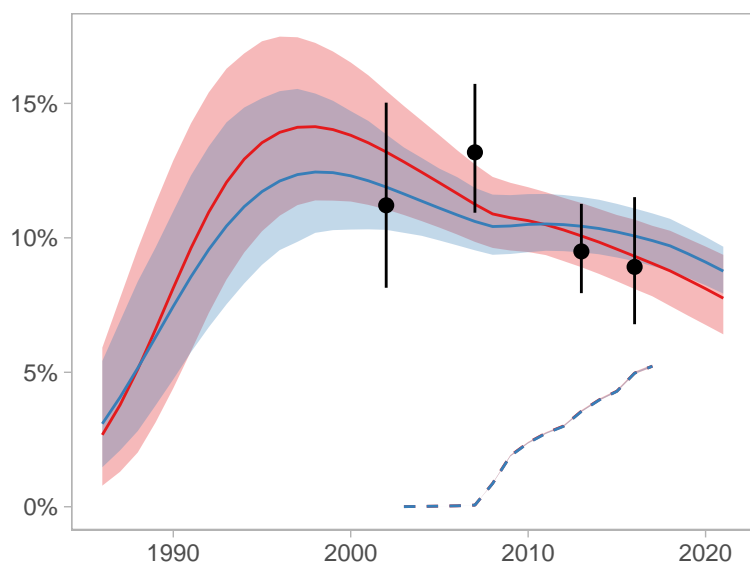
Adult (15+) ART coverage



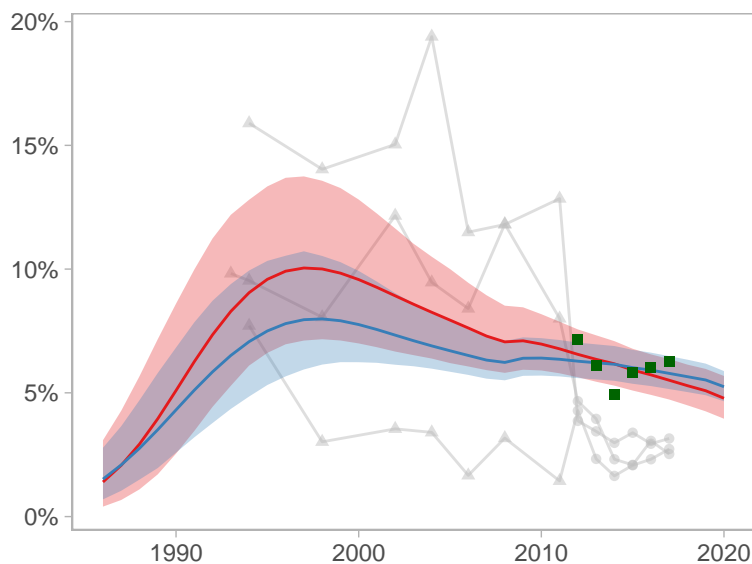
Model: — r-hybrid — r-spline

Zambia – Luapula

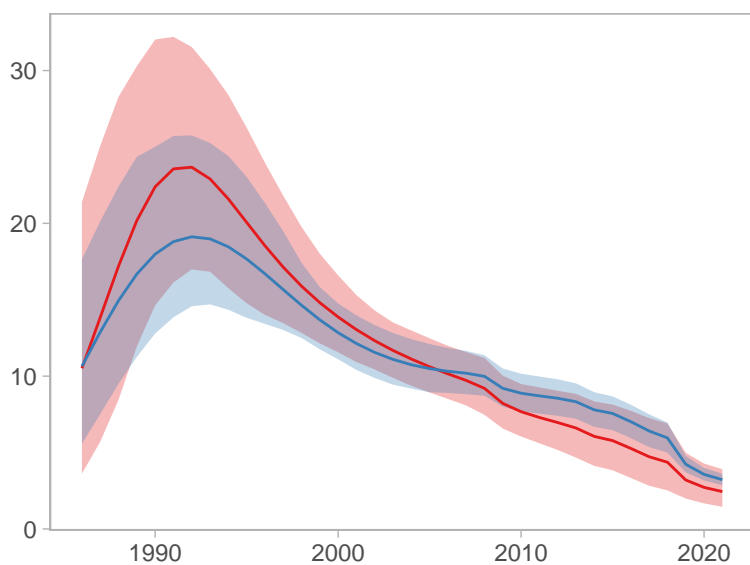
HIV prevalence



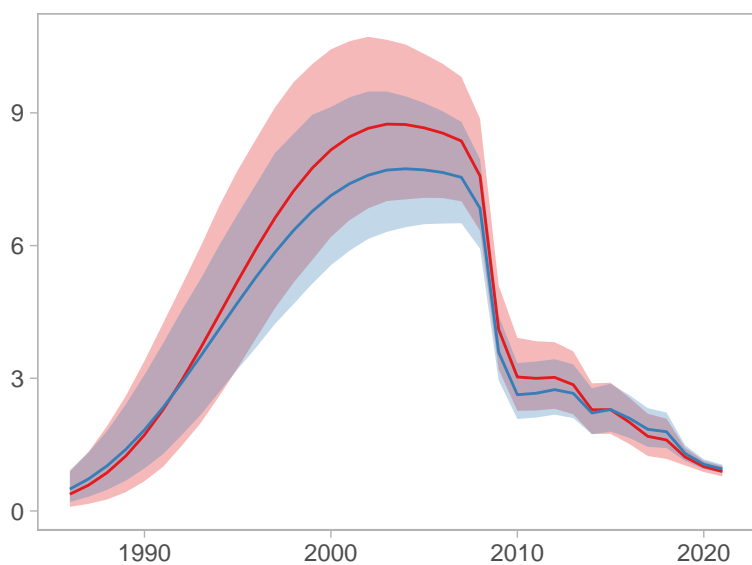
Pregnant women HIV prevalence



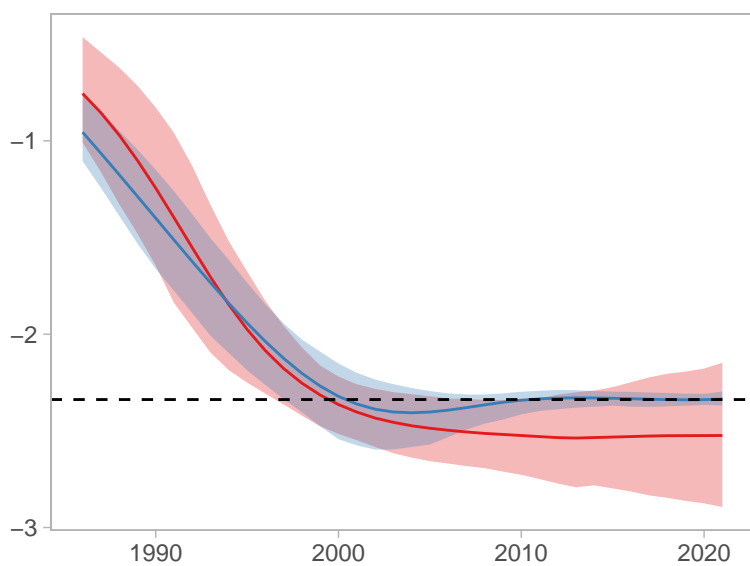
HIV incidence per 1000



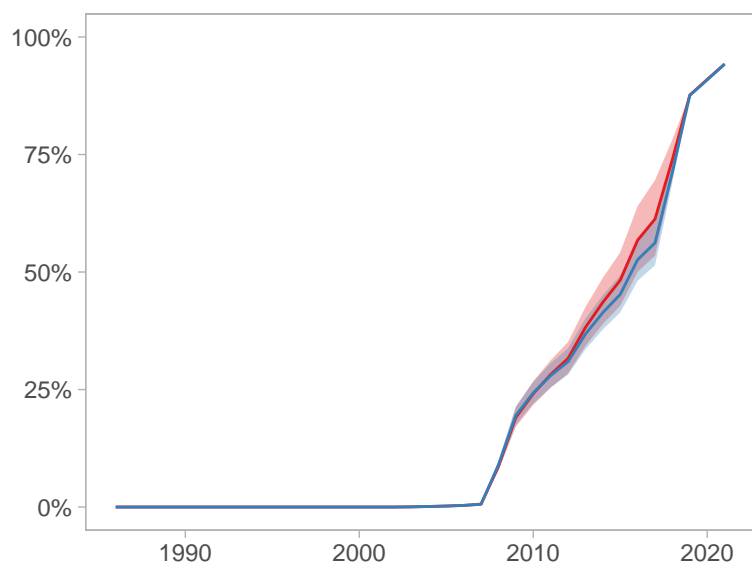
AIDS deaths per 1000 (age 15+)



log r(t)



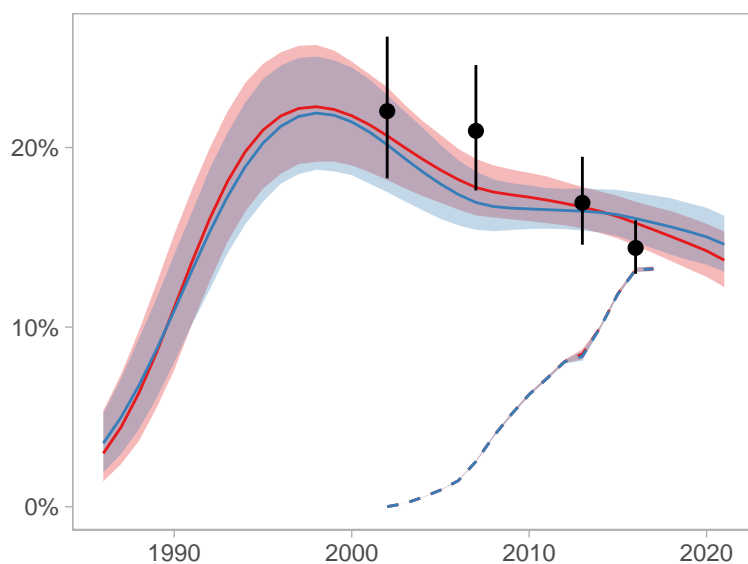
Adult (15+) ART coverage



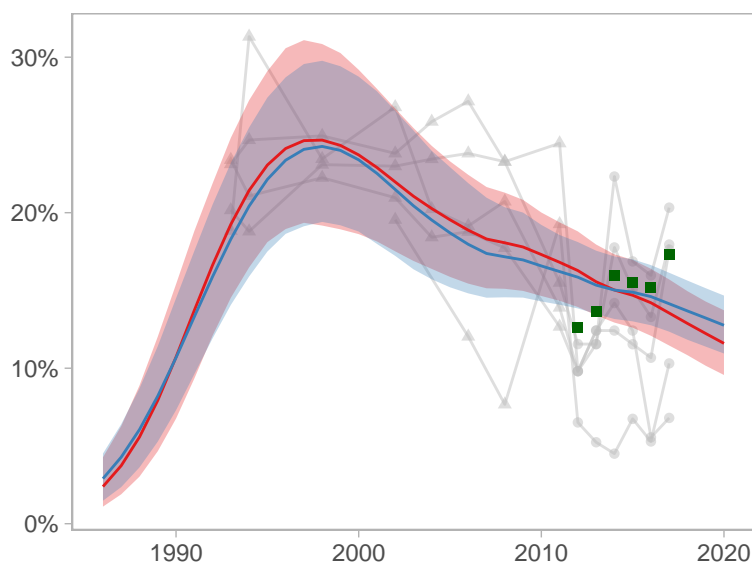
Model: — r-hybrid — r-spline

Zambia – Lusaka

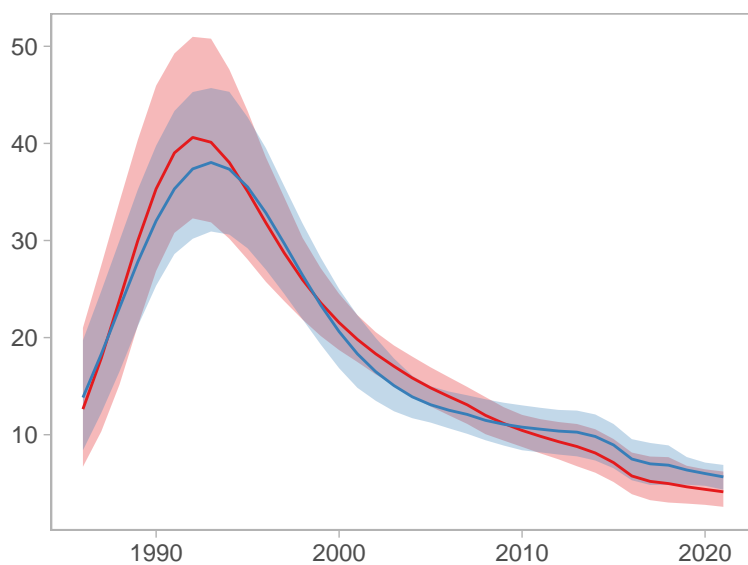
HIV prevalence



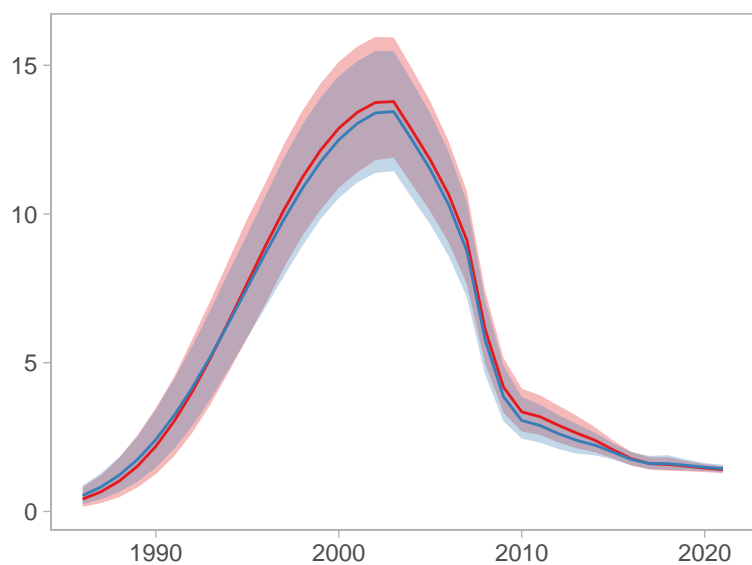
Pregnant women HIV prevalence



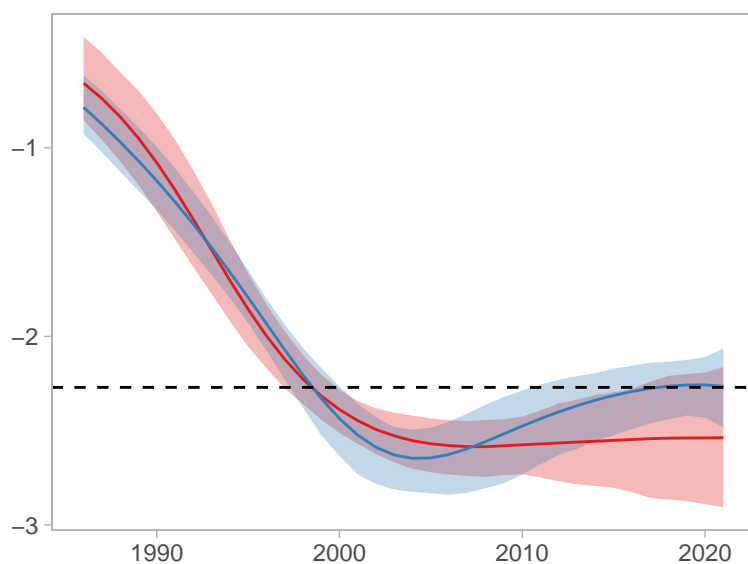
HIV incidence per 1000



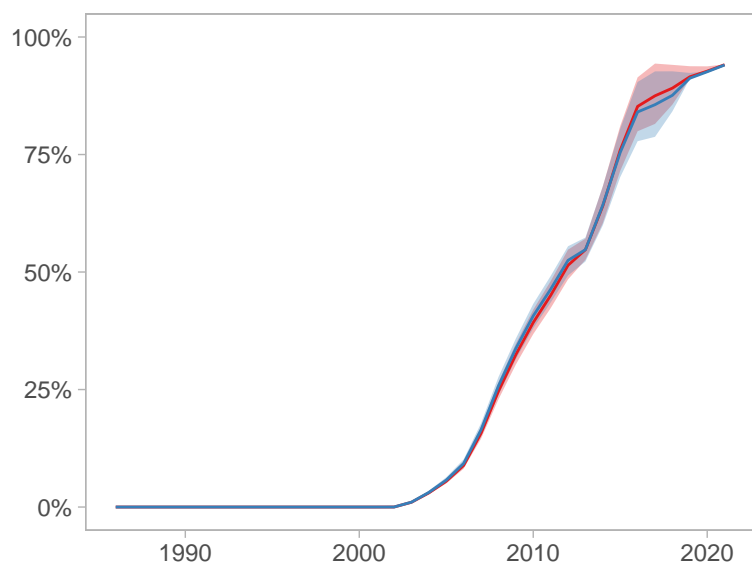
AIDS deaths per 1000 (age 15+)



log r(t)



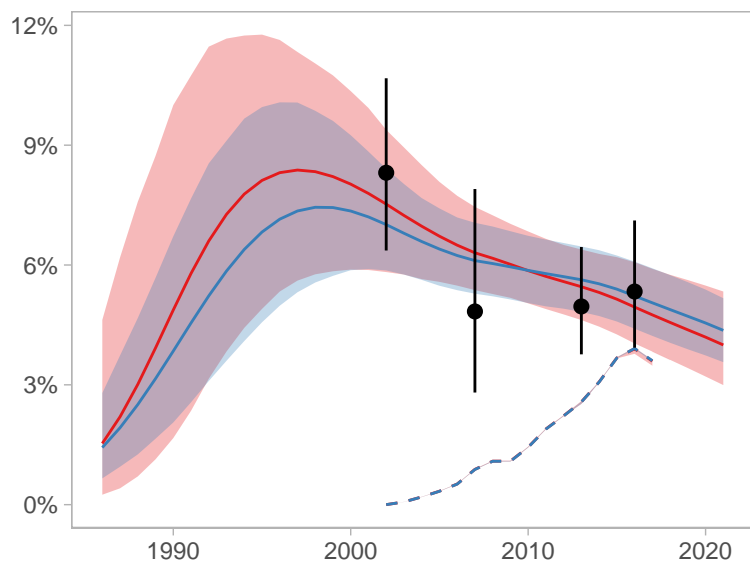
Adult (15+) ART coverage



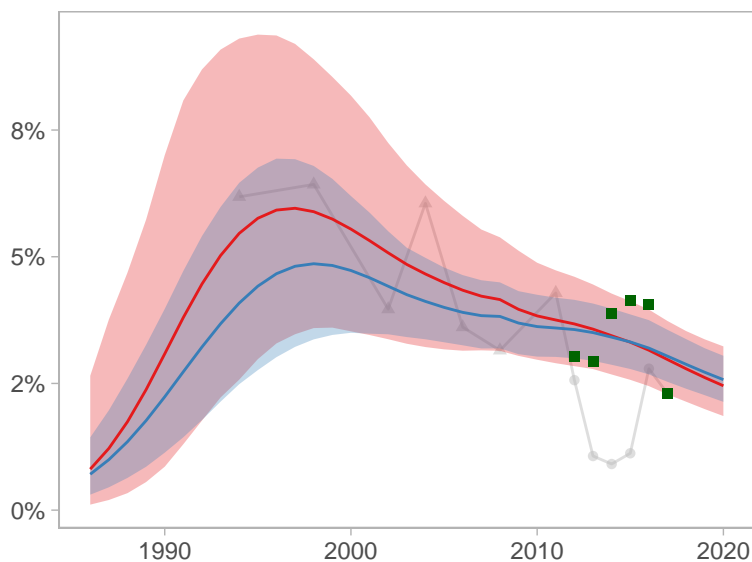
Model: — r-hybrid — r-spline

Zambia – Muchinga

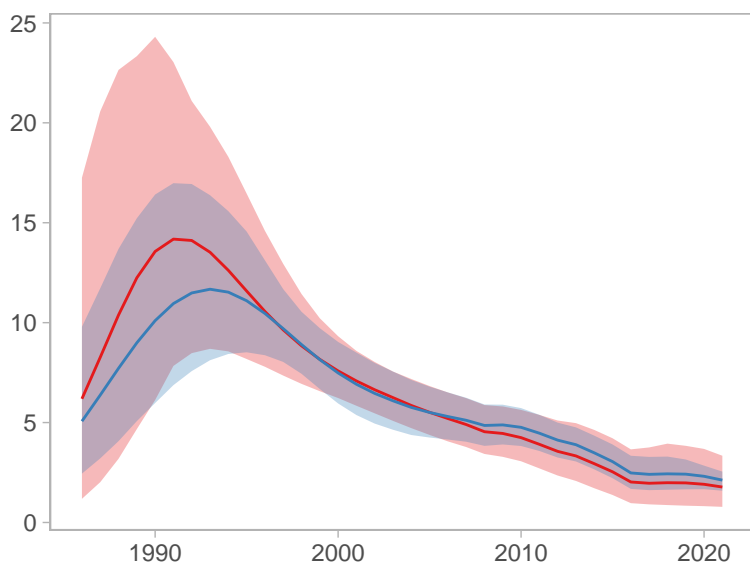
HIV prevalence



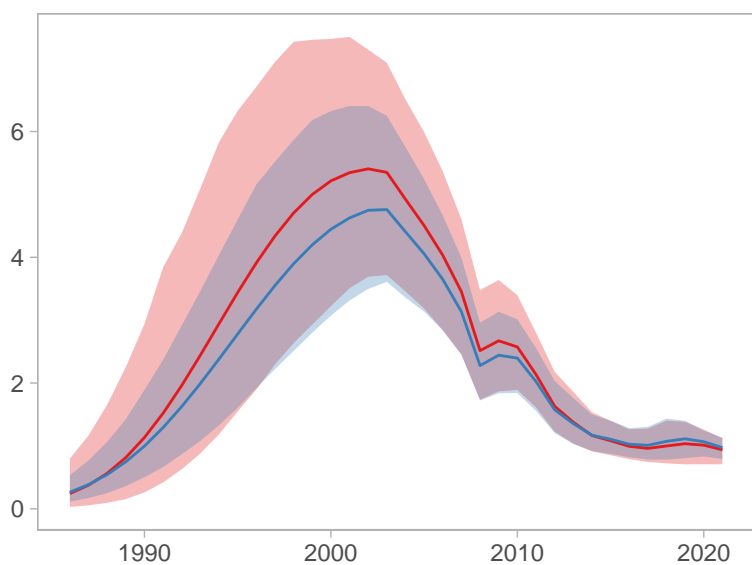
Pregnant women HIV prevalence



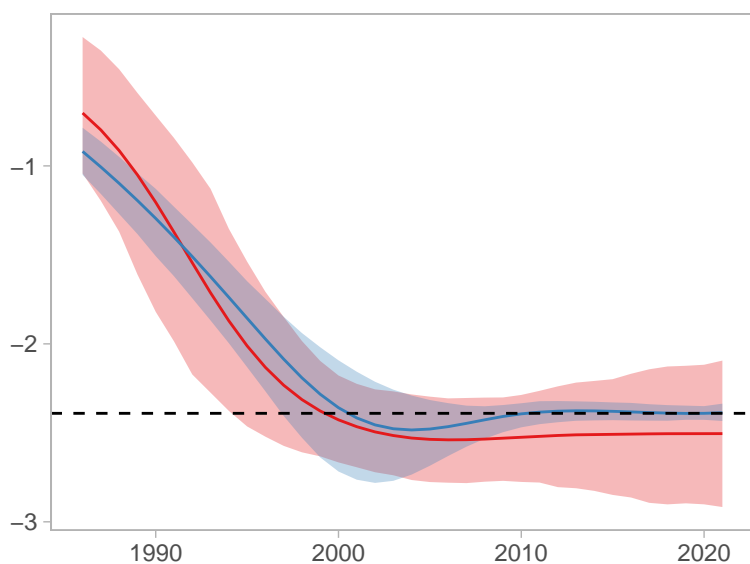
HIV incidence per 1000



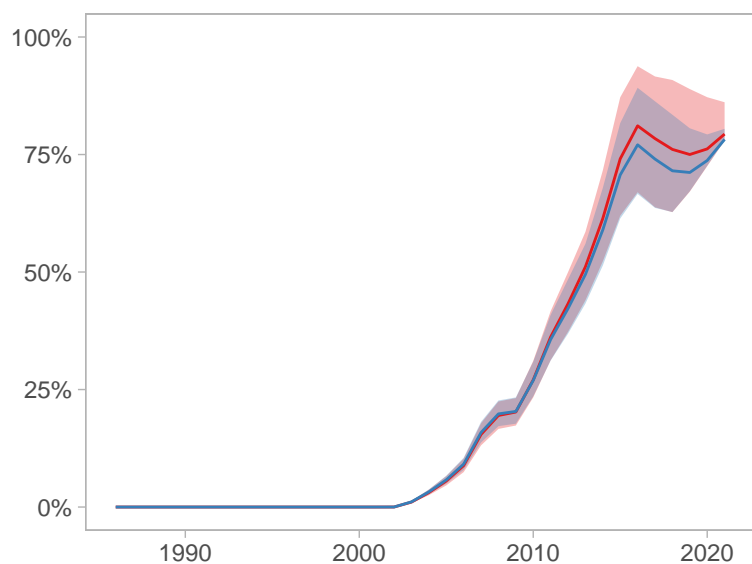
AIDS deaths per 1000 (age 15+)



log r(t)



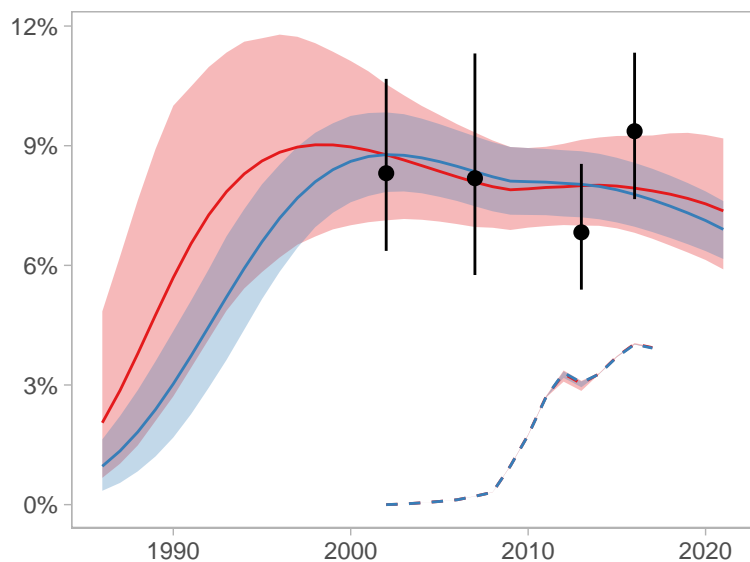
Adult (15+) ART coverage



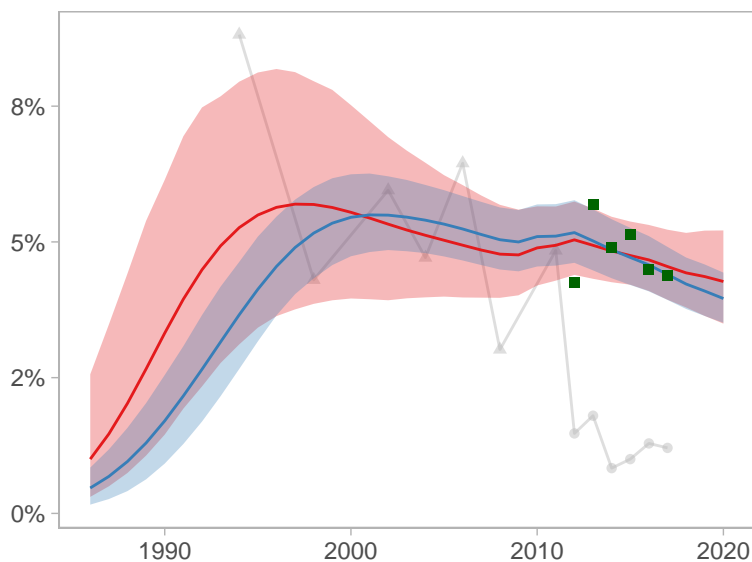
Model: — r-hybrid — r-spline

Zambia – Northern

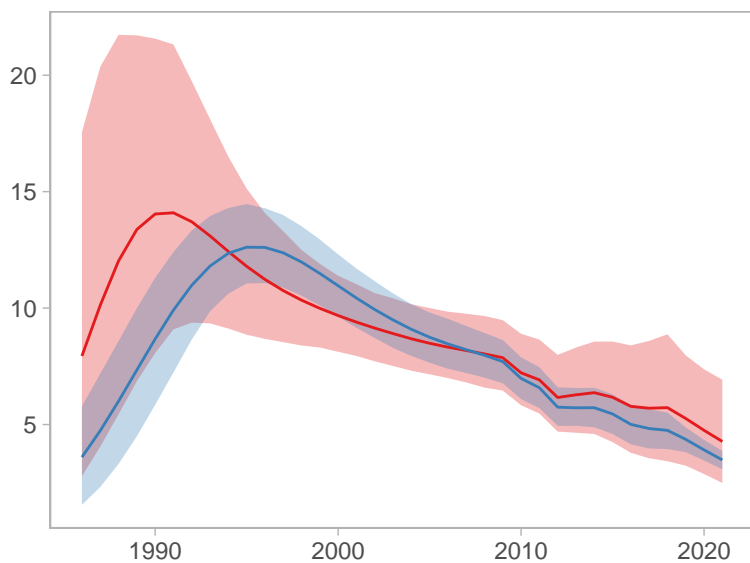
HIV prevalence



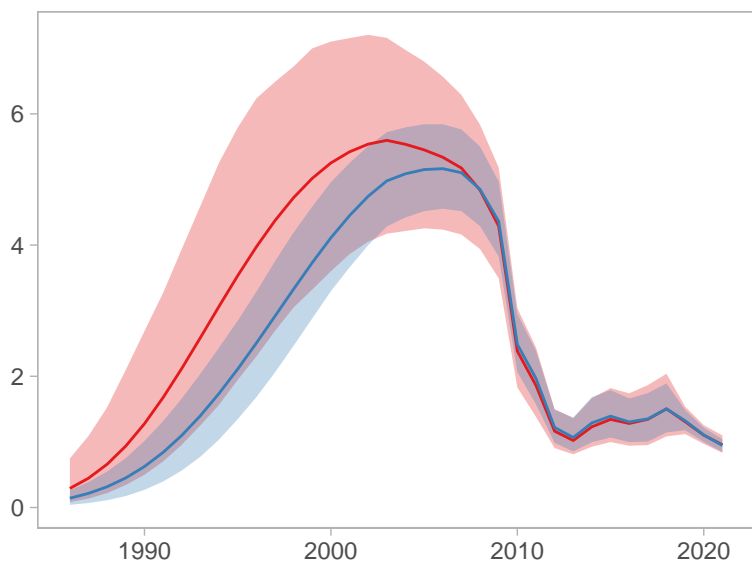
Pregnant women HIV prevalence



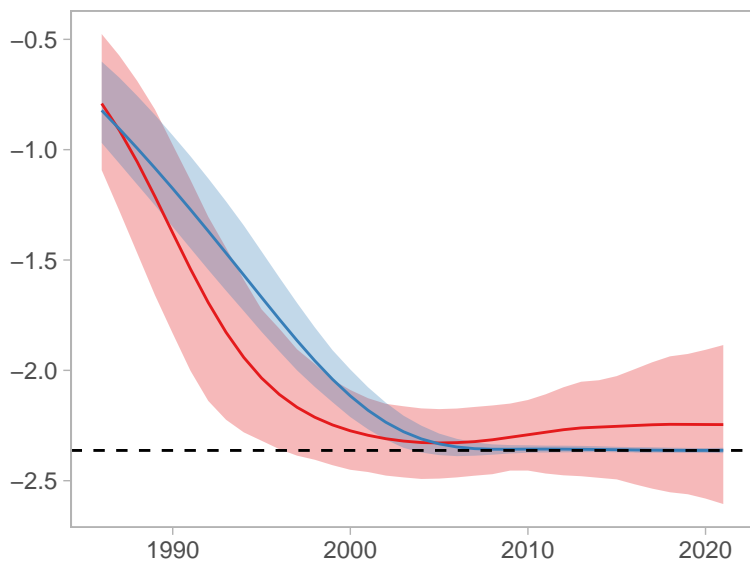
HIV incidence per 1000



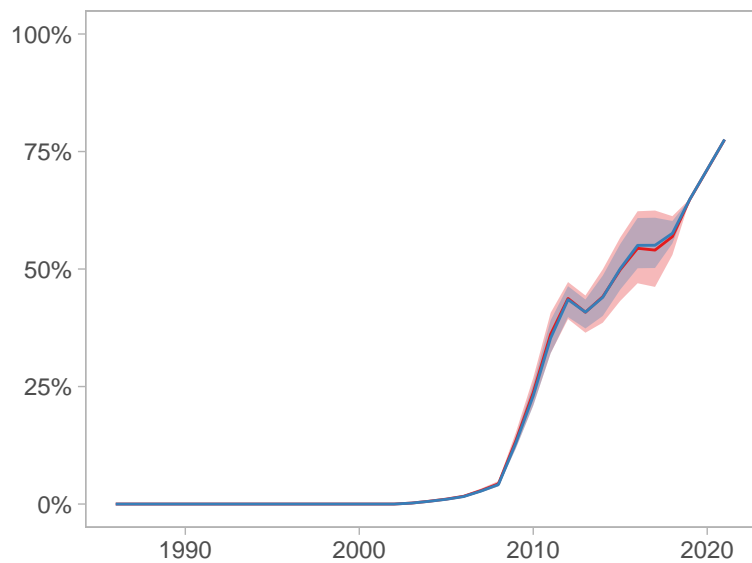
AIDS deaths per 1000 (age 15+)



log r(t)

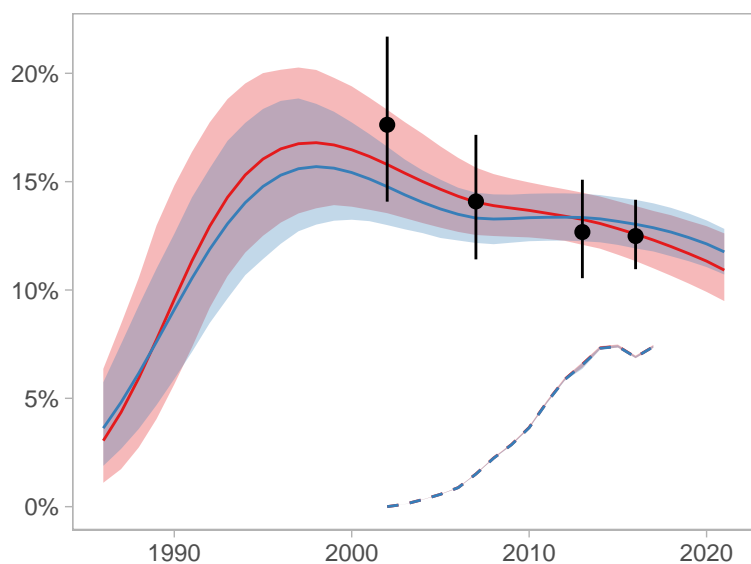


Adult (15+) ART coverage

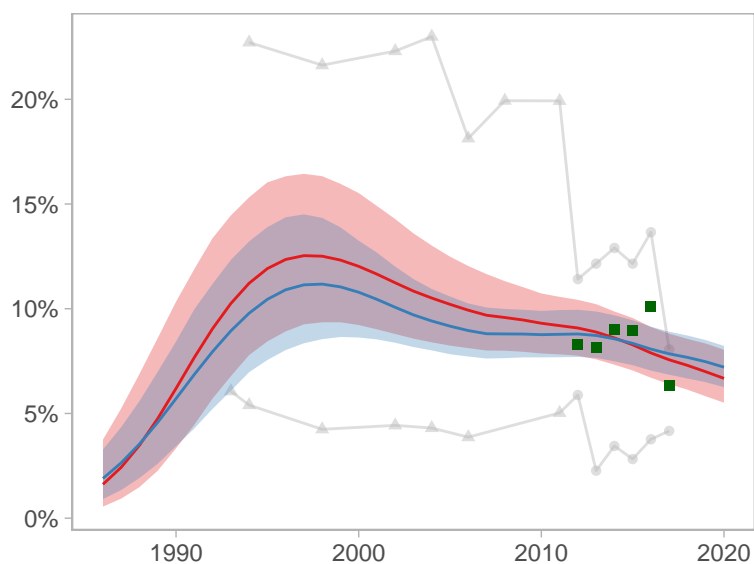


Model: — r-hybrid — r-spline

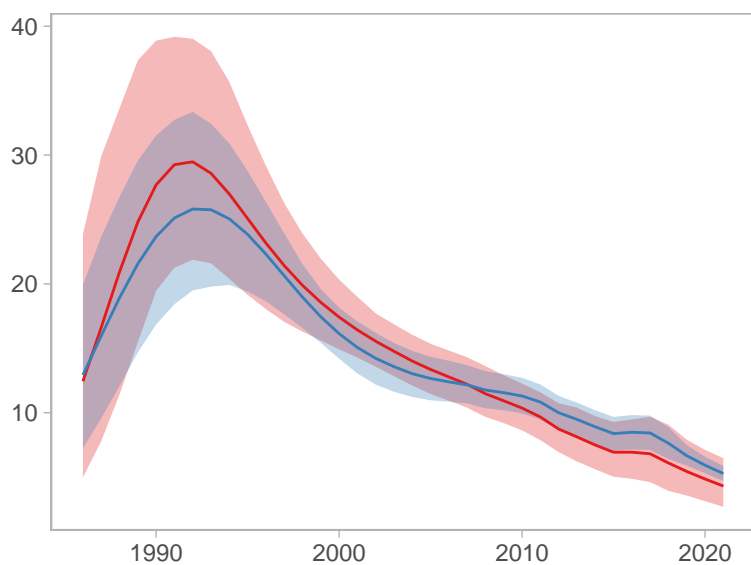
Zambia – Southern HIV prevalence



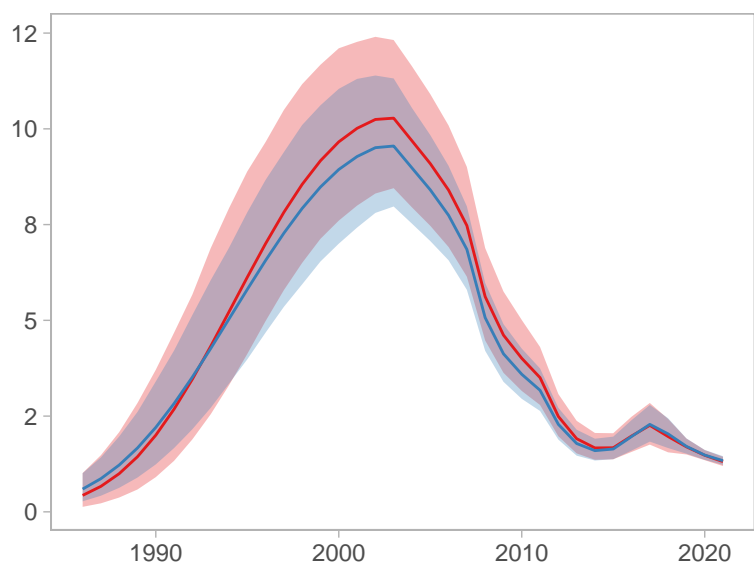
Pregnant women HIV prevalence



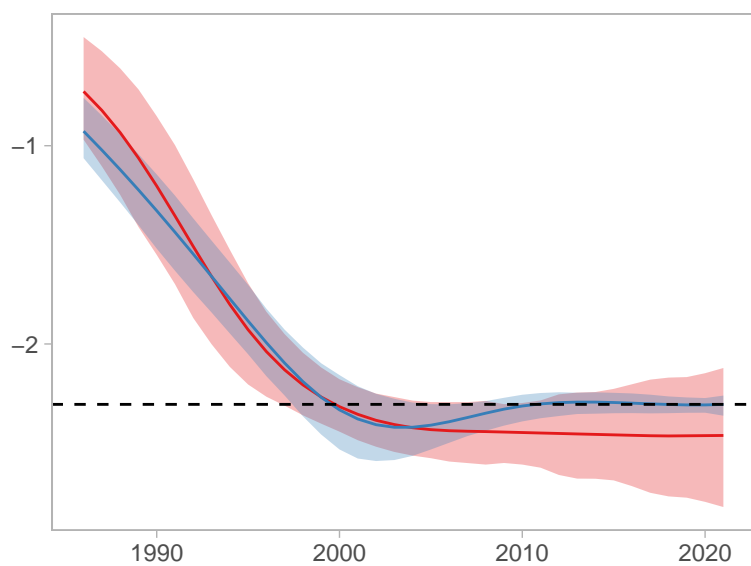
HIV incidence per 1000



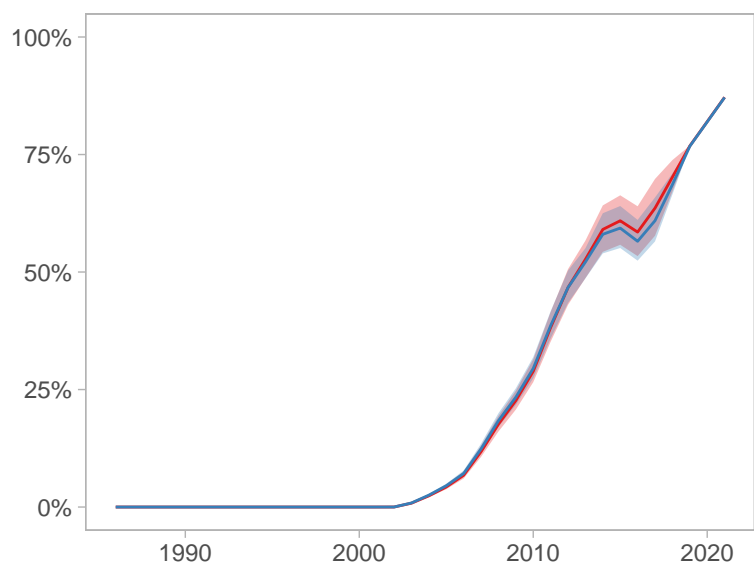
AIDS deaths per 1000 (age 15+)



log r(t)



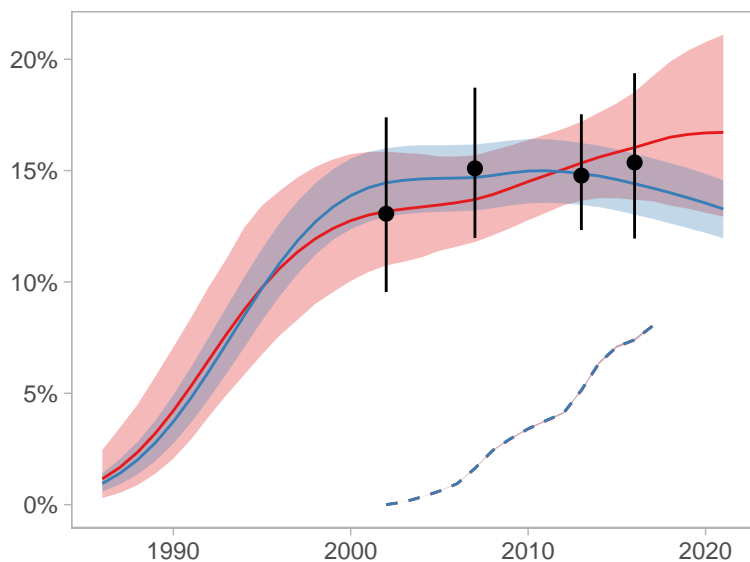
Adult (15+) ART coverage



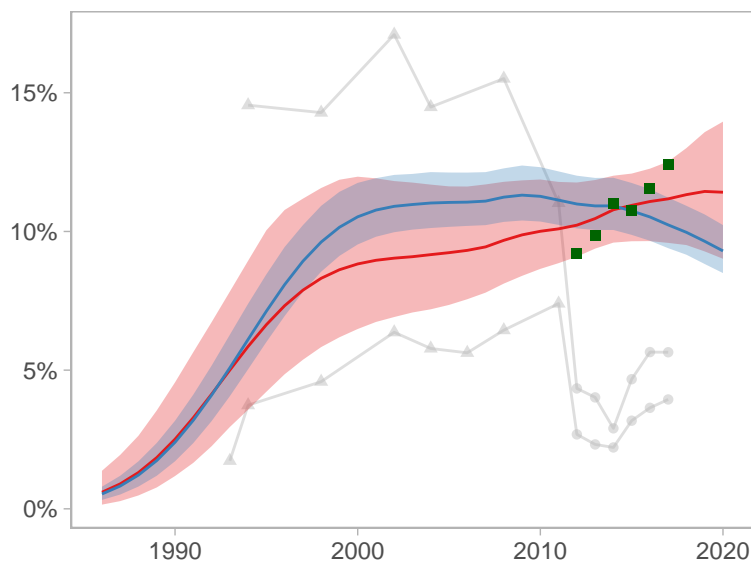
Model: — r-hybrid — r-spline

Zambia – Western

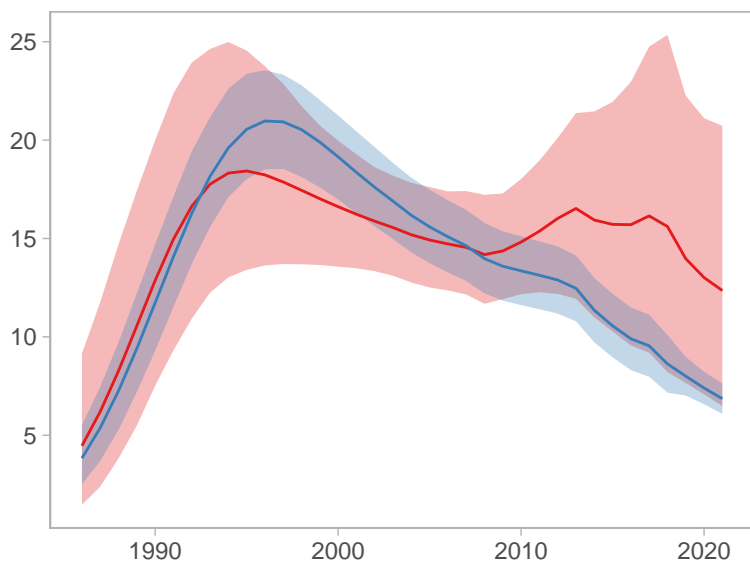
HIV prevalence



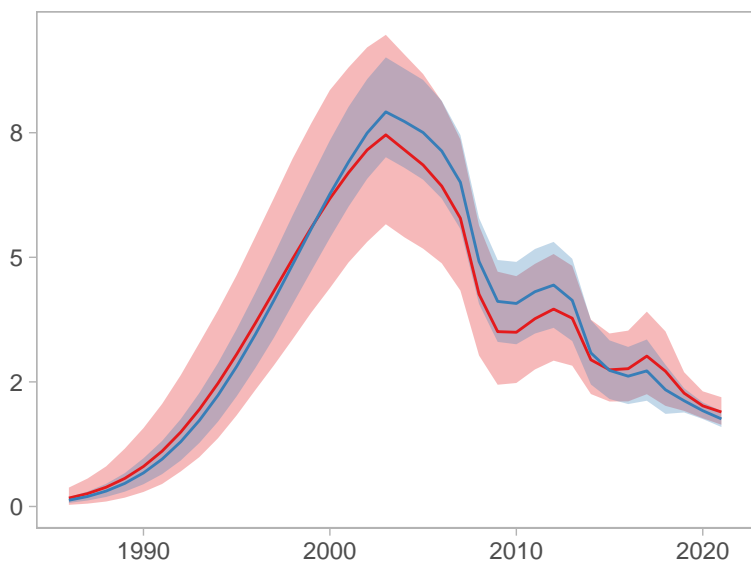
Pregnant women HIV prevalence



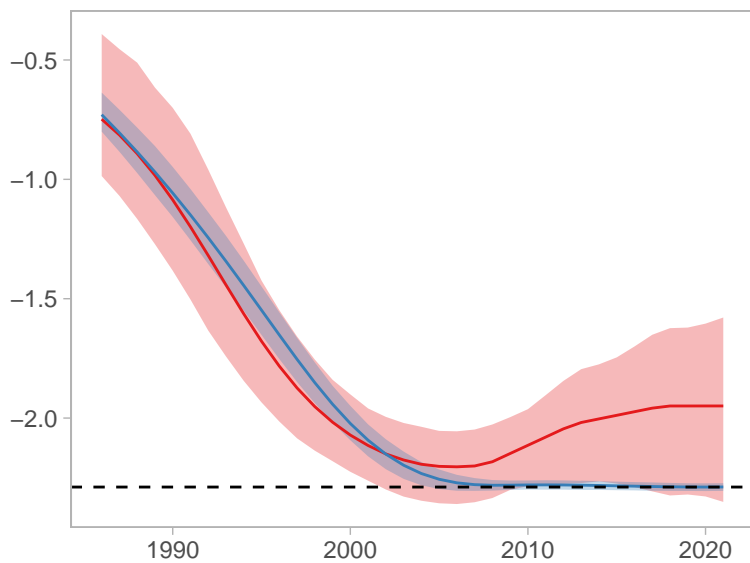
HIV incidence per 1000



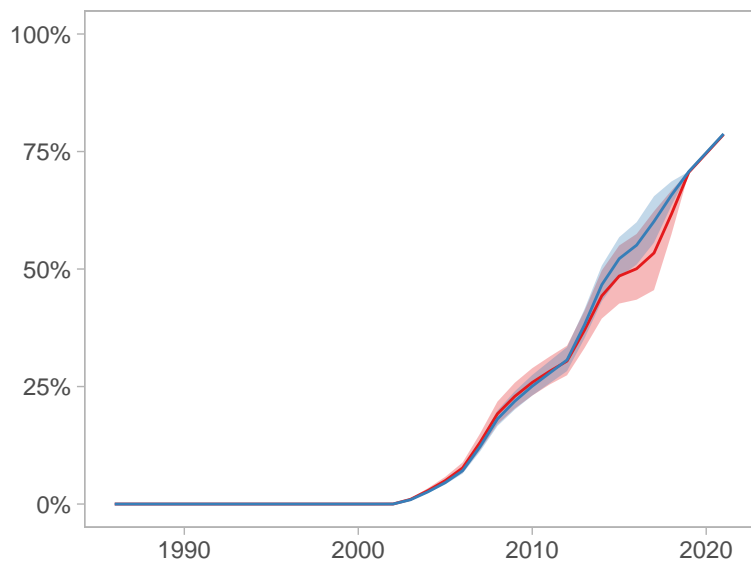
AIDS deaths per 1000 (age 15+)



log r(t)



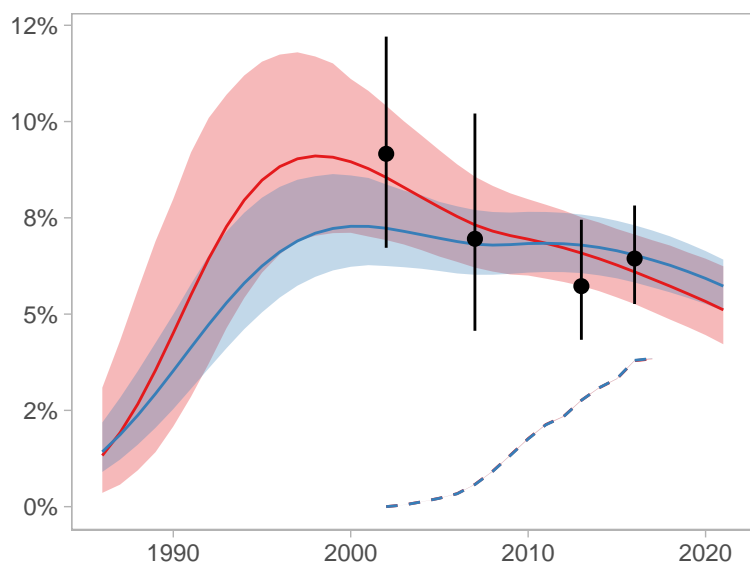
Adult (15+) ART coverage



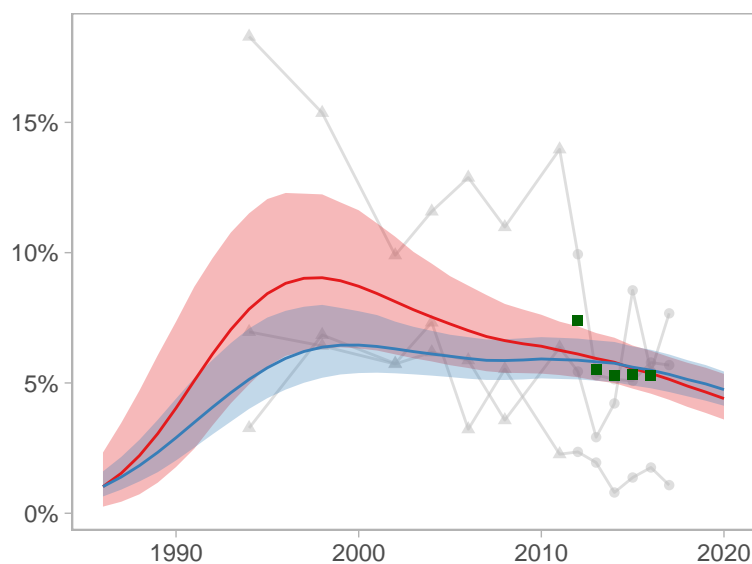
Model: — r-hybrid — r-spline

Zambia – North Western

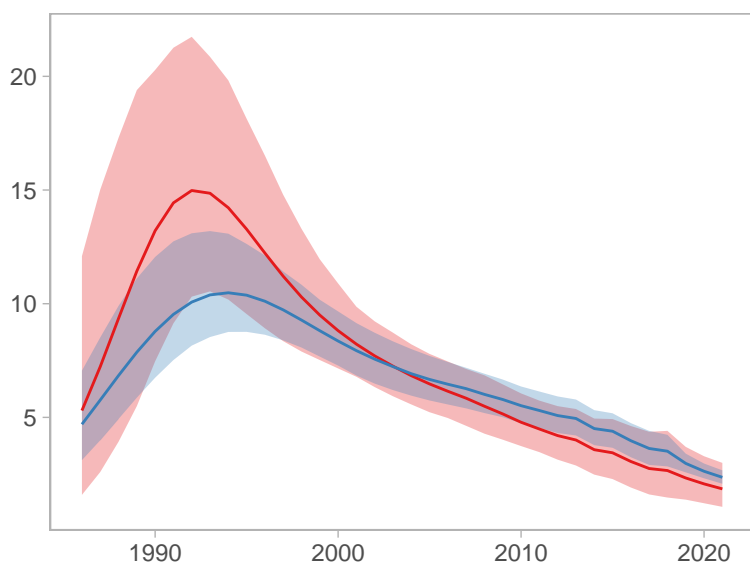
HIV prevalence



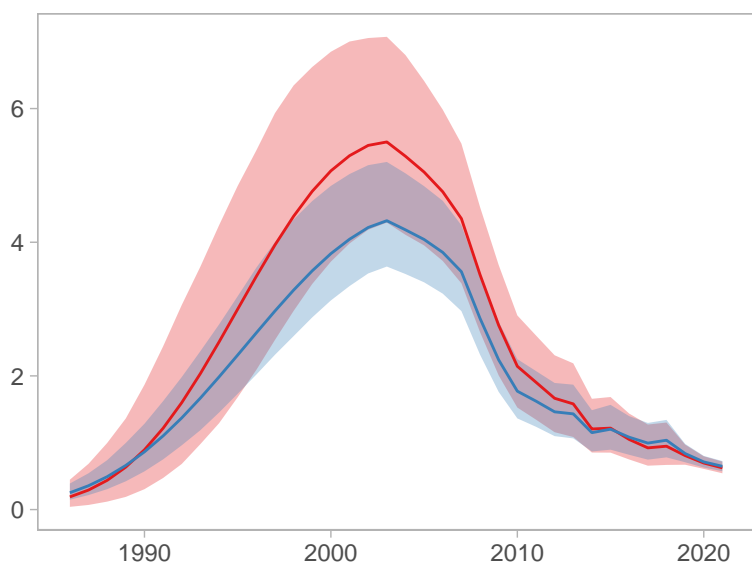
Pregnant women HIV prevalence



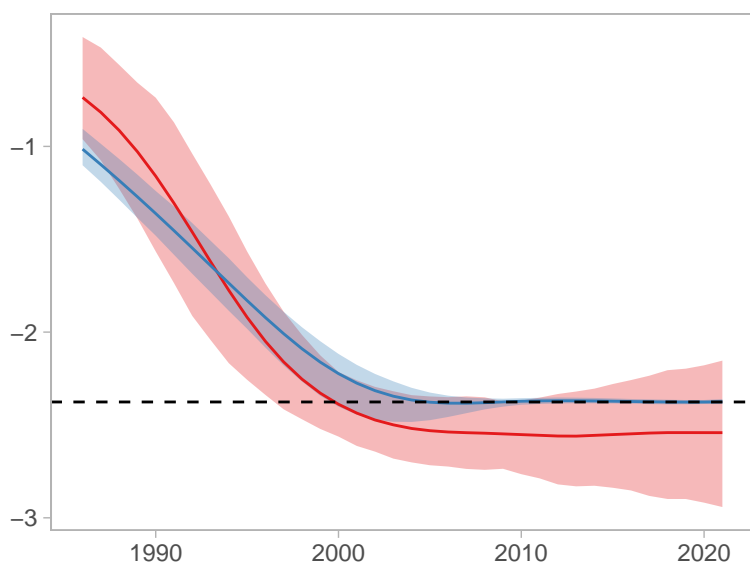
HIV incidence per 1000



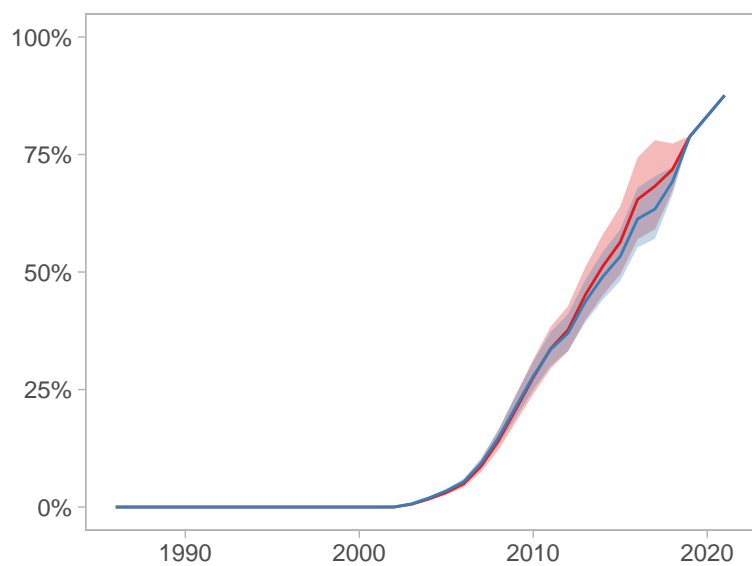
AIDS deaths per 1000 (age 15+)



log r(t)



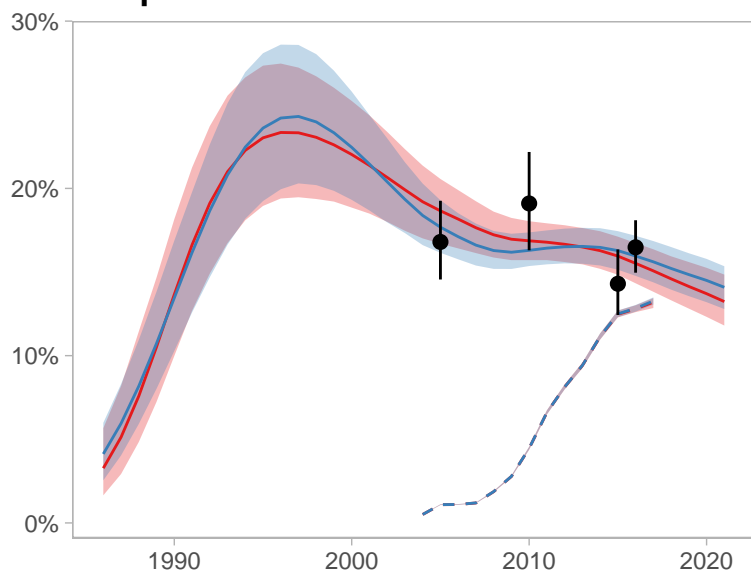
Adult (15+) ART coverage



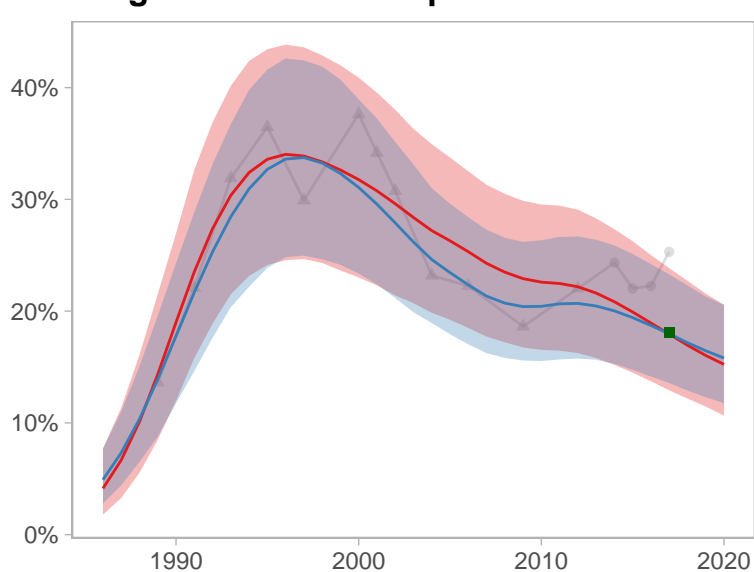
Model: — r-hybrid — r-spline

Zimbabwe – Bulawayo

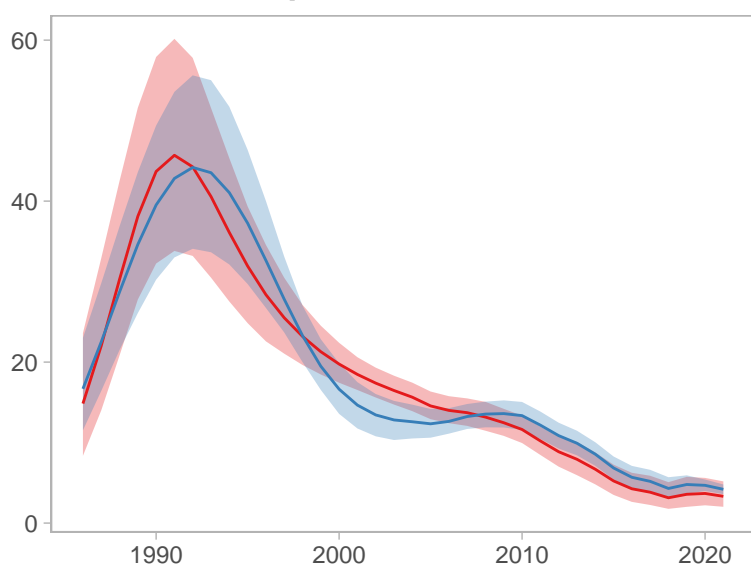
HIV prevalence



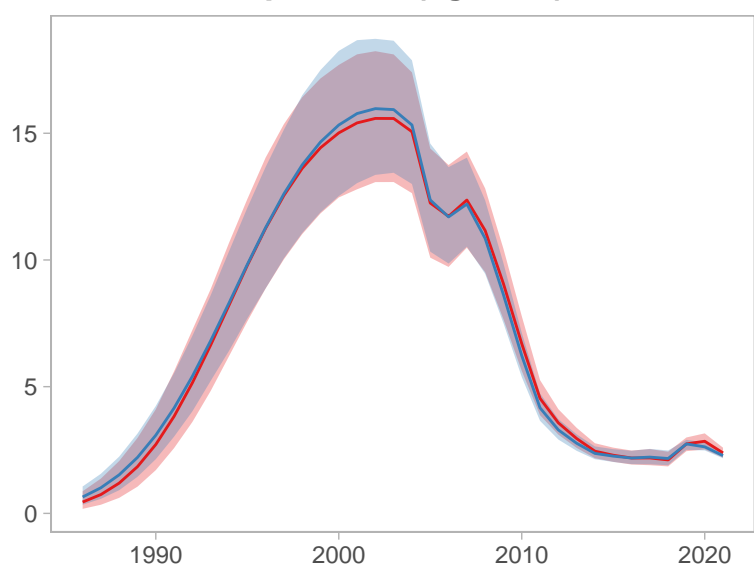
Pregnant women HIV prevalence



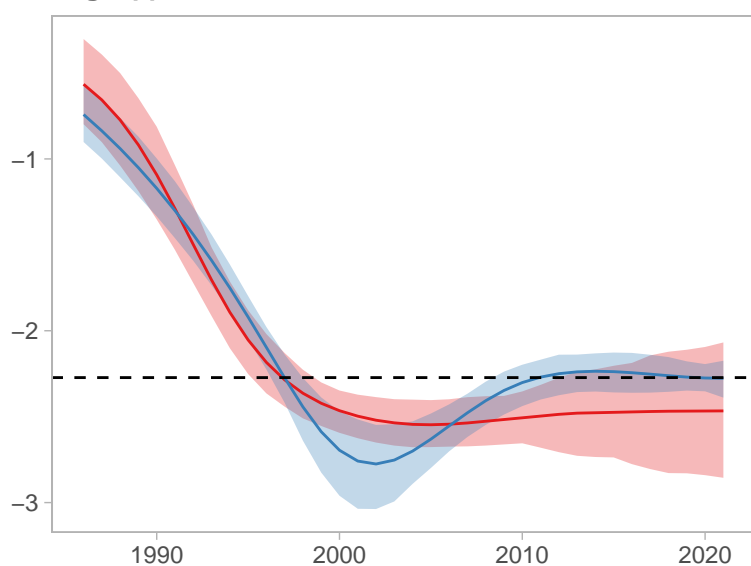
HIV incidence per 1000



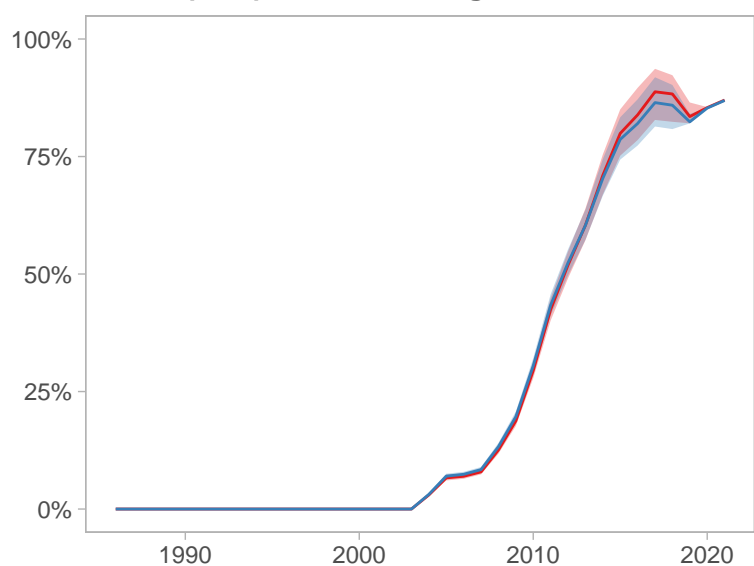
AIDS deaths per 1000 (age 15+)



log r(t)



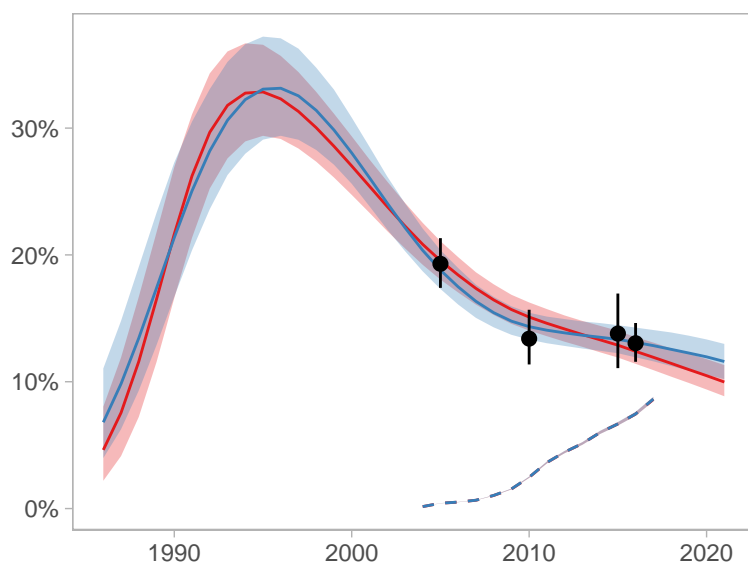
Adult (15+) ART coverage



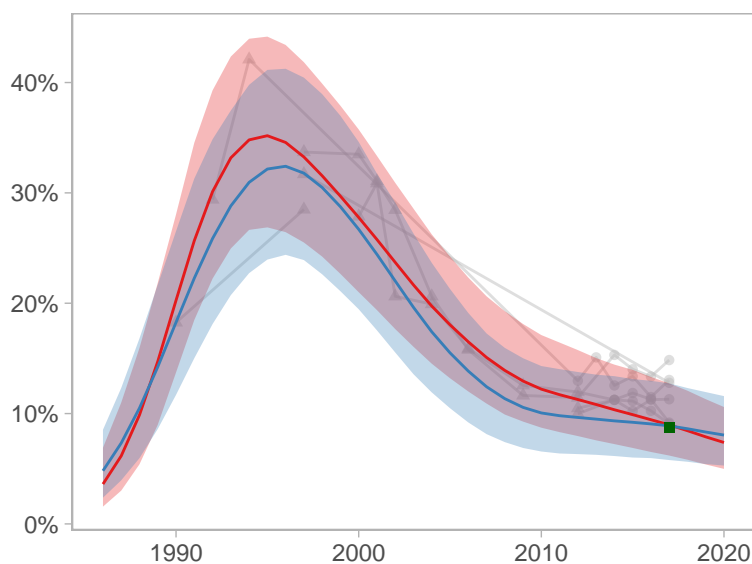
Model: — r-hybrid — r-spline

Zimbabwe – Harare Chitungwiza

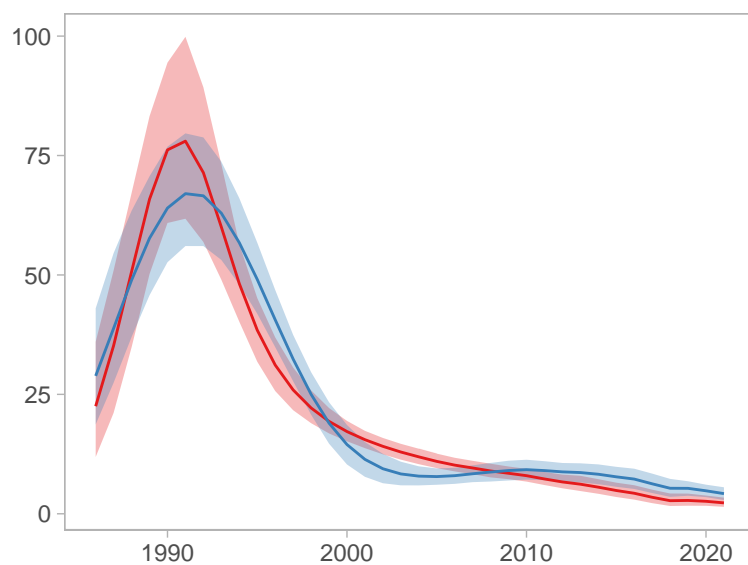
HIV prevalence



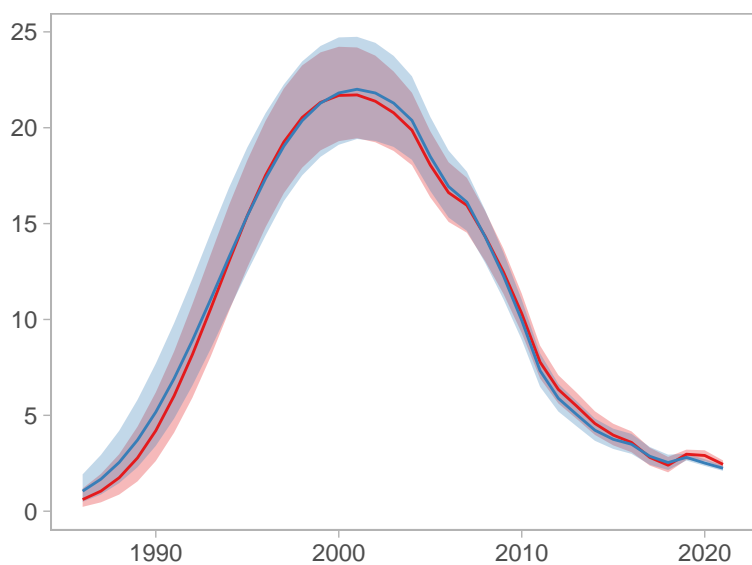
Pregnant women HIV prevalence



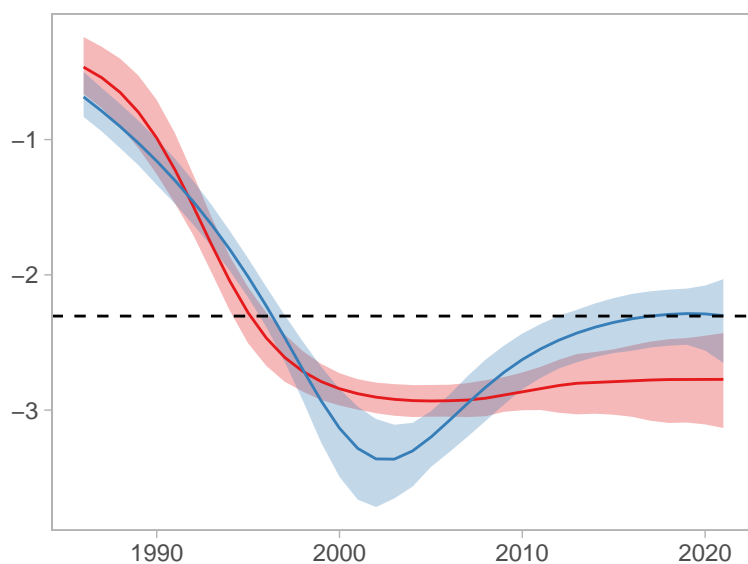
HIV incidence per 1000



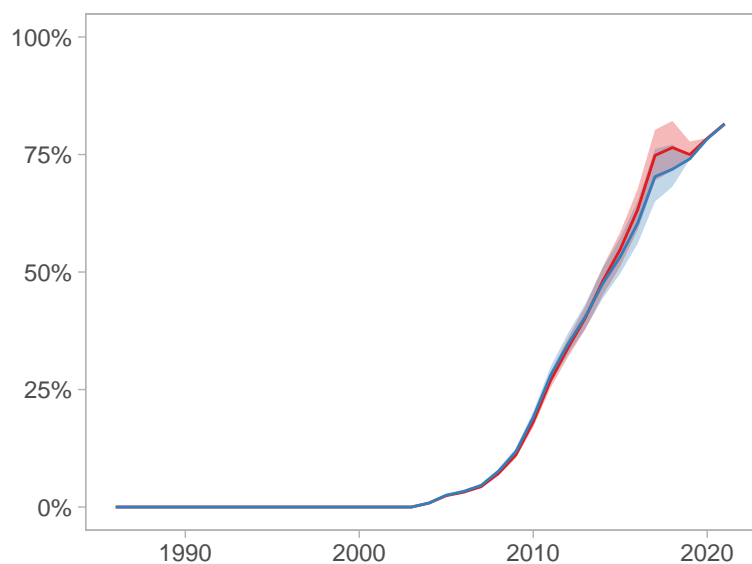
AIDS deaths per 1000 (age 15+)



log r(t)



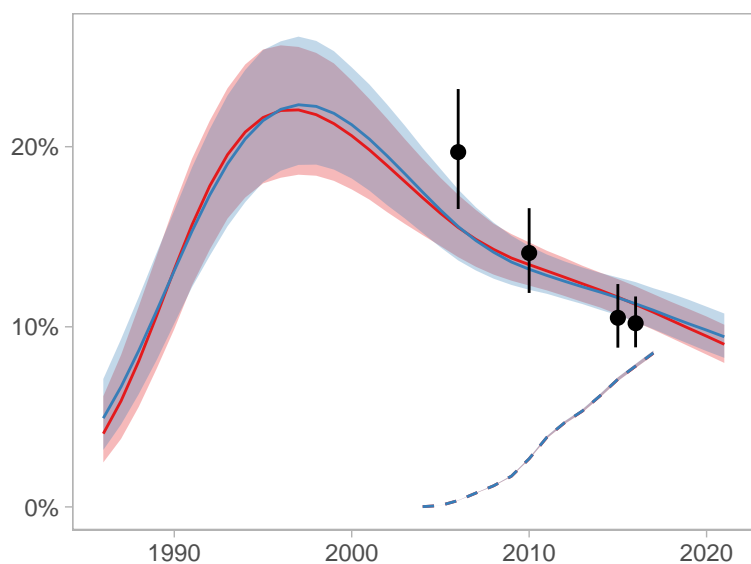
Adult (15+) ART coverage



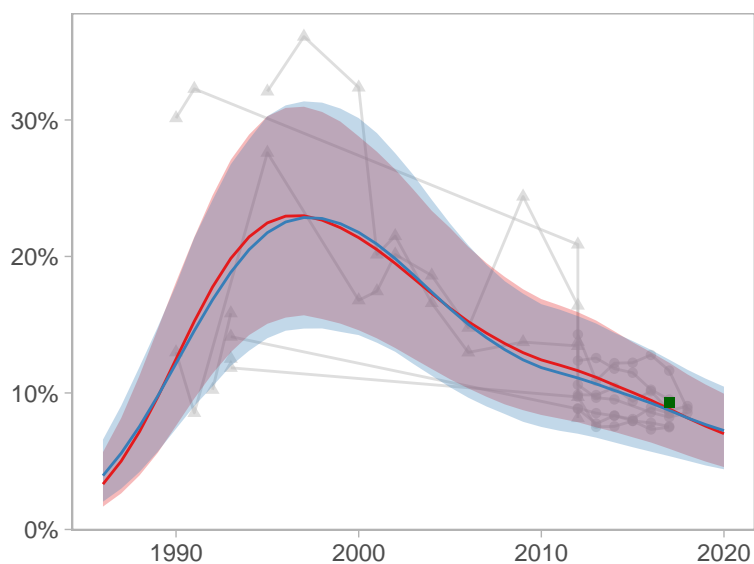
Model: — r-hybrid — r-spline

Zimbabwe – Manicaland

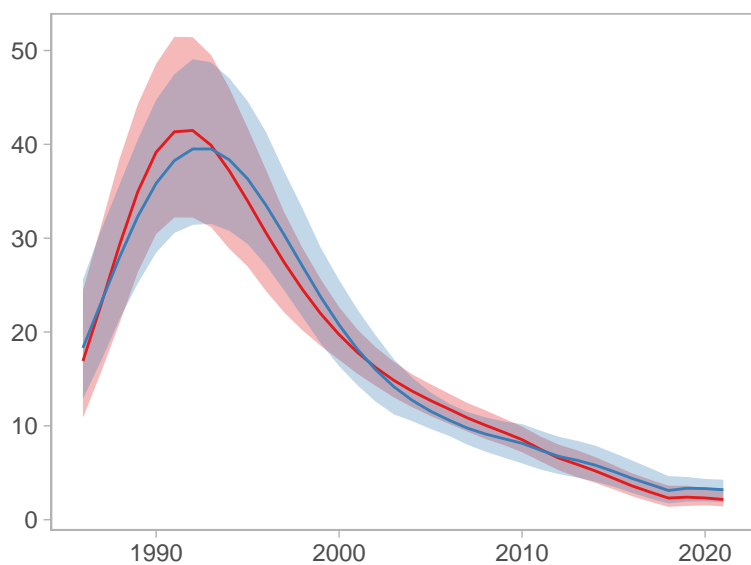
HIV prevalence



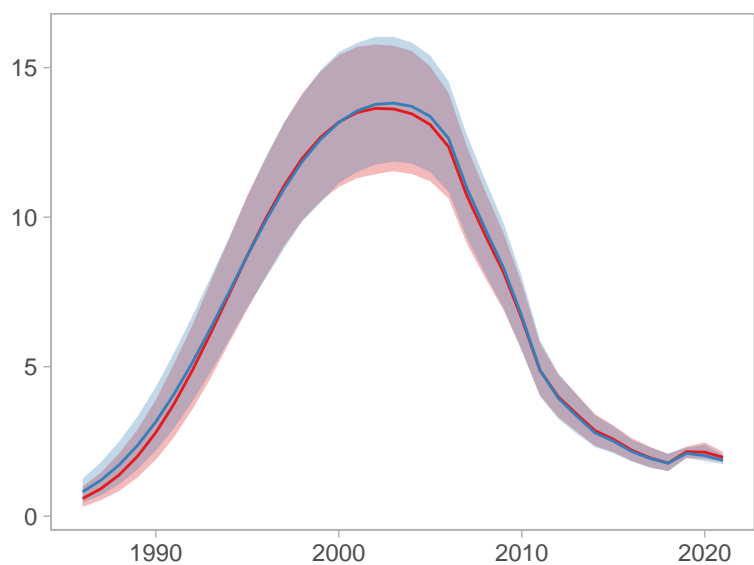
Pregnant women HIV prevalence



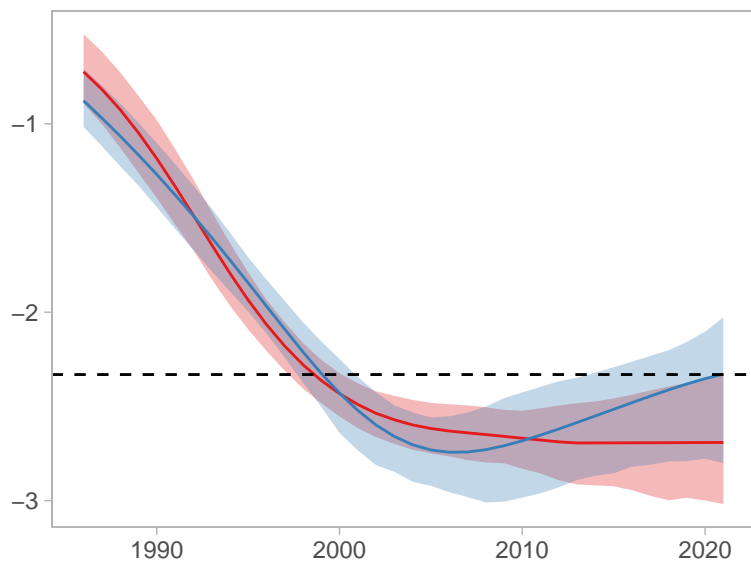
HIV incidence per 1000



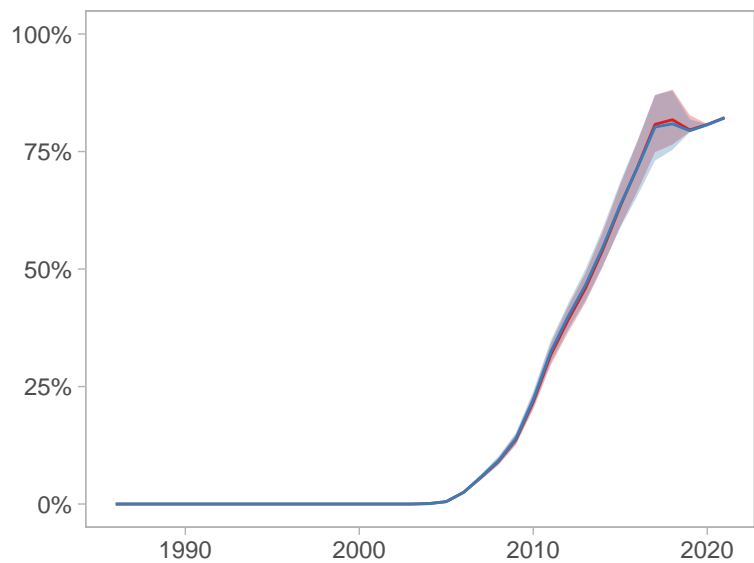
AIDS deaths per 1000 (age 15+)



log r(t)



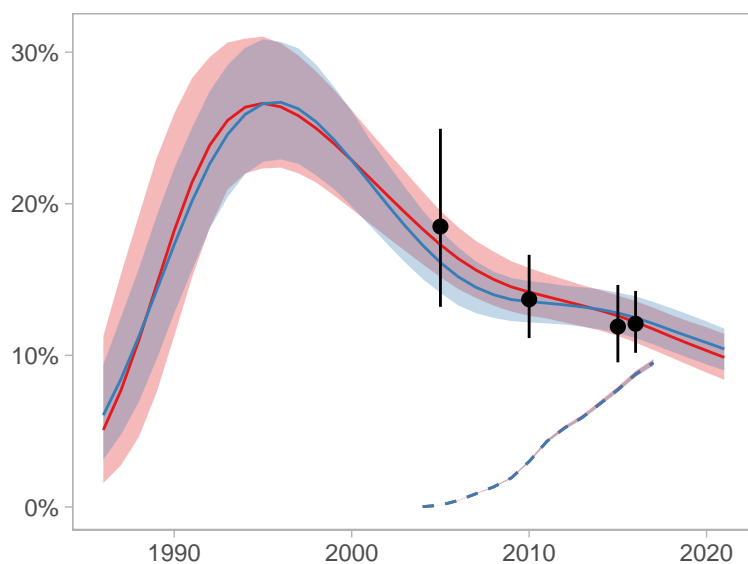
Adult (15+) ART coverage



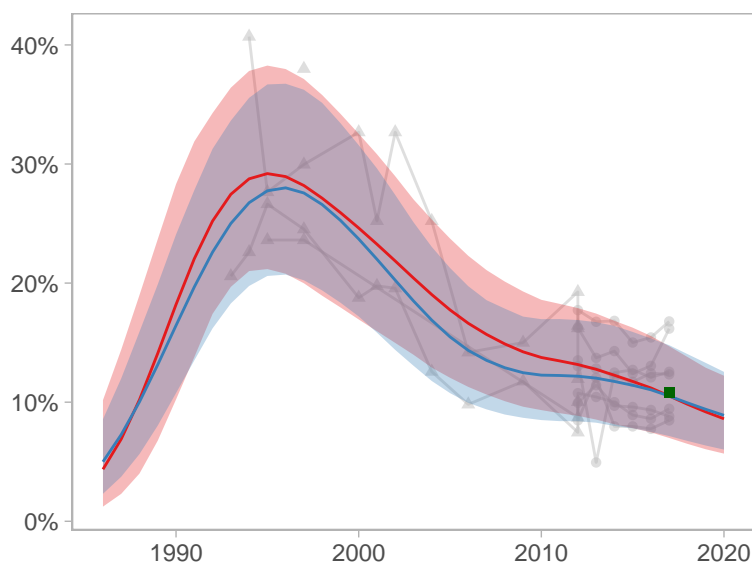
Model: ■ r-hybrid ■ r-spline

Zimbabwe – Mashonaland Central

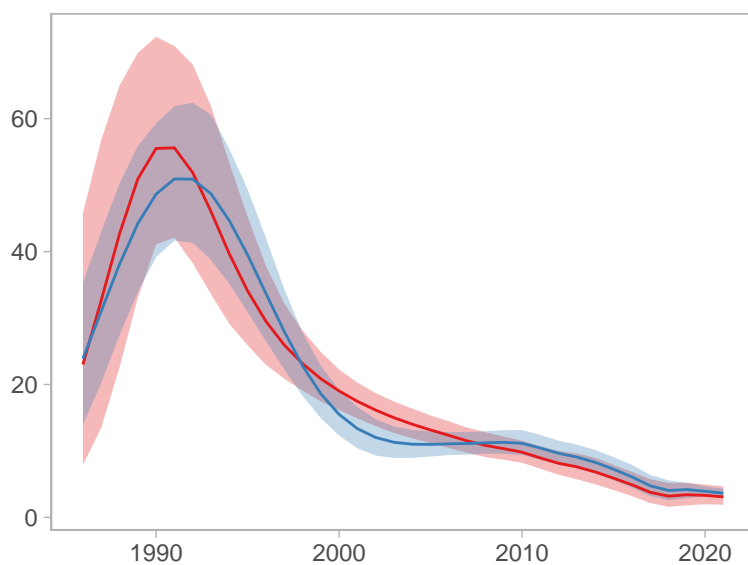
HIV prevalence



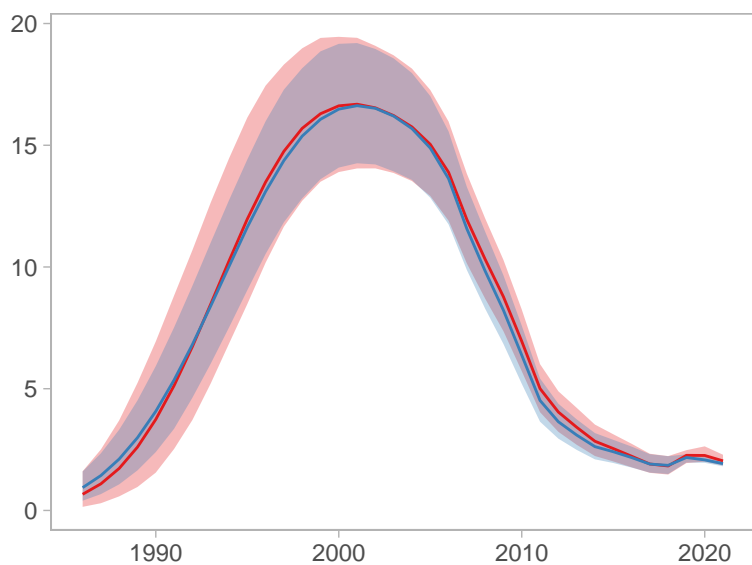
Pregnant women HIV prevalence



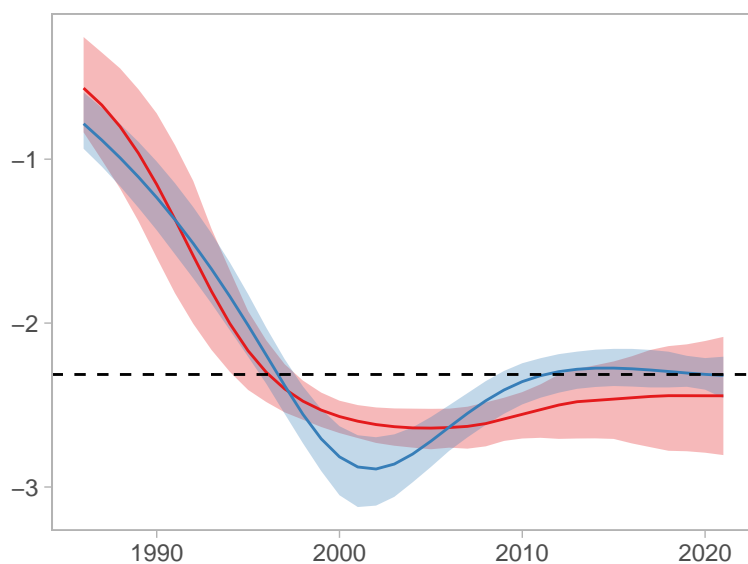
HIV incidence per 1000



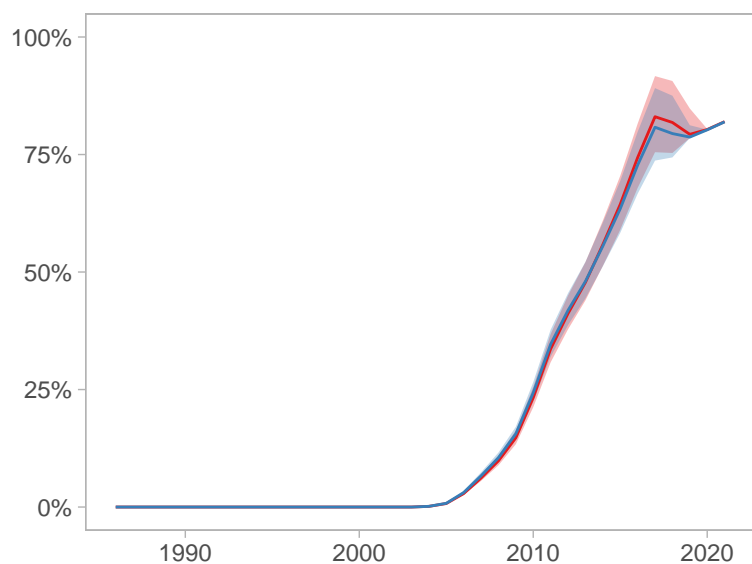
AIDS deaths per 1000 (age 15+)



log r(t)



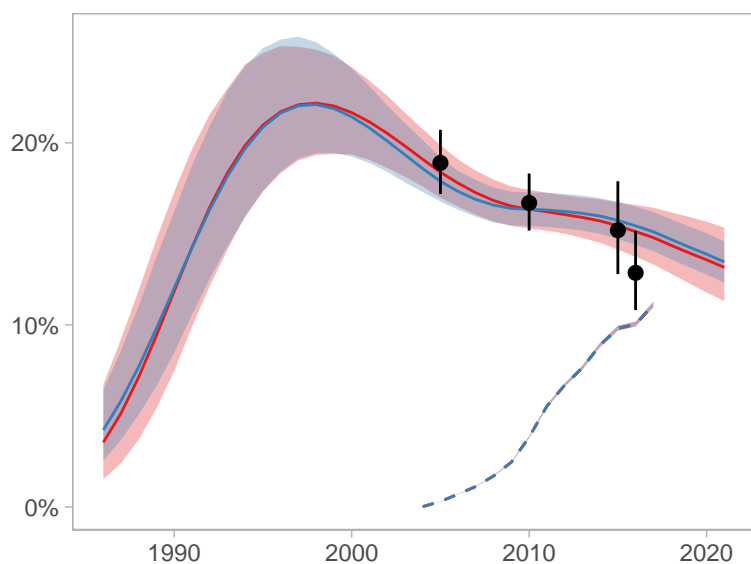
Adult (15+) ART coverage



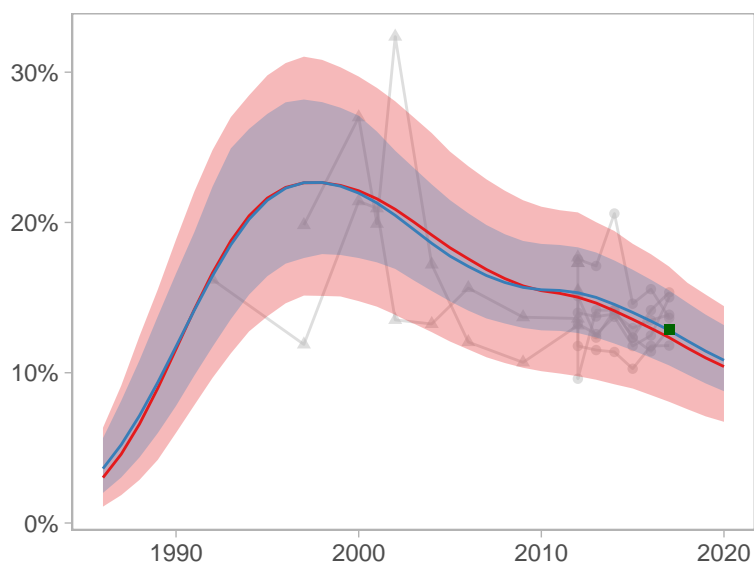
Model: — r-hybrid — r-spline

Zimbabwe – Mashonaland East

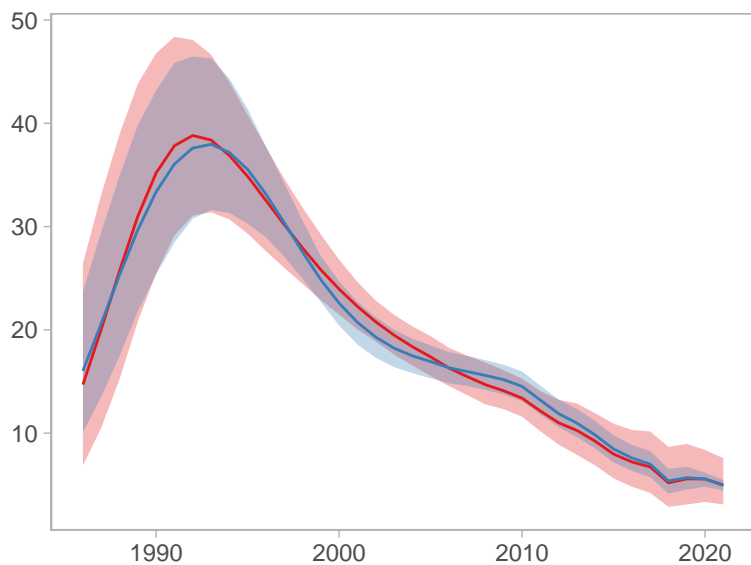
HIV prevalence



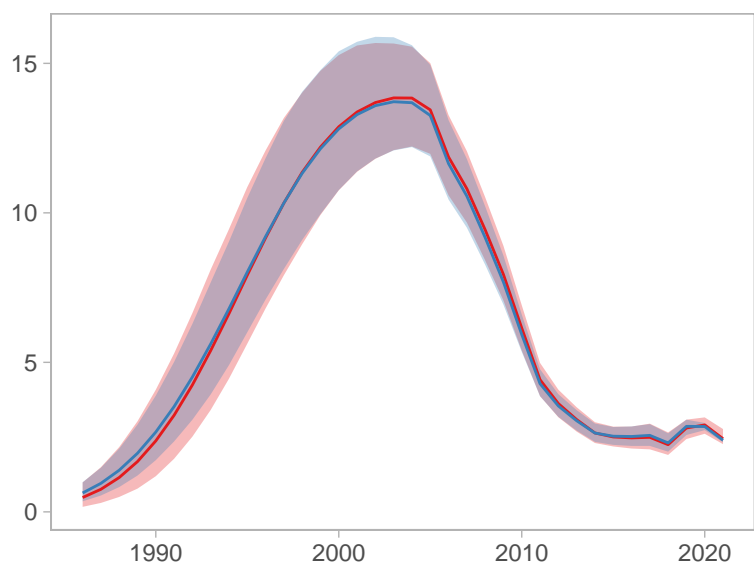
Pregnant women HIV prevalence



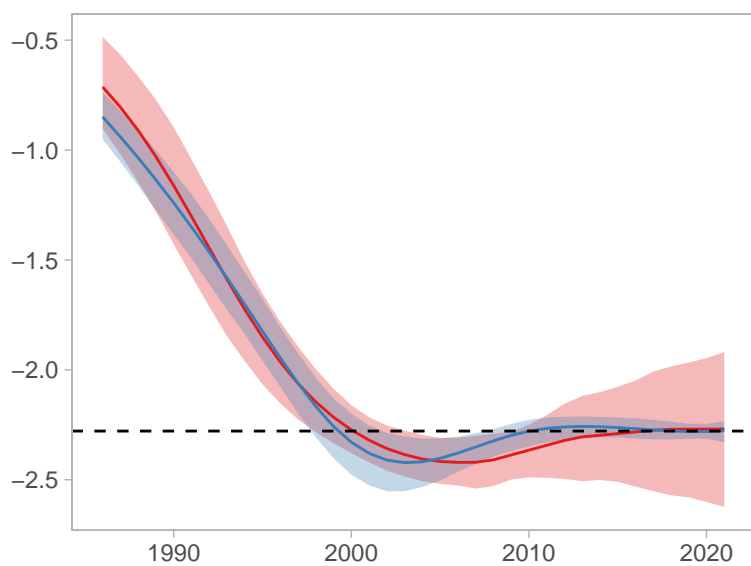
HIV incidence per 1000



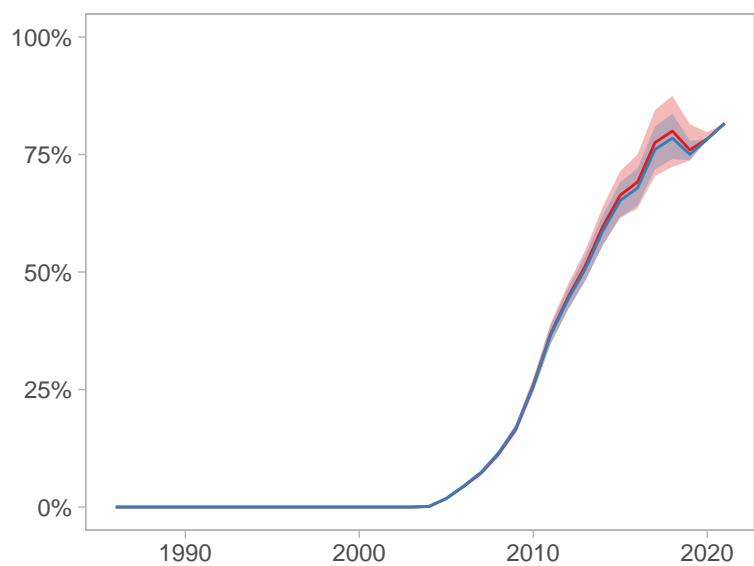
AIDS deaths per 1000 (age 15+)



log r(t)



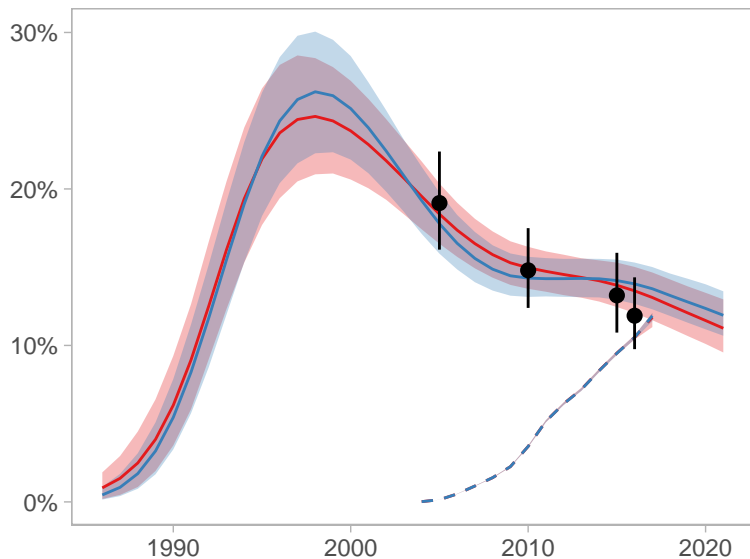
Adult (15+) ART coverage



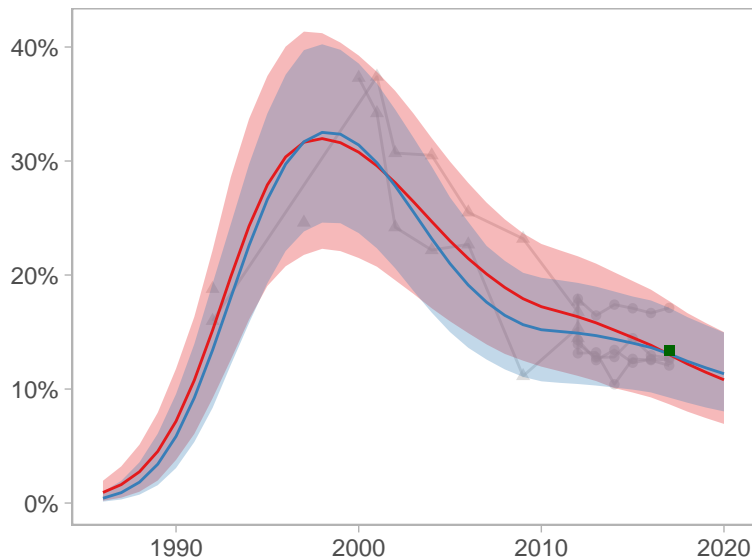
Model: — r-hybrid — r-spline

Zimbabwe – Mashonaland West

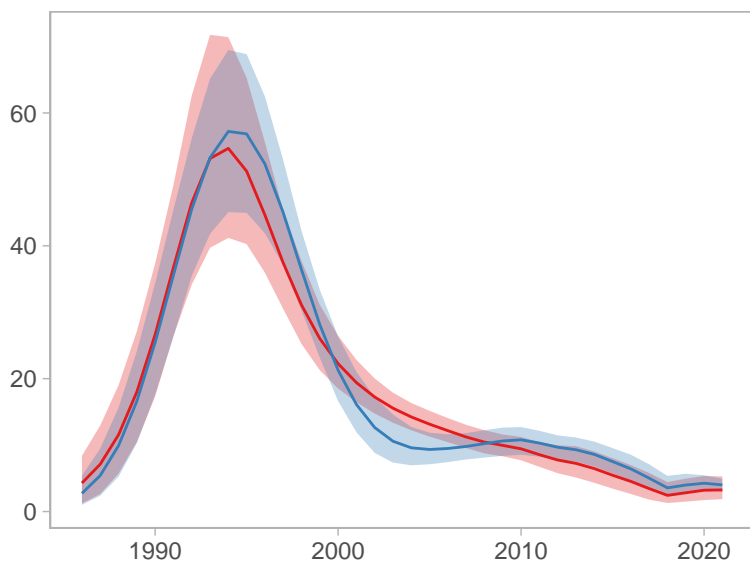
HIV prevalence



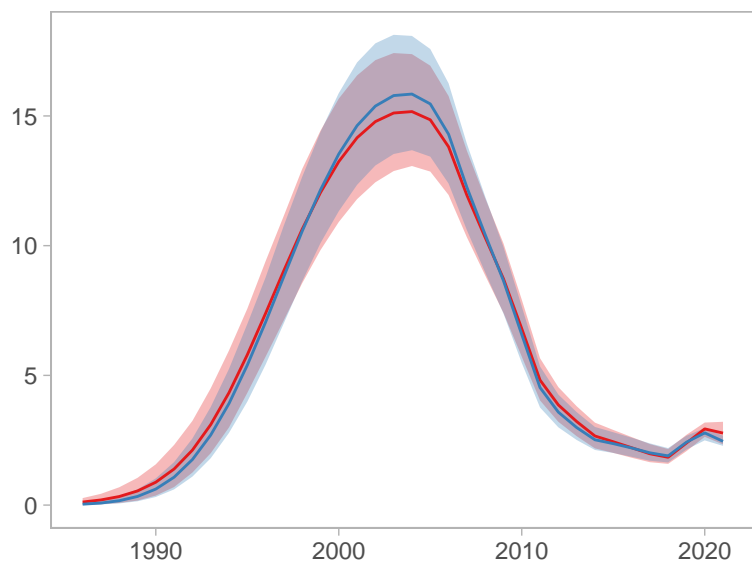
Pregnant women HIV prevalence



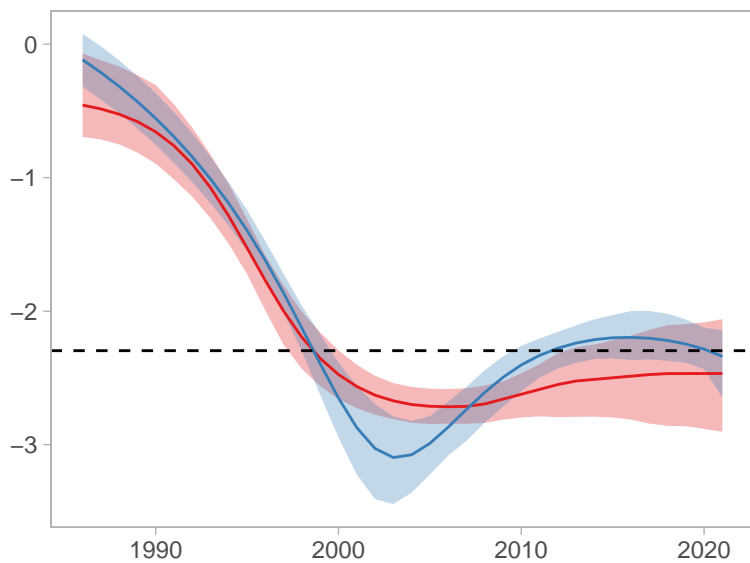
HIV incidence per 1000



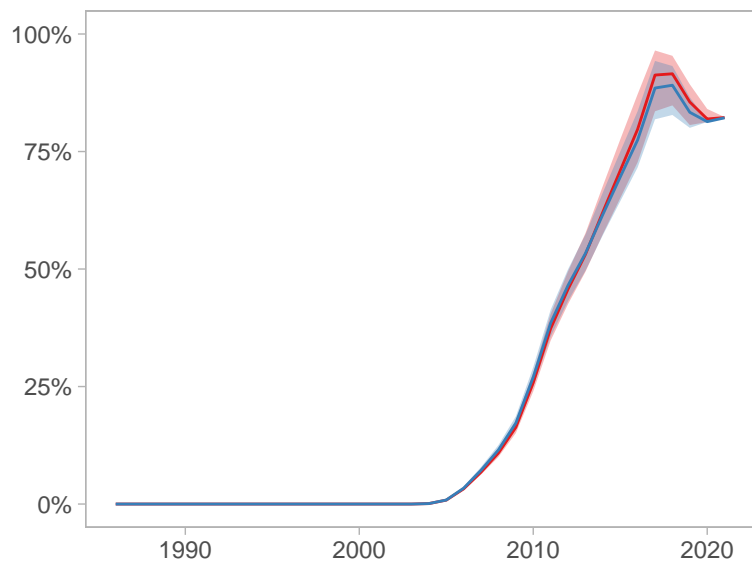
AIDS deaths per 1000 (age 15+)



$\log r(t)$



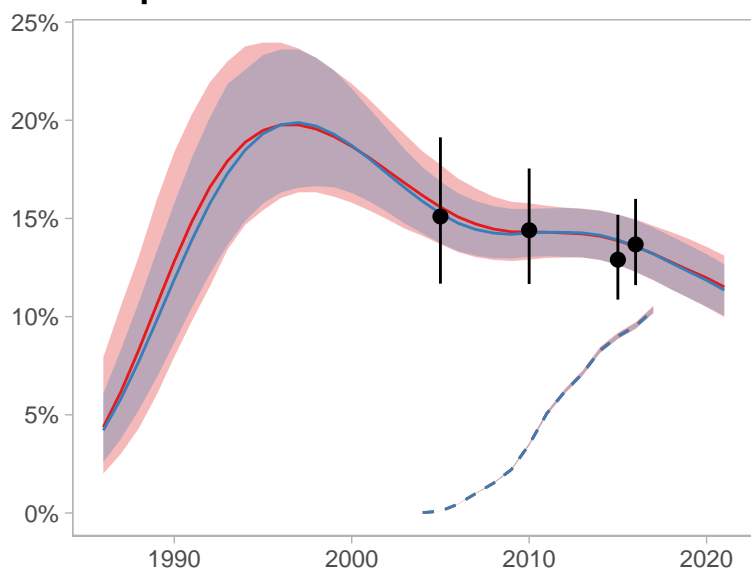
Adult (15+) ART coverage



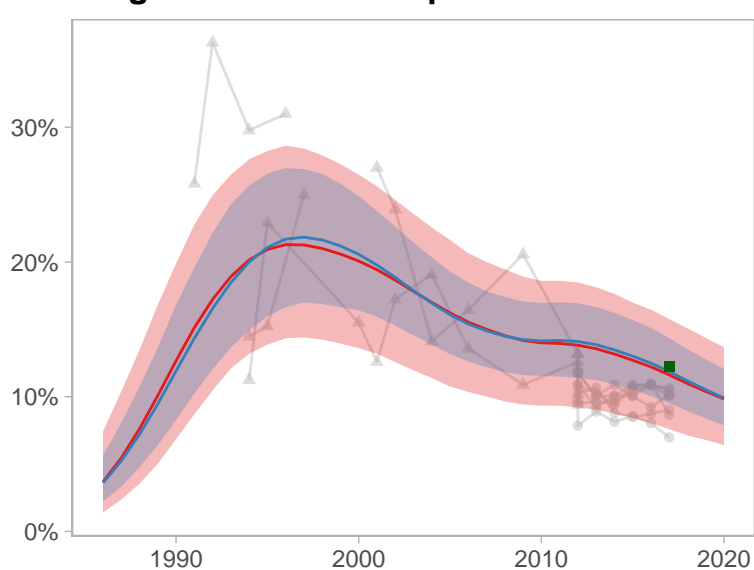
Model: — r-hybrid — r-spline

Zimbabwe – Masvingo

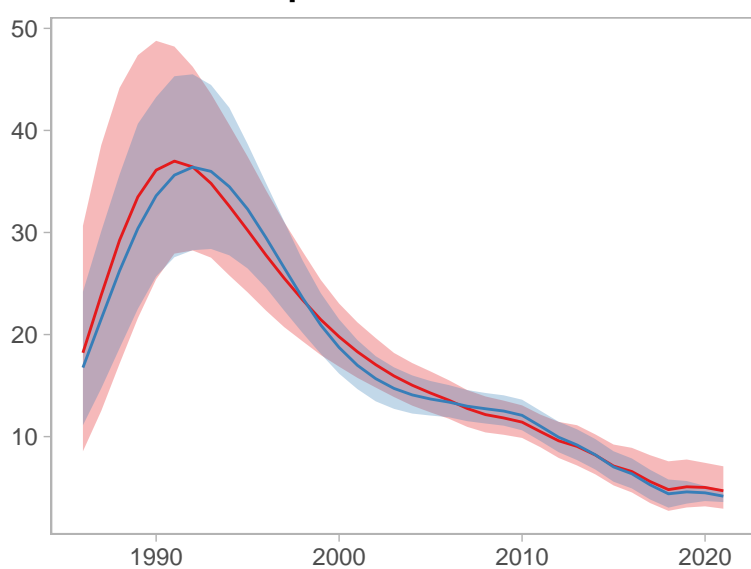
HIV prevalence



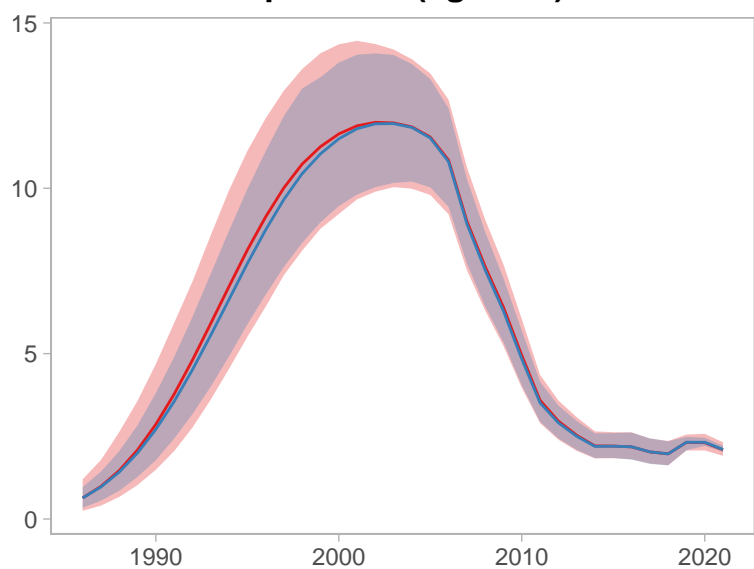
Pregnant women HIV prevalence



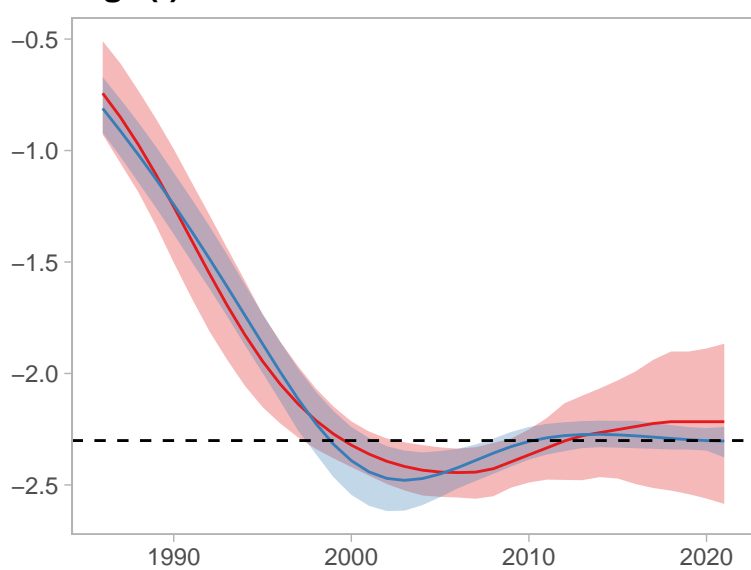
HIV incidence per 1000



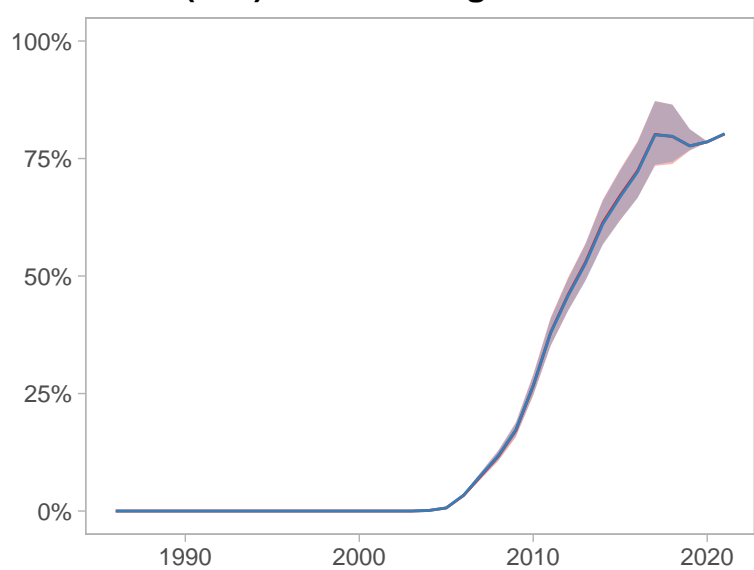
AIDS deaths per 1000 (age 15+)



log r(t)



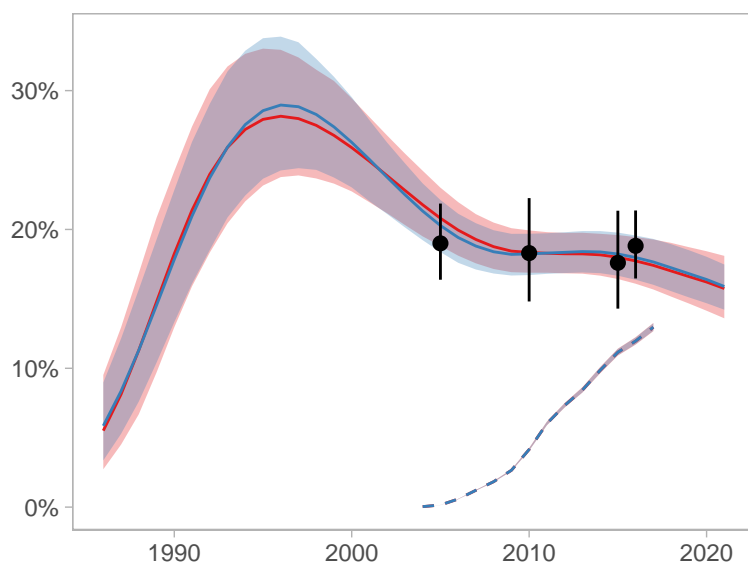
Adult (15+) ART coverage



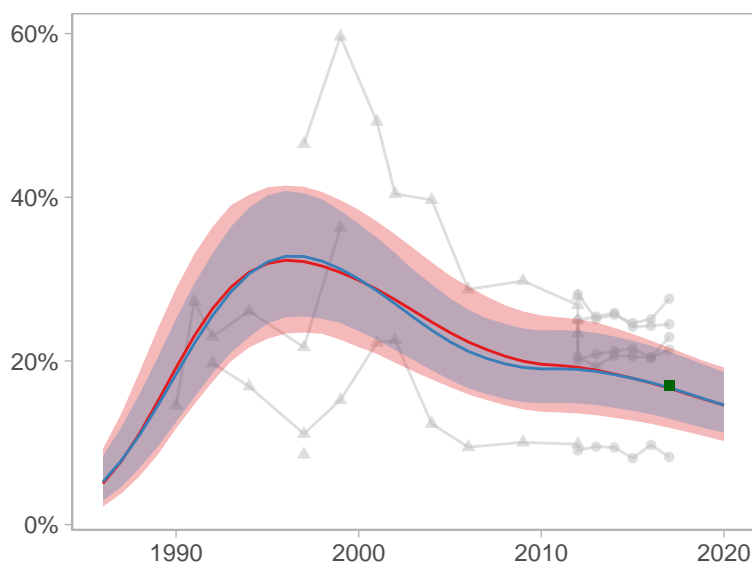
Model: ■ r-hybrid ■ r-spline

Zimbabwe – Matabeleland North

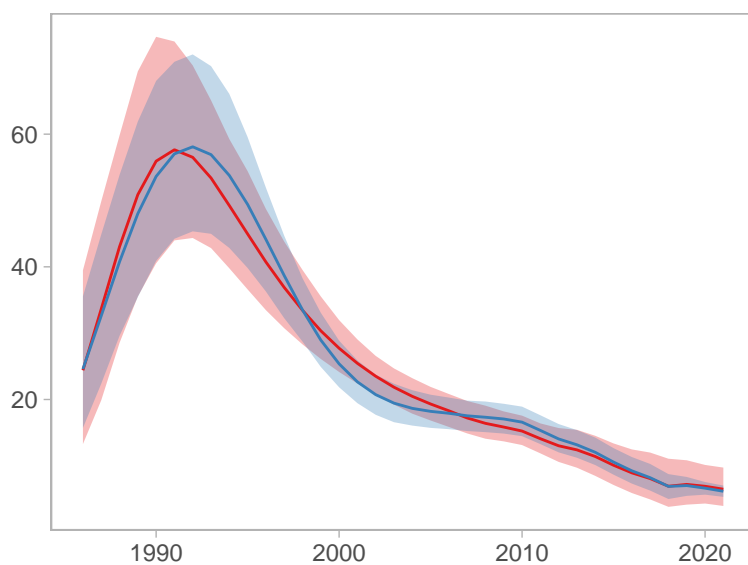
HIV prevalence



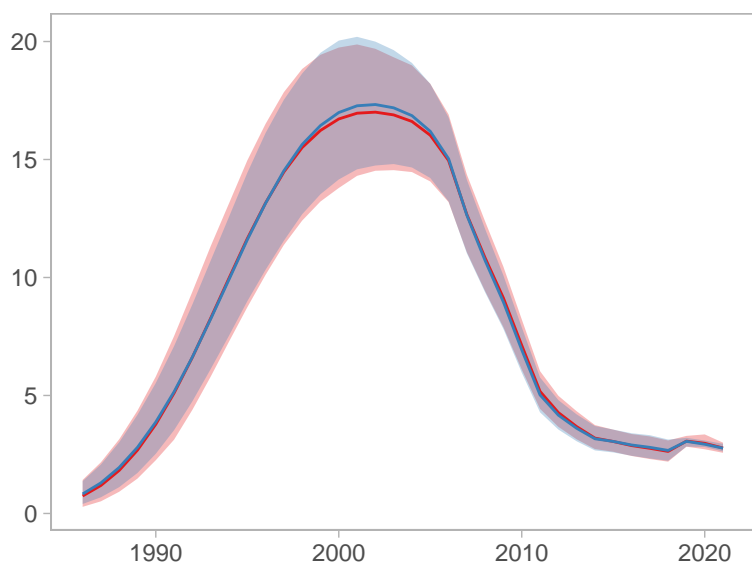
Pregnant women HIV prevalence



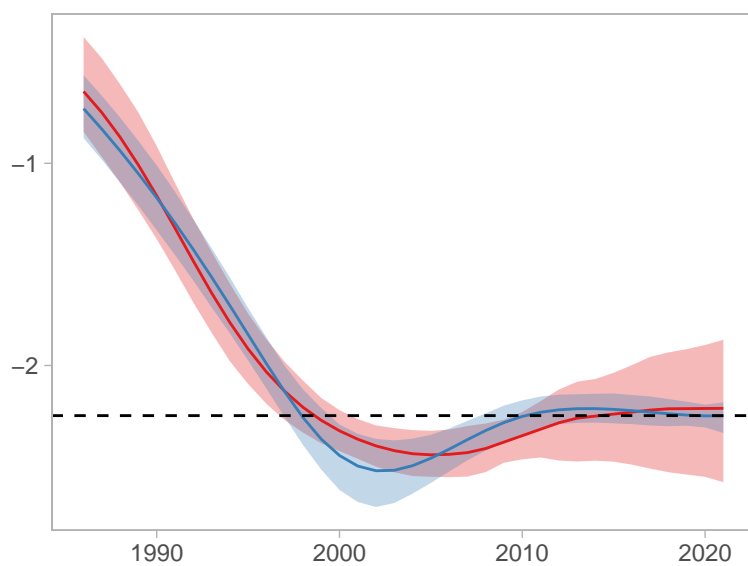
HIV incidence per 1000



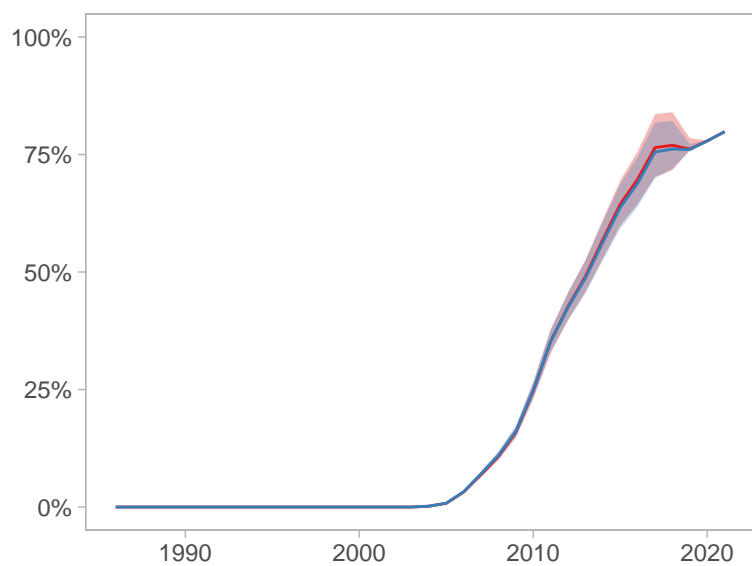
AIDS deaths per 1000 (age 15+)



log r(t)



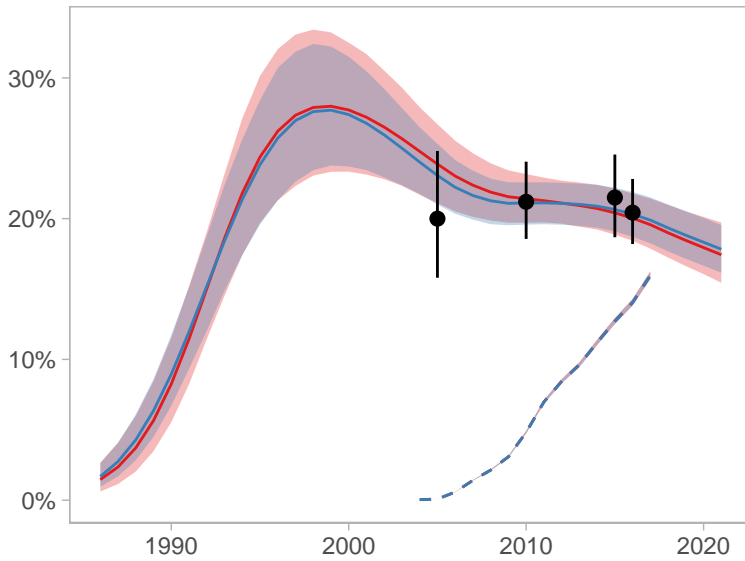
Adult (15+) ART coverage



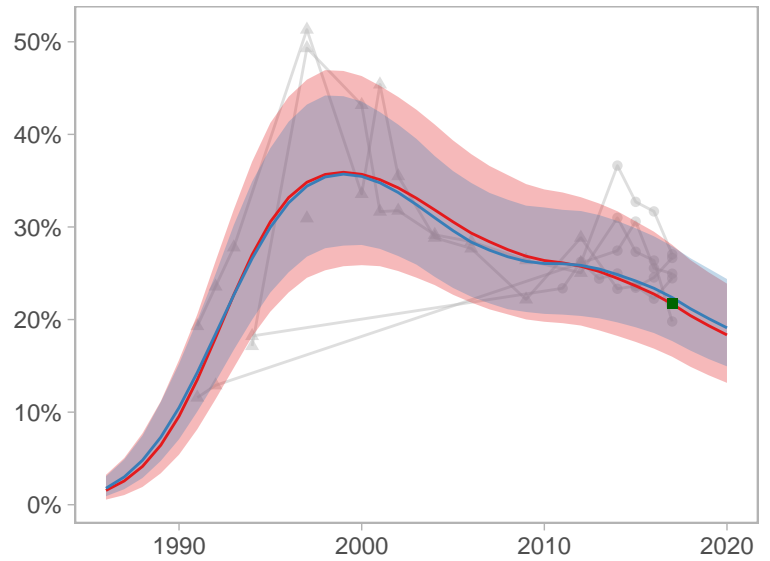
Model: ■ r-hybrid ■ r-spline

Zimbabwe – Matabeleland South

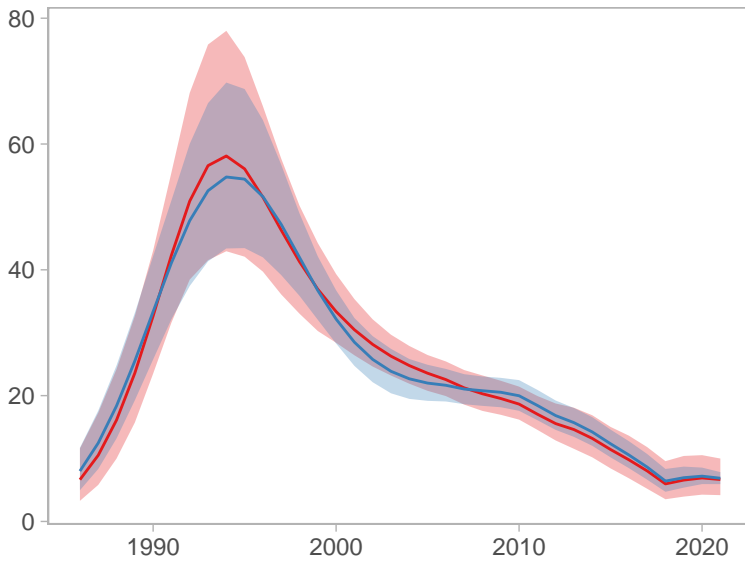
HIV prevalence



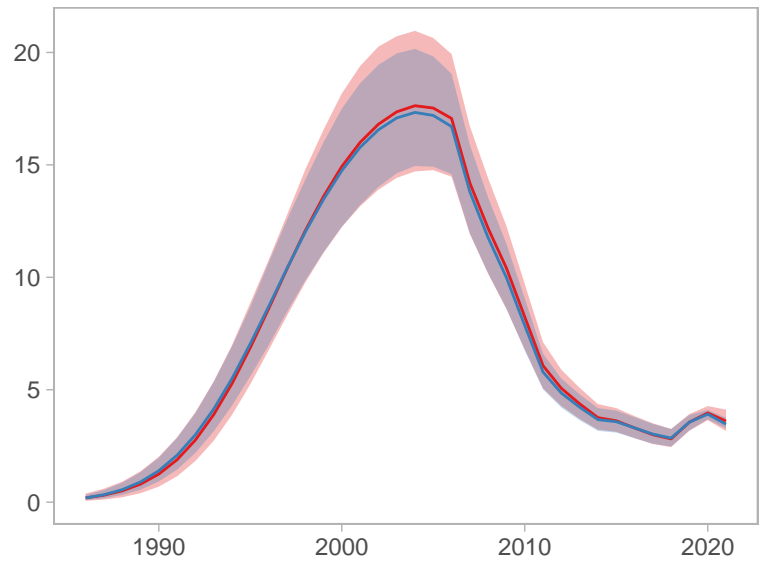
Pregnant women HIV prevalence



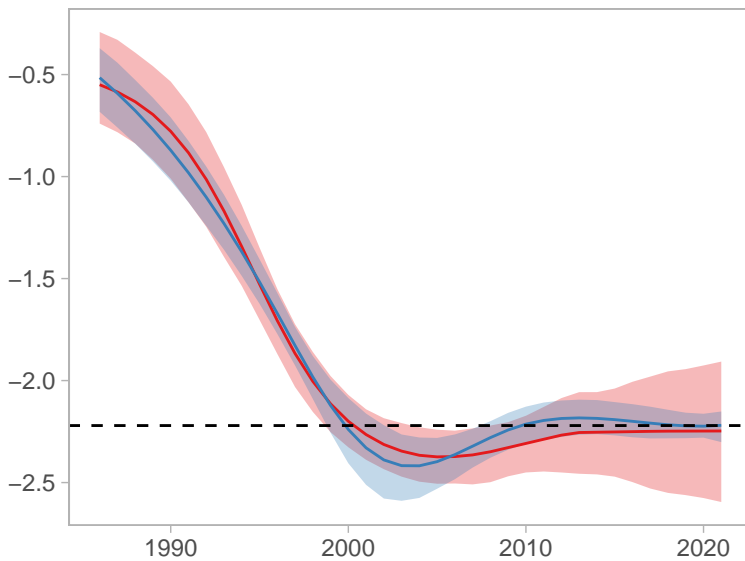
HIV incidence per 1000



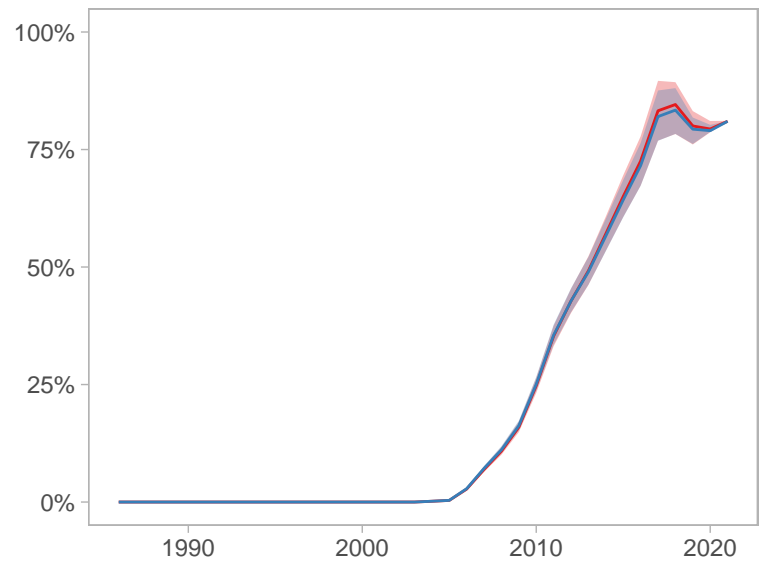
AIDS deaths per 1000 (age 15+)



log r(t)



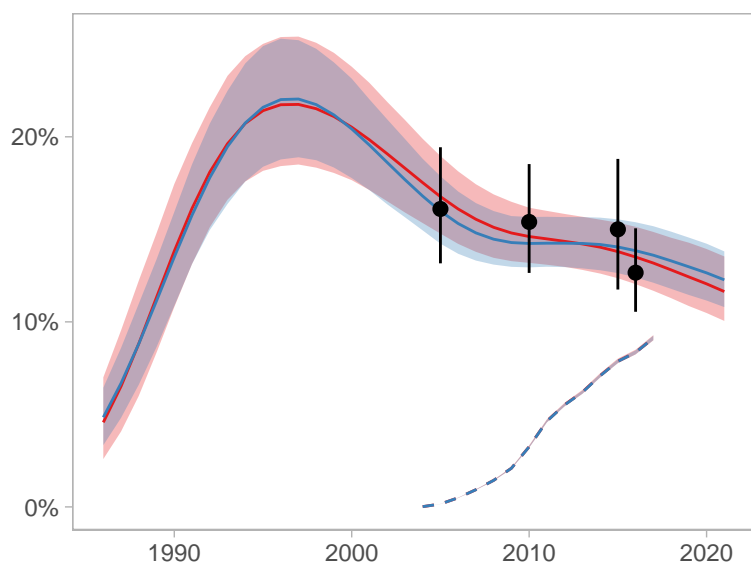
Adult (15+) ART coverage



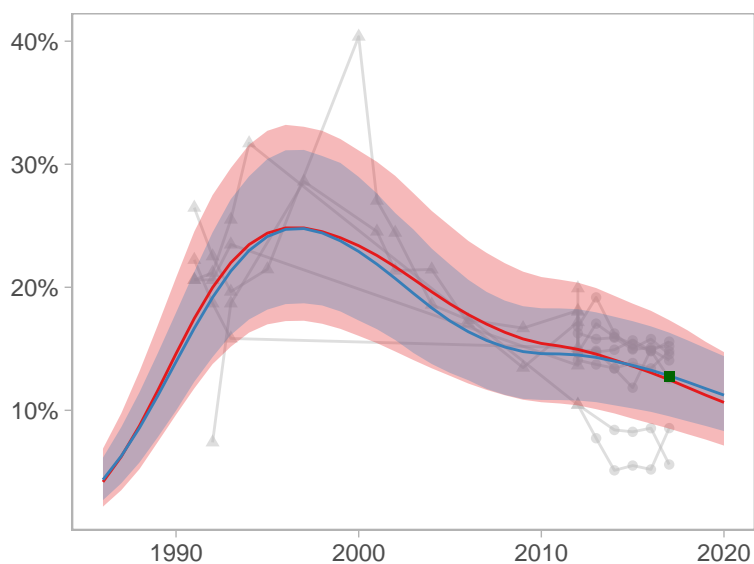
Model: ■ r-hybrid ■ r-spline

Zimbabwe – Midlands

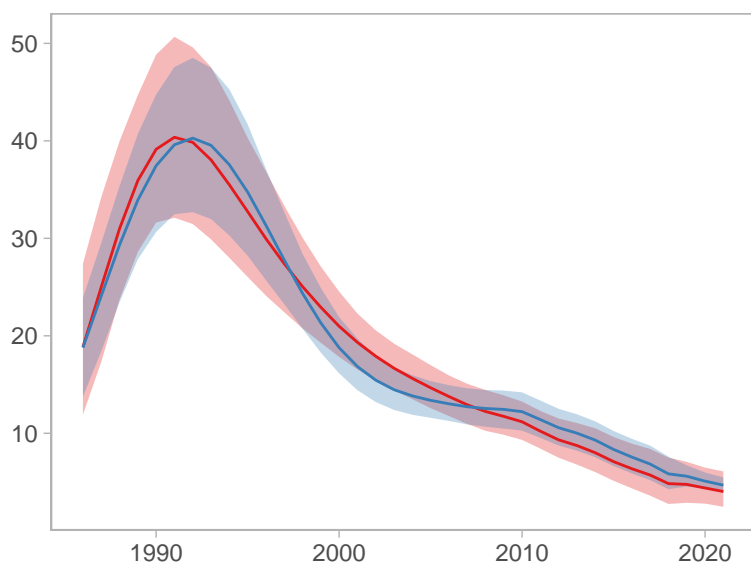
HIV prevalence



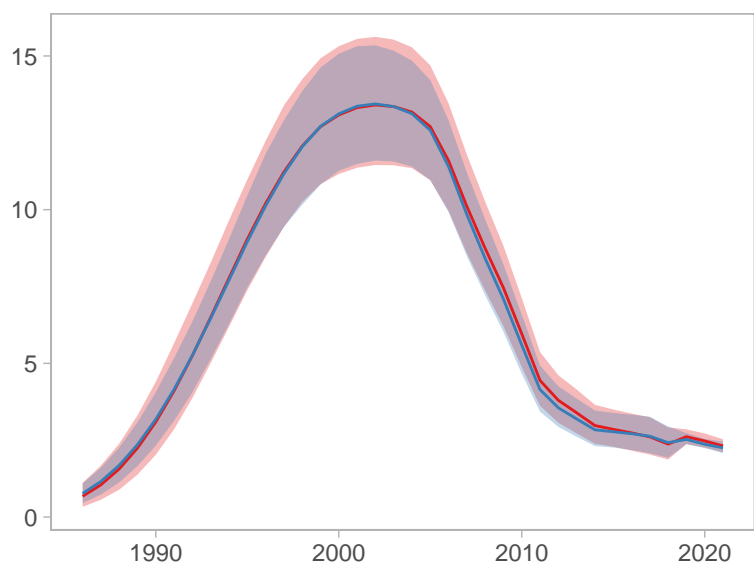
Pregnant women HIV prevalence



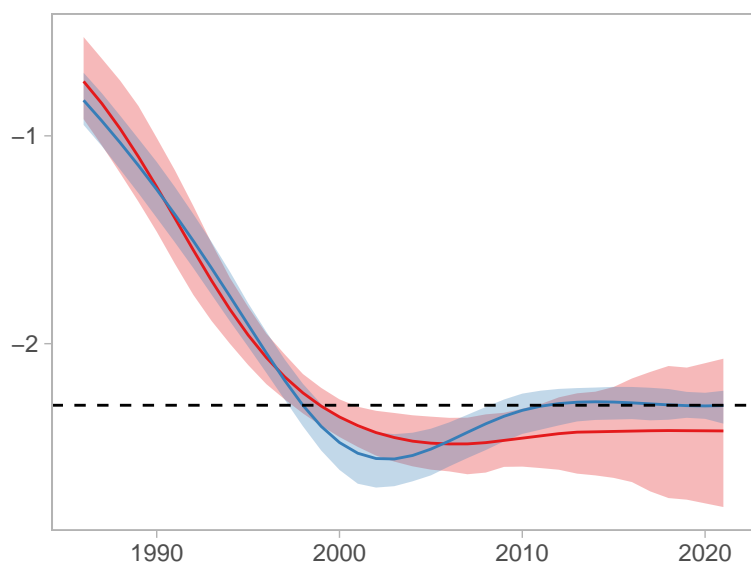
HIV incidence per 1000



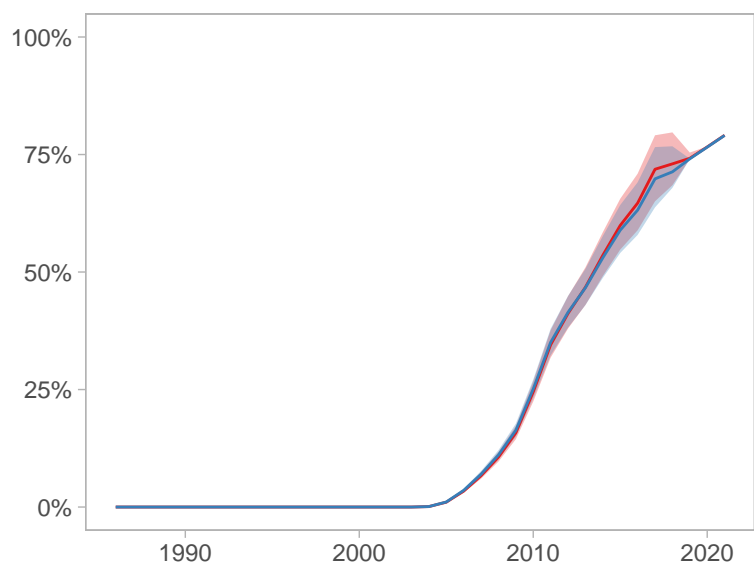
AIDS deaths per 1000 (age 15+)



log r(t)



Adult (15+) ART coverage



Model: — r-hybrid — r-spline