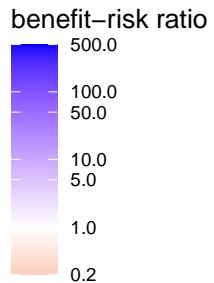
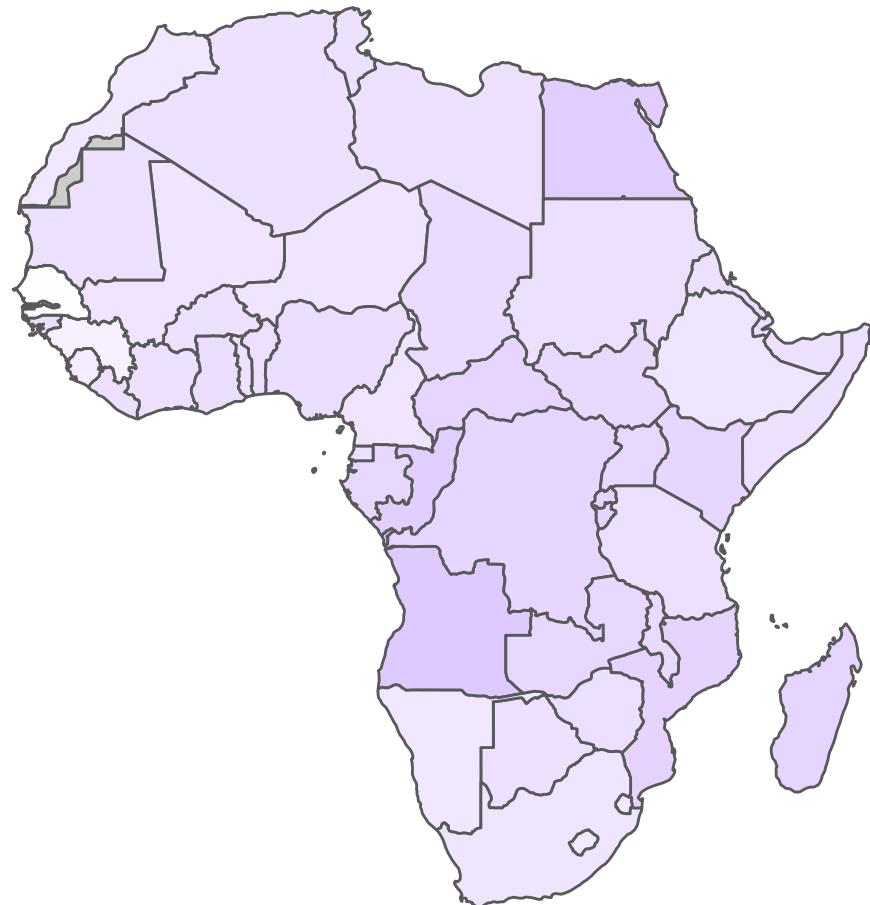


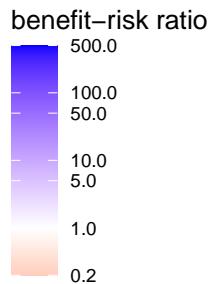
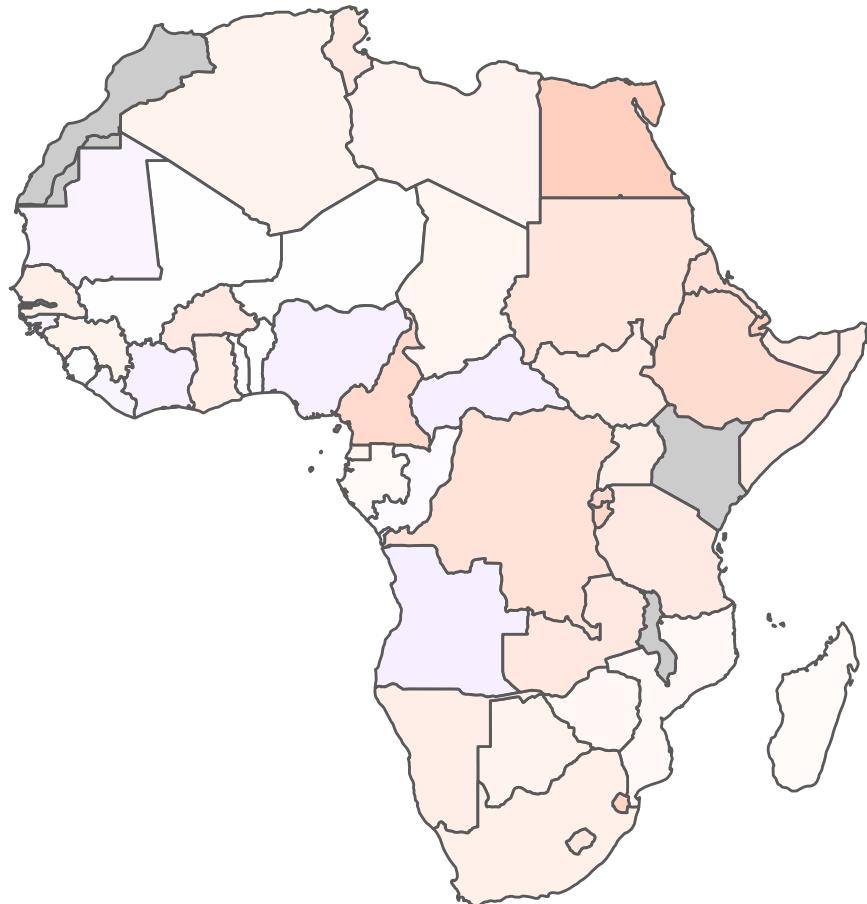
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



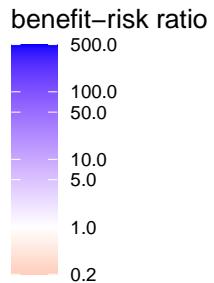
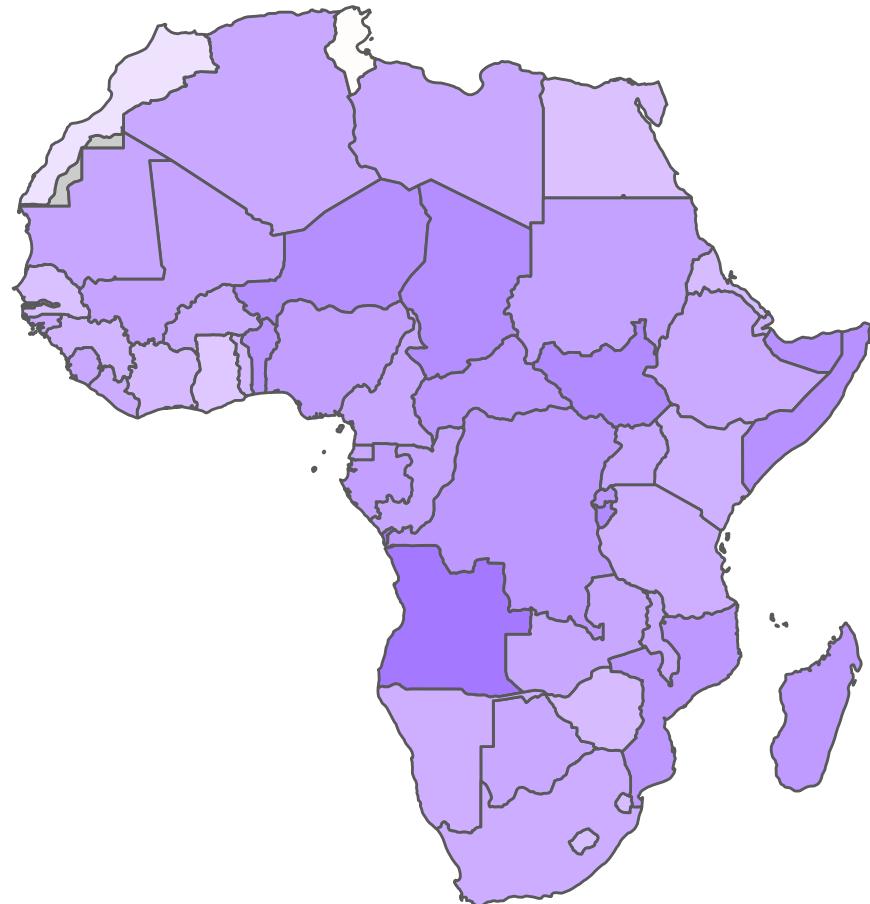
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

HepB3



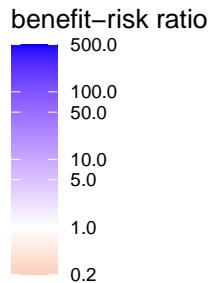
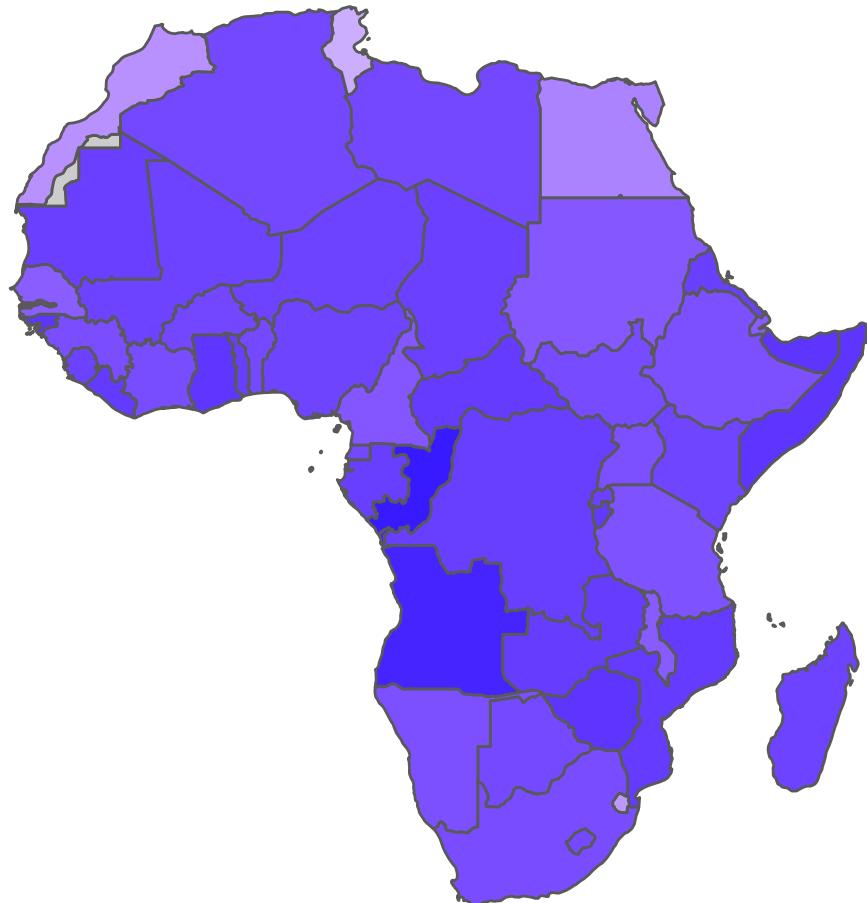
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

Hib3



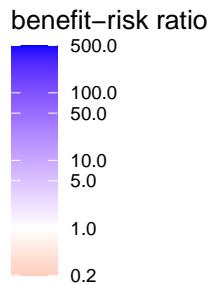
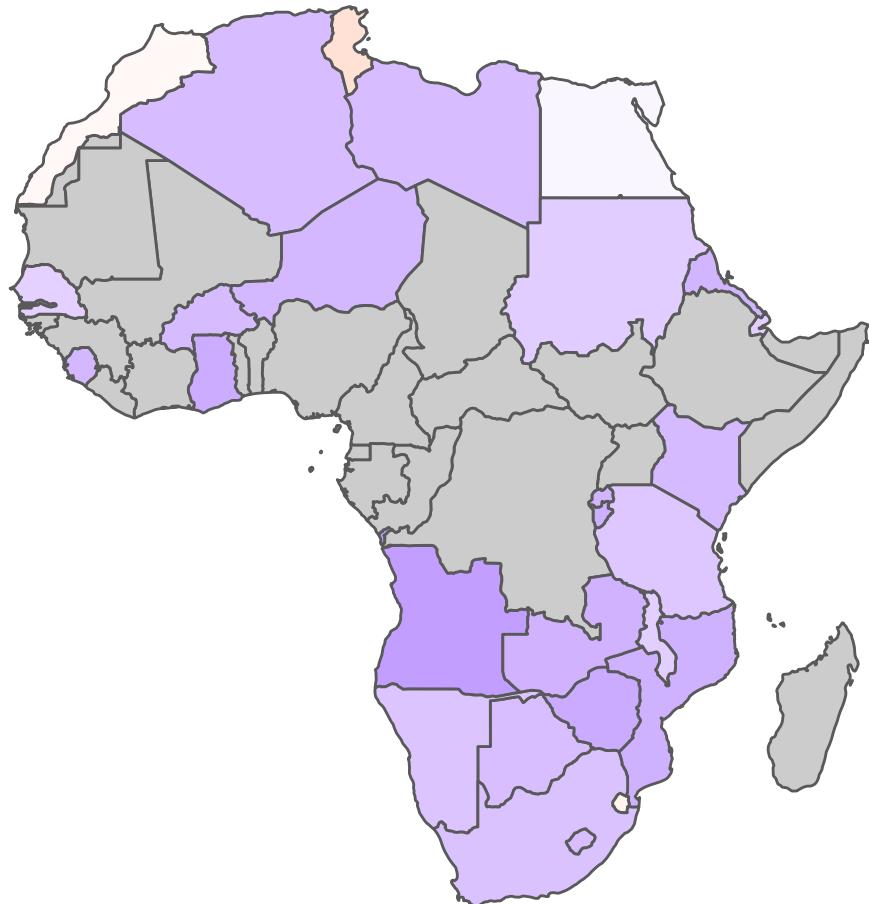
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

MCV1



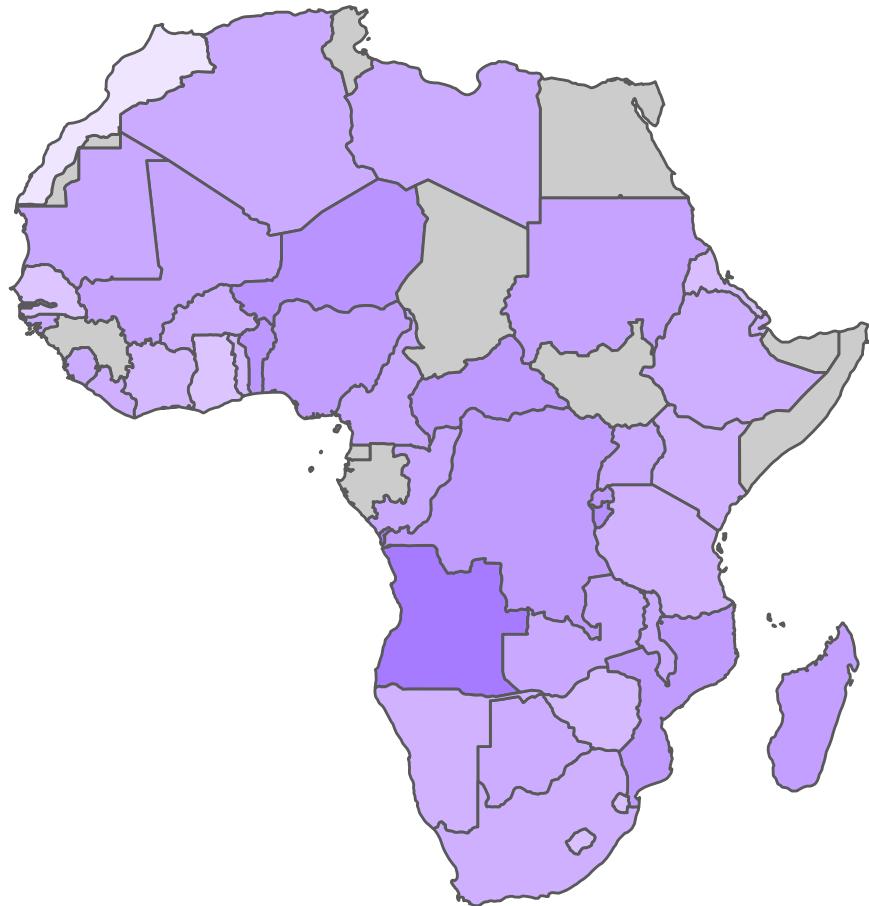
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

MCV2



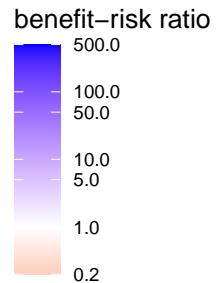
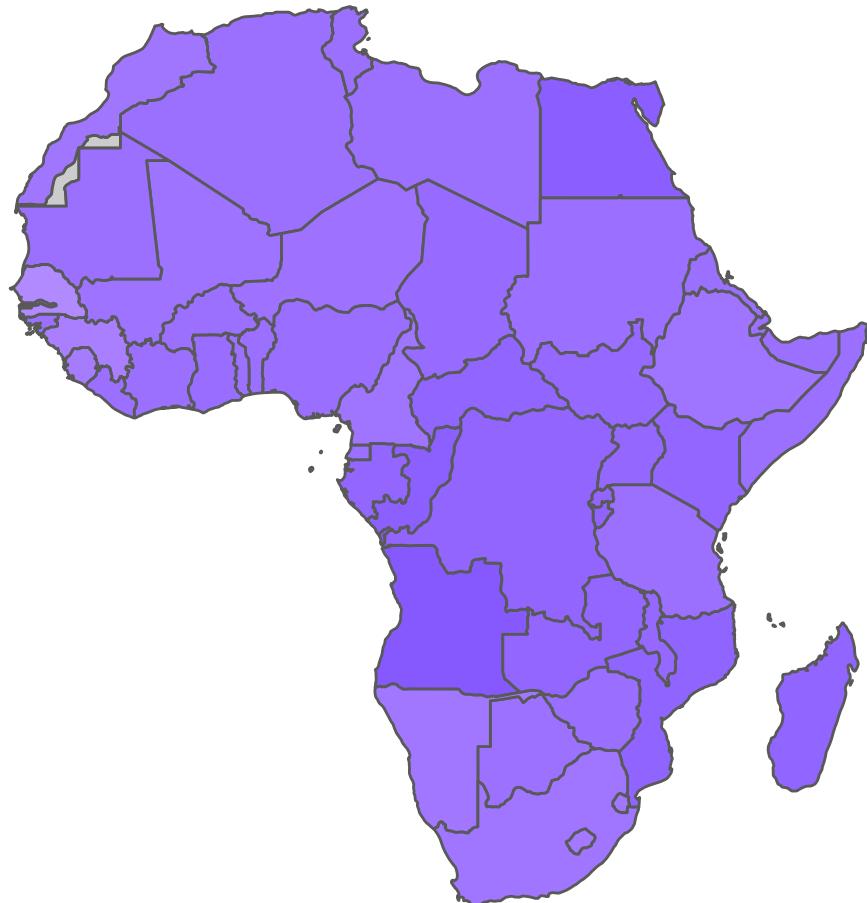
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

PCV3



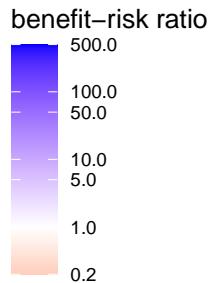
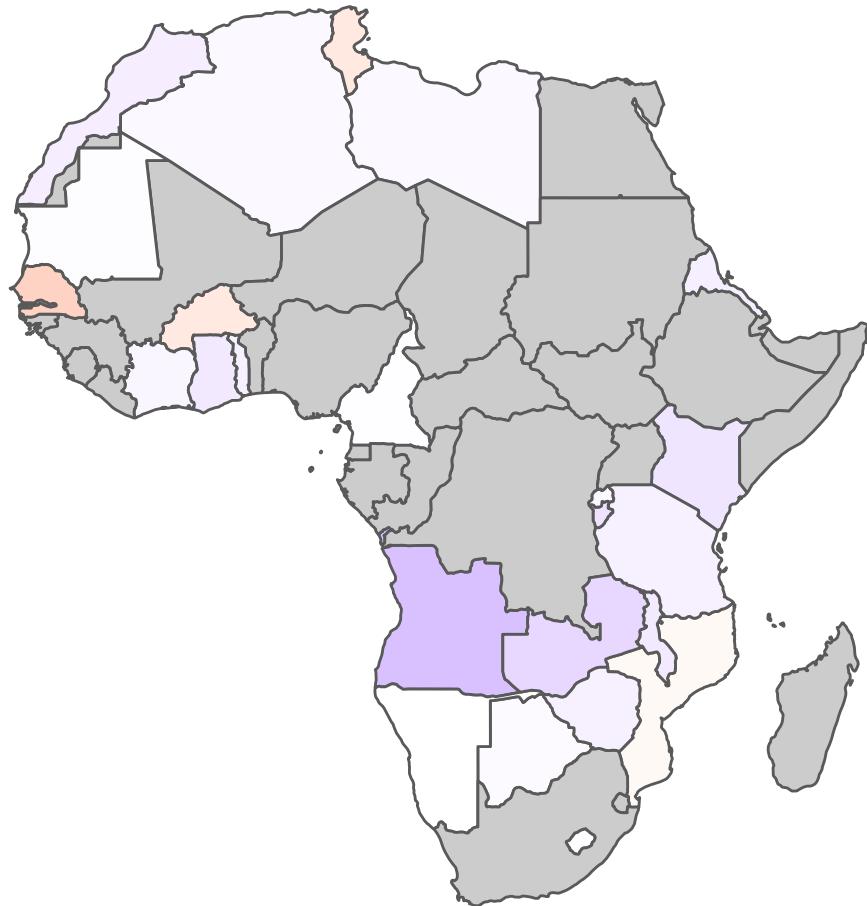
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



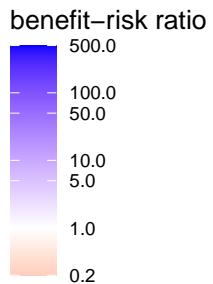
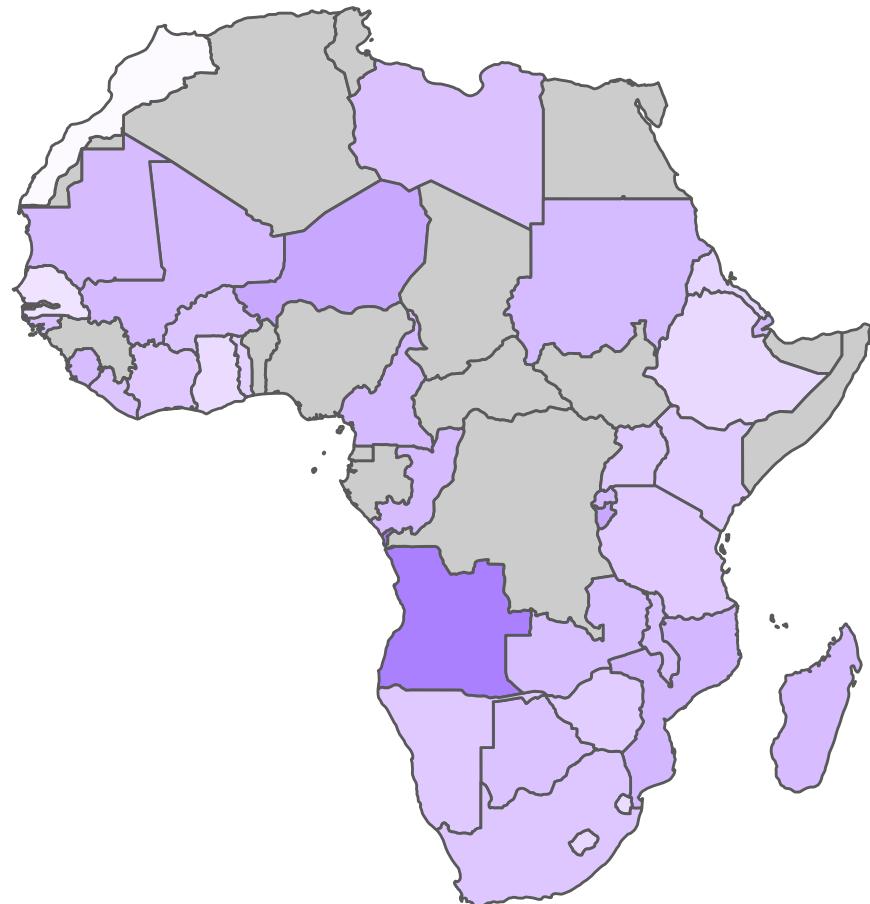
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

RCV1

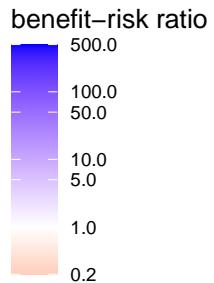
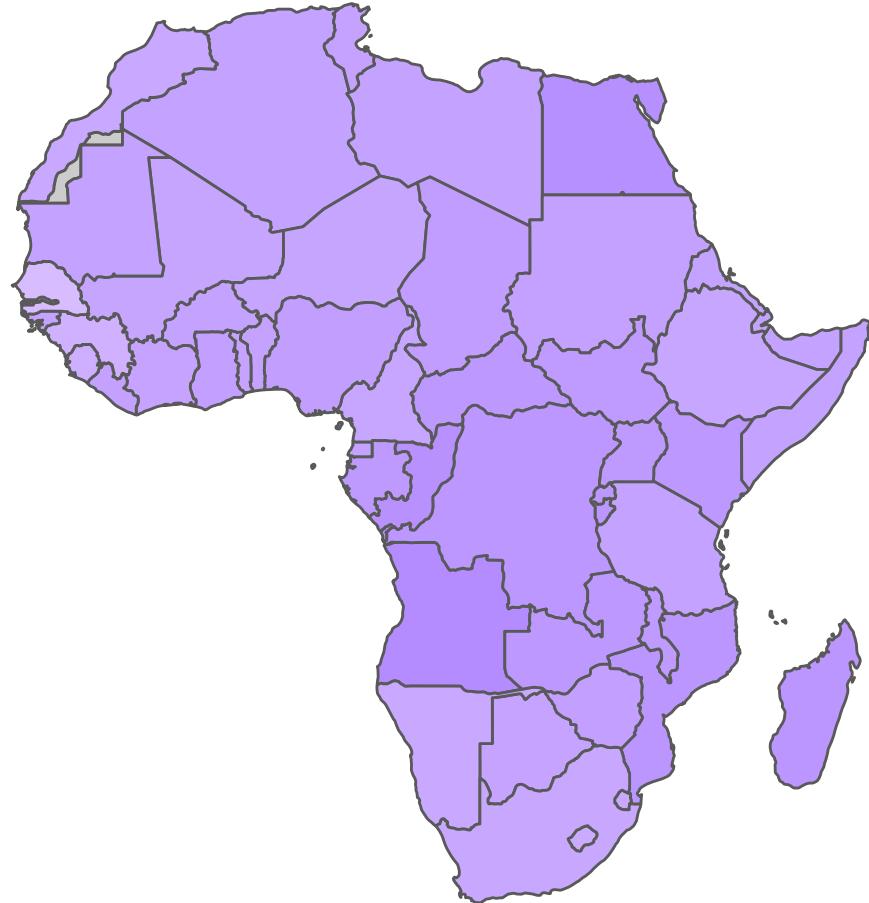


Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

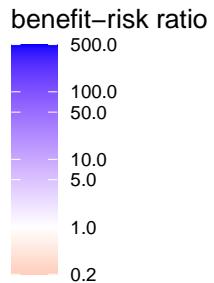
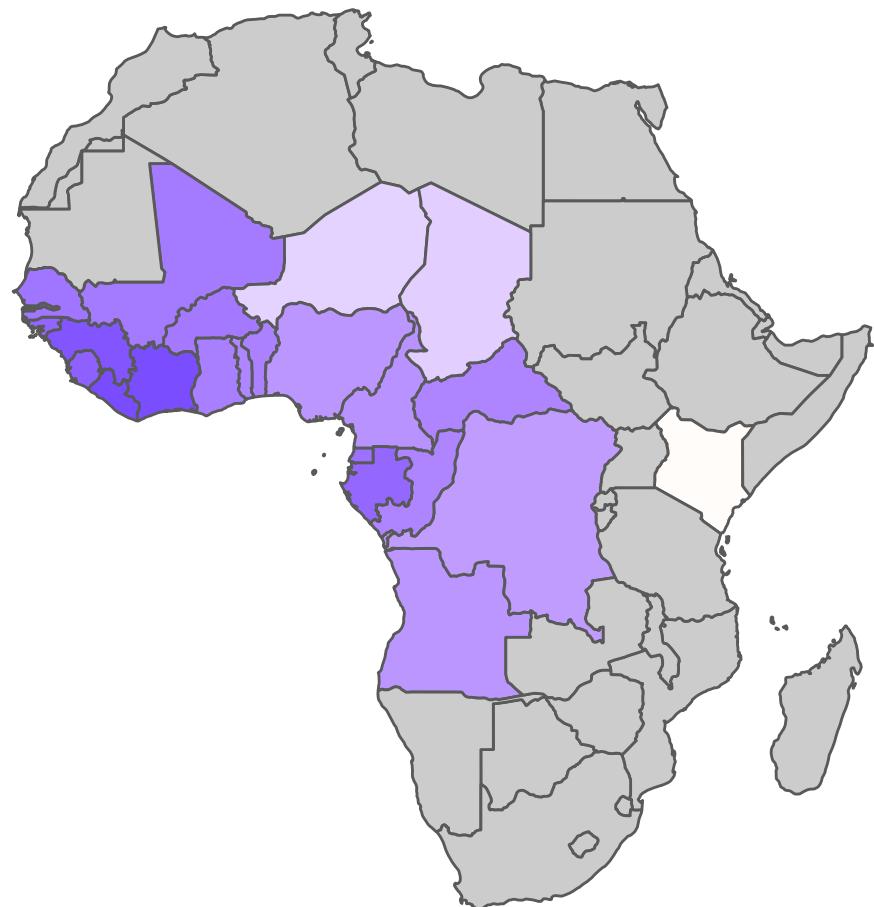
RotaC



Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death
Tetanus (DTP3)

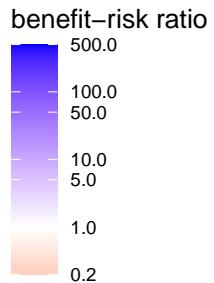
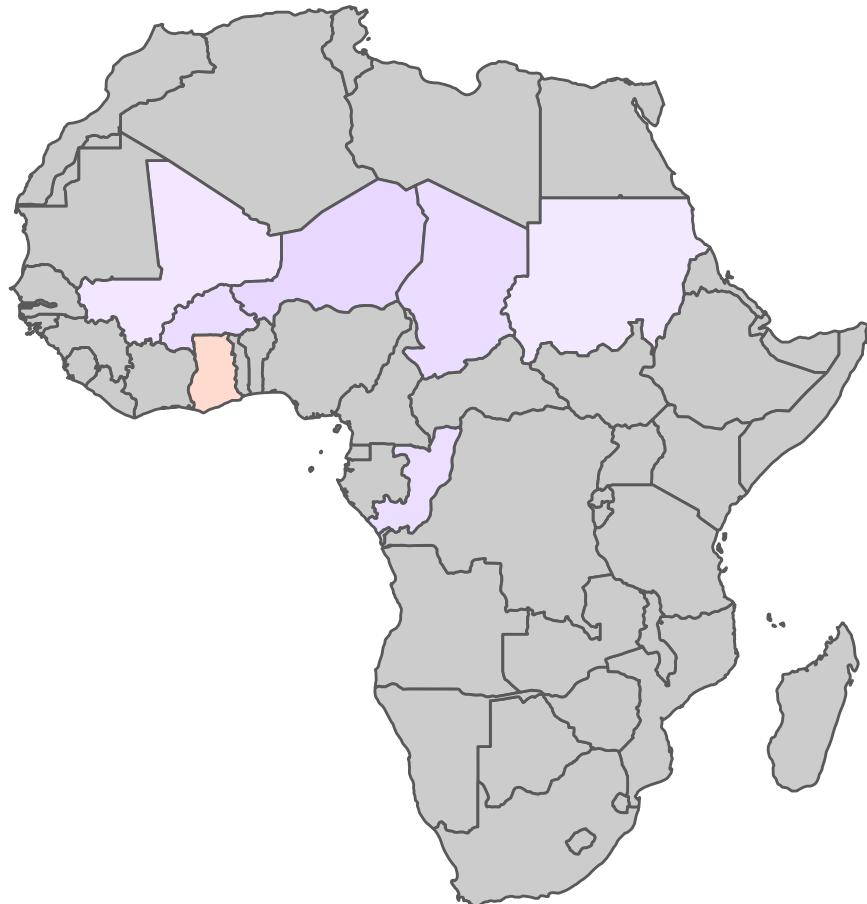


Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death
YFV



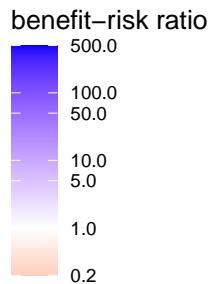
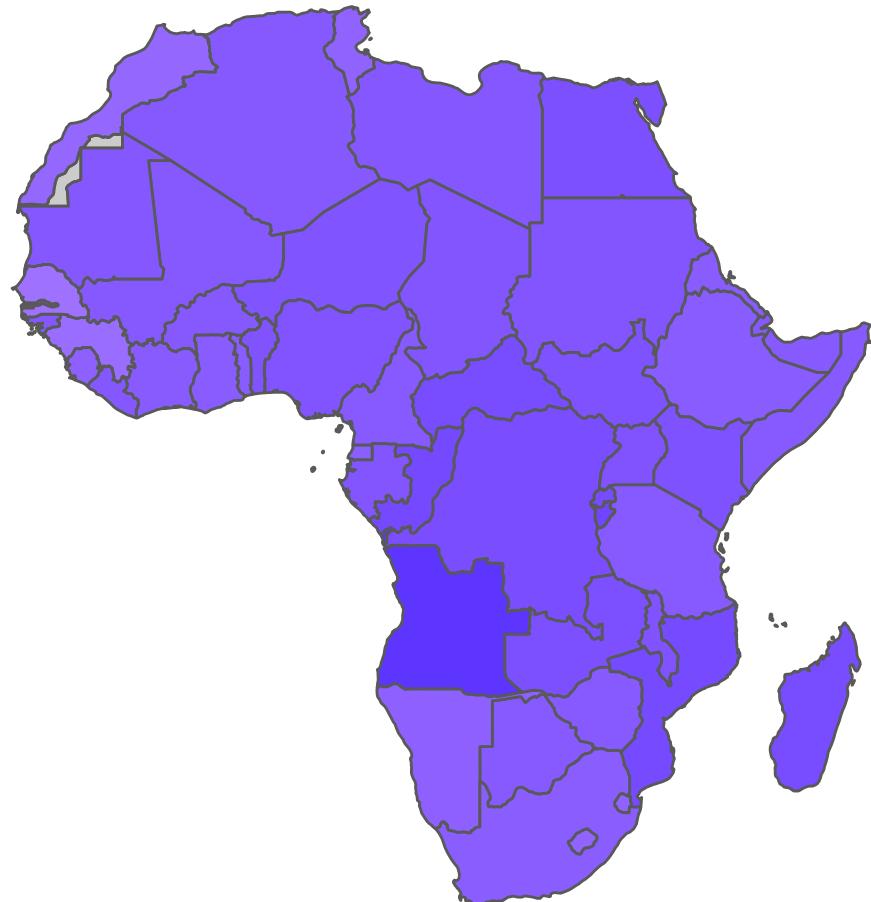
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

MenA



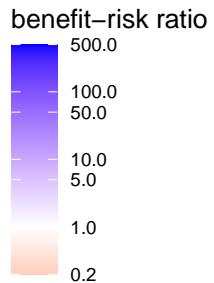
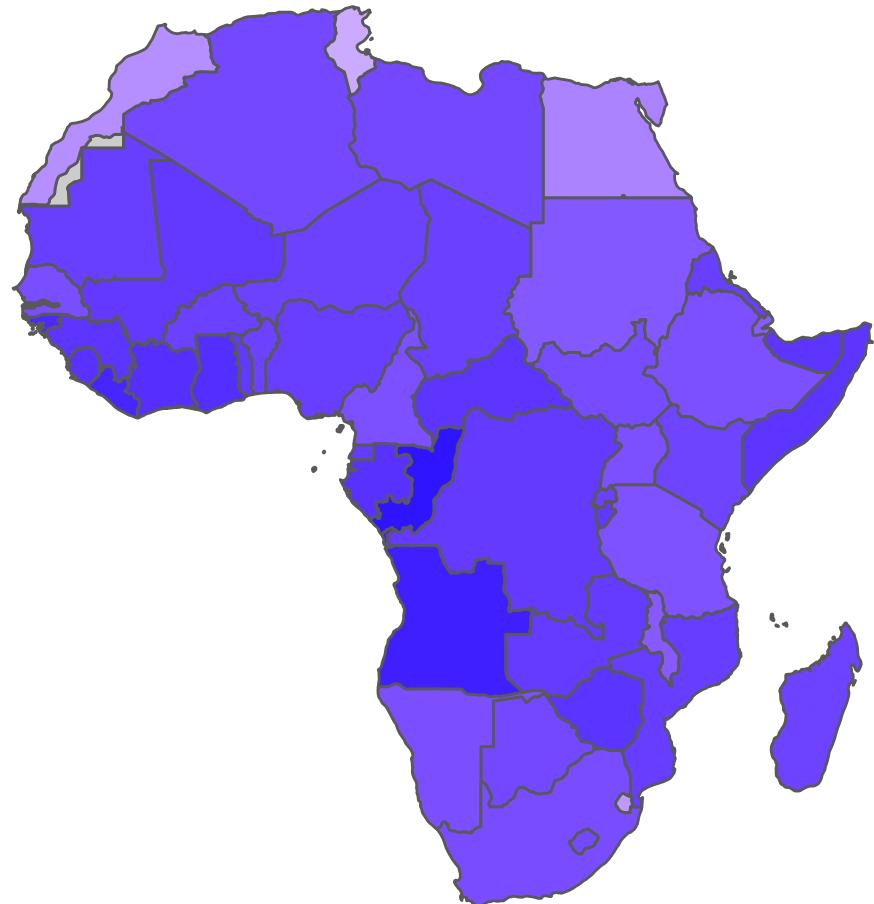
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



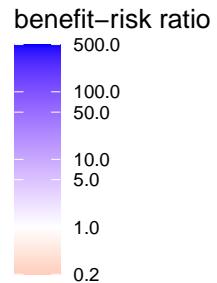
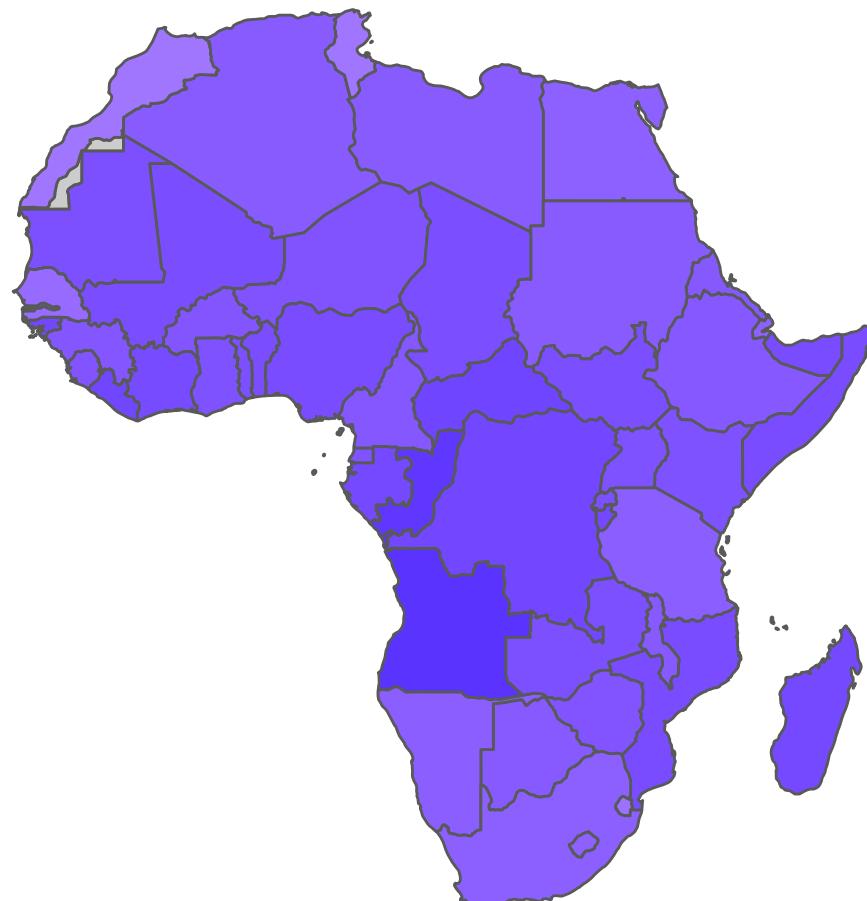
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



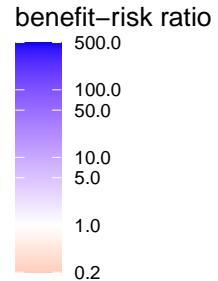
Benefit–risk ratio (household) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC, MCV1, RCV1, MenA, YFV, MCV2



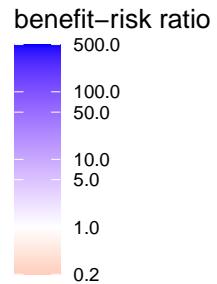
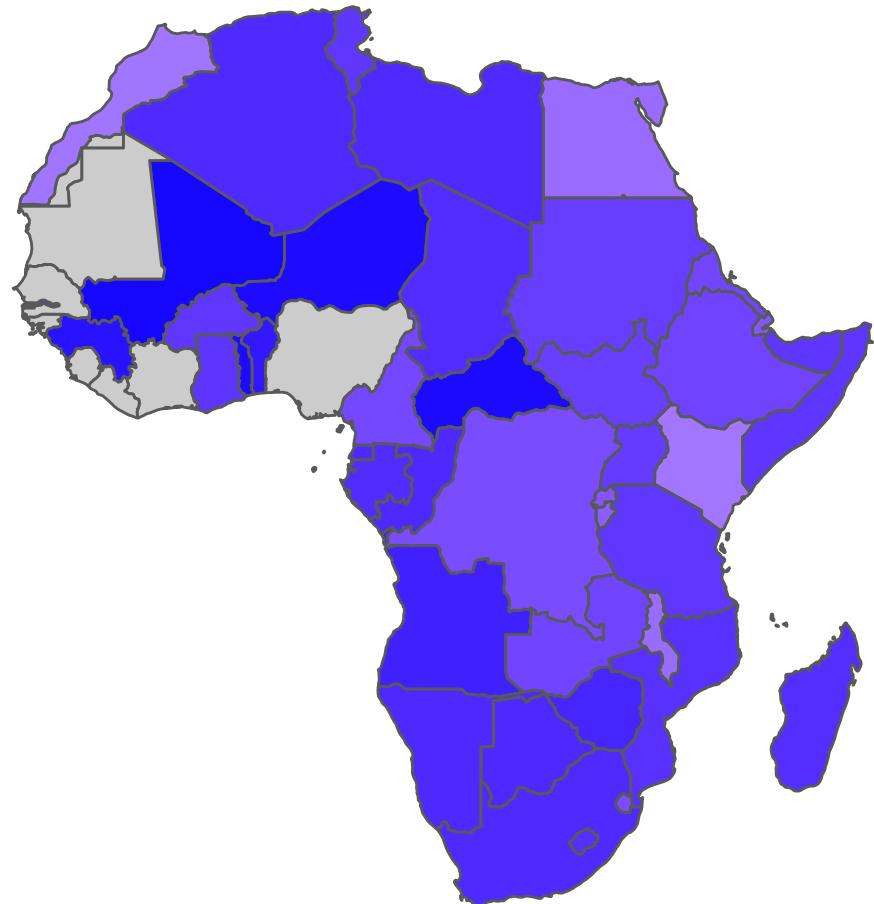
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



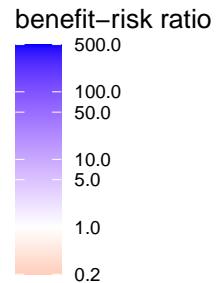
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

HepB3

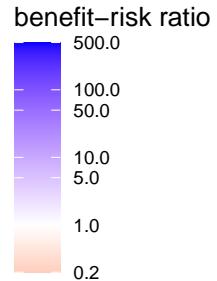


Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

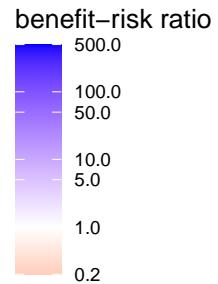
Hib3



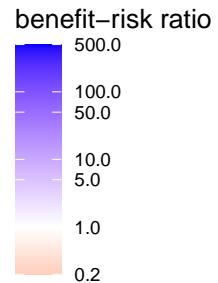
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death
MCV1



Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death
MCV2

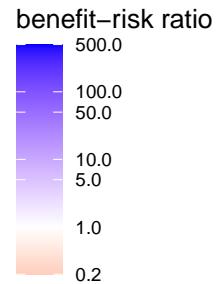


Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death
PCV3



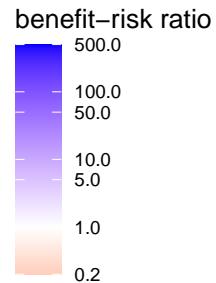
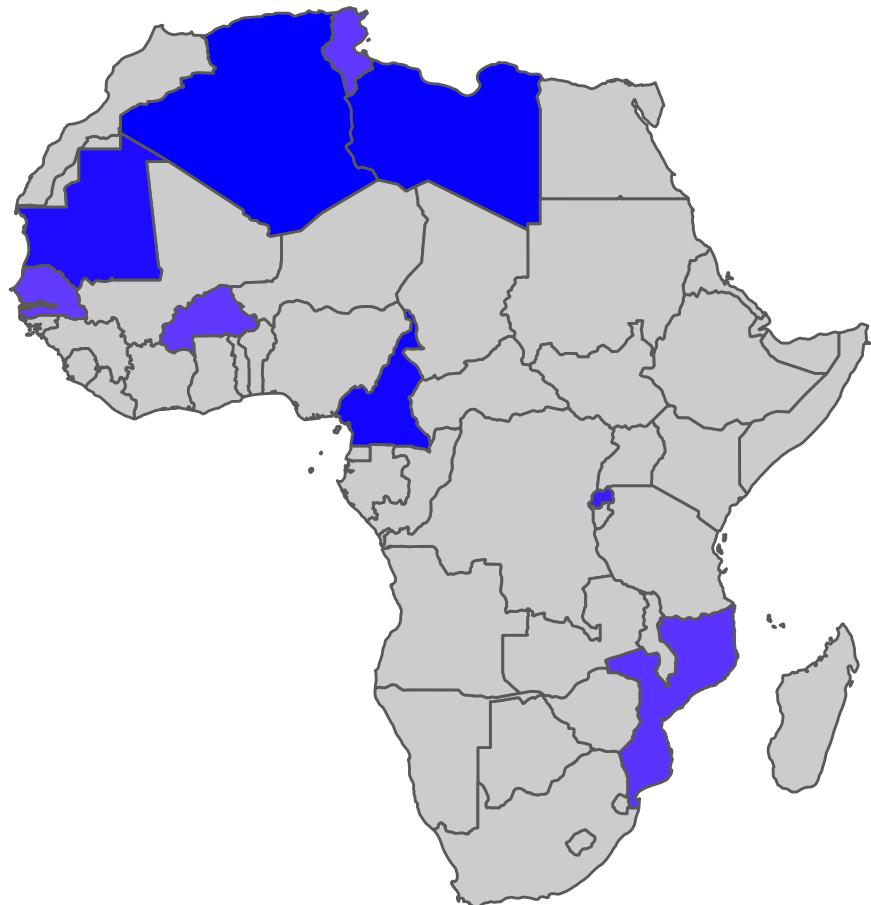
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



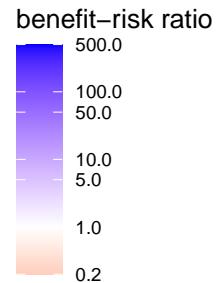
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

RCV1

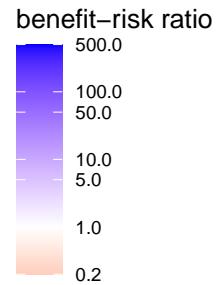


Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

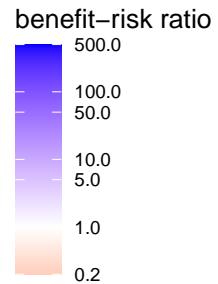
RotaC



Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death
Tetanus (DTP3)

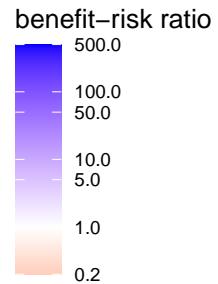


Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death
YFV



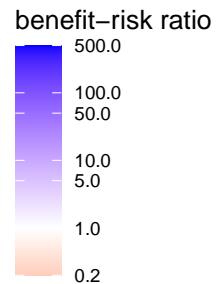
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

MenA



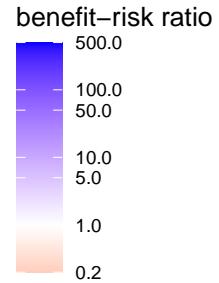
Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



Benefit–risk ratio (vaccinated children) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC, MCV1, RCV1, MenA, YFV, MCV2



benefit–risk ratio

500.0

100.0

50.0

10.0

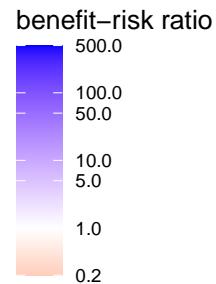
5.0

1.0

0.2

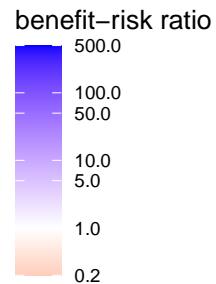
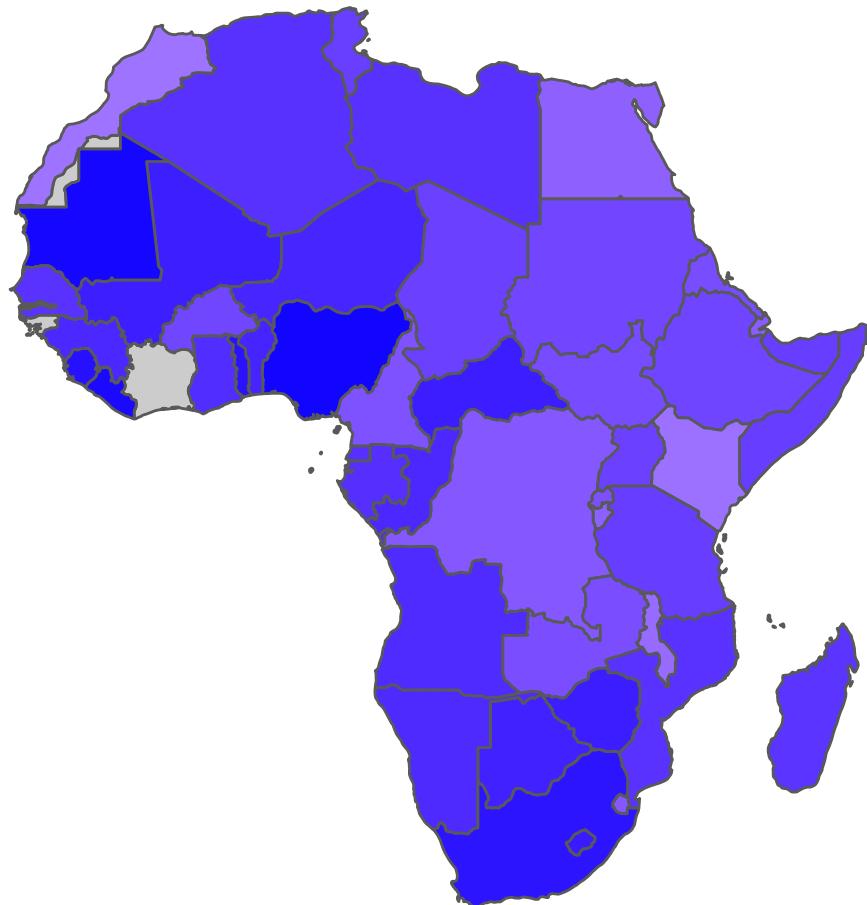
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



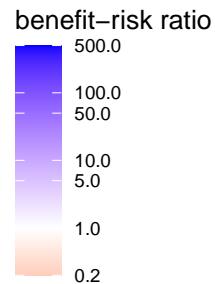
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

HepB3



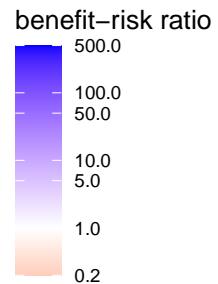
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

Hib3



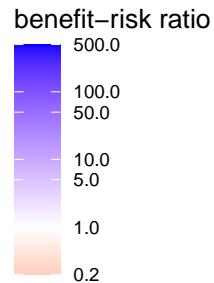
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

MCV1



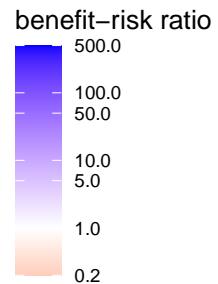
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

MCV2



Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

PCV3



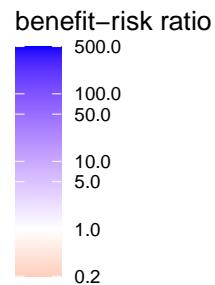
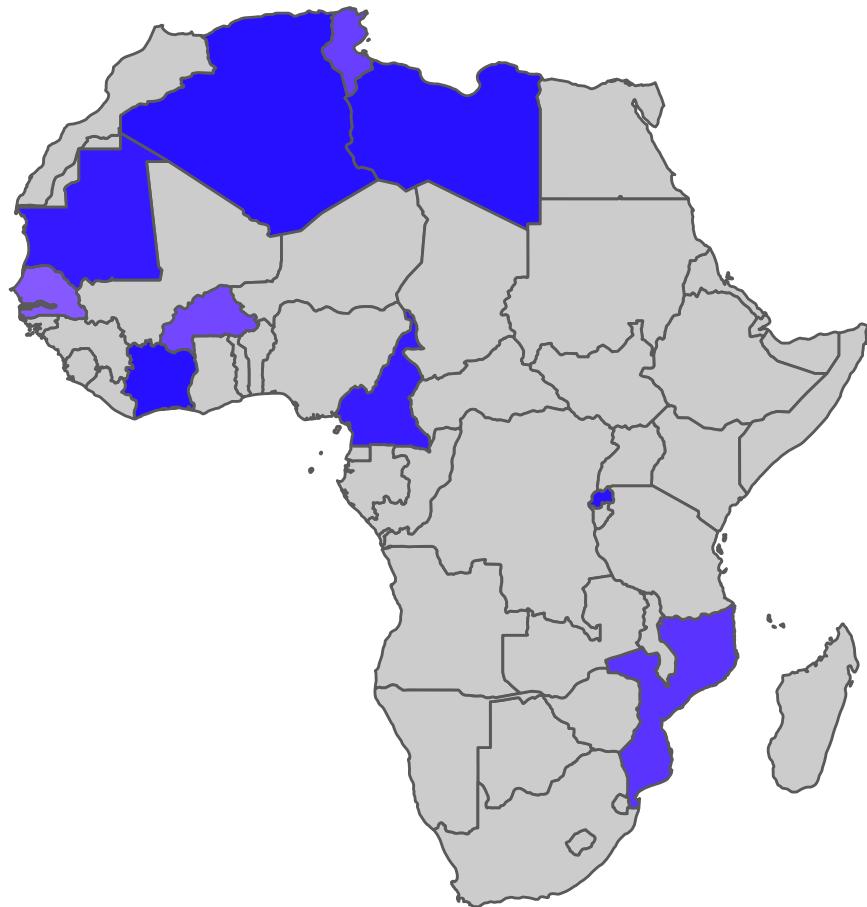
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



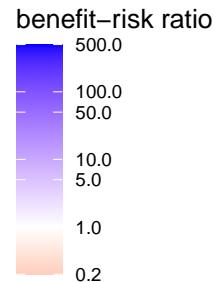
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

RCV1



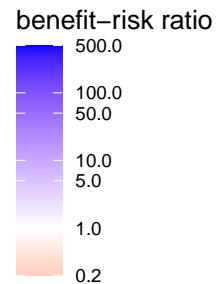
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

RotaC



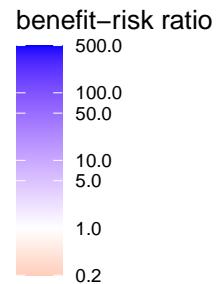
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



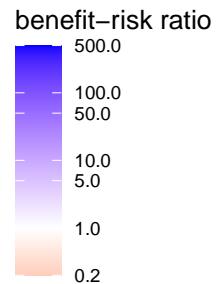
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

YFV



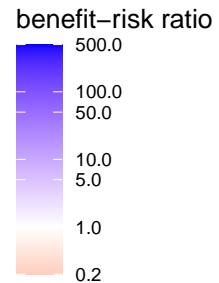
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

MenA



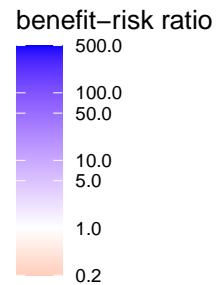
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



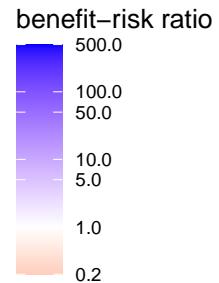
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



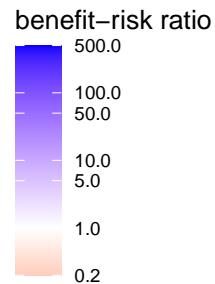
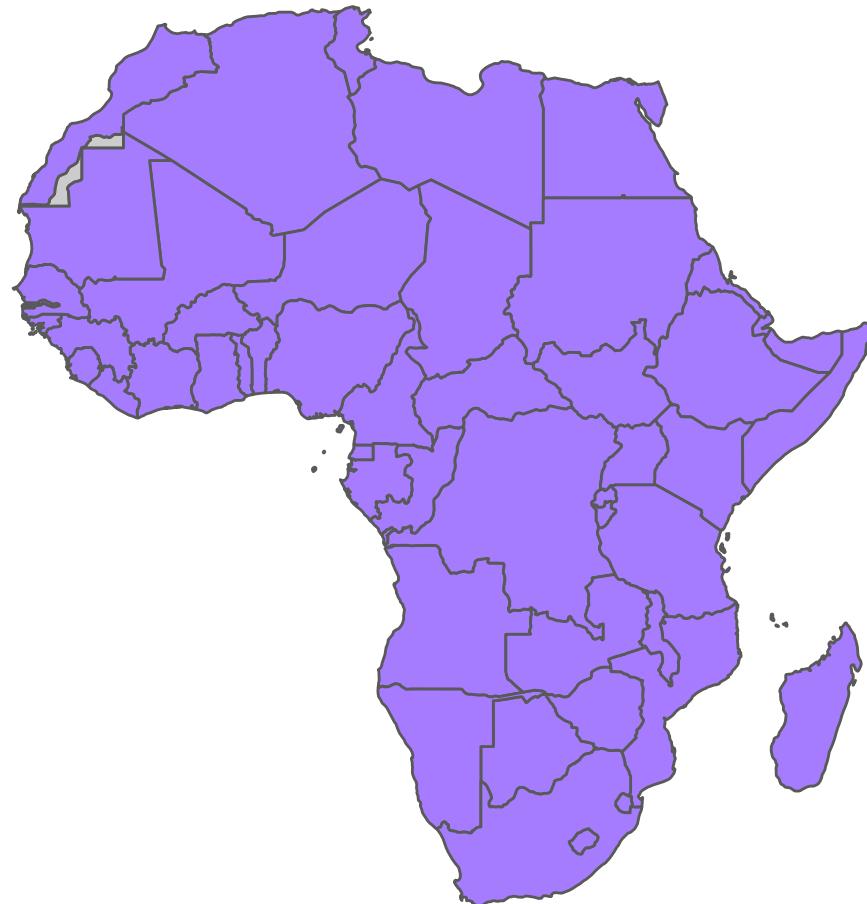
Benefit–risk ratio (siblings) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC, MCV1, RCV1, MenA, YFV, MCV2



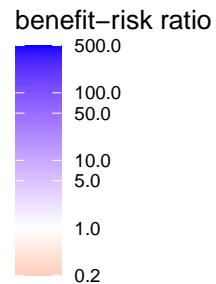
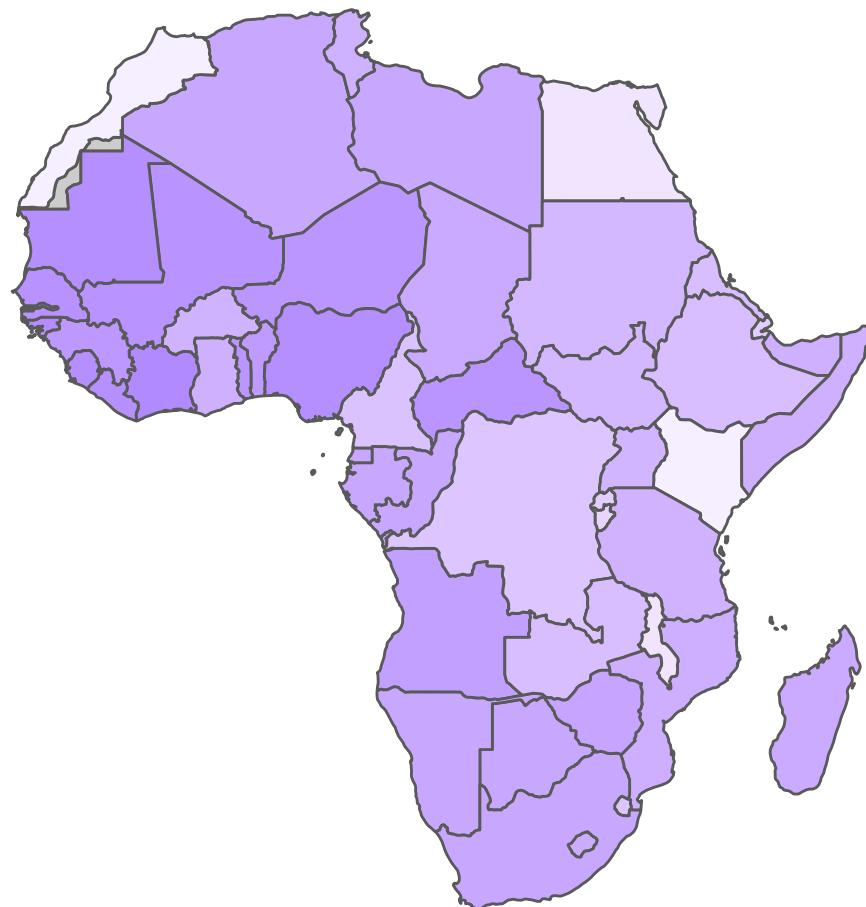
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



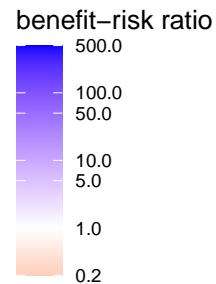
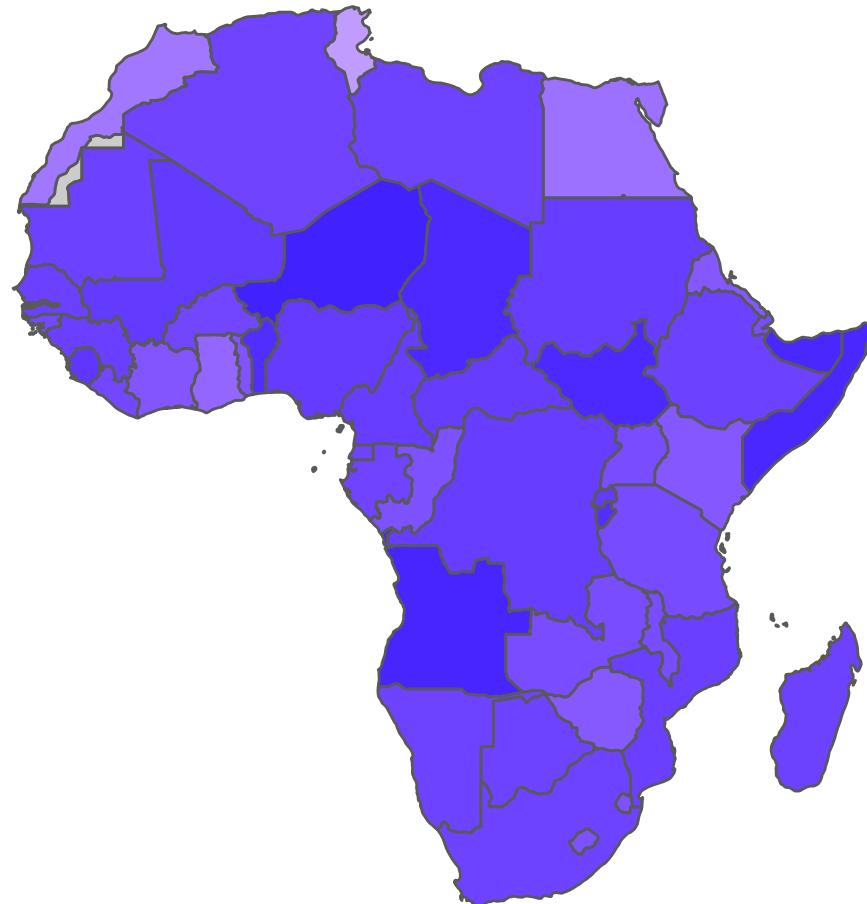
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

HepB3



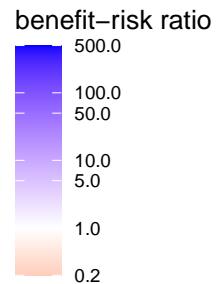
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

Hib3



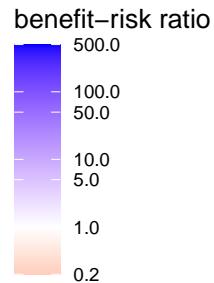
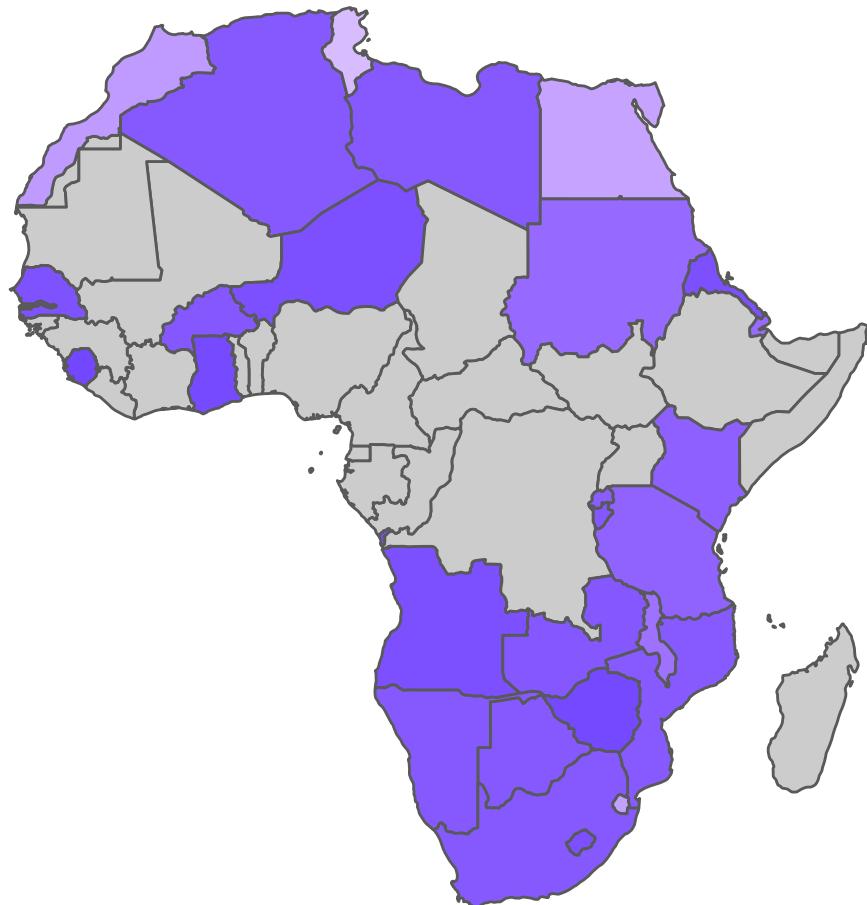
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

MCV1



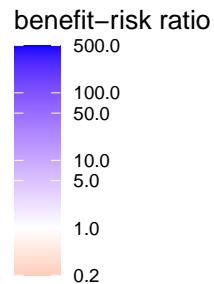
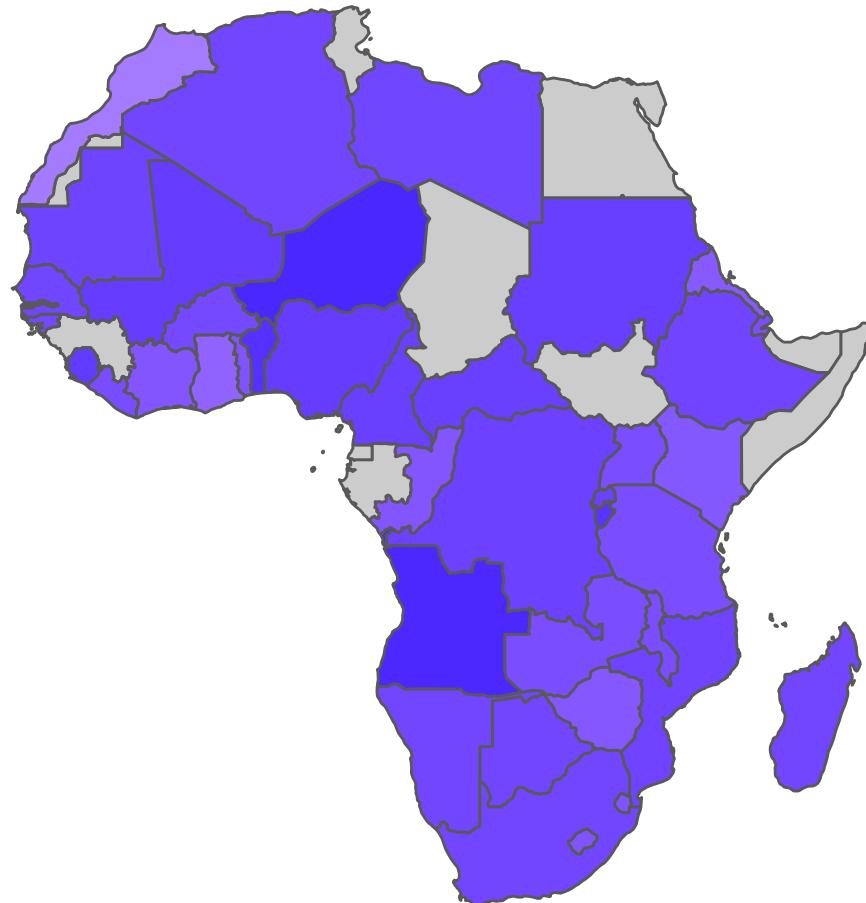
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

MCV2



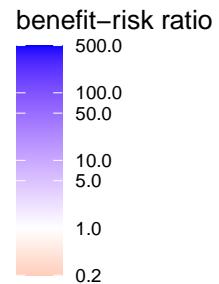
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

PCV3



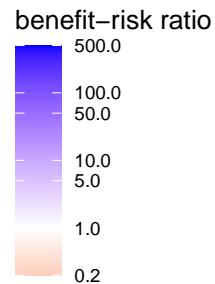
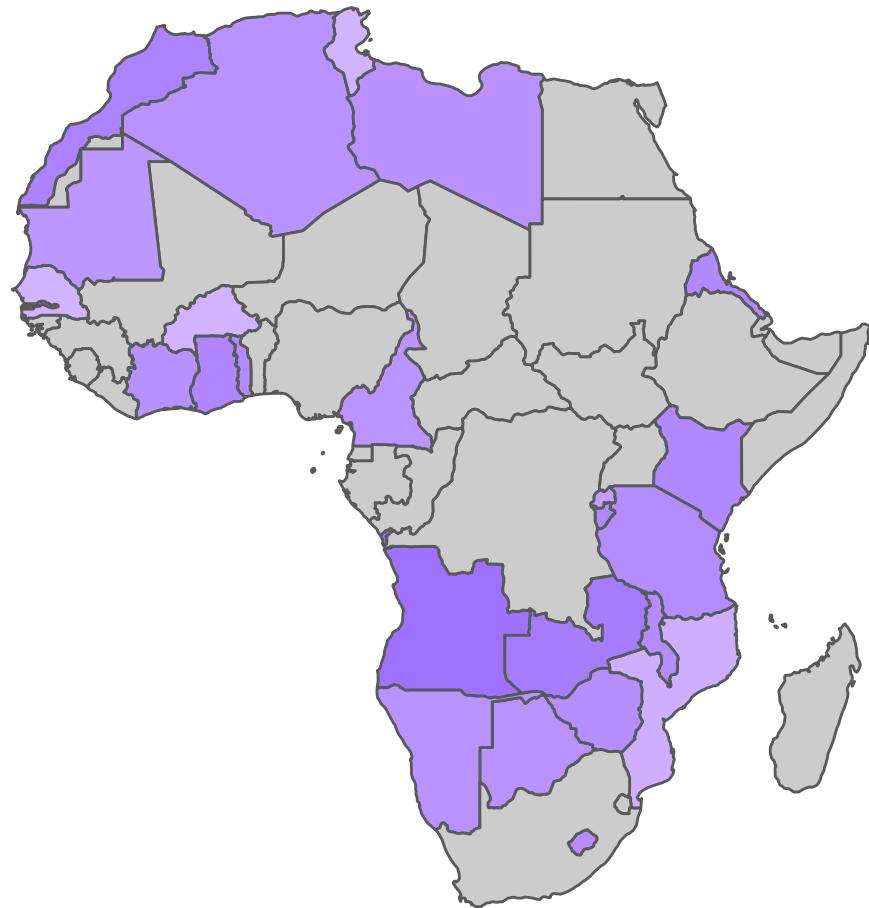
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



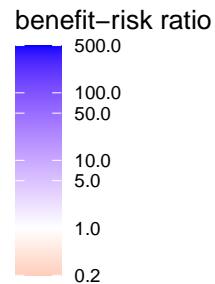
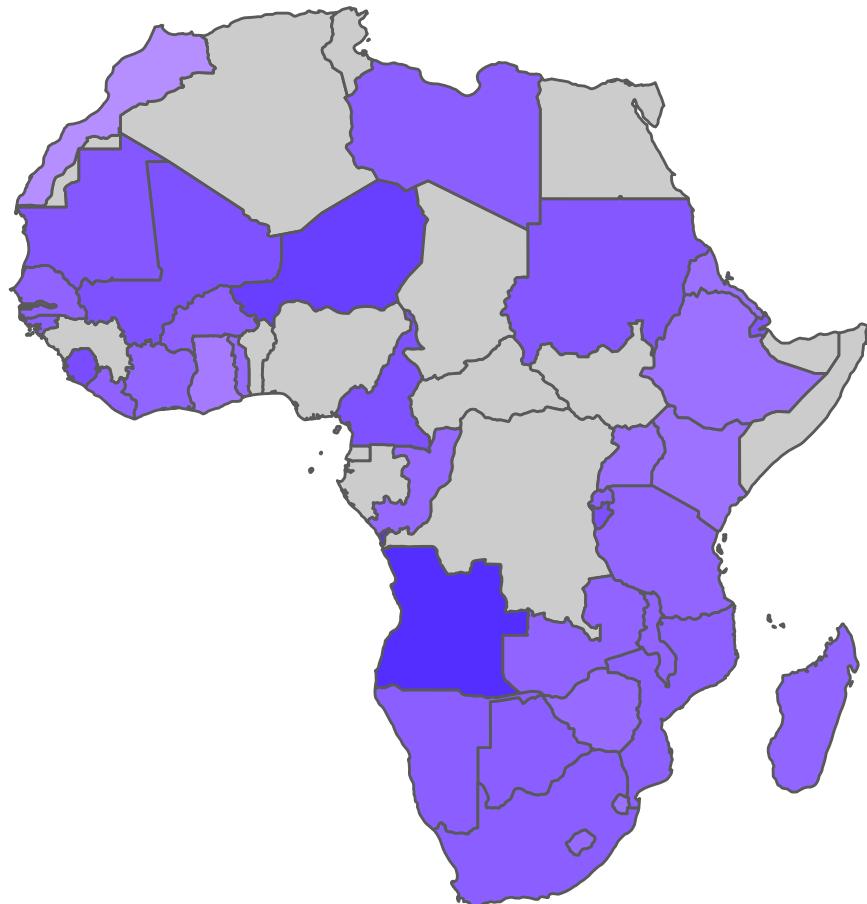
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

RCV1



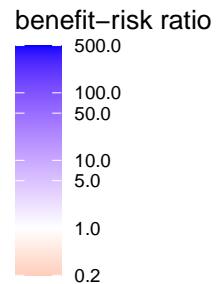
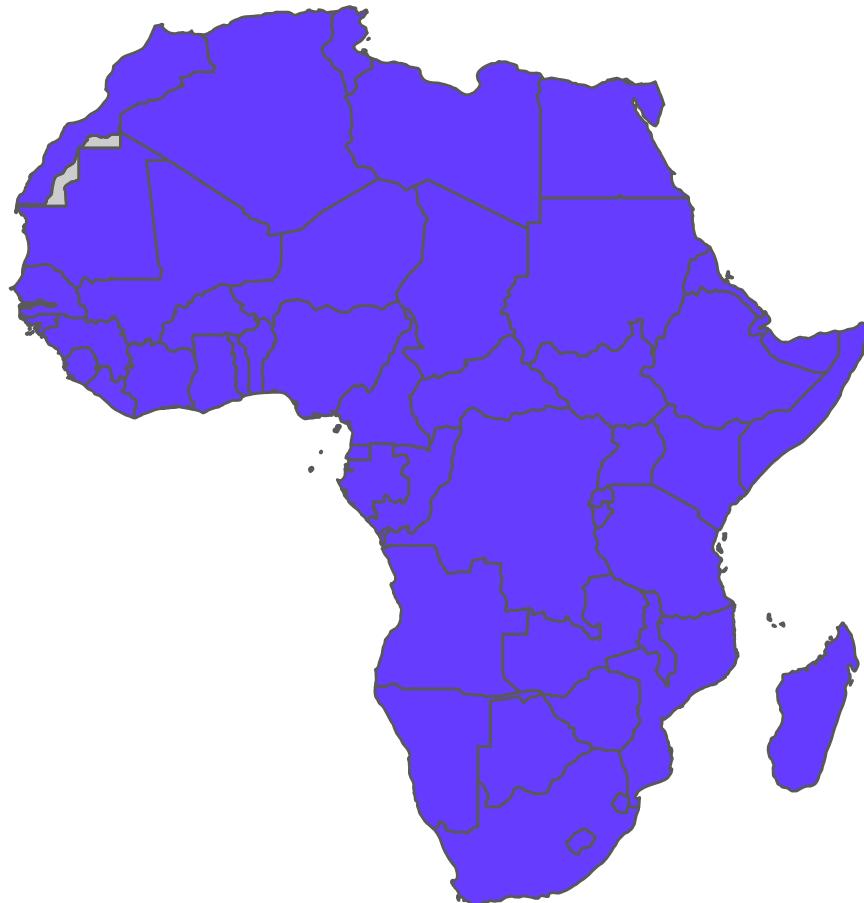
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

RotaC



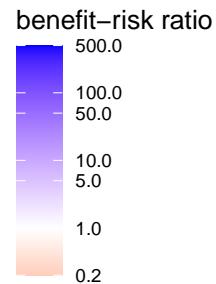
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



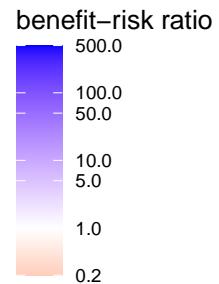
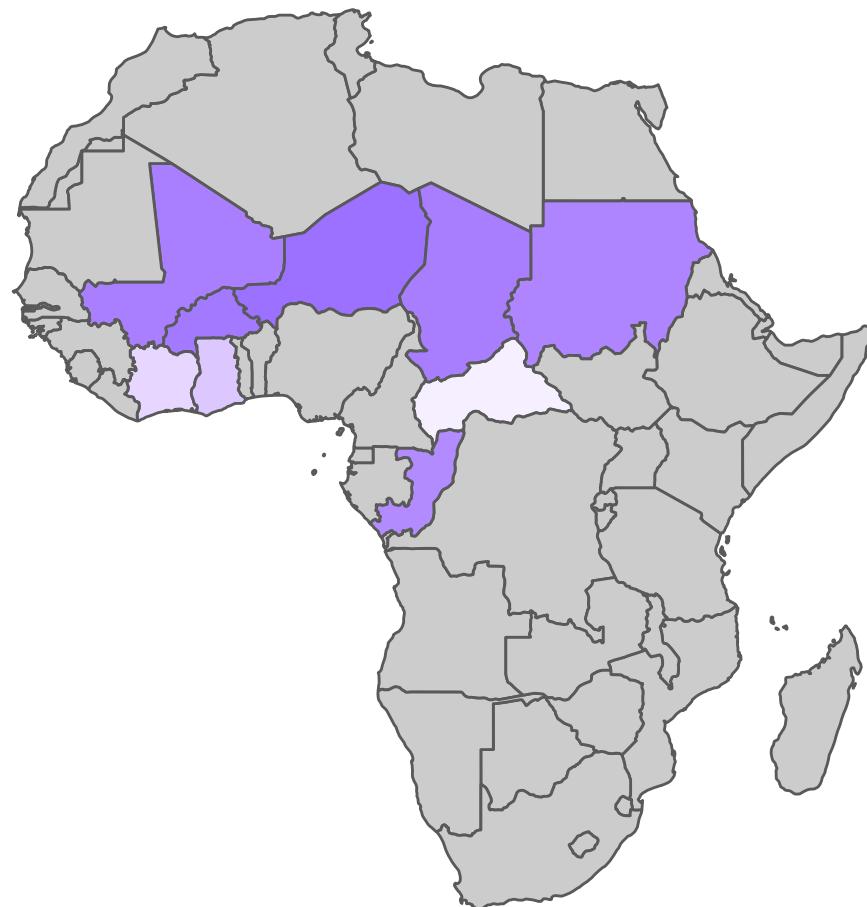
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

YFV



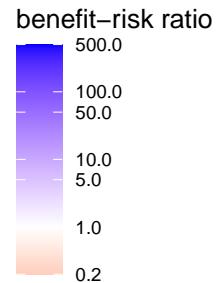
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

MenA



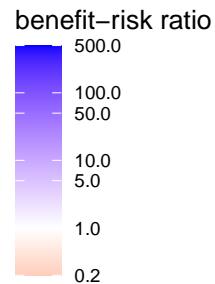
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



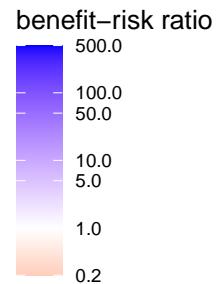
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



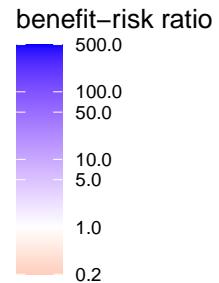
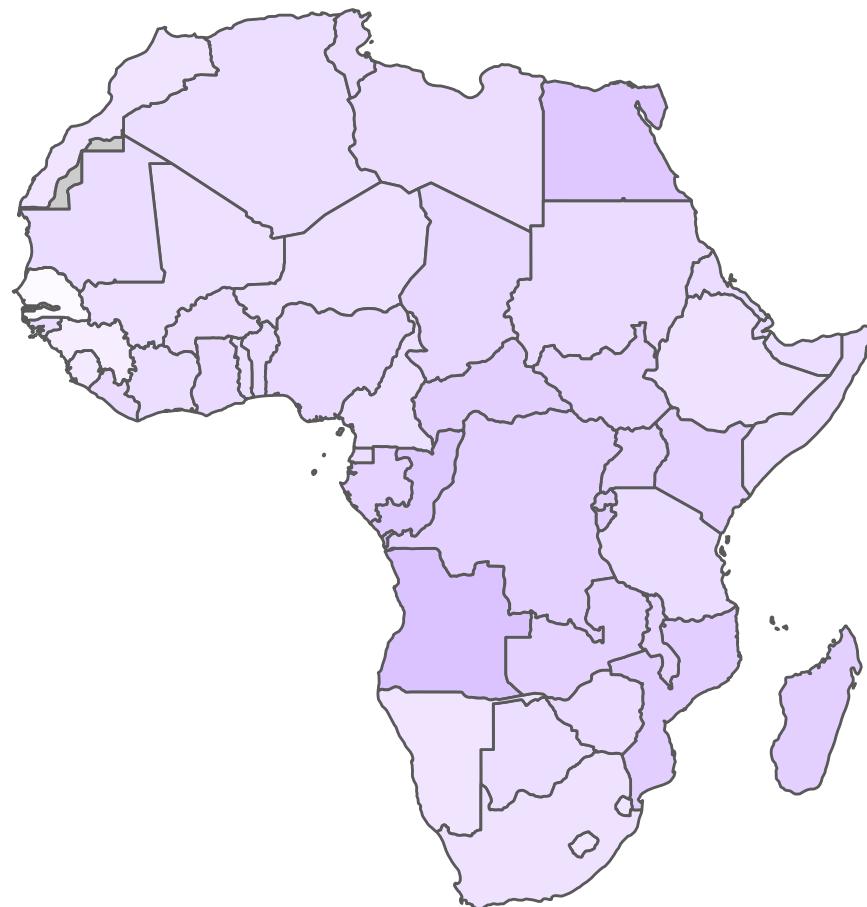
Benefit–risk ratio (parents) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC, MCV1, RCV1, MenA, YFV, MCV2



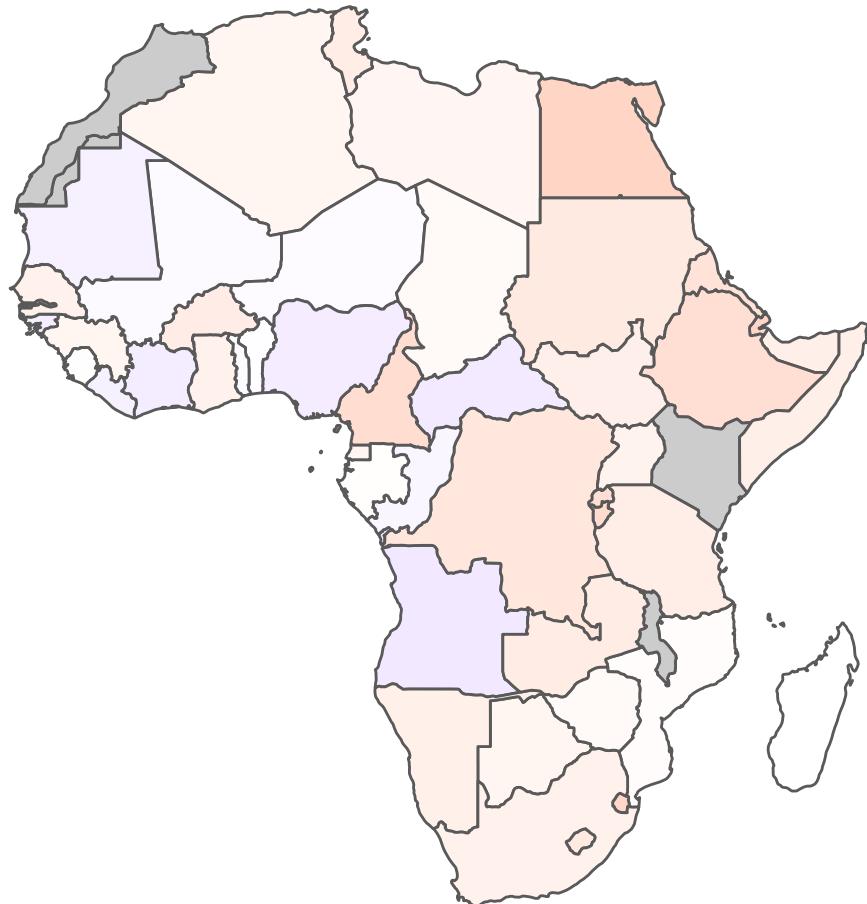
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



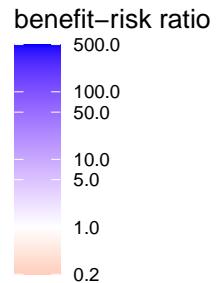
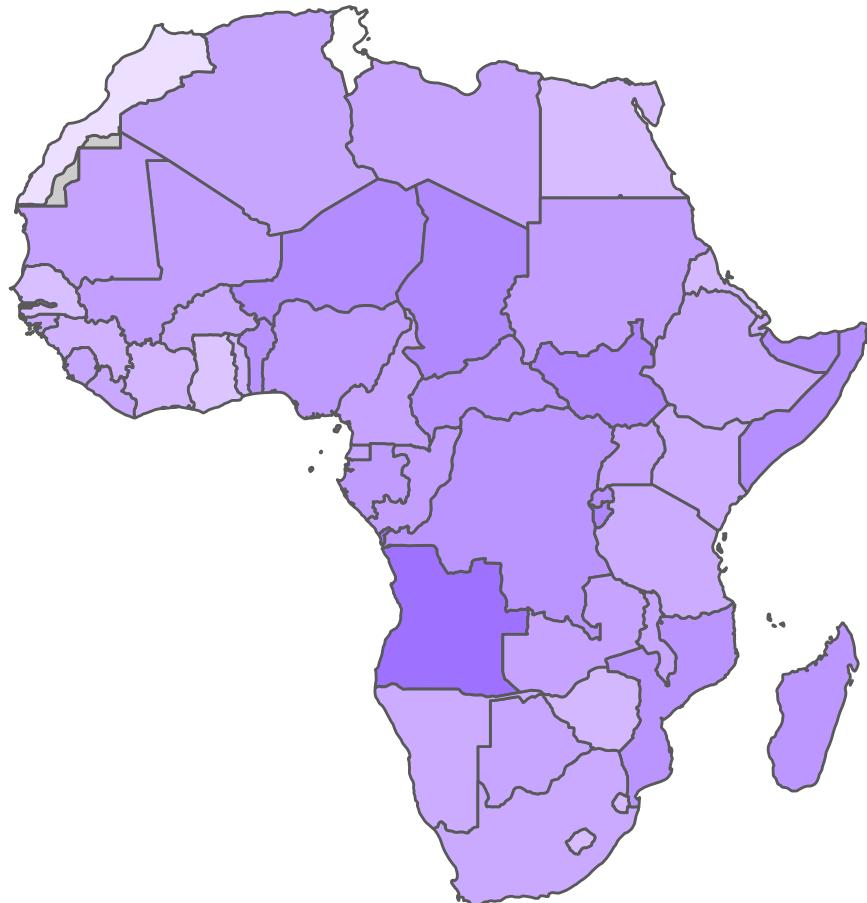
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

HepB3



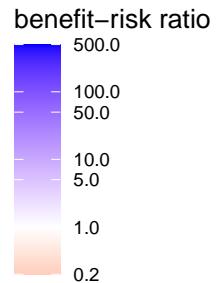
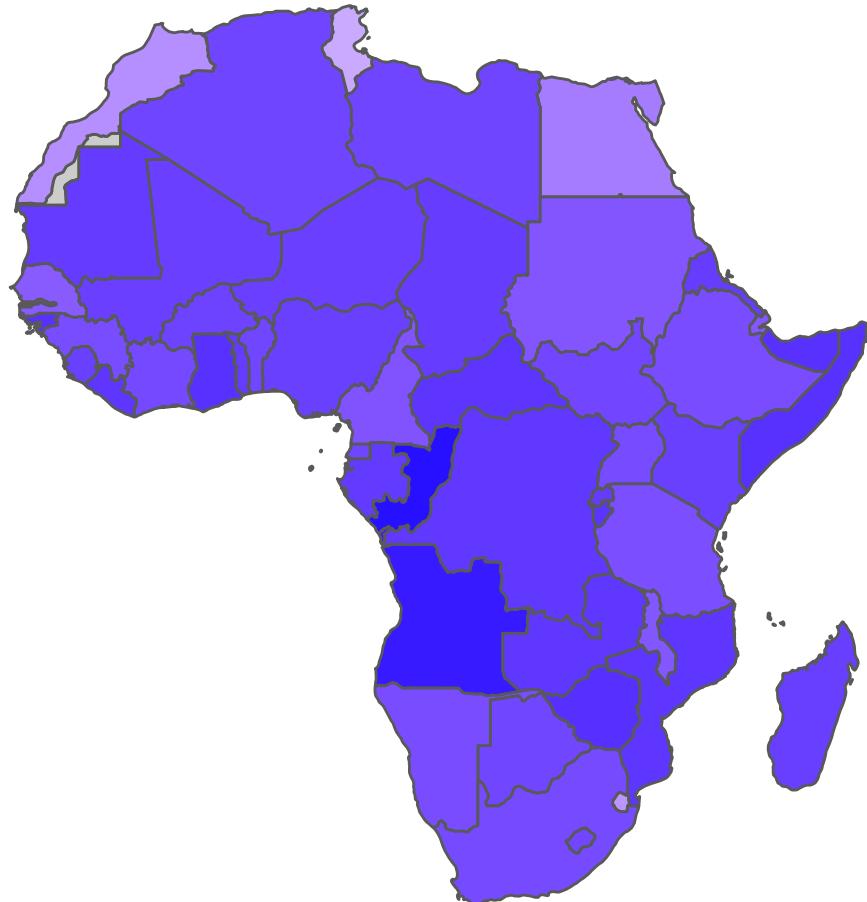
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

Hib3



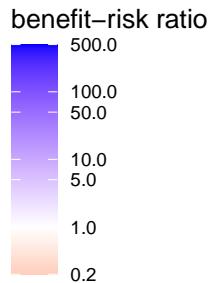
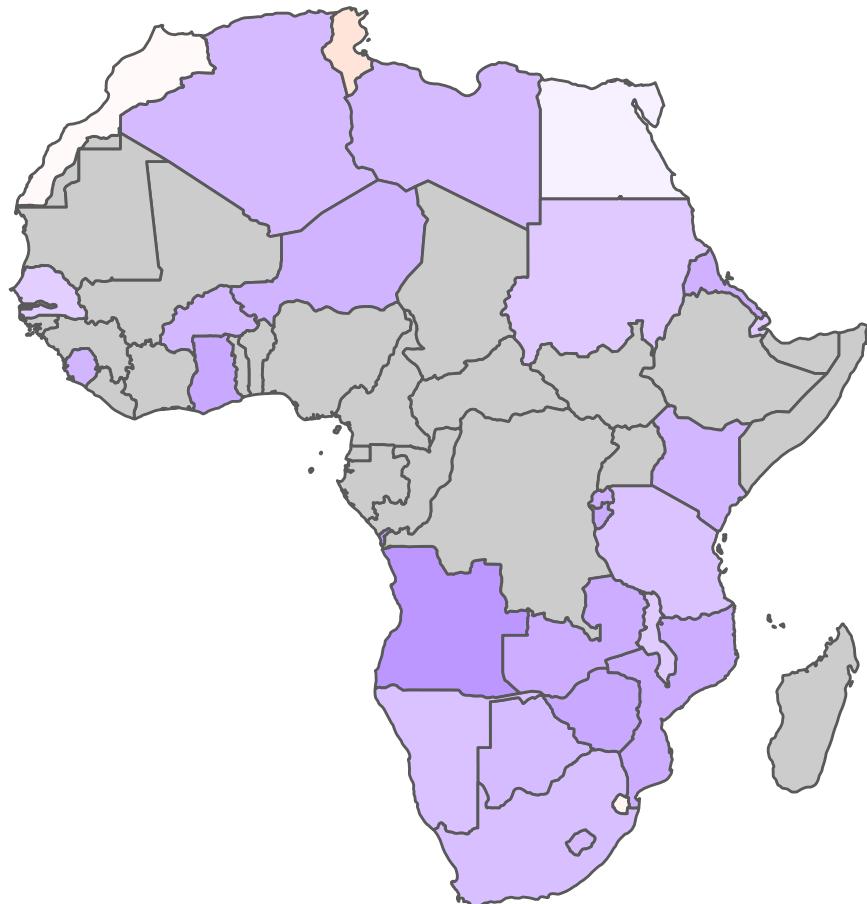
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

MCV1



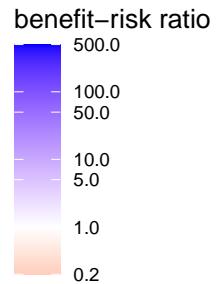
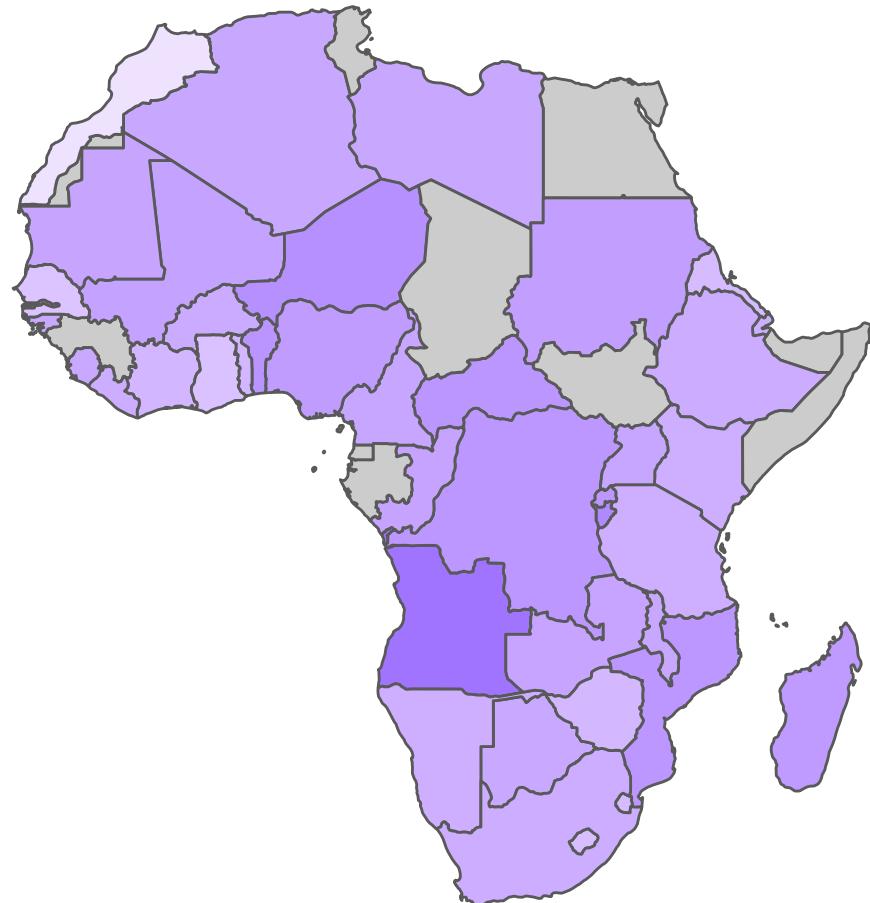
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

MCV2



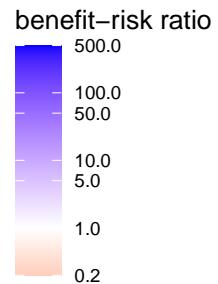
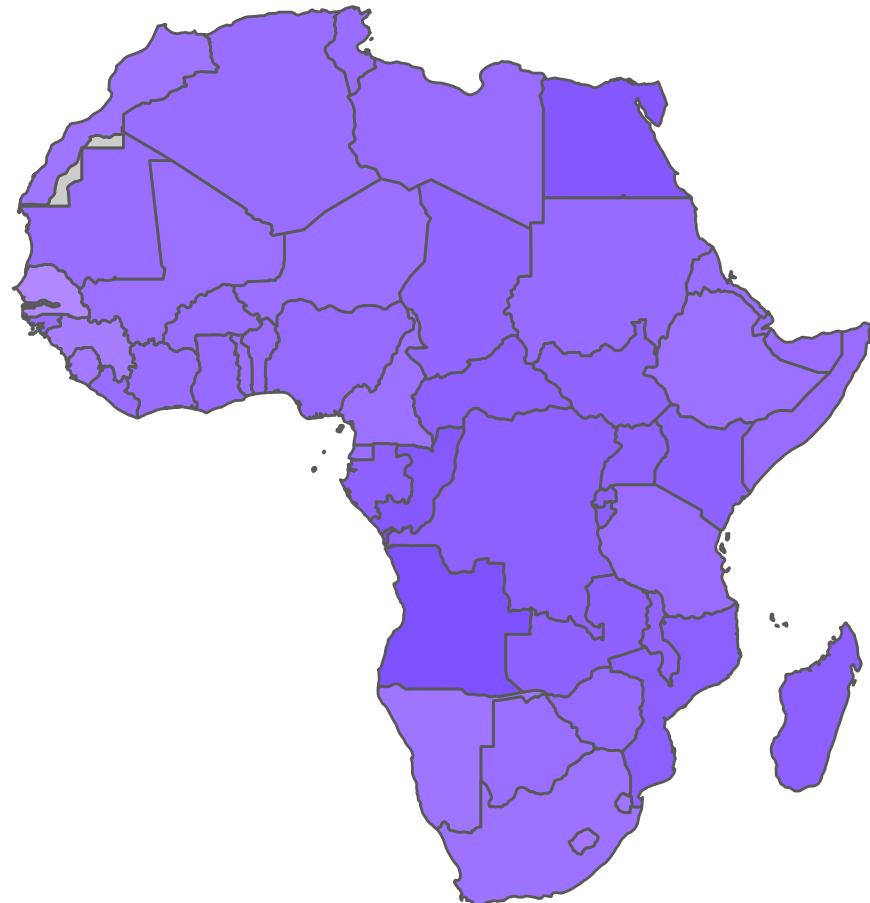
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

PCV3



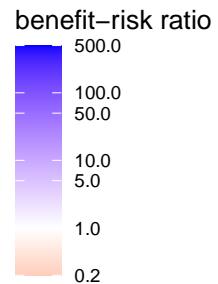
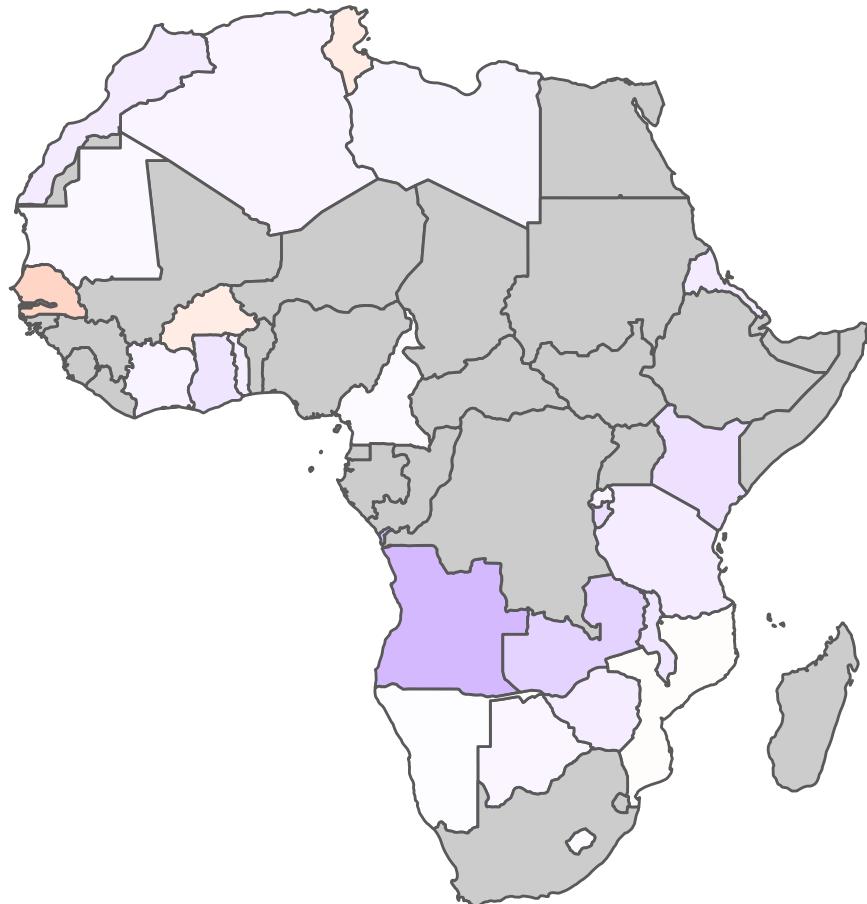
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



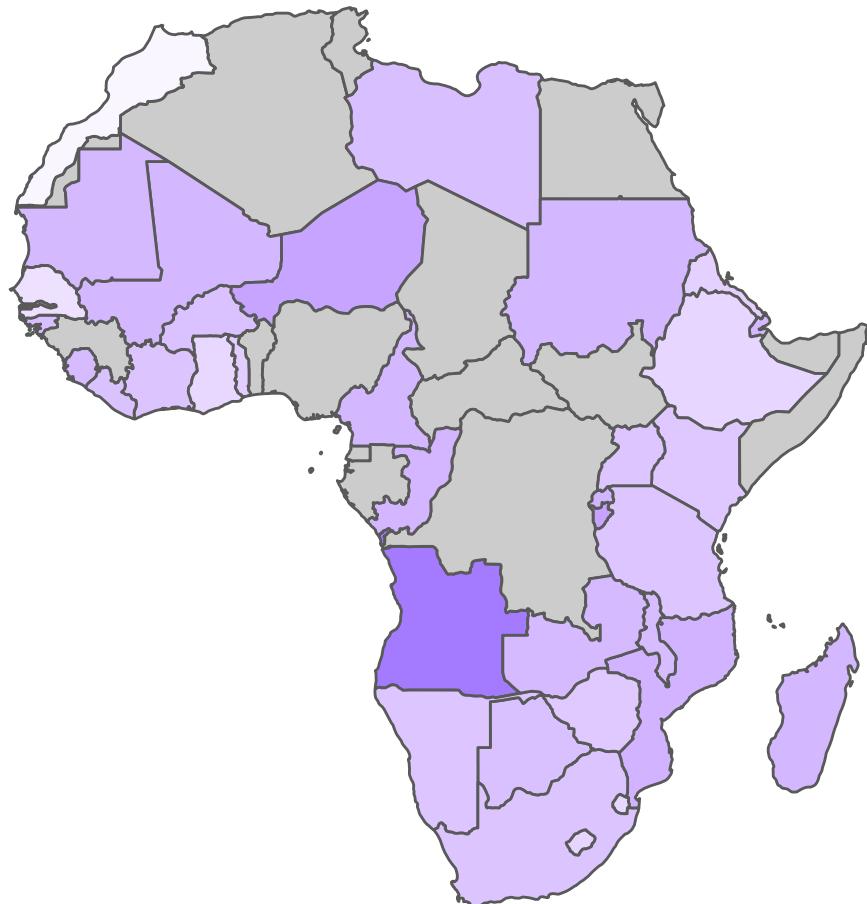
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

RCV1

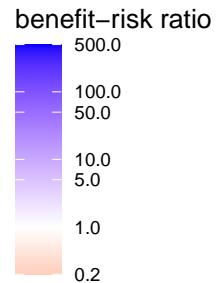
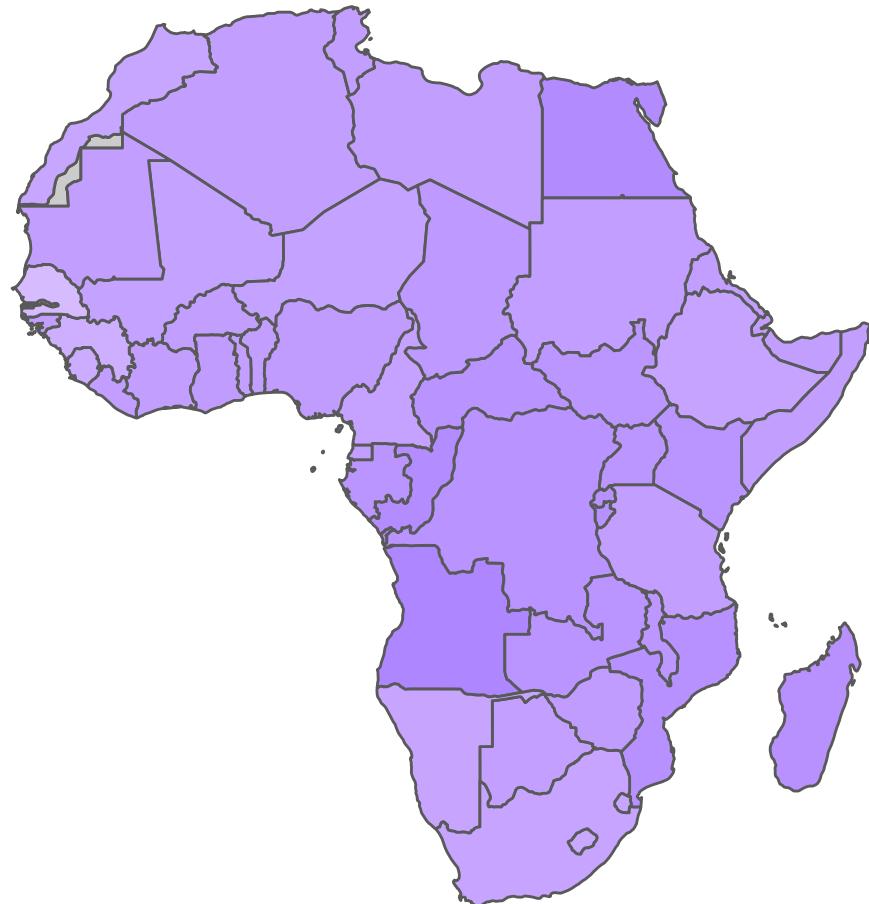


Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

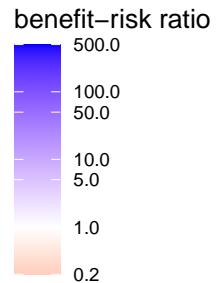
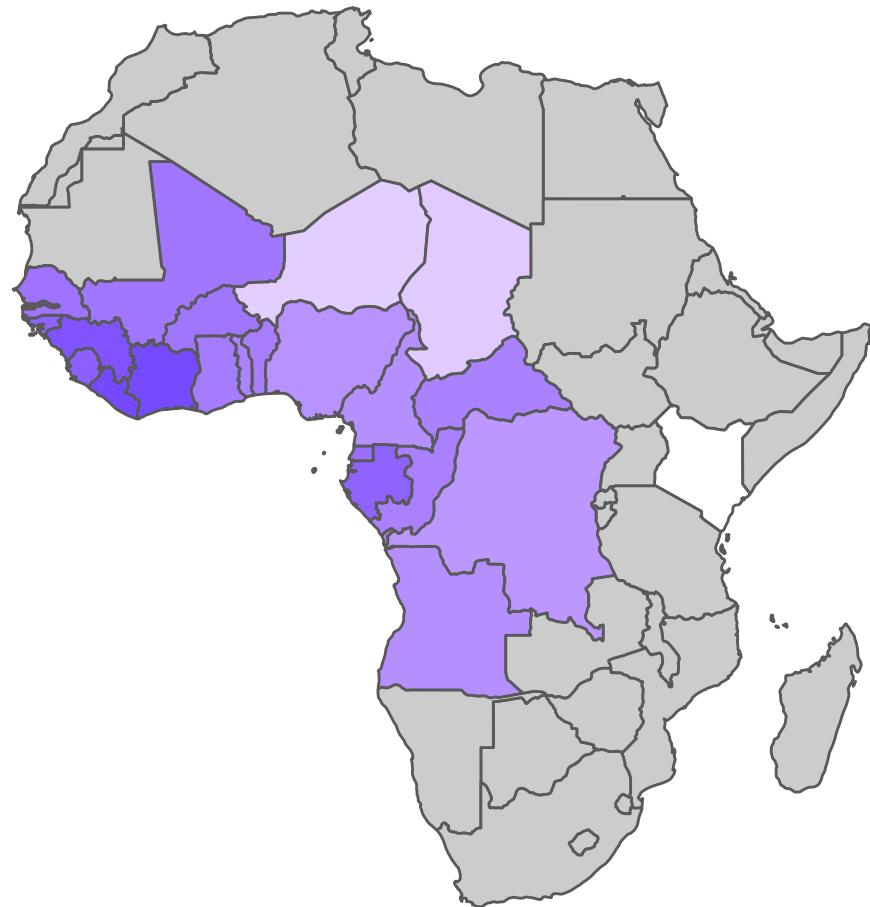
RotaC



Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death
Tetanus (DTP3)

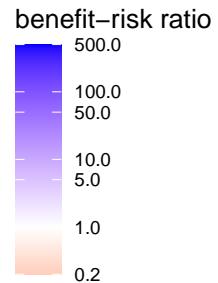
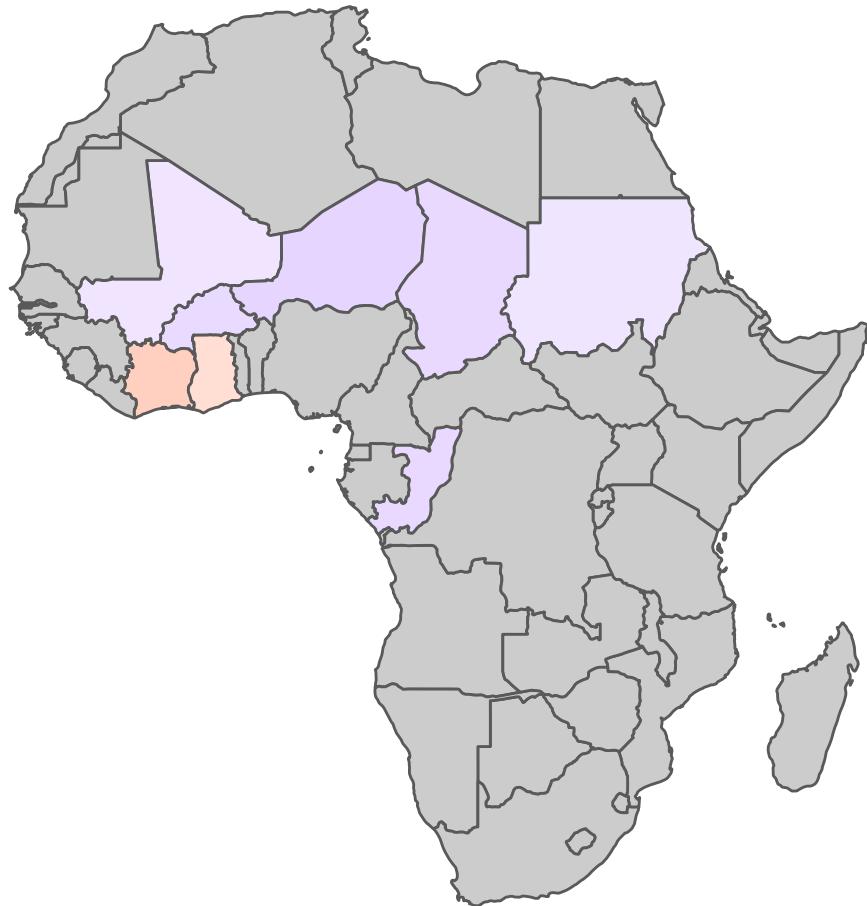


Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death
YFV



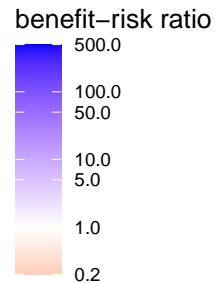
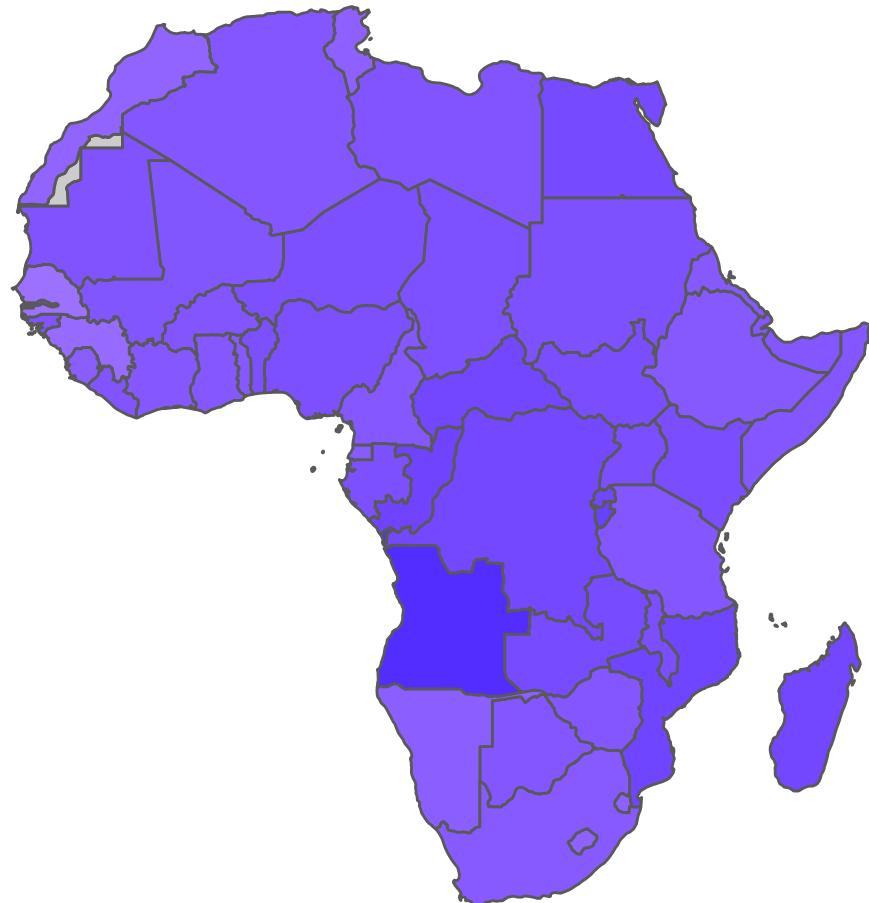
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

MenA



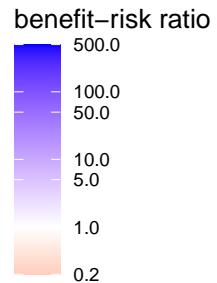
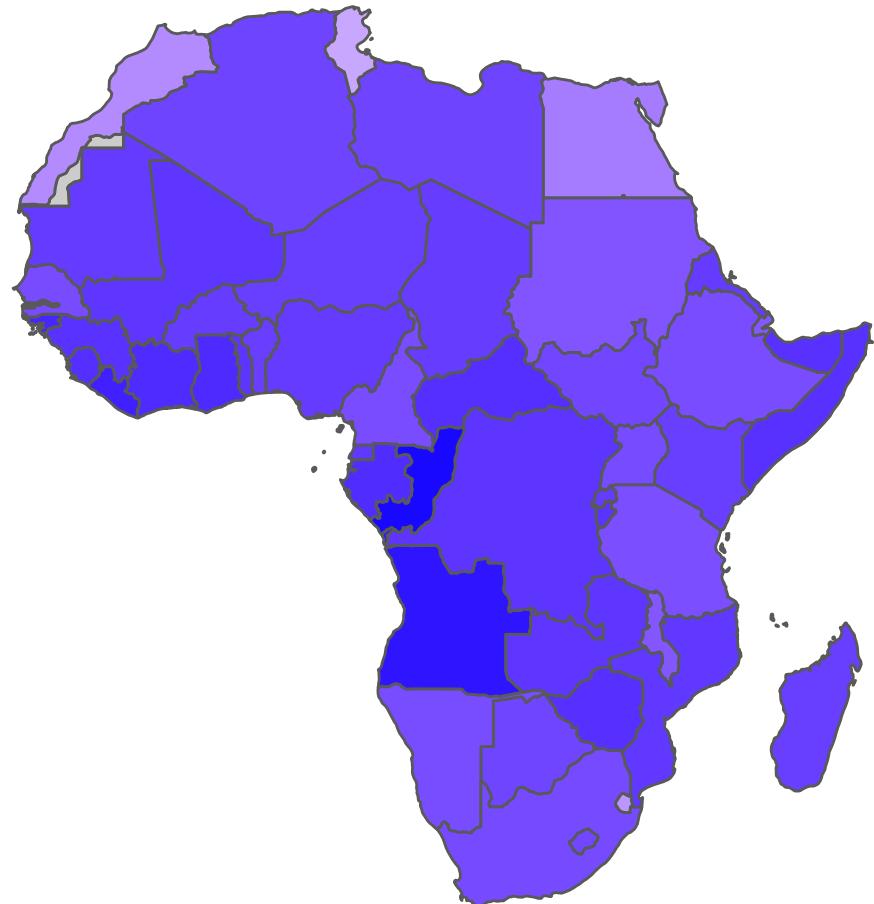
Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



Benefit–risk ratio (grandparents) – Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC, MCV1, RCV1, MenA, YFV, MCV2

