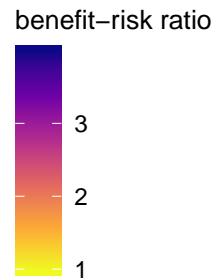
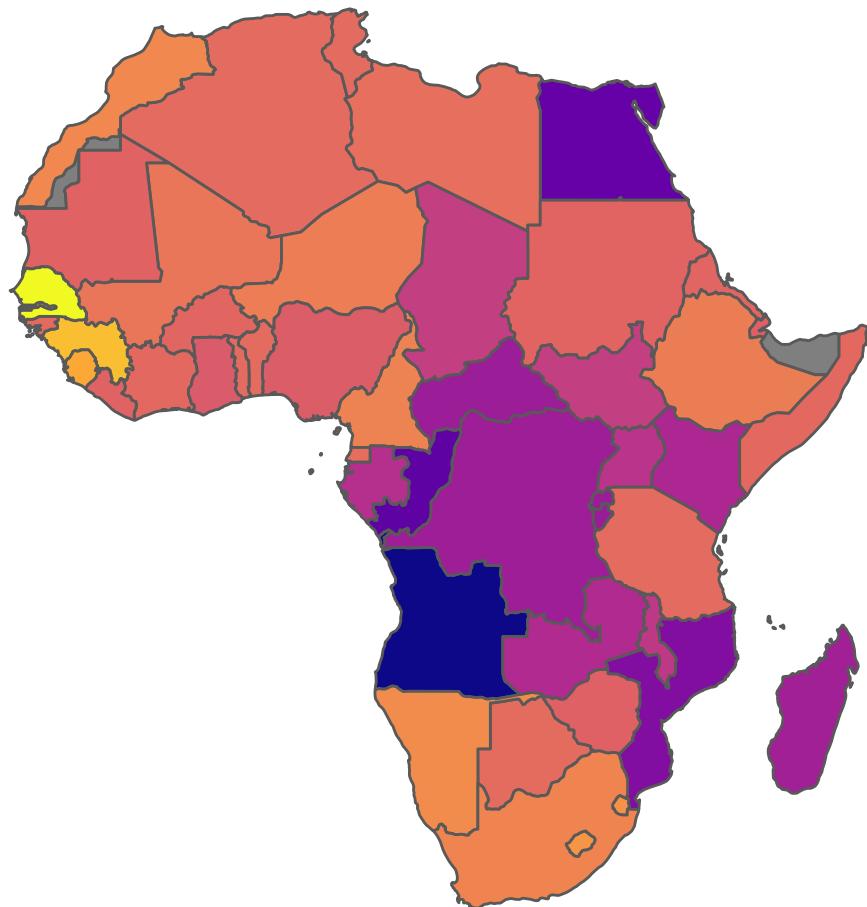


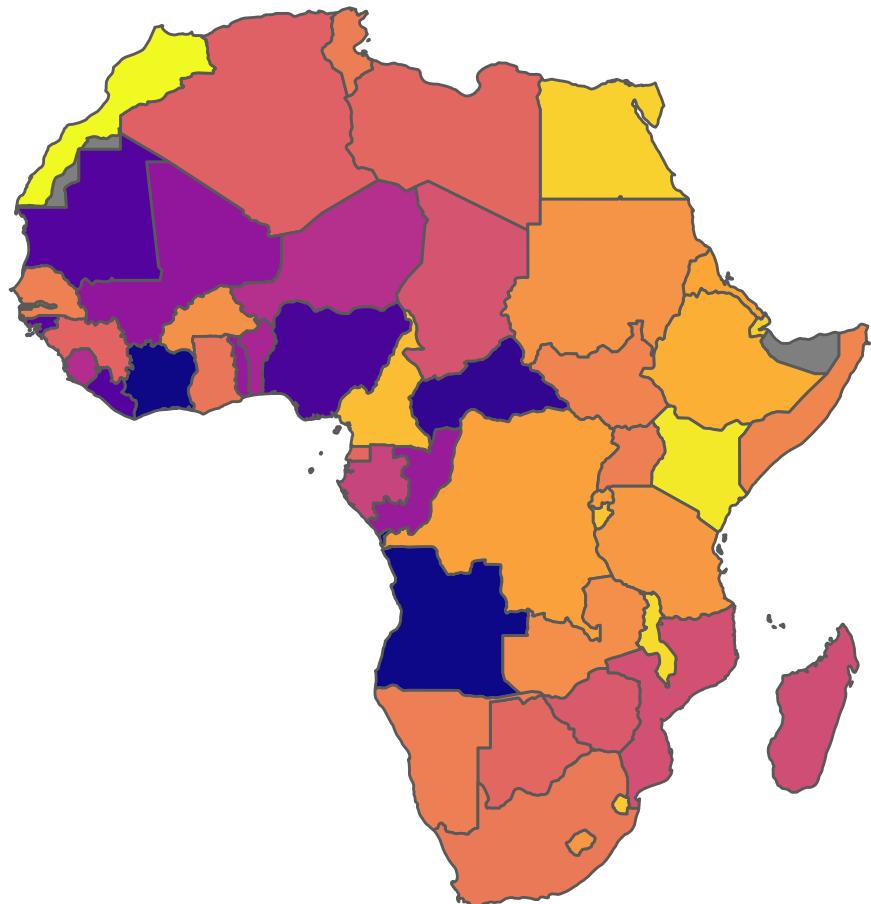
# Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



# Deaths averted by vaccination per excess COVID–19 death

HepB3

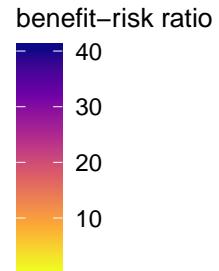
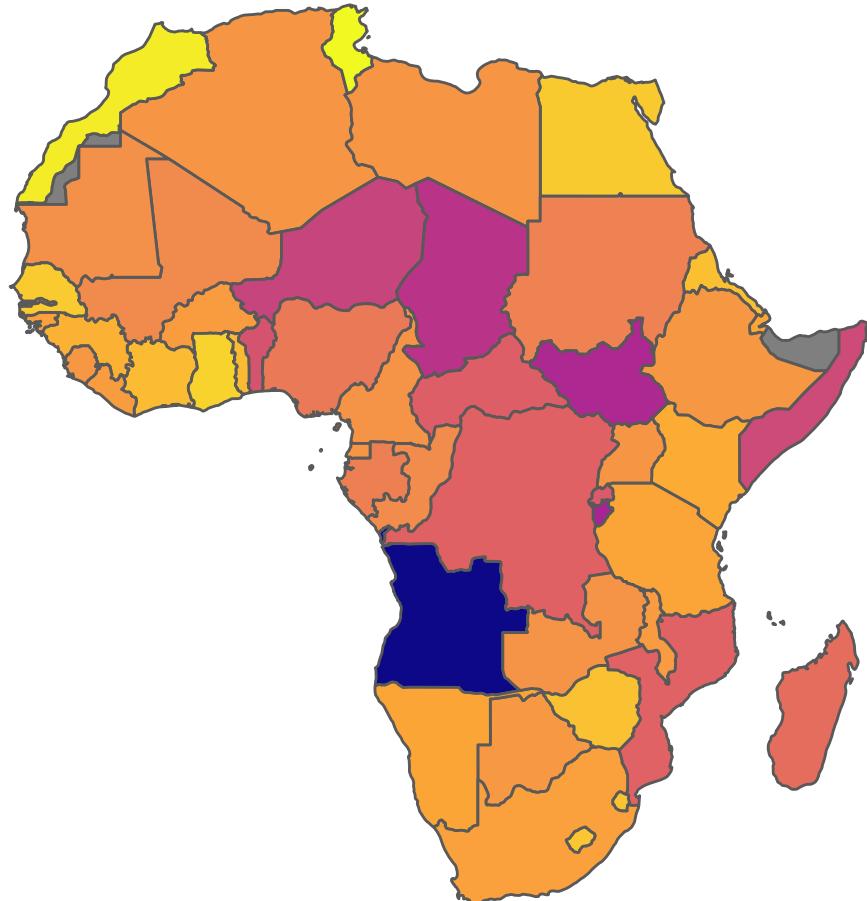


benefit–risk ratio

1.6
1.2
0.8
0.4

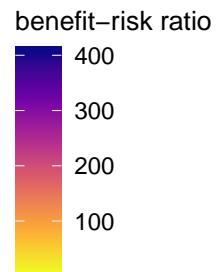
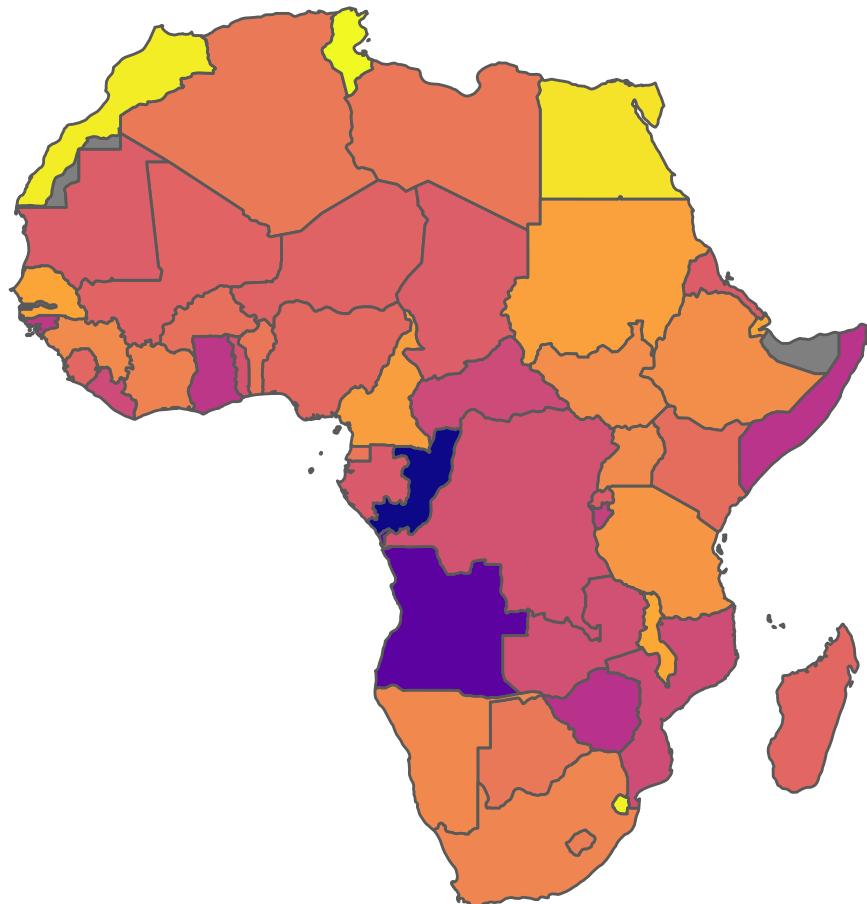
# Deaths averted by vaccination per excess COVID–19 death

Hib3



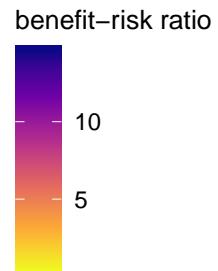
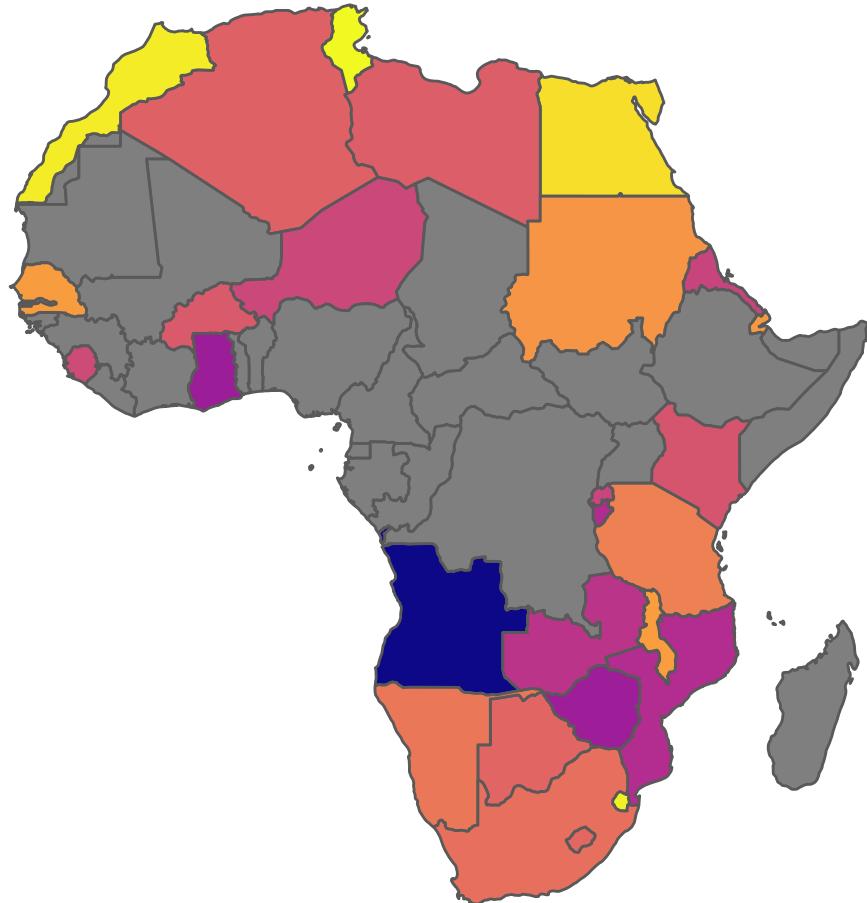
# Deaths averted by vaccination per excess COVID–19 death

MCV1



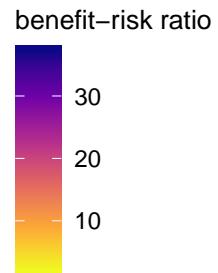
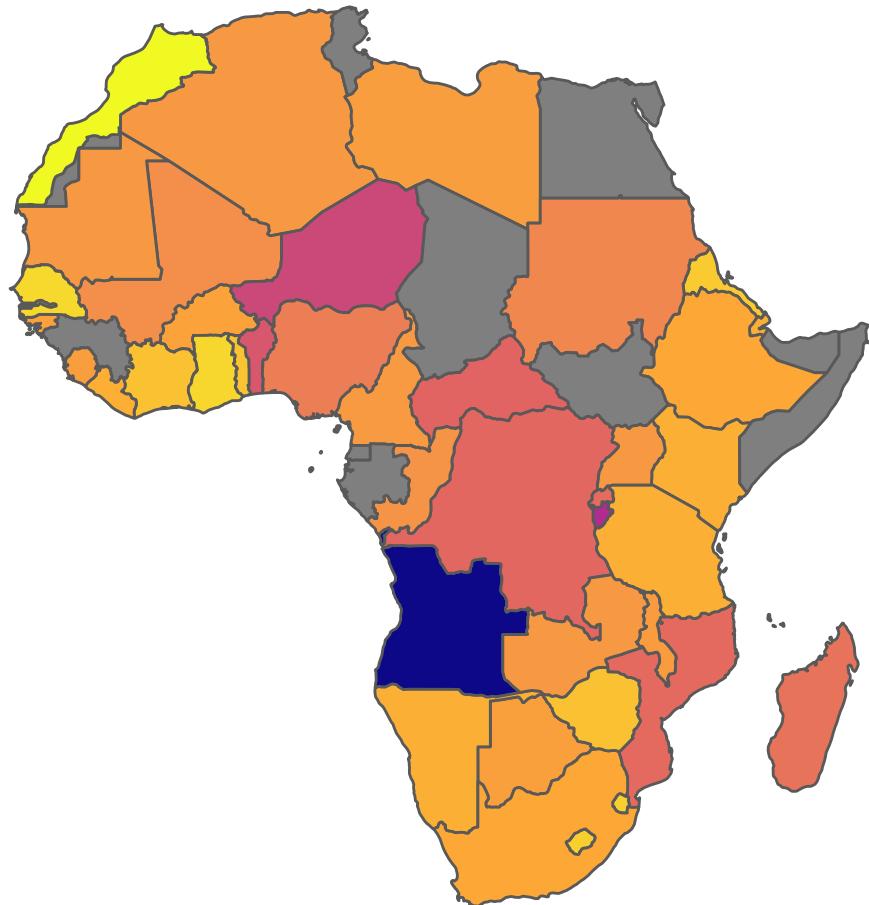
# Deaths averted by vaccination per excess COVID–19 death

MCV2



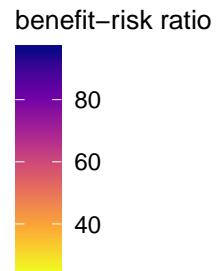
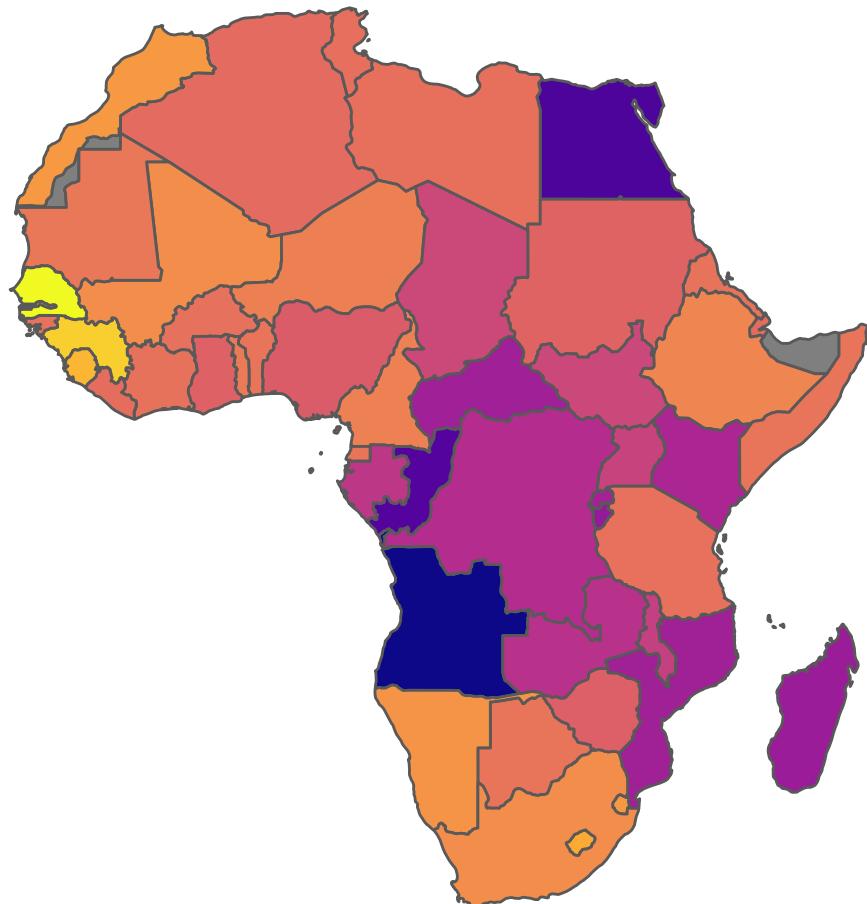
# Deaths averted by vaccination per excess COVID–19 death

PCV3



# Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



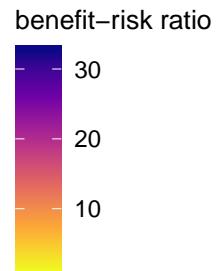
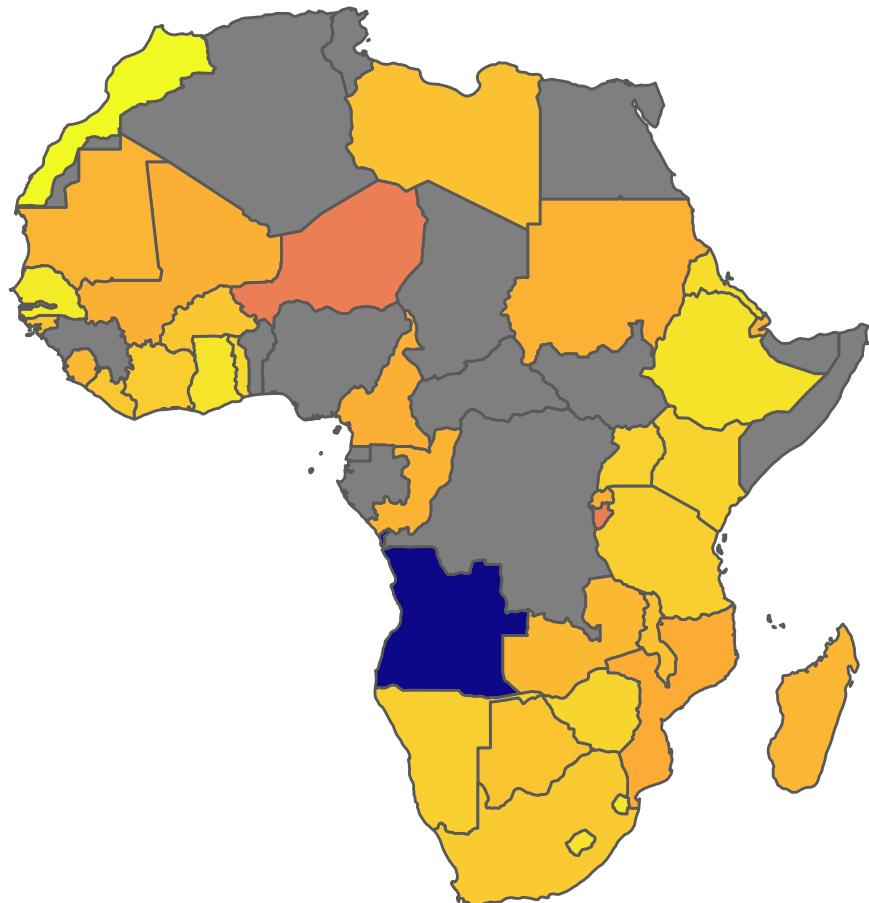
# Deaths averted by vaccination per excess COVID-19 death

RCV1



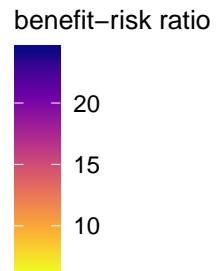
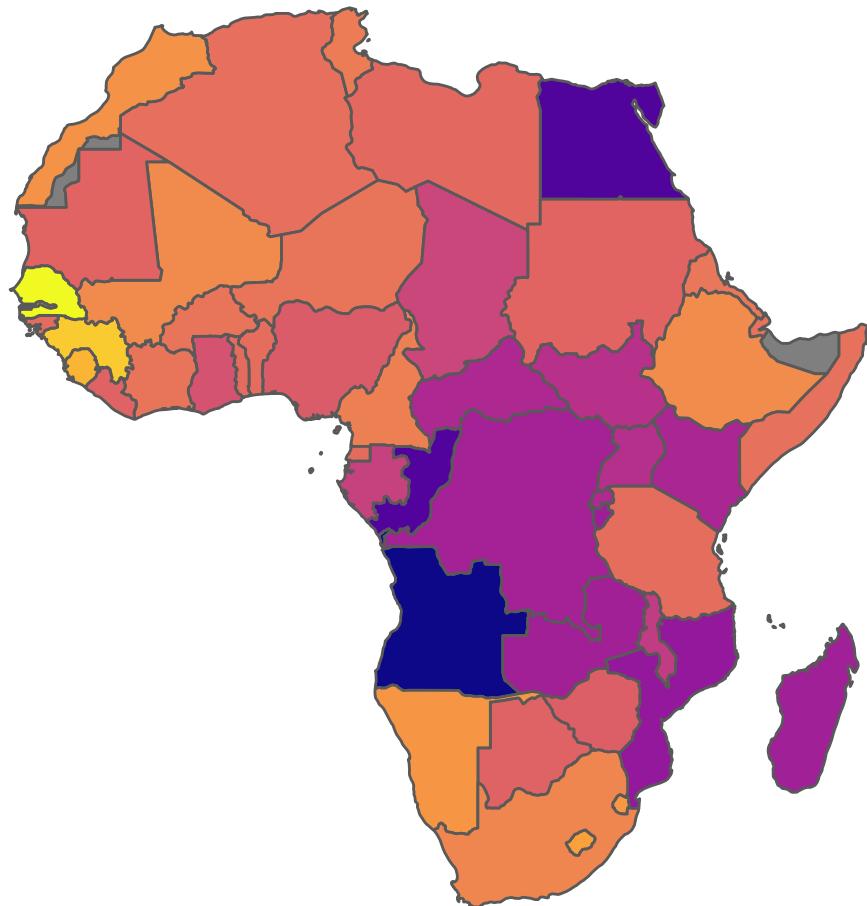
# Deaths averted by vaccination per excess COVID–19 death

RotaC



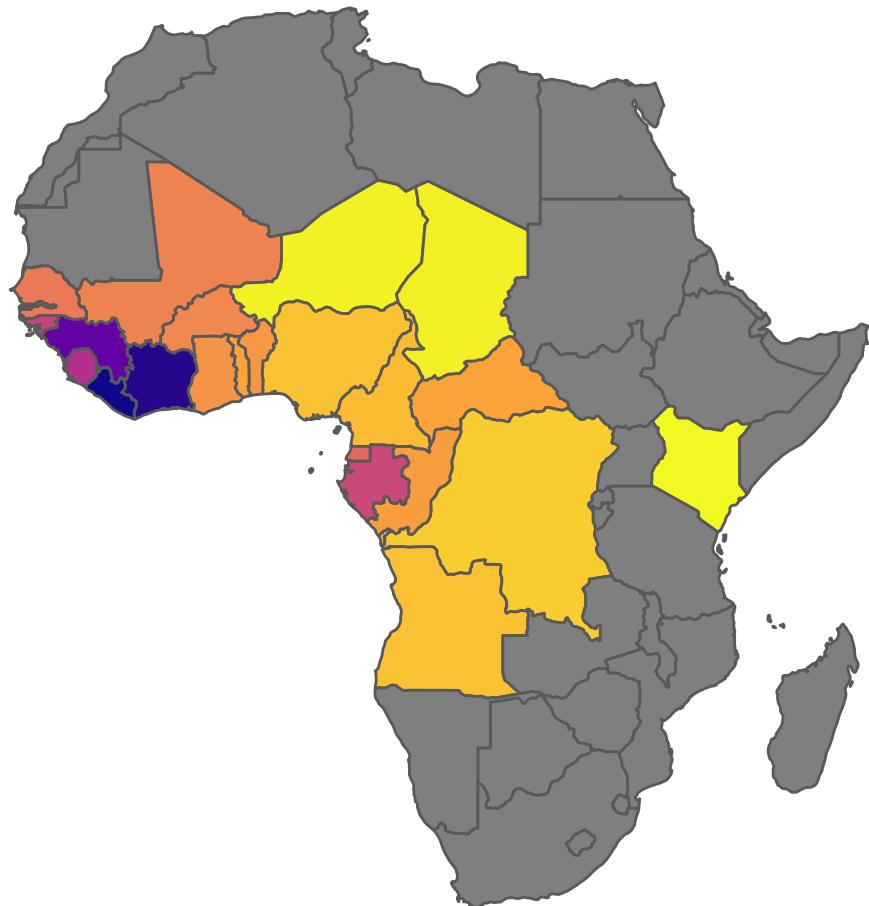
# Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



# Deaths averted by vaccination per excess COVID–19 death

YFV

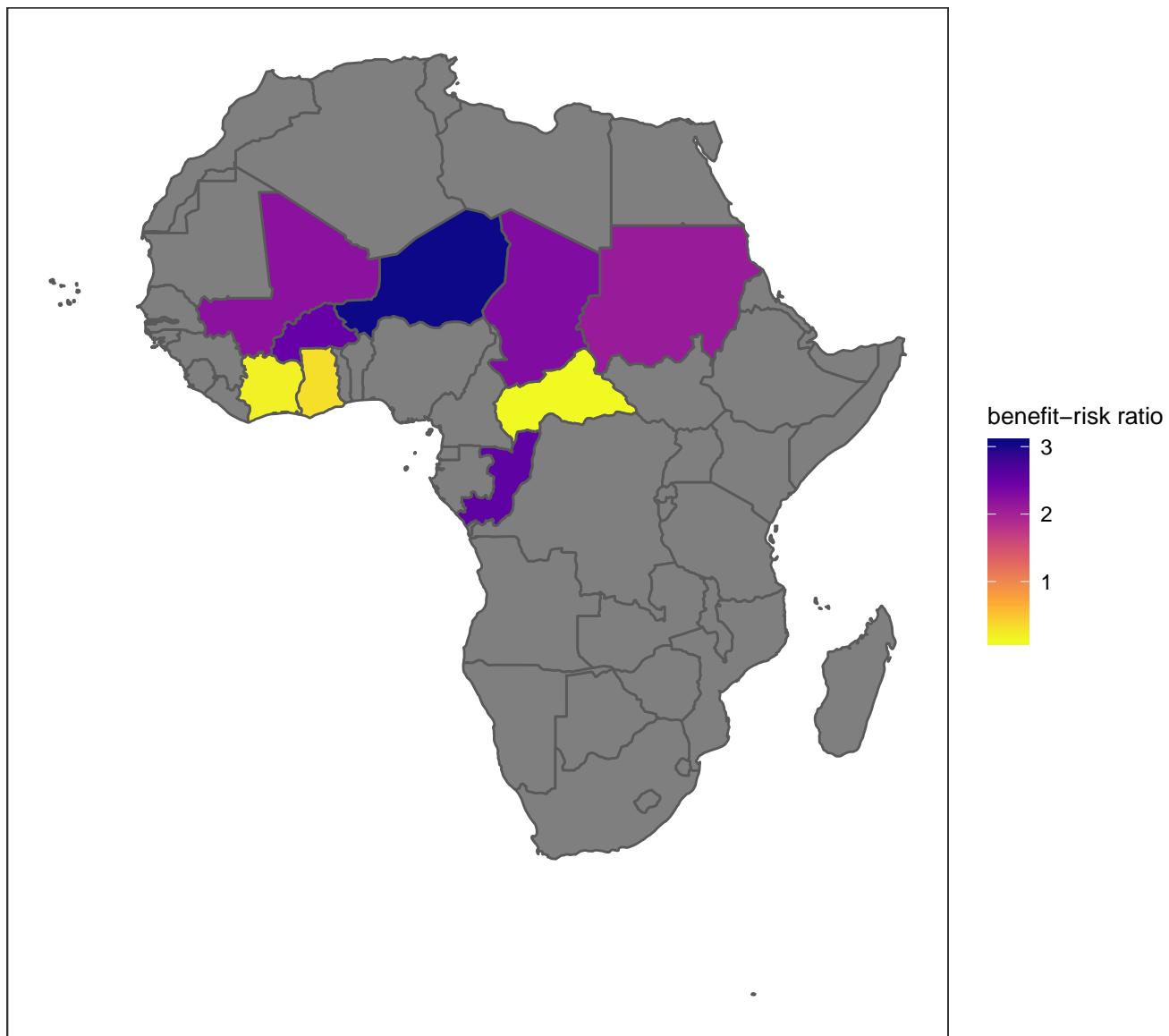


benefit–risk ratio

125
100
75
50
25

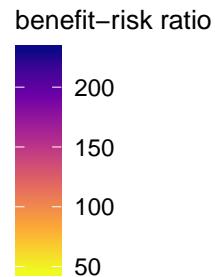
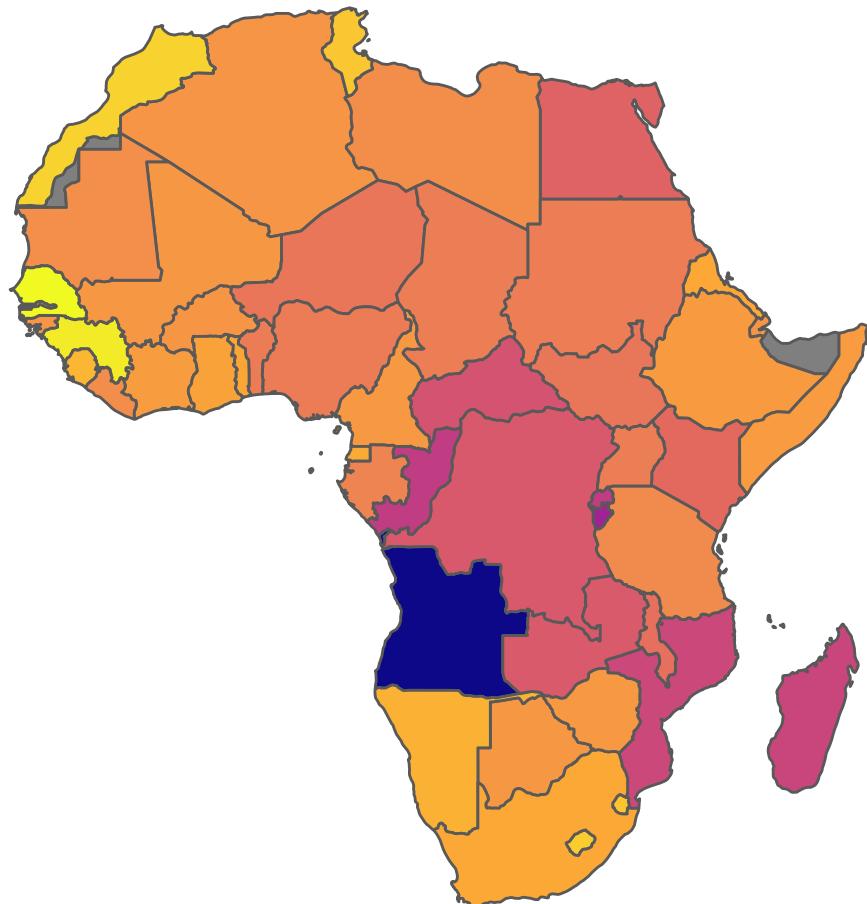
# Deaths averted by vaccination per excess COVID–19 death

MenA



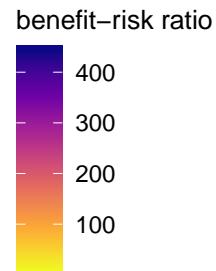
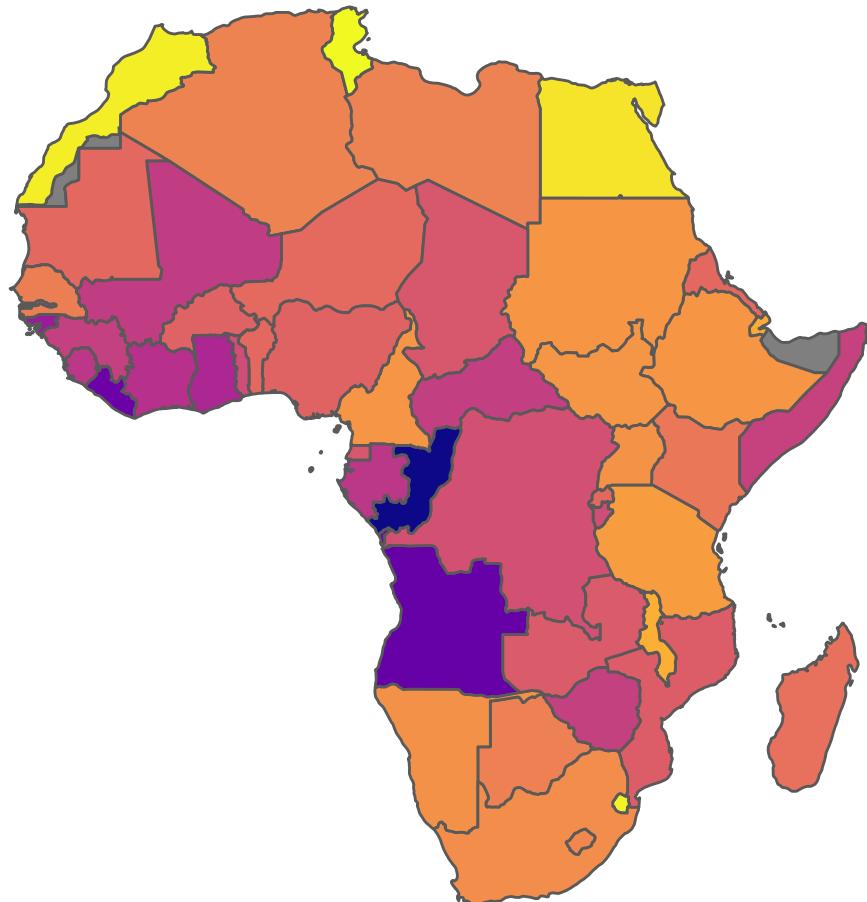
# Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



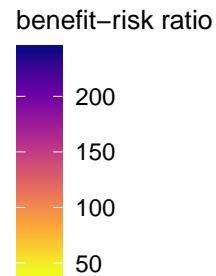
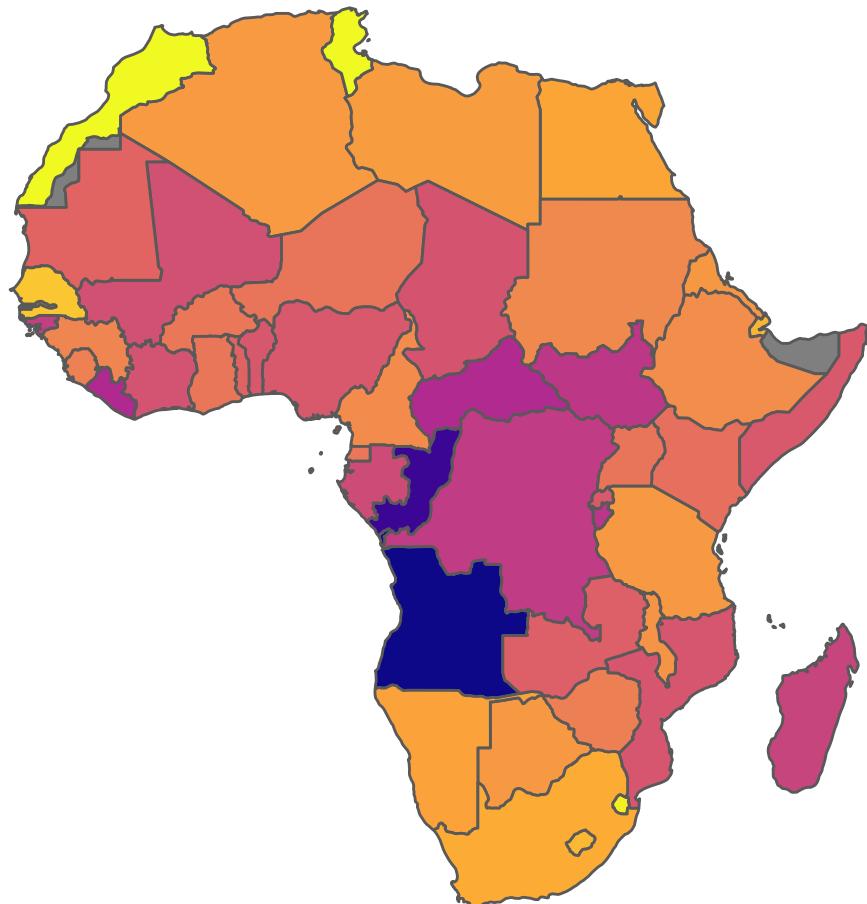
# Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



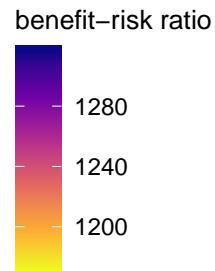
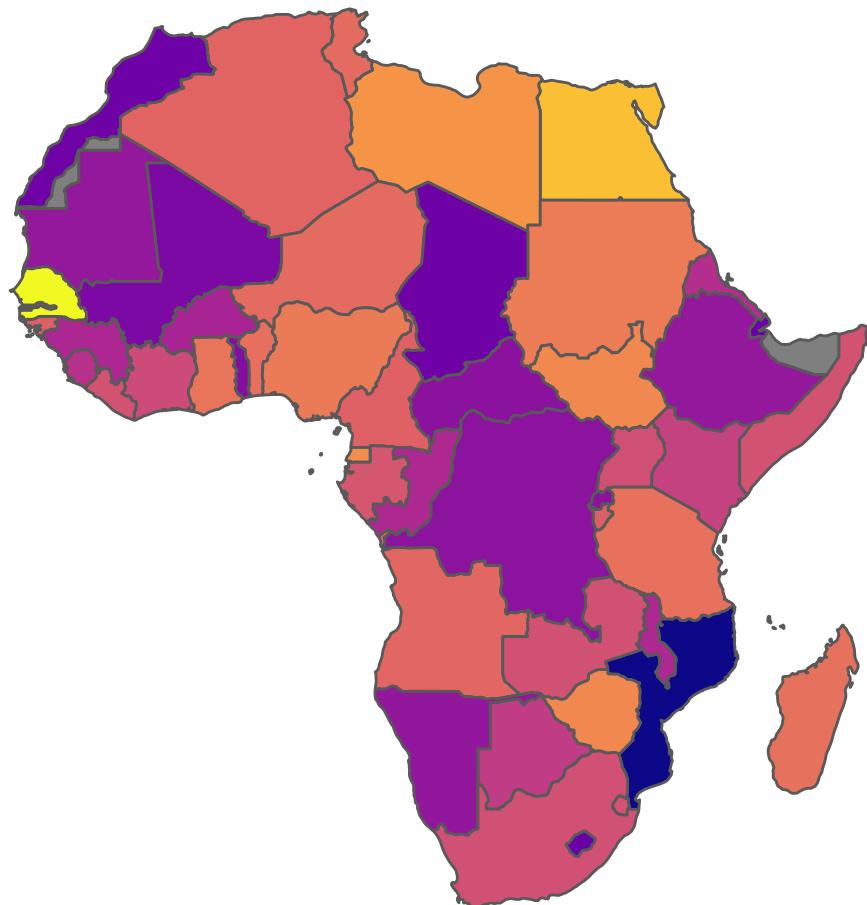
# Deaths averted by vaccination per excess COVID–19 death

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



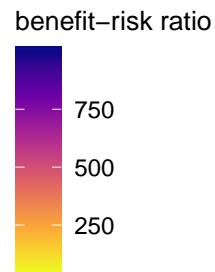
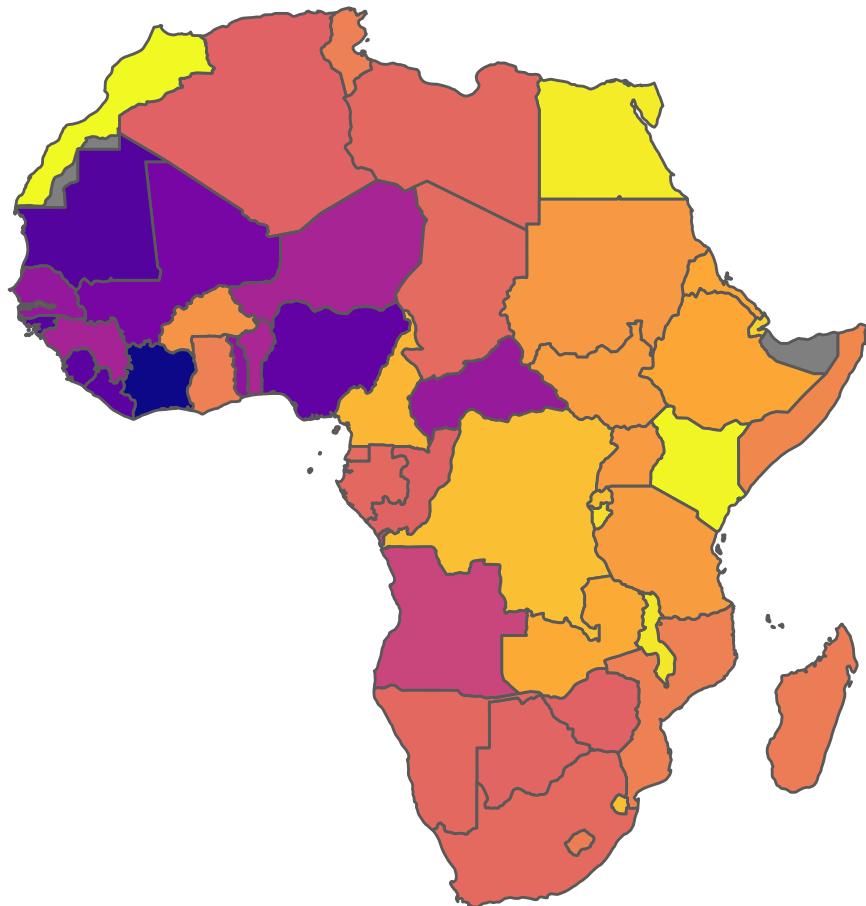
# Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



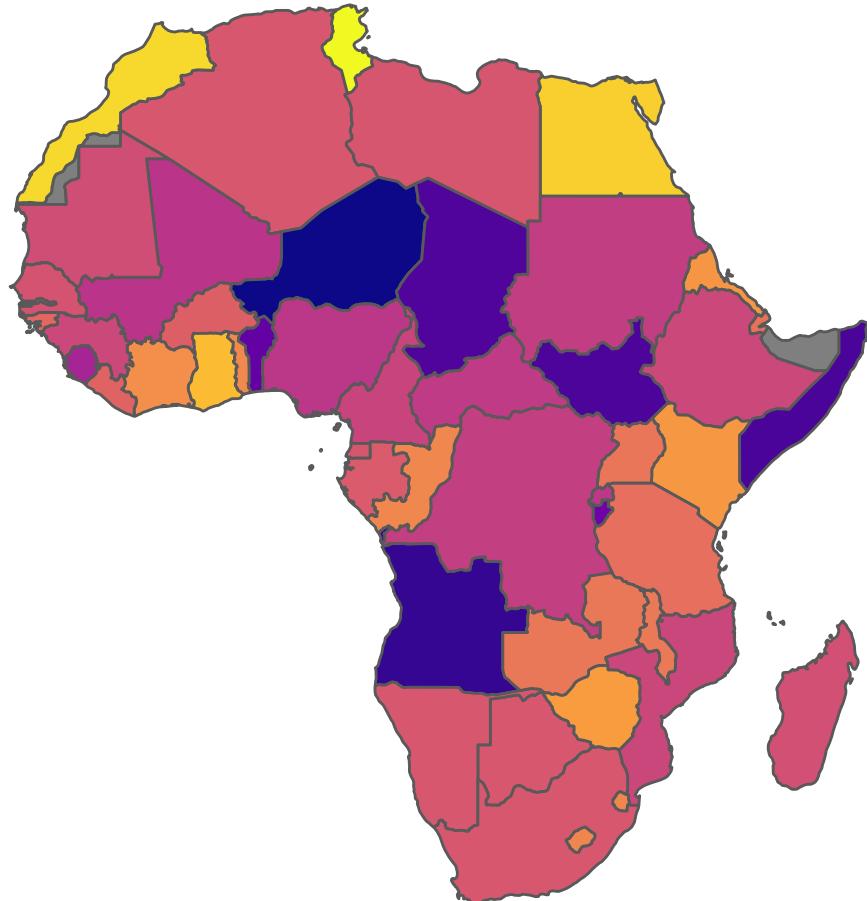
# Deaths averted by vaccination per excess COVID–19 death

HepB3



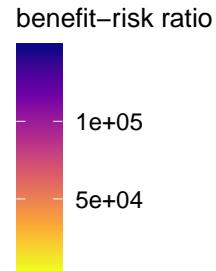
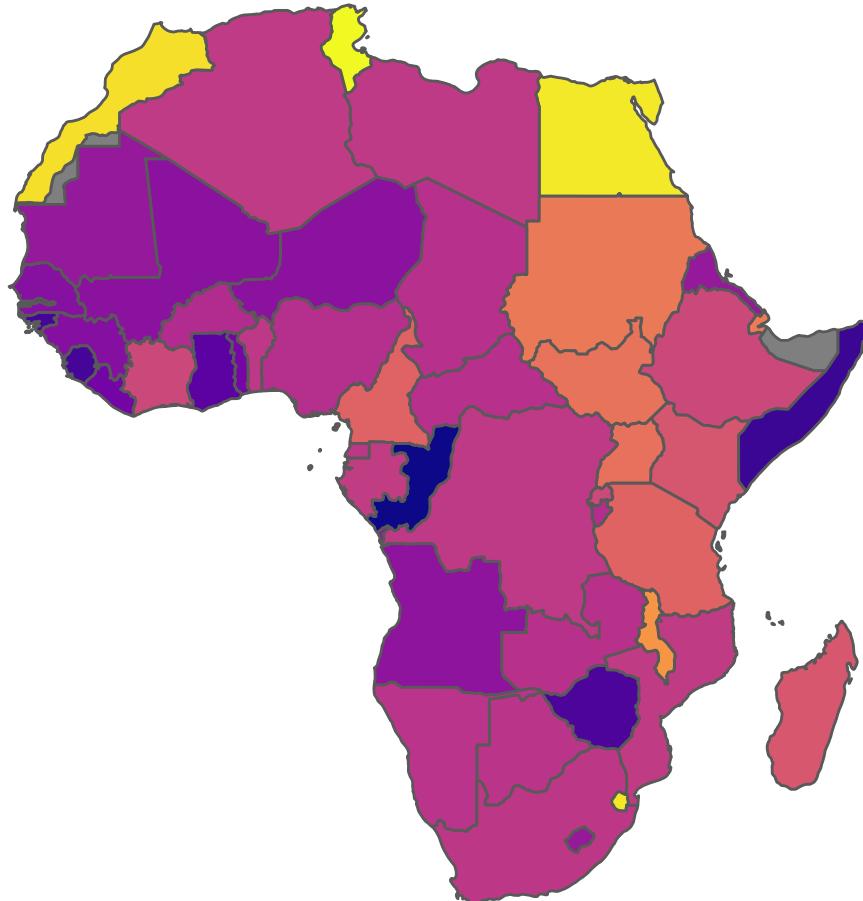
# Deaths averted by vaccination per excess COVID–19 death

Hib3



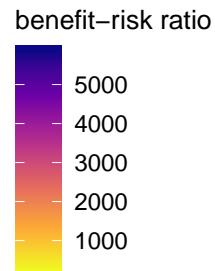
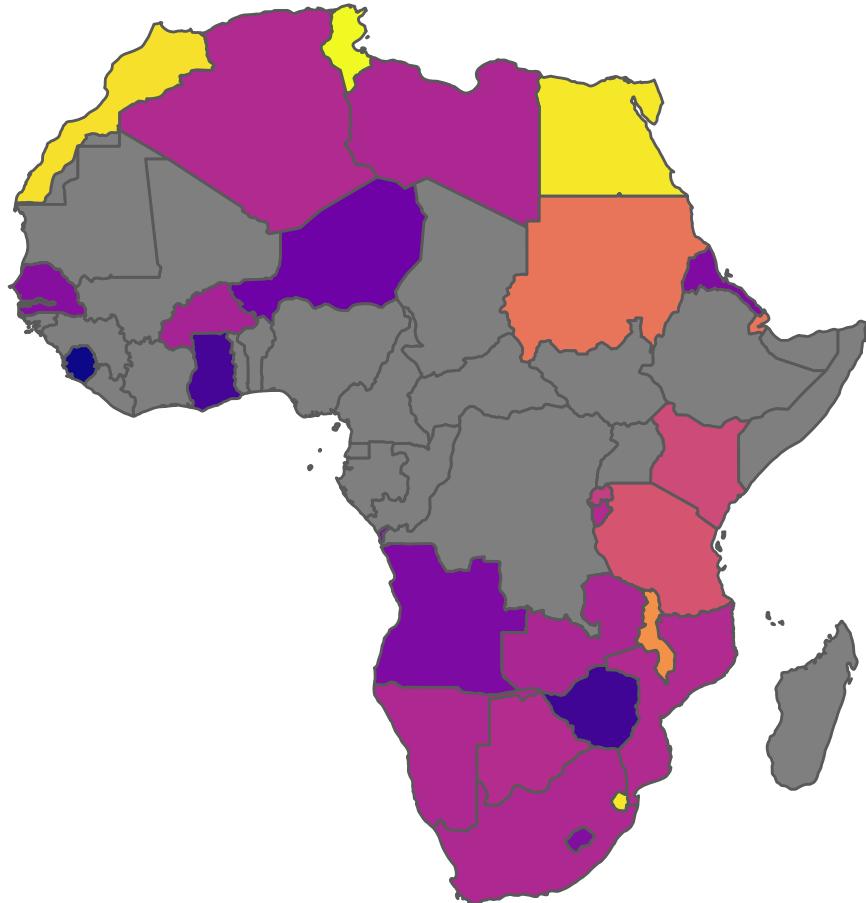
# Deaths averted by vaccination per excess COVID–19 death

MCV1



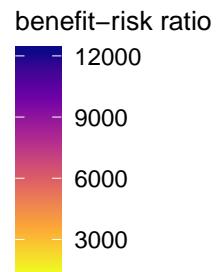
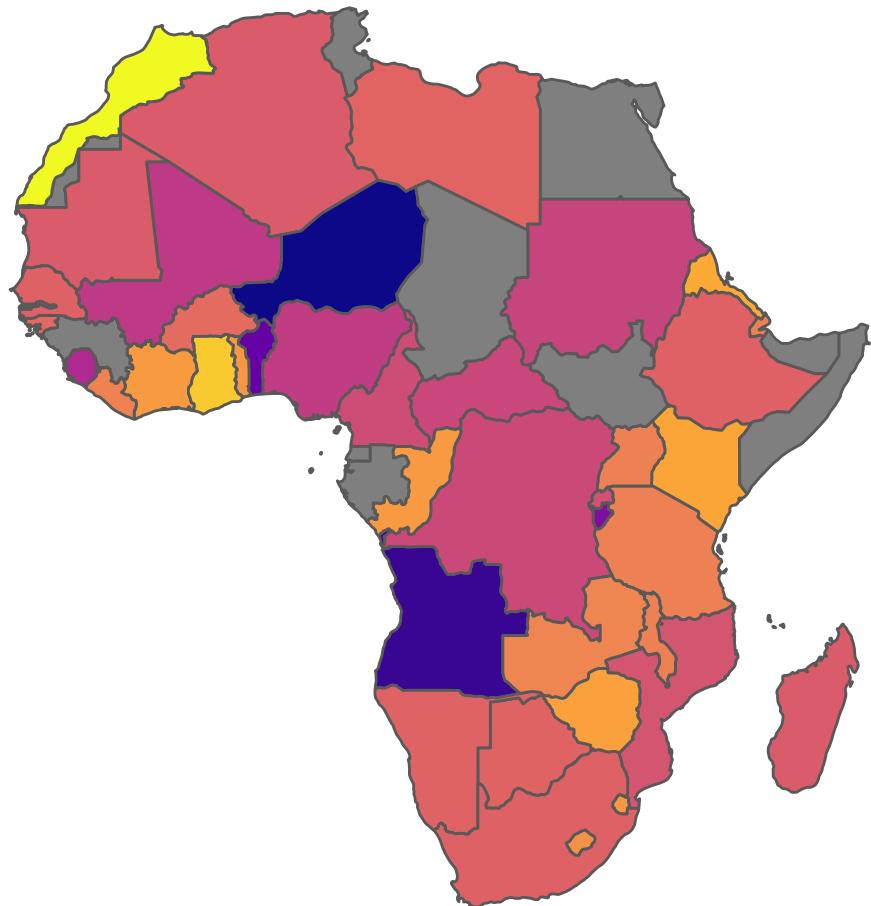
# Deaths averted by vaccination per excess COVID–19 death

MCV2



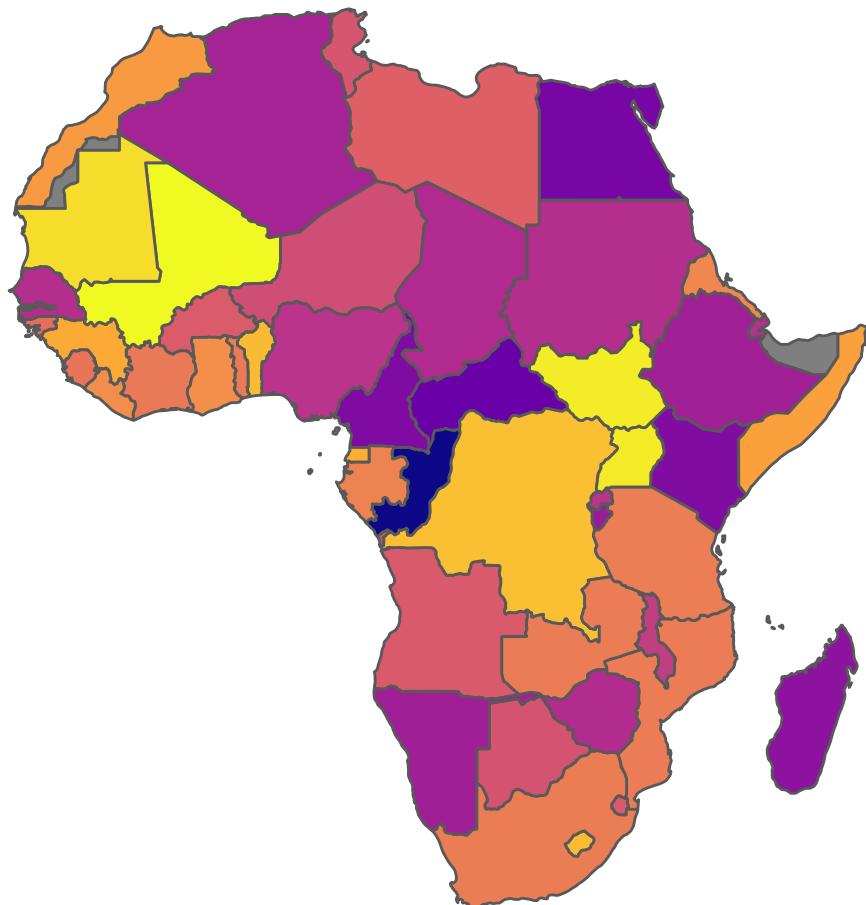
# Deaths averted by vaccination per excess COVID–19 death

PCV3



# Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



benefit–risk ratio

30000

29000

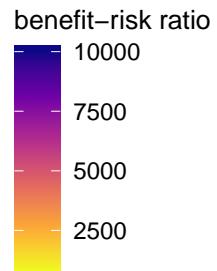
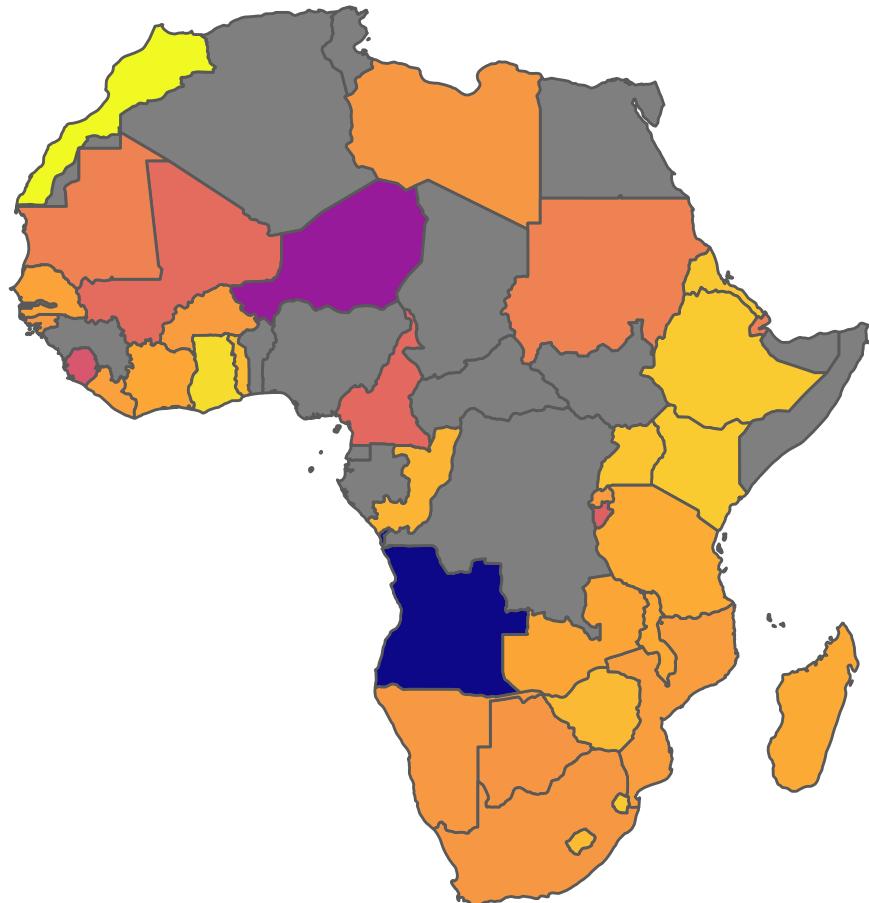
# Deaths averted by vaccination per excess COVID-19 death

RCV1



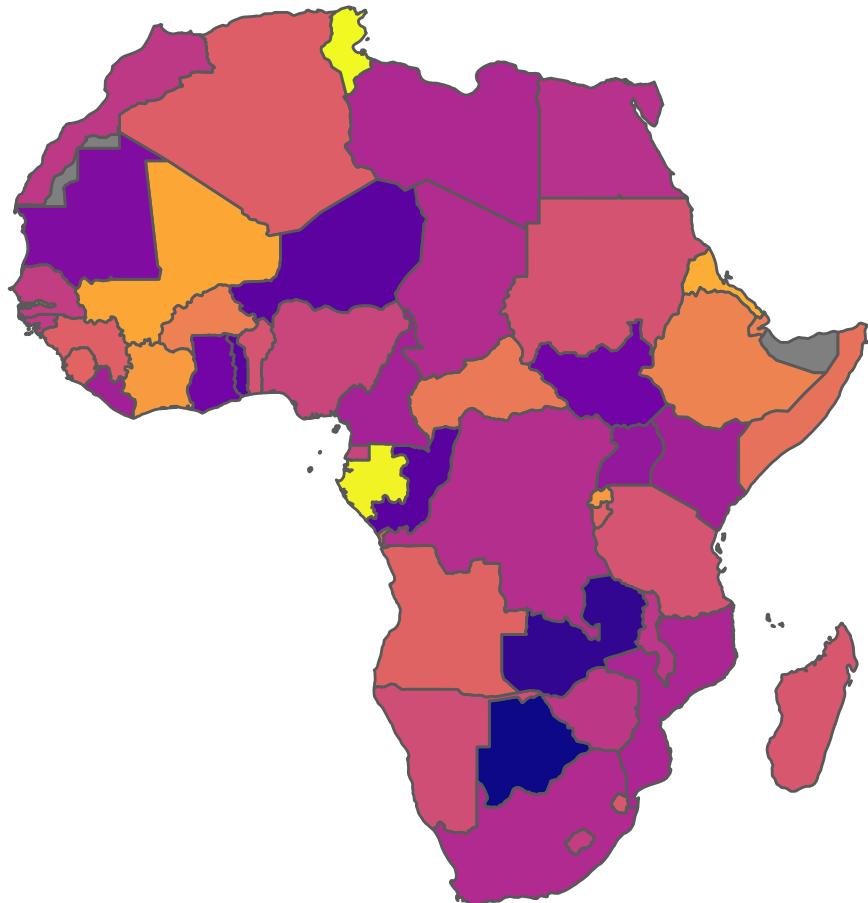
# Deaths averted by vaccination per excess COVID–19 death

RotaC



# Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



benefit–risk ratio

8000

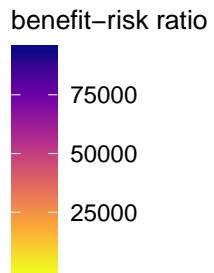
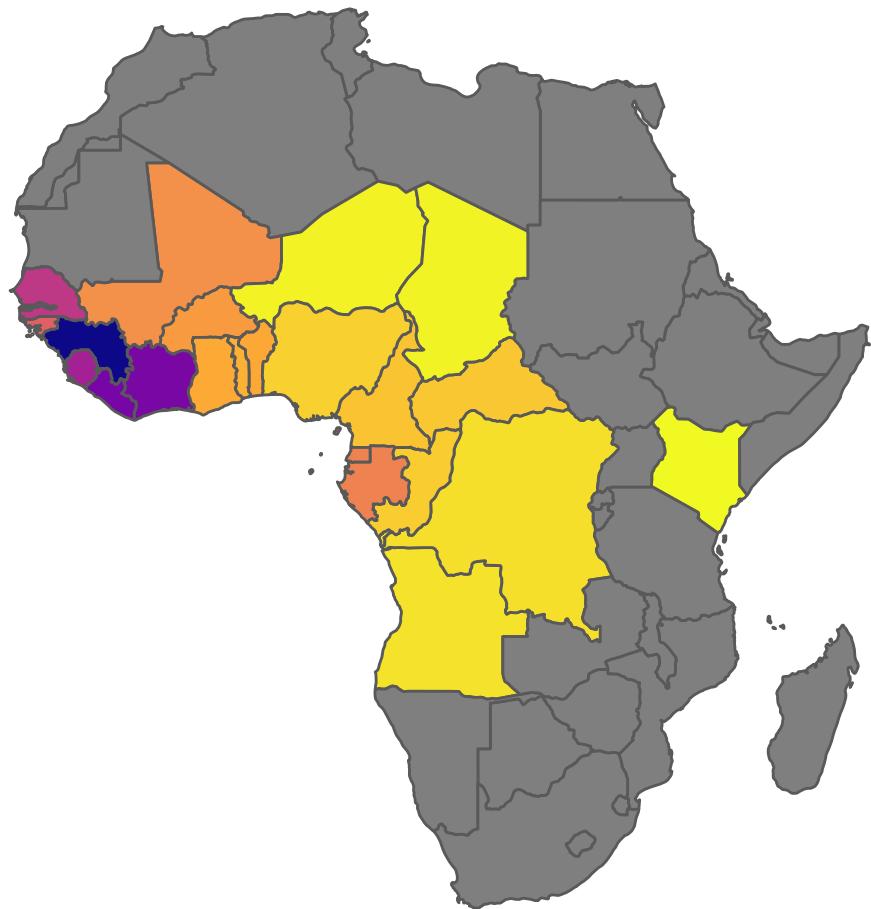
7750

7500

7250

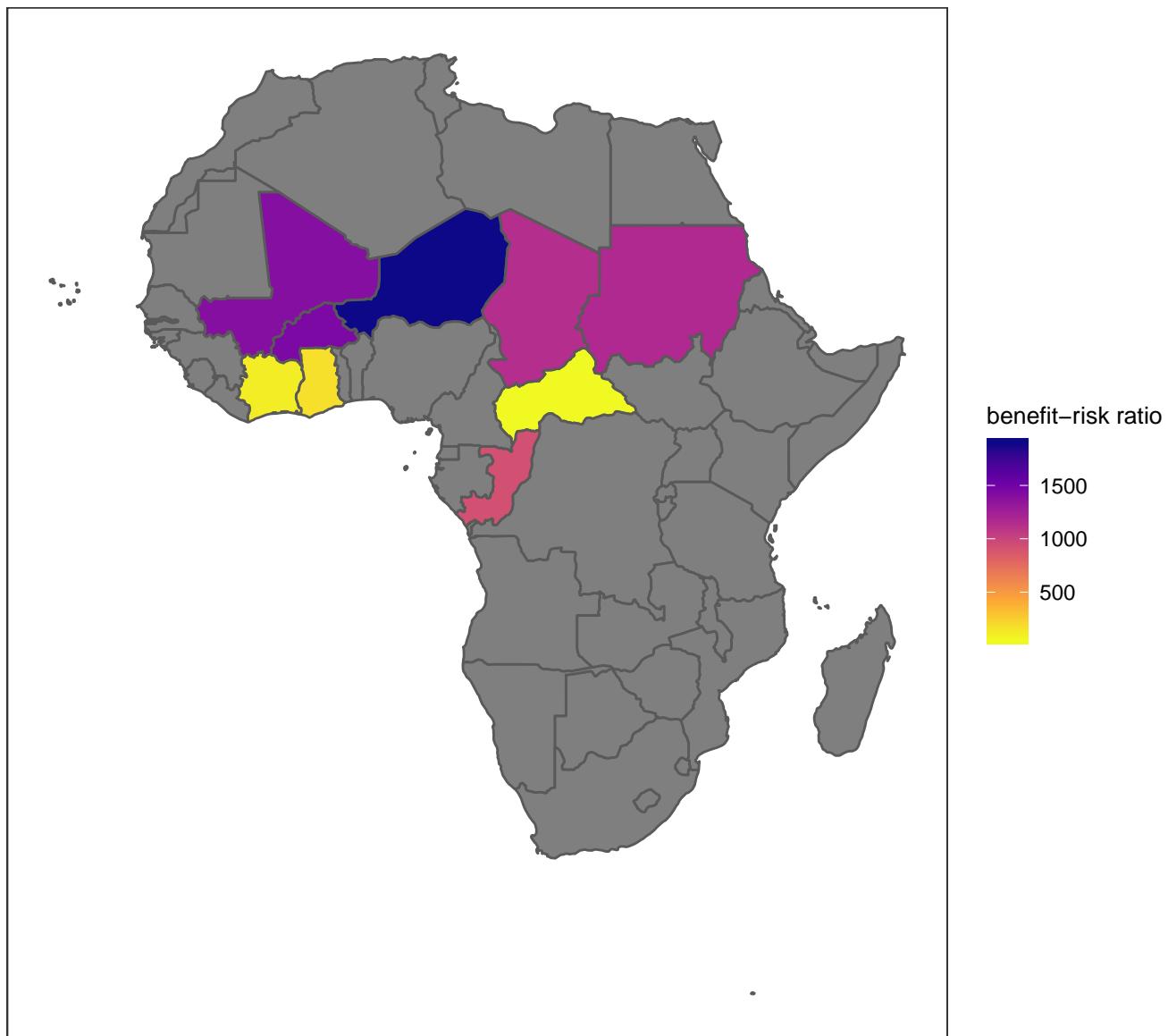
# Deaths averted by vaccination per excess COVID–19 death

YFV



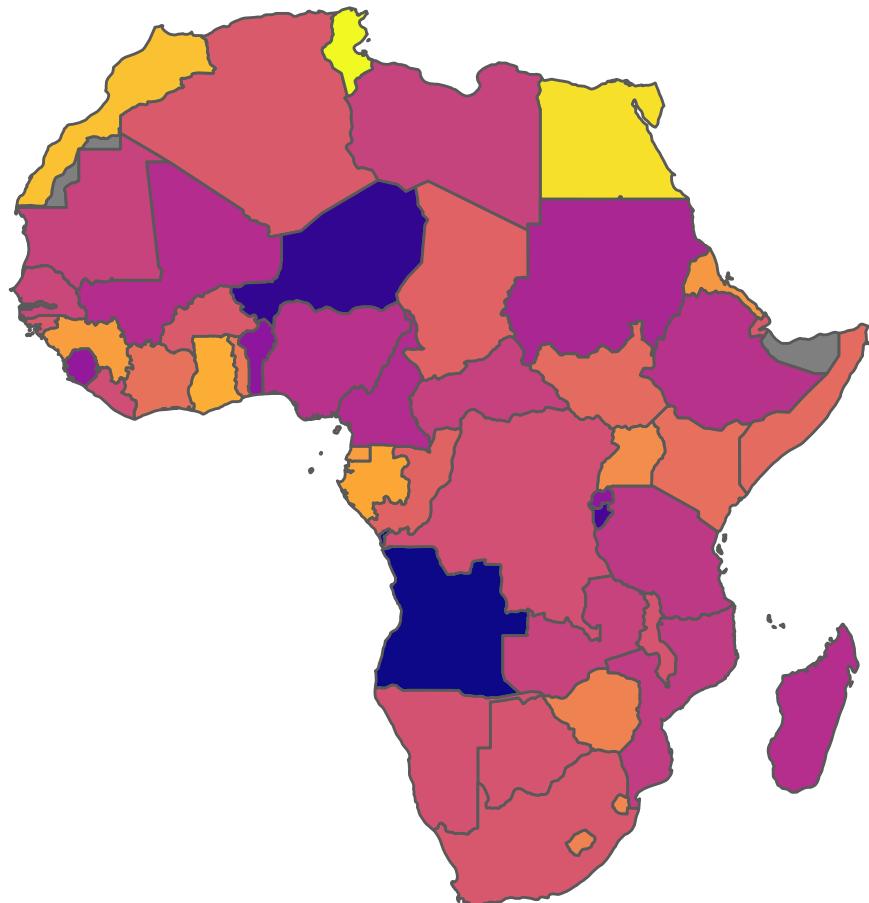
# Deaths averted by vaccination per excess COVID–19 death

MenA



# Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



benefit–risk ratio

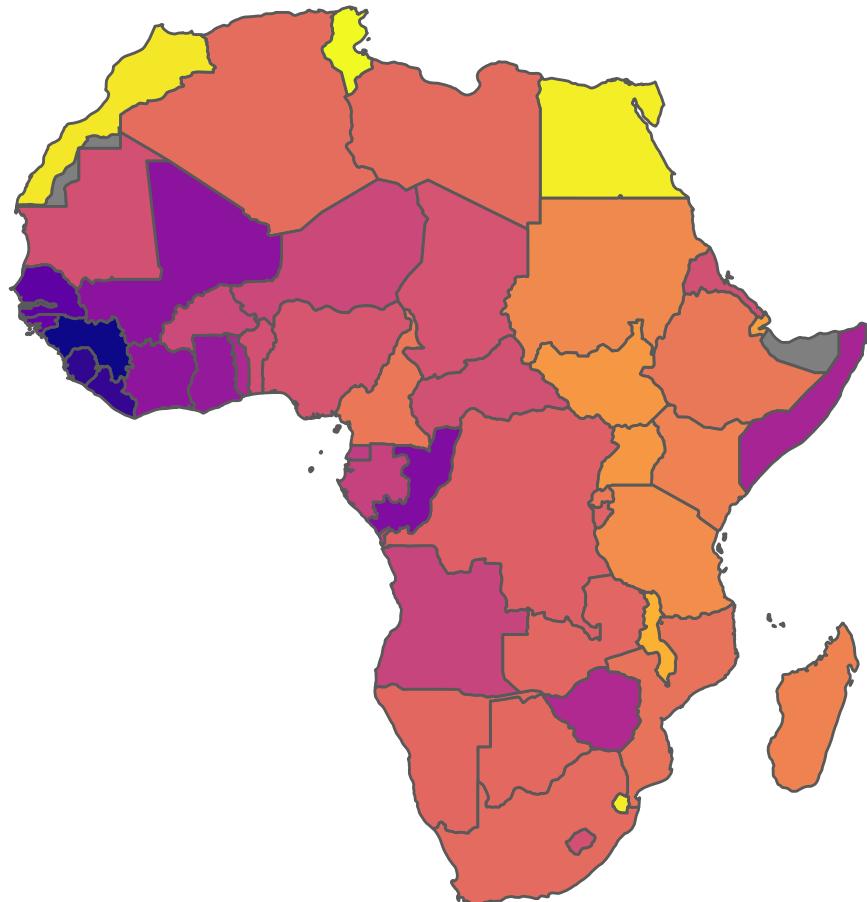
70000

60000

50000

# Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



benefit–risk ratio

200000

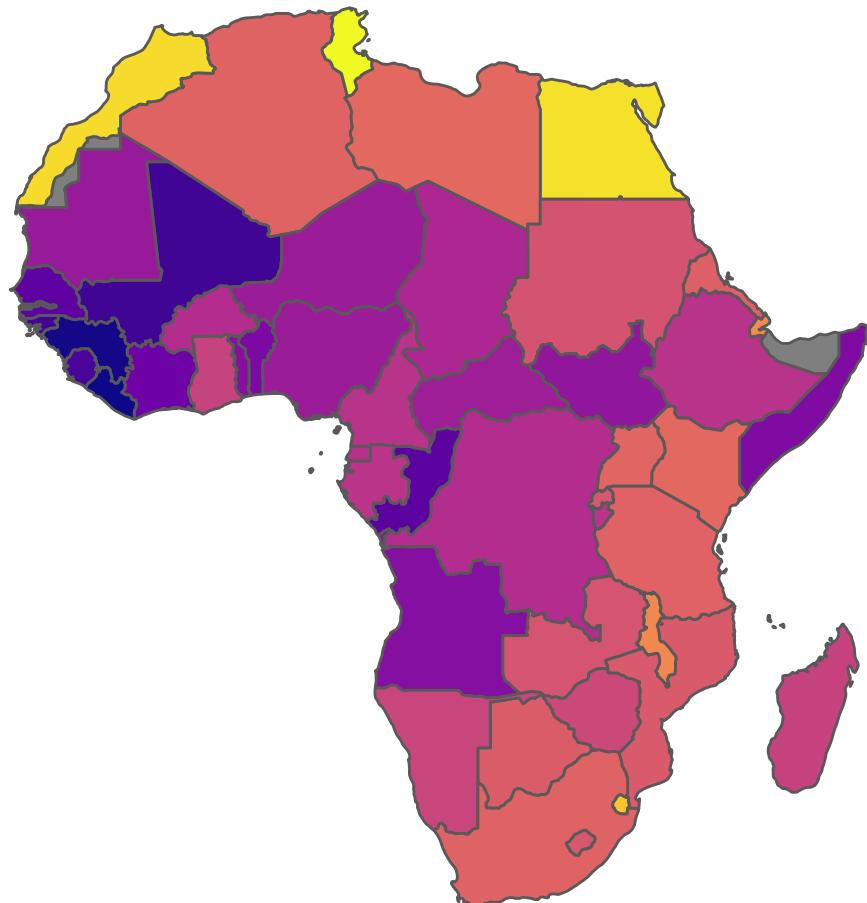
150000

100000

50000

# Deaths averted by vaccination per excess COVID–19 death

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



benefit–risk ratio



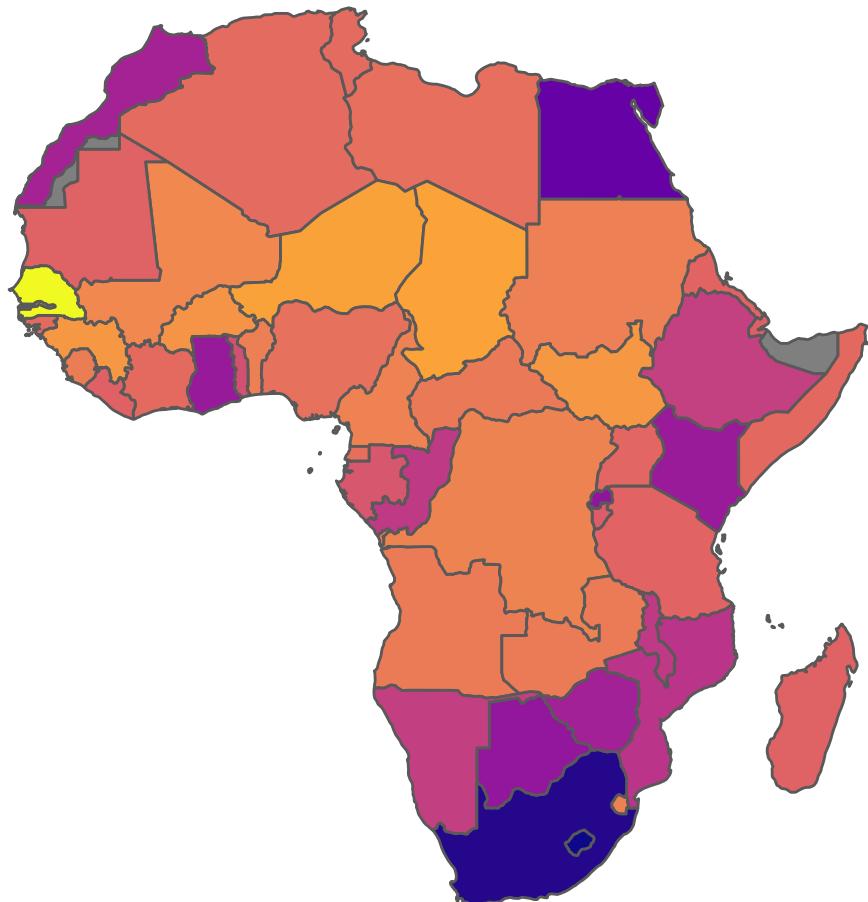
80000

60000

40000

# Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



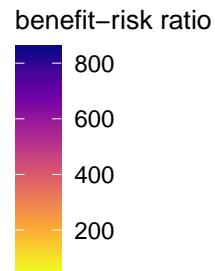
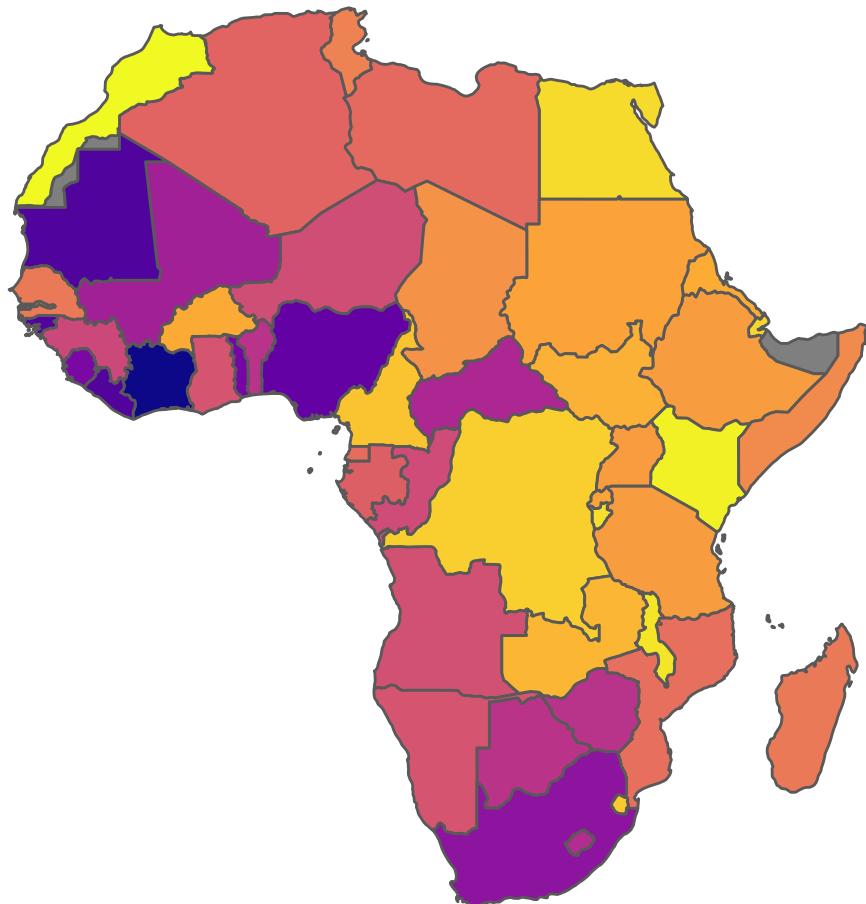
benefit–risk ratio

1500

1000

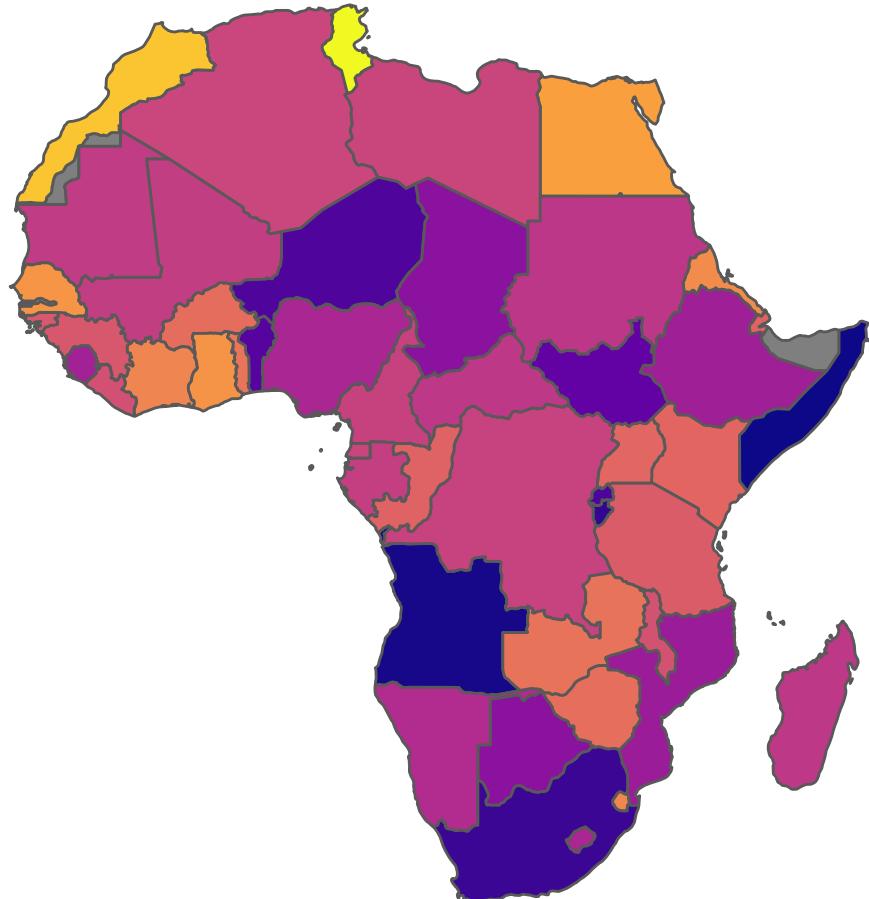
# Deaths averted by vaccination per excess COVID–19 death

HepB3



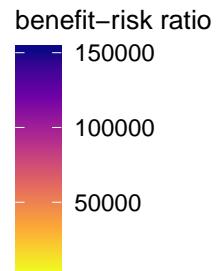
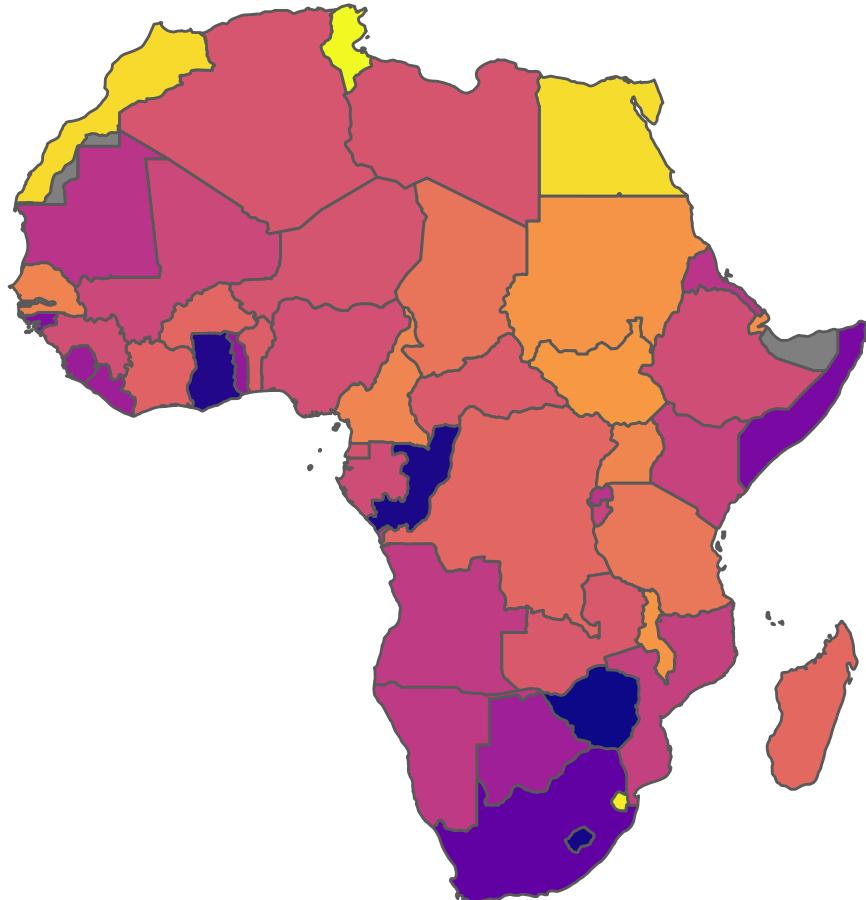
# Deaths averted by vaccination per excess COVID–19 death

Hib3



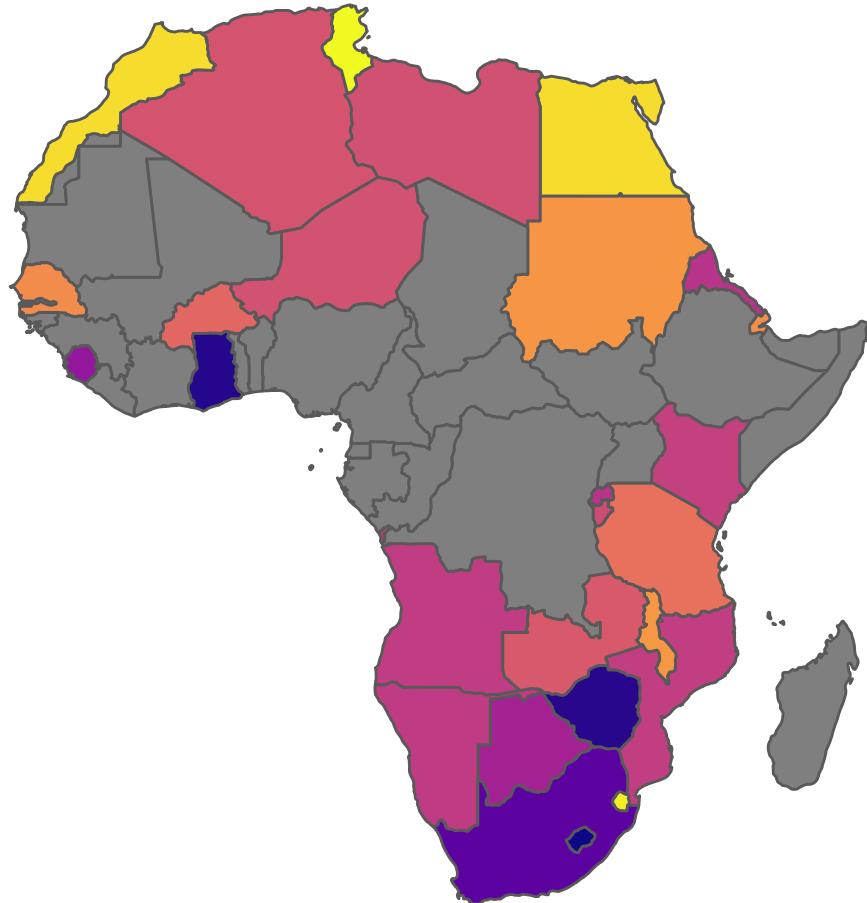
# Deaths averted by vaccination per excess COVID–19 death

MCV1



# Deaths averted by vaccination per excess COVID–19 death

MCV2

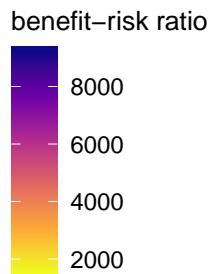
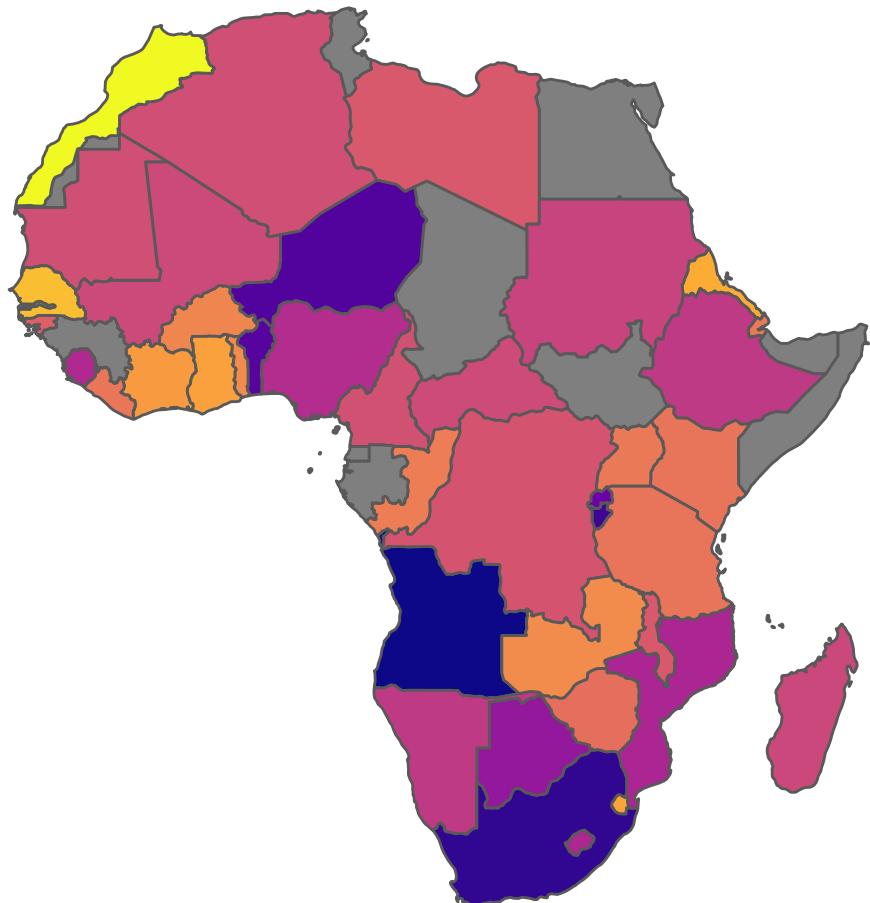


benefit–risk ratio

6000
4000
2000
< 2000

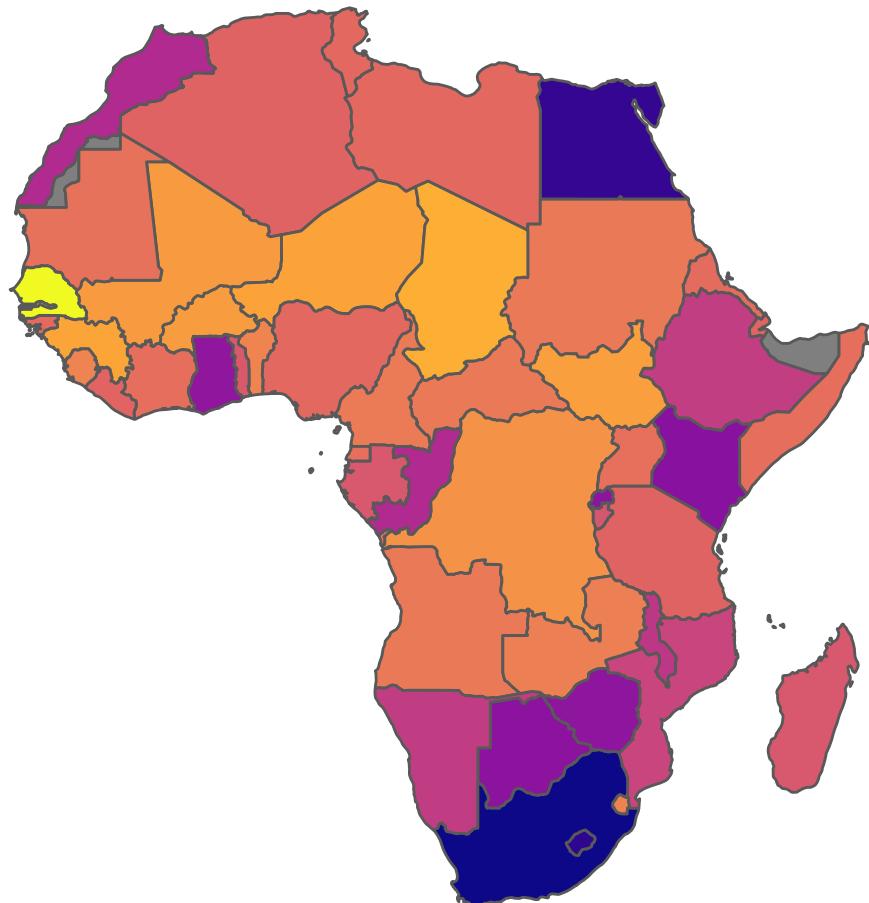
# Deaths averted by vaccination per excess COVID–19 death

PCV3



# Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



benefit–risk ratio

40000

30000

20000

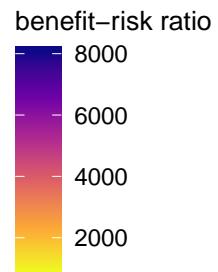
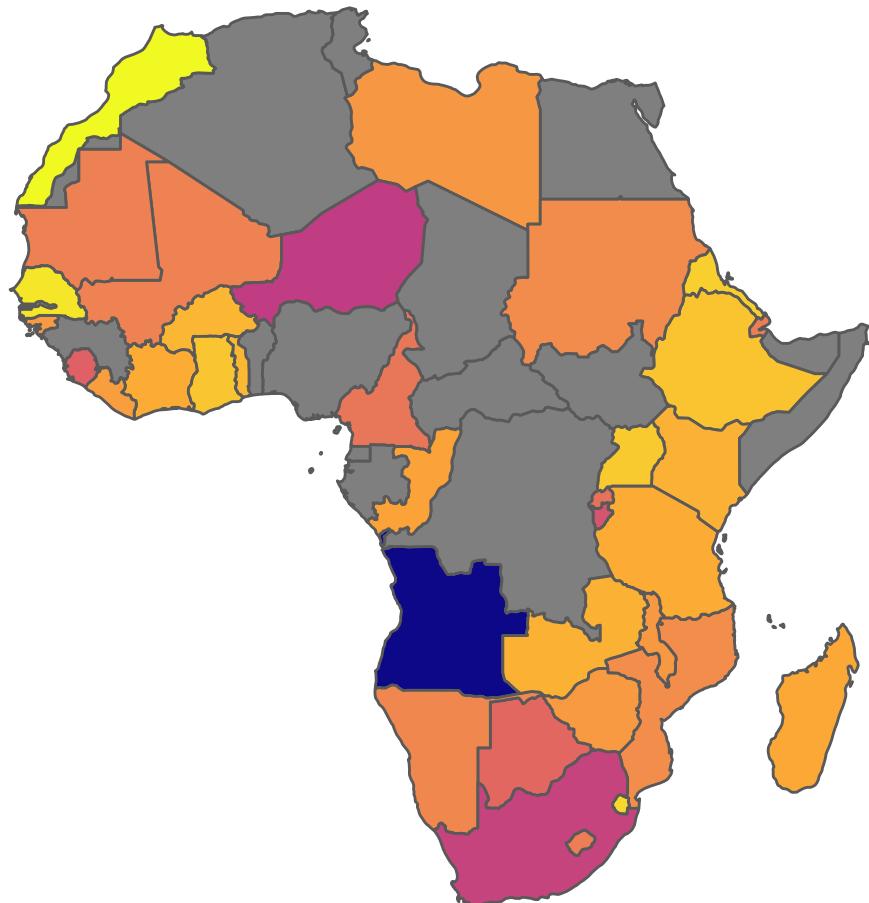
# Deaths averted by vaccination per excess COVID-19 death

RCV1



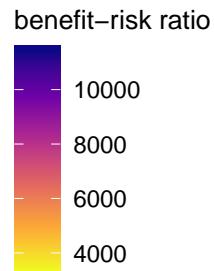
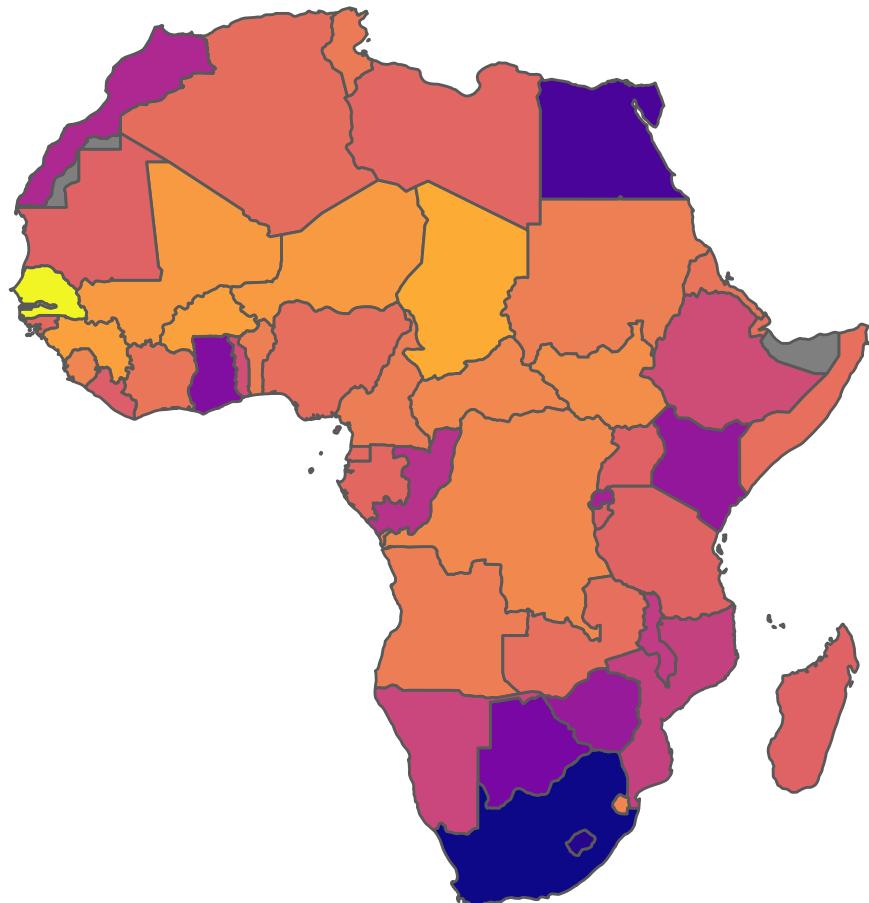
# Deaths averted by vaccination per excess COVID–19 death

RotaC



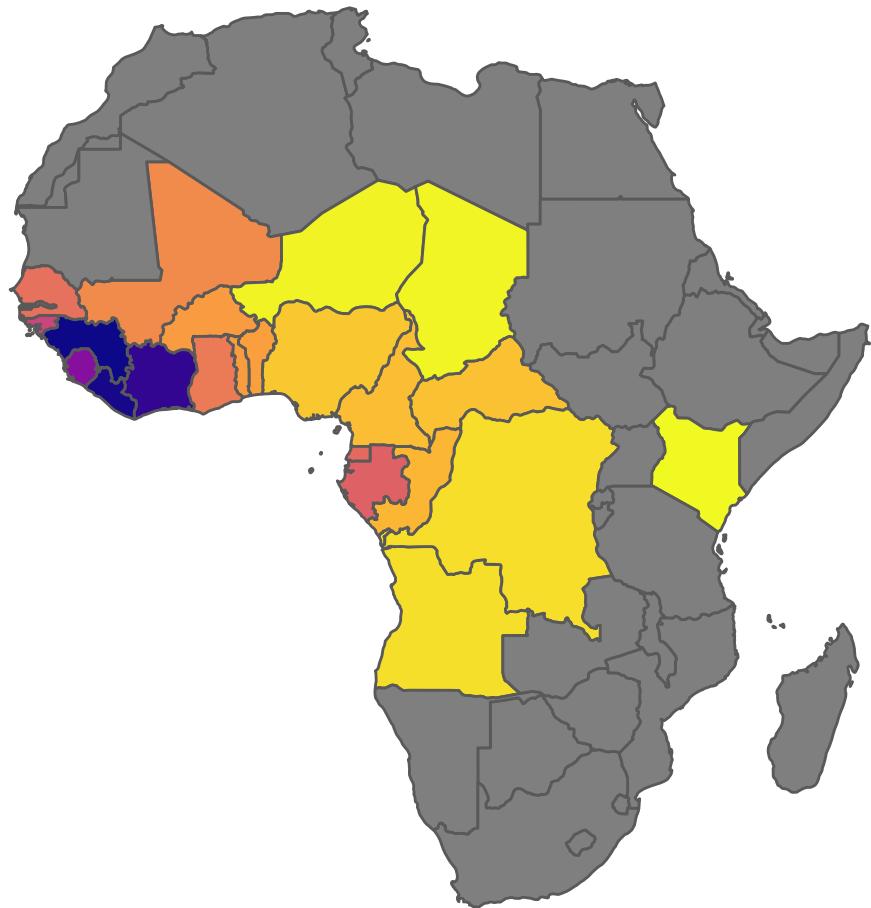
# Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



# Deaths averted by vaccination per excess COVID–19 death

YFV



benefit–risk ratio

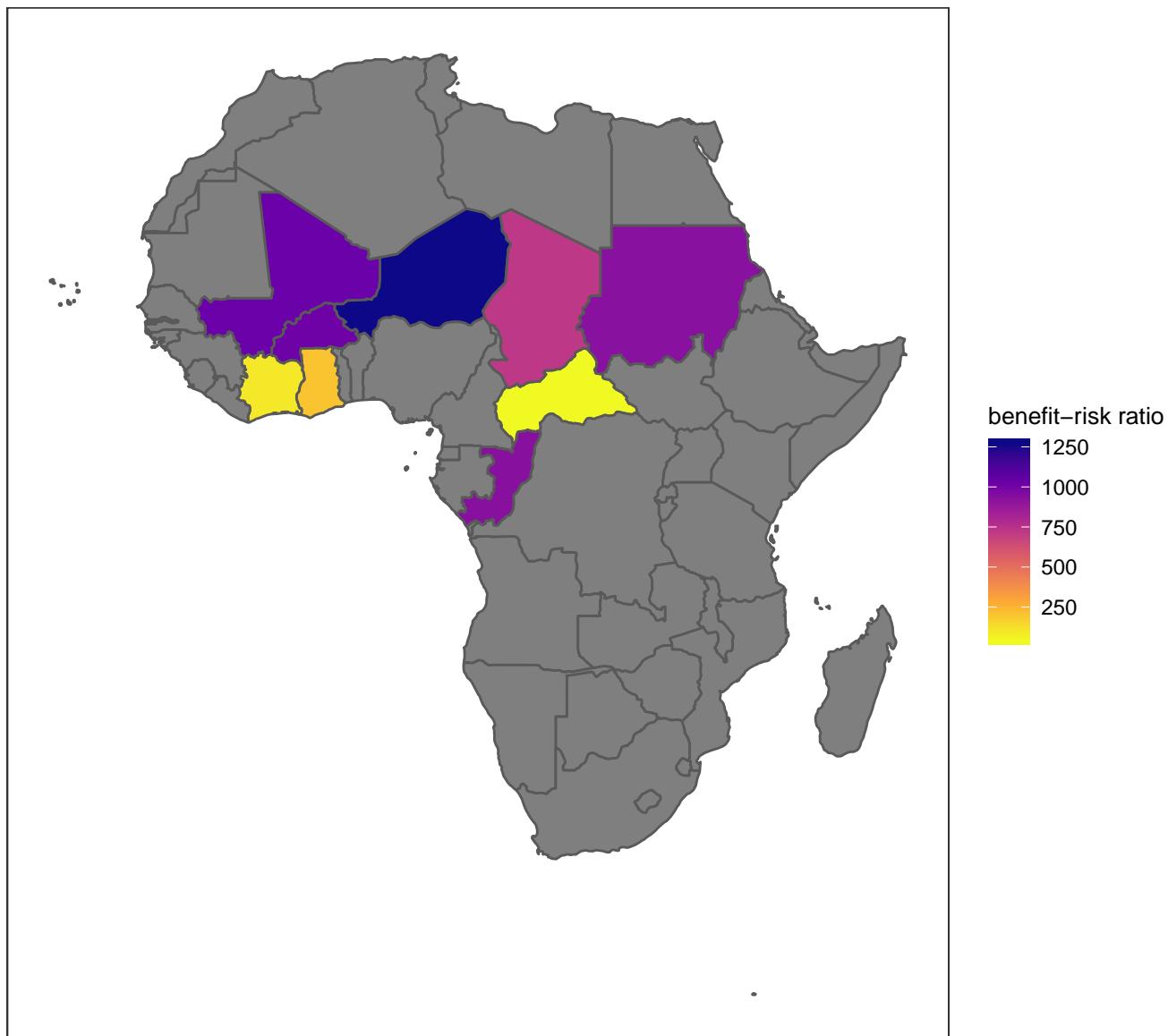
60000

40000

20000

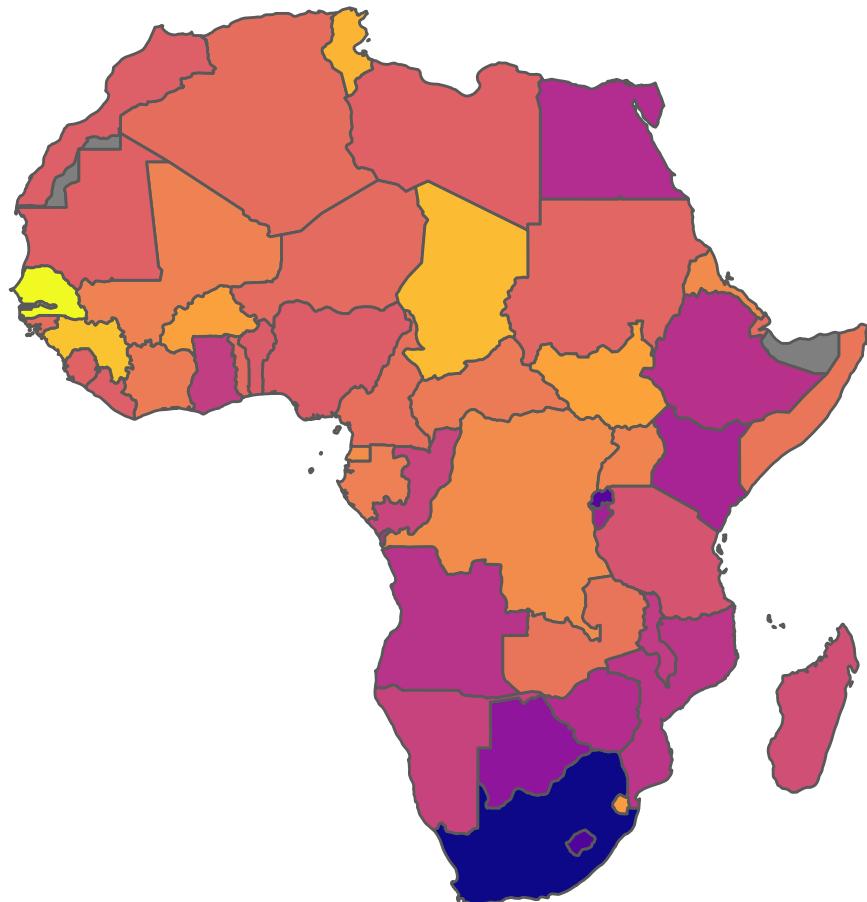
# Deaths averted by vaccination per excess COVID–19 death

MenA



# Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC

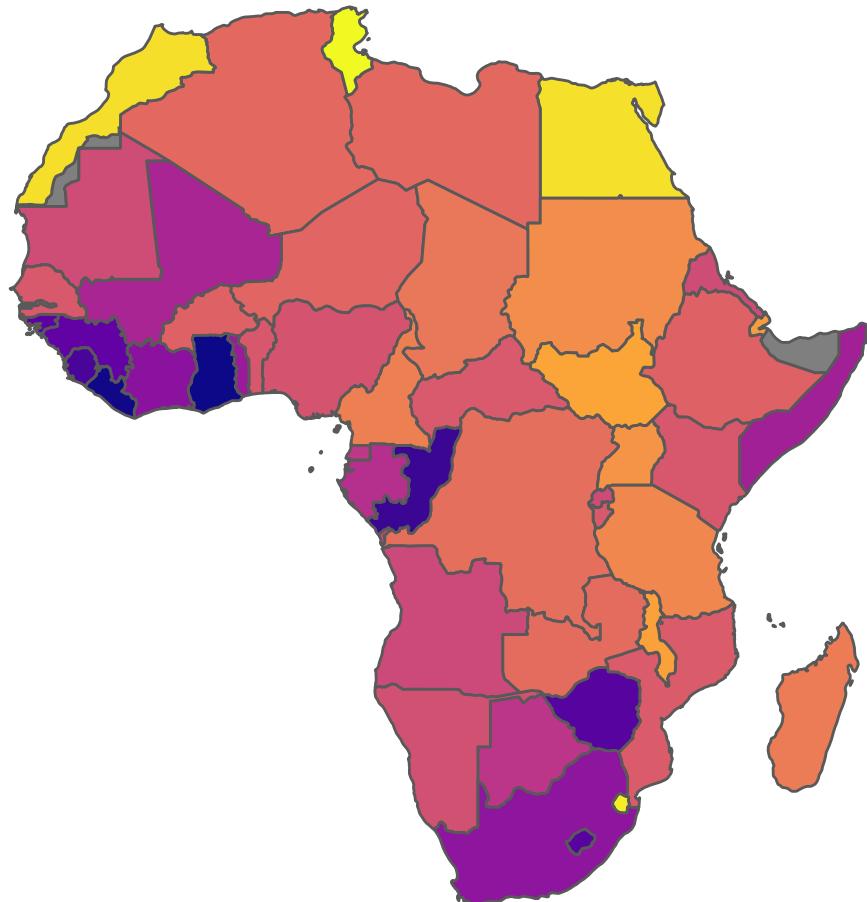


benefit–risk ratio

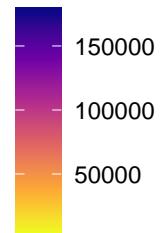
80000
70000
60000
50000
40000
30000

# Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV

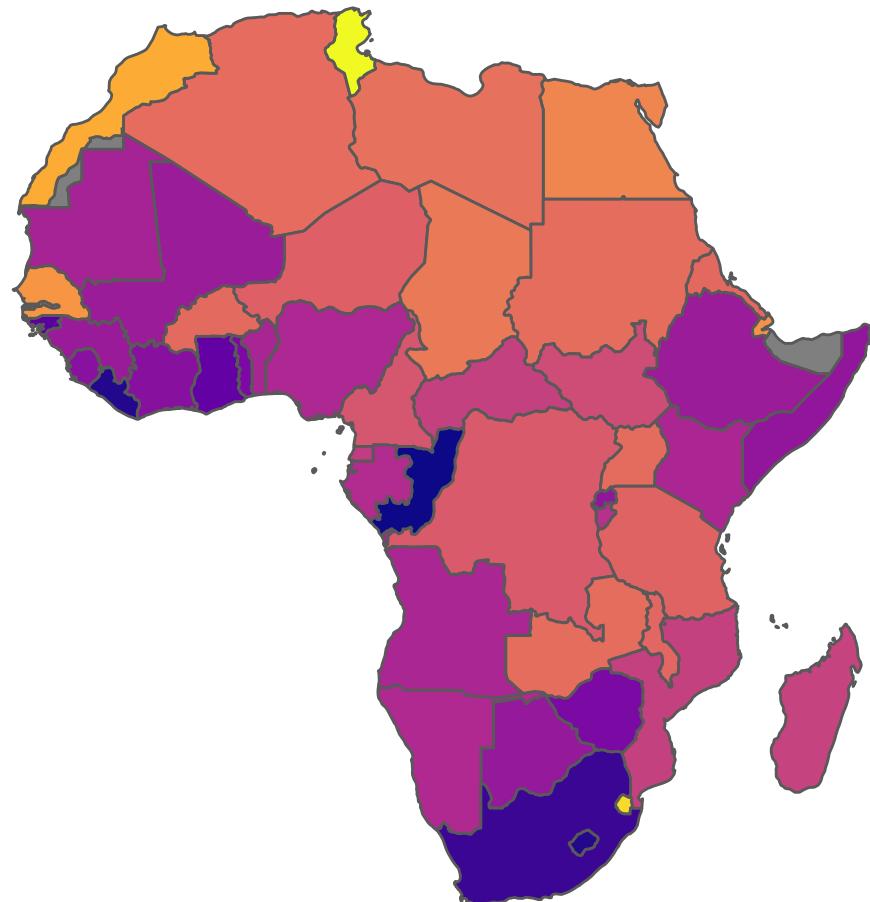


benefit–risk ratio



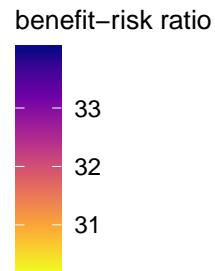
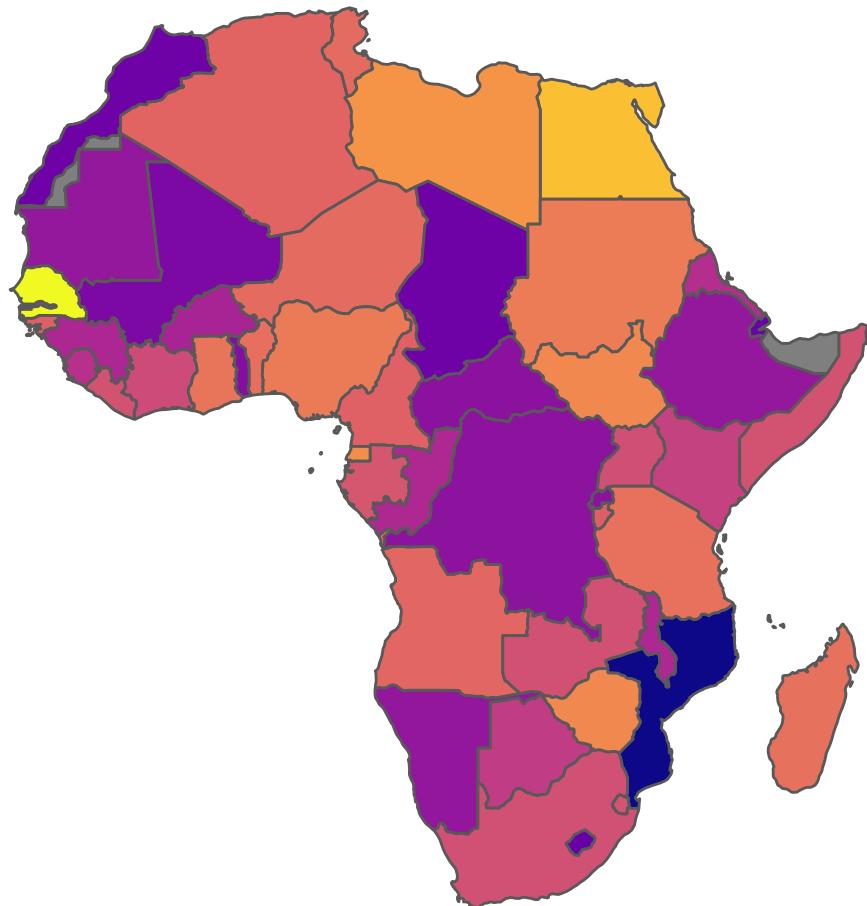
# Deaths averted by vaccination per excess COVID–19 death

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



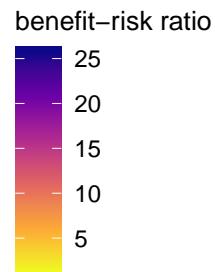
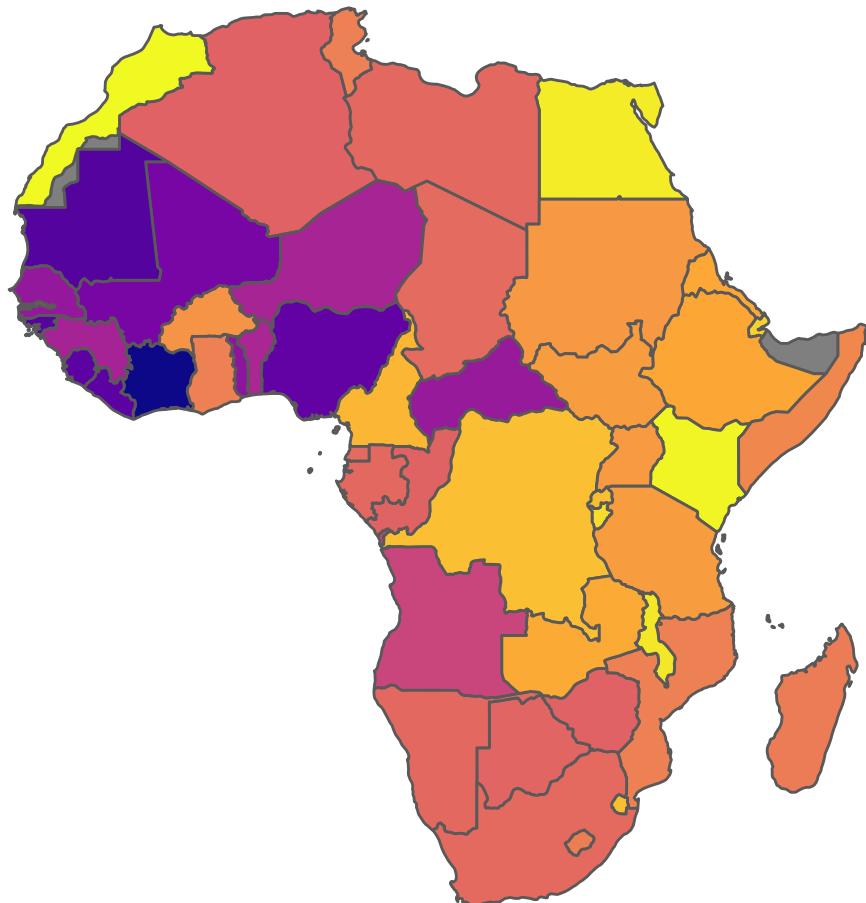
# Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



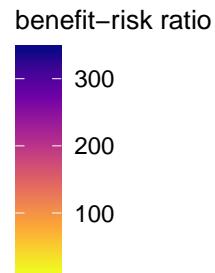
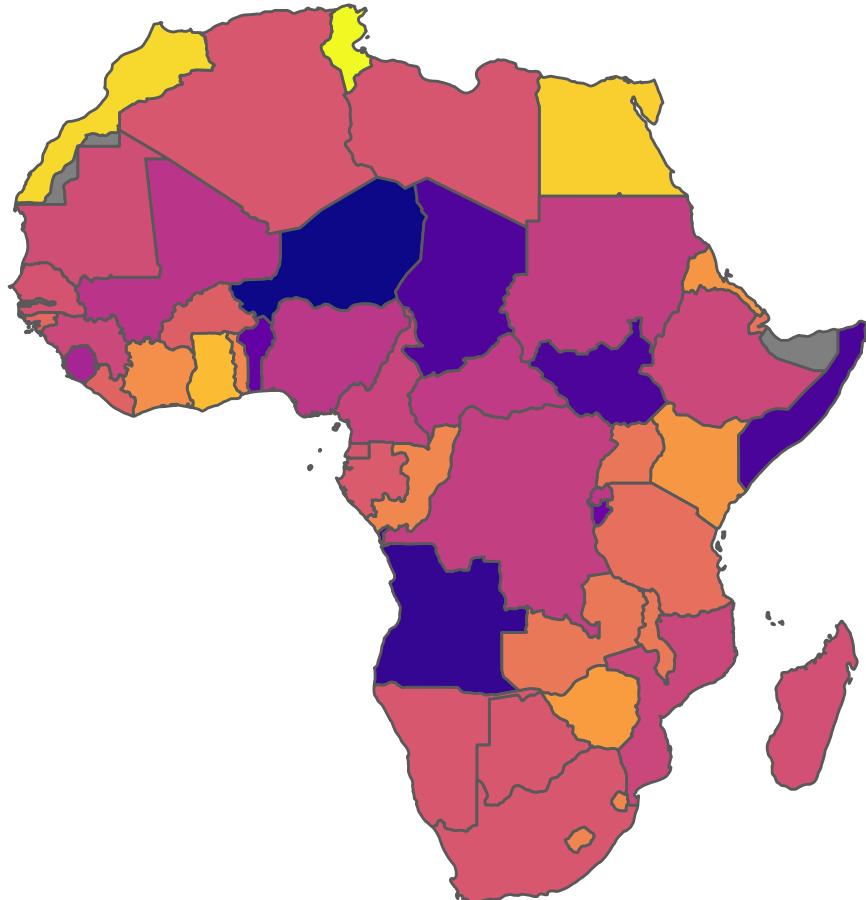
# Deaths averted by vaccination per excess COVID–19 death

HepB3



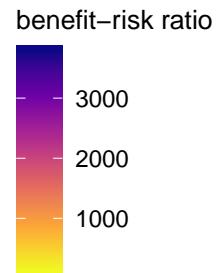
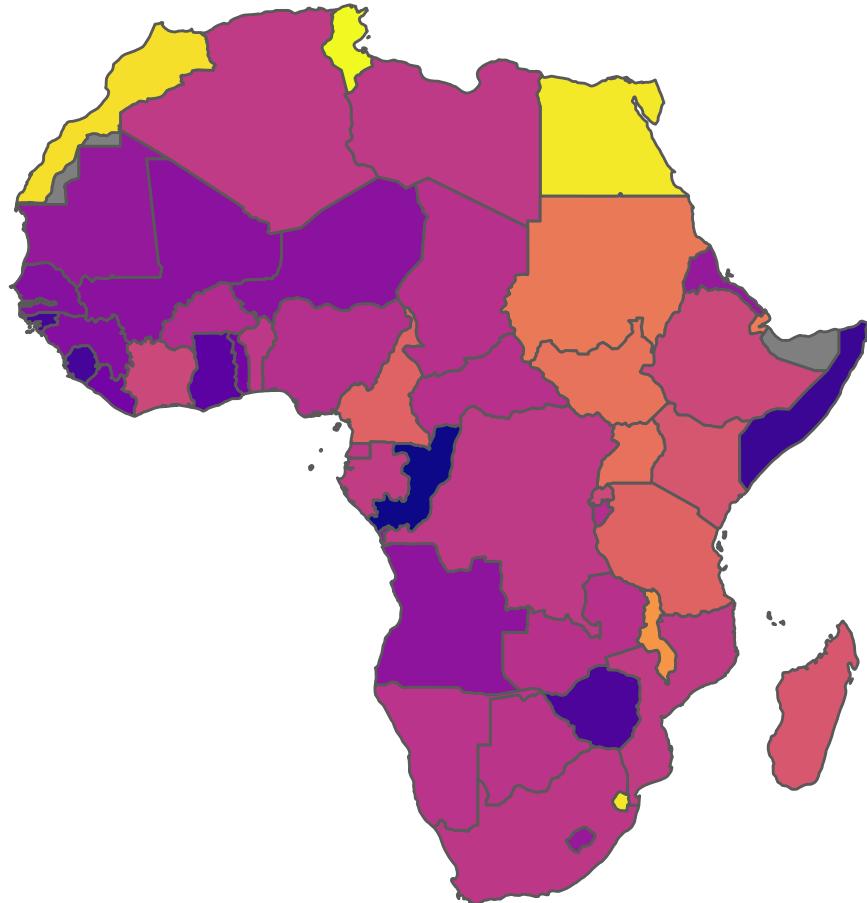
# Deaths averted by vaccination per excess COVID–19 death

Hib3



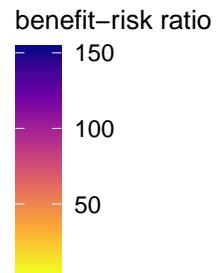
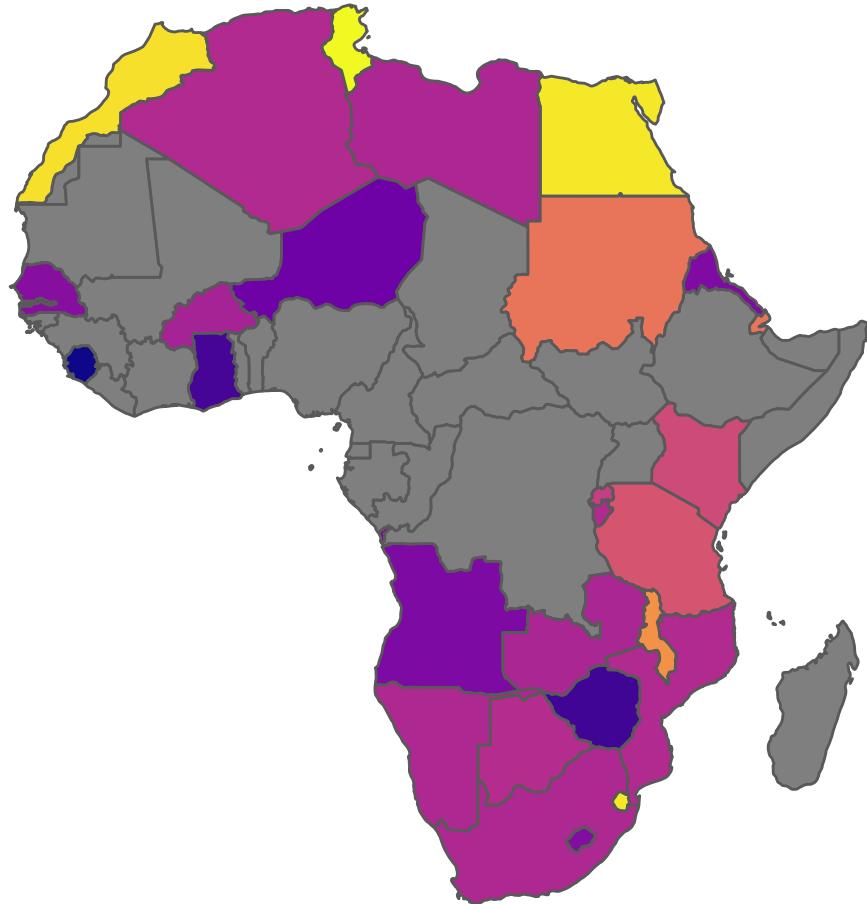
# Deaths averted by vaccination per excess COVID–19 death

MCV1



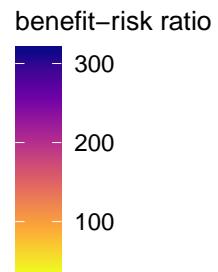
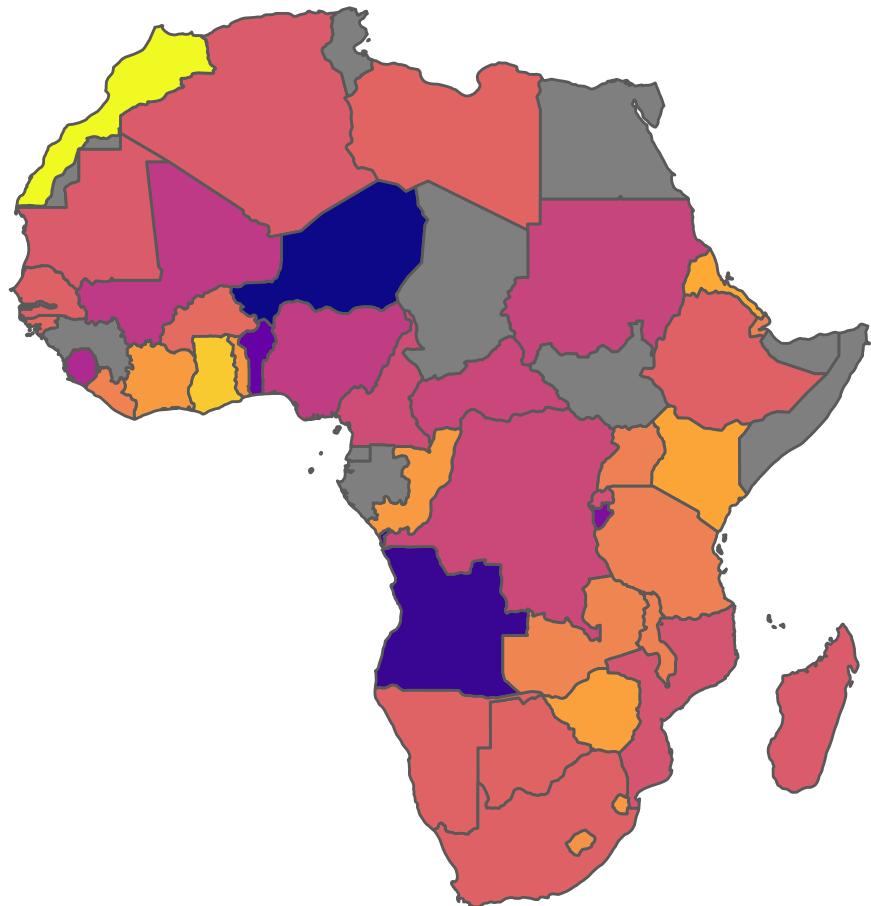
# Deaths averted by vaccination per excess COVID–19 death

MCV2



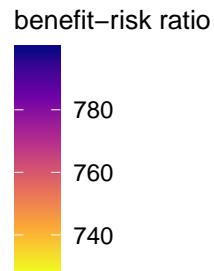
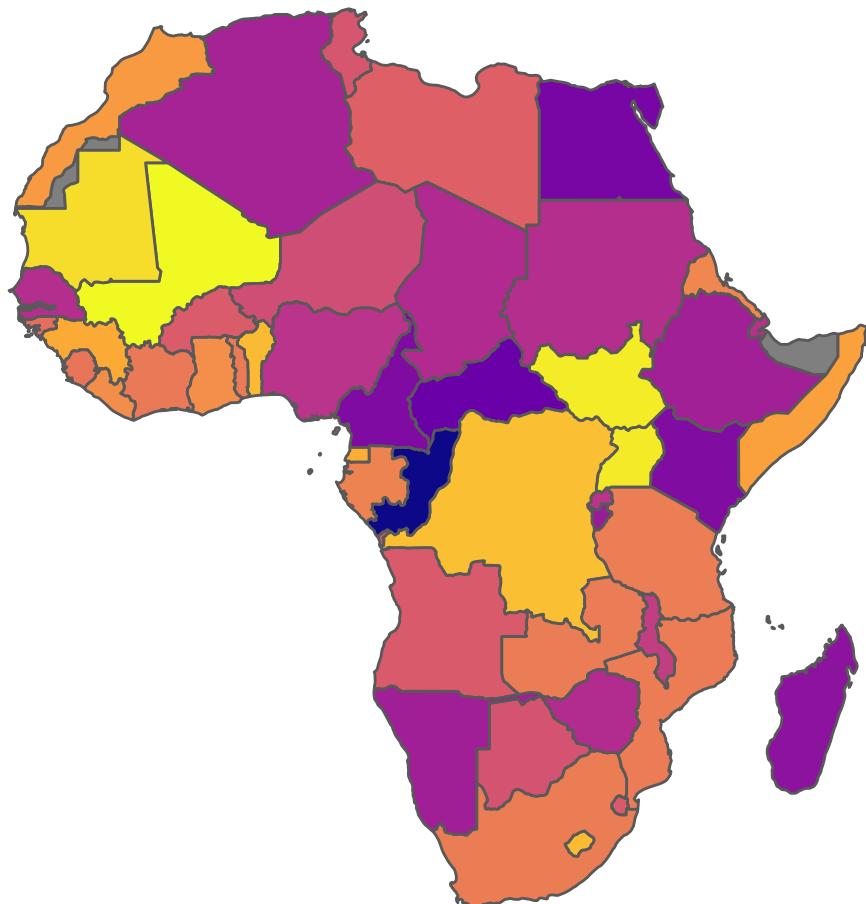
# Deaths averted by vaccination per excess COVID–19 death

PCV3



# Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



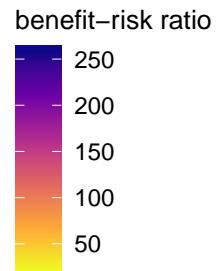
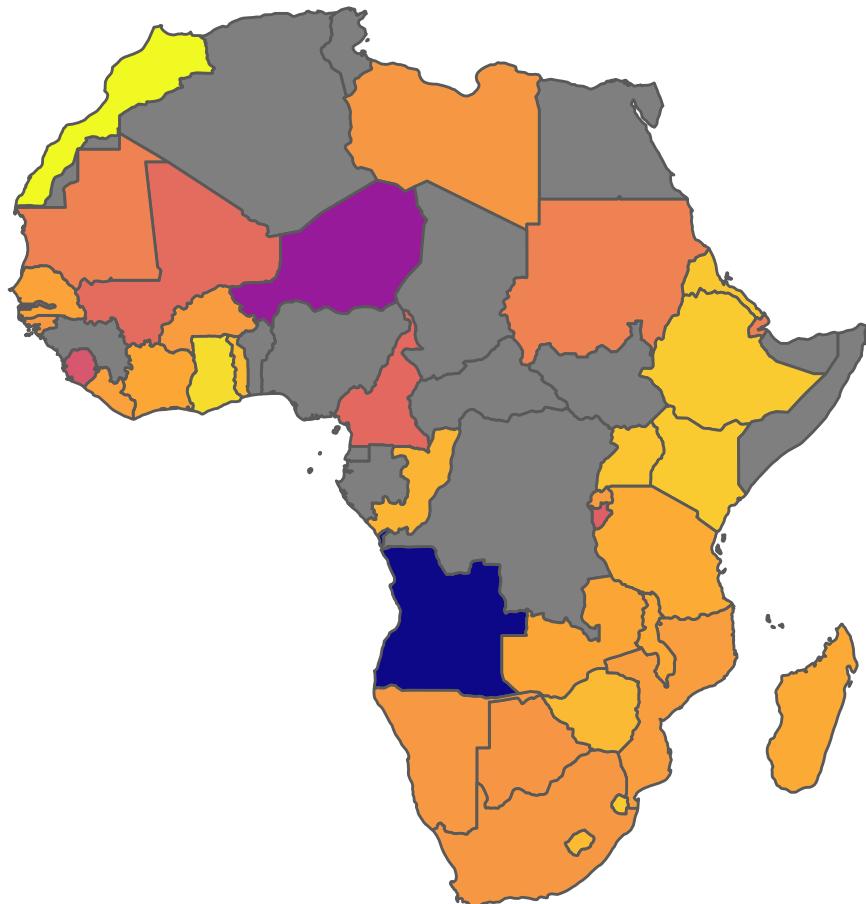
# Deaths averted by vaccination per excess COVID-19 death

RCV1



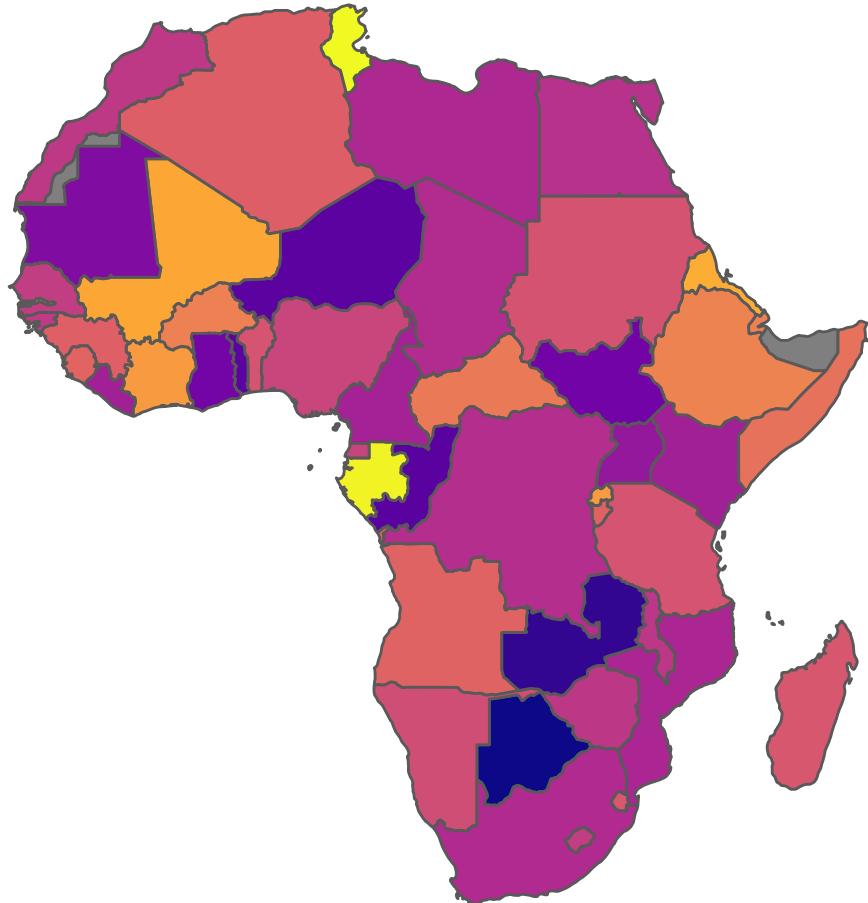
# Deaths averted by vaccination per excess COVID–19 death

RotaC



# Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



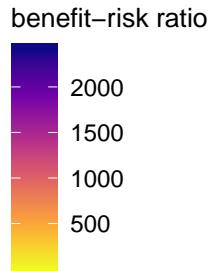
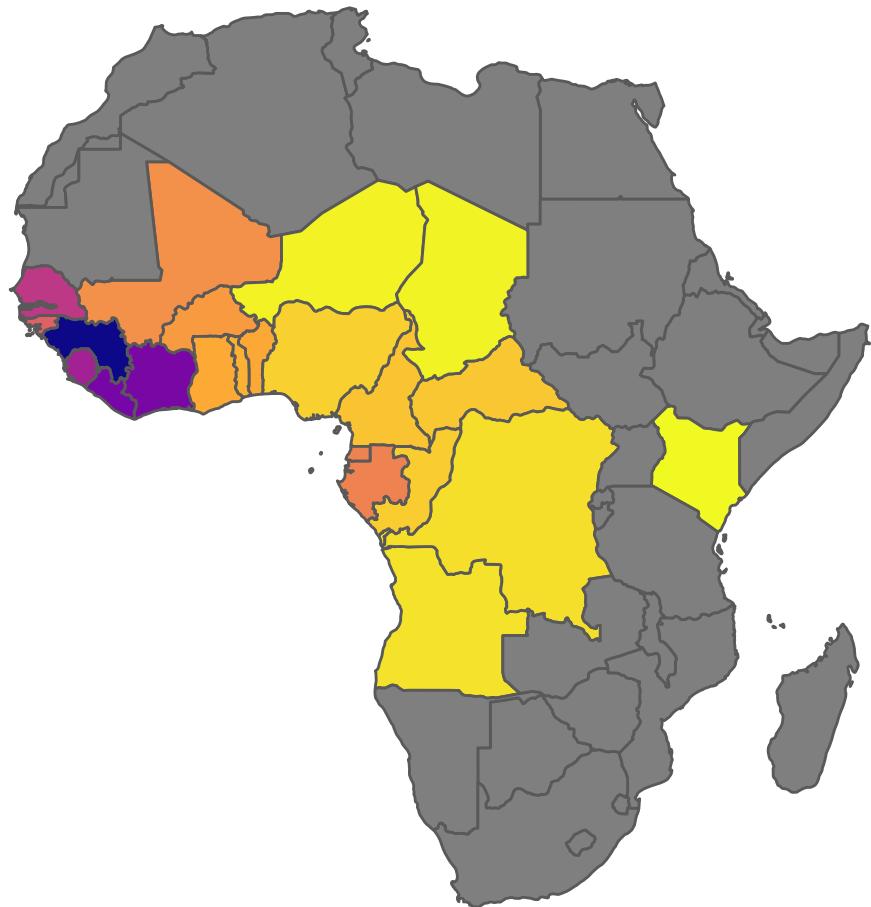
benefit–risk ratio

200

190

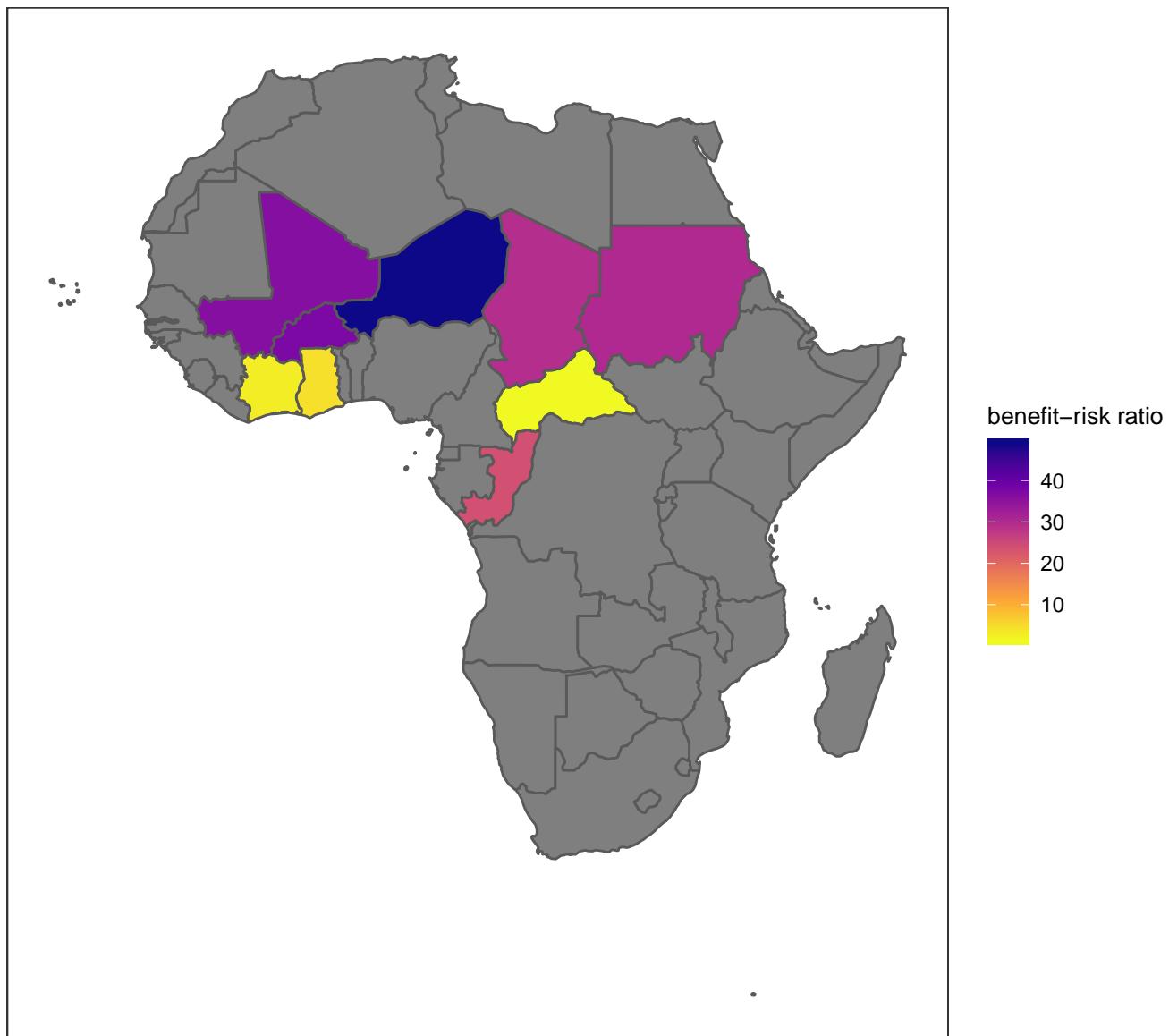
# Deaths averted by vaccination per excess COVID–19 death

YFV



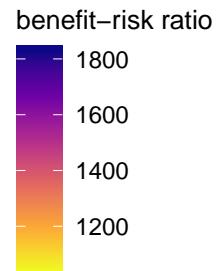
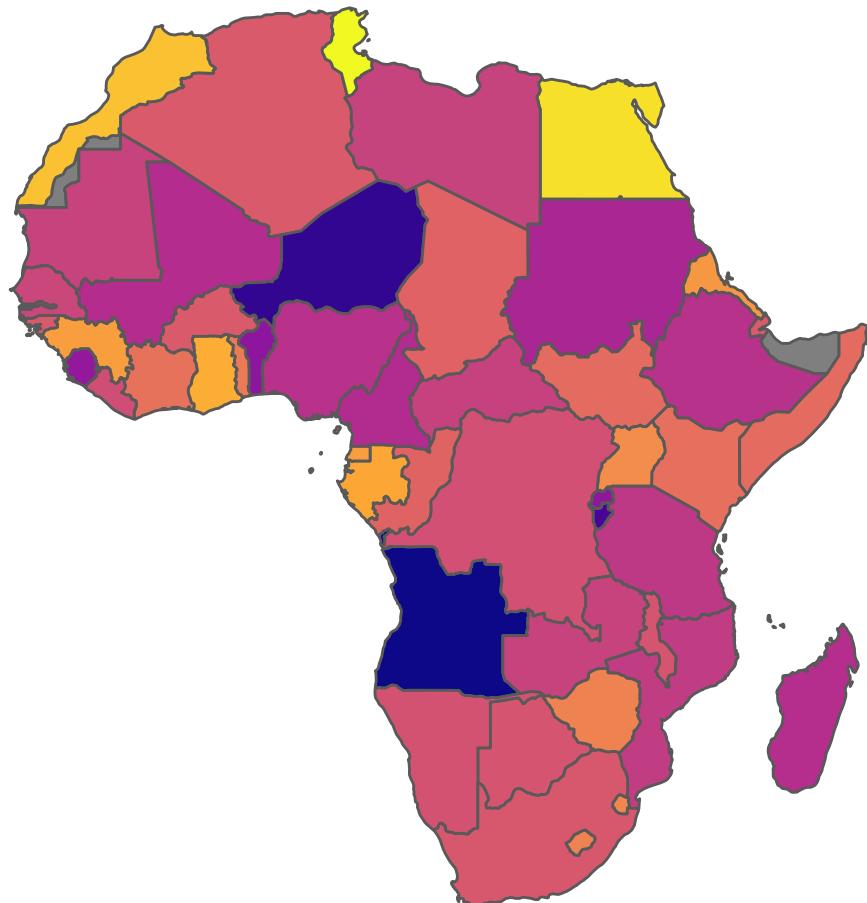
# Deaths averted by vaccination per excess COVID–19 death

MenA



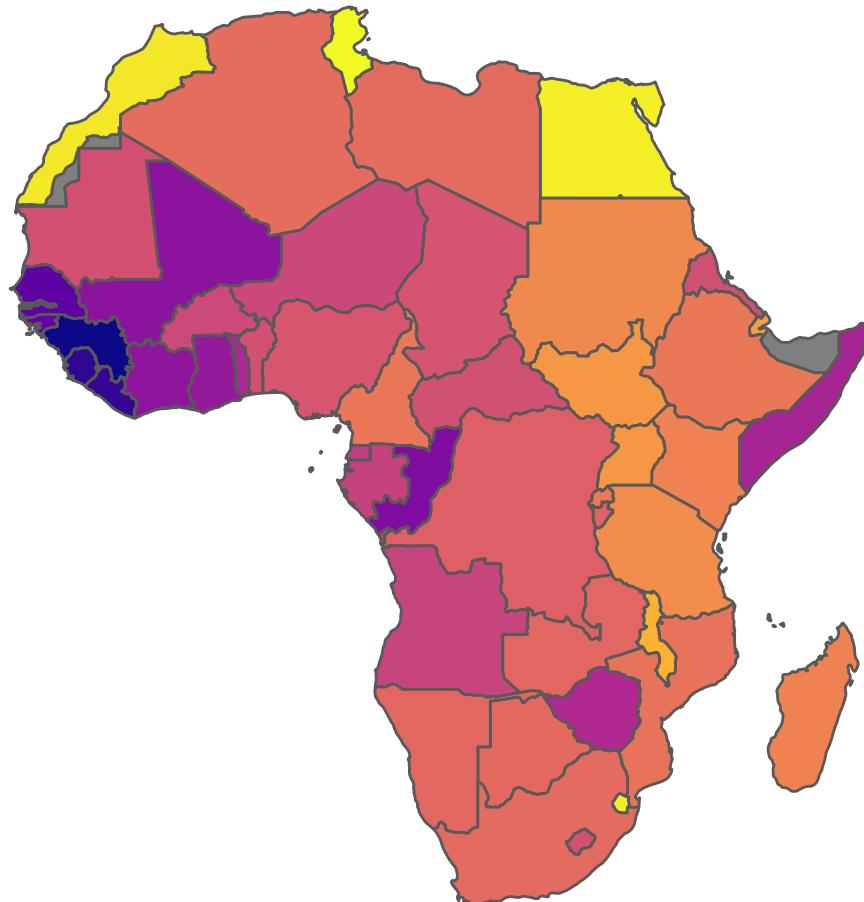
# Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



# Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV

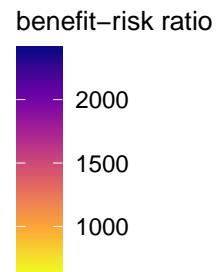
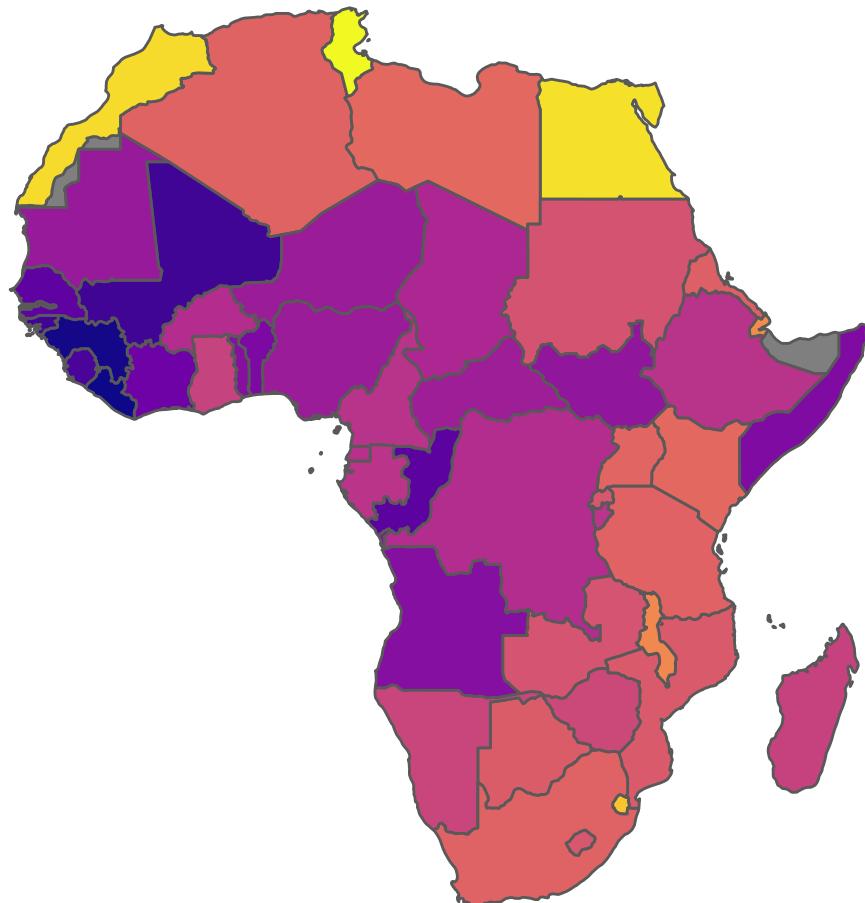


benefit–risk ratio

5000
4000
3000
2000
1000

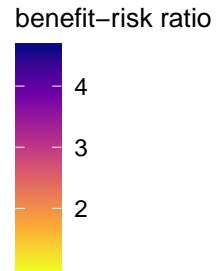
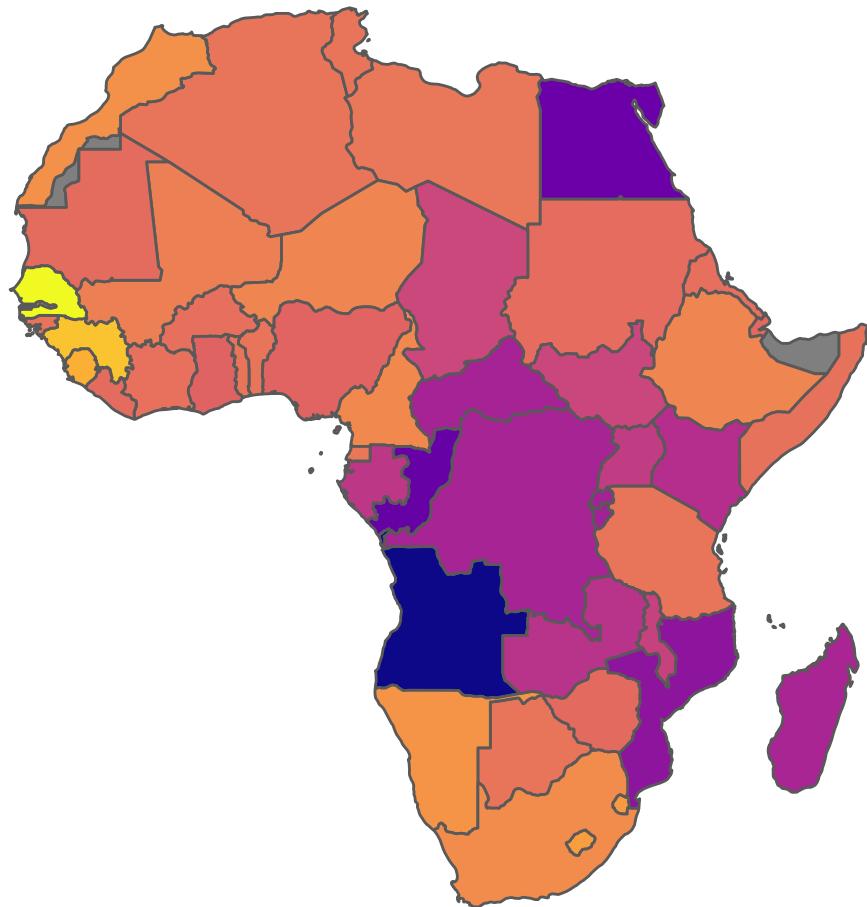
# Deaths averted by vaccination per excess COVID–19 death

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



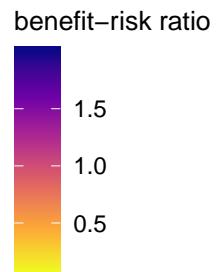
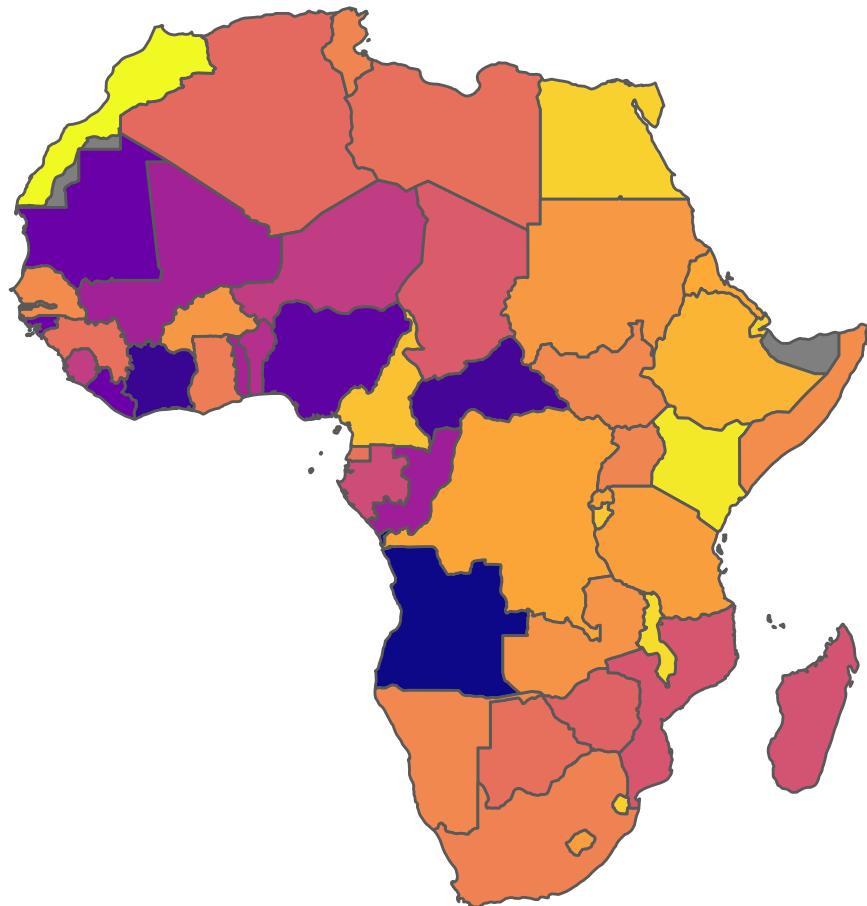
# Deaths averted by vaccination per excess COVID–19 death

Diphtheria (DTP3)



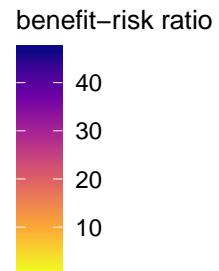
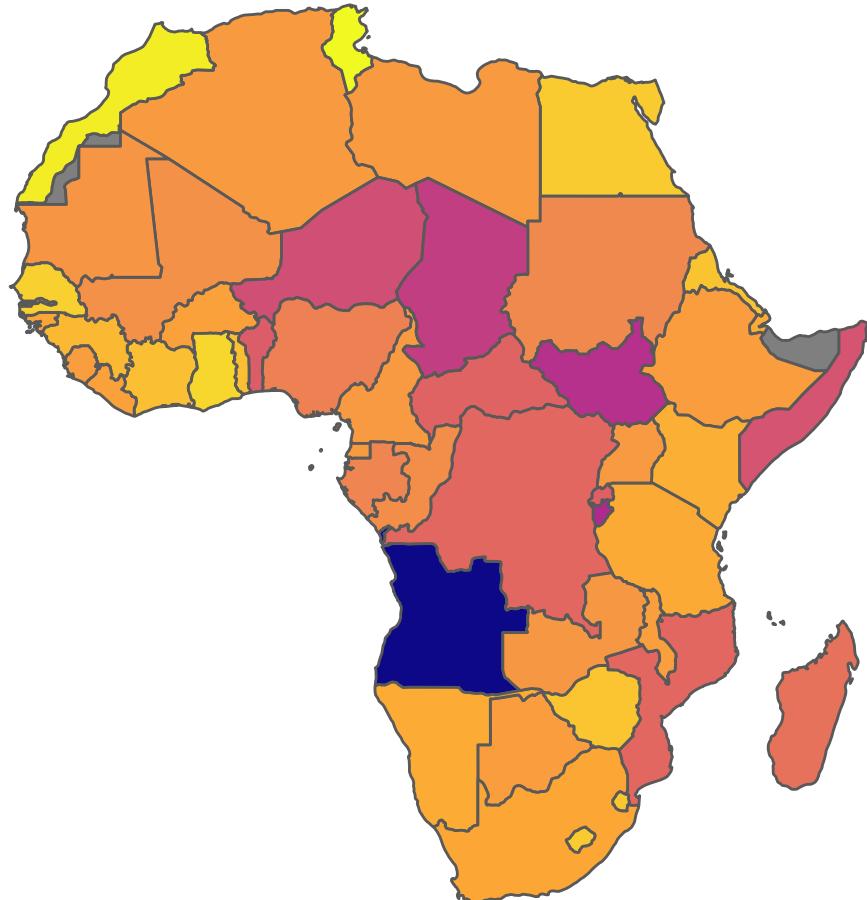
# Deaths averted by vaccination per excess COVID–19 death

HepB3



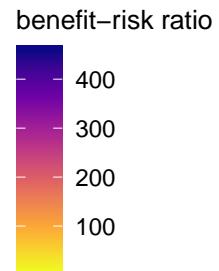
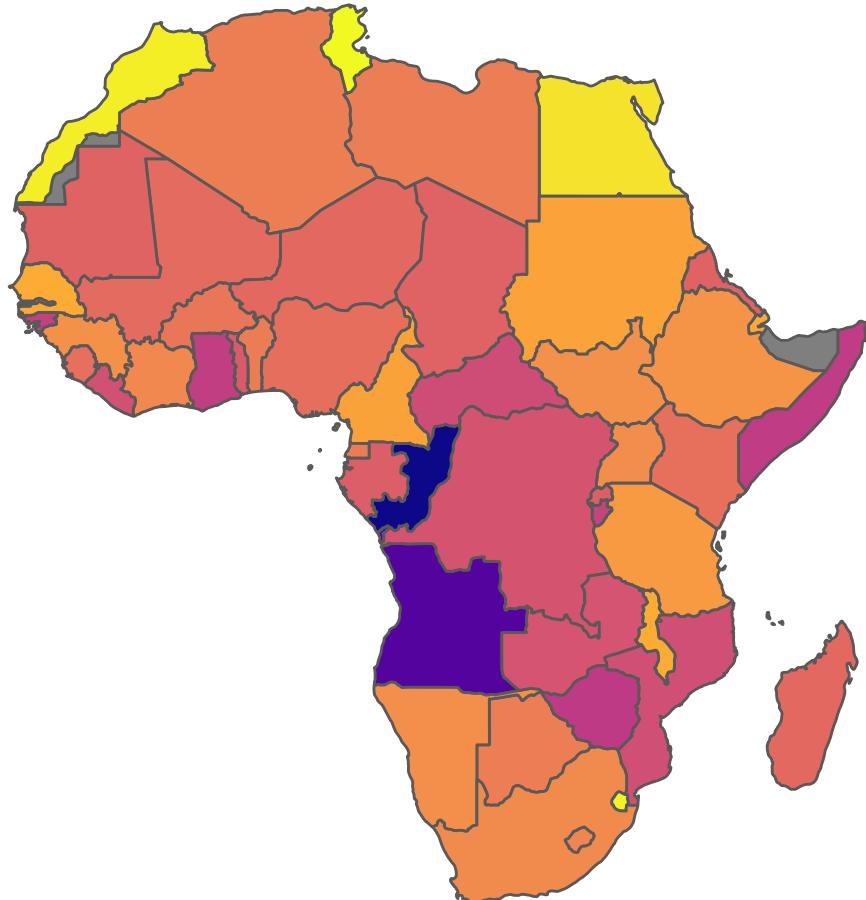
# Deaths averted by vaccination per excess COVID–19 death

Hib3



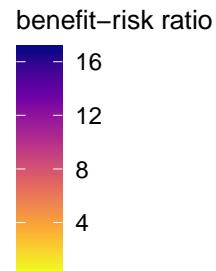
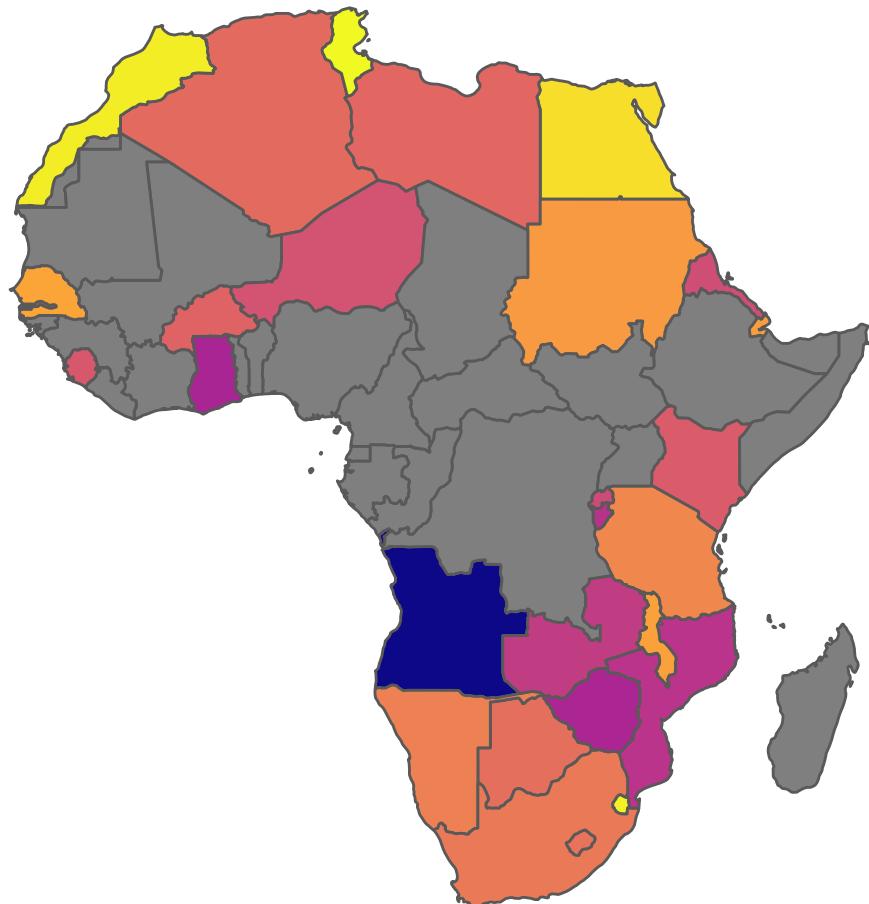
# Deaths averted by vaccination per excess COVID–19 death

MCV1



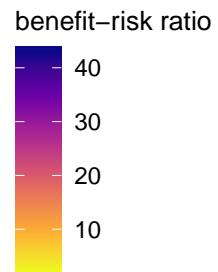
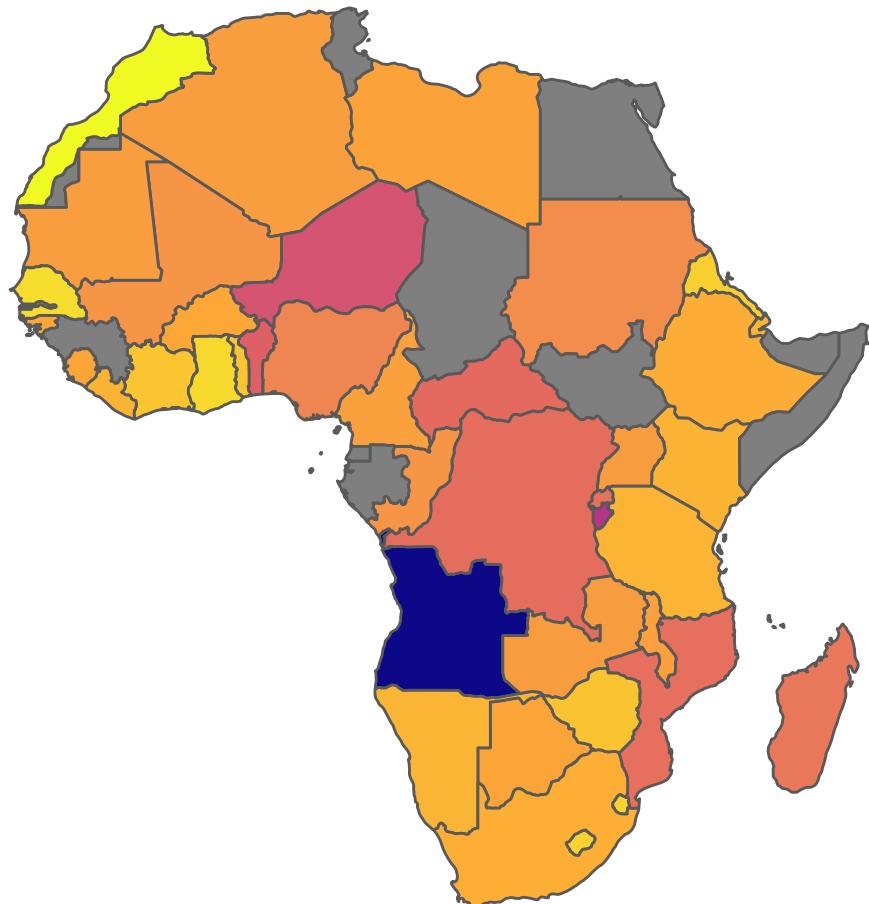
# Deaths averted by vaccination per excess COVID–19 death

MCV2



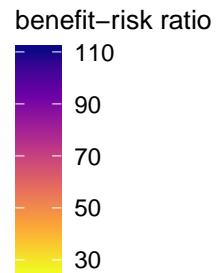
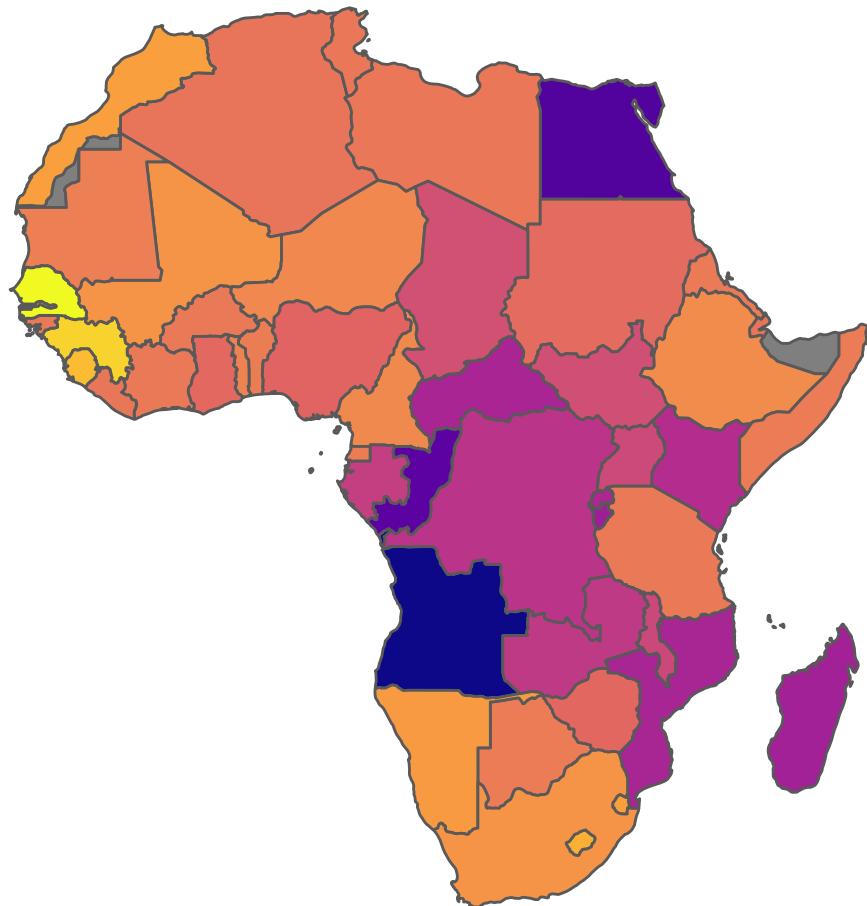
# Deaths averted by vaccination per excess COVID–19 death

PCV3



# Deaths averted by vaccination per excess COVID–19 death

Pertussis (DTP3)



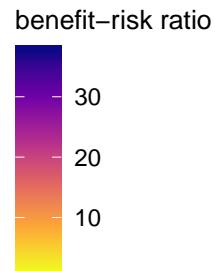
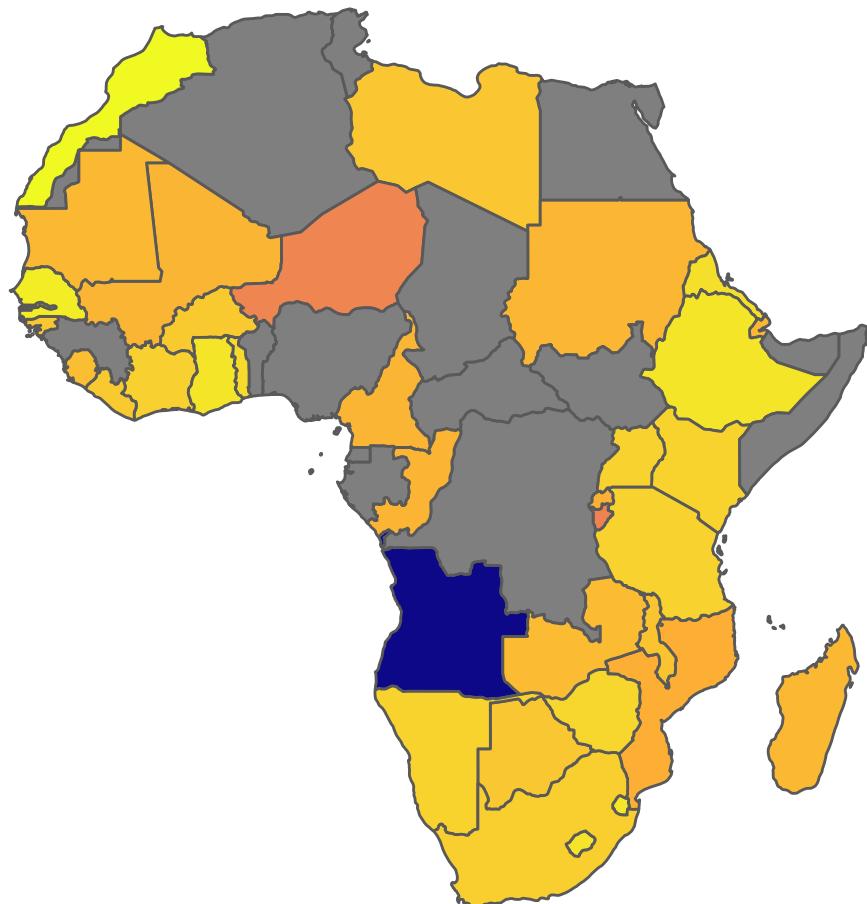
# Deaths averted by vaccination per excess COVID-19 death

RCV1



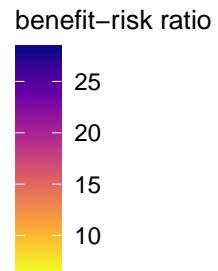
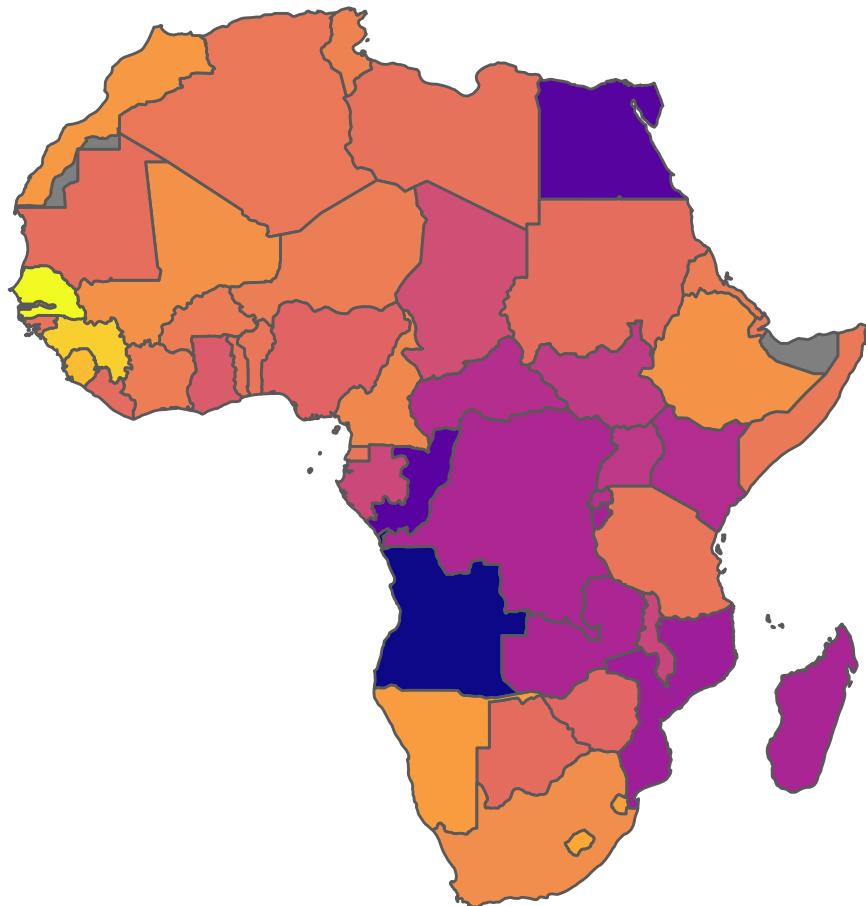
# Deaths averted by vaccination per excess COVID–19 death

RotaC



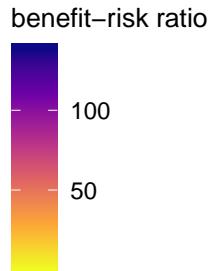
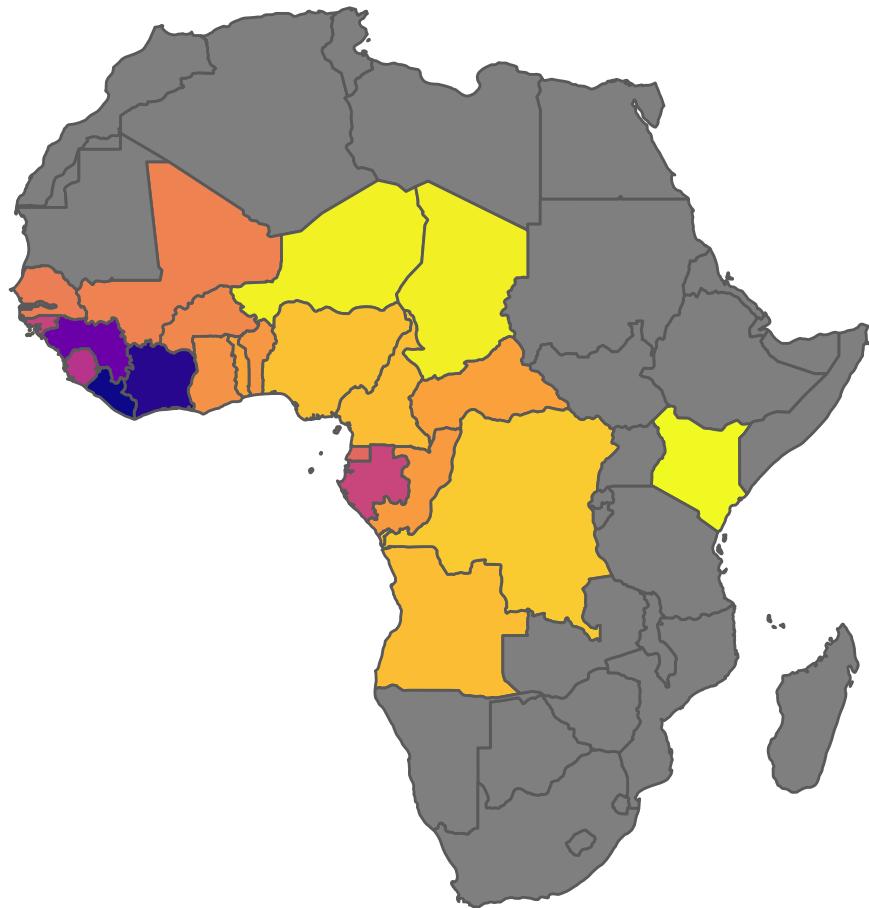
# Deaths averted by vaccination per excess COVID–19 death

Tetanus (DTP3)



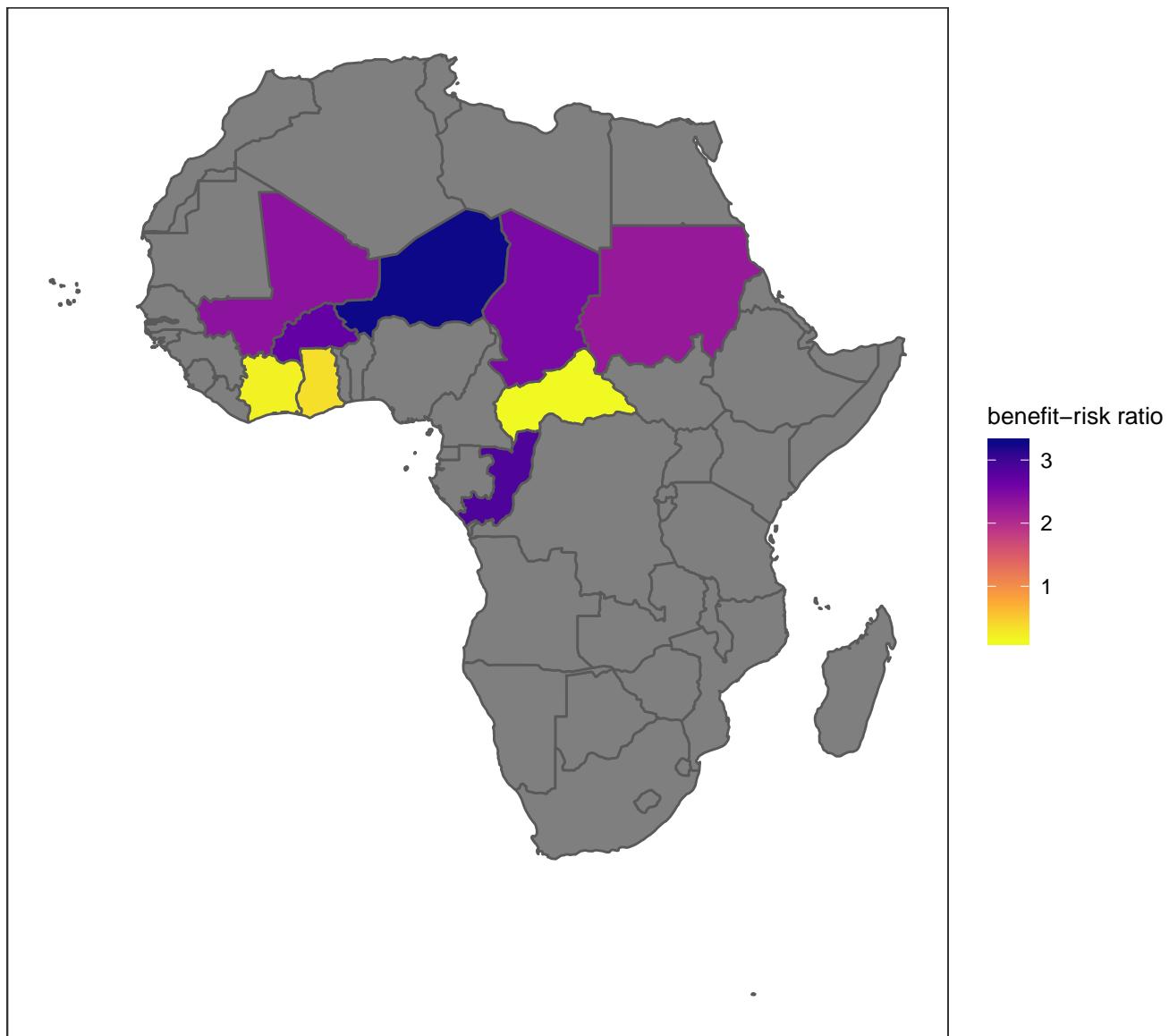
# Deaths averted by vaccination per excess COVID–19 death

YFV



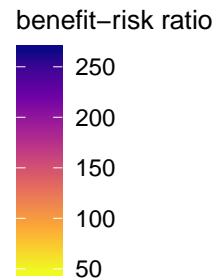
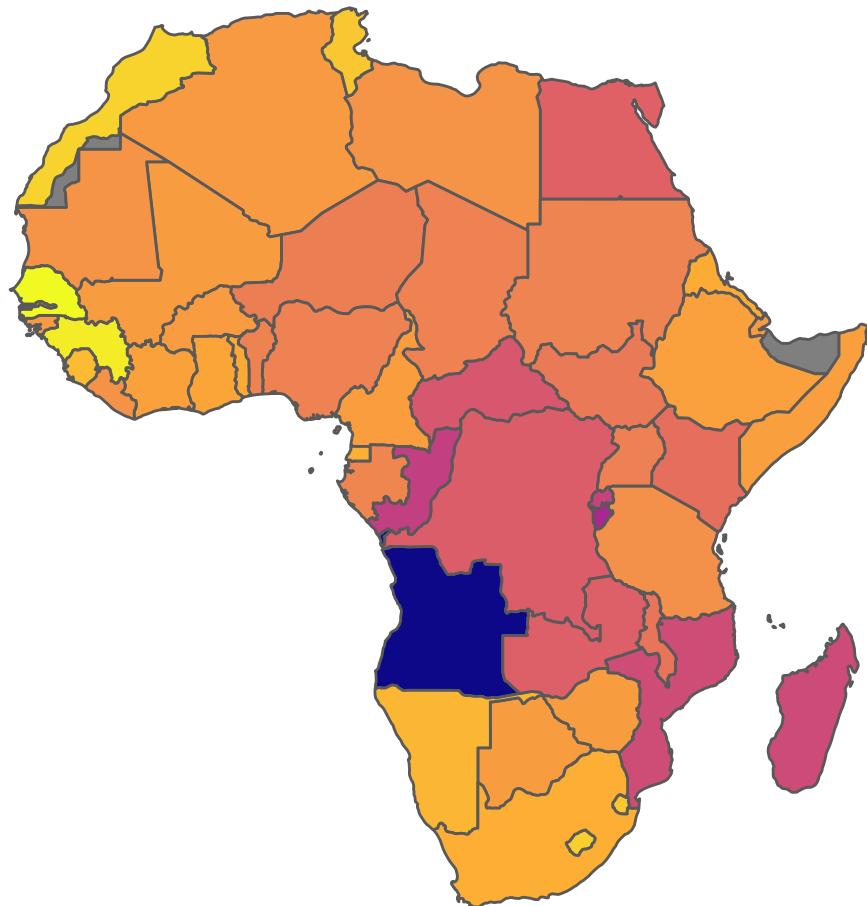
# Deaths averted by vaccination per excess COVID–19 death

MenA



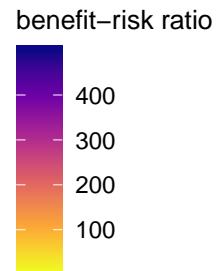
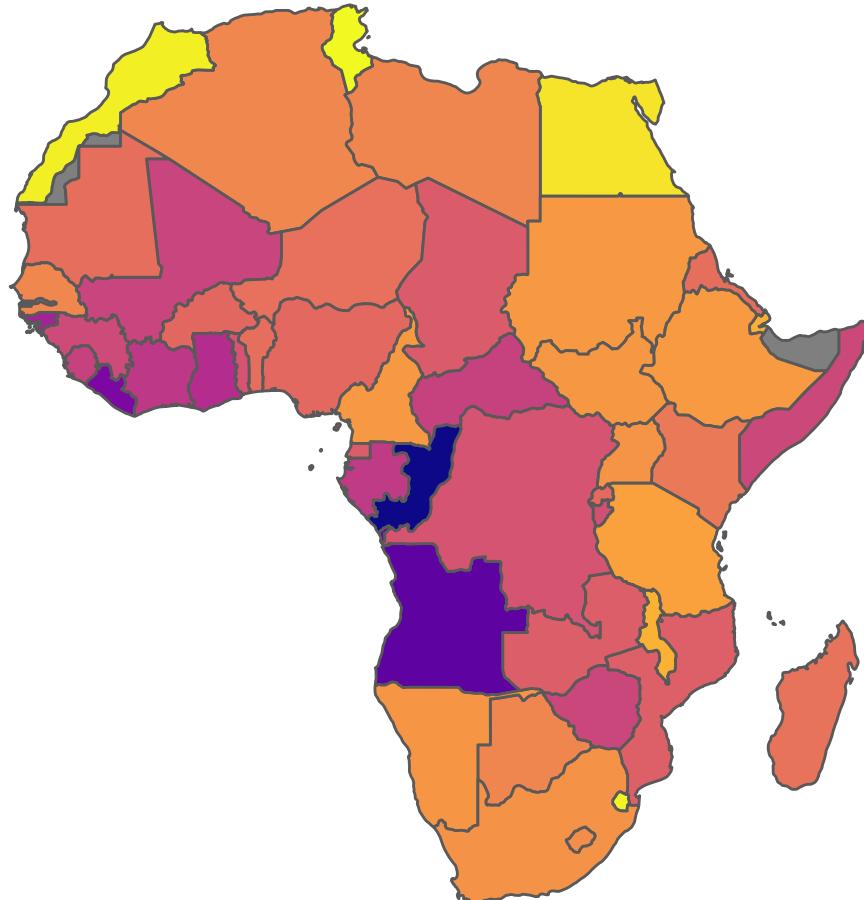
# Deaths averted by vaccination per excess COVID–19 death

DTP3, HepB3, Hib3, PCV3, RotaC



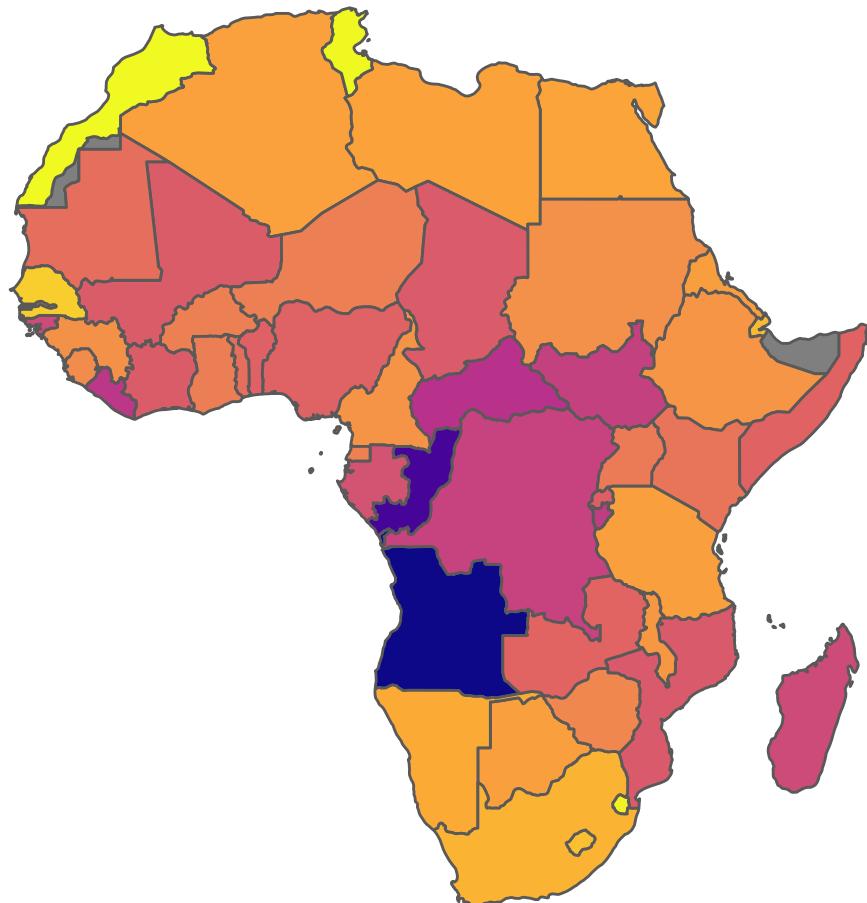
# Deaths averted by vaccination per excess COVID–19 death

MCV1, RCV1, MenA, YFV



# Deaths averted by vaccination per excess COVID–19 death

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



benefit–risk ratio

250
200
150
100
50