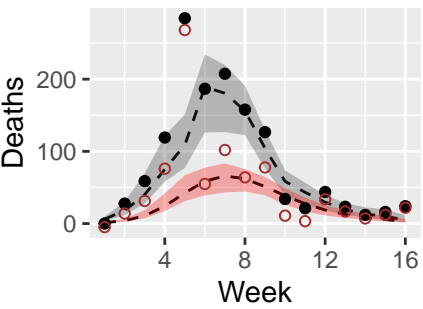
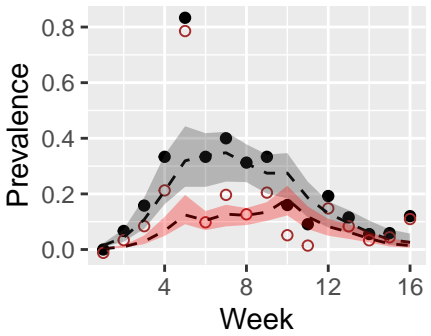


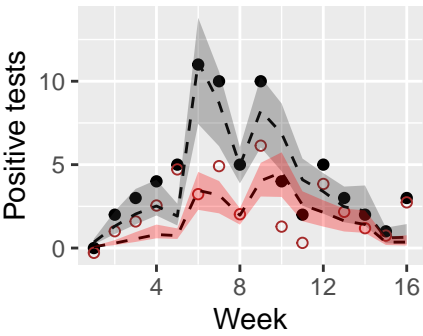
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -32.1



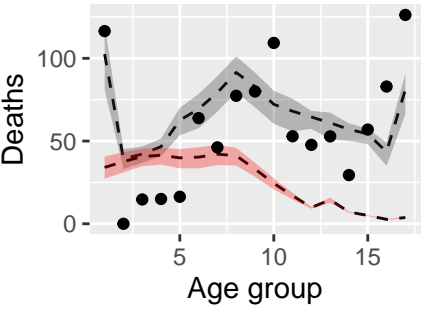
COVID-19 weekly prevalence  
(UTH mortuary)



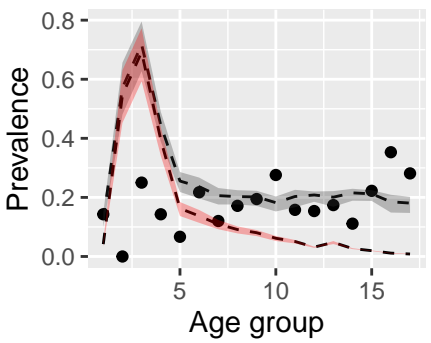
COVID-19 weekly positive tests  
(UTH mortuary)



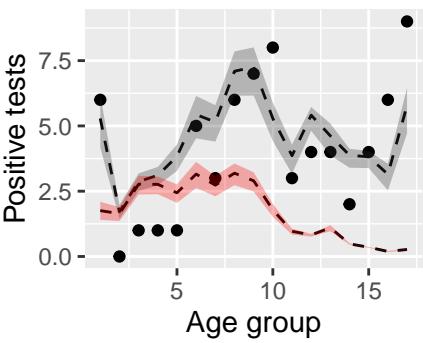
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30.9



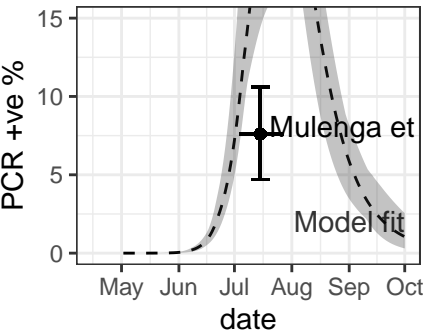
COVID-19 prevalence by age  
(UTH mortuary)



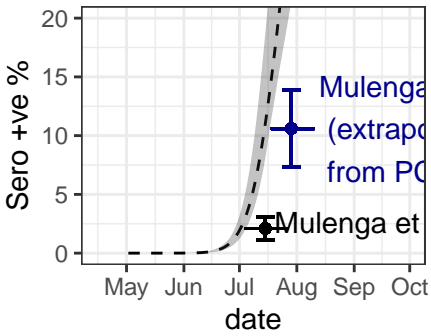
COVID-19 positive tests by age  
(UTH mortuary)



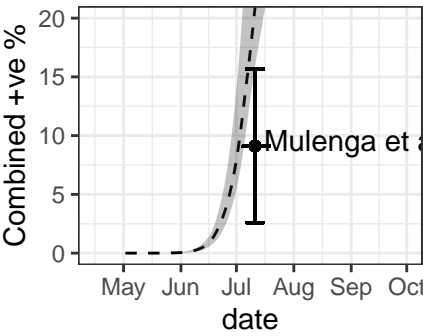
PCR prevalence  
binom II = -218.1



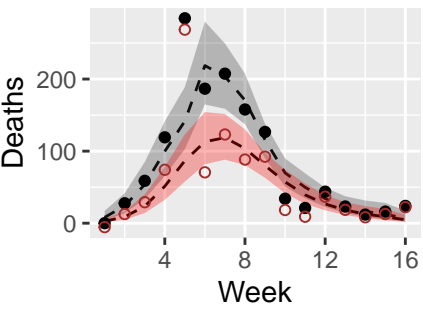
Seroprevalence  
binom II = -164.9



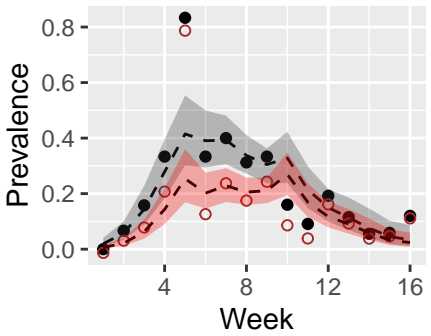
Combined prevalence  
binom II = -27



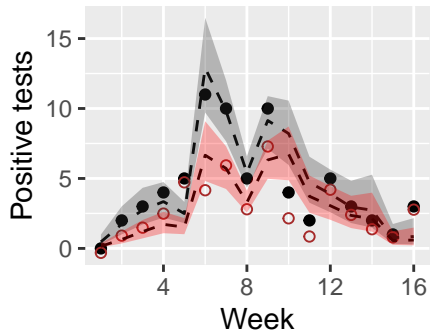
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



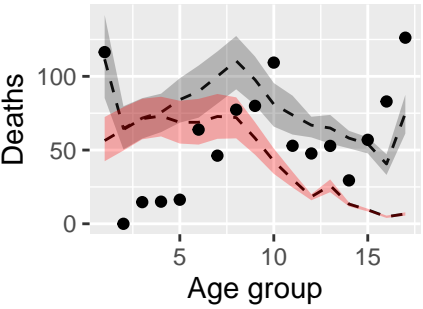
COVID-19 weekly prevalence  
(UTH mortuary)



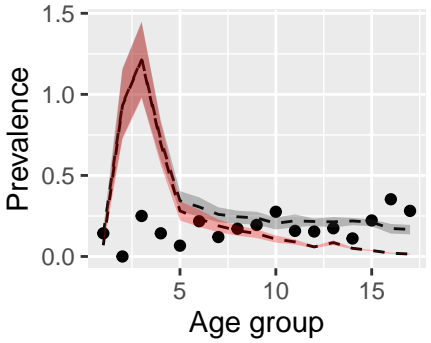
COVID-19 weekly positive tests  
(UTH mortuary)



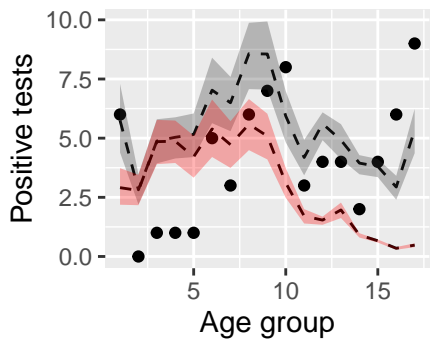
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.5



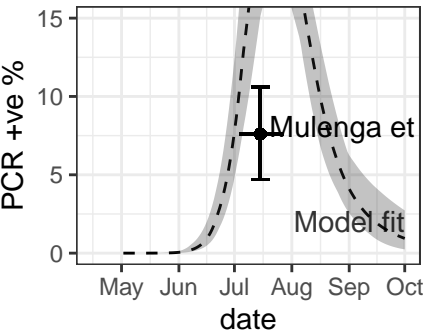
COVID-19 prevalence by age  
(UTH mortuary)



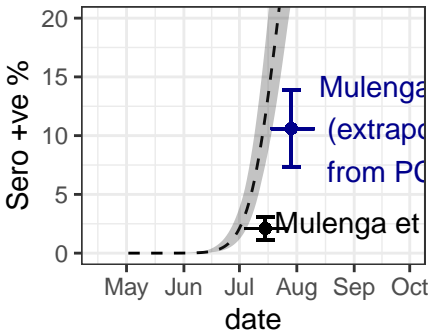
COVID-19 positive tests by age  
(UTH mortuary)



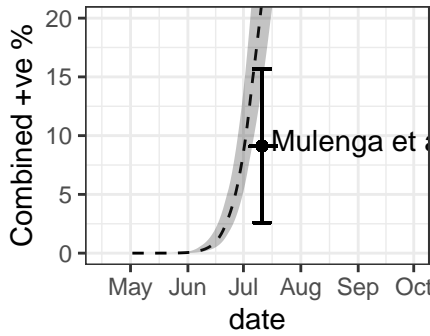
PCR prevalence  
binom II = -210.8



Seroprevalence  
binom II = -181.4

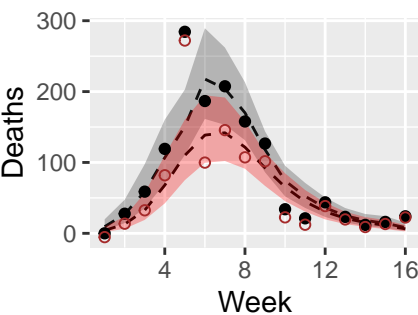


Combined prevalence  
binom II = -27.1

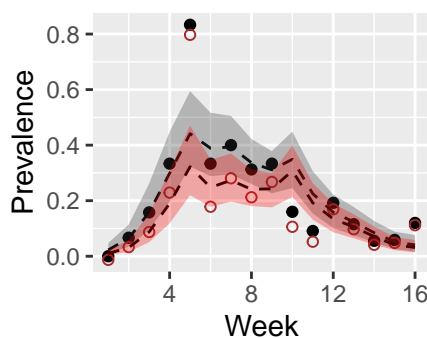


IFR x 0.6, Slope x 0.2

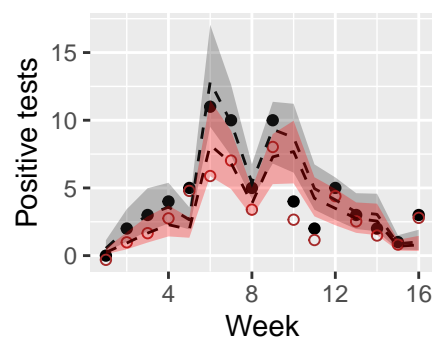
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



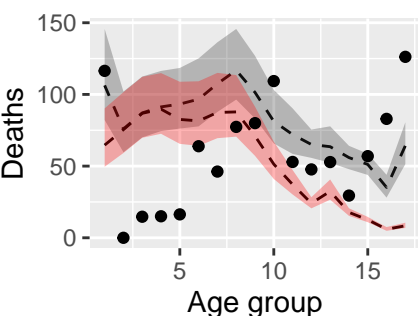
COVID-19 weekly prevalence  
(UTH mortuary)



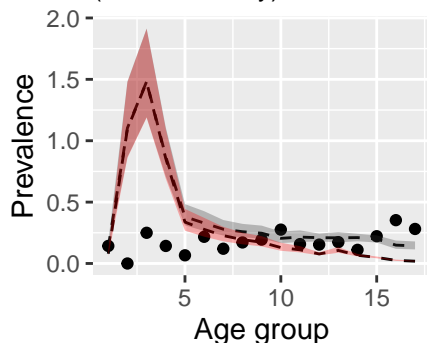
COVID-19 weekly positive tests  
(UTH mortuary)



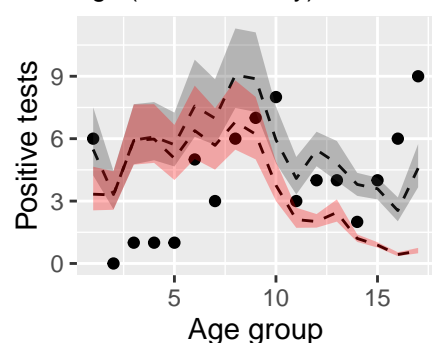
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.1



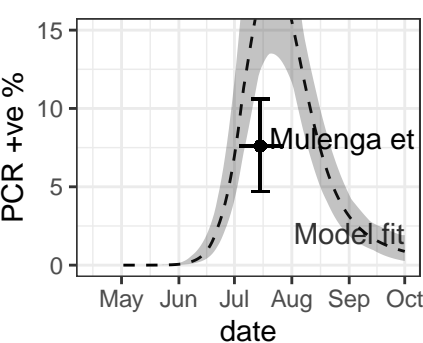
COVID-19 prevalence by age  
(UTH mortuary)



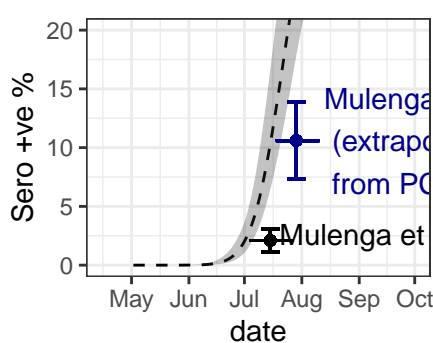
COVID-19 positive tests by age  
(UTH mortuary)



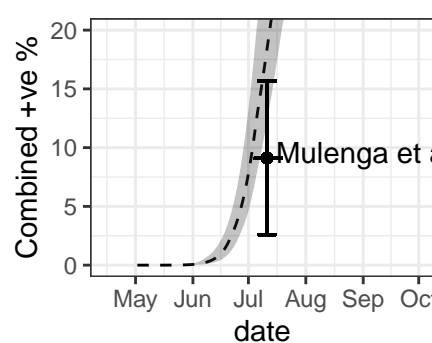
PCR prevalence  
binom II = -127



Seroprevalence  
binom II = -148.5

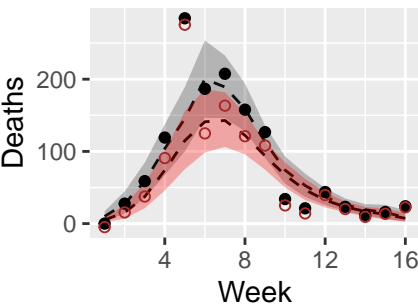


Combined prevalence  
binom II = -18.6

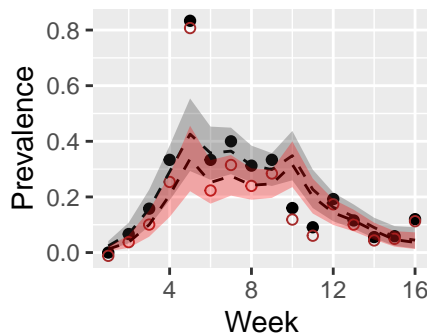


IFR x 0.8, Slope x 0.2

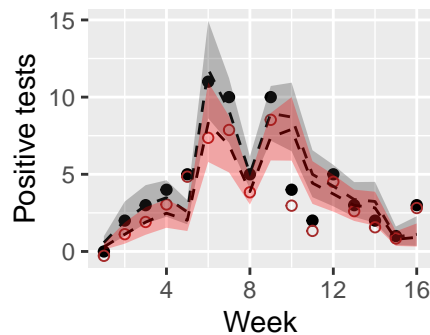
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



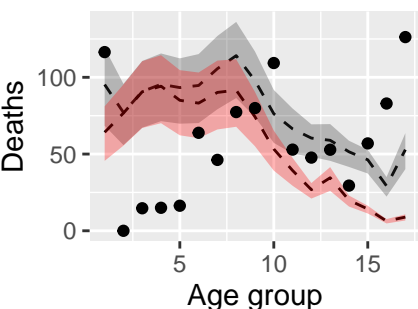
COVID-19 weekly prevalence  
(UTH mortuary)



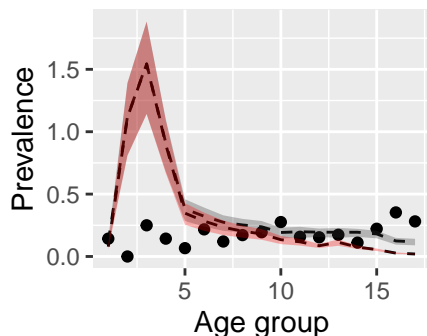
COVID-19 weekly positive tests  
(UTH mortuary)



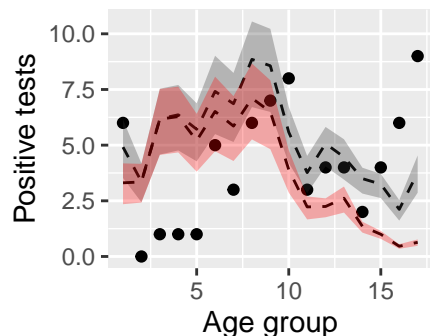
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.9



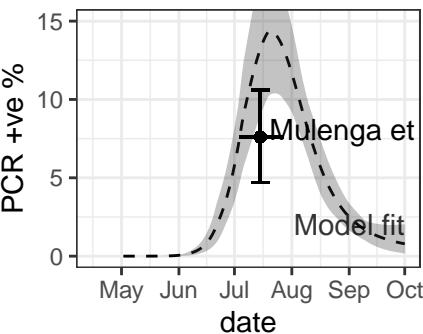
COVID-19 prevalence by age  
(UTH mortuary)



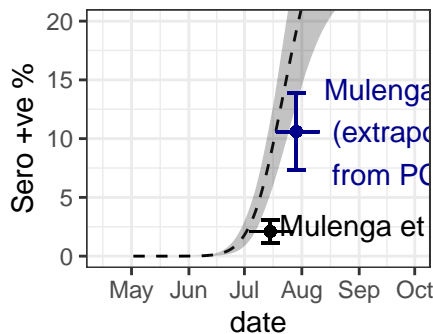
COVID-19 positive tests by age  
(UTH mortuary)



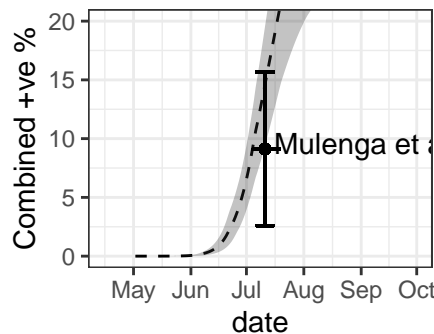
PCR prevalence  
binom II = -54.4



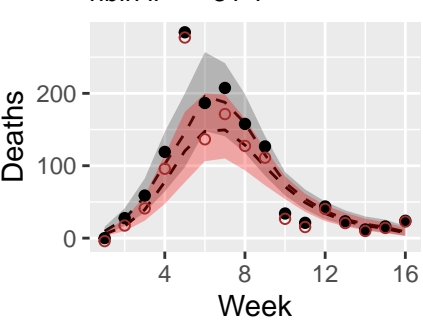
Seroprevalence  
binom II = -104.4



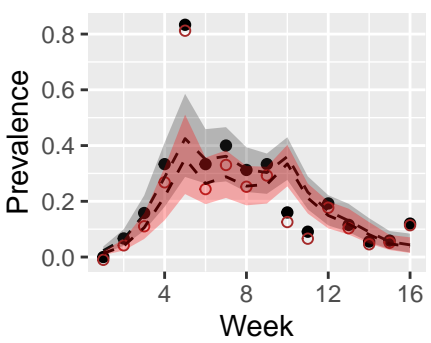
Combined prevalence  
binom II = -10.5



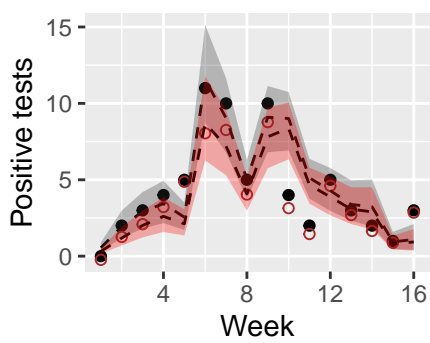
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



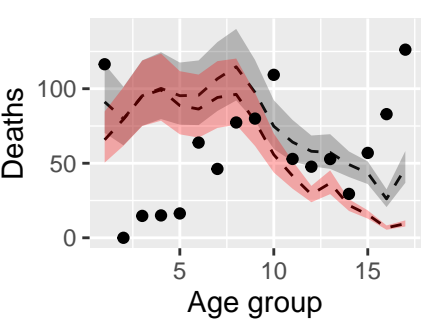
COVID-19 weekly prevalence  
(UTH mortuary)



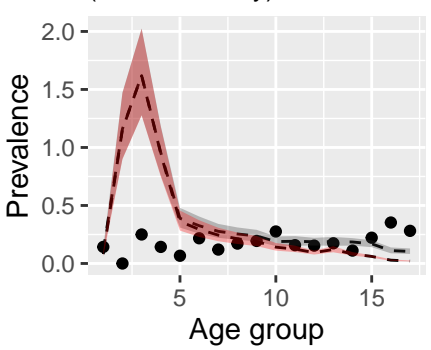
COVID-19 weekly positive tests  
(UTH mortuary)



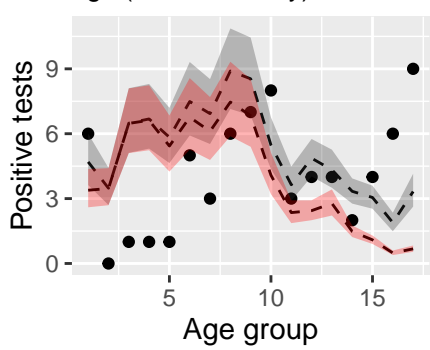
COVID-19 deaths by age  
(Lusaka)  
multinomial = 44



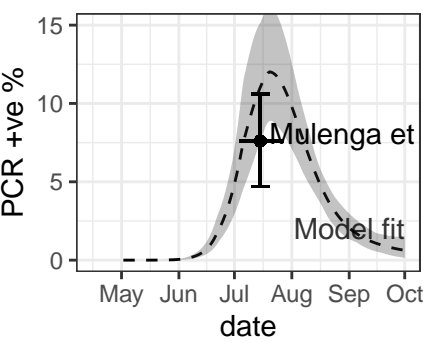
COVID-19 prevalence by age  
(UTH mortuary)



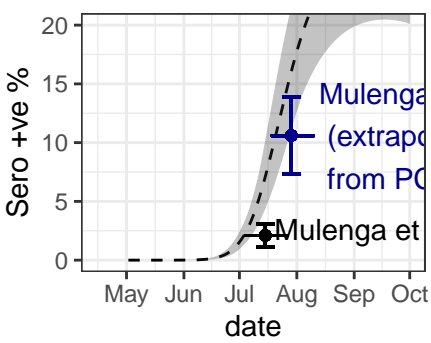
COVID-19 positive tests by age  
(UTH mortuary)



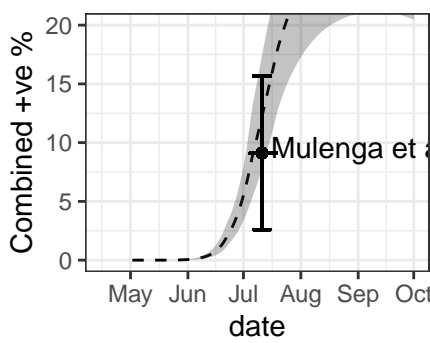
PCR prevalence  
binomial = 27



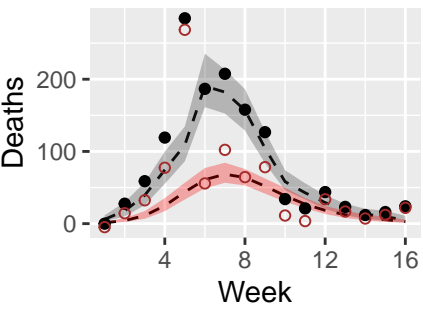
Seroprevalence  
binomial = 75.2



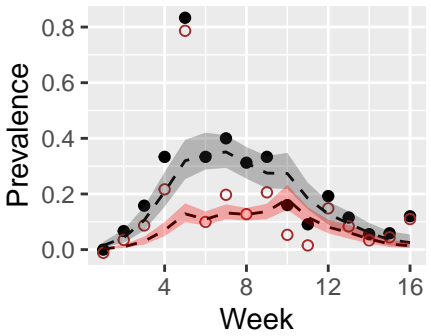
Combined prevalence  
binomial = 7.2



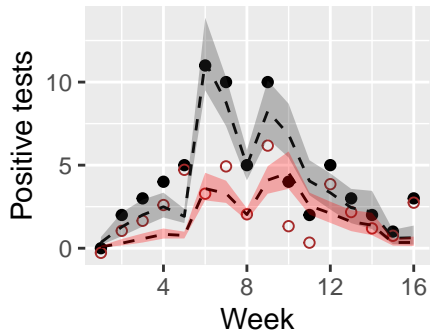
COVID-19 weekly deaths  
(Lusaka)  
nbins II = -32.1



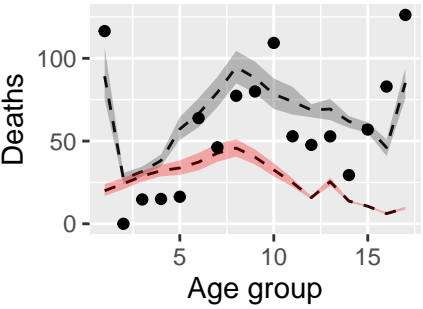
COVID-19 weekly prevalence  
(UTH mortuary)



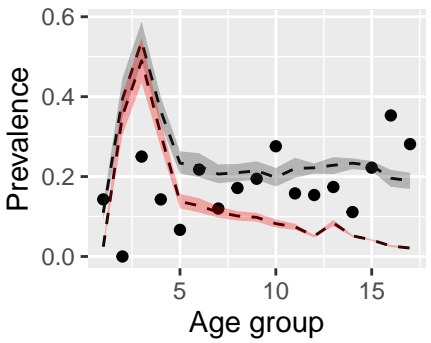
COVID-19 weekly positive tests  
(UTH mortuary)



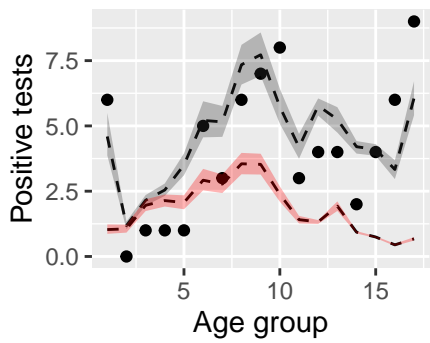
COVID-19 deaths by age  
(Lusaka)  
multinom II = -29.4



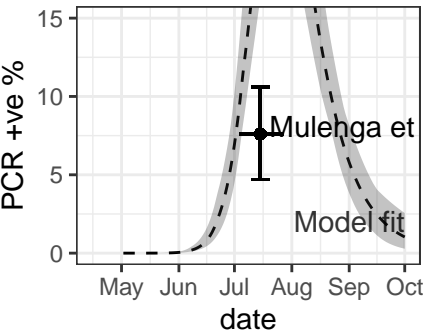
COVID-19 prevalence by age  
(UTH mortuary)



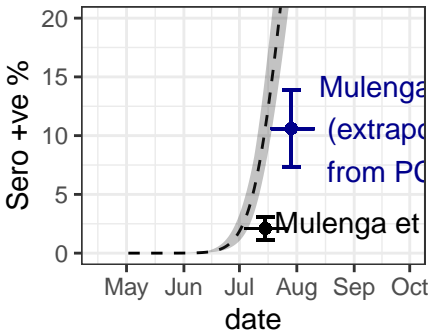
COVID-19 positive tests by age  
(UTH mortuary)



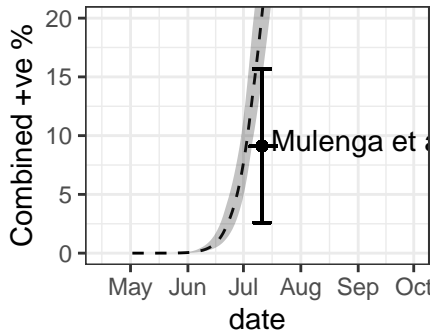
PCR prevalence  
binom II = -208.6



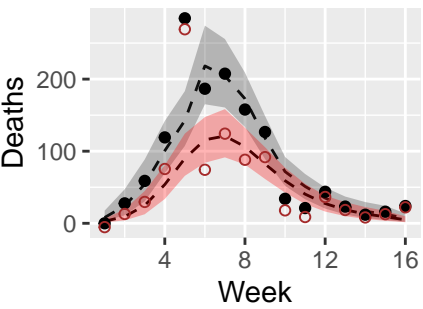
Seroprevalence  
binom II = -156.1



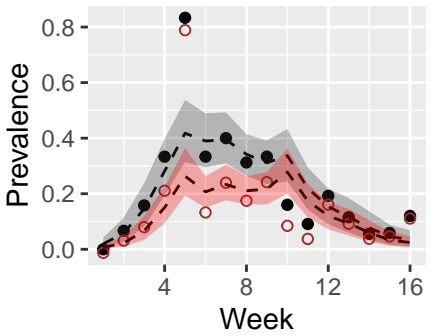
Combined prevalence  
binom II = -25.9



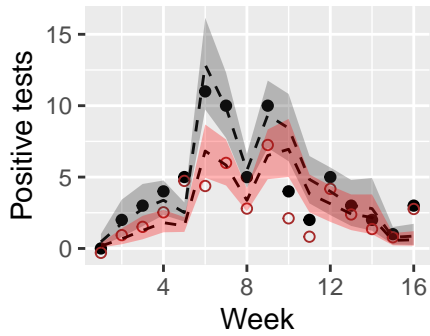
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



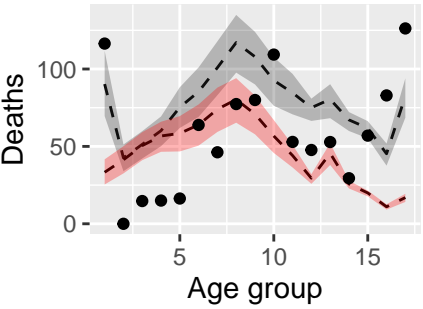
COVID-19 weekly prevalence  
(UTH mortuary)



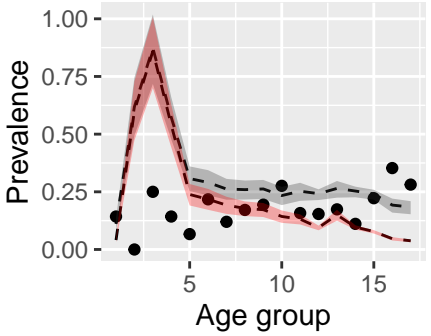
COVID-19 weekly positive tests  
(UTH mortuary)



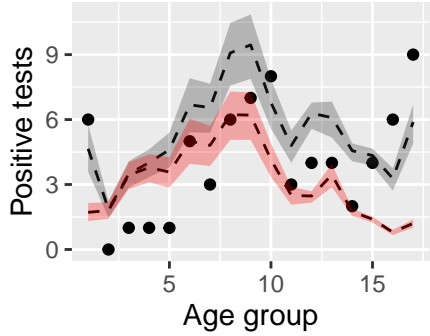
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.6



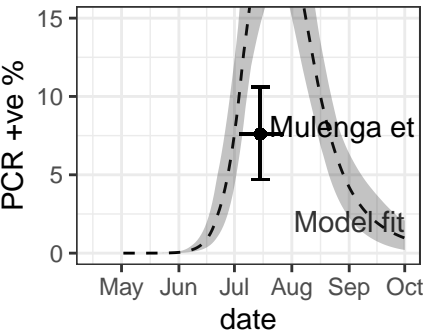
COVID-19 prevalence by age  
(UTH mortuary)



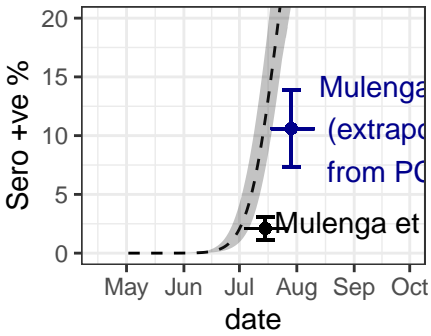
COVID-19 positive tests by age  
(UTH mortuary)



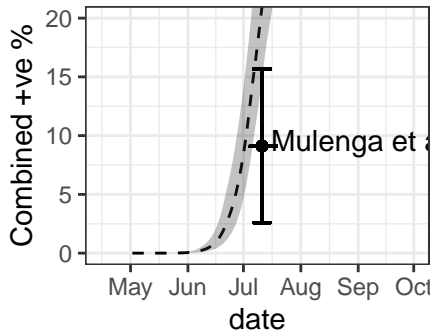
PCR prevalence  
binom II = -197.3



Seroprevalence  
binom II = -175.7

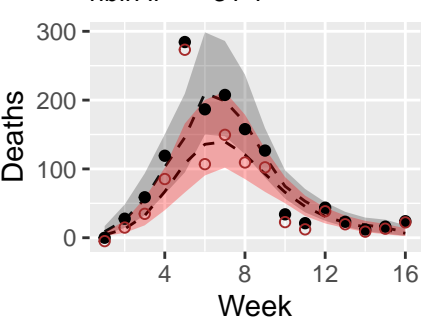


Combined prevalence  
binom II = -25.7

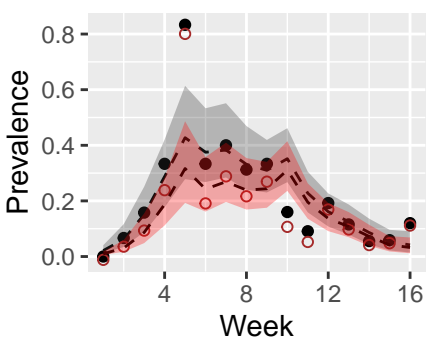


IFR x 0.6, Slope x 0.4

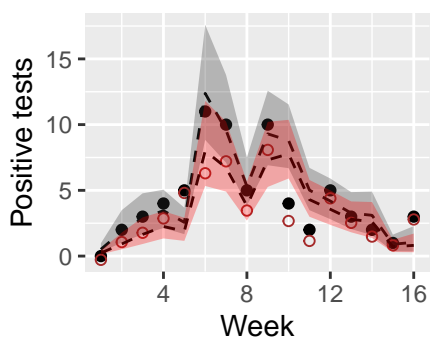
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



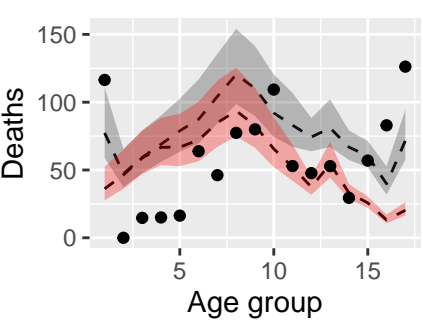
COVID-19 weekly prevalence  
(UTH mortuary)



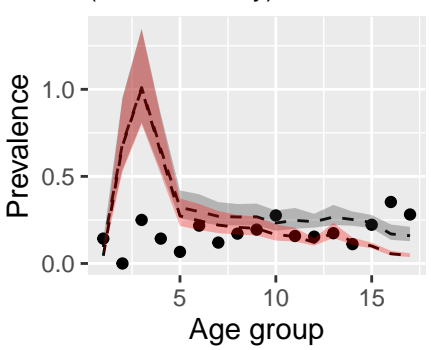
COVID-19 weekly positive tests  
(UTH mortuary)



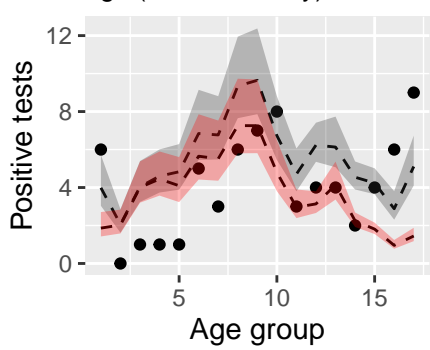
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.2



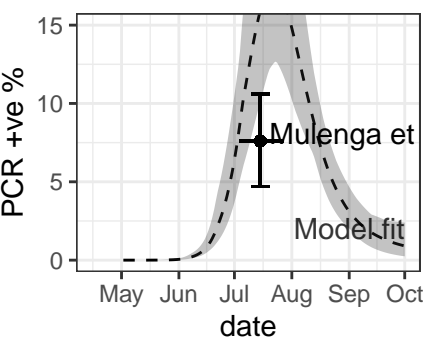
COVID-19 prevalence by age  
(UTH mortuary)



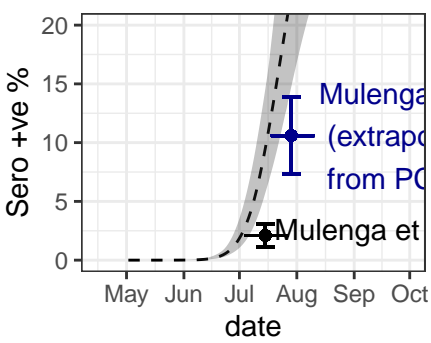
COVID-19 positive tests by age  
(UTH mortuary)



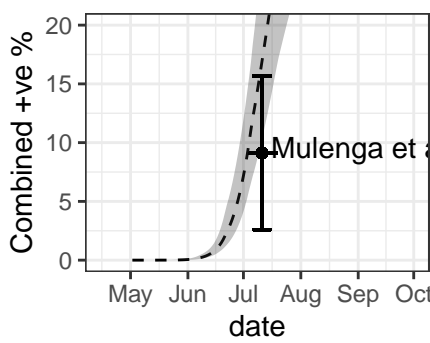
PCR prevalence  
binom II = -101.3



Seroprevalence  
binom II = -128.9



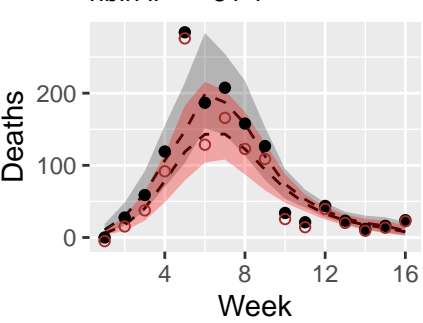
Combined prevalence  
binom II = -15.5



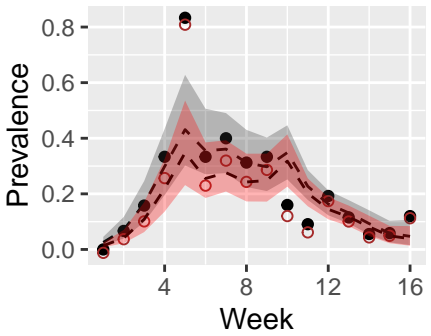


IFR x 0.8, Slope x 0.4

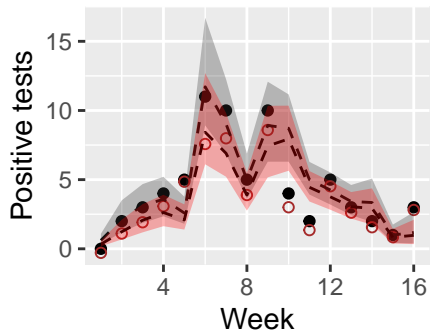
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



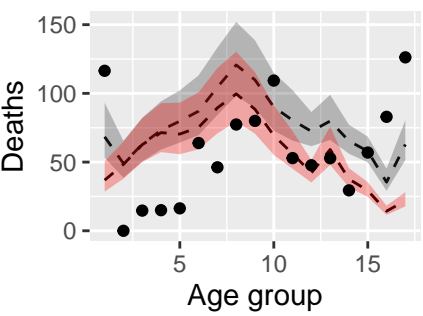
COVID-19 weekly prevalence  
(UTH mortuary)



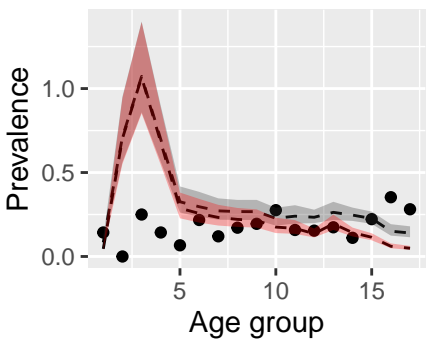
COVID-19 weekly positive tests  
(UTH mortuary)



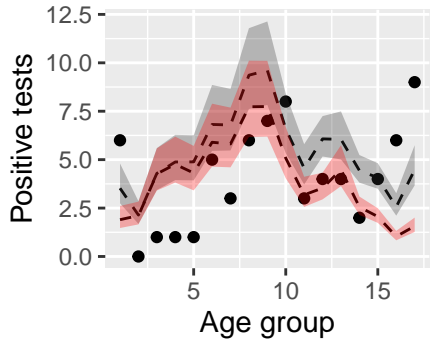
COVID-19 deaths by age  
(Lusaka)  
multinom II = -37.1



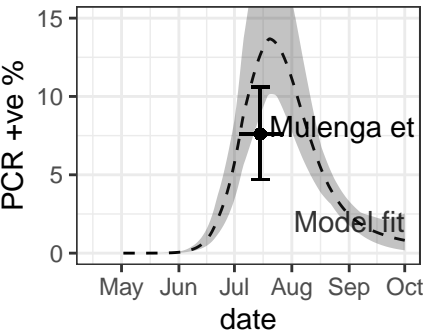
COVID-19 prevalence by age  
(UTH mortuary)



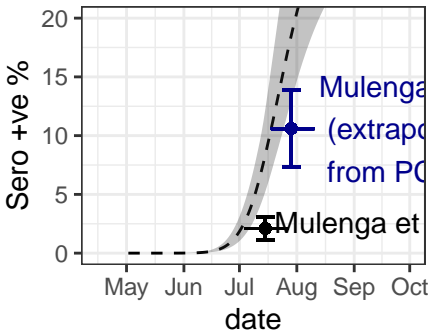
COVID-19 positive tests by age  
(UTH mortuary)



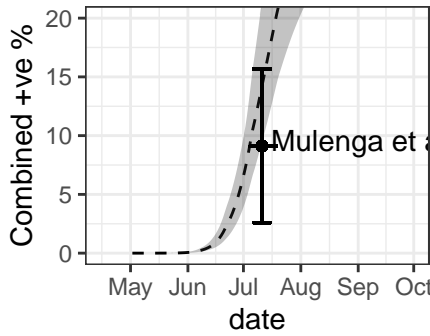
PCR prevalence  
binom II = -47.1



Seroprevalence  
binom II = -102.4

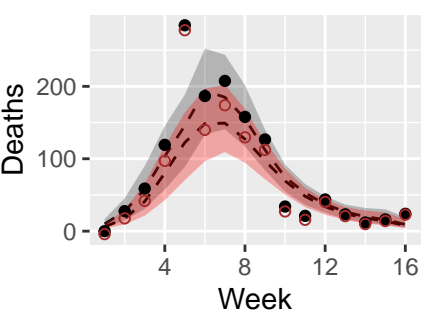


Combined prevalence  
binom II = -9.8

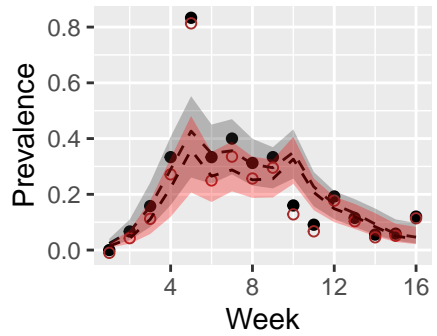


IFR x 1, Slope x 0.4

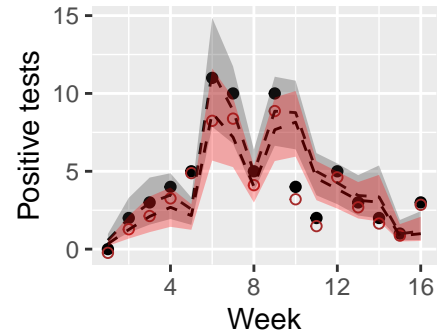
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



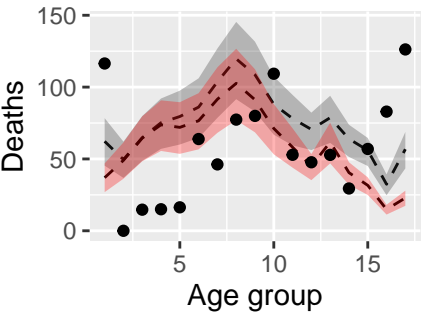
COVID-19 weekly prevalence  
(UTH mortuary)



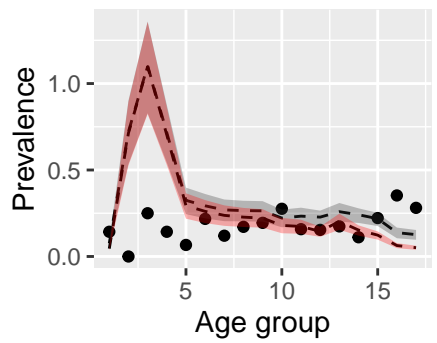
COVID-19 weekly positive tests  
(UTH mortuary)



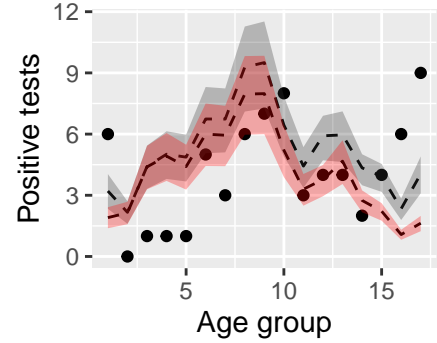
COVID-19 deaths by age  
(Lusaka)  
multinom II = -38.5



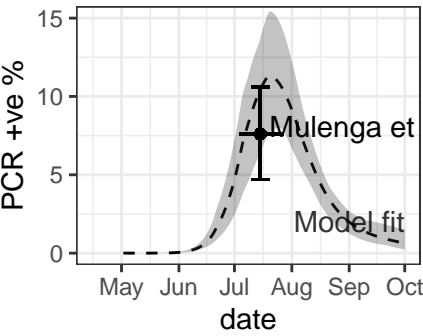
COVID-19 prevalence by age  
(UTH mortuary)



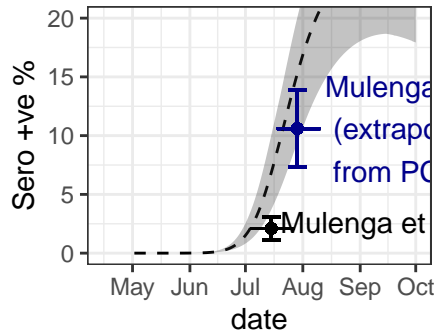
COVID-19 positive tests by age  
(UTH mortuary)



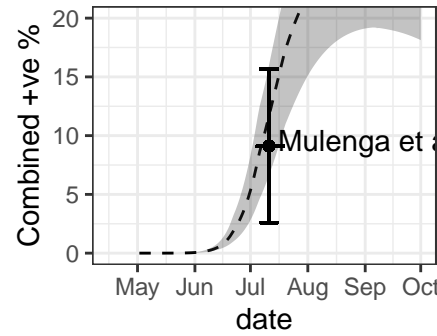
PCR prevalence  
binom II = -20.6



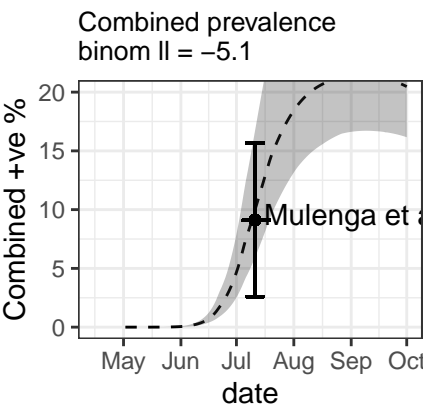
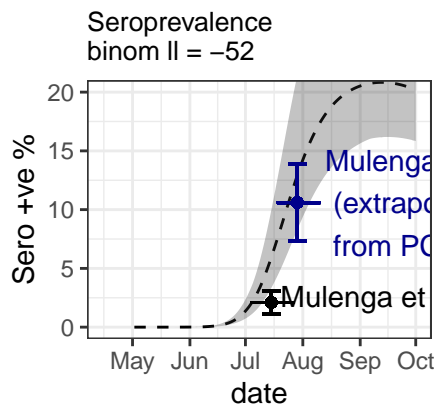
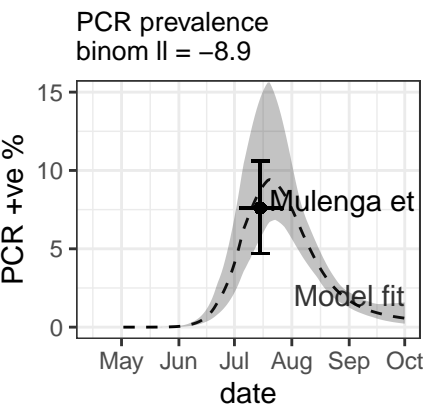
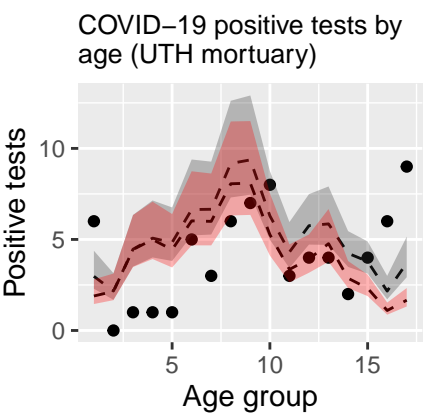
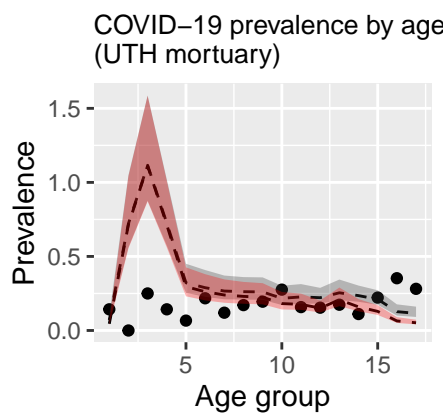
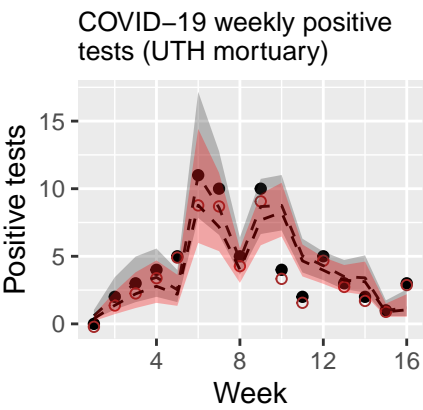
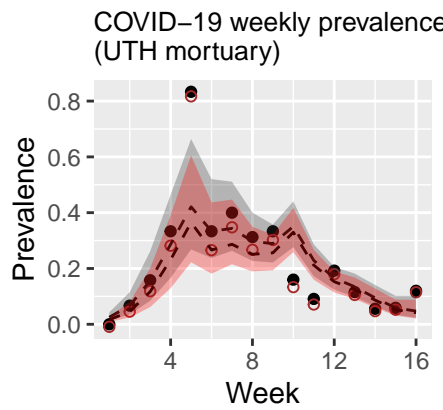
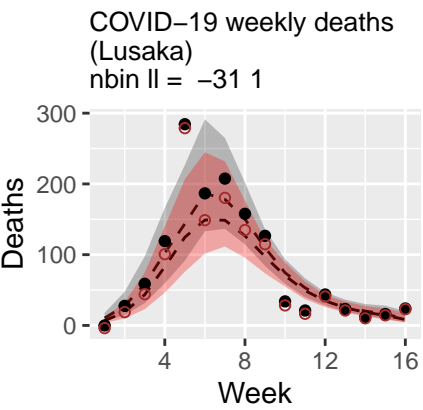
Seroprevalence  
binom II = -69.8



Combined prevalence  
binom II = -6.5

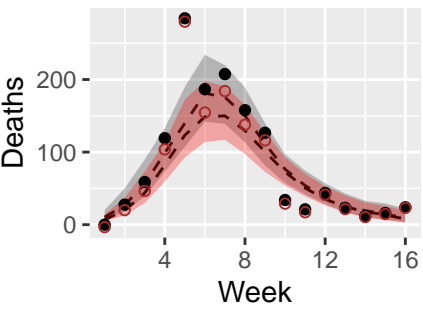


IFR x 1.2, Slope x 0.4

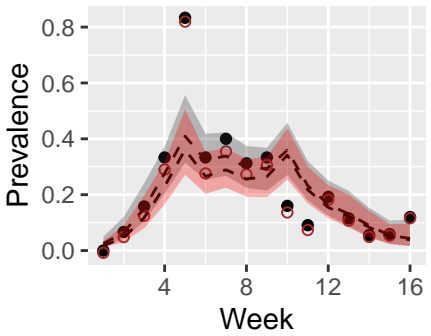


IFR x 1.4, Slope x 0.4

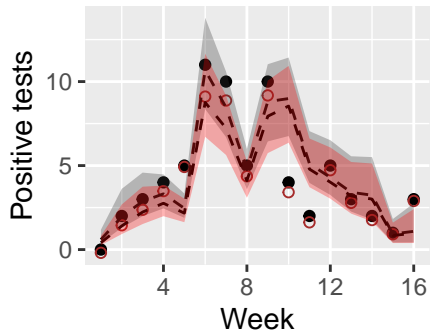
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



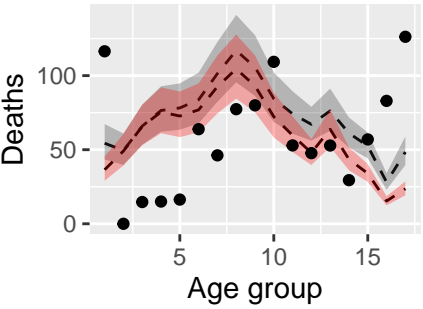
COVID-19 weekly prevalence  
(UTH mortuary)



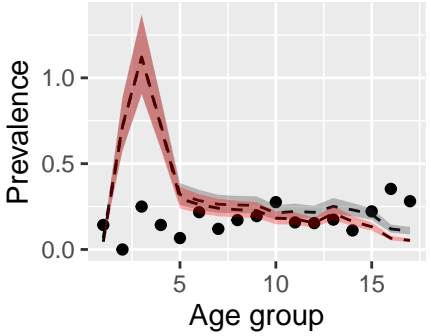
COVID-19 weekly positive tests  
(UTH mortuary)



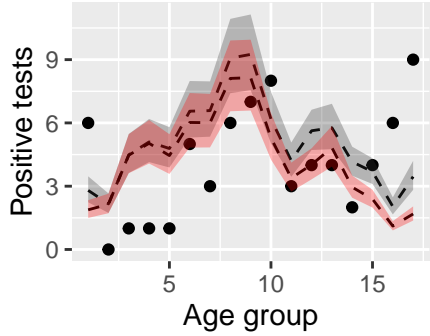
COVID-19 deaths by age  
(Lusaka)  
multinom II = -40.5



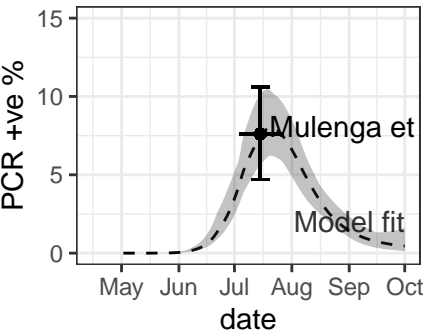
COVID-19 prevalence by age  
(UTH mortuary)



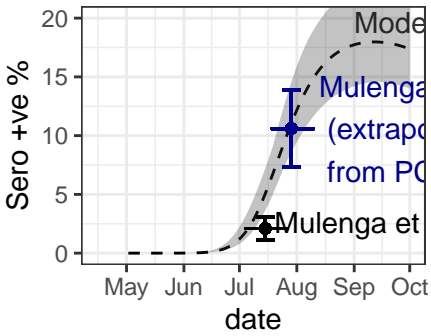
COVID-19 positive tests by age  
(UTH mortuary)



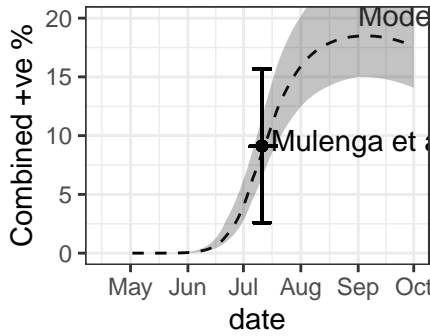
PCR prevalence  
binom II = -5.5



Seroprevalence  
binom II = -36.1

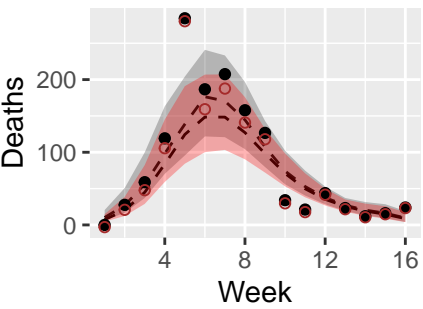


Combined prevalence  
binom II = -4.7

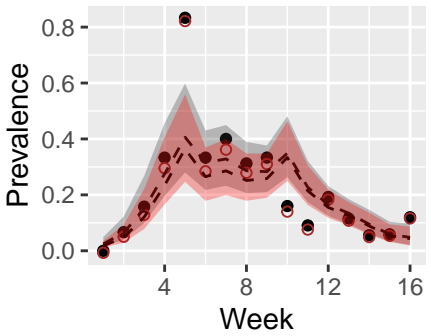


IFR x 1.6, Slope x 0.4

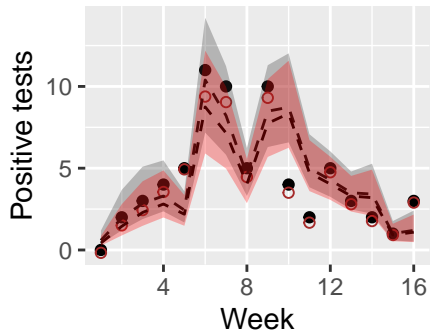
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



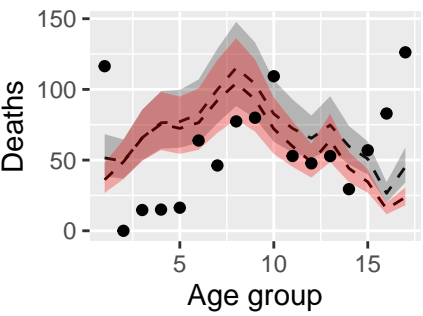
COVID-19 weekly prevalence  
(UTH mortuary)



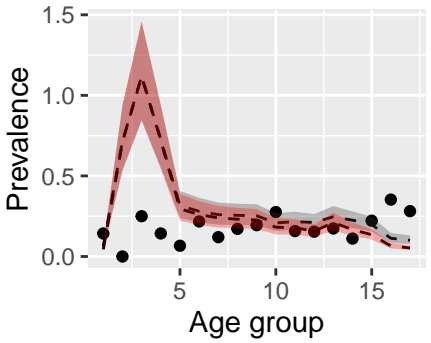
COVID-19 weekly positive tests  
(UTH mortuary)



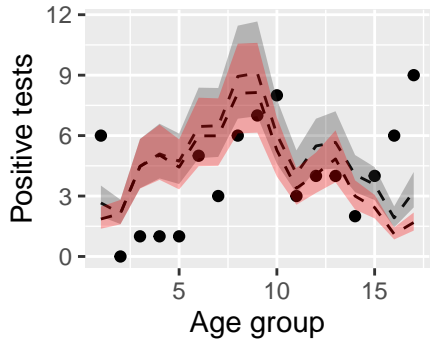
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.3



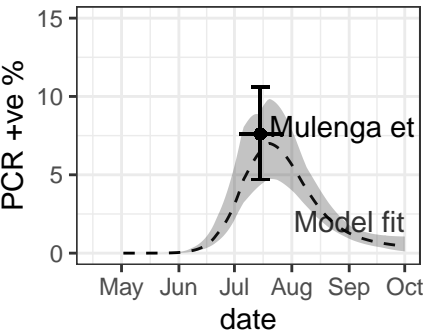
COVID-19 prevalence by age  
(UTH mortuary)



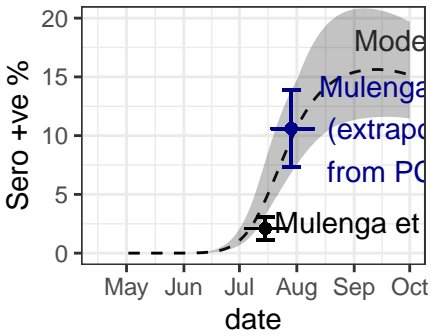
COVID-19 positive tests by age  
(UTH mortuary)



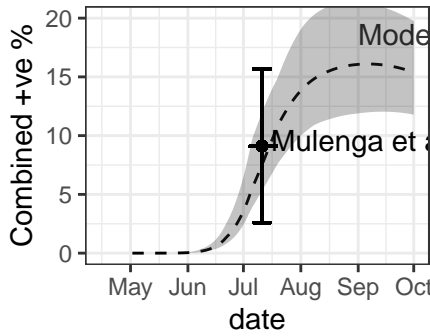
PCR prevalence  
binom II = -9.6



Seroprevalence  
binom II = -27.5

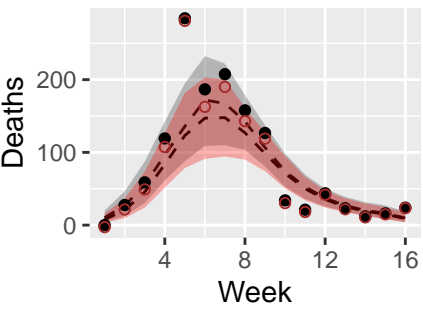


Combined prevalence  
binom II = -5.2

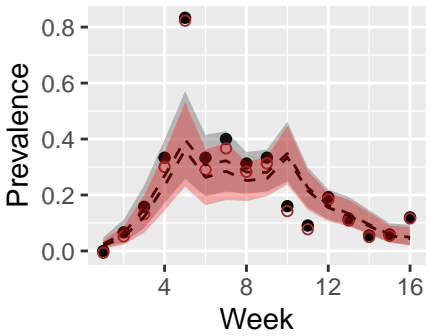


IFR x 1.8, Slope x 0.4

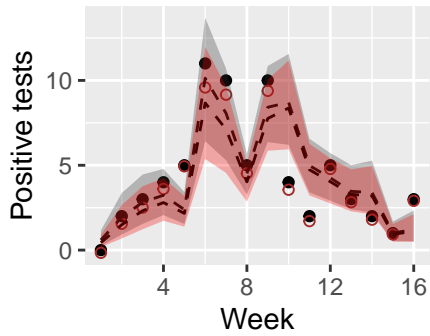
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



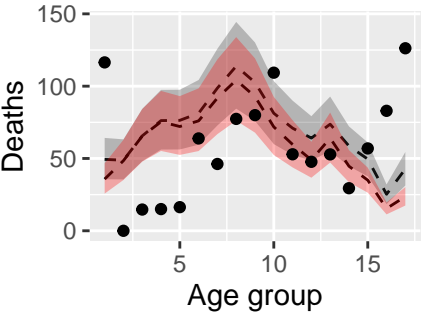
COVID-19 weekly prevalence  
(UTH mortuary)



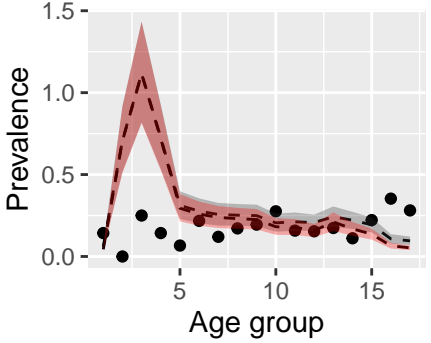
COVID-19 weekly positive tests  
(UTH mortuary)



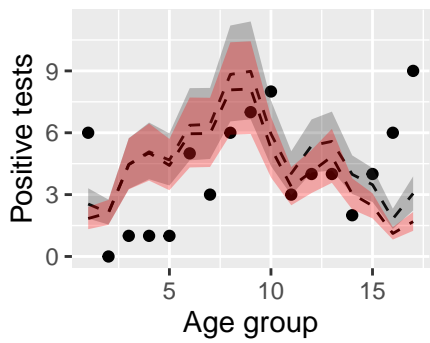
COVID-19 deaths by age  
(Lusaka)  
multinom II = -42



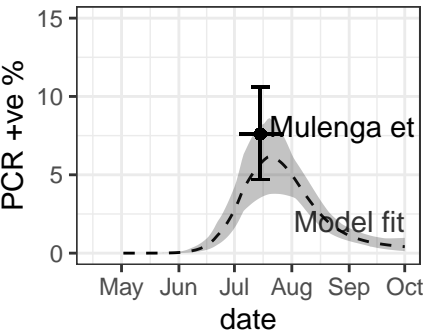
COVID-19 prevalence by age  
(UTH mortuary)



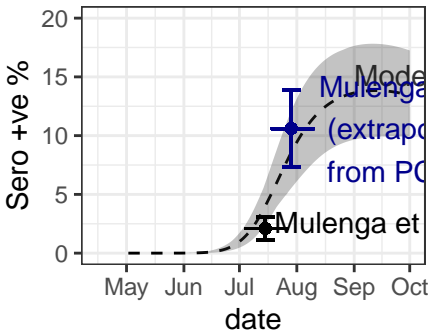
COVID-19 positive tests by age  
(UTH mortuary)



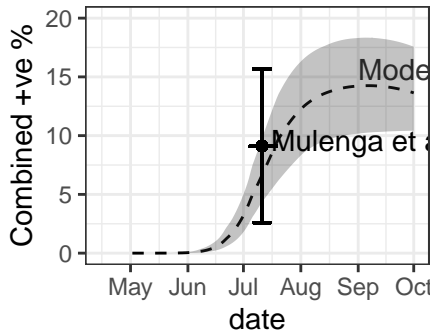
PCR prevalence  
binom II = -15.1



Seroprevalence  
binom II = -20.1

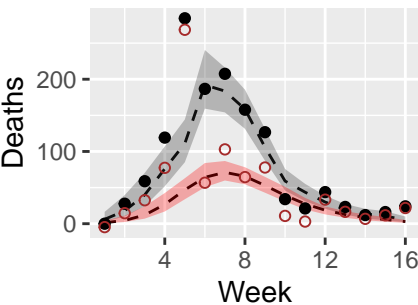


Combined prevalence  
binom II = -5.9

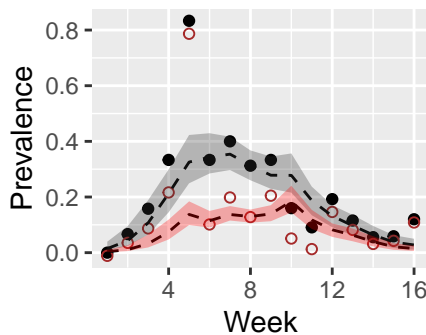


IFR x 0.2, Slope x 0.6

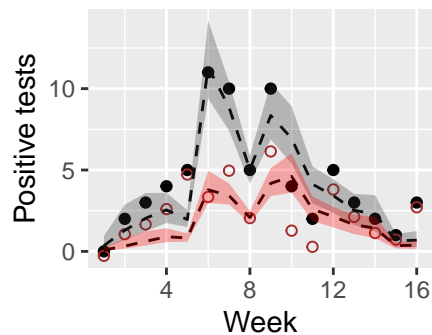
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -32.1



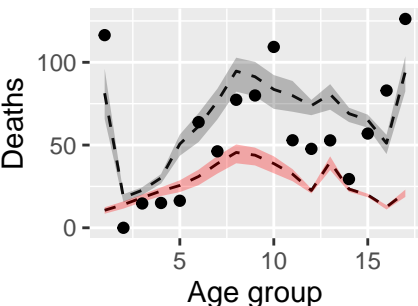
COVID-19 weekly prevalence  
(UTH mortuary)



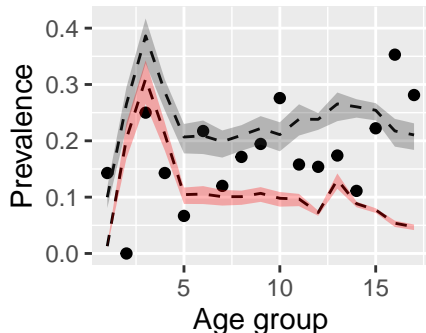
COVID-19 weekly positive tests  
(UTH mortuary)



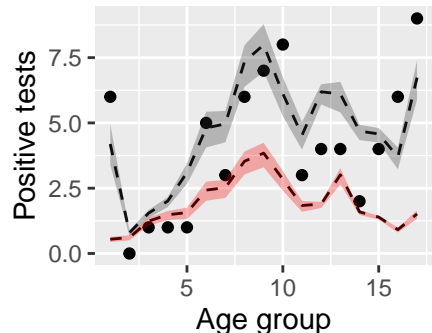
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.3



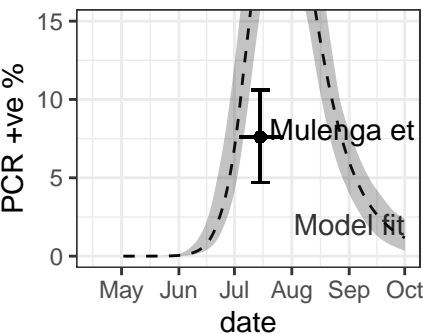
COVID-19 prevalence by age  
(UTH mortuary)



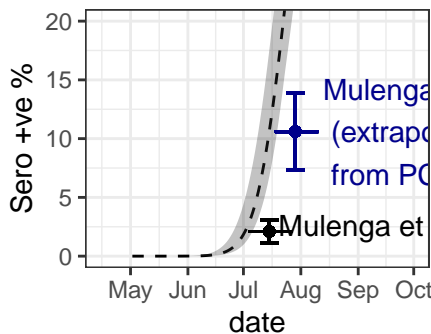
COVID-19 positive tests by age  
(UTH mortuary)



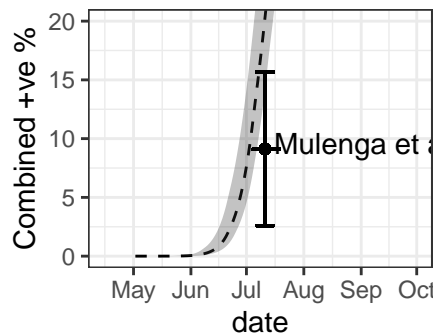
PCR prevalence  
binom II = -208.7



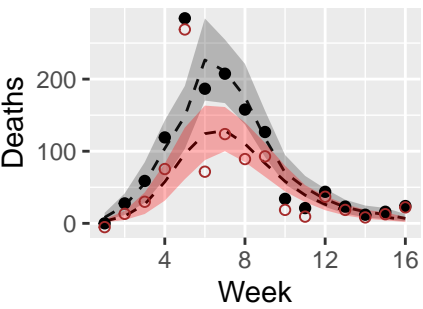
Seroprevalence  
binom II = -155.9



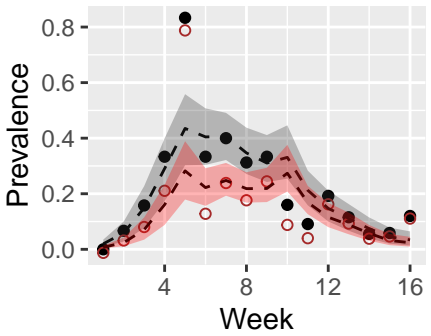
Combined prevalence  
binom II = -25.9



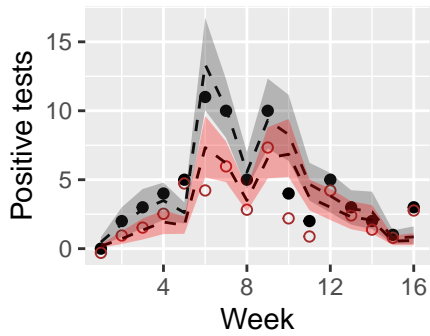
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



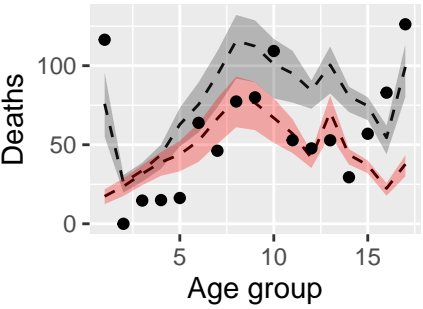
COVID-19 weekly prevalence  
(UTH mortuary)



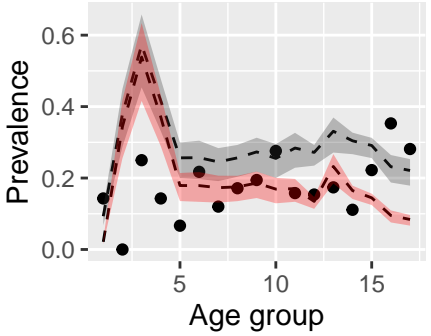
COVID-19 weekly positive tests  
(UTH mortuary)



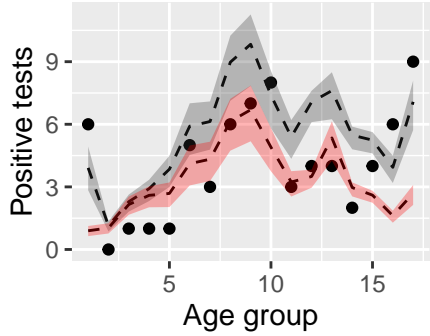
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30.2



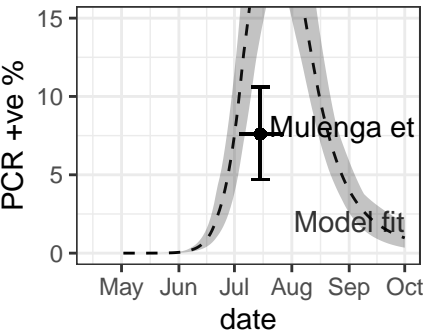
COVID-19 prevalence by age  
(UTH mortuary)



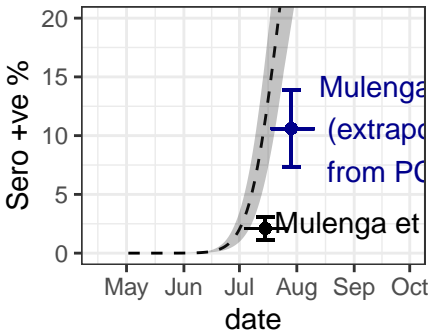
COVID-19 positive tests by age  
(UTH mortuary)



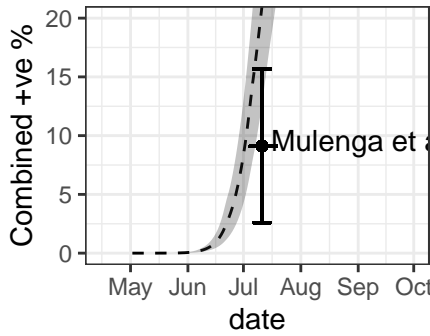
PCR prevalence  
binom II = -204.1



Seroprevalence  
binom II = -174.4

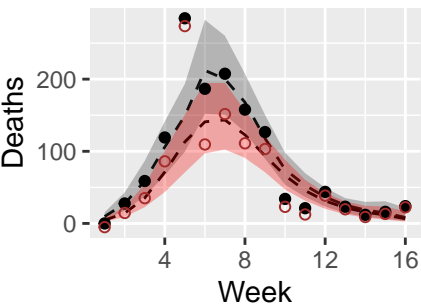


Combined prevalence  
binom II = -26.3

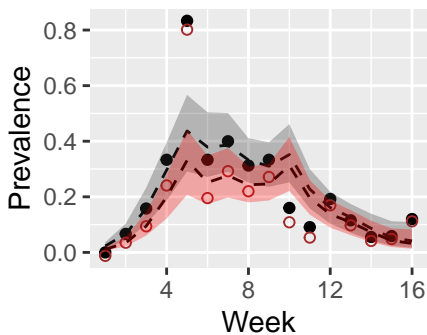




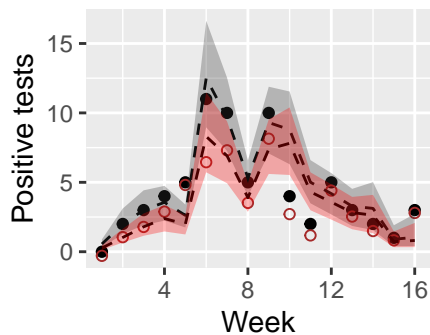
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



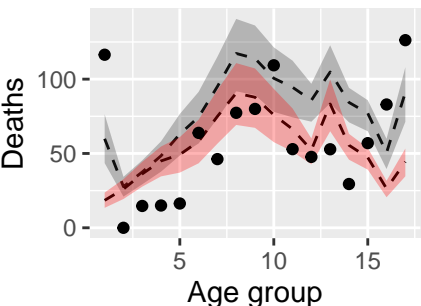
COVID-19 weekly prevalence  
(UTH mortuary)



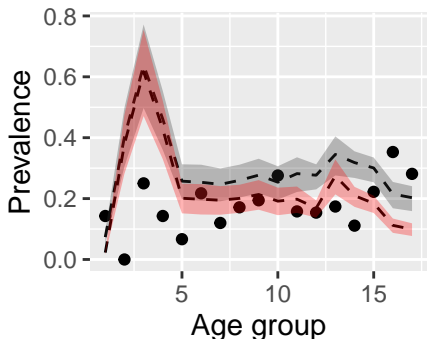
COVID-19 weekly positive tests  
(UTH mortuary)



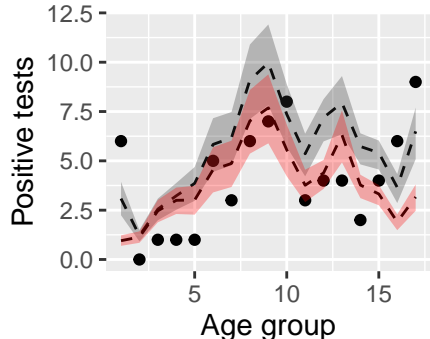
COVID-19 deaths by age  
(Lusaka)  
multinomial = 32.1



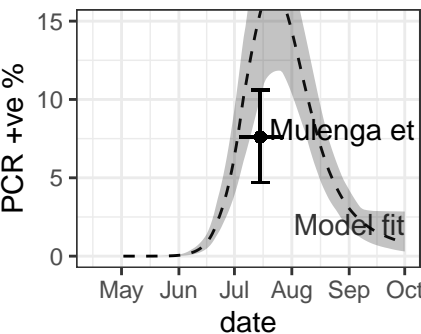
COVID-19 prevalence by age  
(UTH mortuary)



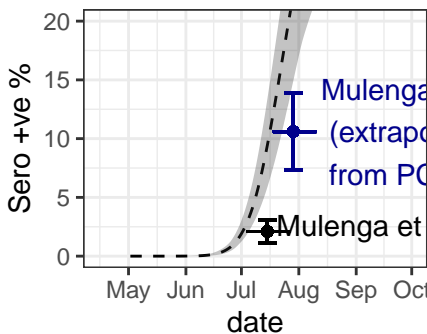
COVID-19 positive tests by age  
(UTH mortuary)



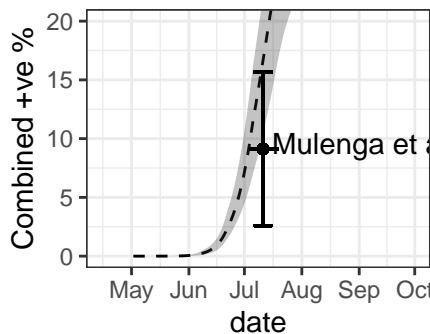
PCR prevalence  
binomial = 94.4



Seroprevalence  
binomial = 126.4

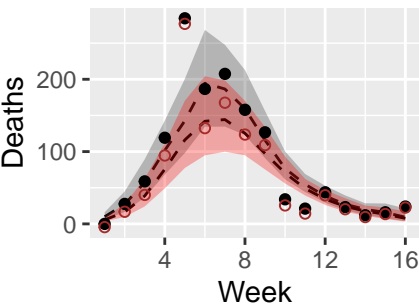


Combined prevalence  
binomial = 14.8

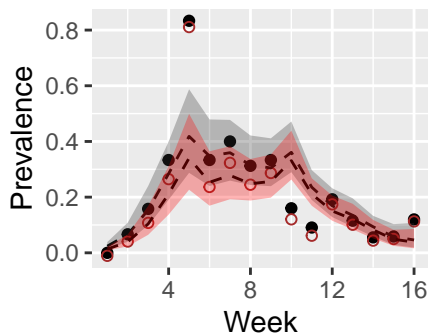


IFR x 0.8, Slope x 0.6

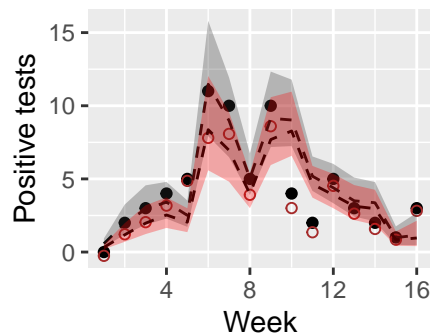
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



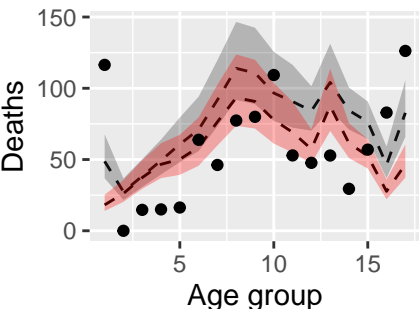
COVID-19 weekly prevalence  
(UTH mortuary)



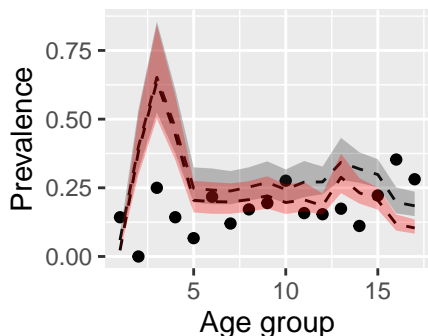
COVID-19 weekly positive tests  
(UTH mortuary)



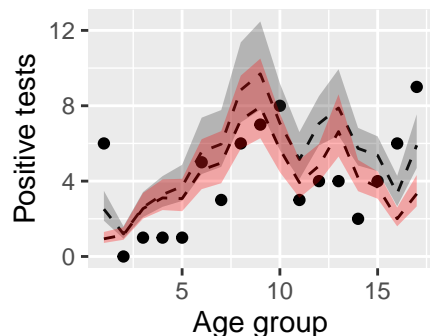
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.5



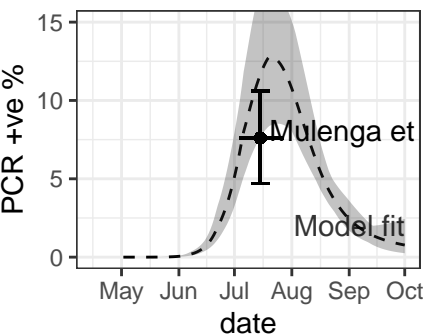
COVID-19 prevalence by age  
(UTH mortuary)



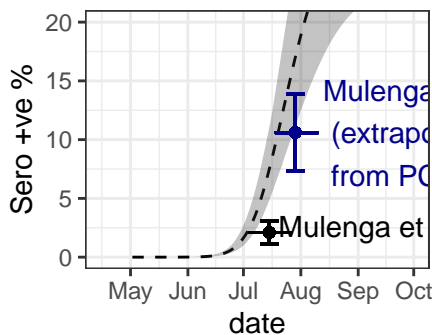
COVID-19 positive tests by age  
(UTH mortuary)



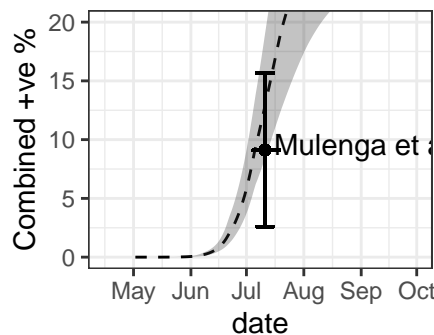
PCR prevalence  
binom II = -34



Seroprevalence  
binom II = -83.3

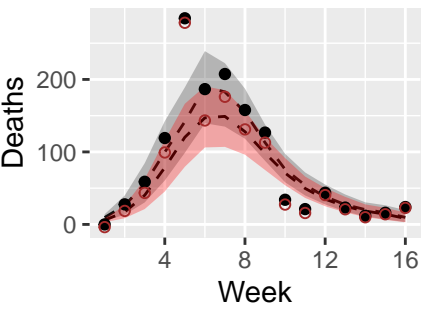


Combined prevalence  
binom II = -8

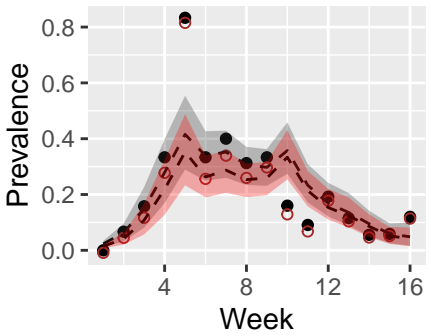


IFR x 1, Slope x 0.6

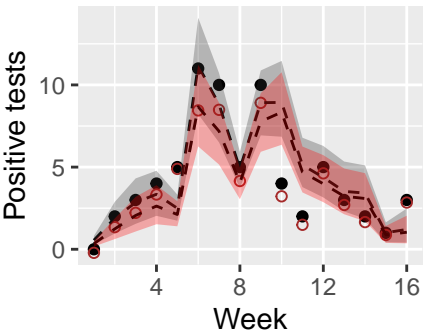
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



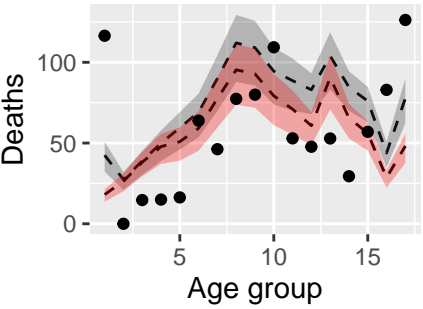
COVID-19 weekly prevalence  
(UTH mortuary)



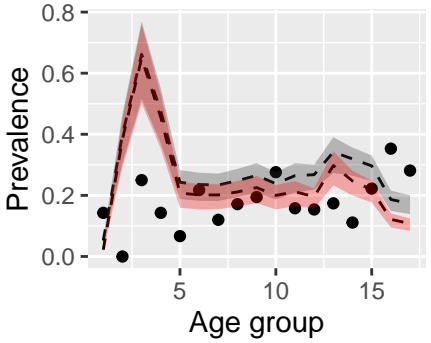
COVID-19 weekly positive tests  
(UTH mortuary)



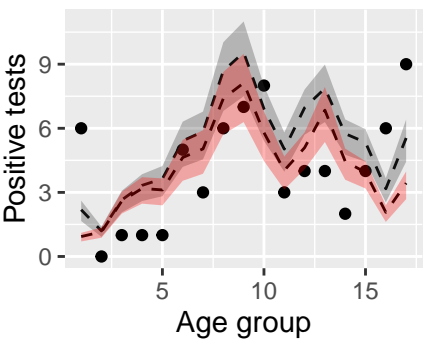
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.6



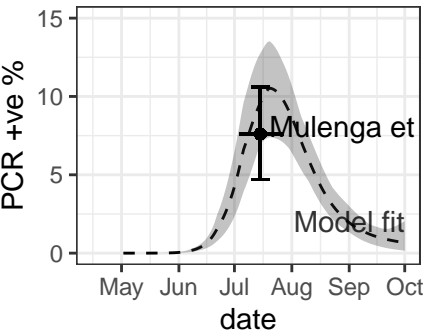
COVID-19 prevalence by age  
(UTH mortuary)



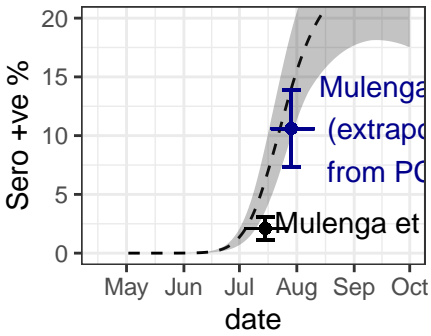
COVID-19 positive tests by age  
(UTH mortuary)



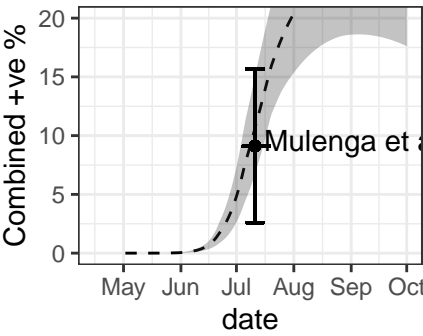
PCR prevalence  
binom II = -13.4



Seroprevalence  
binom II = -57

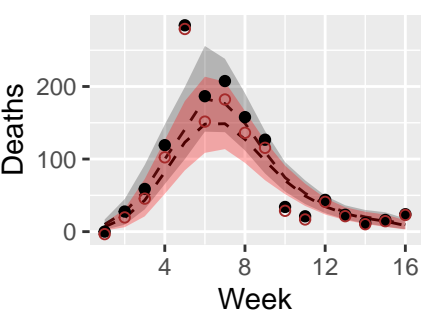


Combined prevalence  
binom II = -5.6

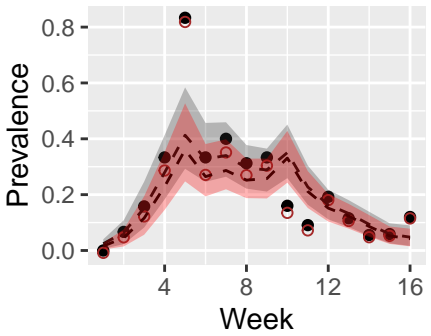


IFR x 1.2, Slope x 0.6

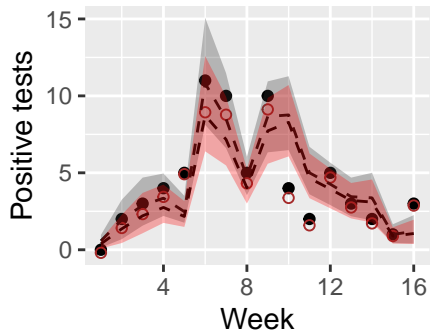
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



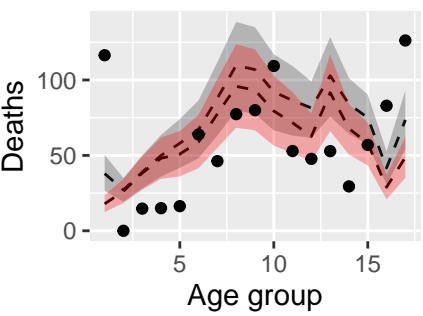
COVID-19 weekly prevalence  
(UTH mortuary)



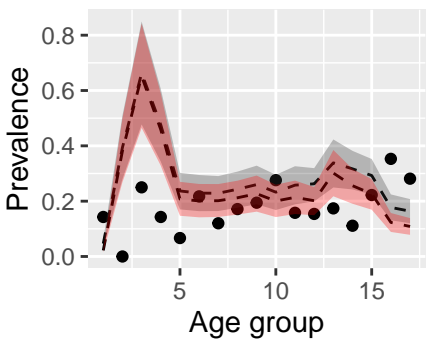
COVID-19 weekly positive tests  
(UTH mortuary)



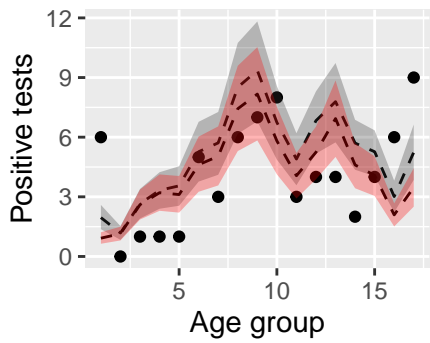
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.4



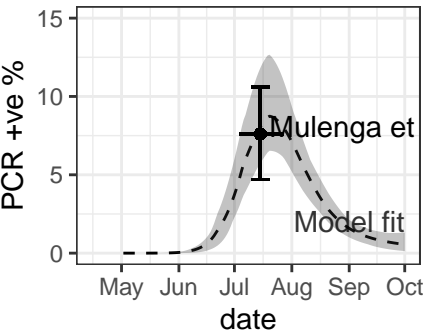
COVID-19 prevalence by age  
(UTH mortuary)



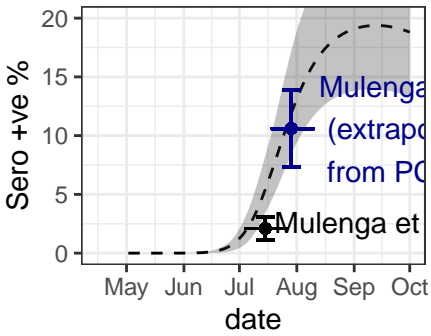
COVID-19 positive tests by age  
(UTH mortuary)



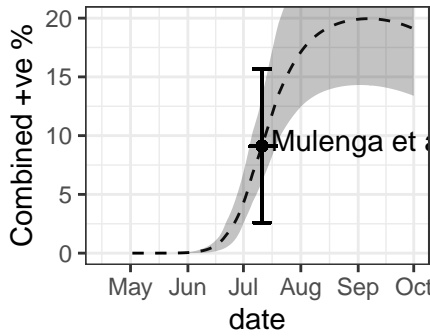
PCR prevalence  
binom II = -6.3



Seroprevalence  
binom II = -42.4

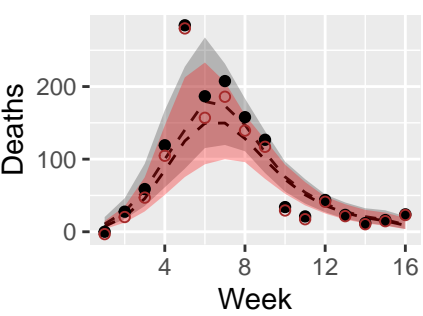


Combined prevalence  
binom II = -4.8

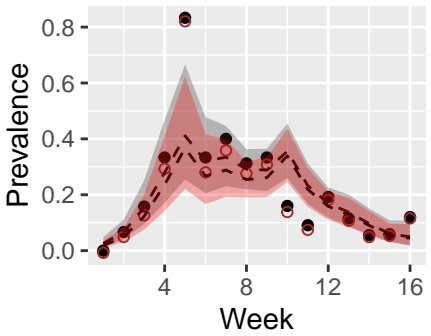


IFR x 1.4, Slope x 0.6

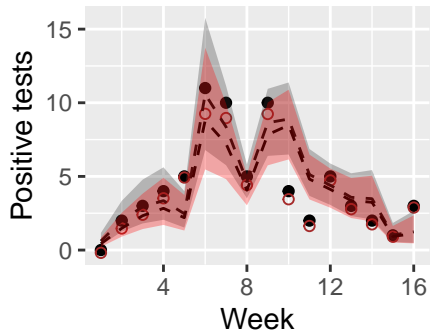
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



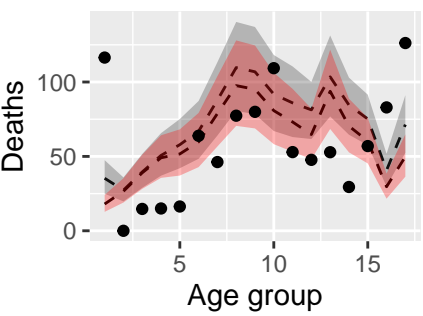
COVID-19 weekly prevalence  
(UTH mortuary)



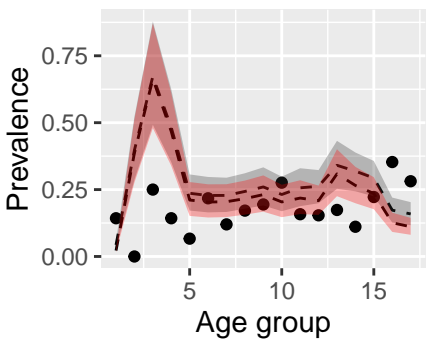
COVID-19 weekly positive tests  
(UTH mortuary)



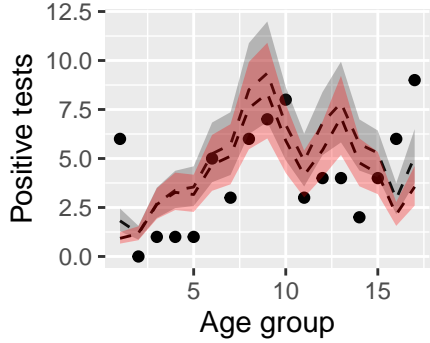
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36



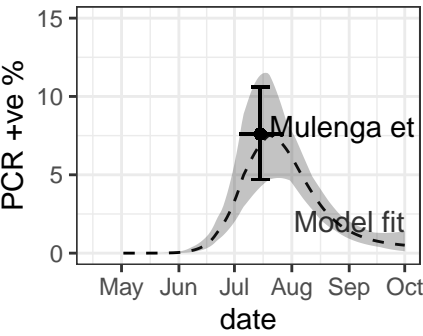
COVID-19 prevalence by age  
(UTH mortuary)



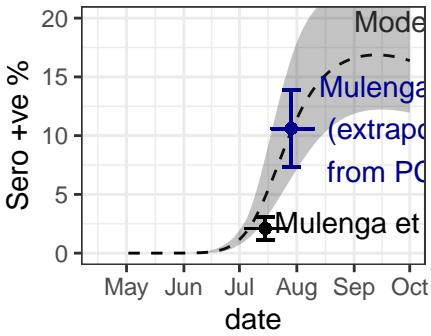
COVID-19 positive tests by age  
(UTH mortuary)



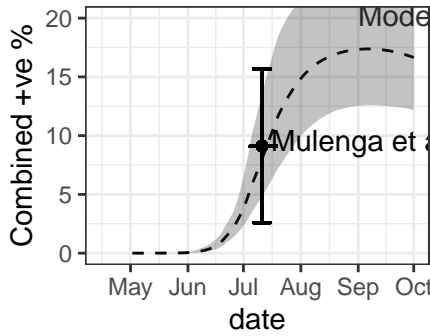
PCR prevalence  
binom II = -6.7



Seroprevalence  
binom II = -32

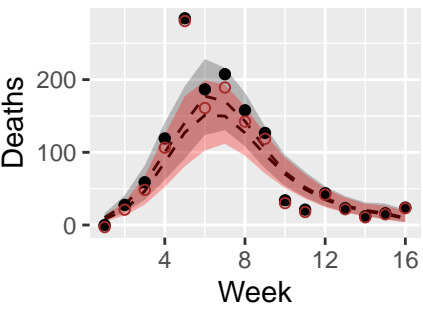


Combined prevalence  
binom II = -4.8

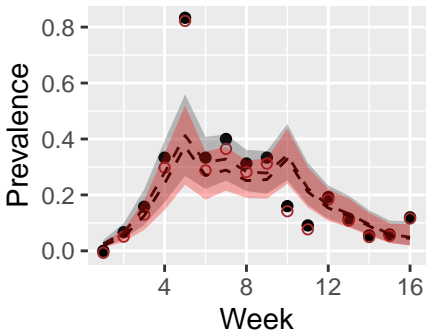


IFR x 1.6, Slope x 0.6

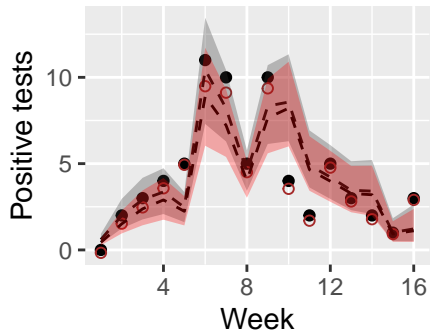
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



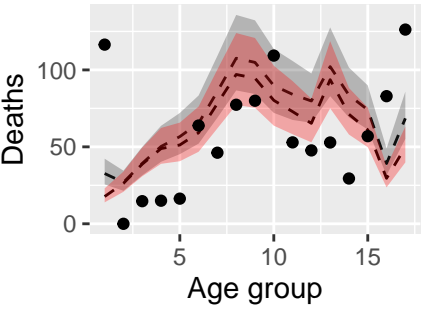
COVID-19 weekly prevalence  
(UTH mortuary)



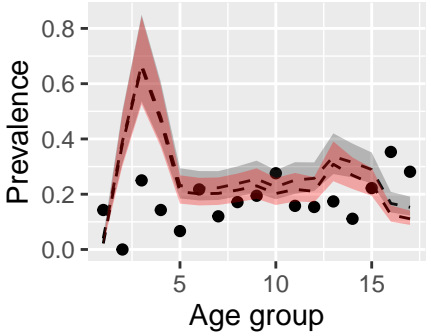
COVID-19 weekly positive tests  
(UTH mortuary)



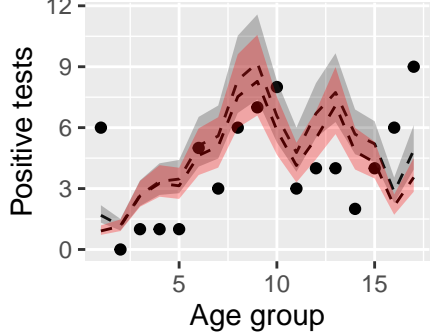
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.5



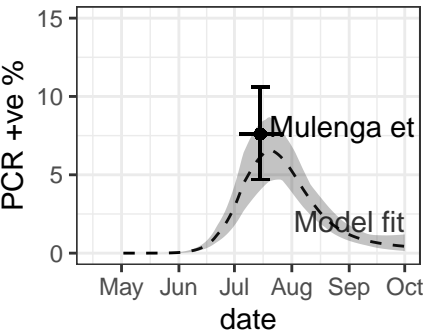
COVID-19 prevalence by age  
(UTH mortuary)



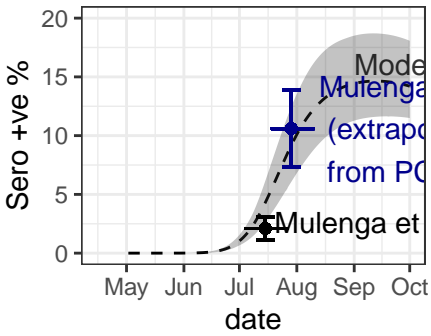
COVID-19 positive tests by age  
(UTH mortuary)



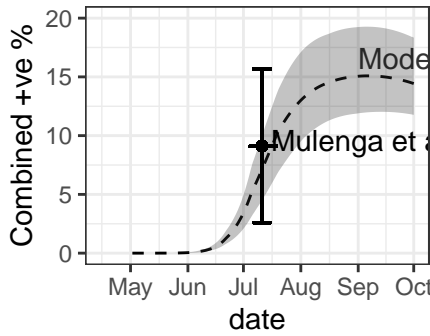
PCR prevalence  
binom II = -10.7



Seroprevalence  
binom II = -23.9

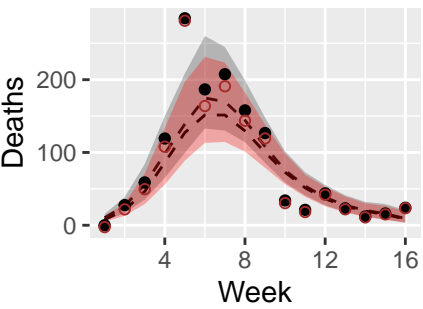


Combined prevalence  
binom II = -5.3

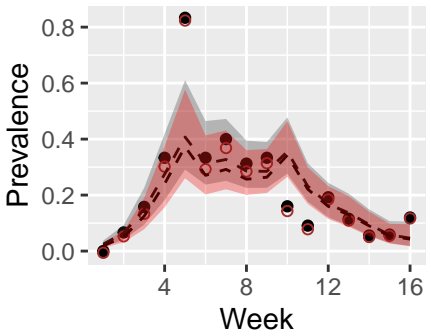


IFR x 1.8, Slope x 0.6

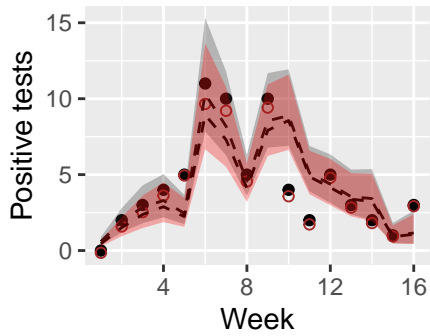
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



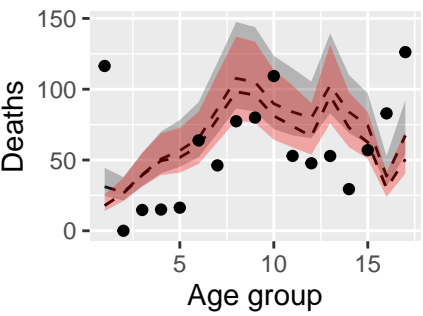
COVID-19 weekly prevalence  
(UTH mortuary)



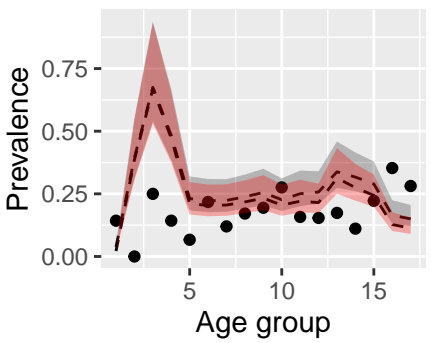
COVID-19 weekly positive tests  
(UTH mortuary)



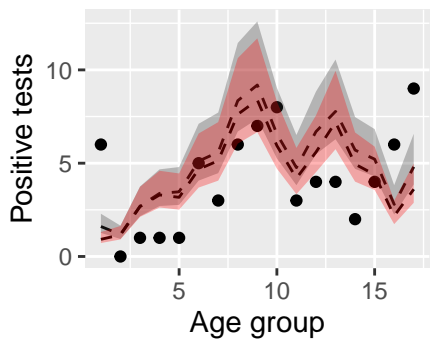
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.9



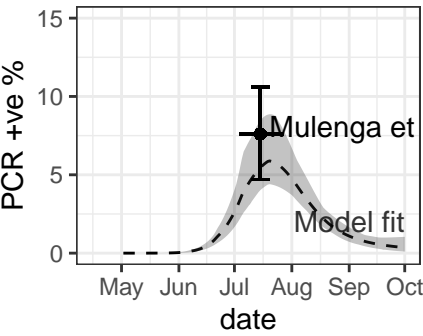
COVID-19 prevalence by age  
(UTH mortuary)



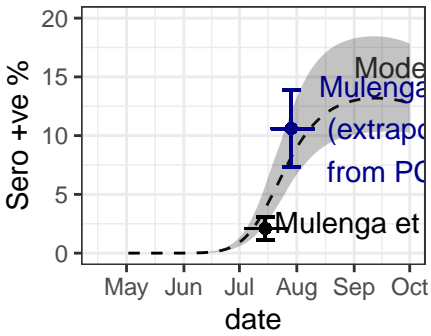
COVID-19 positive tests by age  
(UTH mortuary)



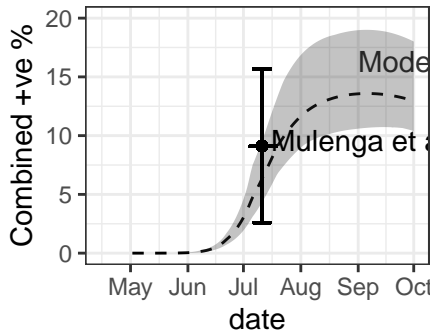
PCR prevalence  
binom II = -17.9



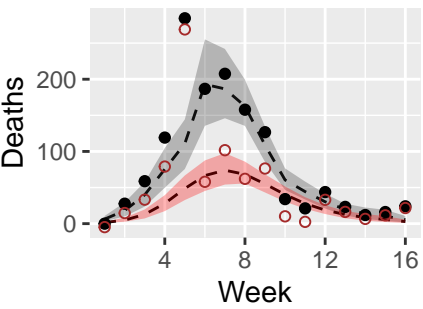
Seroprevalence  
binom II = -17.2



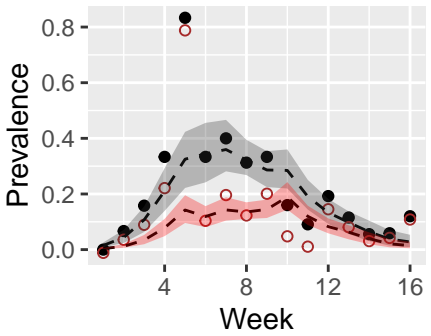
Combined prevalence  
binom II = -6.3



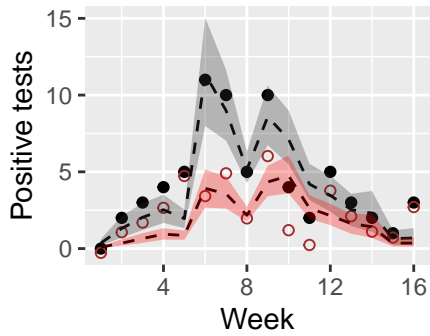
COVID-19 weekly deaths  
(Lusaka)  
nbins = 32



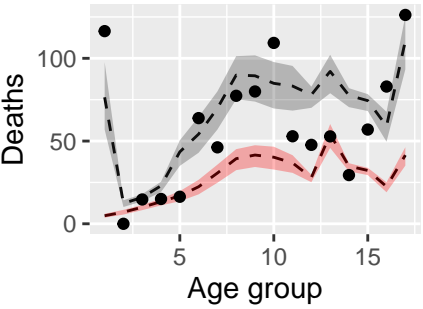
COVID-19 weekly prevalence  
(UTH mortuary)



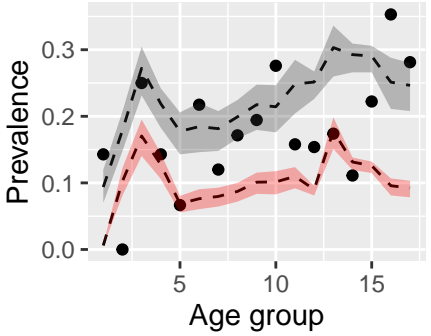
COVID-19 weekly positive tests  
(UTH mortuary)



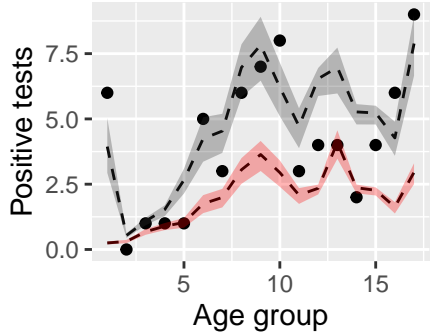
COVID-19 deaths by age  
(Lusaka)  
multinomial = -27.7



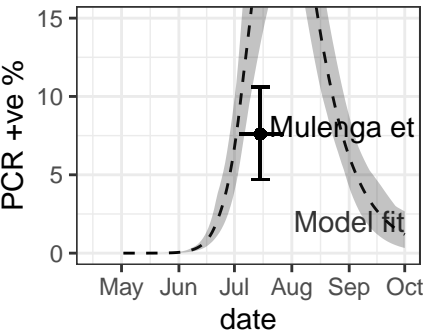
COVID-19 prevalence by age  
(UTH mortuary)



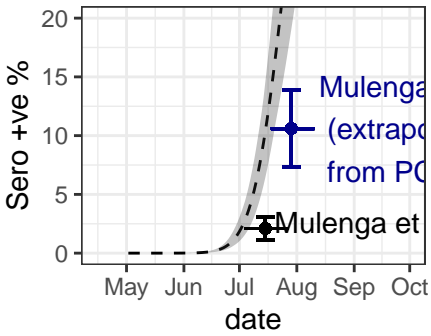
COVID-19 positive tests by age  
(UTH mortuary)



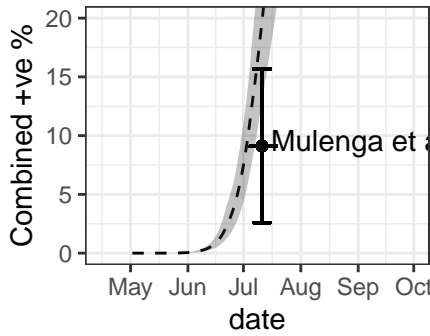
PCR prevalence  
binomial = -196.1



Seroprevalence  
binomial = -148.8

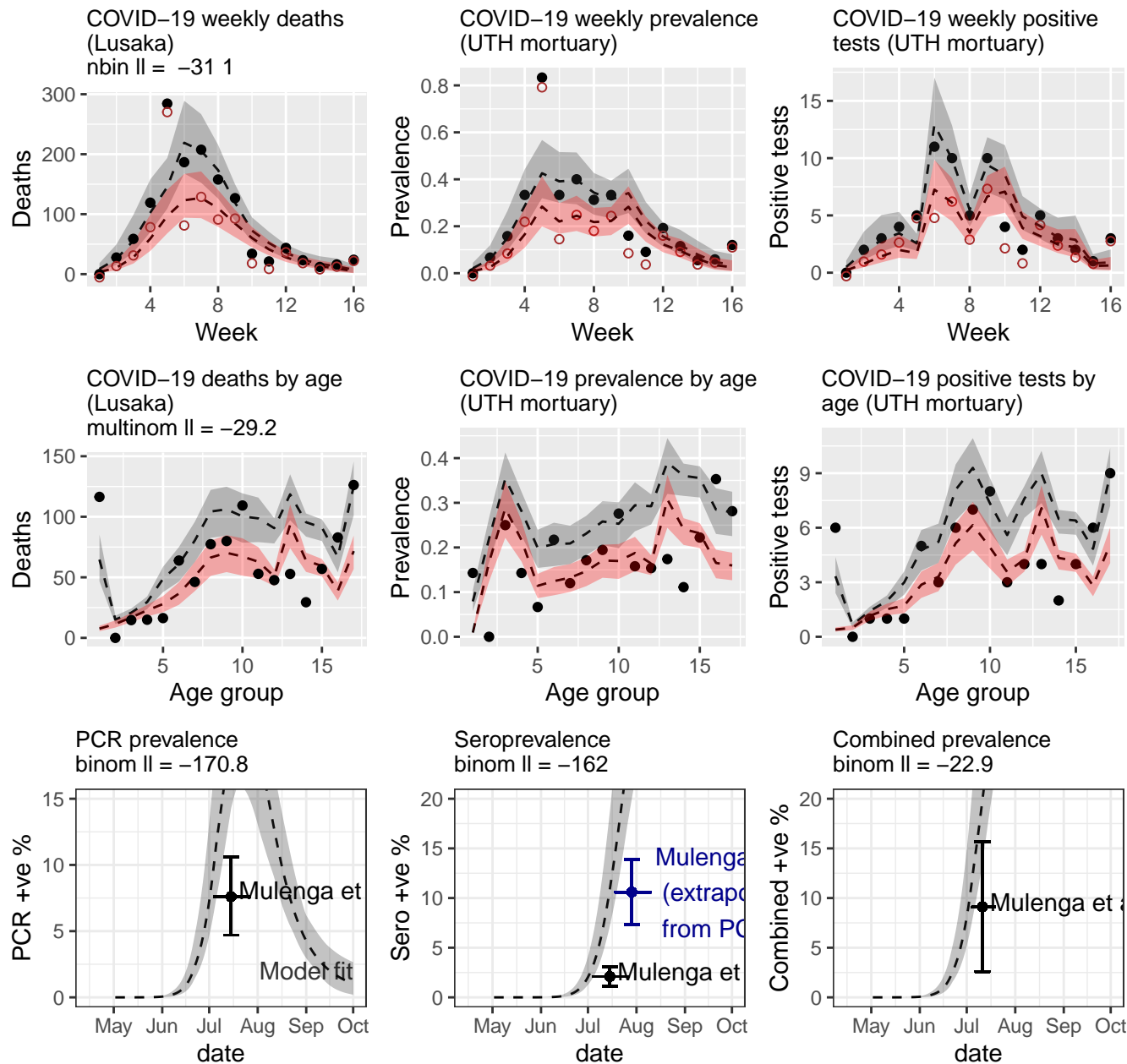


Combined prevalence  
binomial = -24.6

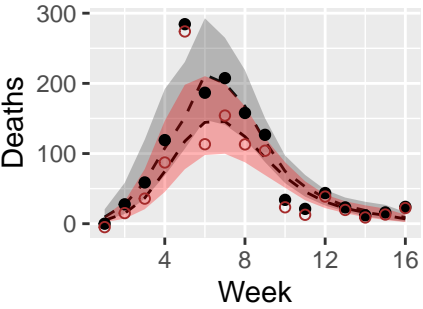




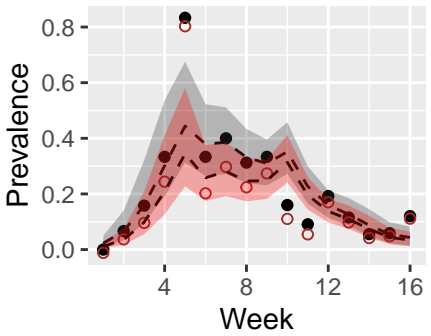
IFR x 0.4, Slope x 0.8



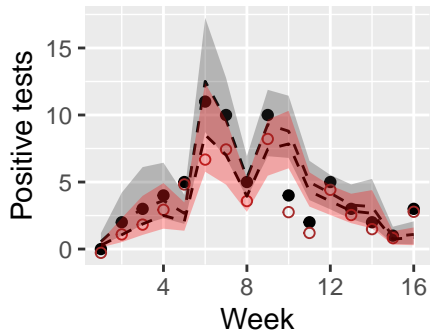
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



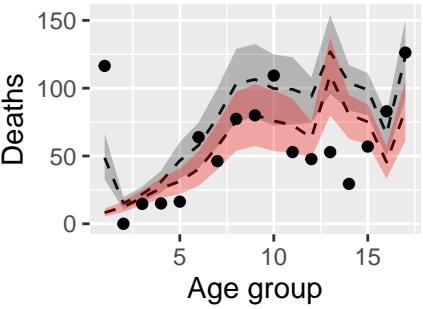
COVID-19 weekly prevalence  
(UTH mortuary)



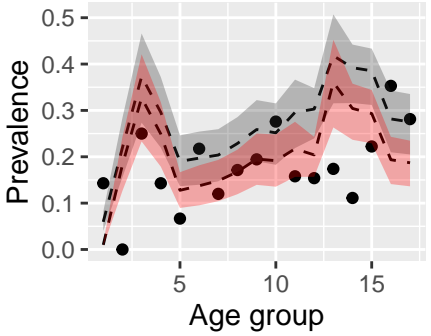
COVID-19 weekly positive tests  
(UTH mortuary)



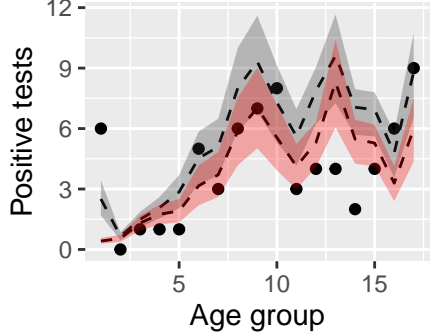
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31



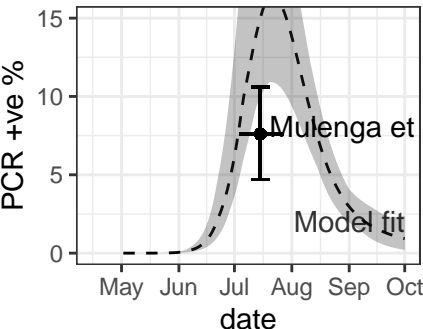
COVID-19 prevalence by age  
(UTH mortuary)



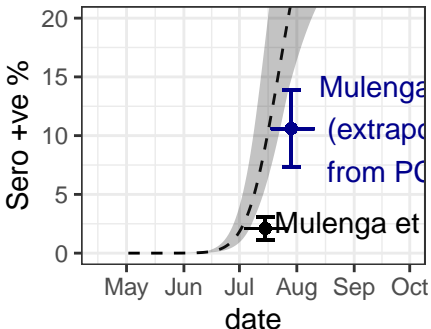
COVID-19 positive tests by age  
(UTH mortuary)



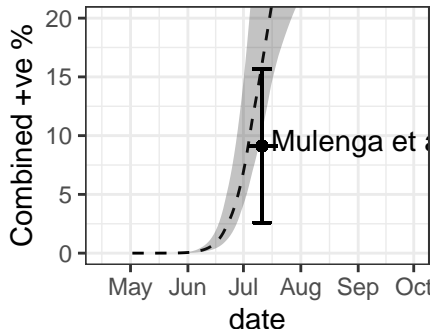
PCR prevalence  
binom II = -84.3



Seroprevalence  
binom II = -119.9

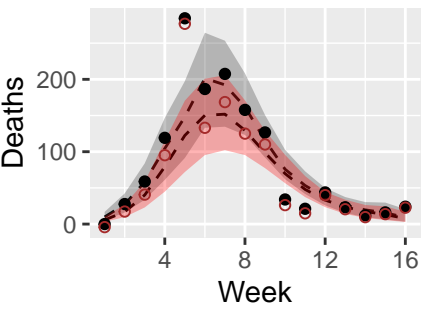


Combined prevalence  
binom II = -13.7

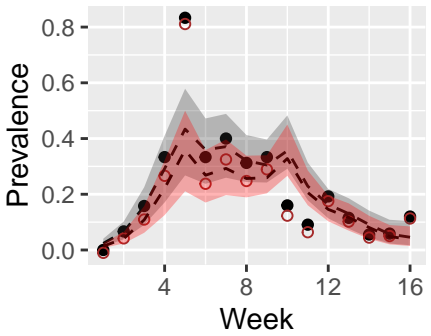


IFR x 0.8, Slope x 0.8

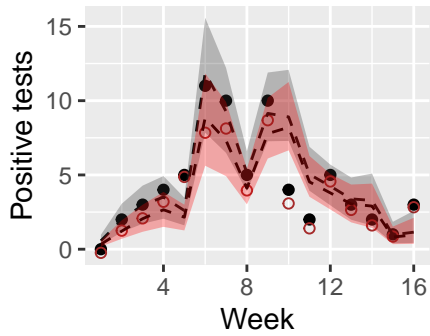
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



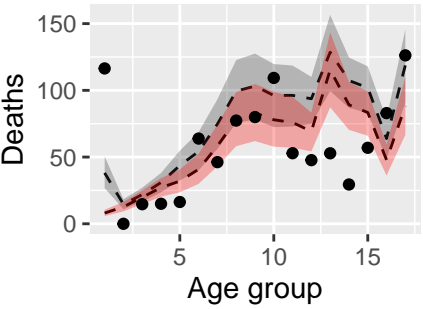
COVID-19 weekly prevalence  
(UTH mortuary)



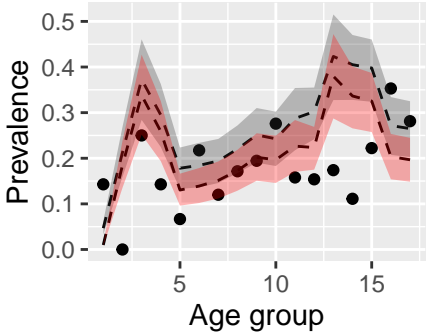
COVID-19 weekly positive tests  
(UTH mortuary)



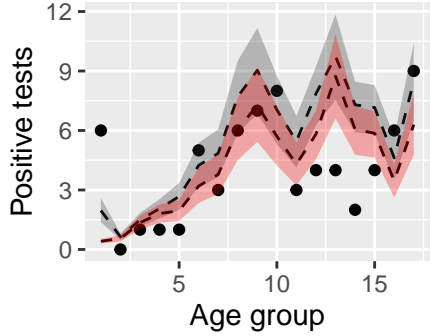
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.5



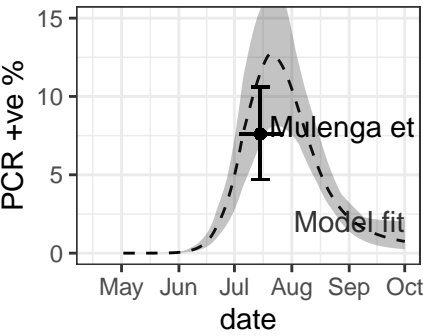
COVID-19 prevalence by age  
(UTH mortuary)



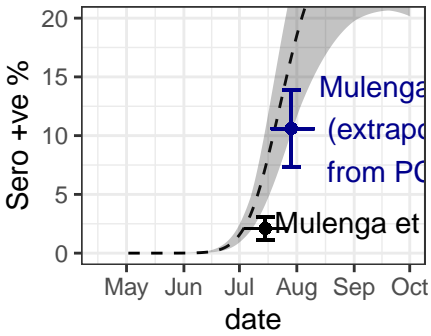
COVID-19 positive tests by age  
(UTH mortuary)



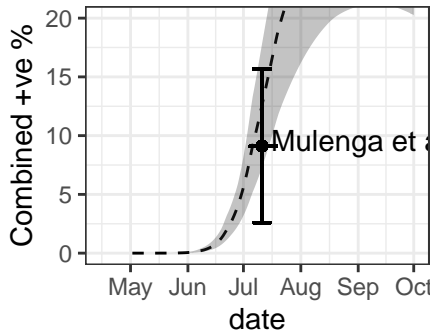
PCR prevalence  
binom II = -31.9



Seroprevalence  
binom II = -78.4

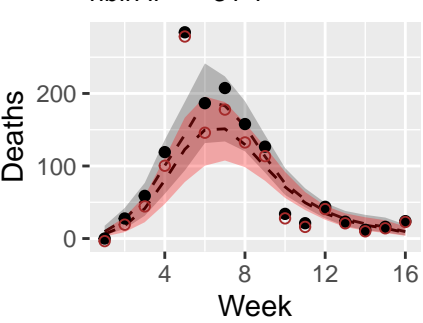


Combined prevalence  
binom II = -7.7

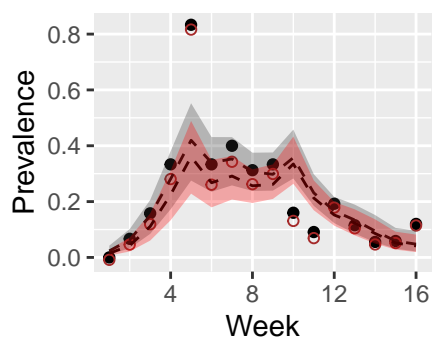


IFR x 1, Slope x 0.8

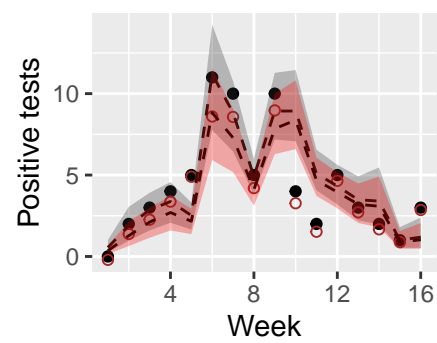
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



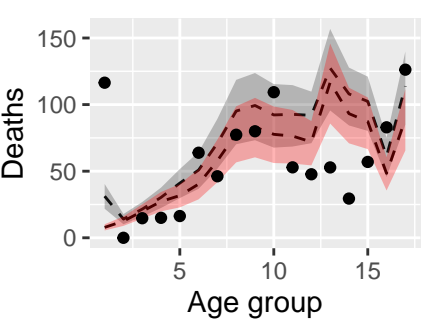
COVID-19 weekly prevalence  
(UTH mortuary)



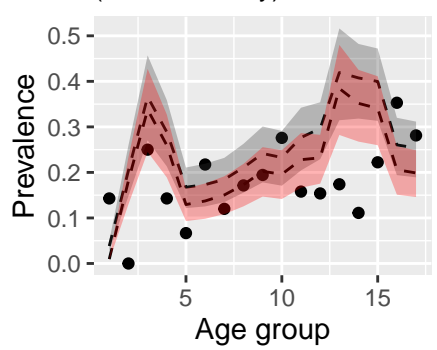
COVID-19 weekly positive tests  
(UTH mortuary)



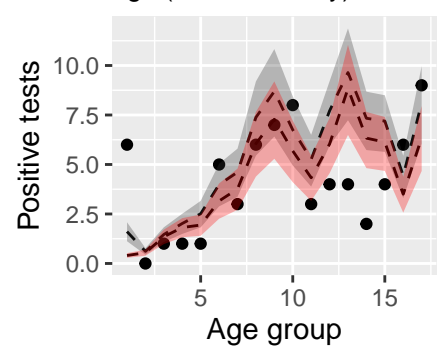
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.7



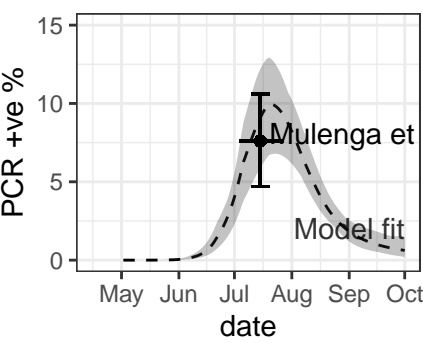
COVID-19 prevalence by age  
(UTH mortuary)



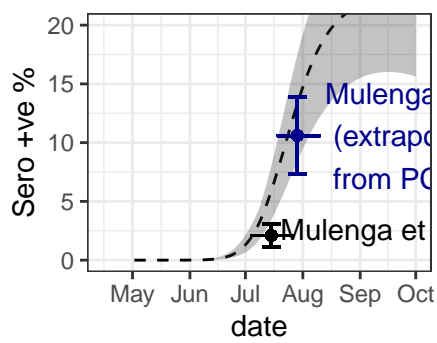
COVID-19 positive tests by age  
(UTH mortuary)



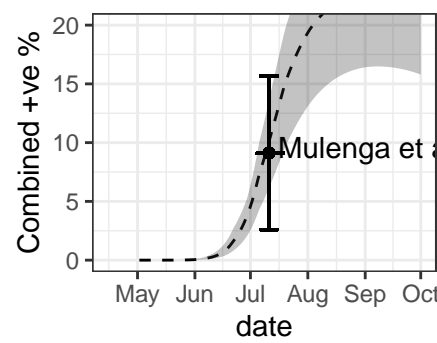
PCR prevalence  
binom II = -10.4



Seroprevalence  
binom II = -51.2

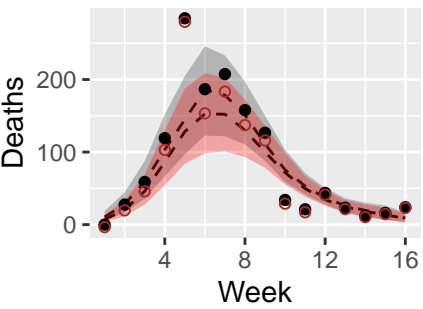


Combined prevalence  
binom II = -5.3

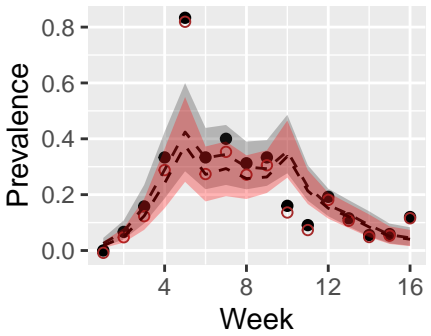


IFR x 1.2, Slope x 0.8

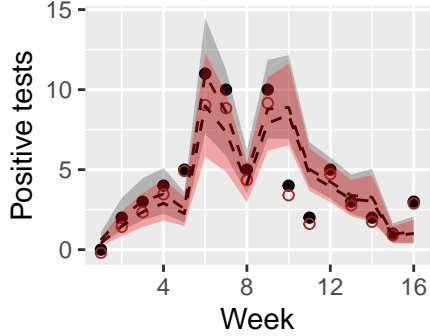
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



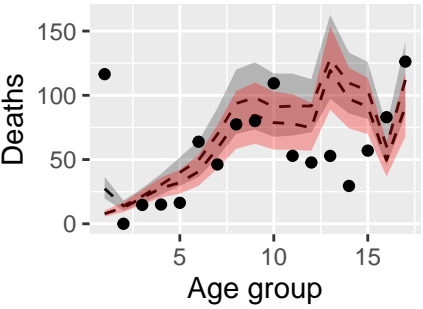
COVID-19 weekly prevalence  
(UTH mortuary)



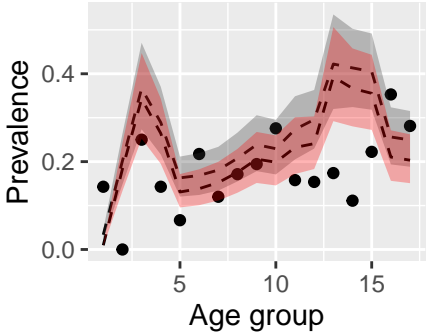
COVID-19 weekly positive tests  
(UTH mortuary)



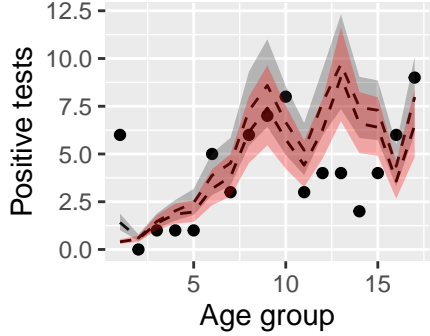
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.5



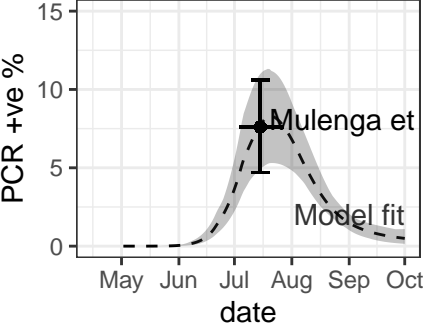
COVID-19 prevalence by age  
(UTH mortuary)



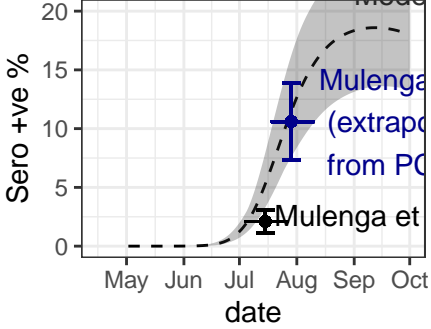
COVID-19 positive tests by age  
(UTH mortuary)



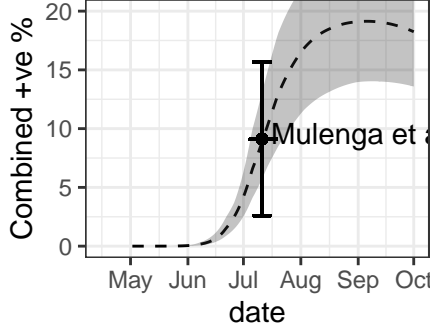
PCR prevalence  
binom II = -6.3



Seroprevalence  
binom II = -40.1

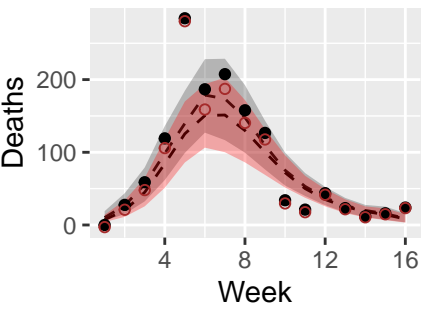


Combined prevalence  
binom II = -4.8

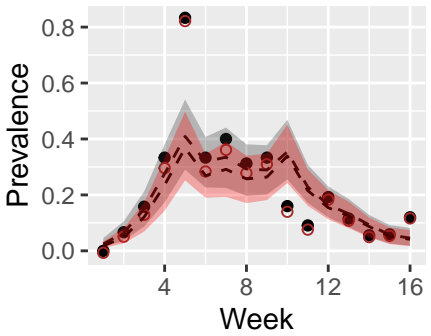


IFR x 1.4, Slope x 0.8

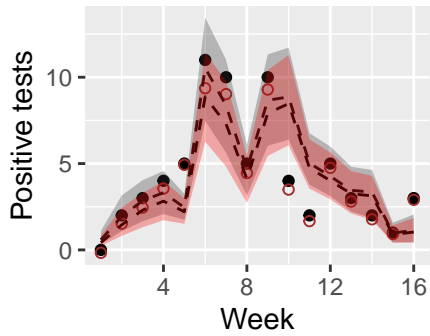
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



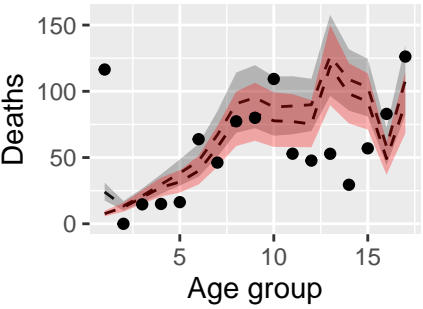
COVID-19 weekly prevalence  
(UTH mortuary)



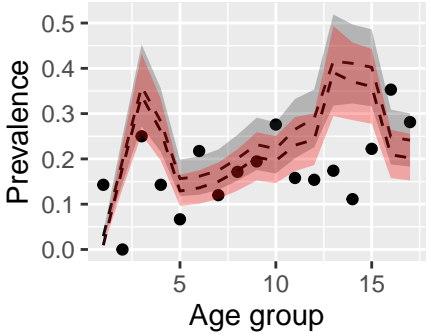
COVID-19 weekly positive tests  
(UTH mortuary)



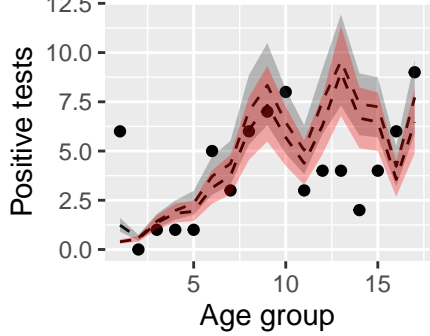
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.3



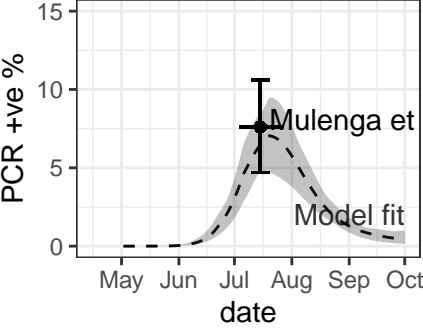
COVID-19 prevalence by age  
(UTH mortuary)



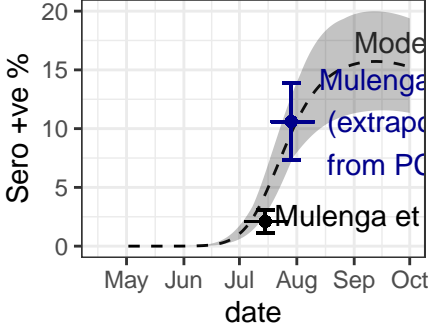
COVID-19 positive tests by age  
(UTH mortuary)



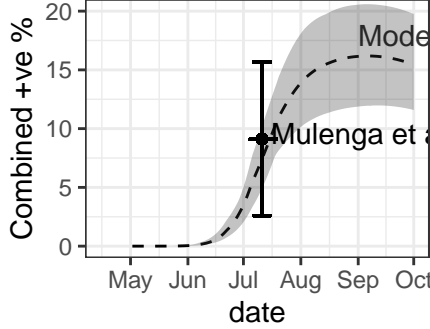
PCR prevalence  
binom II = -8.4



Seroprevalence  
binom II = -25.9

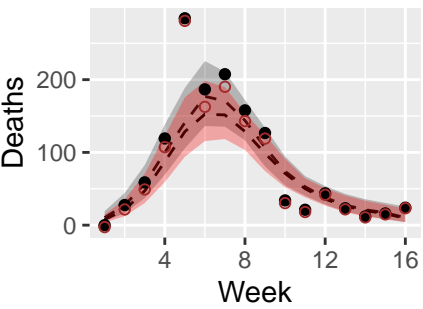


Combined prevalence  
binom II = -5.1

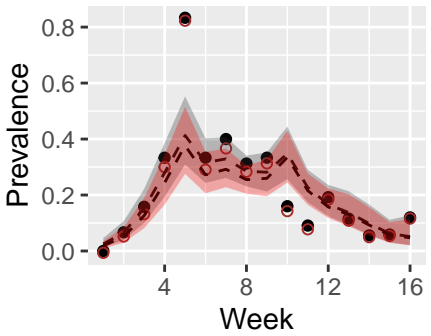


IFR x 1.6, Slope x 0.8

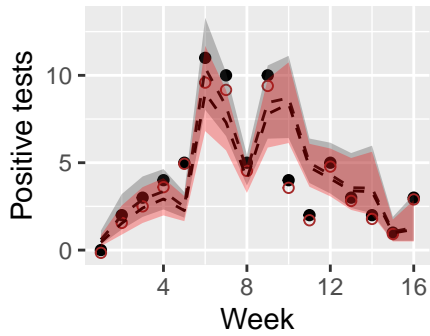
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



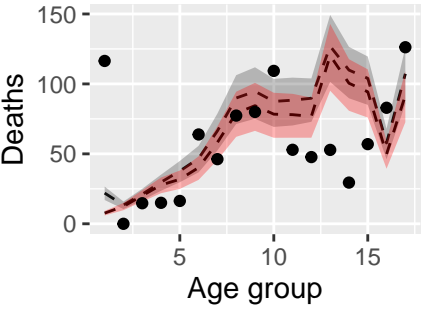
COVID-19 weekly prevalence  
(UTH mortuary)



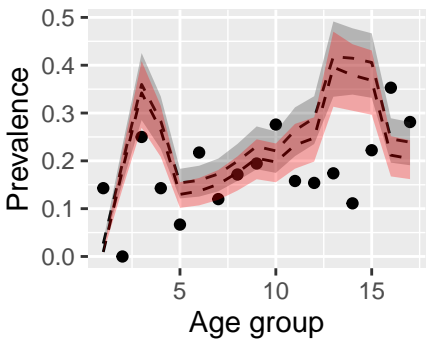
COVID-19 weekly positive tests  
(UTH mortuary)



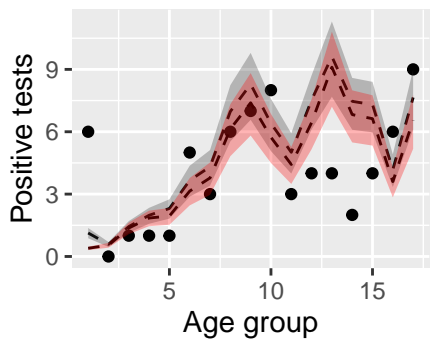
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.9



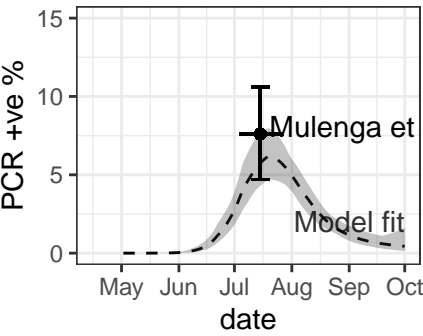
COVID-19 prevalence by age  
(UTH mortuary)



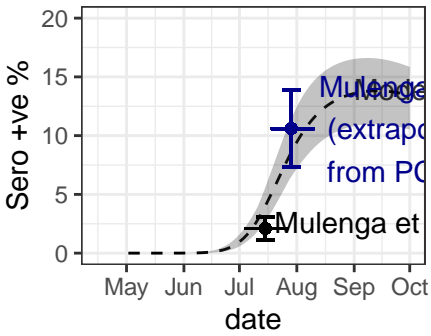
COVID-19 positive tests by age  
(UTH mortuary)



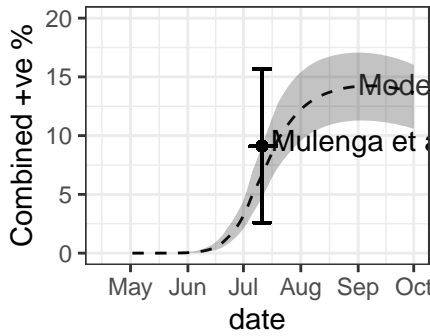
PCR prevalence  
binom II = -14.1



Seroprevalence  
binom II = -19.9

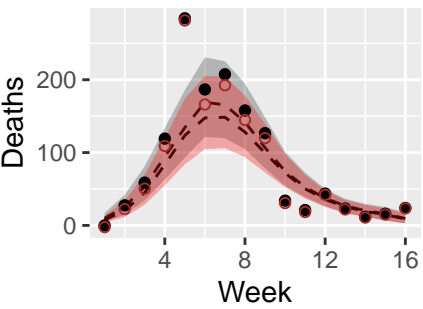


Combined prevalence  
binom II = -5.8

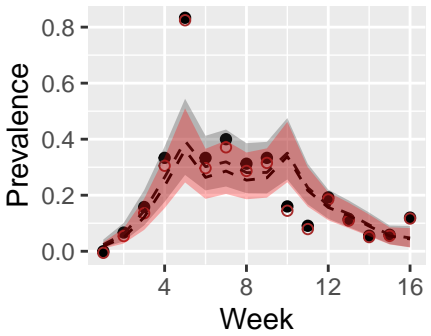


IFR x 1.8, Slope x 0.8

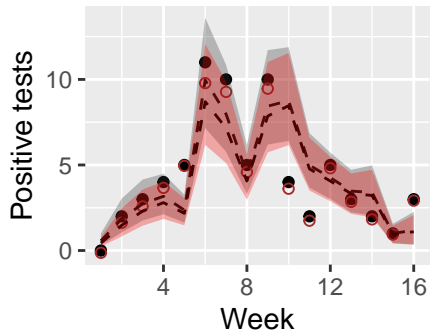
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -32.1



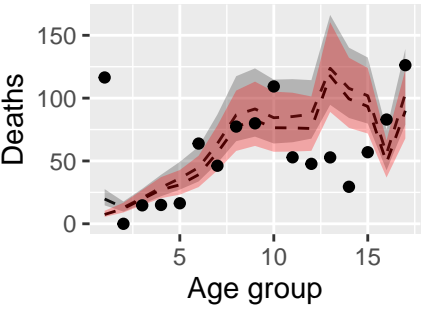
COVID-19 weekly prevalence  
(UTH mortuary)



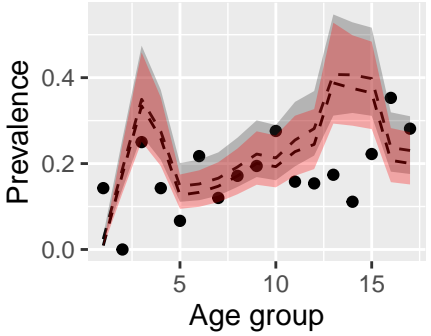
COVID-19 weekly positive tests  
(UTH mortuary)



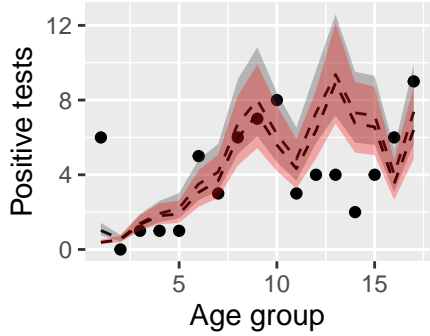
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.4



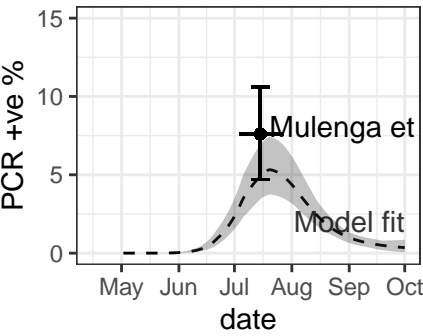
COVID-19 prevalence by age  
(UTH mortuary)



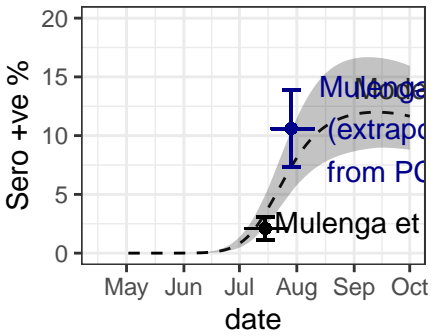
COVID-19 positive tests by age  
(UTH mortuary)



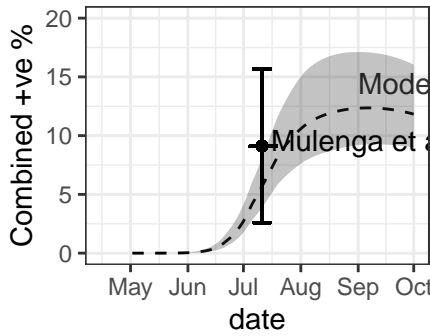
PCR prevalence  
binom II = -25.9



Seroprevalence  
binom II = -12.6



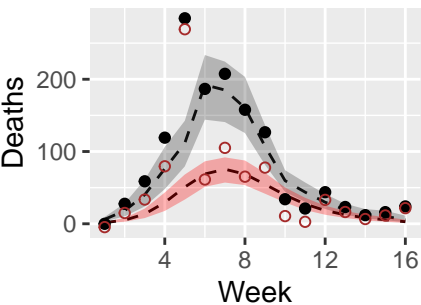
Combined prevalence  
binom II = -7.4



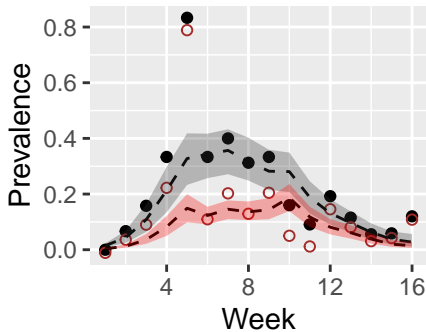


IFR x 0.2, Slope x 1

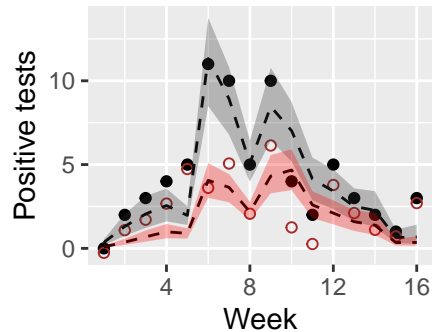
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -32.1



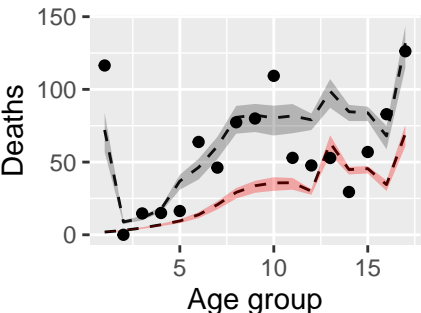
COVID-19 weekly prevalence  
(UTH mortuary)



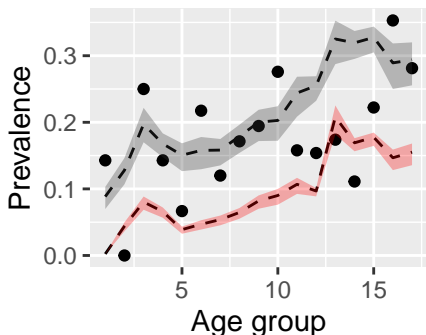
COVID-19 weekly positive tests  
(UTH mortuary)



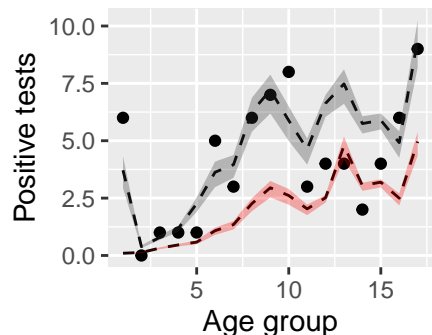
COVID-19 deaths by age  
(Lusaka)  
multinom II = -27.8



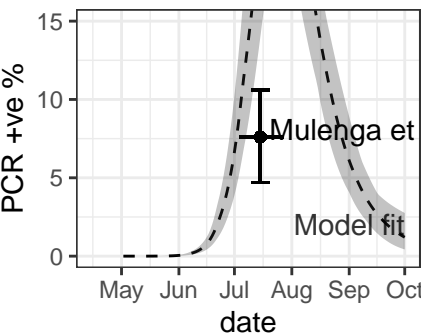
COVID-19 prevalence by age  
(UTH mortuary)



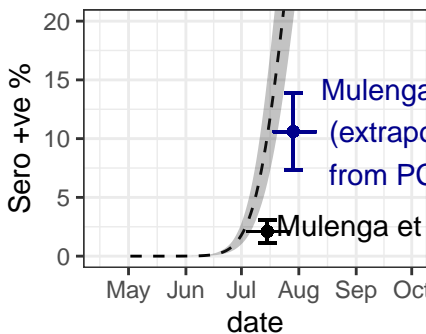
COVID-19 positive tests by age  
(UTH mortuary)



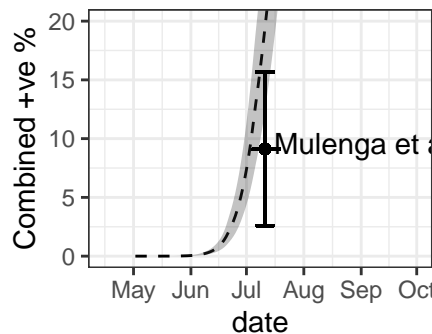
PCR prevalence  
binom II = -188.3



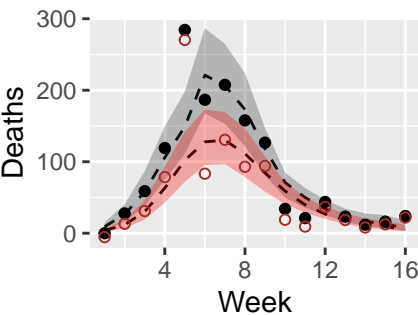
Seroprevalence  
binom II = -145.4



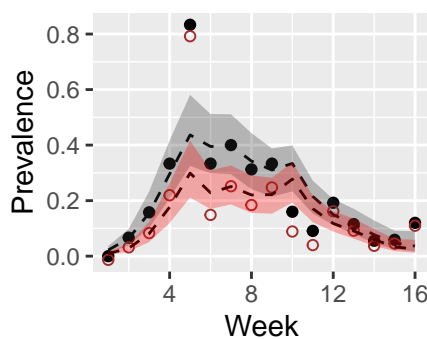
Combined prevalence  
binom II = -23.7



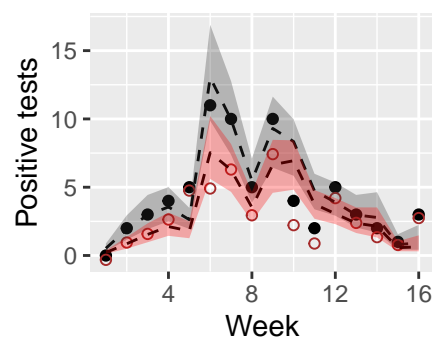
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



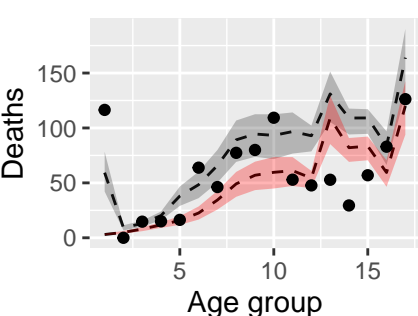
COVID-19 weekly prevalence  
(UTH mortuary)



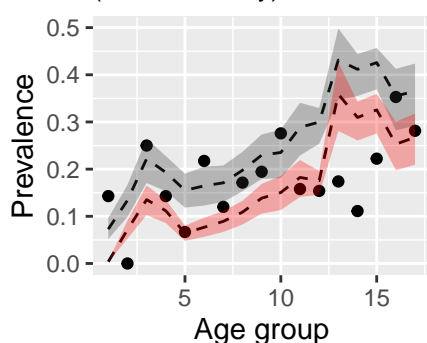
COVID-19 weekly positive tests  
(UTH mortuary)



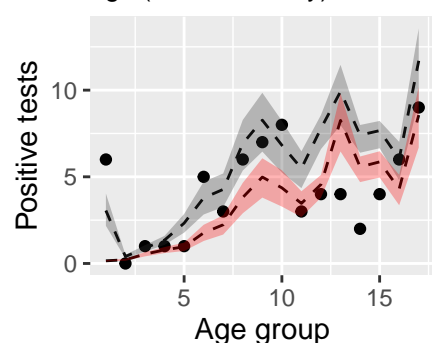
COVID-19 deaths by age  
(Lusaka)  
multinom II = -29.9



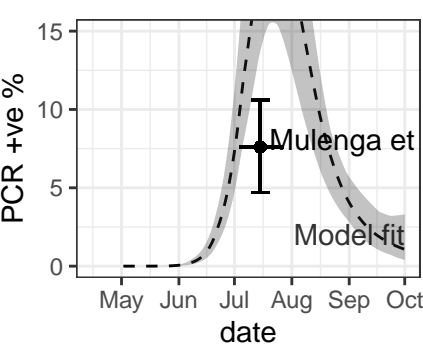
COVID-19 prevalence by age  
(UTH mortuary)



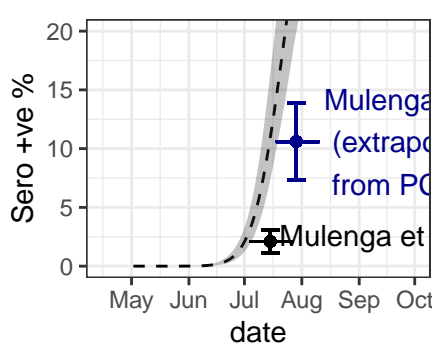
COVID-19 positive tests by age  
(UTH mortuary)



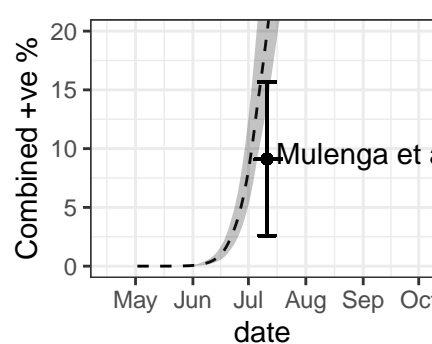
PCR prevalence  
binom II = -167.1



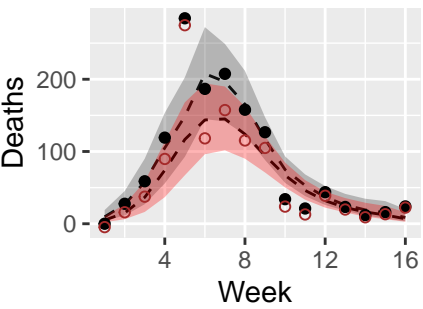
Seroprevalence  
binom II = -163.3



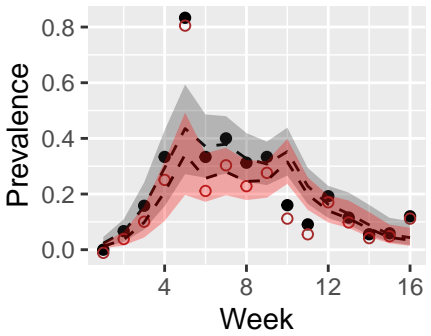
Combined prevalence  
binom II = -22.6



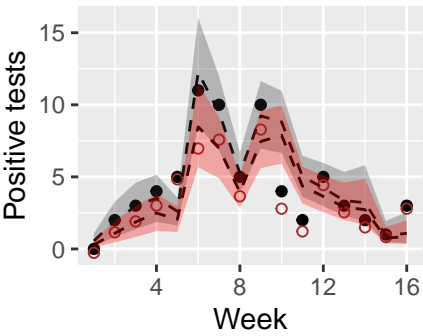
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



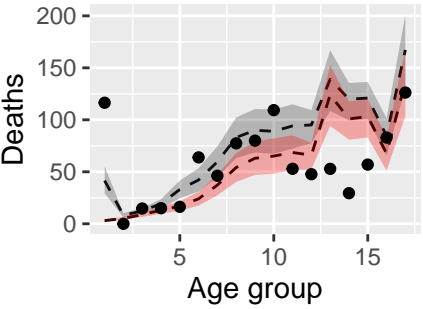
COVID-19 weekly prevalence  
(UTH mortuary)



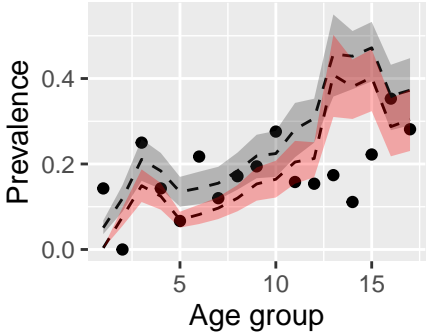
COVID-19 weekly positive tests  
(UTH mortuary)



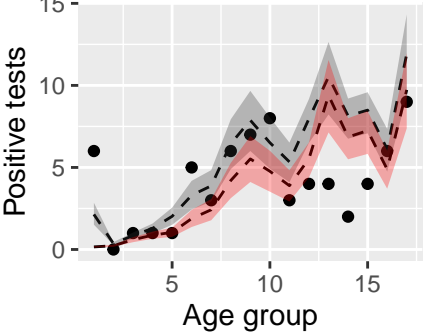
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.6



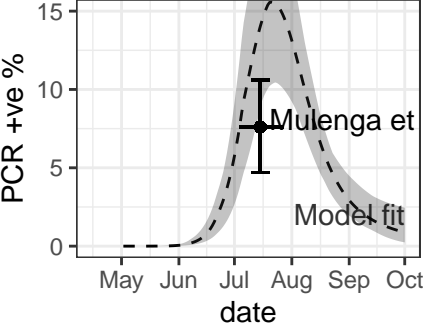
COVID-19 prevalence by age  
(UTH mortuary)



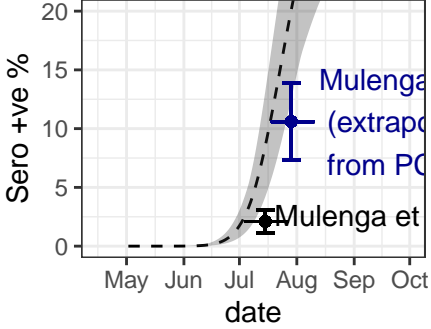
COVID-19 positive tests by age  
(UTH mortuary)



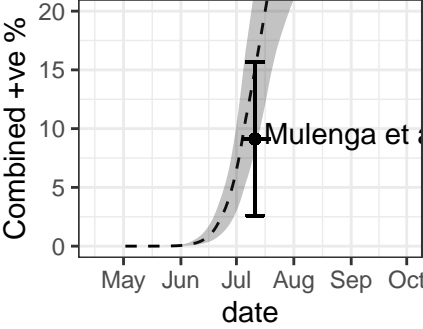
PCR prevalence  
binom II = -68.8



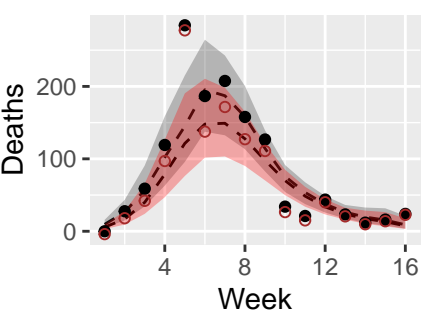
Seroprevalence  
binom II = -106.5



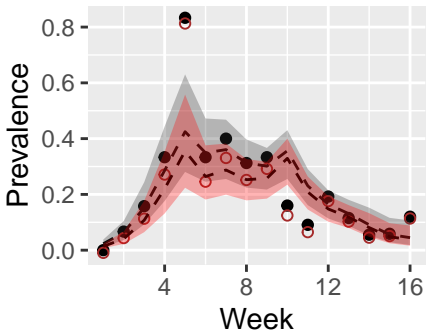
Combined prevalence  
binom II = -11.9



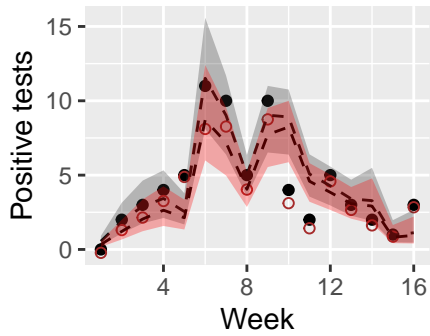
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



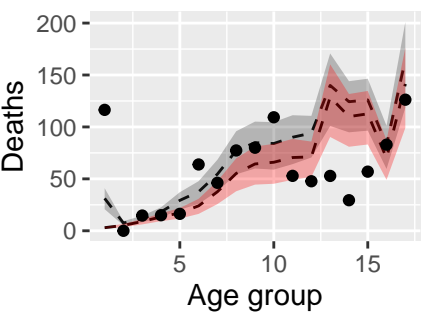
COVID-19 weekly prevalence  
(UTH mortuary)



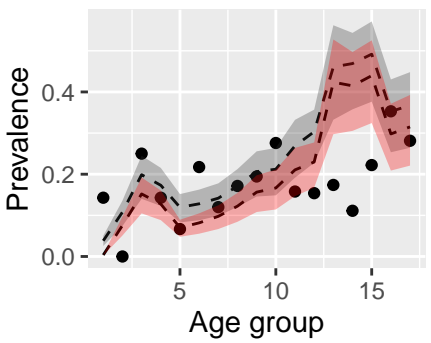
COVID-19 weekly positive tests  
(UTH mortuary)



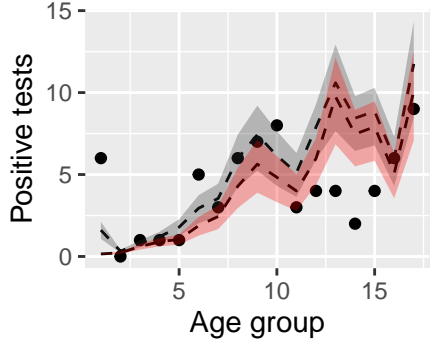
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.8



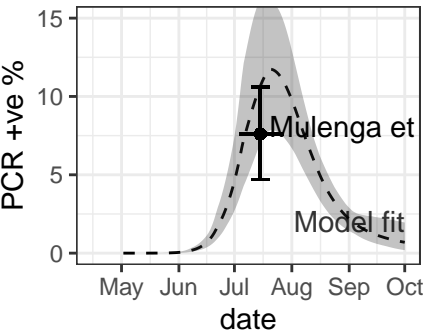
COVID-19 prevalence by age  
(UTH mortuary)



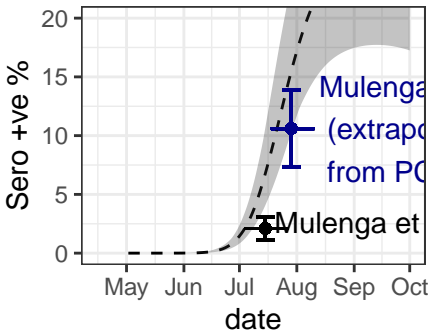
COVID-19 positive tests by age  
(UTH mortuary)



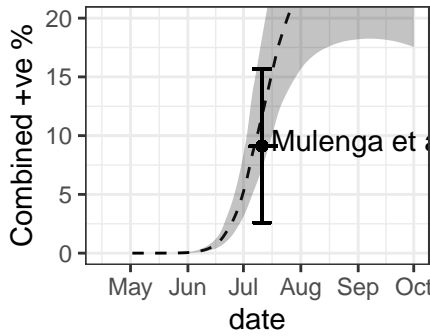
PCR prevalence  
binom II = -23.8



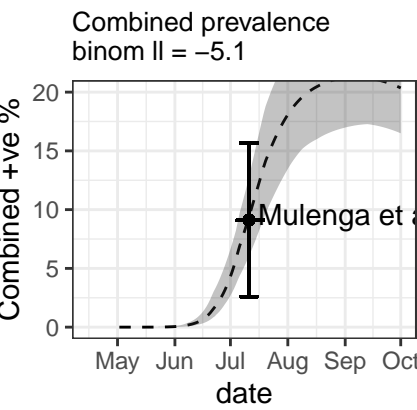
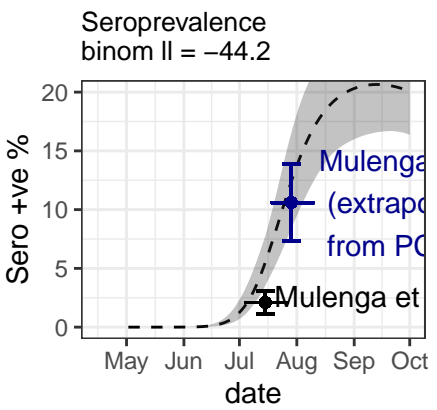
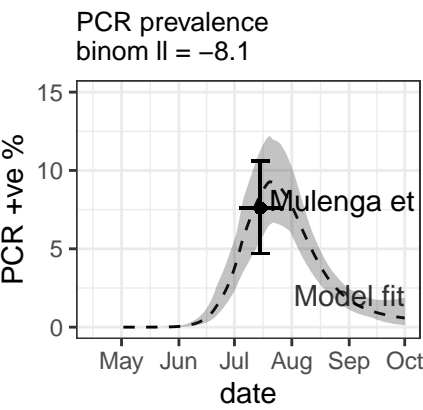
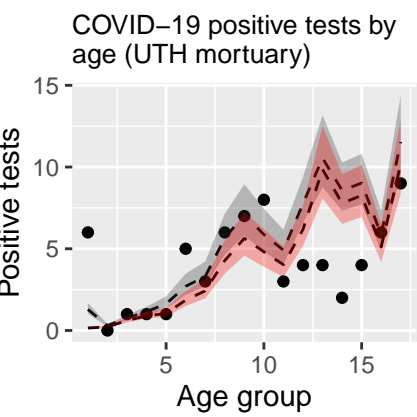
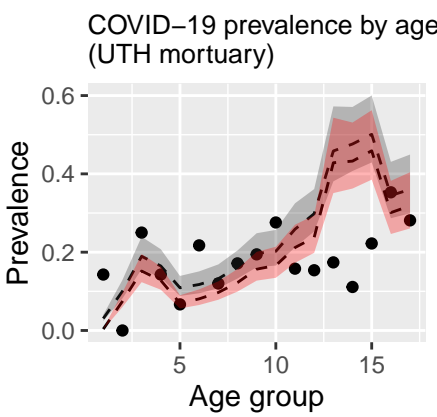
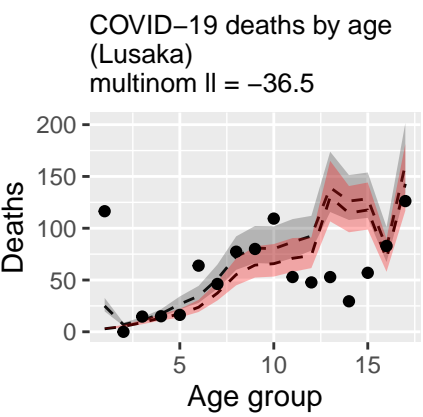
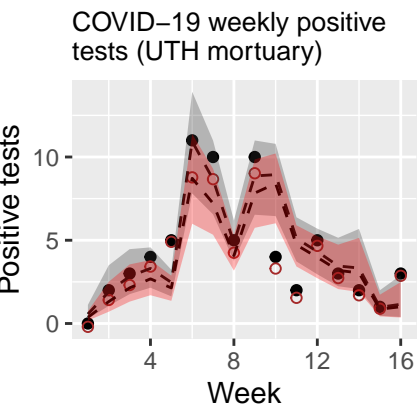
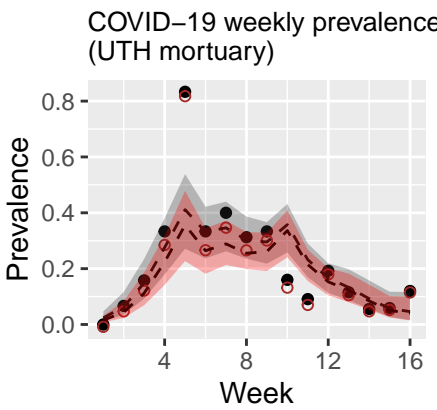
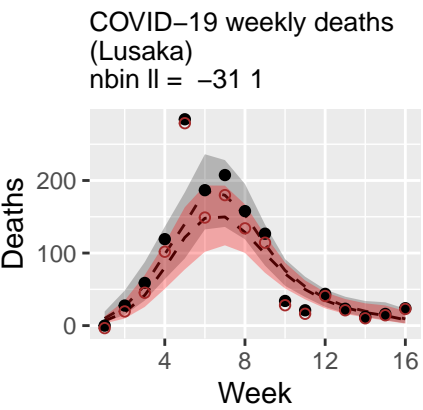
Seroprevalence  
binom II = -68.4



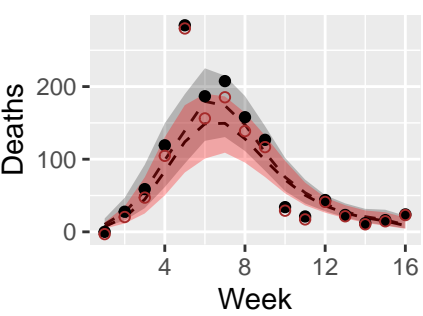
Combined prevalence  
binom II = -6.8



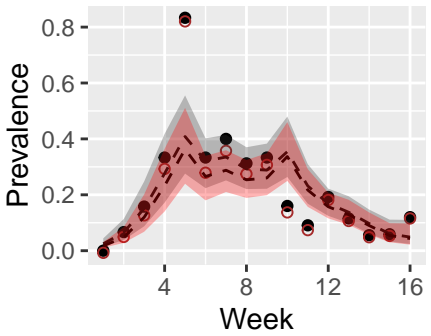
IFR x 1, Slope x 1



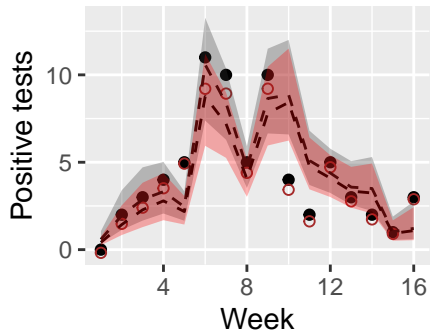
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



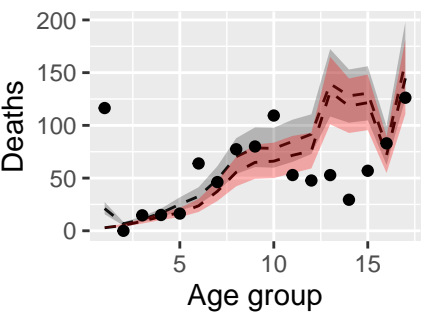
COVID-19 weekly prevalence  
(UTH mortuary)



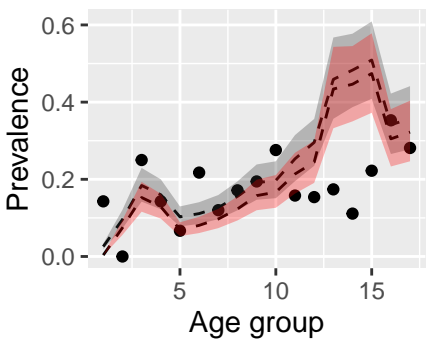
COVID-19 weekly positive tests  
(UTH mortuary)



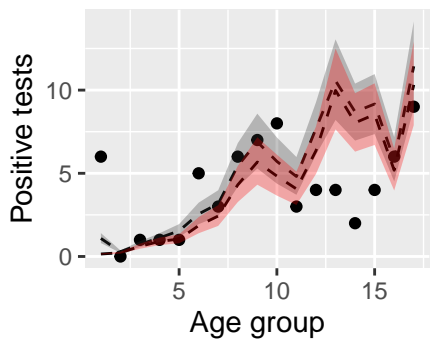
COVID-19 deaths by age  
(Lusaka)  
multinom II = -37.8



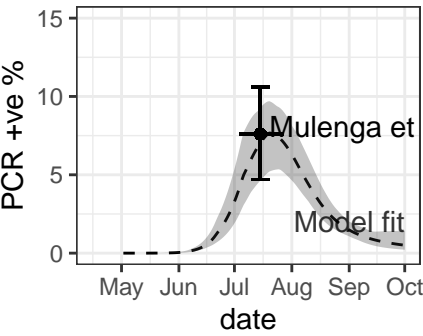
COVID-19 prevalence by age  
(UTH mortuary)



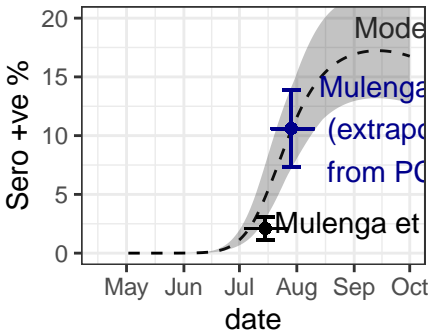
COVID-19 positive tests by age  
(UTH mortuary)



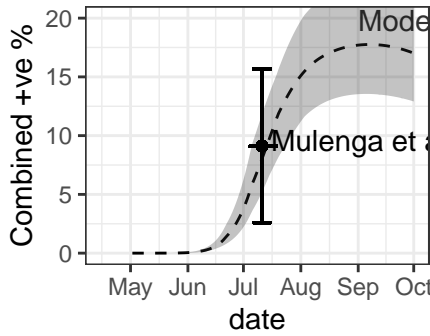
PCR prevalence  
binom II = -6.5



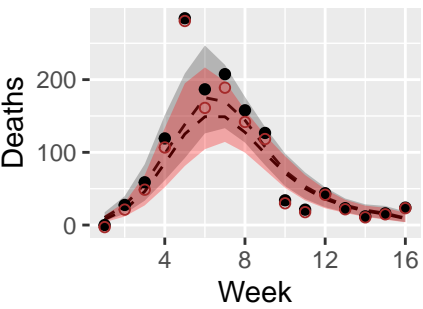
Seroprevalence  
binom II = -31.5



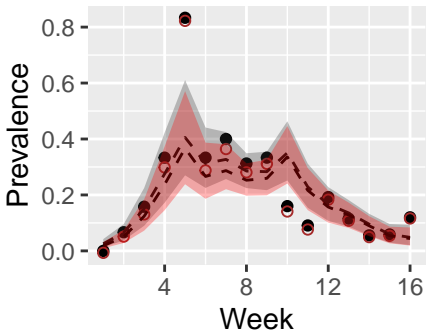
Combined prevalence  
binom II = -4.9



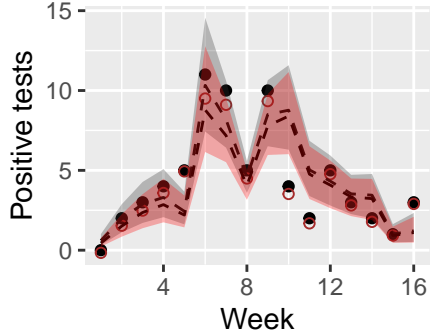
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



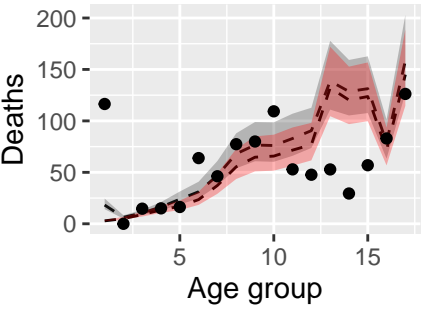
COVID-19 weekly prevalence  
(UTH mortuary)



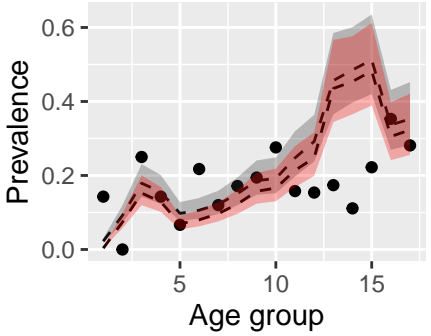
COVID-19 weekly positive tests  
(UTH mortuary)



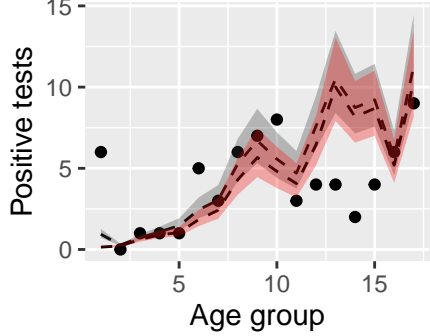
COVID-19 deaths by age  
(Lusaka)  
multinom II = -38.8



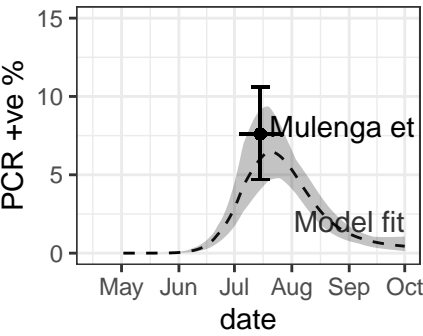
COVID-19 prevalence by age  
(UTH mortuary)



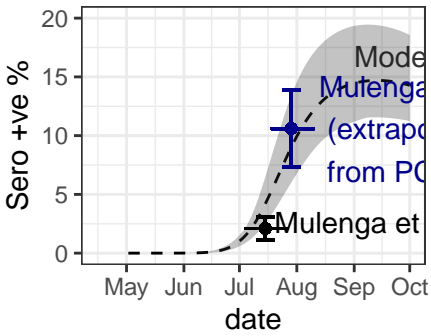
COVID-19 positive tests by age  
(UTH mortuary)



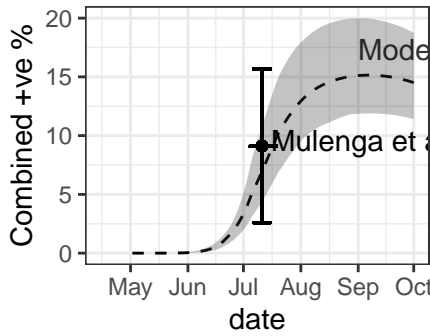
PCR prevalence  
binom II = -11.6



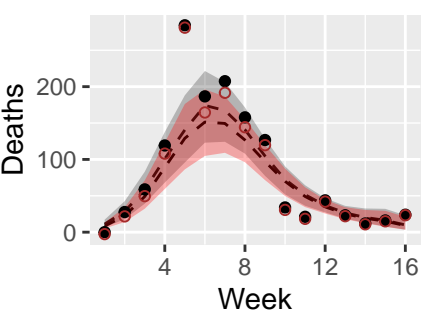
Seroprevalence  
binom II = -22.4



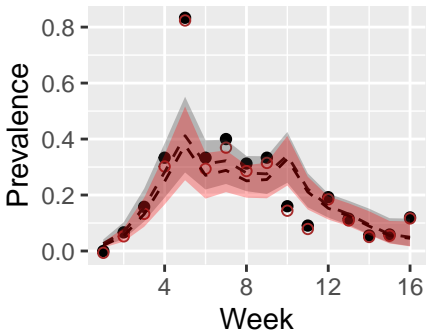
Combined prevalence  
binom II = -5.5



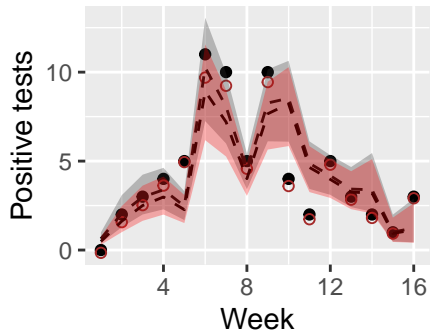
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



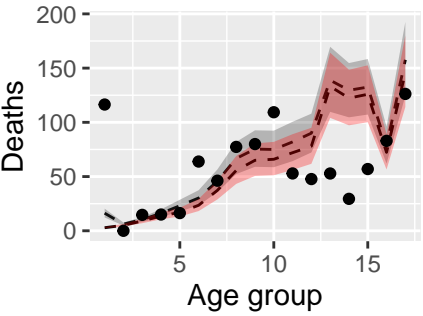
COVID-19 weekly prevalence  
(UTH mortuary)



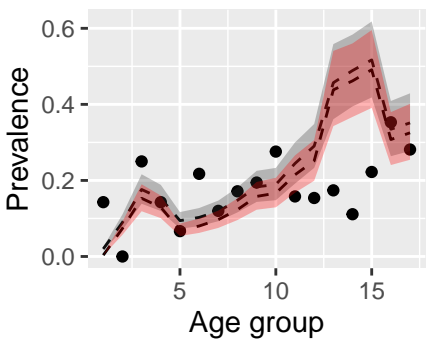
COVID-19 weekly positive tests  
(UTH mortuary)



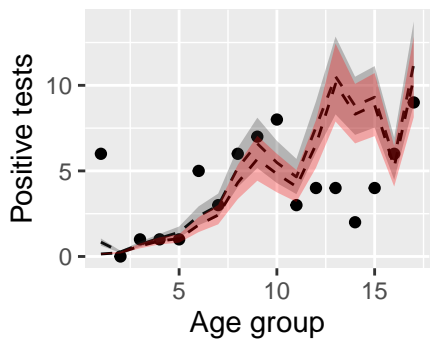
COVID-19 deaths by age  
(Lusaka)  
multinom = 39.7



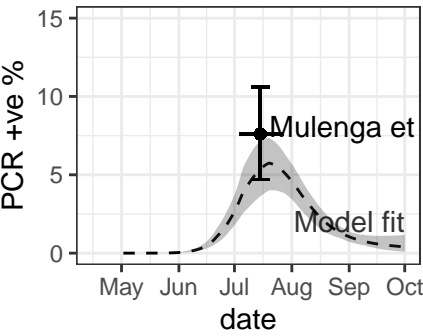
COVID-19 prevalence by age  
(UTH mortuary)



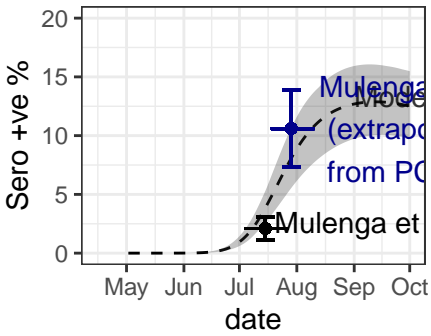
COVID-19 positive tests by age  
(UTH mortuary)



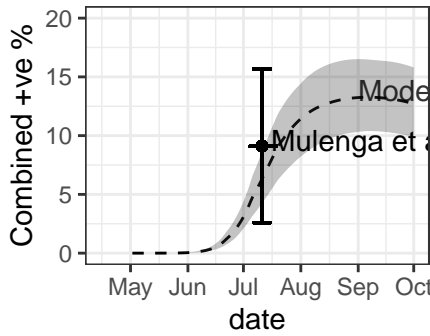
PCR prevalence  
binom = 18.5



Seroprevalence  
binom = 17.5

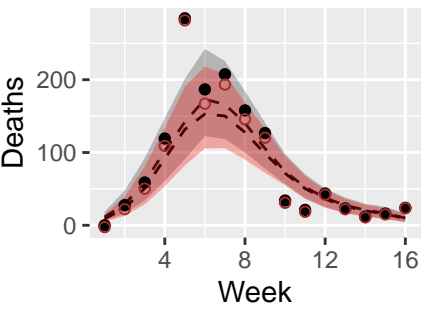


Combined prevalence  
binom = 6.1

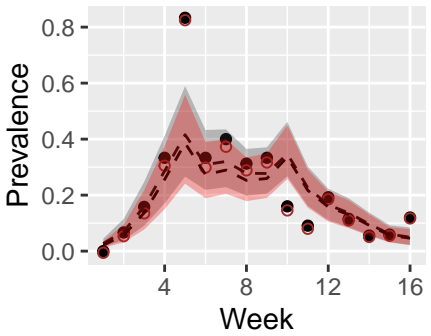




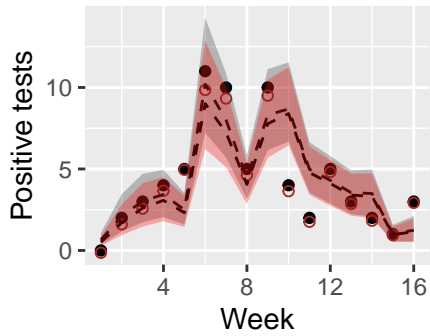
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



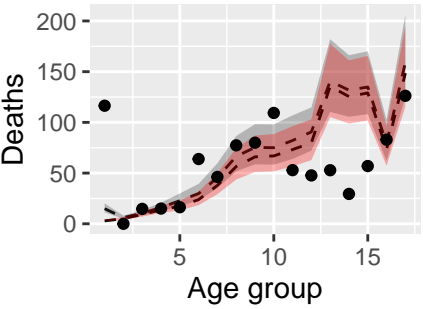
COVID-19 weekly prevalence  
(UTH mortuary)



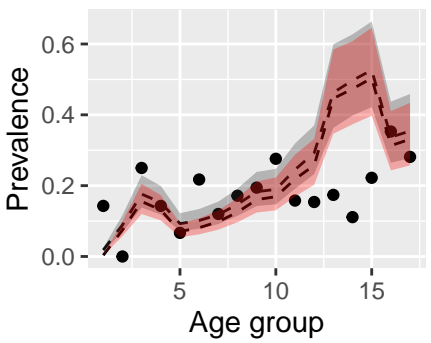
COVID-19 weekly positive tests  
(UTH mortuary)



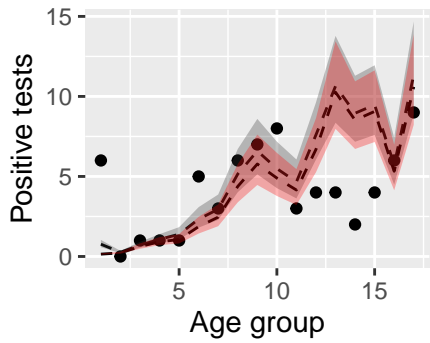
COVID-19 deaths by age  
(Lusaka)  
multinom = 40.4



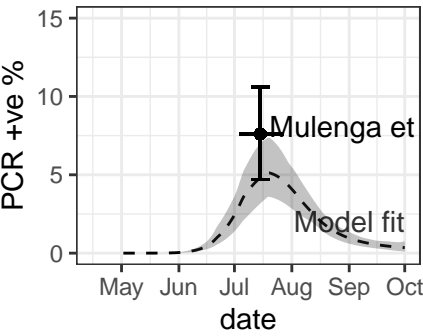
COVID-19 prevalence by age  
(UTH mortuary)



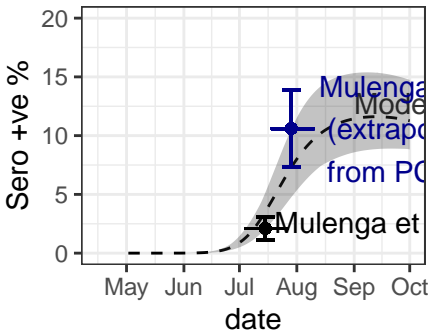
COVID-19 positive tests by age  
(UTH mortuary)



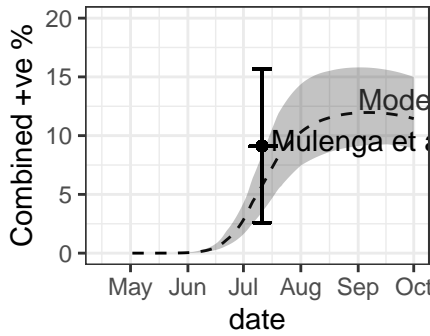
PCR prevalence  
binom = 27.1



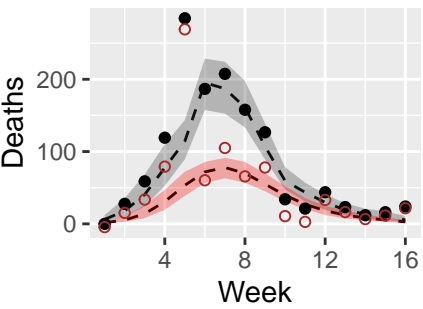
Seroprevalence  
binom = 13.7



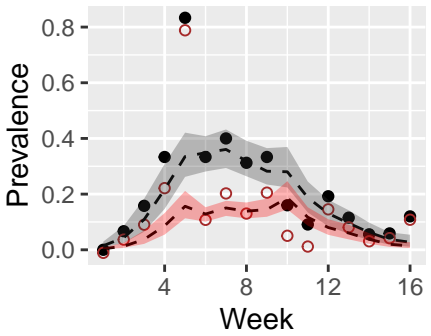
Combined prevalence  
binom = 7.1



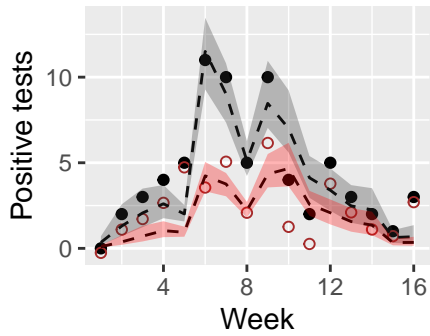
COVID-19 weekly deaths  
(Lusaka)  
nbins = 32



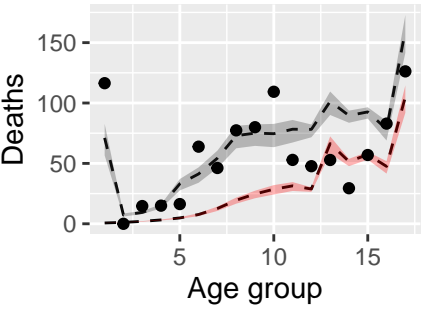
COVID-19 weekly prevalence  
(UTH mortuary)



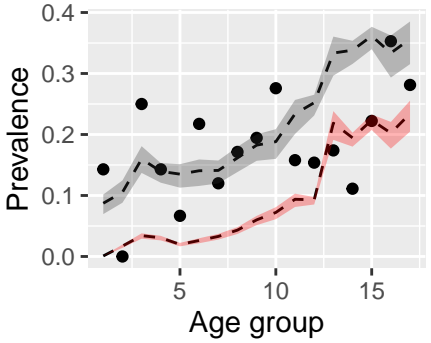
COVID-19 weekly positive tests  
(UTH mortuary)



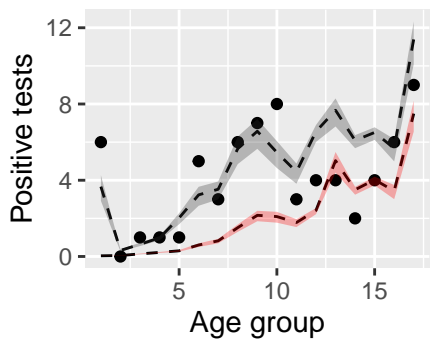
COVID-19 deaths by age  
(Lusaka)  
multinomial = -28.6



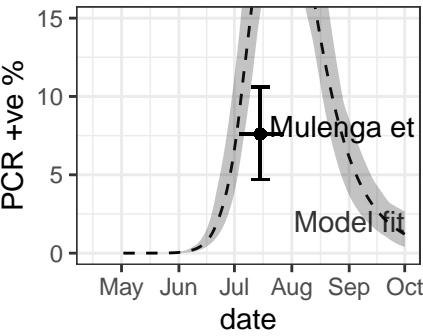
COVID-19 prevalence by age  
(UTH mortuary)



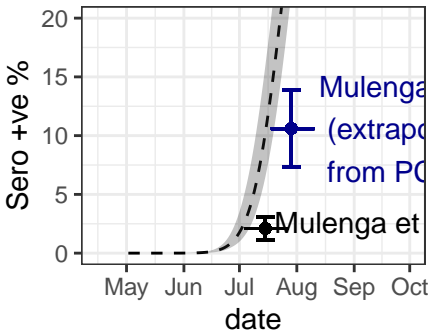
COVID-19 positive tests by age  
(UTH mortuary)



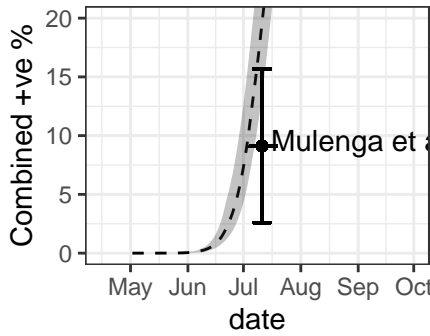
PCR prevalence  
binomial = -192.3



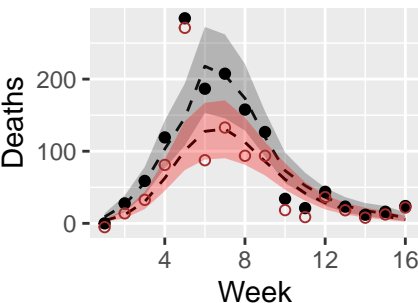
Seroprevalence  
binomial = -145.6



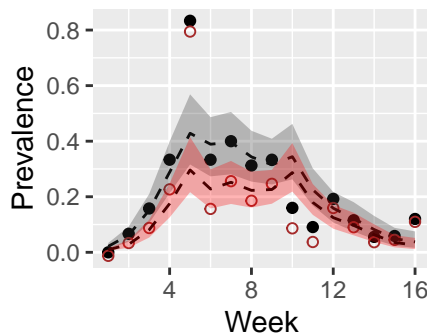
Combined prevalence  
binomial = -24



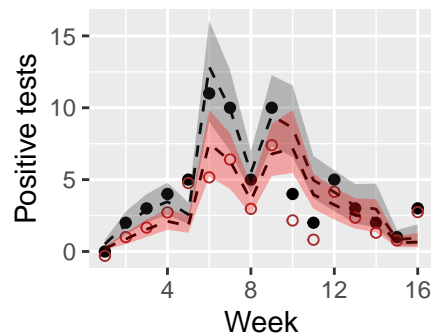
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



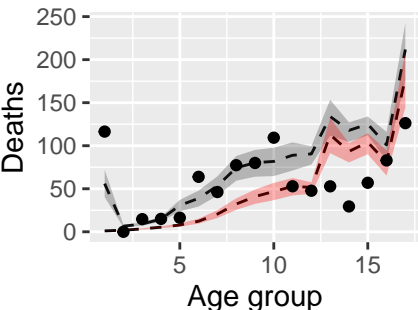
COVID-19 weekly prevalence  
(UTH mortuary)



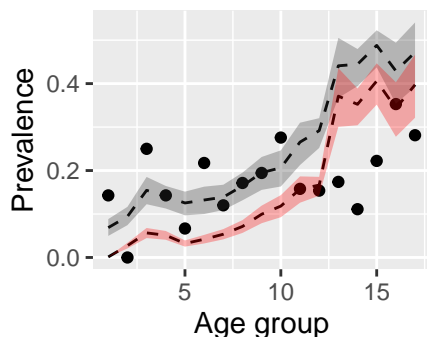
COVID-19 weekly positive tests  
(UTH mortuary)



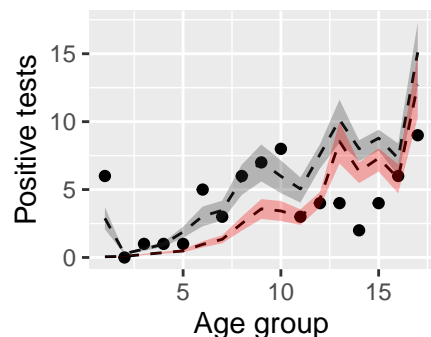
COVID-19 deaths by age  
(Lusaka)  
multinomial = 32.2



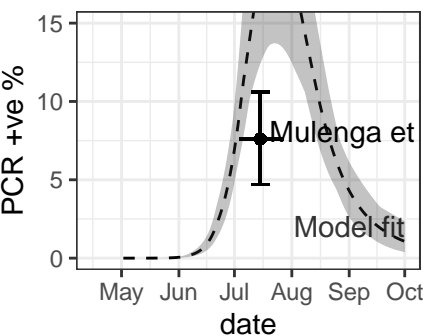
COVID-19 prevalence by age  
(UTH mortuary)



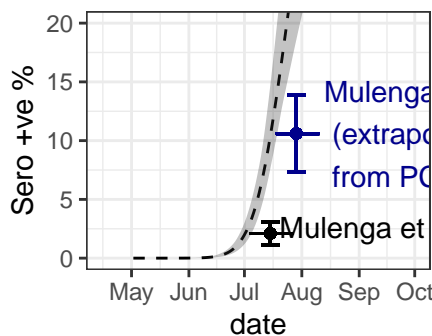
COVID-19 positive tests by age  
(UTH mortuary)



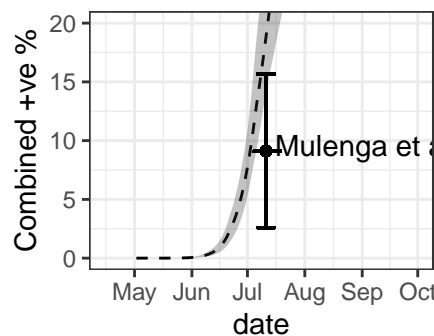
PCR prevalence  
binomial = 147.2



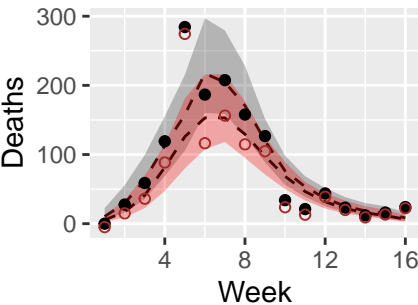
Seroprevalence  
binomial = 149



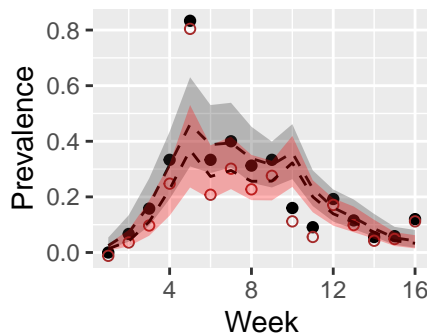
Combined prevalence  
binomial = 20.3



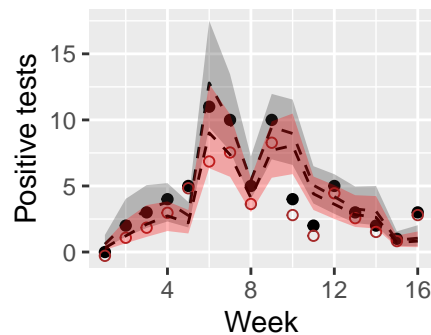
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -31.1



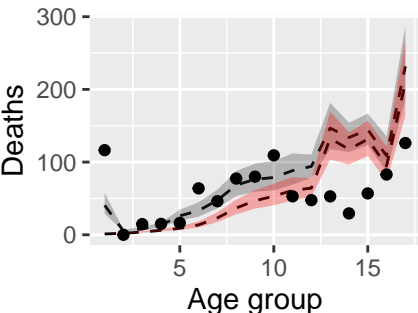
COVID-19 weekly prevalence  
(UTH mortuary)



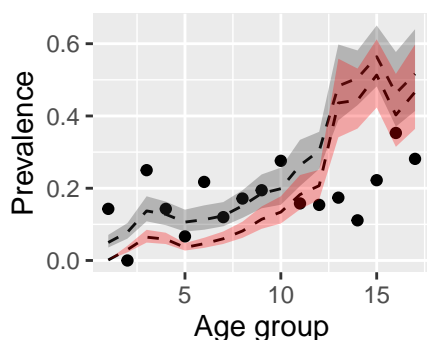
COVID-19 weekly positive tests  
(UTH mortuary)



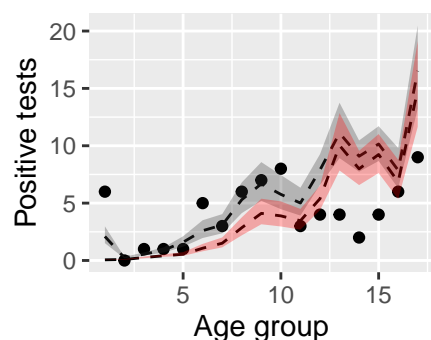
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36



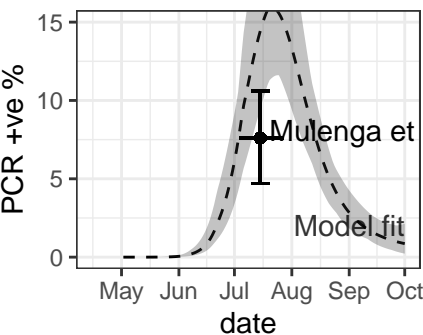
COVID-19 prevalence by age  
(UTH mortuary)



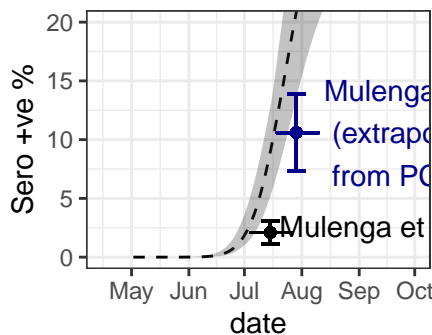
COVID-19 positive tests by age  
(UTH mortuary)



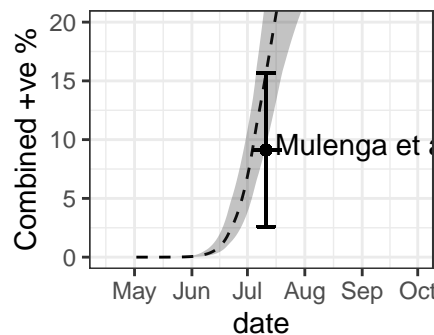
PCR prevalence  
binom II = -73.7

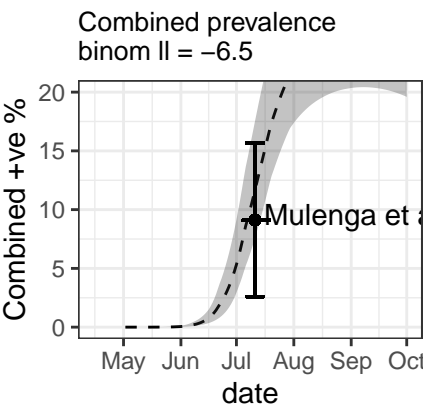
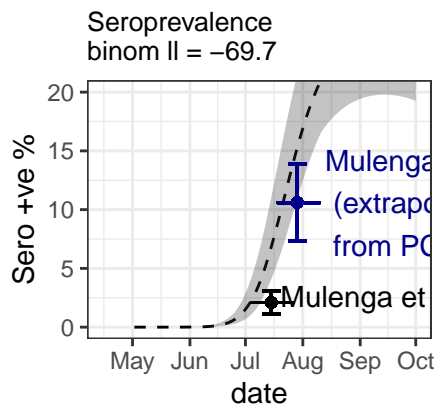
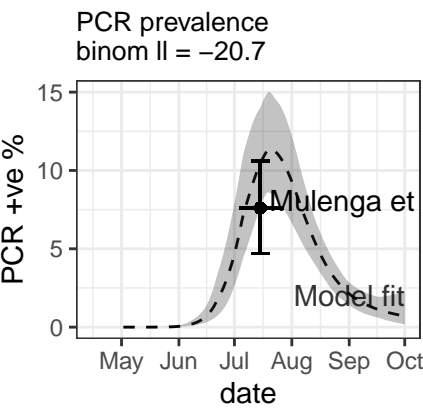
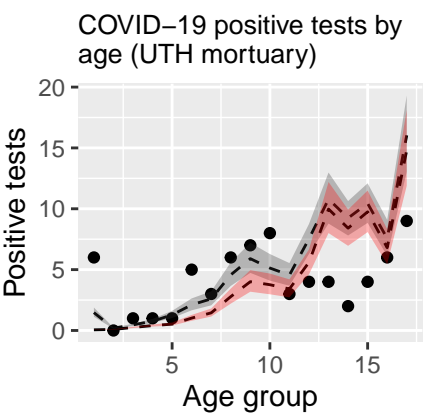
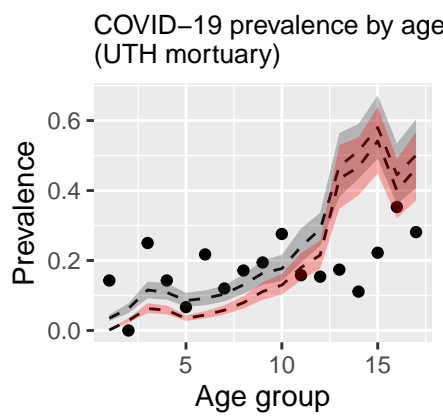
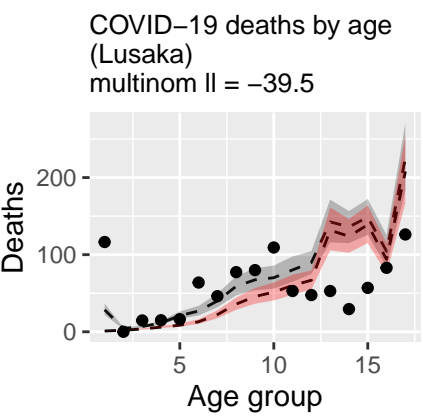
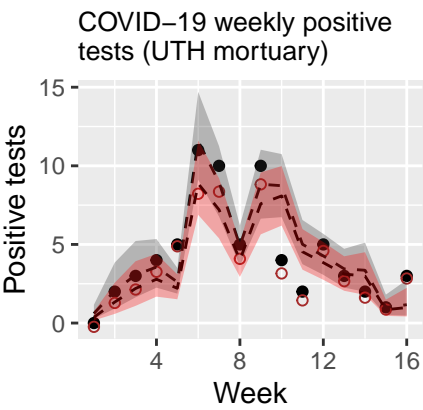
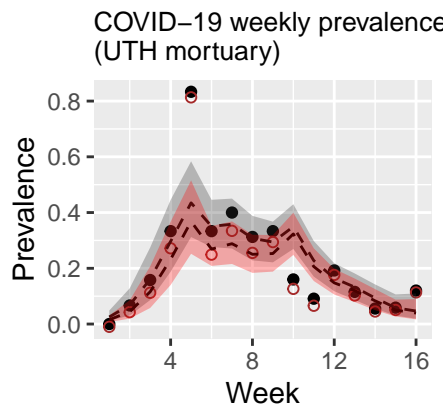
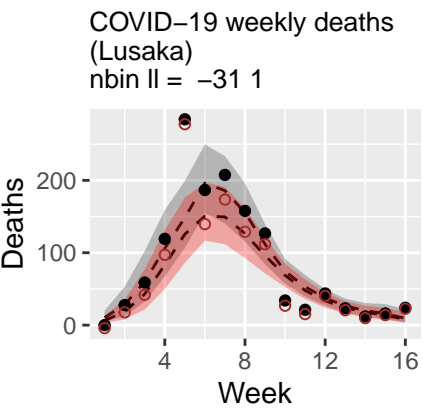


Seroprevalence  
binom II = -115.7



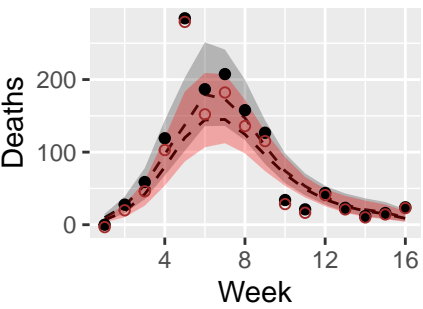
Combined prevalence  
binom II = -12.6



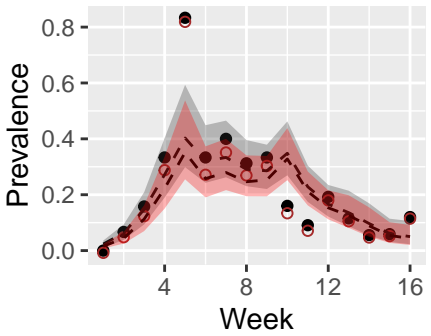


IFR x 1, Slope x 1.2

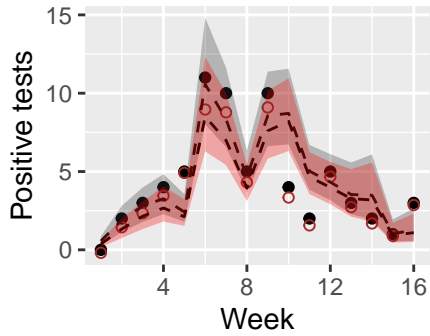
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



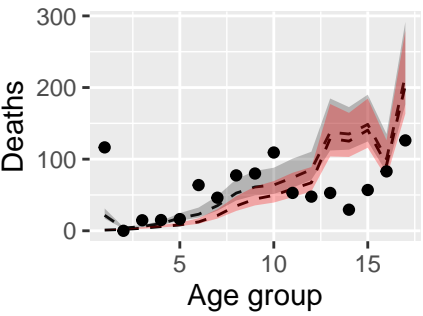
COVID-19 weekly prevalence  
(UTH mortuary)



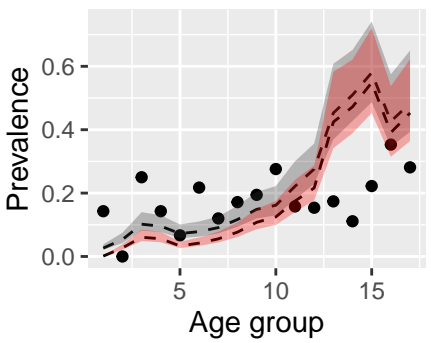
COVID-19 weekly positive tests  
(UTH mortuary)



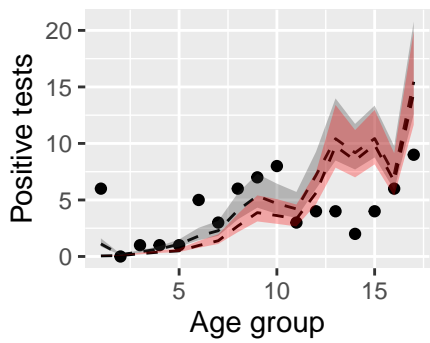
COVID-19 deaths by age  
(Lusaka)  
multinom II = -42.2



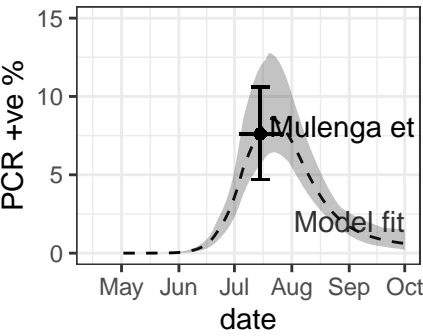
COVID-19 prevalence by age  
(UTH mortuary)



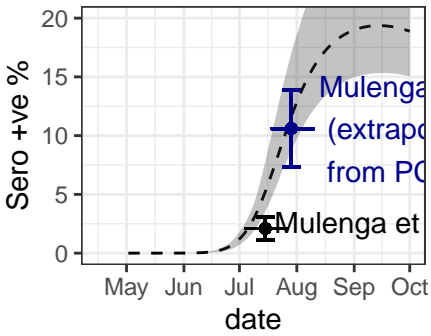
COVID-19 positive tests by age  
(UTH mortuary)



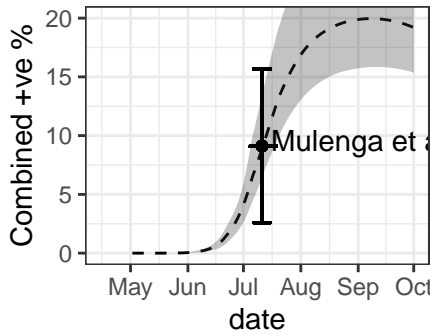
PCR prevalence  
binom II = -6.6



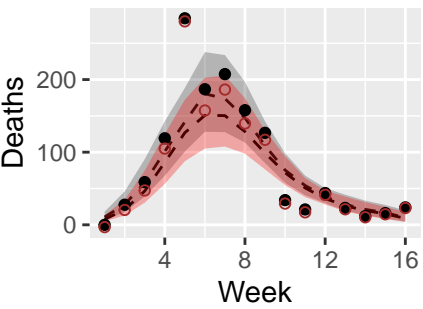
Seroprevalence  
binom II = -39.1



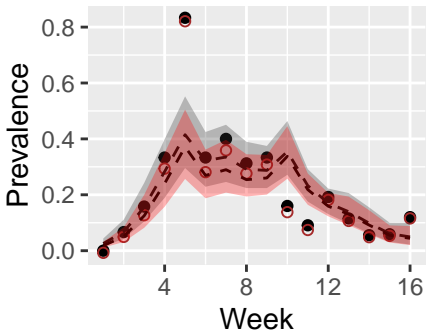
Combined prevalence  
binom II = -4.9



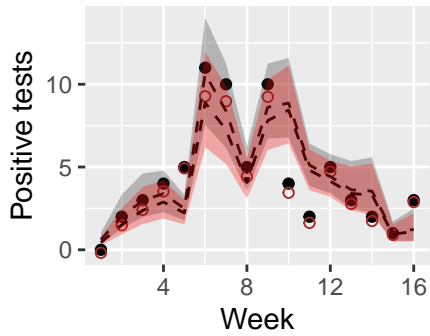
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



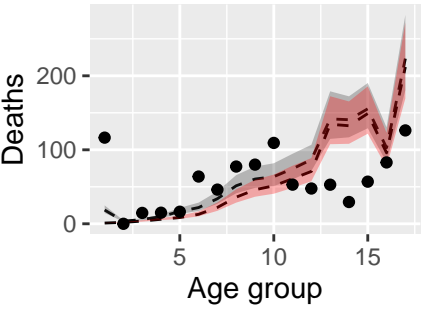
COVID-19 weekly prevalence  
(UTH mortuary)



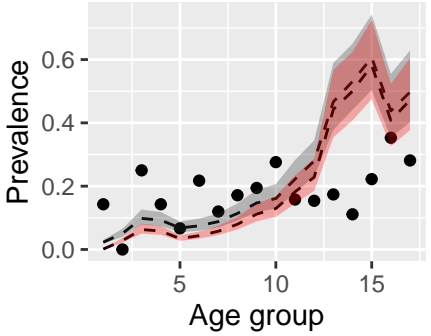
COVID-19 weekly positive tests  
(UTH mortuary)



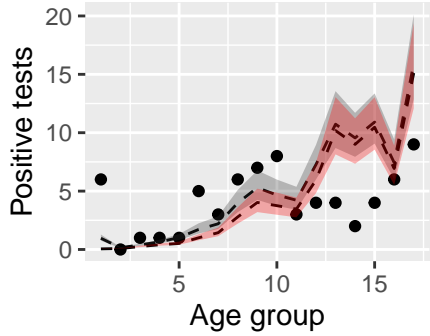
COVID-19 deaths by age  
(Lusaka)  
multinom II = -44



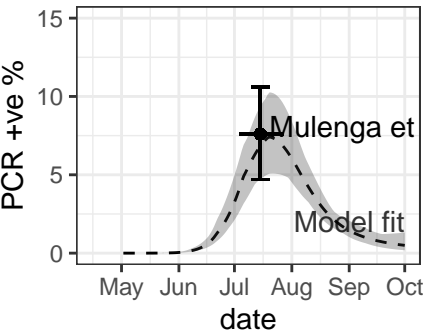
COVID-19 prevalence by age  
(UTH mortuary)



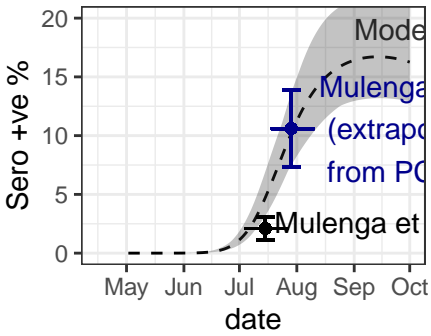
COVID-19 positive tests by age  
(UTH mortuary)



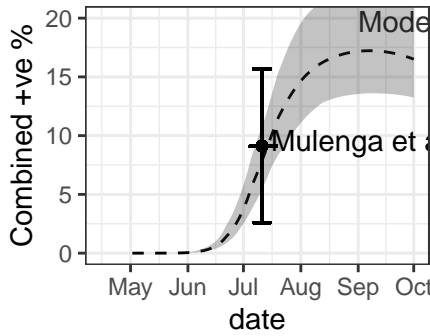
PCR prevalence  
binom II = -7.2



Seroprevalence  
binom II = -30.5

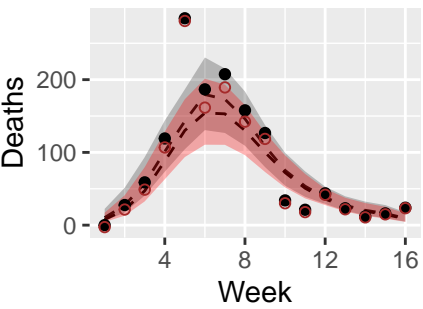


Combined prevalence  
binom II = -4.9

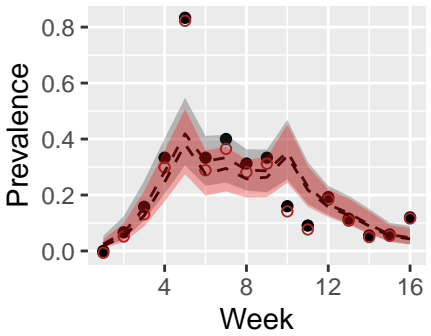


IFR x 1.4, Slope x 1.2

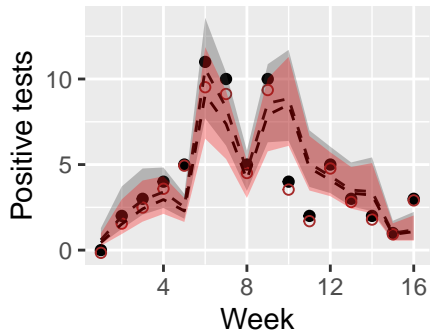
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



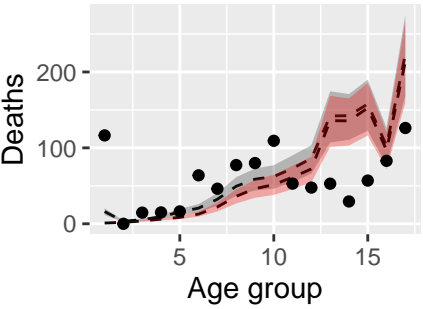
COVID-19 weekly prevalence  
(UTH mortuary)



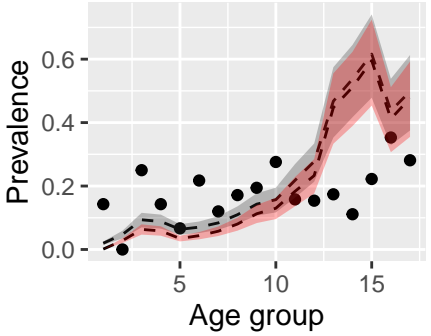
COVID-19 weekly positive tests  
(UTH mortuary)



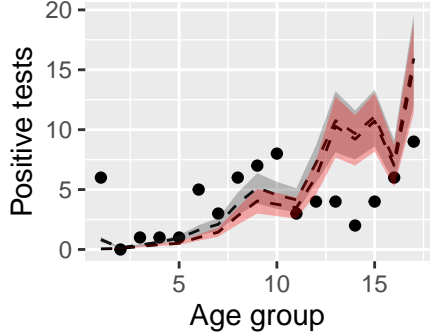
COVID-19 deaths by age  
(Lusaka)  
multinom II = -45.6



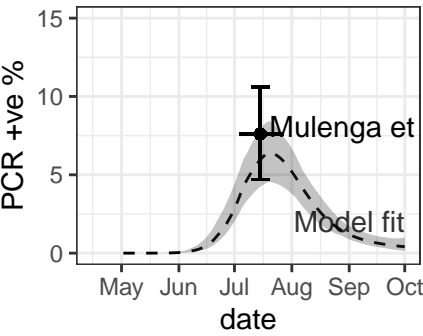
COVID-19 prevalence by age  
(UTH mortuary)



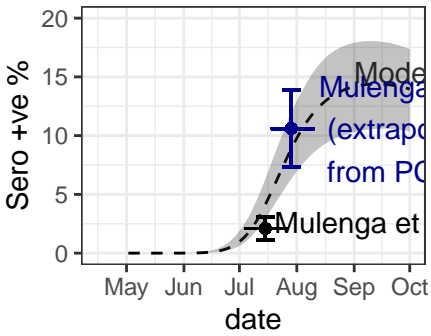
COVID-19 positive tests by age  
(UTH mortuary)



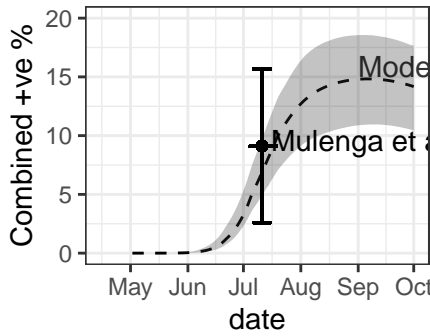
PCR prevalence  
binom II = -12.4



Seroprevalence  
binom II = -21.4

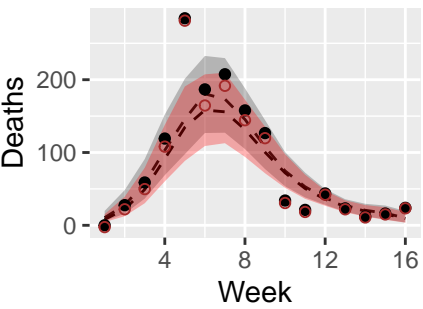


Combined prevalence  
binom II = -5.6

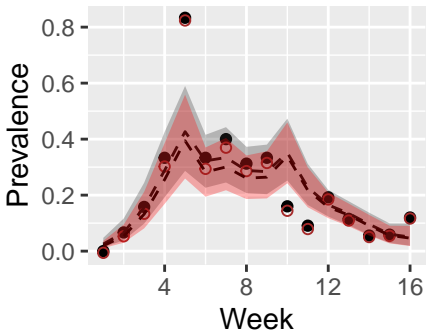




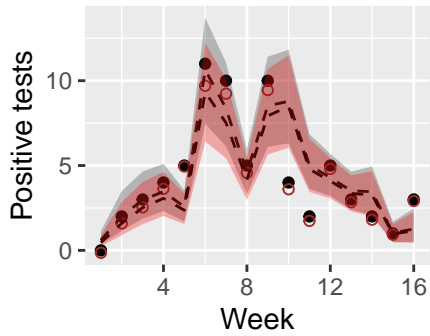
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



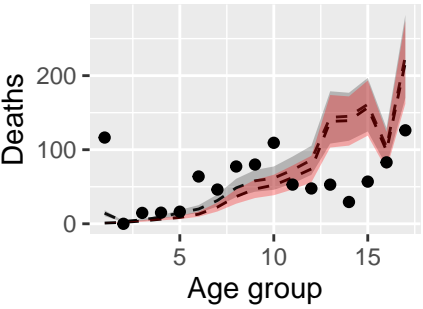
COVID-19 weekly prevalence  
(UTH mortuary)



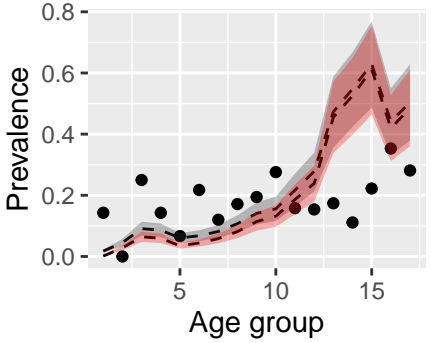
COVID-19 weekly positive tests  
(UTH mortuary)



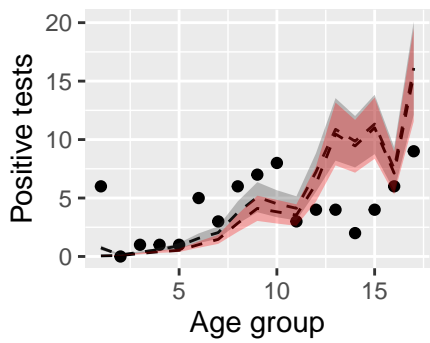
COVID-19 deaths by age  
(Lusaka)  
multinom II = -46.9



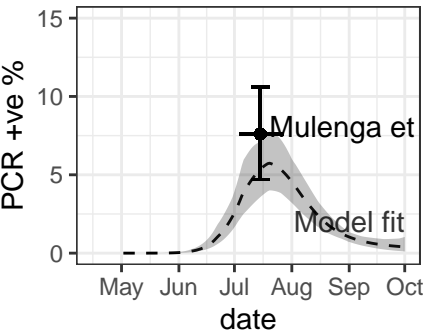
COVID-19 prevalence by age  
(UTH mortuary)



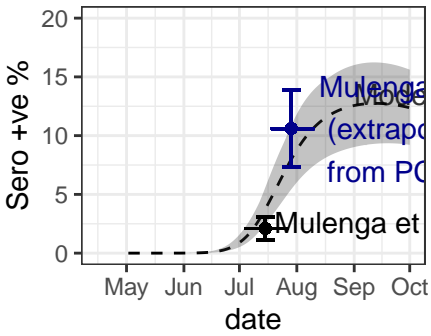
COVID-19 positive tests by age  
(UTH mortuary)



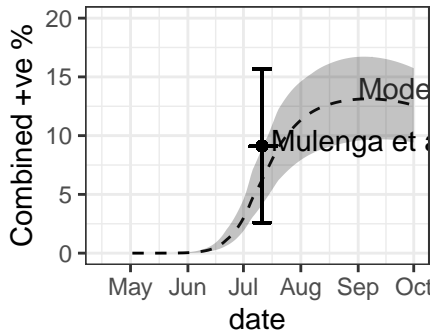
PCR prevalence  
binom II = -19.2



Seroprevalence  
binom II = -16.5

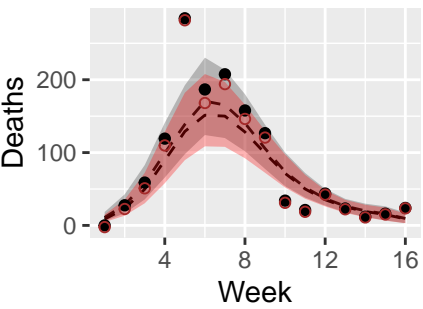


Combined prevalence  
binom II = -6.4

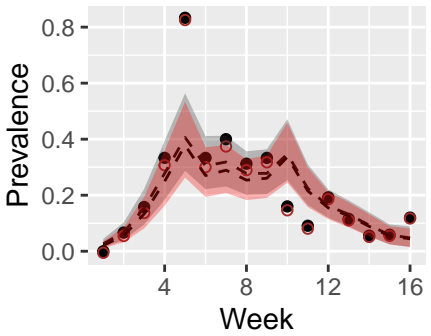


IFR x 1.8, Slope x 1.2

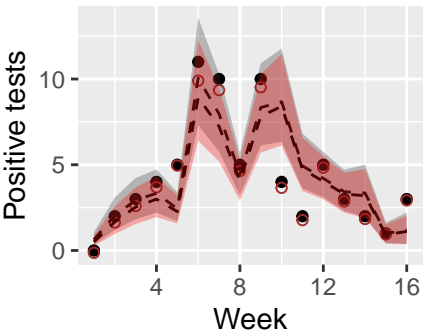
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



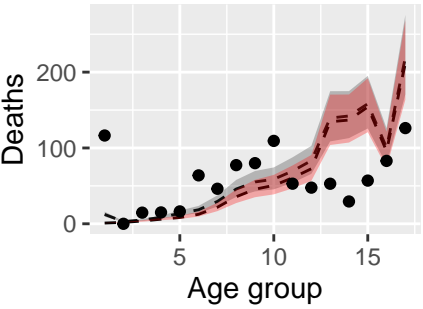
COVID-19 weekly prevalence  
(UTH mortuary)



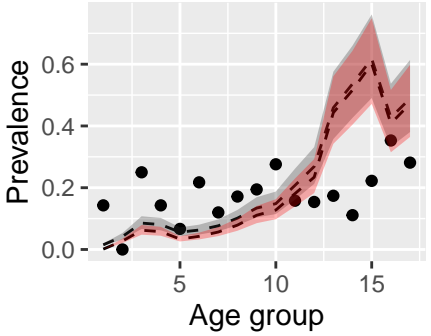
COVID-19 weekly positive tests  
(UTH mortuary)



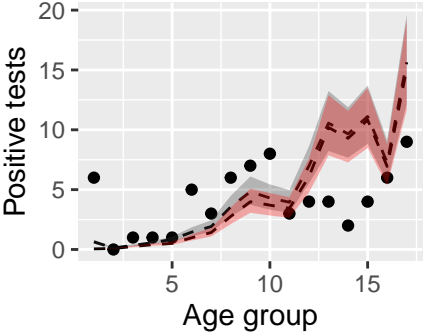
COVID-19 deaths by age  
(Lusaka)  
multinom II = -48.1



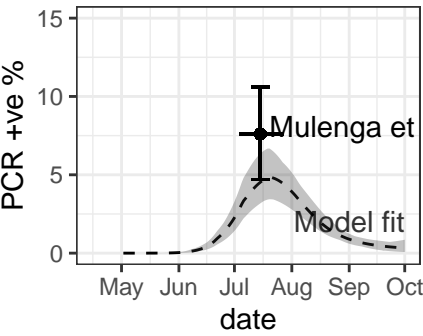
COVID-19 prevalence by age  
(UTH mortuary)



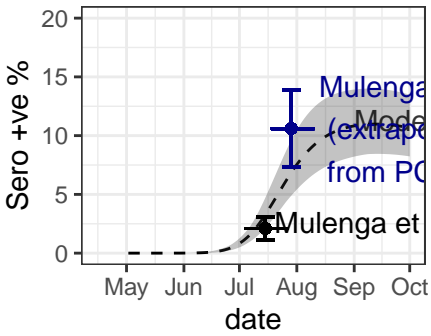
COVID-19 positive tests by age  
(UTH mortuary)



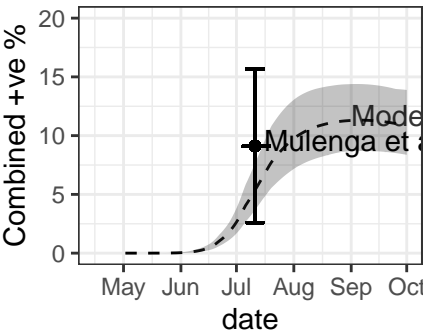
PCR prevalence  
binom II = -33.6



Seroprevalence  
binom II = -11.1

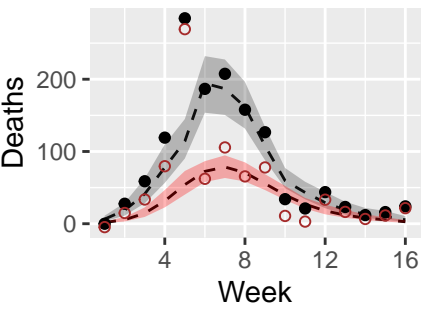


Combined prevalence  
binom II = -8

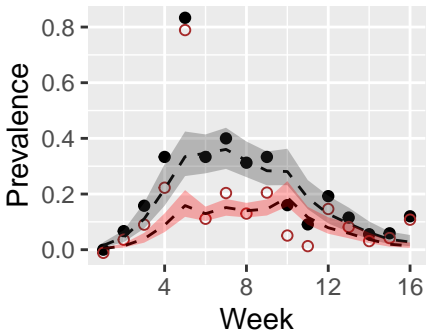


IFR x 0.2, Slope x 1.4

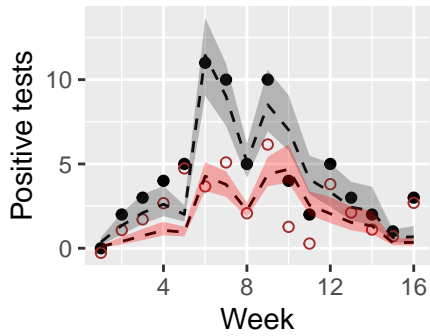
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -32.1



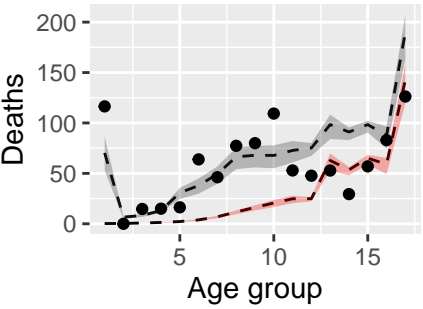
COVID-19 weekly prevalence  
(UTH mortuary)



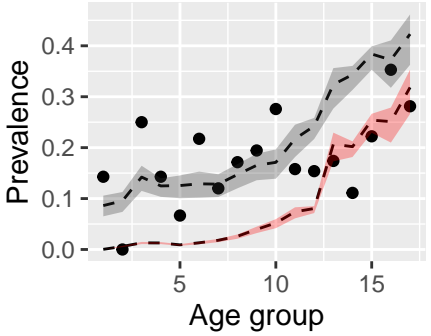
COVID-19 weekly positive tests  
(UTH mortuary)



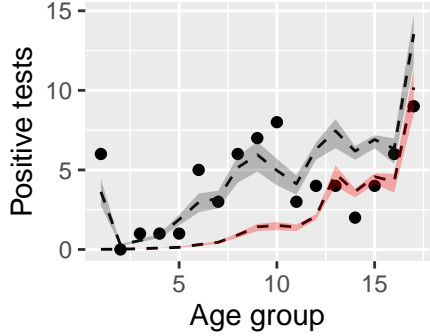
COVID-19 deaths by age  
(Lusaka)  
multinom II = -29.6



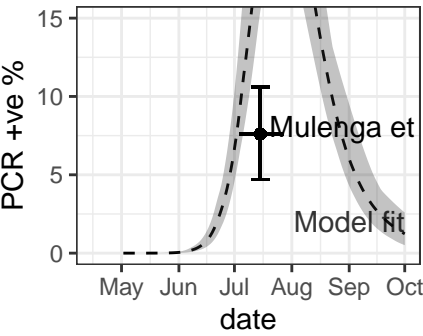
COVID-19 prevalence by age  
(UTH mortuary)



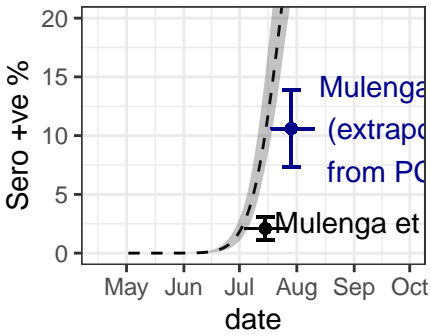
COVID-19 positive tests by age  
(UTH mortuary)



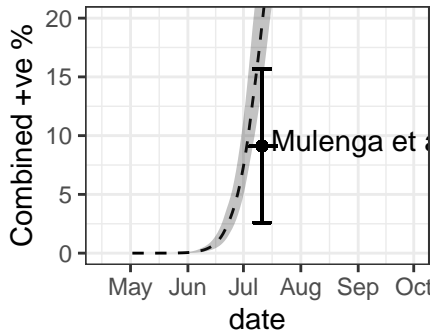
PCR prevalence  
binom II = -186.4



Seroprevalence  
binom II = -145.4

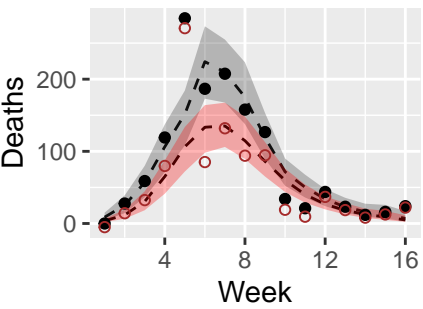


Combined prevalence  
binom II = -23.6

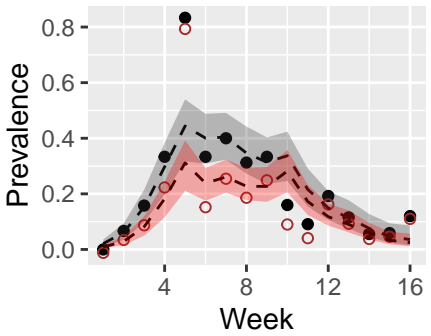


IFR x 0.4, Slope x 1.4

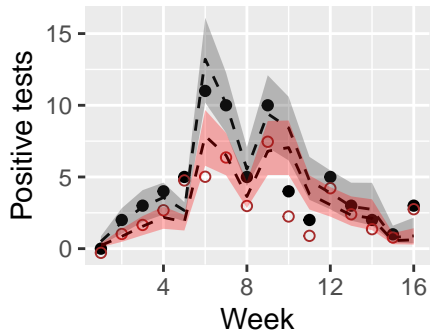
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



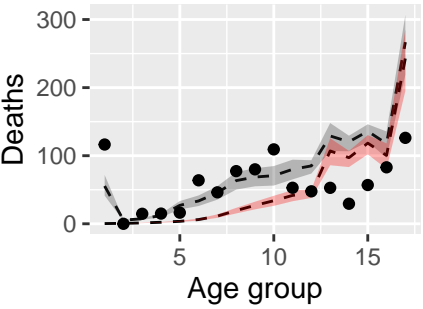
COVID-19 weekly prevalence  
(UTH mortuary)



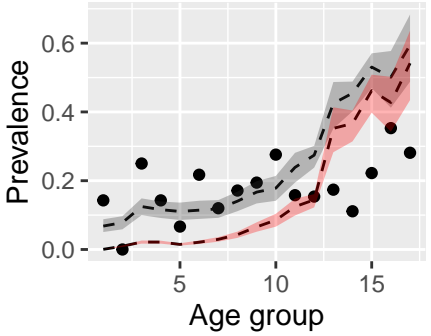
COVID-19 weekly positive tests  
(UTH mortuary)



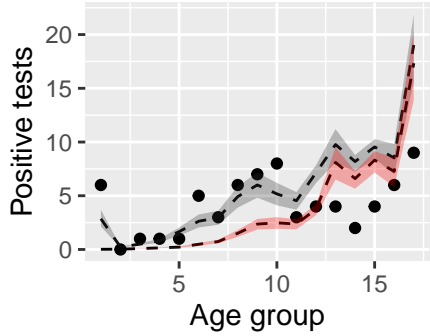
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.9



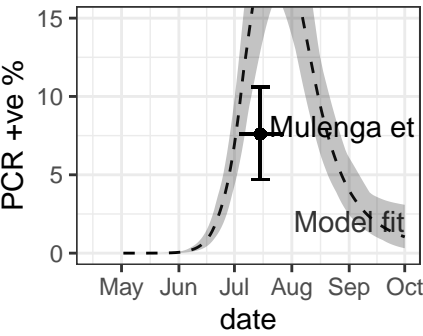
COVID-19 prevalence by age  
(UTH mortuary)



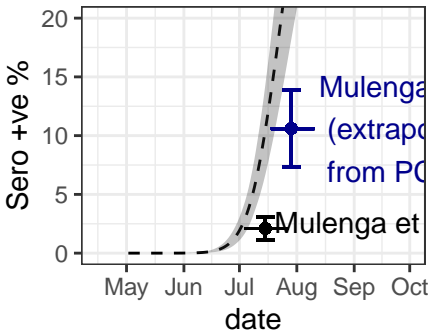
COVID-19 positive tests by age  
(UTH mortuary)



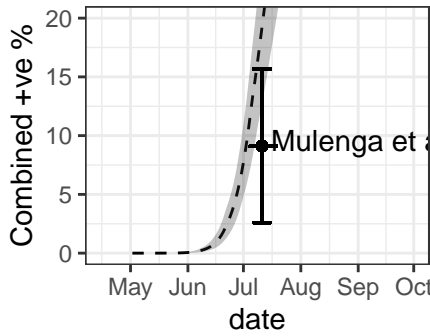
PCR prevalence  
binom II = -158.4



Seroprevalence  
binom II = -151.9

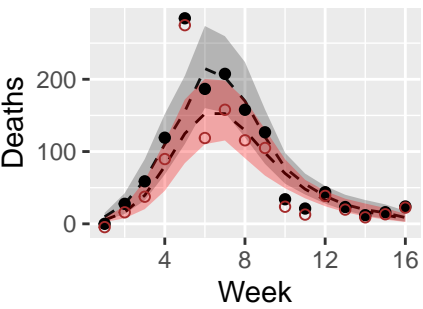


Combined prevalence  
binom II = -21.2

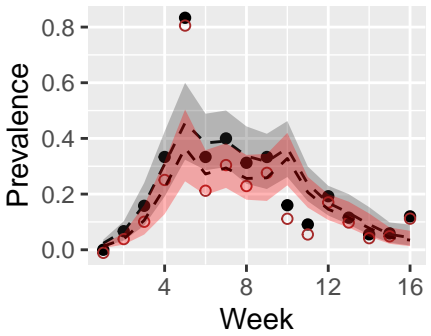


IFR x 0.6, Slope x 1.4

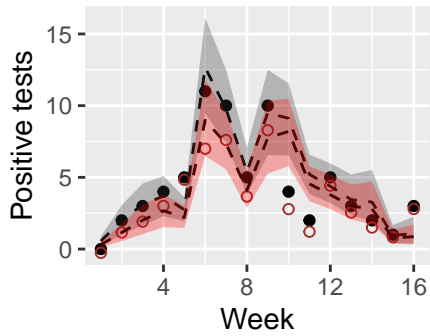
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



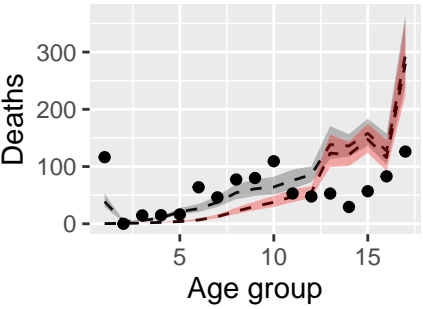
COVID-19 weekly prevalence  
(UTH mortuary)



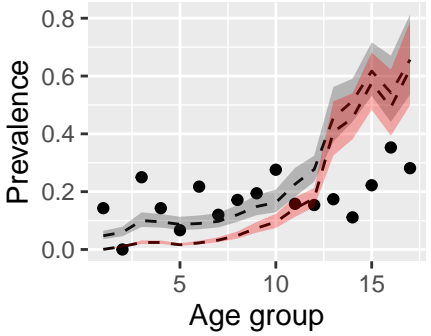
COVID-19 weekly positive tests  
(UTH mortuary)



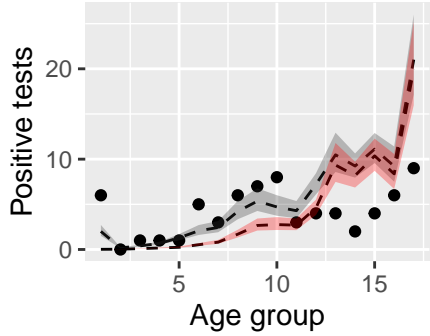
COVID-19 deaths by age  
(Lusaka)  
multinomial = -40.7



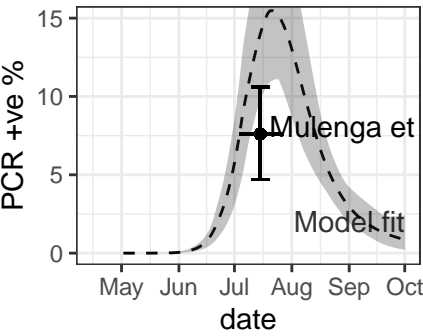
COVID-19 prevalence by age  
(UTH mortuary)



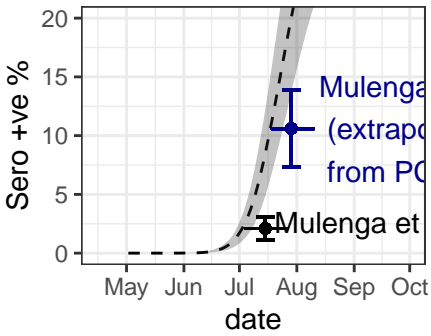
COVID-19 positive tests by age  
(UTH mortuary)



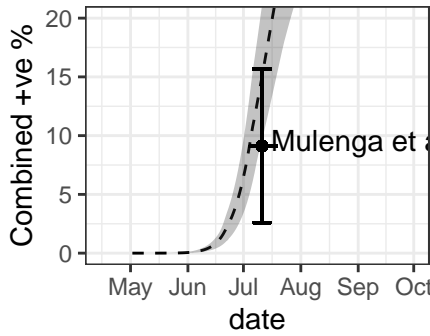
PCR prevalence  
binomial = -66.6



Seroprevalence  
binomial = -105.4

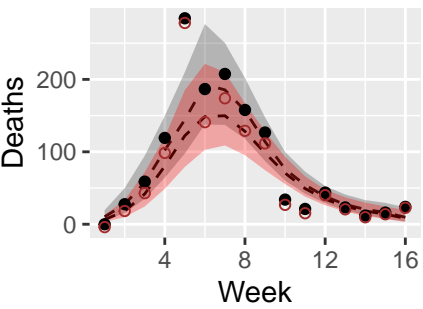


Combined prevalence  
binomial = -11.5

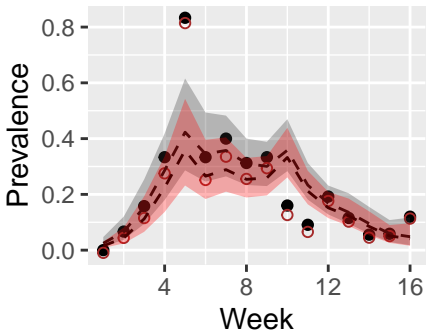


IFR x 0.8, Slope x 1.4

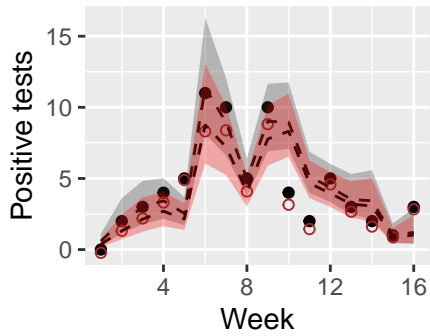
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



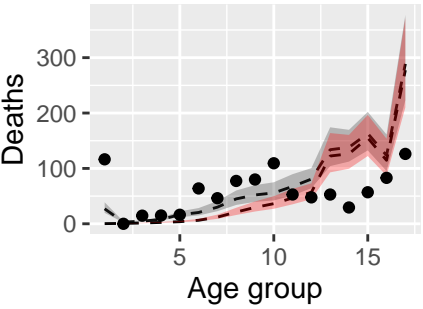
COVID-19 weekly prevalence  
(UTH mortuary)



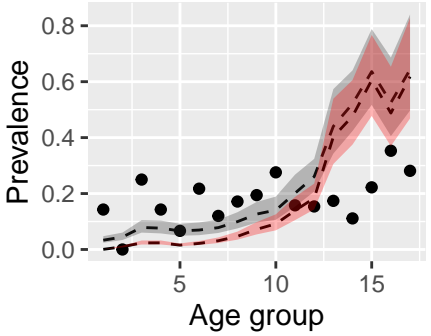
COVID-19 weekly positive tests  
(UTH mortuary)



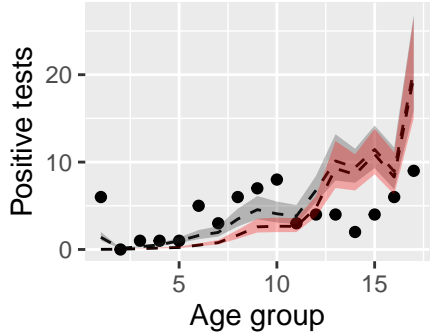
COVID-19 deaths by age  
(Lusaka)  
multinom II = -45.5



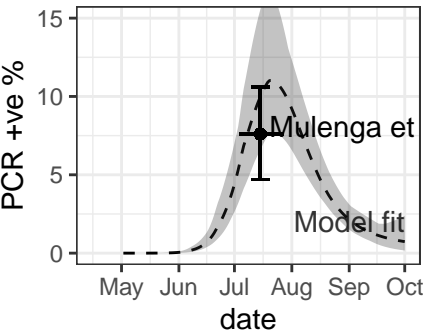
COVID-19 prevalence by age  
(UTH mortuary)



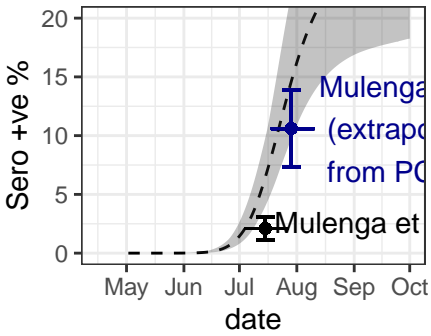
COVID-19 positive tests by age  
(UTH mortuary)



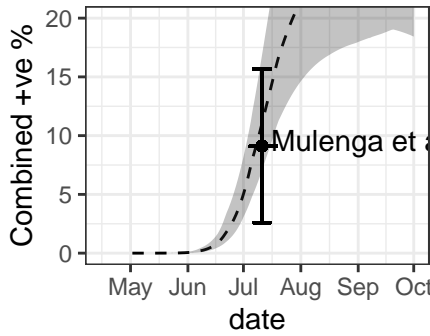
PCR prevalence  
binom II = -17.2



Seroprevalence  
binom II = -62

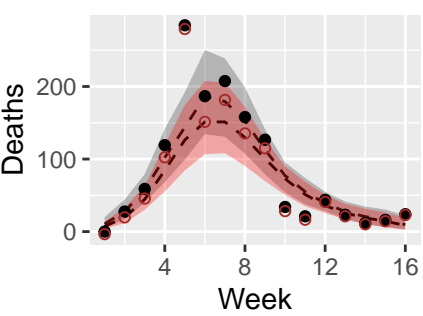


Combined prevalence  
binom II = -6.1

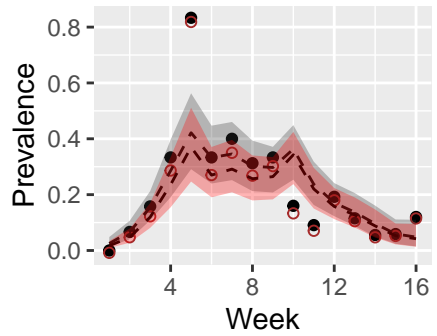


IFR x 1, Slope x 1.4

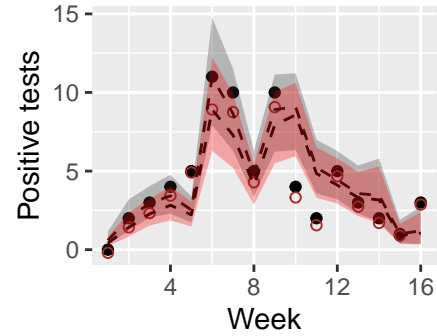
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



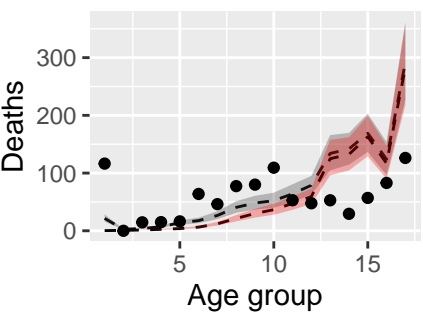
COVID-19 weekly prevalence  
(UTH mortuary)



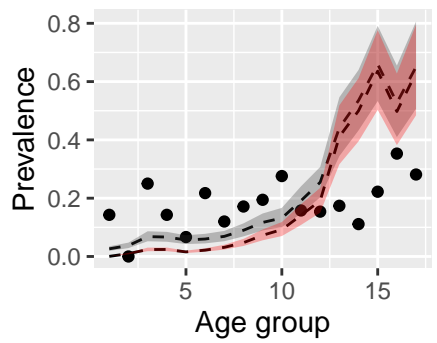
COVID-19 weekly positive tests  
(UTH mortuary)



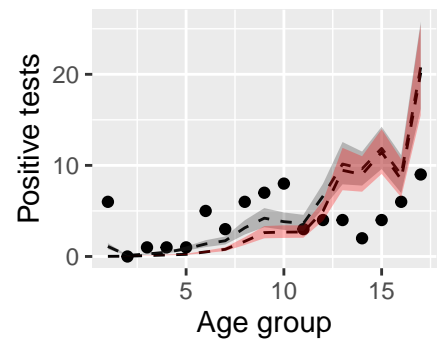
COVID-19 deaths by age  
(Lusaka)  
multinomial = 49



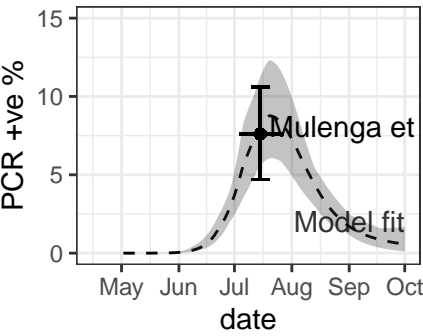
COVID-19 prevalence by age  
(UTH mortuary)



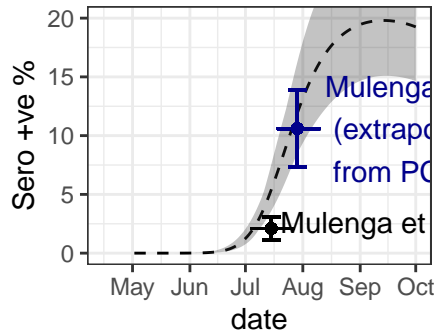
COVID-19 positive tests by age  
(UTH mortuary)



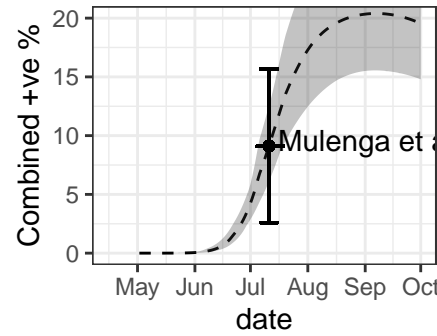
PCR prevalence  
binomial = 6.4



Seroprevalence  
binomial = 41.9

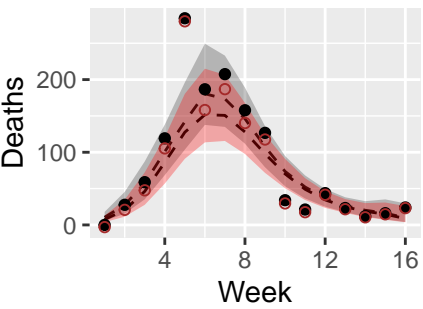


Combined prevalence  
binomial = 4.8

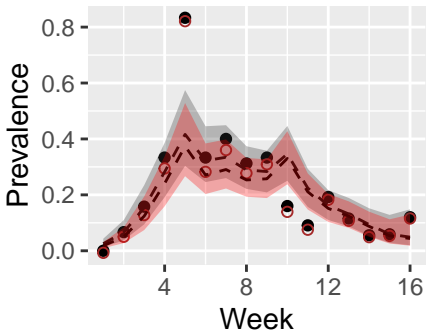


IFR x 1.2, Slope x 1.4

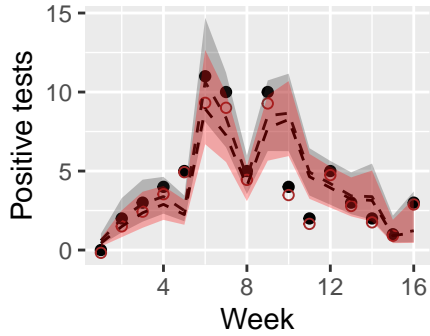
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



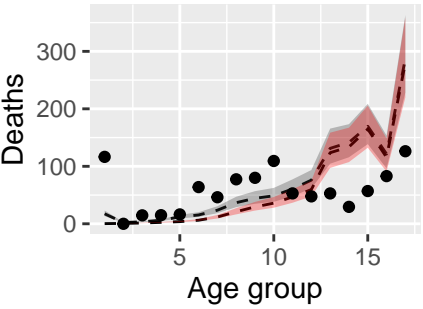
COVID-19 weekly prevalence  
(UTH mortuary)



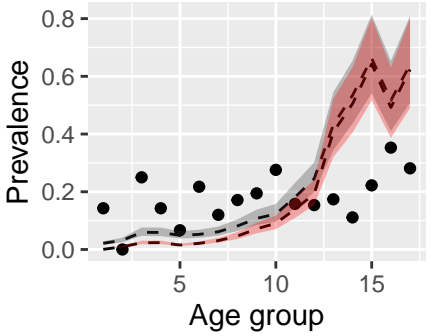
COVID-19 weekly positive tests  
(UTH mortuary)



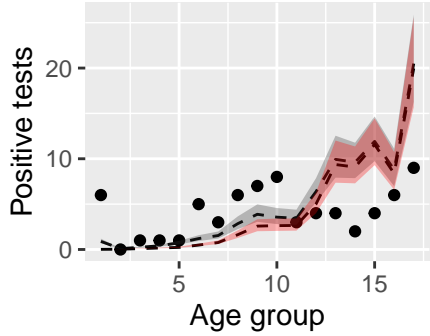
COVID-19 deaths by age  
(Lusaka)  
multinomial = 51.8



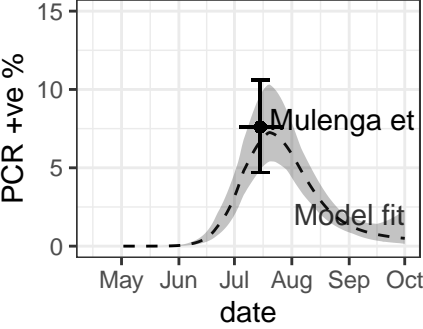
COVID-19 prevalence by age  
(UTH mortuary)



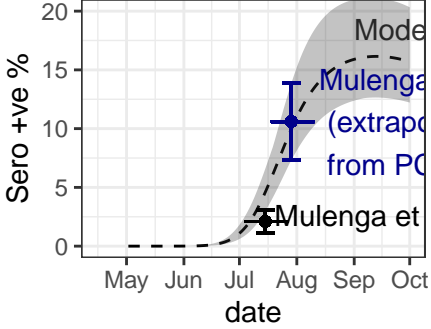
COVID-19 positive tests by age  
(UTH mortuary)



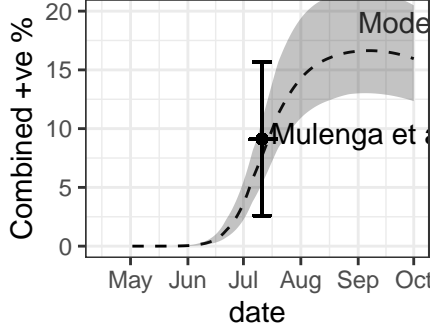
PCR prevalence  
binomial = 8.1



Seroprevalence  
binomial = 28.6



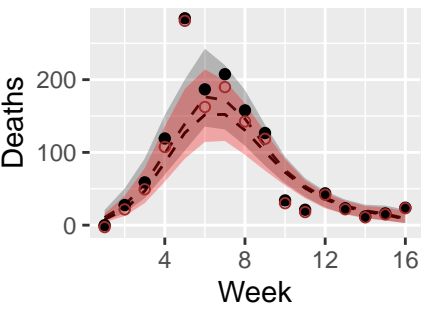
Combined prevalence  
binomial = 5.1



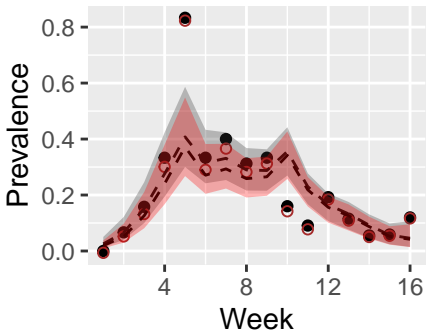


IFR x 1.4, Slope x 1.4

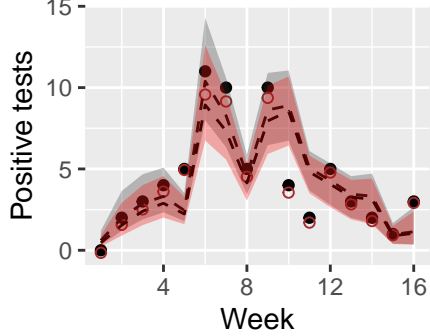
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



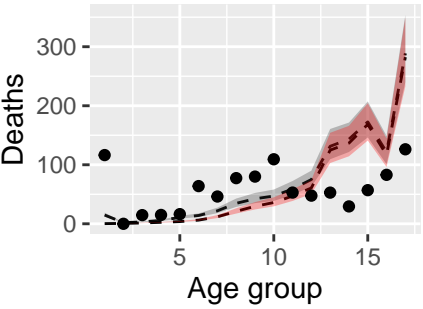
COVID-19 weekly prevalence  
(UTH mortuary)



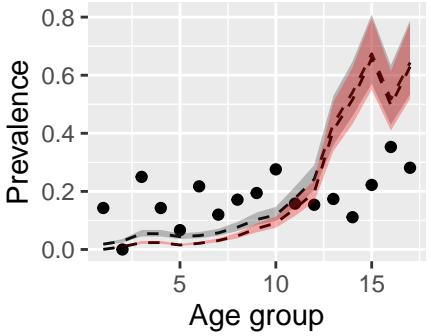
COVID-19 weekly positive tests  
(UTH mortuary)



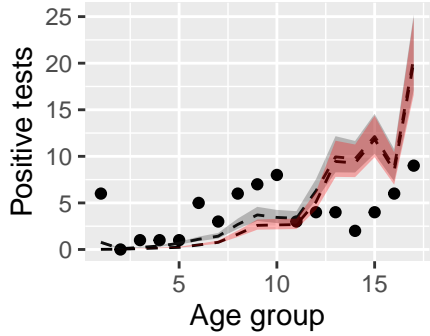
COVID-19 deaths by age  
(Lusaka)  
multinom II = -54.1



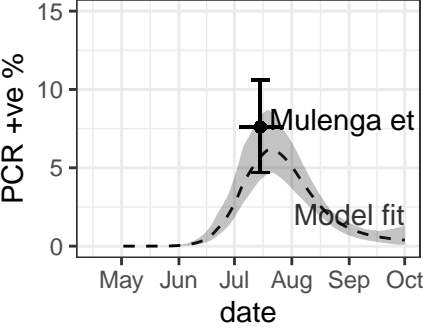
COVID-19 prevalence by age  
(UTH mortuary)



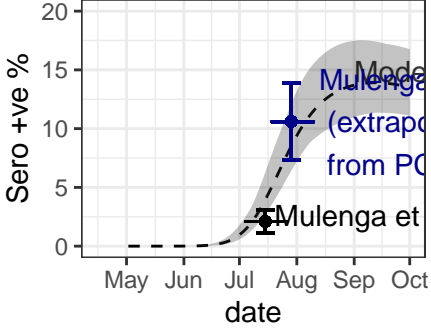
COVID-19 positive tests by age  
(UTH mortuary)



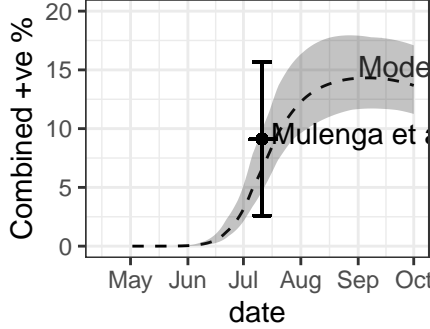
PCR prevalence  
binom II = -15.5



Seroprevalence  
binom II = -19.3

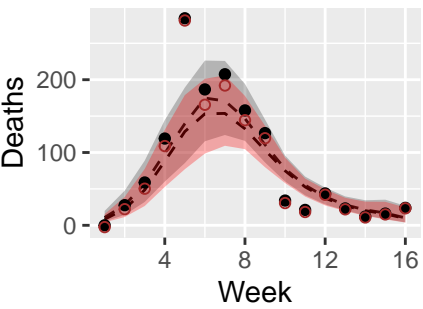


Combined prevalence  
binom II = -6.1

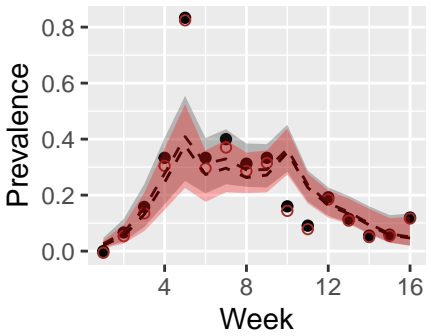


IFR x 1.6, Slope x 1.4

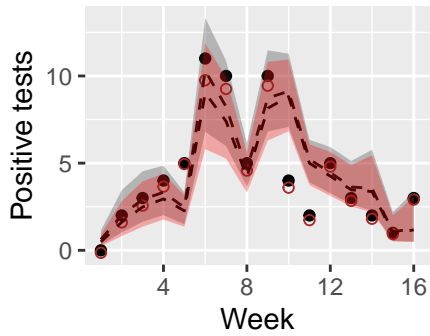
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



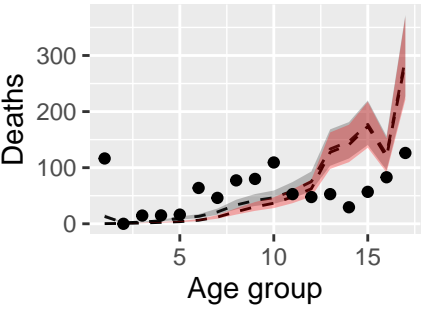
COVID-19 weekly prevalence  
(UTH mortuary)



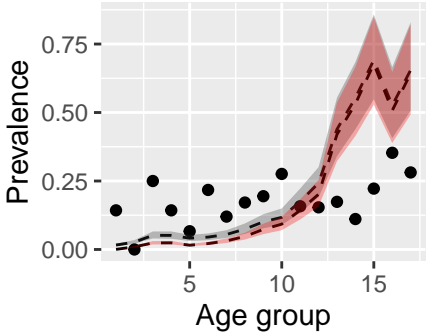
COVID-19 weekly positive tests  
(UTH mortuary)



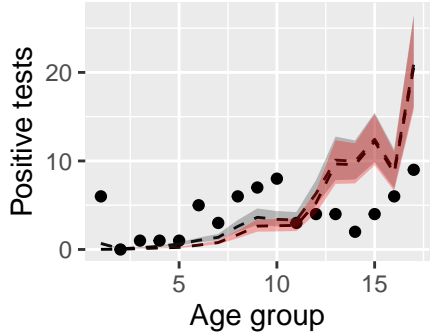
COVID-19 deaths by age  
(Lusaka)  
multinom II = -56



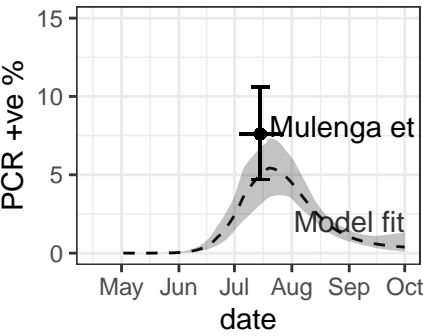
COVID-19 prevalence by age  
(UTH mortuary)



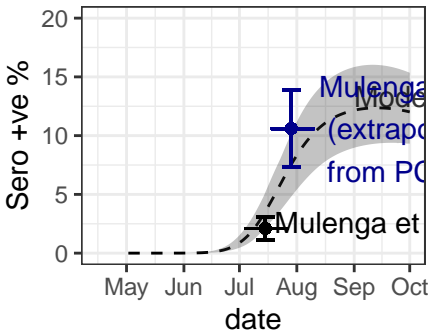
COVID-19 positive tests by age  
(UTH mortuary)



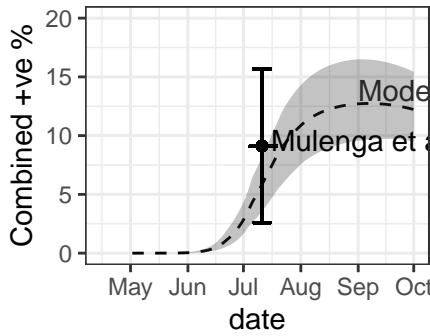
PCR prevalence  
binom II = -24



Seroprevalence  
binom II = -13.9

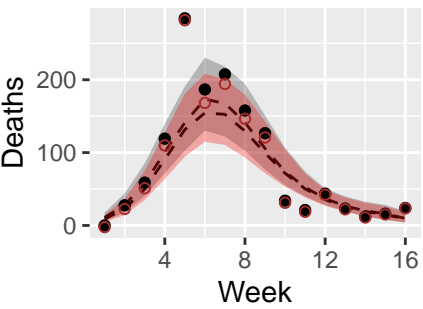


Combined prevalence  
binom II = -7.1

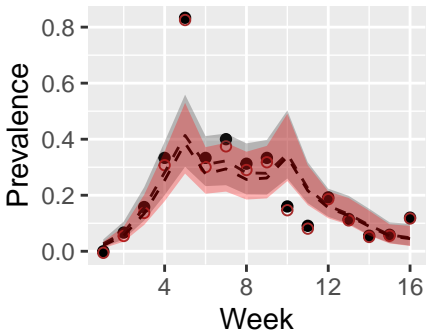


IFR x 1.8, Slope x 1.4

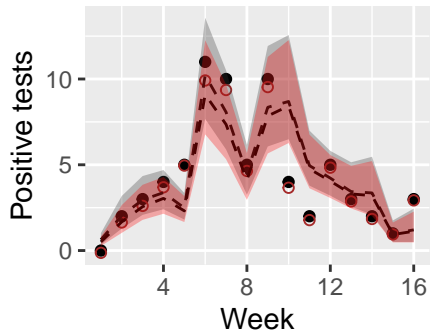
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



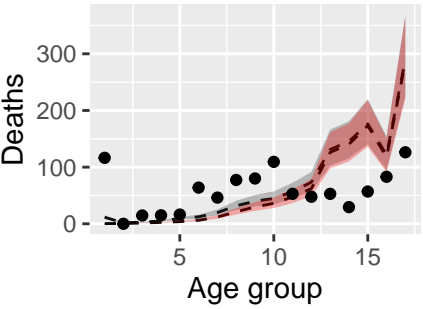
COVID-19 weekly prevalence  
(UTH mortuary)



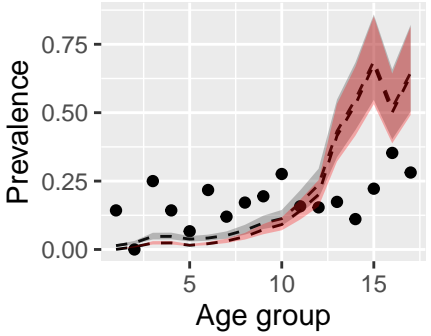
COVID-19 weekly positive tests  
(UTH mortuary)



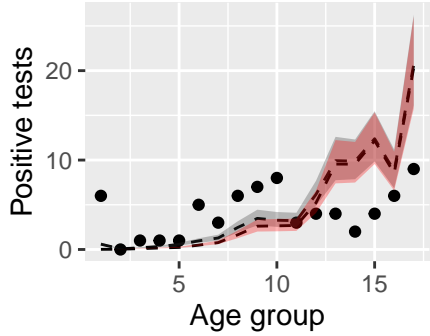
COVID-19 deaths by age  
(Lusaka)  
multinom II = -57.6



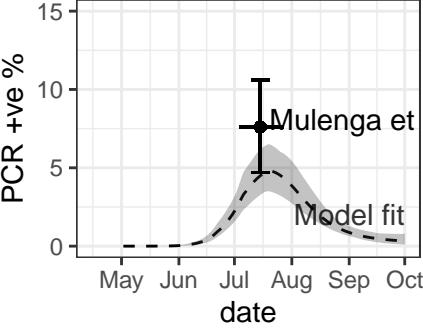
COVID-19 prevalence by age  
(UTH mortuary)



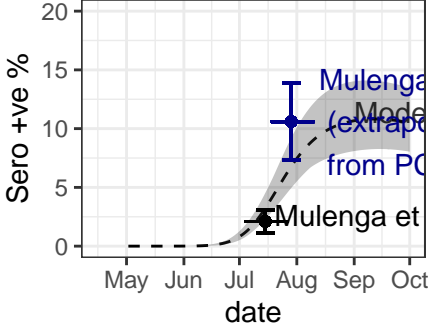
COVID-19 positive tests by age  
(UTH mortuary)



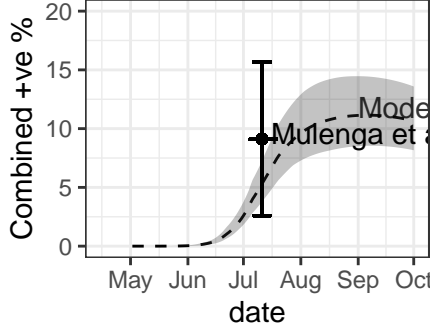
PCR prevalence  
binom II = -33.7



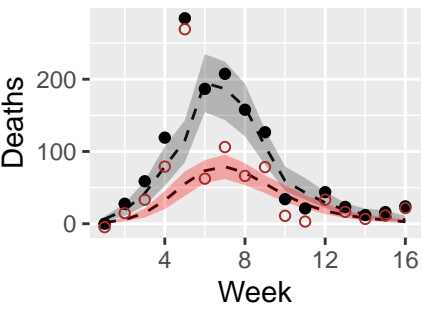
Seroprevalence  
binom II = -10.5



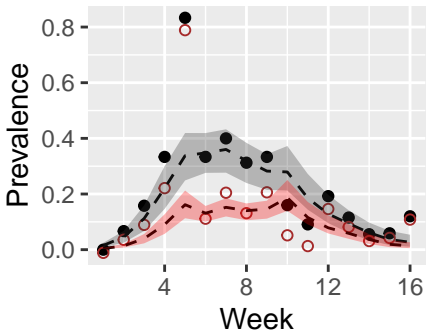
Combined prevalence  
binom II = -8.1



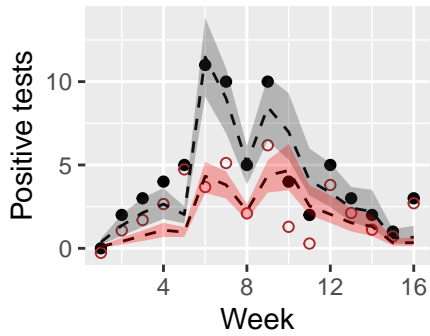
COVID-19 weekly deaths  
(Lusaka)  
nbins = 32



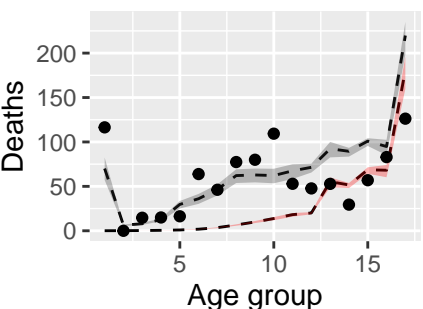
COVID-19 weekly prevalence  
(UTH mortuary)



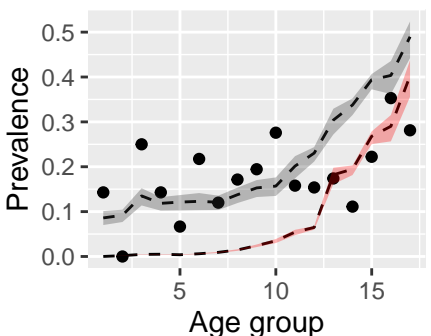
COVID-19 weekly positive tests  
(UTH mortuary)



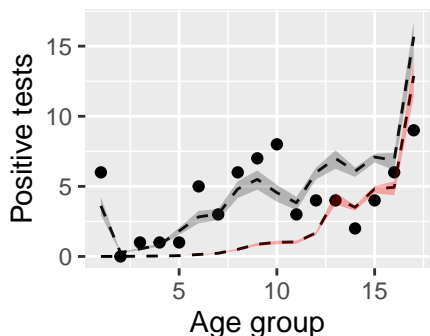
COVID-19 deaths by age  
(Lusaka)  
multinom = 30.6



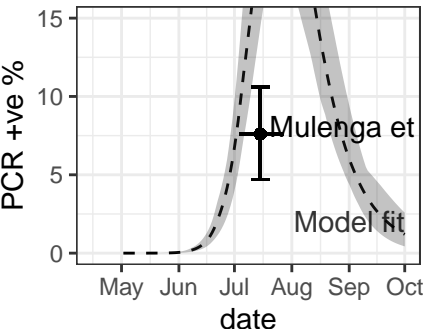
COVID-19 prevalence by age  
(UTH mortuary)



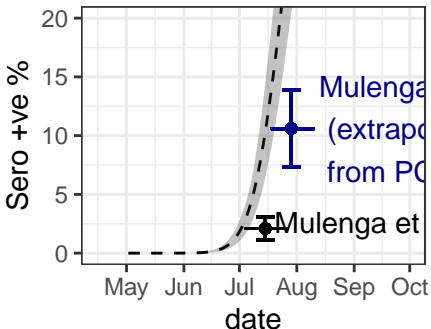
COVID-19 positive tests by age  
(UTH mortuary)



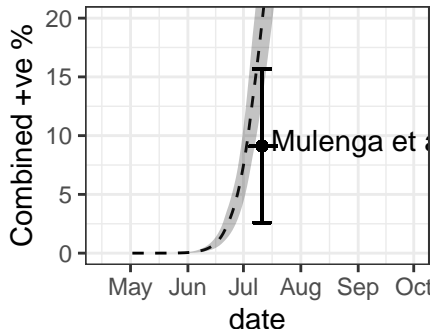
PCR prevalence  
binom = 189.4



Seroprevalence  
binom = 148.3

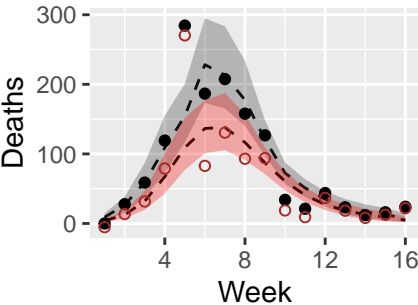


Combined prevalence  
binom = 23.9

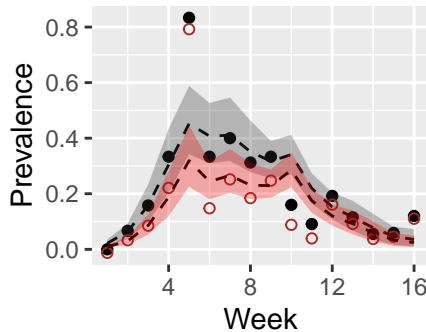


IFR x 0.4, Slope x 1.6

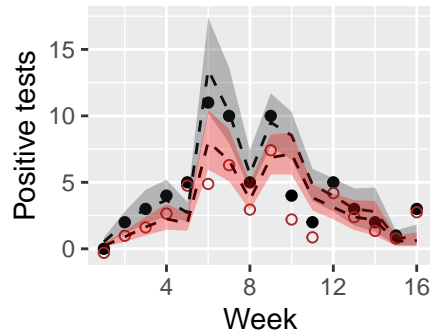
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



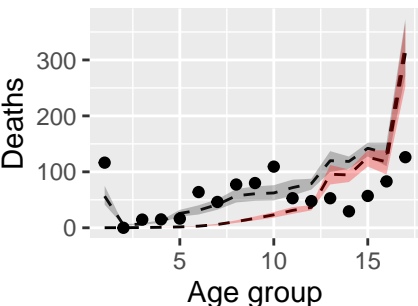
COVID-19 weekly prevalence  
(UTH mortuary)



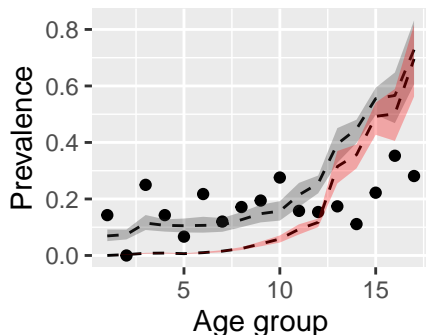
COVID-19 weekly positive tests  
(UTH mortuary)



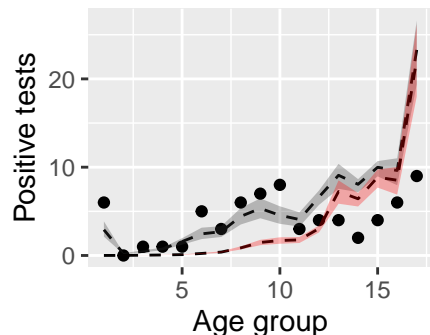
COVID-19 deaths by age  
(Lusaka)  
multinom II = -37.6



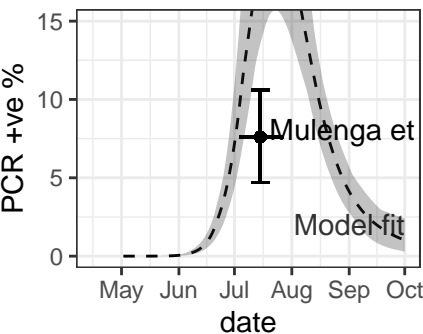
COVID-19 prevalence by age  
(UTH mortuary)



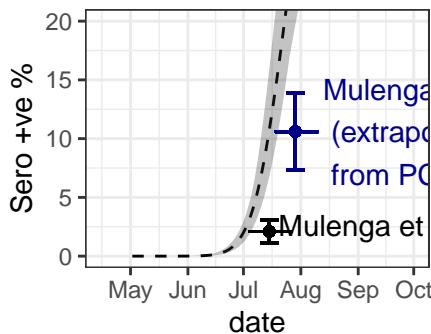
COVID-19 positive tests by  
age (UTH mortuary)



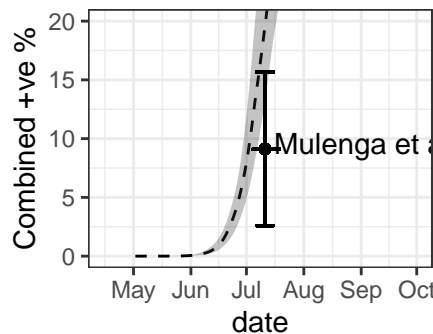
PCR prevalence  
binom II = -166



Seroprevalence  
binom II = -158.1

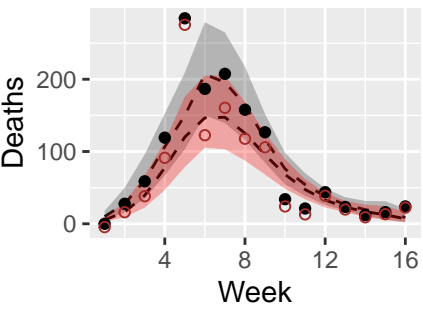


Combined prevalence  
binom II = -22.3

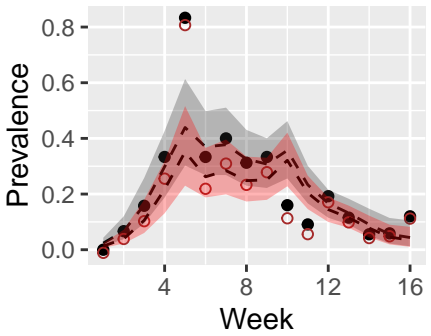


IFR x 0.6, Slope x 1.6

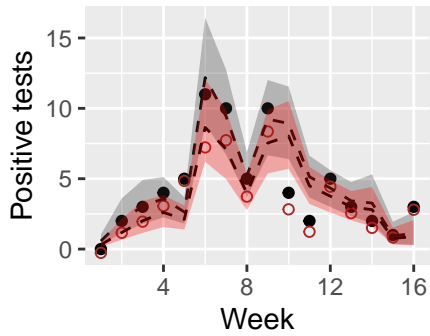
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



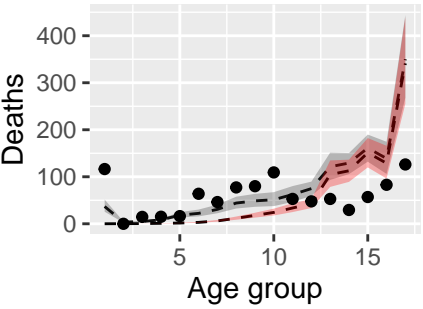
COVID-19 weekly prevalence  
(UTH mortuary)



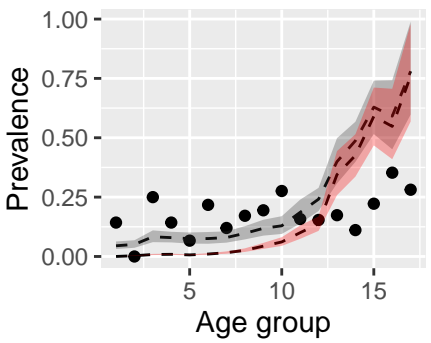
COVID-19 weekly positive tests  
(UTH mortuary)



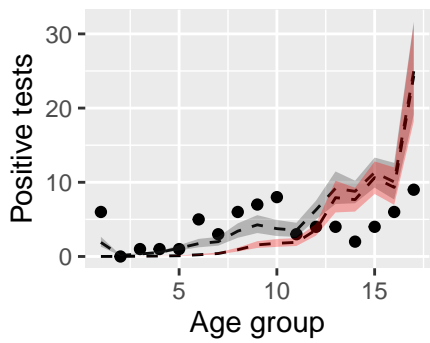
COVID-19 deaths by age  
(Lusaka)  
multinomial = -45.4



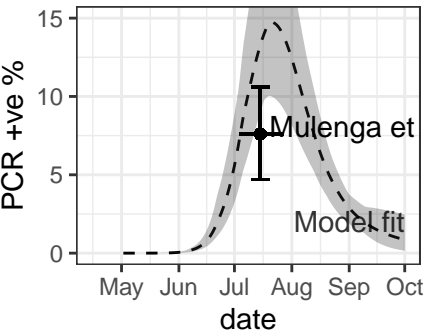
COVID-19 prevalence by age  
(UTH mortuary)



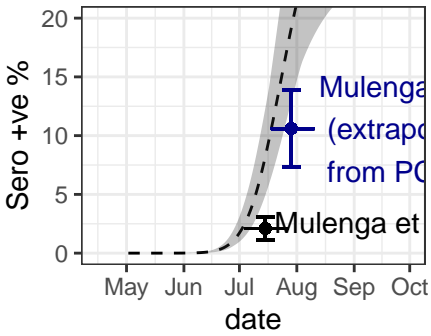
COVID-19 positive tests by age  
(UTH mortuary)



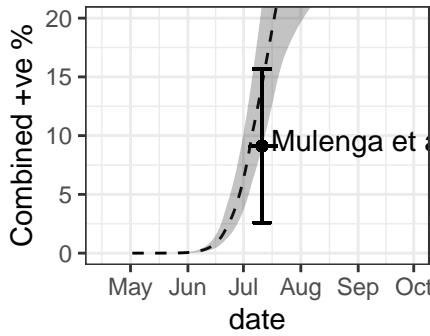
PCR prevalence  
binomial = -56.2

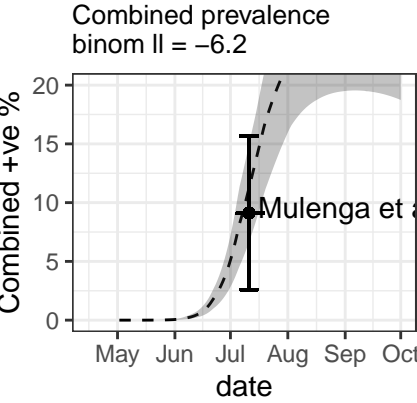
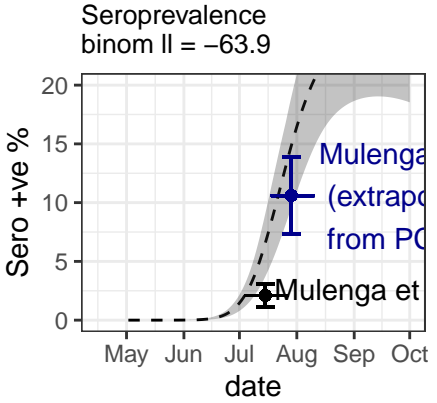
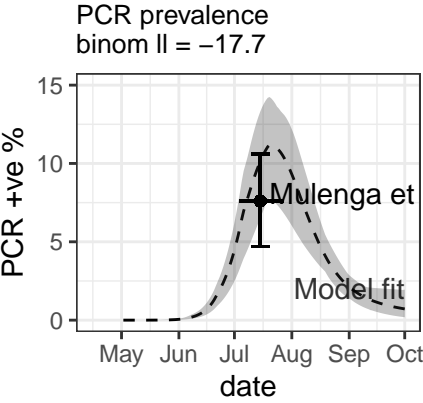
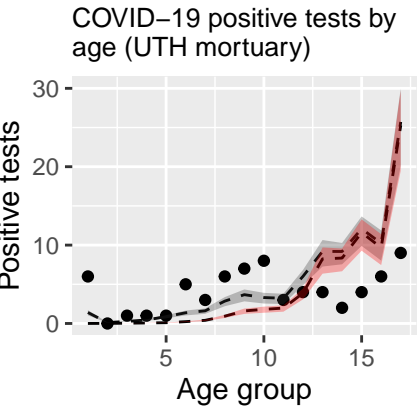
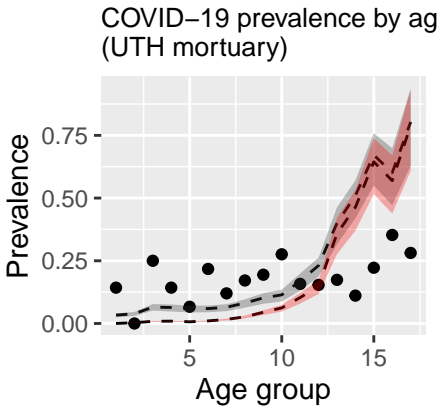
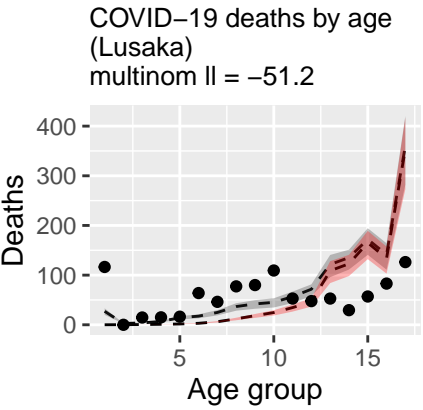
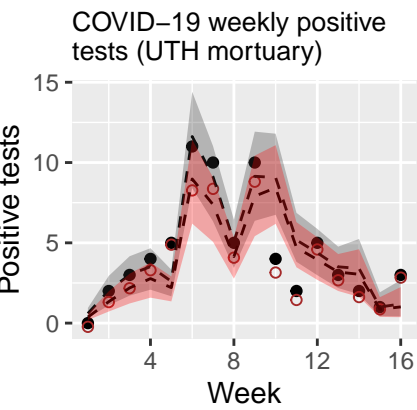
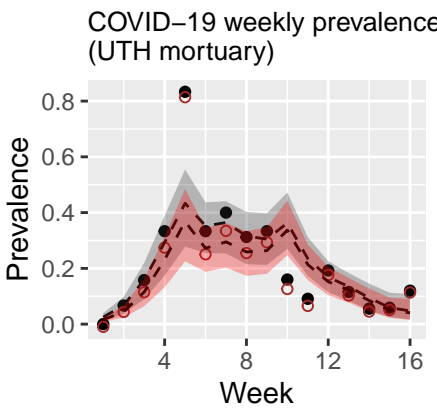
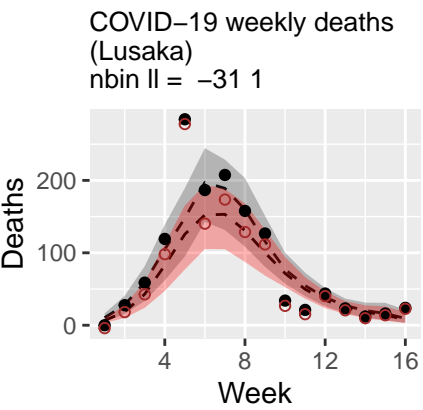


Seroprevalence  
binomial = -99.1



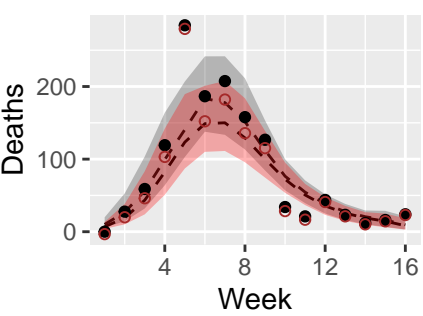
Combined prevalence  
binomial = -10.5



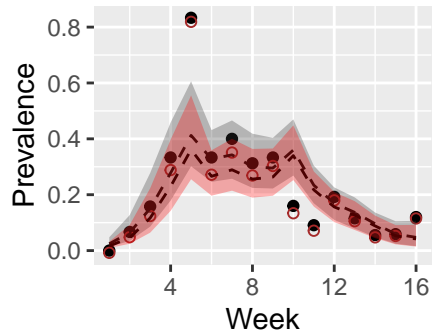


IFR x 1, Slope x 1.6

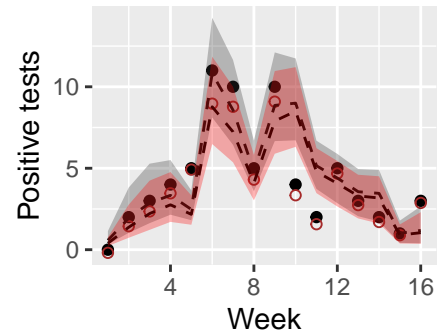
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



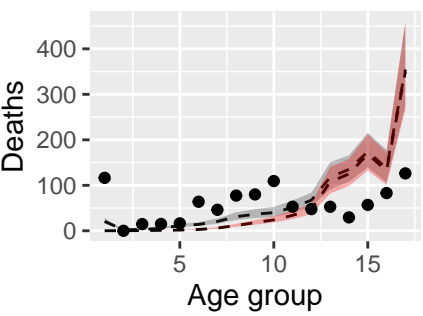
COVID-19 weekly prevalence  
(UTH mortuary)



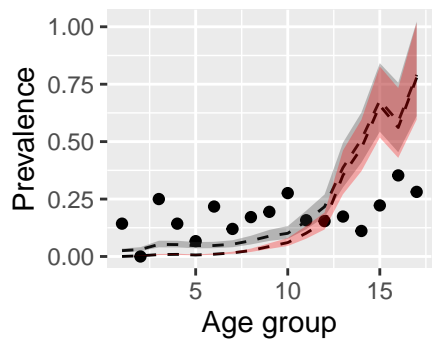
COVID-19 weekly positive tests  
(UTH mortuary)



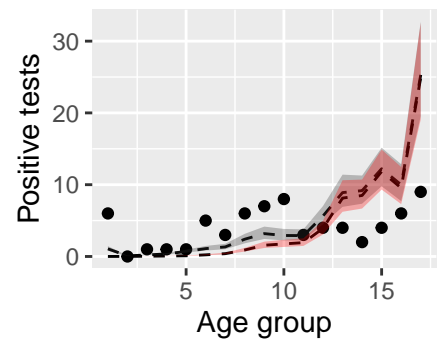
COVID-19 deaths by age  
(Lusaka)  
multinom II = -56



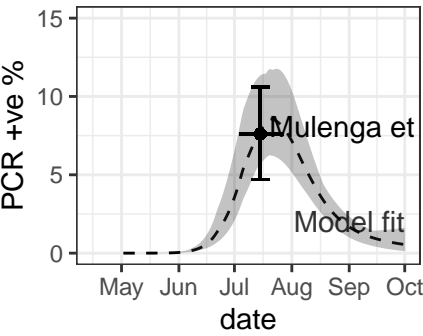
COVID-19 prevalence by age  
(UTH mortuary)



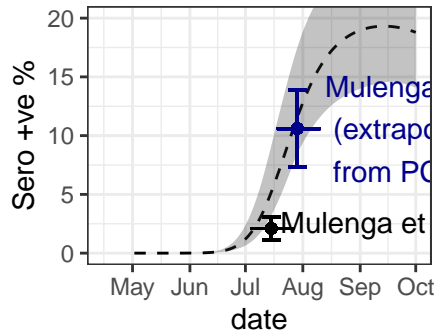
COVID-19 positive tests by age  
(UTH mortuary)



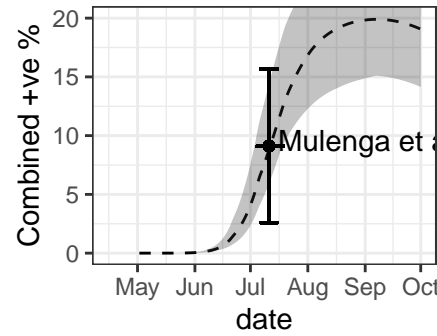
PCR prevalence  
binom II = -5.9



Seroprevalence  
binom II = -38.5

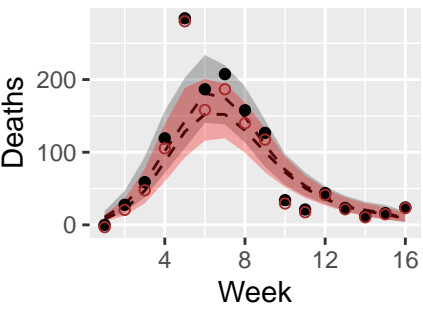


Combined prevalence  
binom II = -4.8

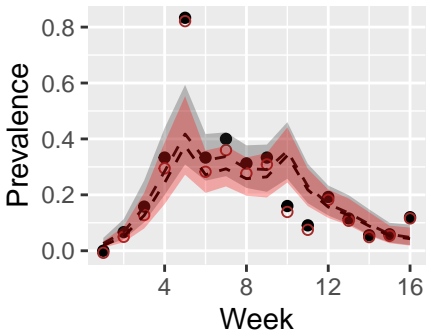




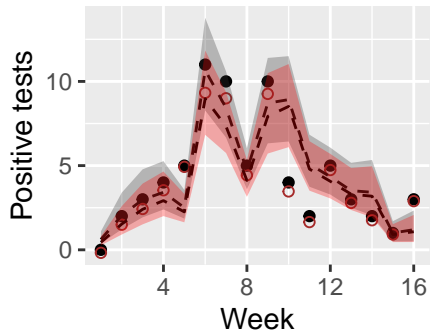
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



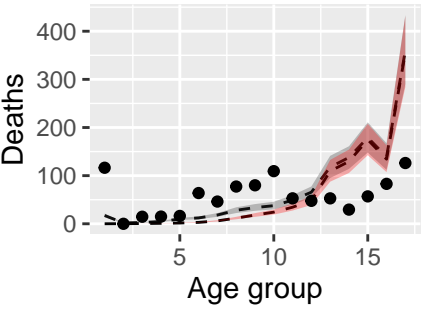
COVID-19 weekly prevalence  
(UTH mortuary)



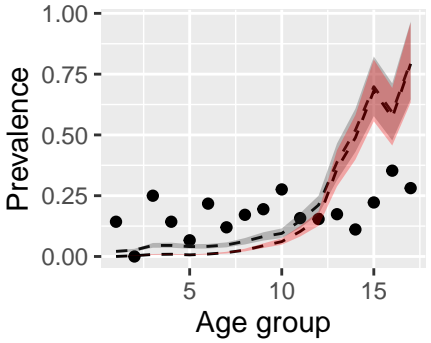
COVID-19 weekly positive tests  
(UTH mortuary)



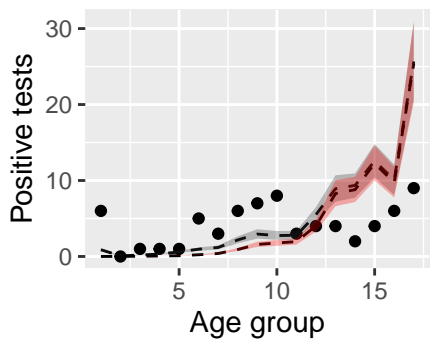
COVID-19 deaths by age  
(Lusaka)  
multinom II = -59.6



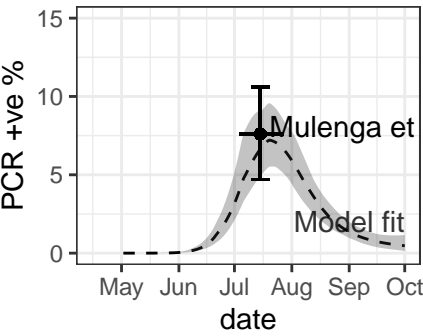
COVID-19 prevalence by age  
(UTH mortuary)



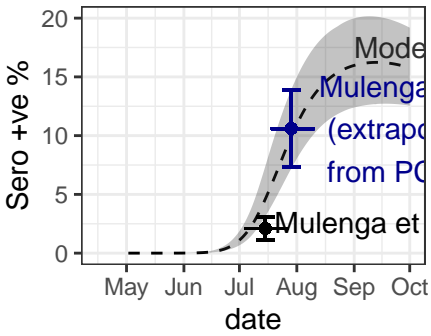
COVID-19 positive tests by age  
(UTH mortuary)



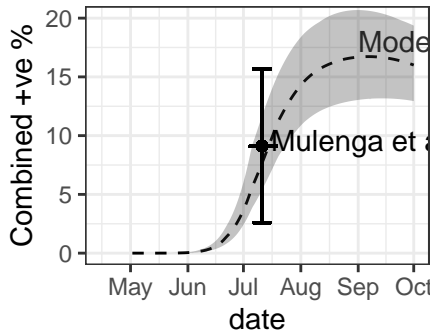
PCR prevalence  
binom II = -7.9



Seroprevalence  
binom II = -28.5

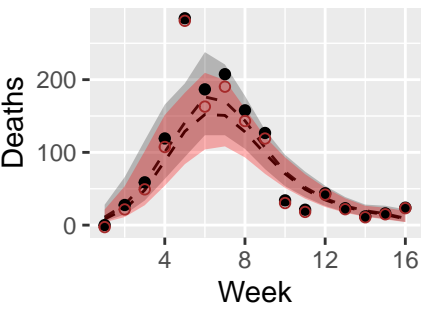


Combined prevalence  
binom II = -5

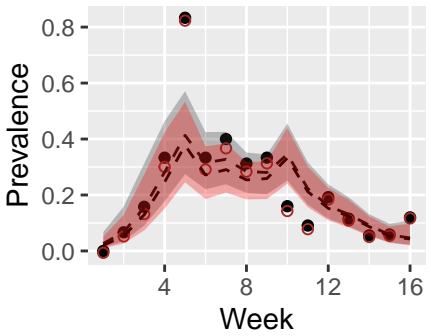


IFR x 1.4, Slope x 1.6

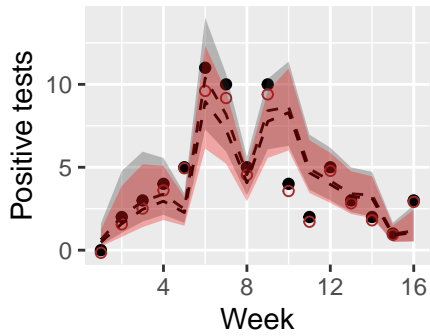
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



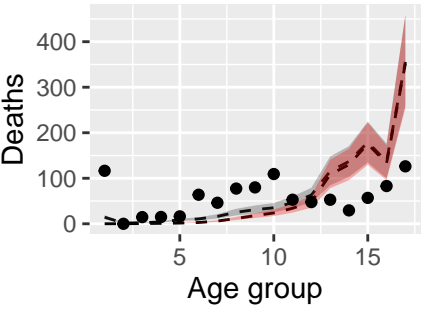
COVID-19 weekly prevalence  
(UTH mortuary)



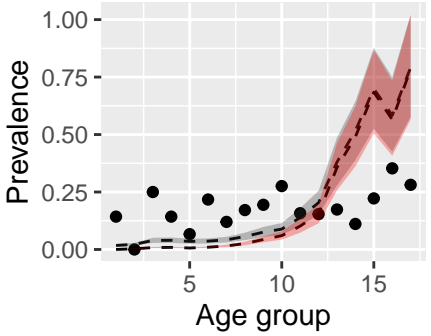
COVID-19 weekly positive tests  
(UTH mortuary)



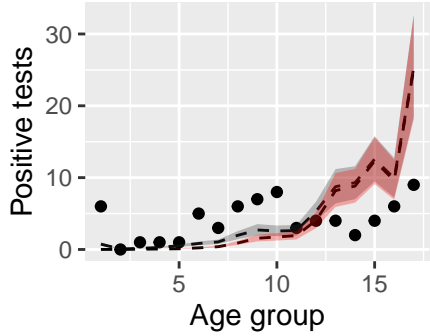
COVID-19 deaths by age  
(Lusaka)  
multinom II = -62.6



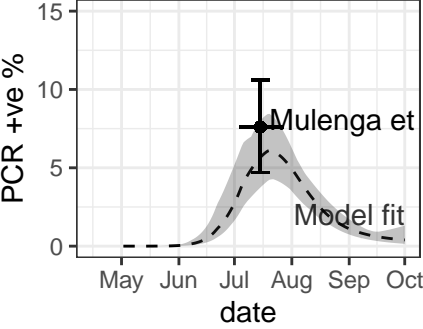
COVID-19 prevalence by age  
(UTH mortuary)



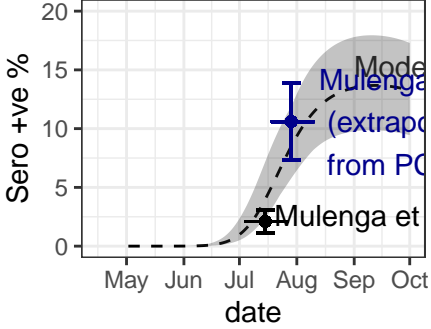
COVID-19 positive tests by age  
(UTH mortuary)



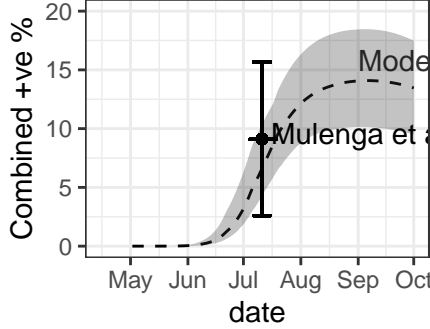
PCR prevalence  
binom II = -15.9



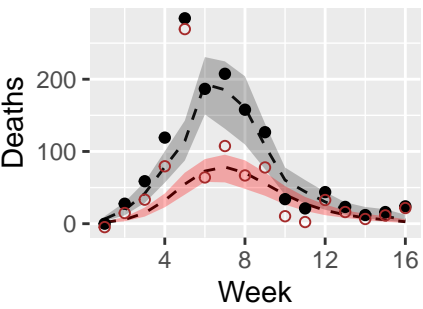
Seroprevalence  
binom II = -19.9



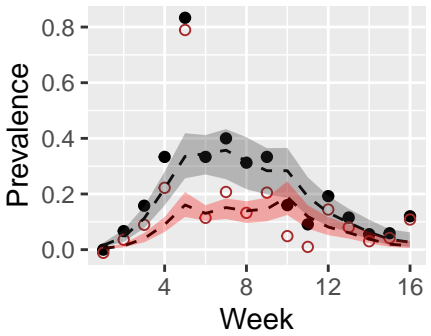
Combined prevalence  
binom II = -5.9



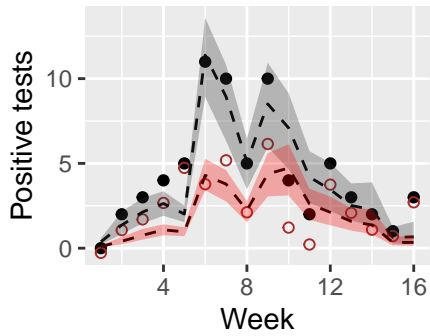
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -32.1



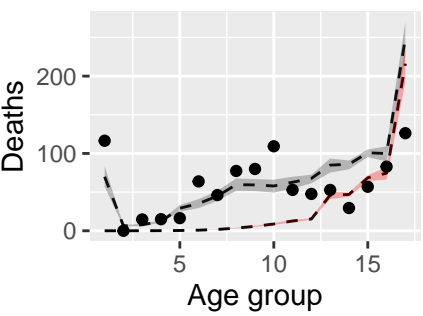
COVID-19 weekly prevalence  
(UTH mortuary)



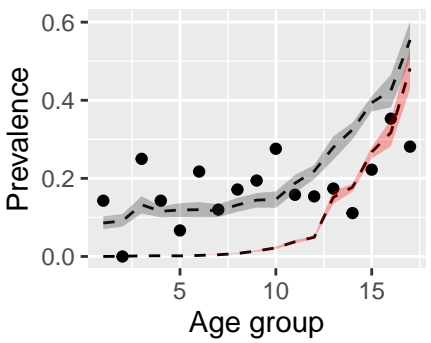
COVID-19 weekly positive tests  
(UTH mortuary)



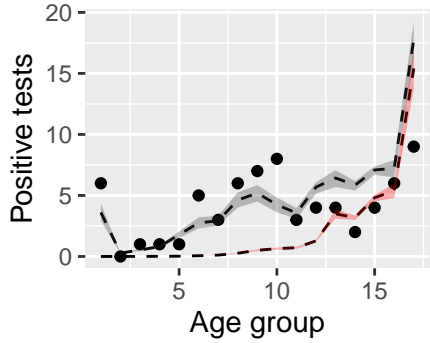
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.6



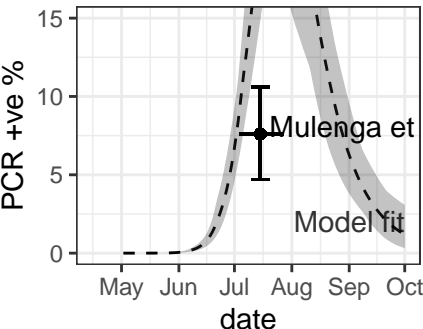
COVID-19 prevalence by age  
(UTH mortuary)



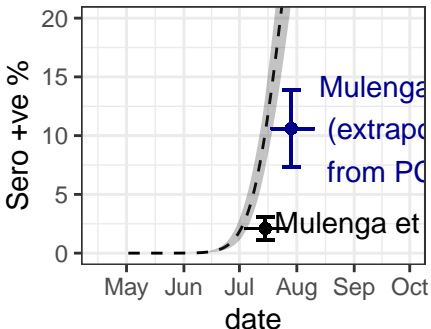
COVID-19 positive tests by age  
(UTH mortuary)



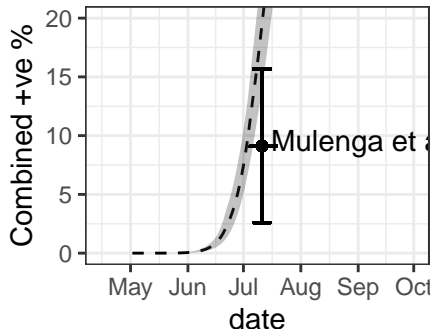
PCR prevalence  
binom II = -184.6



Seroprevalence  
binom II = -147.1

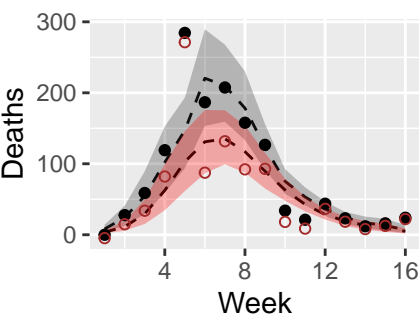


Combined prevalence  
binom II = -23.4

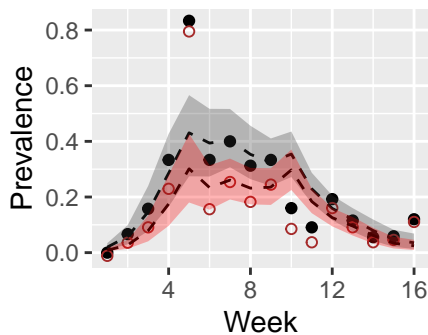


IFR x 0.4, Slope x 1.8

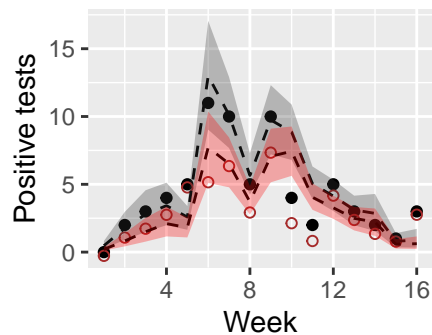
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



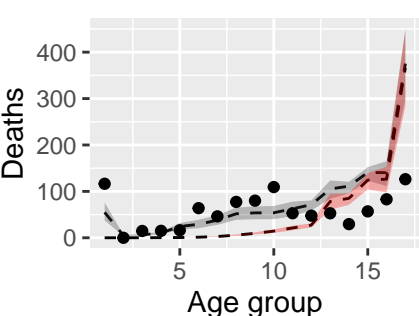
COVID-19 weekly prevalence  
(UTH mortuary)



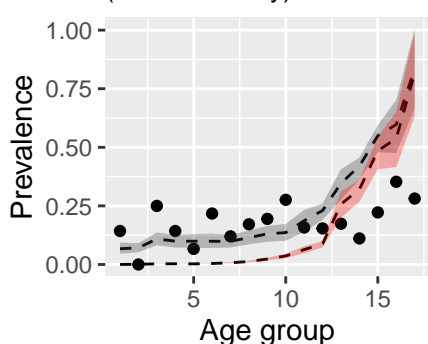
COVID-19 weekly positive tests  
(UTH mortuary)



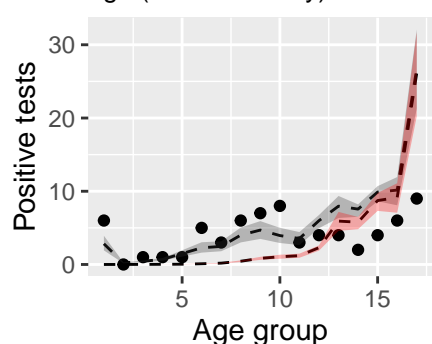
COVID-19 deaths by age  
(Lusaka)  
multinom II = -40.3



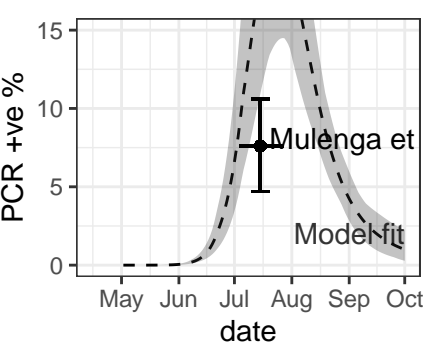
COVID-19 prevalence by age  
(UTH mortuary)



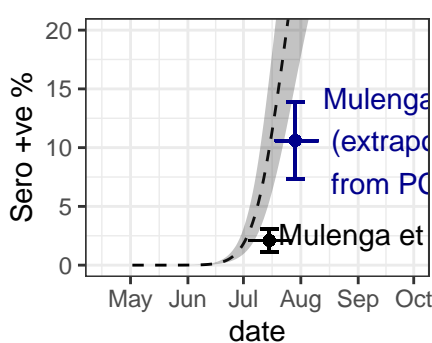
COVID-19 positive tests by age  
(UTH mortuary)



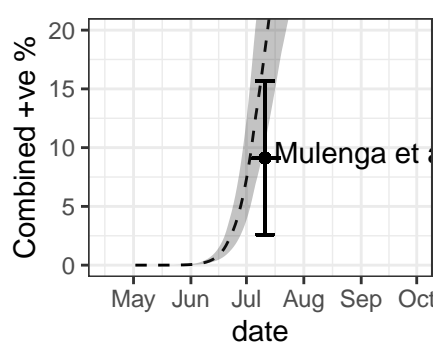
PCR prevalence  
binom II = -143.2



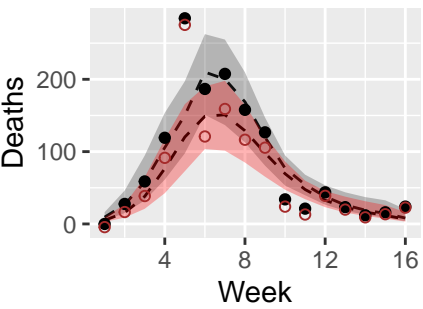
Seroprevalence  
binom II = -139.2



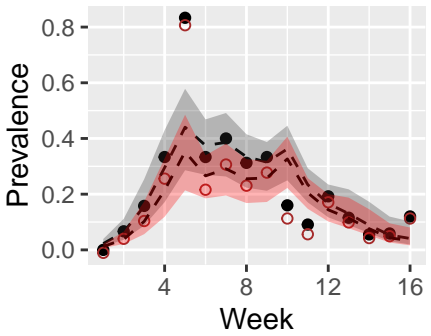
Combined prevalence  
binom II = -19.5



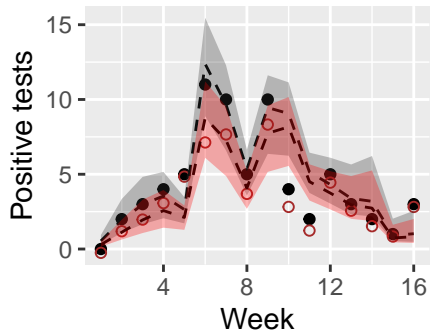
COVID-19 weekly deaths  
(Lusaka)  
nbino II = -31.1



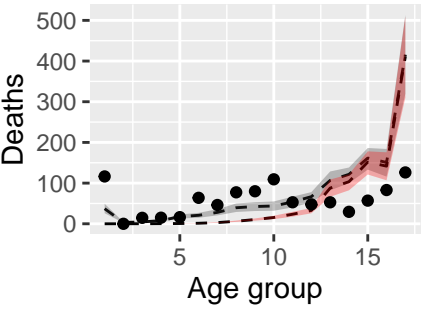
COVID-19 weekly prevalence  
(UTH mortuary)



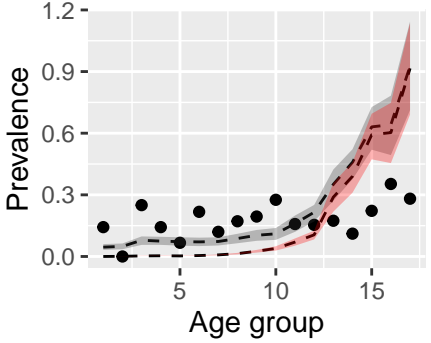
COVID-19 weekly positive tests  
(UTH mortuary)



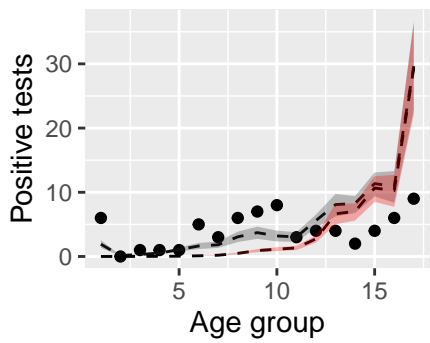
COVID-19 deaths by age  
(Lusaka)  
multinom II = -49.2



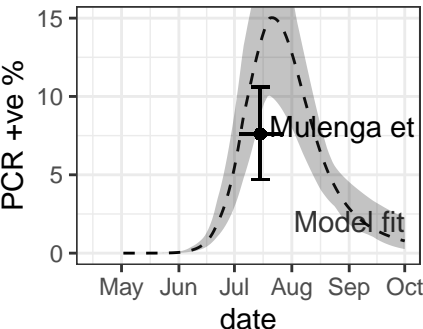
COVID-19 prevalence by age  
(UTH mortuary)



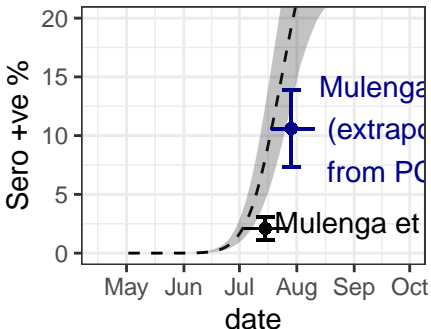
COVID-19 positive tests by age  
(UTH mortuary)



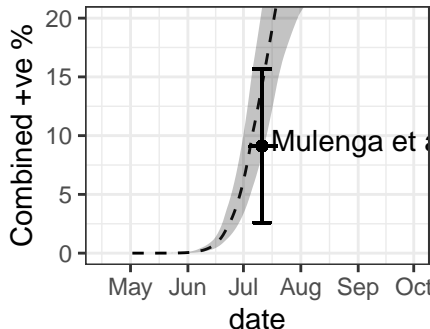
PCR prevalence  
binom II = -57.9



Seroprevalence  
binom II = -96.2

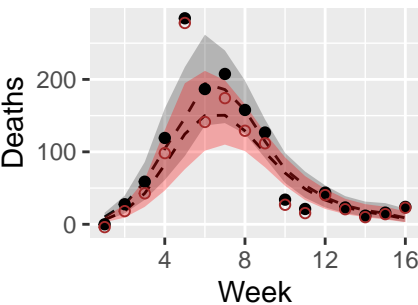


Combined prevalence  
binom II = -10.6

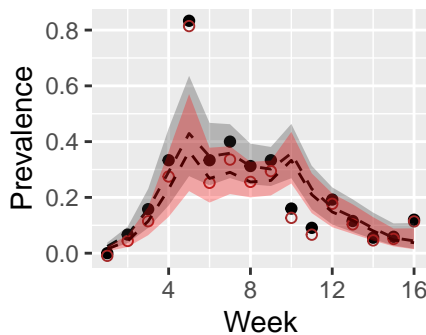


IFR x 0.8, Slope x 1.8

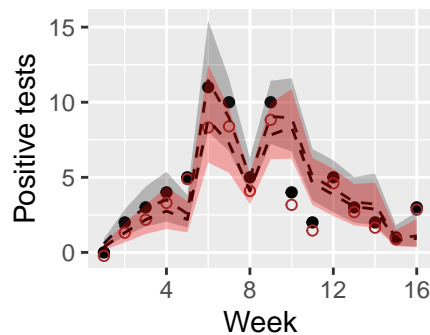
COVID-19 weekly deaths  
(Lusaka)  
nbino II = -31.1



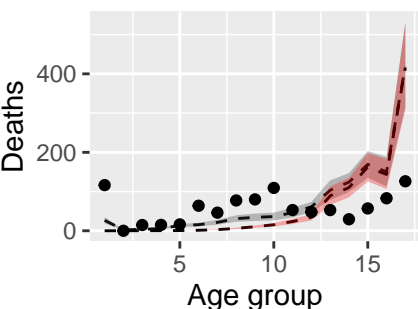
COVID-19 weekly prevalence  
(UTH mortuary)



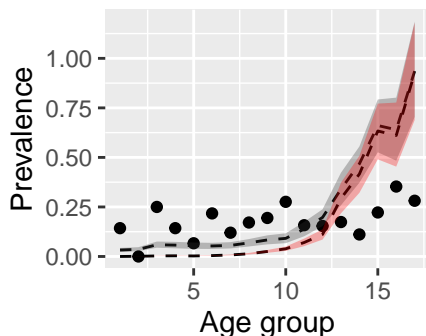
COVID-19 weekly positive tests  
(UTH mortuary)



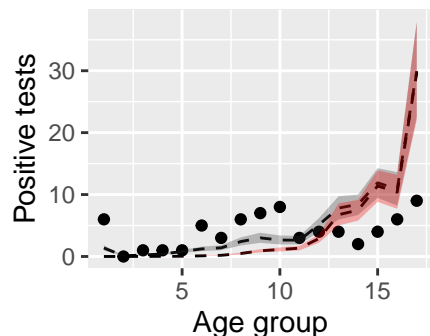
COVID-19 deaths by age  
(Lusaka)  
multinom II = -56.3



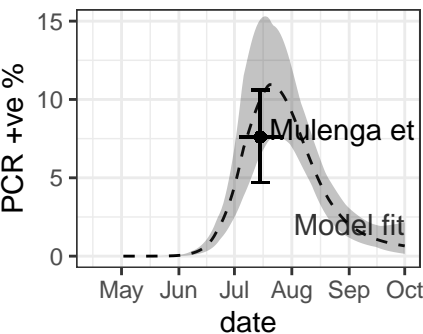
COVID-19 prevalence by age  
(UTH mortuary)



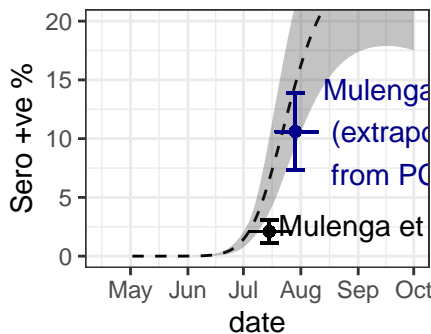
COVID-19 positive tests by age  
(UTH mortuary)



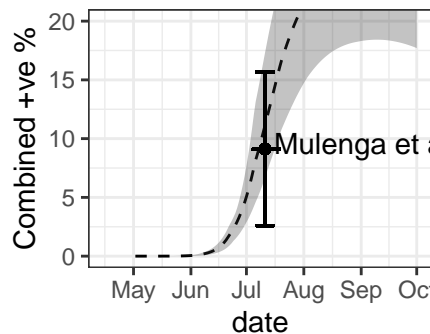
PCR prevalence  
binom II = -17.1



Seroprevalence  
binom II = -62.9

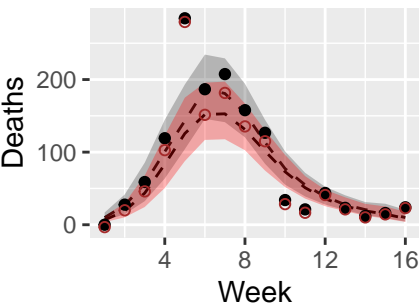


Combined prevalence  
binom II = -6.1

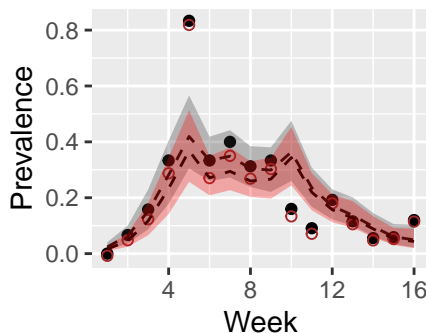


IFR x 1, Slope x 1.8

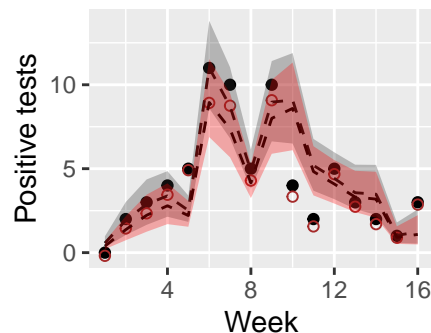
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -31.1



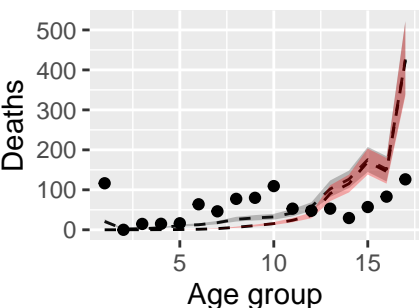
COVID-19 weekly prevalence  
(UTH mortuary)



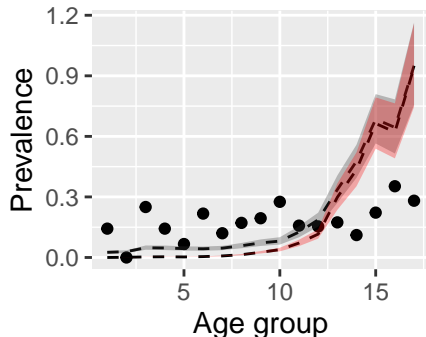
COVID-19 weekly positive tests  
(UTH mortuary)



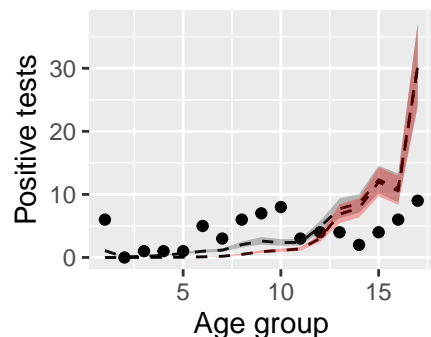
COVID-19 deaths by age  
(Lusaka)  
multinom II = -61.8



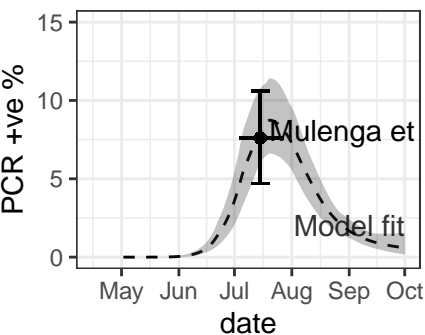
COVID-19 prevalence by age  
(UTH mortuary)



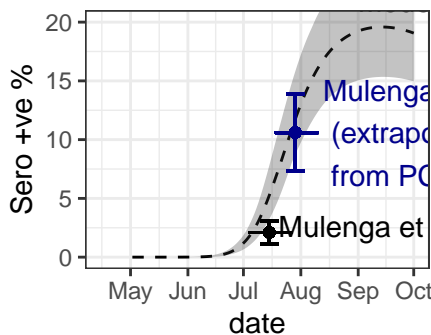
COVID-19 positive tests by age  
(UTH mortuary)



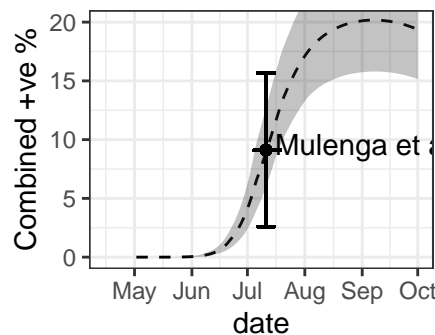
PCR prevalence  
binom II = -6.4



Seroprevalence  
binom II = -39.7

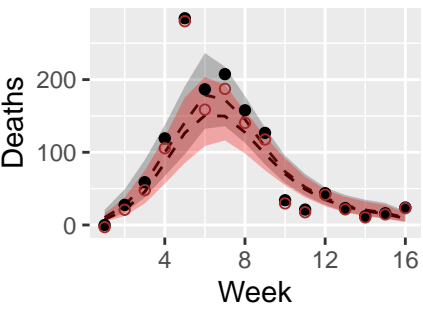


Combined prevalence  
binom II = -4.9

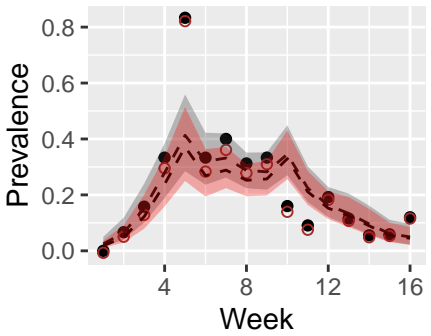


IFR x 1.2, Slope x 1.8

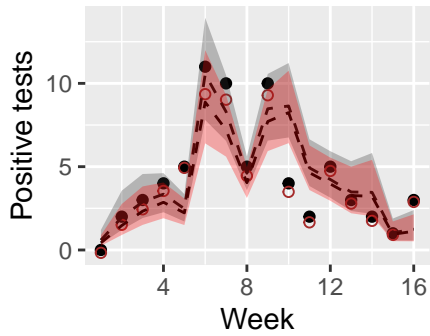
COVID-19 weekly deaths  
(Lusaka)  
nbins = 31



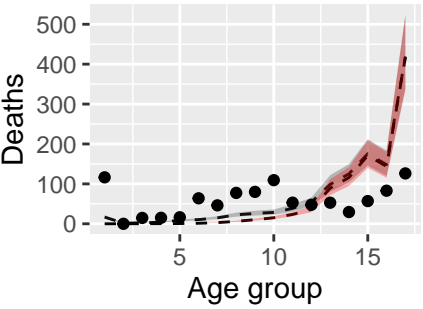
COVID-19 weekly prevalence  
(UTH mortuary)



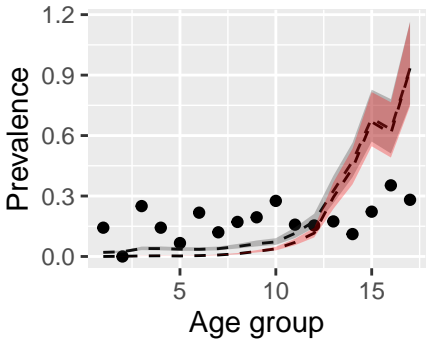
COVID-19 weekly positive tests  
(UTH mortuary)



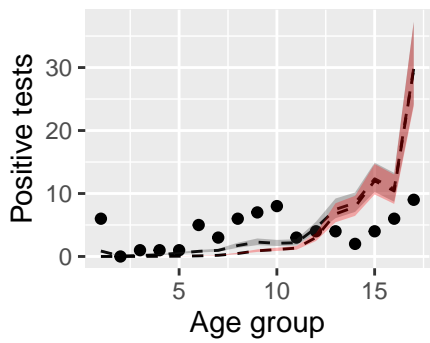
COVID-19 deaths by age  
(Lusaka)  
multinomial = -66.4



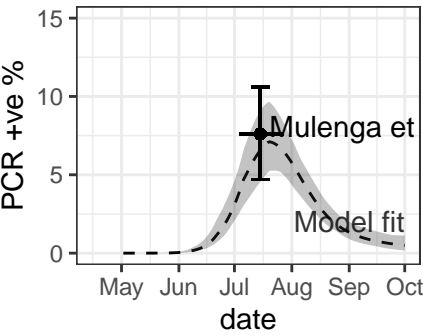
COVID-19 prevalence by age  
(UTH mortuary)



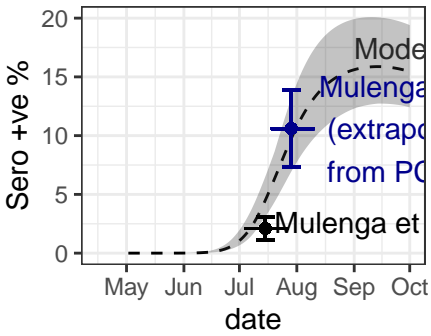
COVID-19 positive tests by age  
(UTH mortuary)



PCR prevalence  
binomial = -8.3



Seroprevalence  
binomial = -26.9



Combined prevalence  
binomial = -5.1

