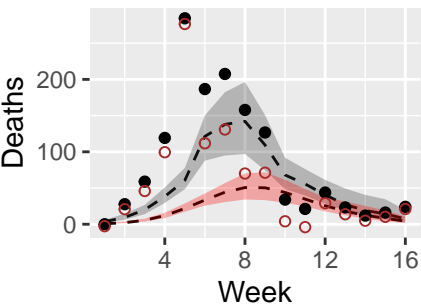
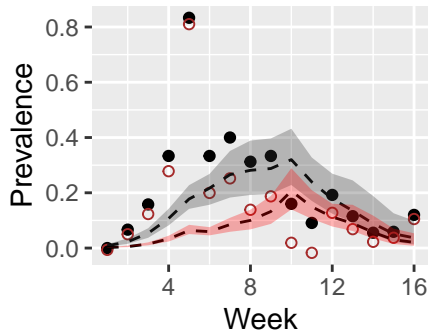


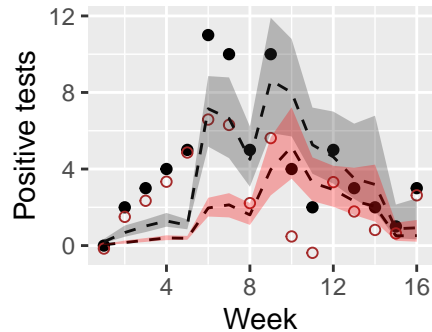
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -39 1



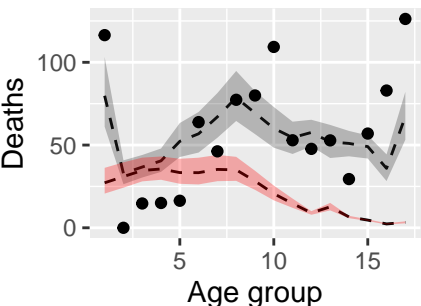
COVID-19 weekly prevalence  
(UTH mortuary)



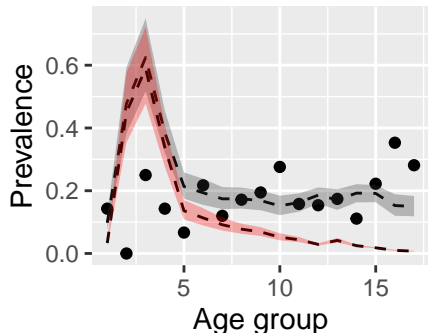
COVID-19 weekly positive tests  
(UTH mortuary)



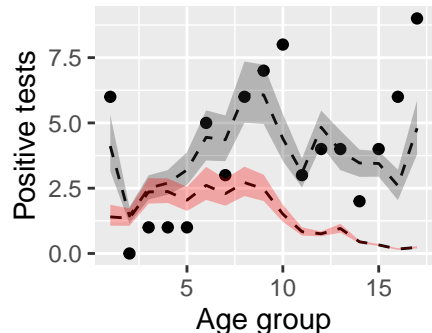
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.4



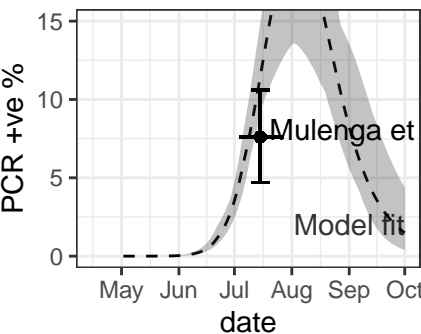
COVID-19 prevalence by age  
(UTH mortuary)



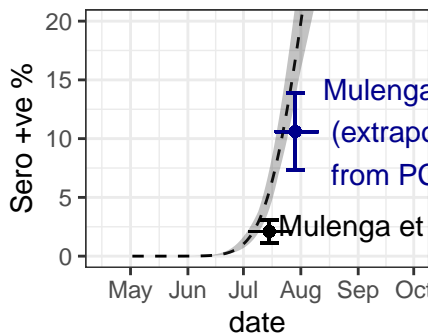
COVID-19 positive tests by age  
(UTH mortuary)



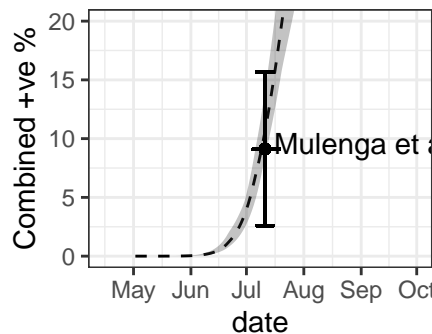
PCR prevalence  
binom II = -30 1



Seroprevalence  
binom II = -44 1

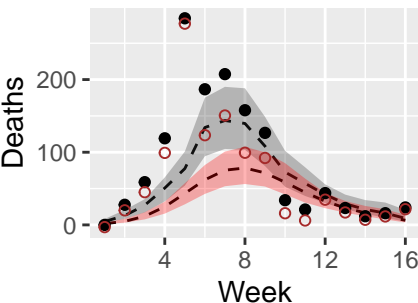


Combined prevalence  
binom II = -8 1

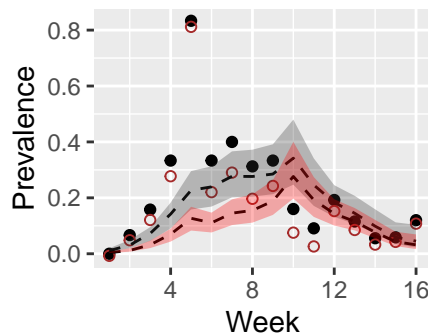


IFR x 0.4, Slope x 0.2

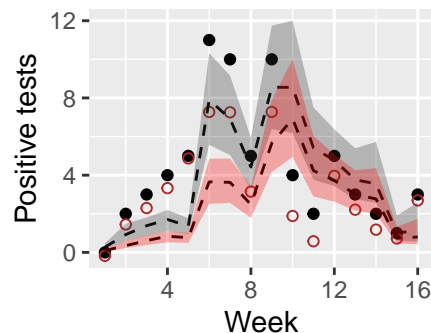
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -36 1



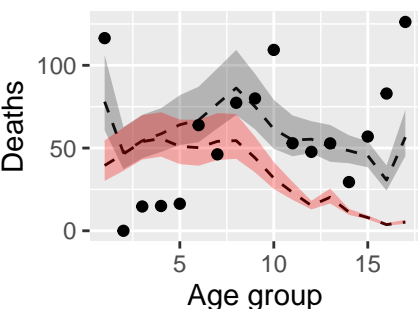
COVID-19 weekly prevalence  
(UTH mortuary)



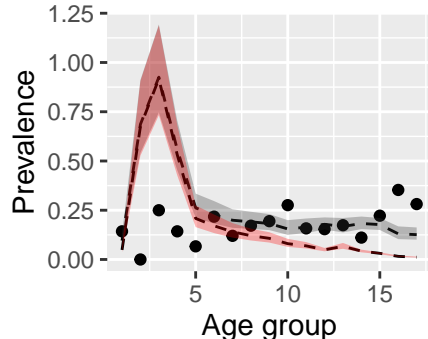
COVID-19 weekly positive tests  
(UTH mortuary)



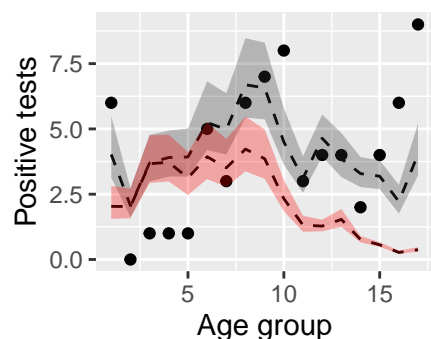
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.8



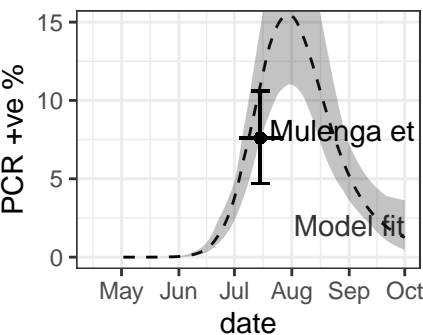
COVID-19 prevalence by age  
(UTH mortuary)



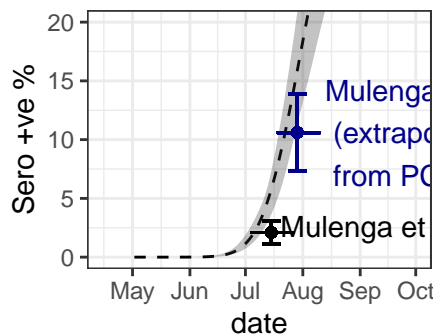
COVID-19 positive tests by age  
(UTH mortuary)



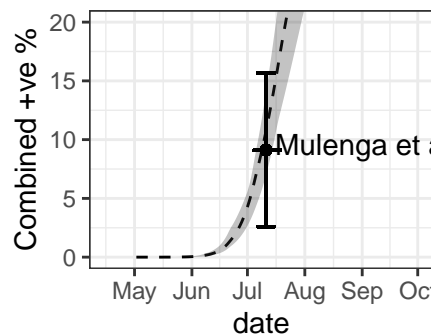
PCR prevalence  
binom II = -25 1



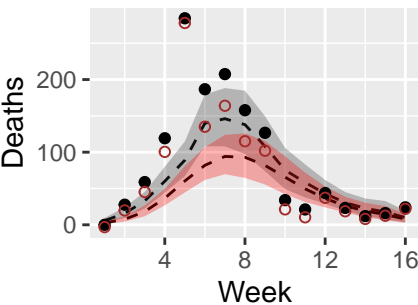
Seroprevalence  
binom II = -49 1



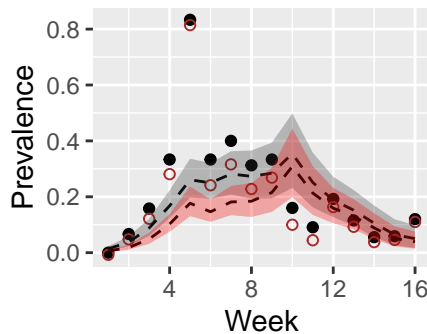
Combined prevalence  
binom II = -7 1



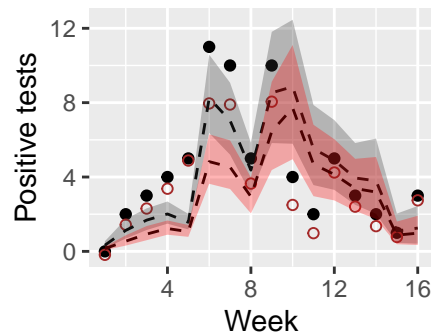
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -35 1



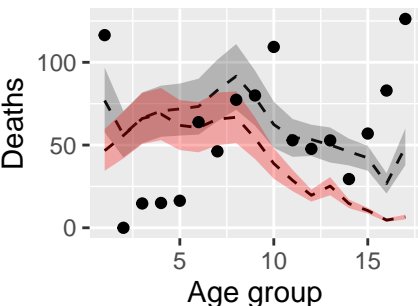
COVID-19 weekly prevalence  
(UTH mortuary)



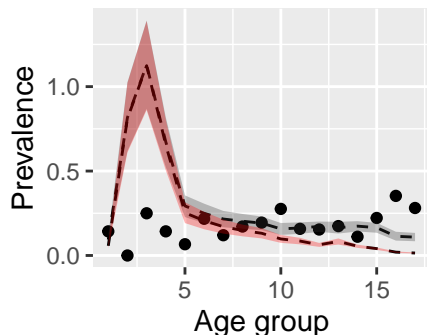
COVID-19 weekly positive tests  
(UTH mortuary)



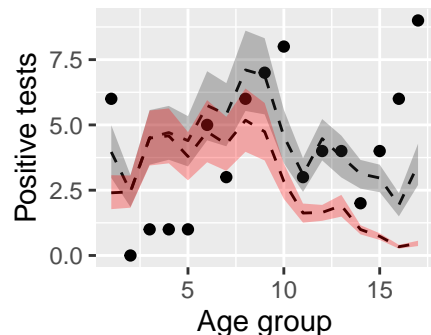
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.2



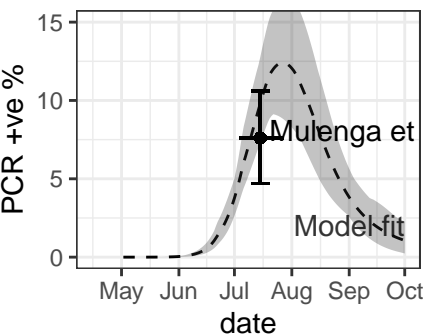
COVID-19 prevalence by age  
(UTH mortuary)



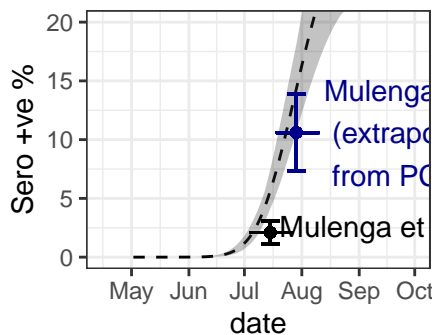
COVID-19 positive tests by age  
(UTH mortuary)



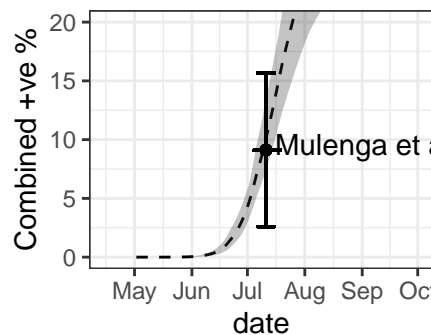
PCR prevalence  
binom II = -14 1



Seroprevalence  
binom II = -46 1

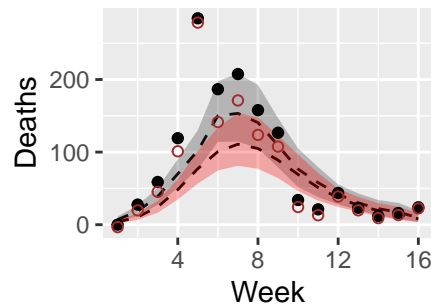


Combined prevalence  
binom II = -6 1

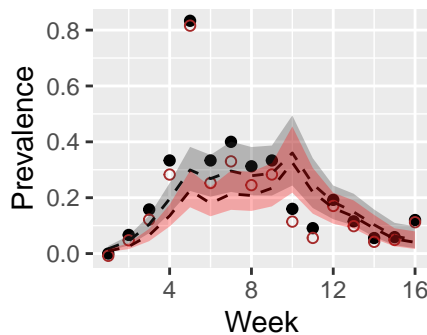


IFR x 0.8, Slope x 0.2

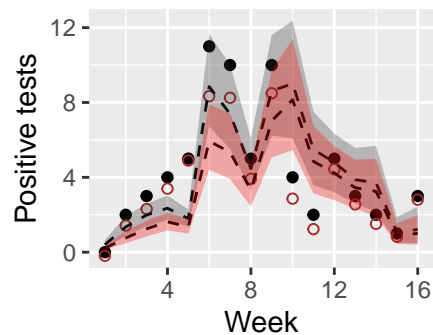
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



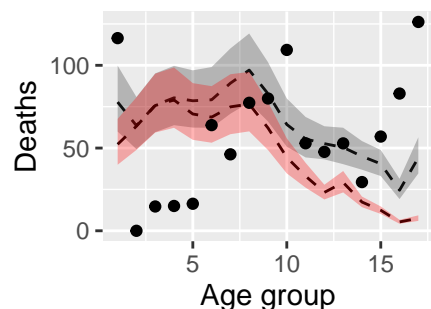
COVID-19 weekly prevalence  
(UTH mortuary)



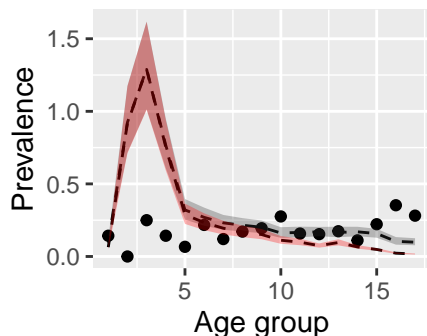
COVID-19 weekly positive tests  
(UTH mortuary)



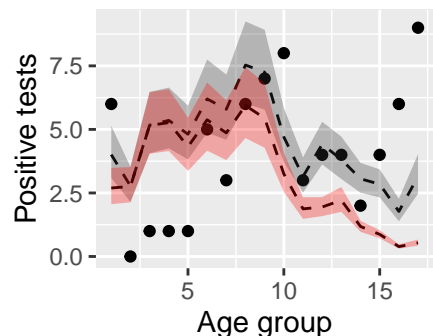
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.9



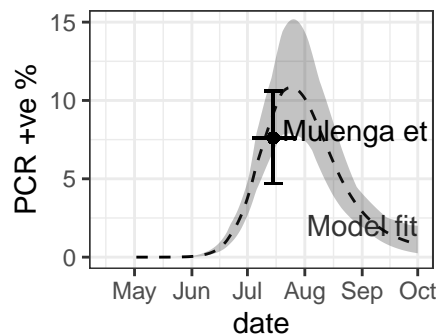
COVID-19 prevalence by age  
(UTH mortuary)



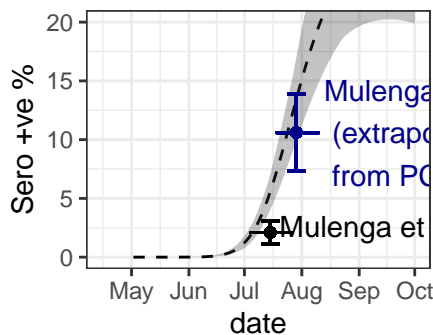
COVID-19 positive tests by age  
(UTH mortuary)



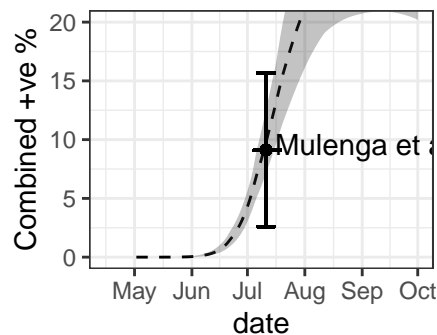
PCR prevalence  
binom II = -10 1



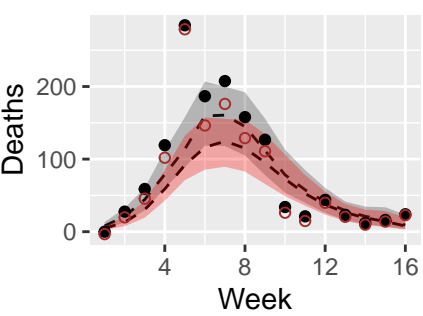
Seroprevalence  
binom II = -45 1



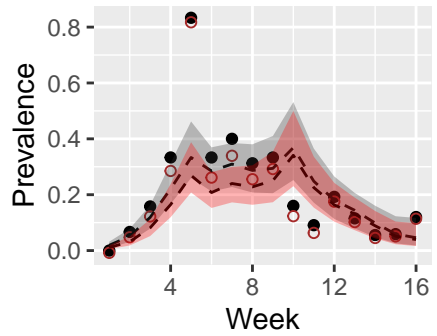
Combined prevalence  
binom II = -5 1



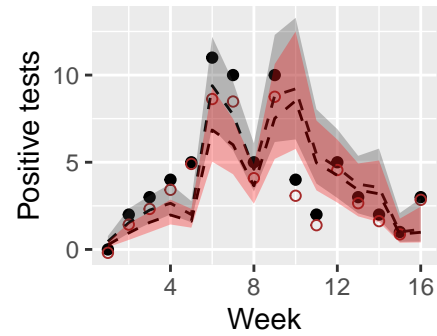
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



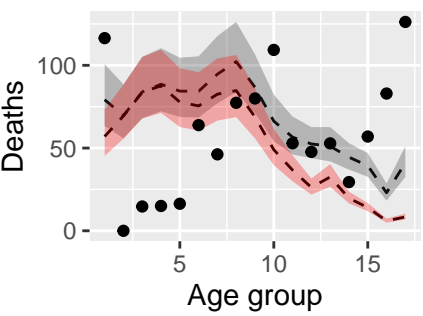
COVID-19 weekly prevalence  
(UTH mortuary)



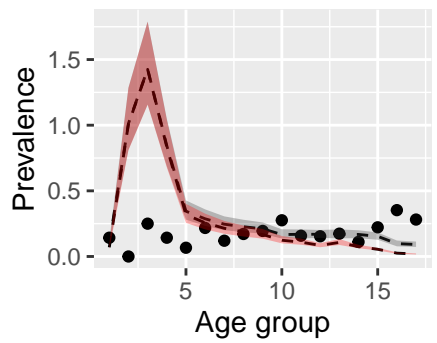
COVID-19 weekly positive tests  
(UTH mortuary)



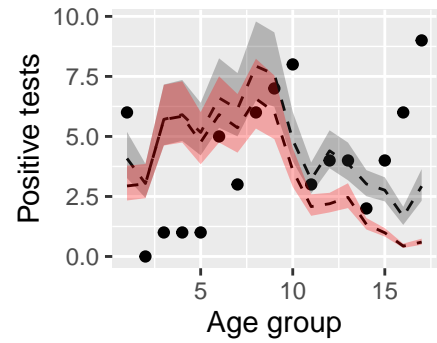
COVID-19 deaths by age  
(Lusaka)  
multinom II = -44



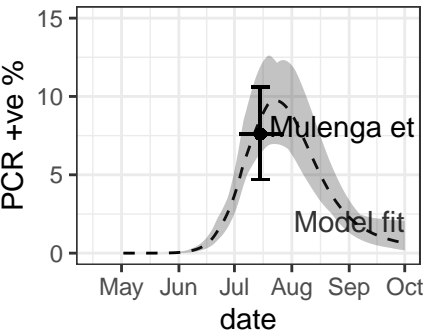
COVID-19 prevalence by age  
(UTH mortuary)



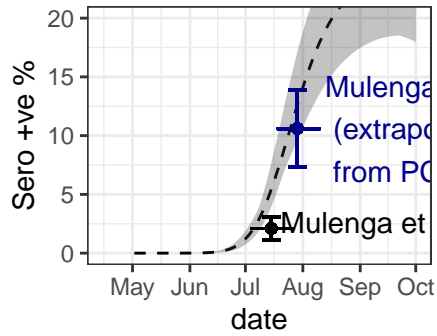
COVID-19 positive tests by age  
(UTH mortuary)



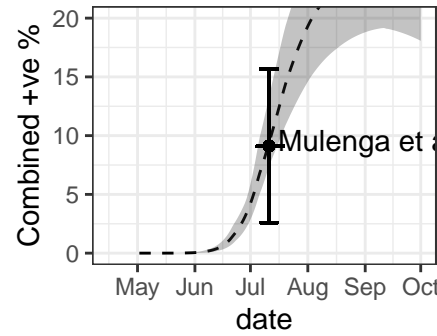
PCR prevalence  
binom II = -7 1



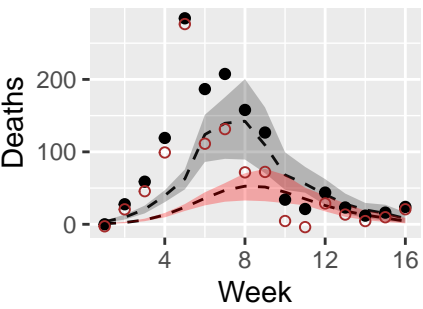
Seroprevalence  
binom II = -42 1



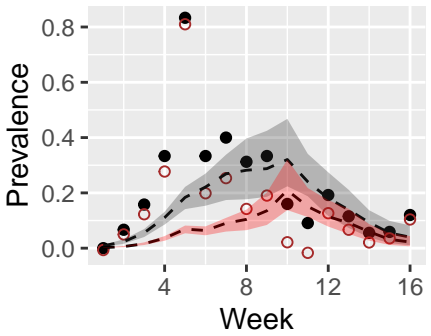
Combined prevalence  
binom II = -5 1



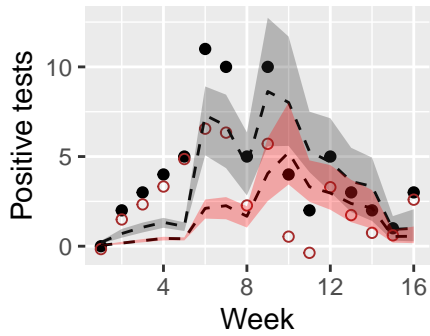
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -38 1



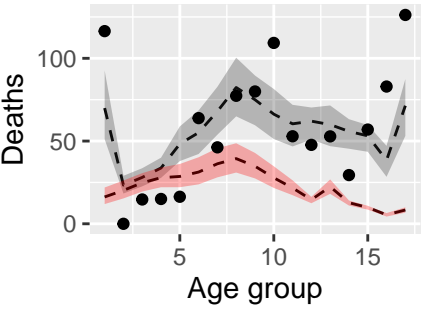
COVID-19 weekly prevalence  
(UTH mortuary)



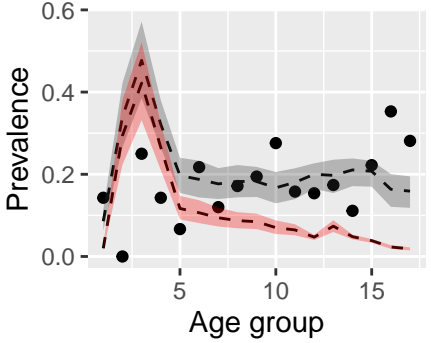
COVID-19 weekly positive tests  
(UTH mortuary)



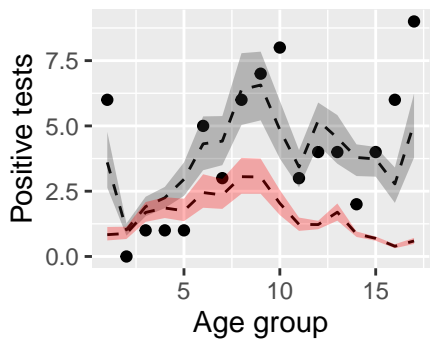
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30



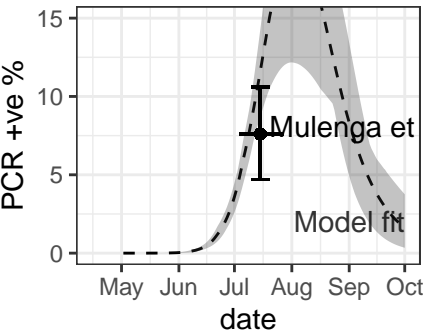
COVID-19 prevalence by age  
(UTH mortuary)



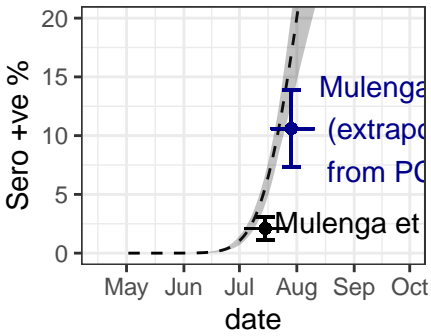
COVID-19 positive tests by age  
(UTH mortuary)



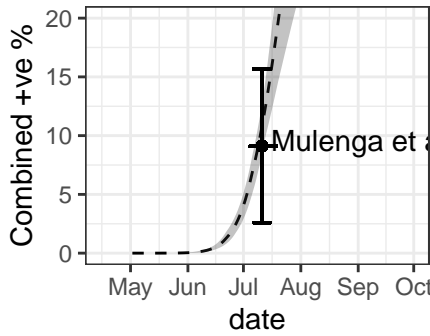
PCR prevalence  
binom II = -31 1



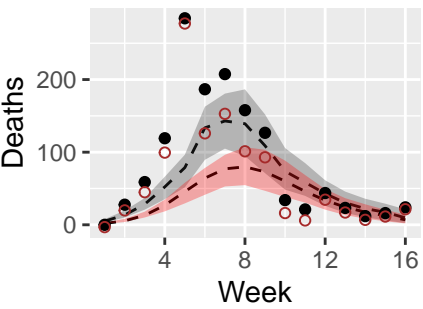
Seroprevalence  
binom II = -45 1



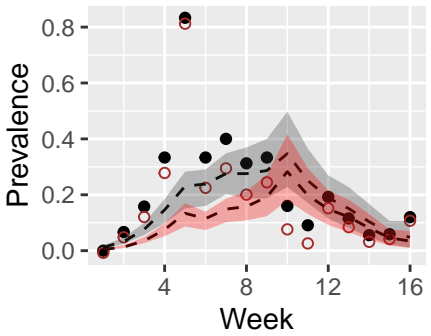
Combined prevalence  
binom II = -8 1



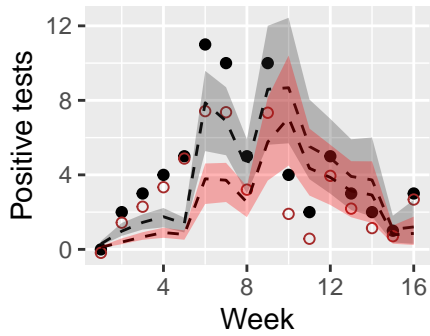
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -36 1



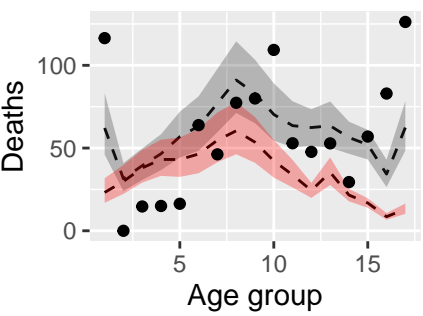
COVID-19 weekly prevalence  
(UTH mortuary)



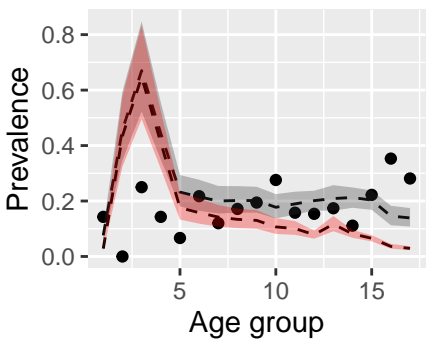
COVID-19 weekly positive tests  
(UTH mortuary)



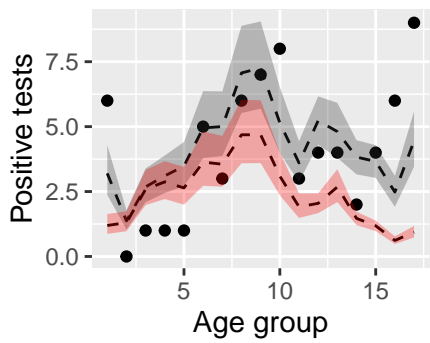
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.2



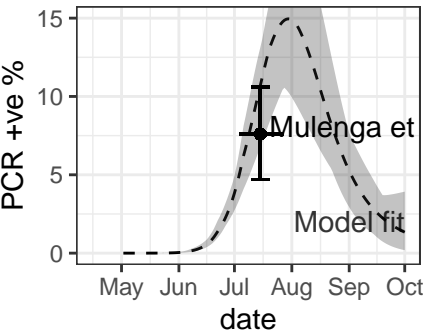
COVID-19 prevalence by age  
(UTH mortuary)



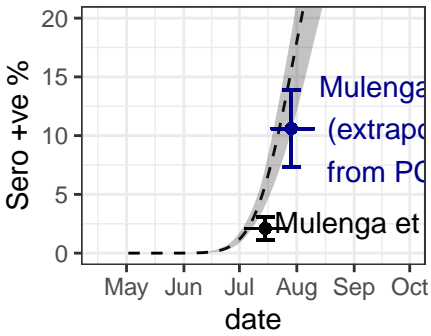
COVID-19 positive tests by age  
(UTH mortuary)



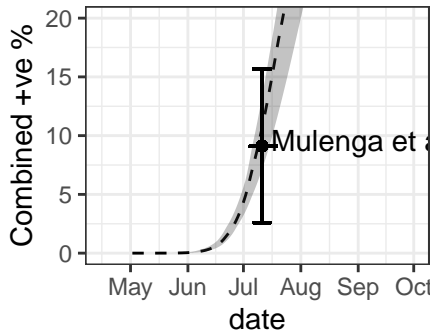
PCR prevalence  
binom II = -22 1



Seroprevalence  
binom II = -49 1

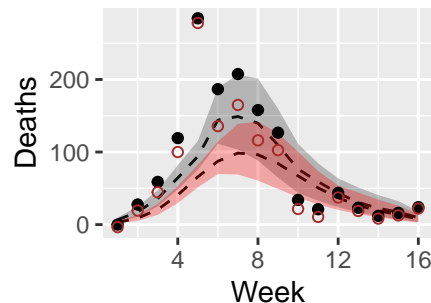


Combined prevalence  
binom II = -7 1

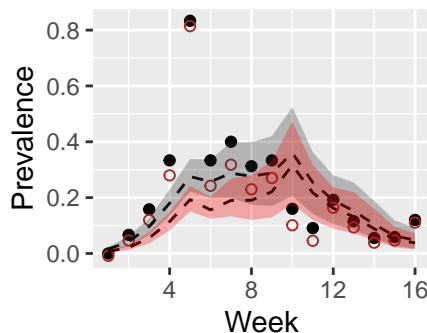


IFR x 0.6, Slope x 0.4

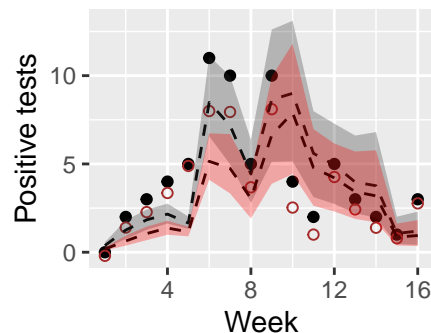
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -35 1



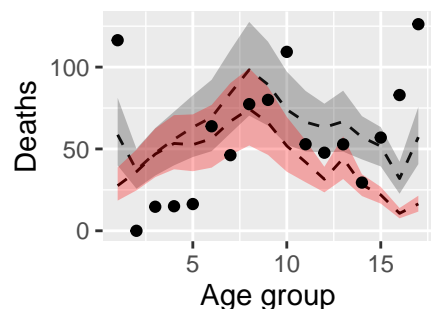
COVID-19 weekly prevalence  
(UTH mortuary)



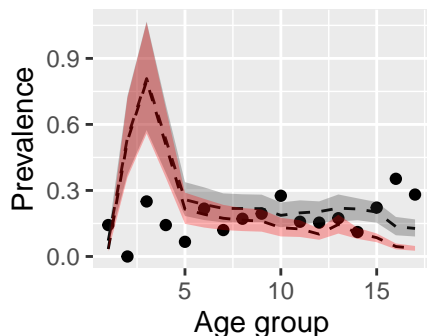
COVID-19 weekly positive tests  
(UTH mortuary)



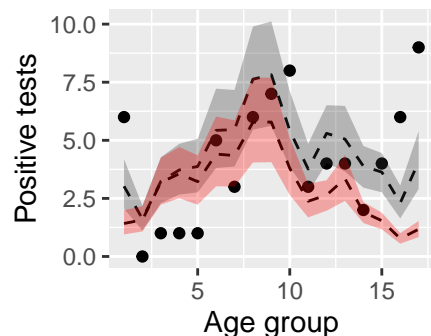
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.5



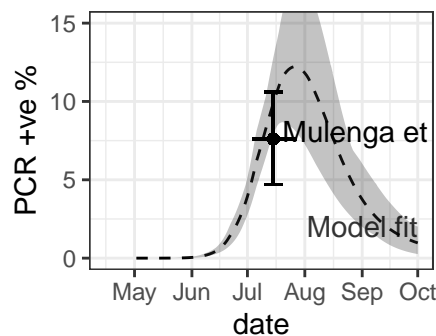
COVID-19 prevalence by age  
(UTH mortuary)



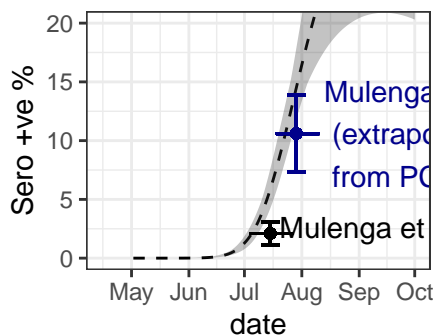
COVID-19 positive tests by age  
(UTH mortuary)



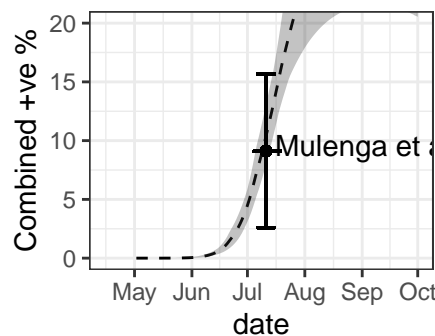
PCR prevalence  
binom II = -15 1



Seroprevalence  
binom II = -50 1



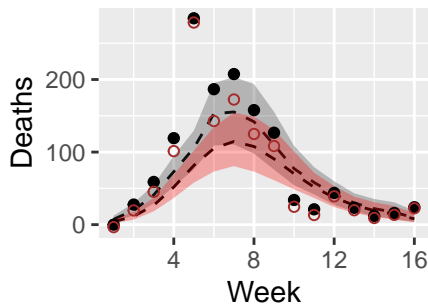
Combined prevalence  
binom II = -6 1



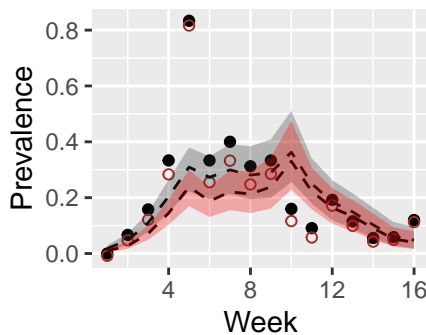


IFR x 0.8, Slope x 0.4

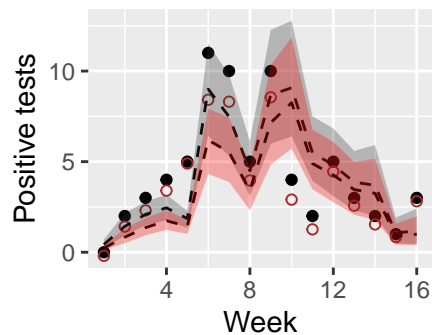
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



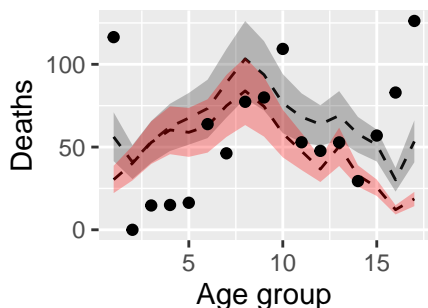
COVID-19 weekly prevalence  
(UTH mortuary)



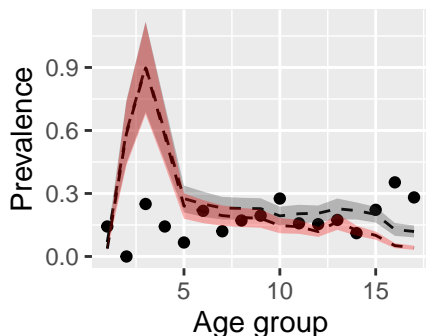
COVID-19 weekly positive tests  
(UTH mortuary)



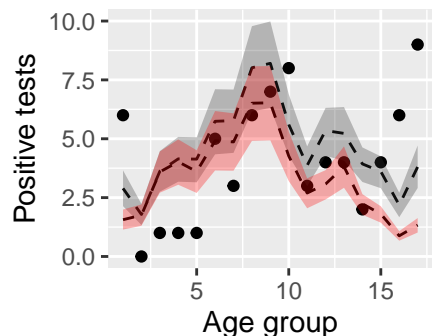
COVID-19 deaths by age  
(Lusaka)  
multinom II = -37.2



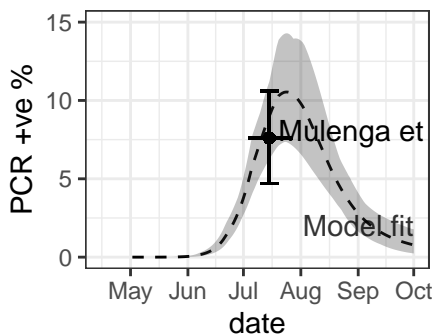
COVID-19 prevalence by age  
(UTH mortuary)



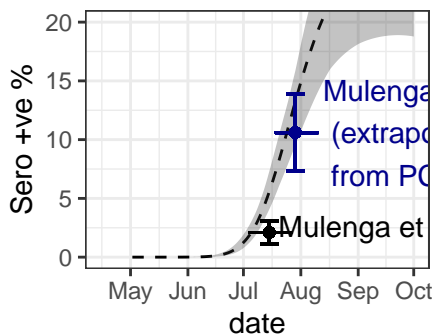
COVID-19 positive tests by age  
(UTH mortuary)



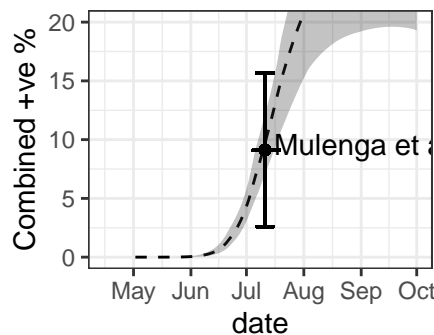
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -45 1

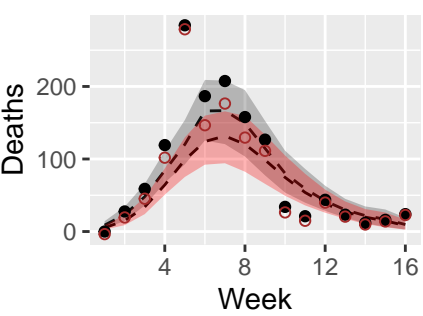


Combined prevalence  
binom II = -5 1

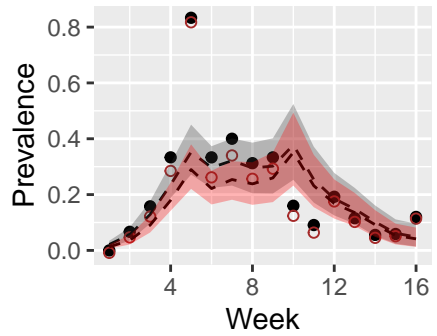


IFR x 1, Slope x 0.4

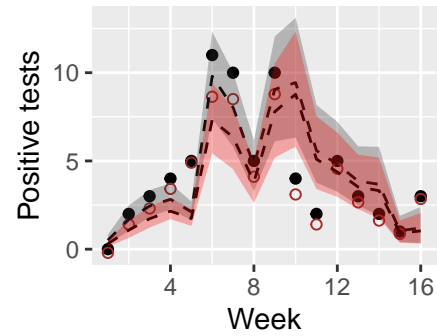
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



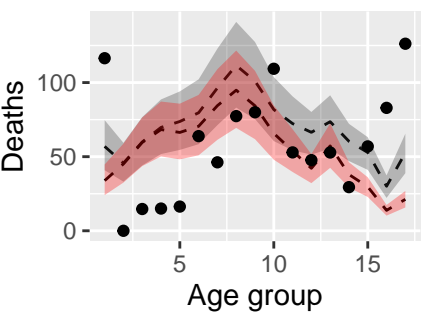
COVID-19 weekly prevalence  
(UTH mortuary)



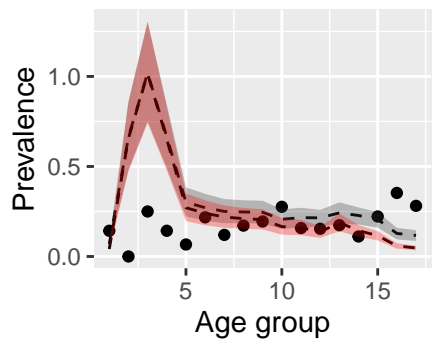
COVID-19 weekly positive tests  
(UTH mortuary)



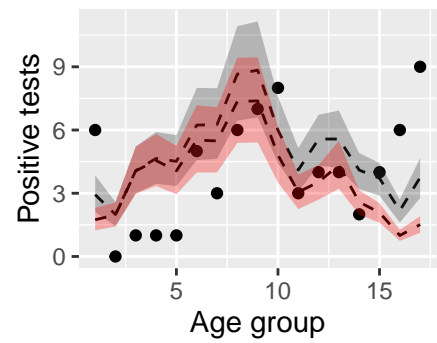
COVID-19 deaths by age  
(Lusaka)  
multinom II = -38.6



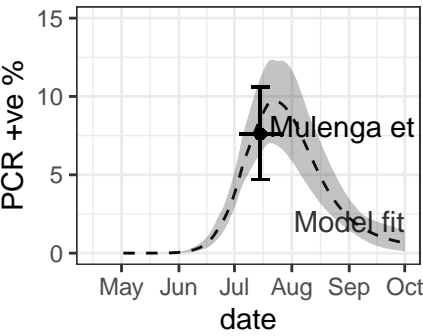
COVID-19 prevalence by age  
(UTH mortuary)



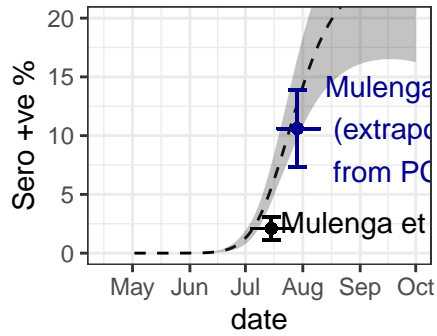
COVID-19 positive tests by age  
(UTH mortuary)



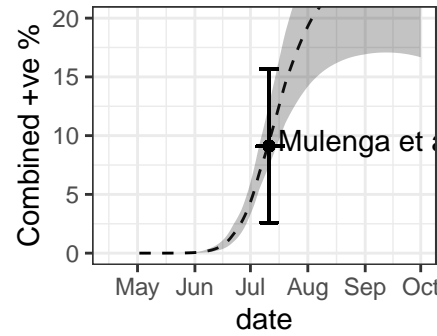
PCR prevalence  
binom II = -7 1



Seroprevalence  
binom II = -44 1

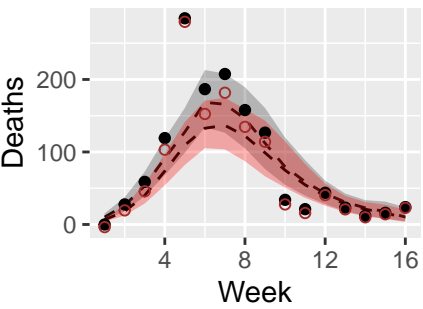


Combined prevalence  
binom II = -5 1

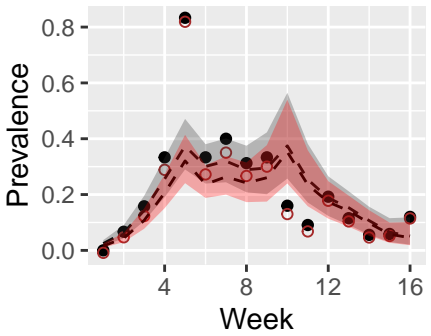


IFR x 1.2, Slope x 0.4

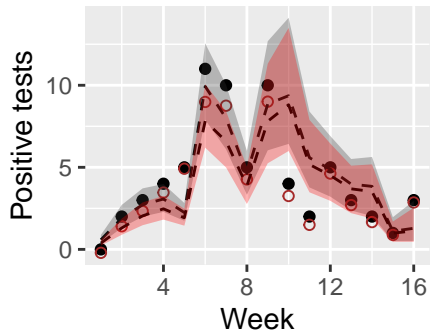
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



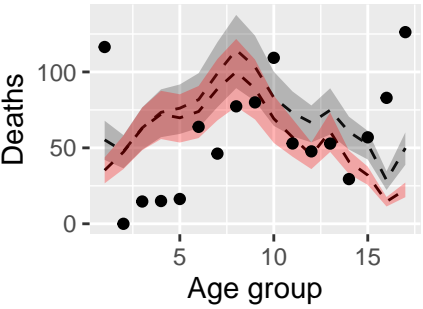
COVID-19 weekly prevalence  
(UTH mortuary)



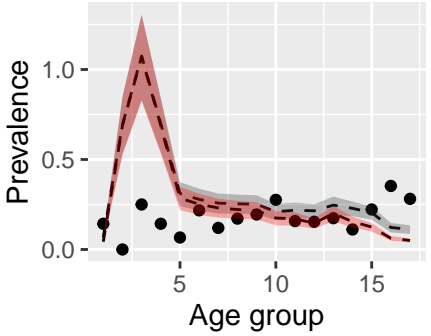
COVID-19 weekly positive tests  
(UTH mortuary)



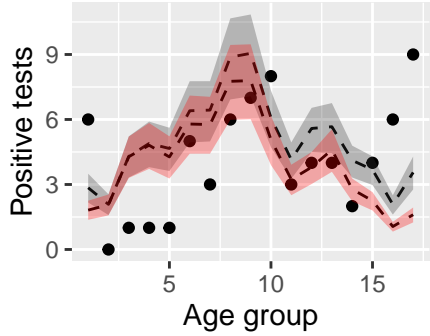
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.7



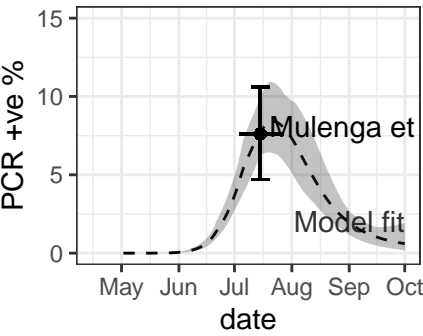
COVID-19 prevalence by age  
(UTH mortuary)



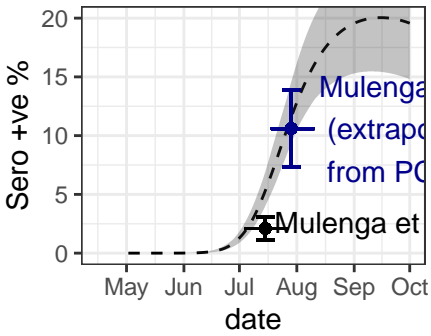
COVID-19 positive tests by age  
(UTH mortuary)



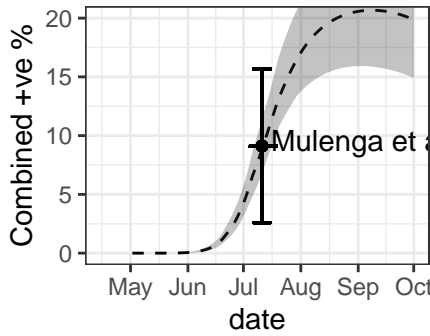
PCR prevalence  
binom II = -5 1



Seroprevalence  
binom II = -40 1

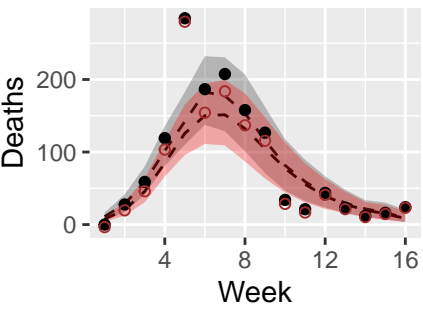


Combined prevalence  
binom II = -5 1

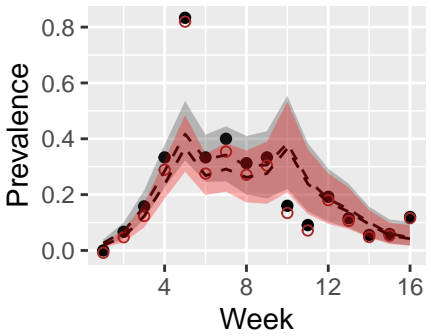


IFR x 1.4, Slope x 0.4

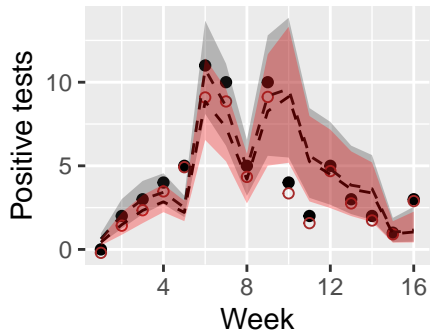
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



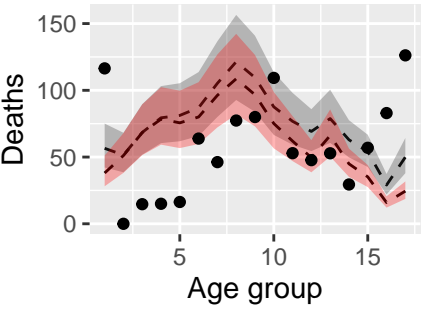
COVID-19 weekly prevalence  
(UTH mortuary)



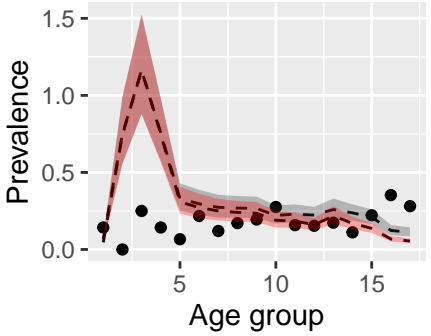
COVID-19 weekly positive tests  
(UTH mortuary)



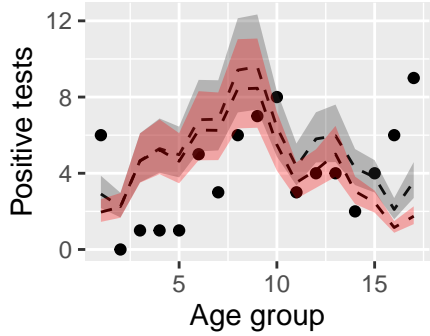
COVID-19 deaths by age  
(Lusaka)  
multinom II = -40.6



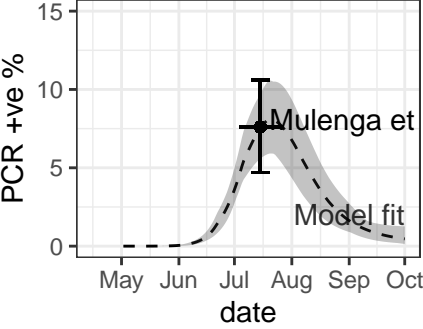
COVID-19 prevalence by age  
(UTH mortuary)



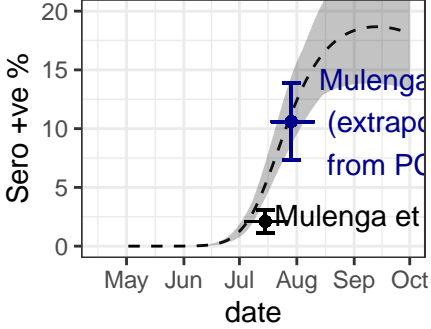
COVID-19 positive tests by age  
(UTH mortuary)



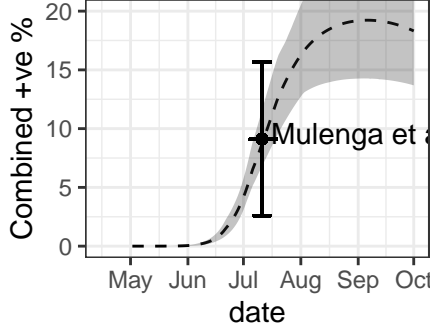
PCR prevalence  
binom II = -5 1



Seroprevalence  
binom II = -39 1

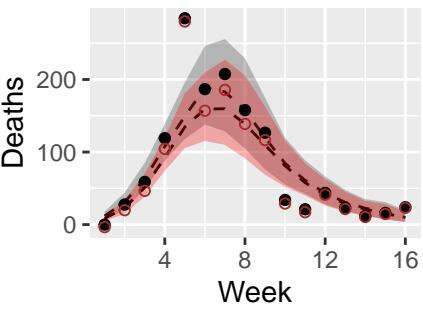


Combined prevalence  
binom II = -5 1

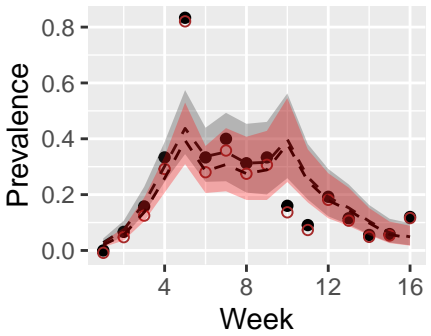


IFR x 1.6, Slope x 0.4

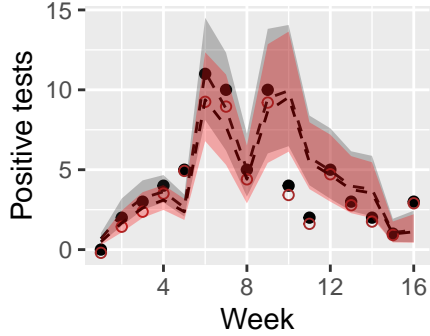
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



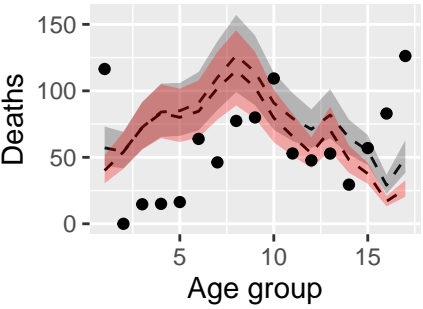
COVID-19 weekly prevalence  
(UTH mortuary)



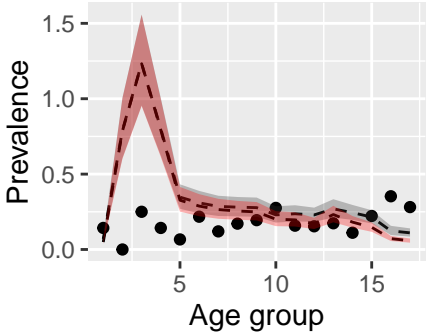
COVID-19 weekly positive tests  
(UTH mortuary)



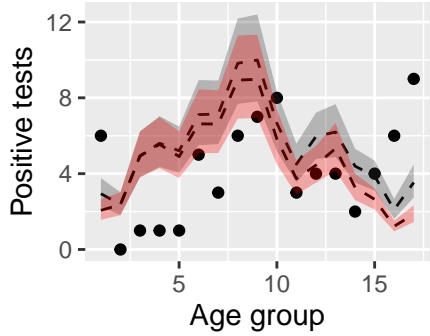
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.4



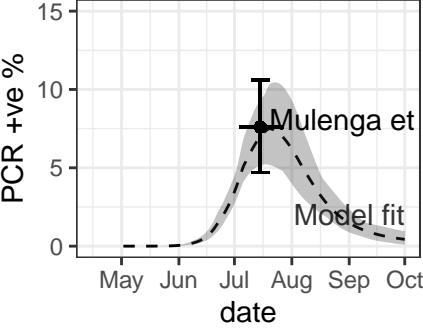
COVID-19 prevalence by age  
(UTH mortuary)



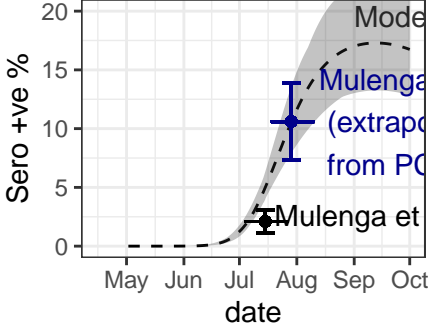
COVID-19 positive tests by age  
(UTH mortuary)



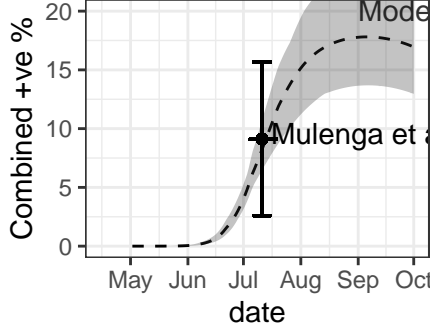
PCR prevalence  
binom II = -6 1



Seroprevalence  
binom II = -35 1

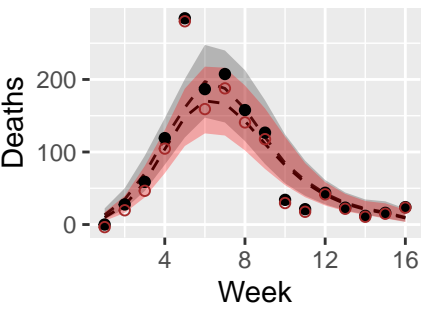


Combined prevalence  
binom II = -4 1

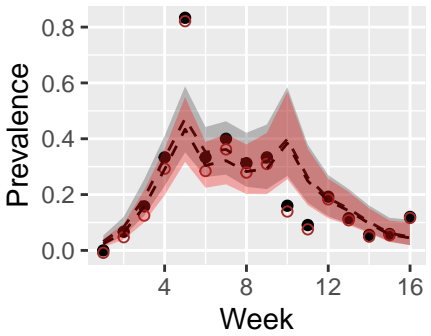


IFR x 1.8, Slope x 0.4

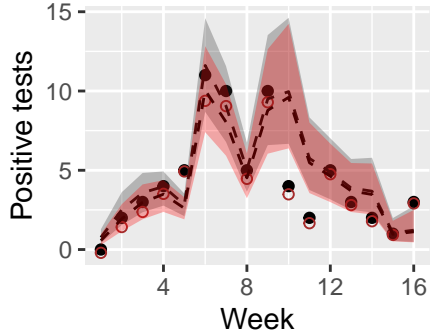
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



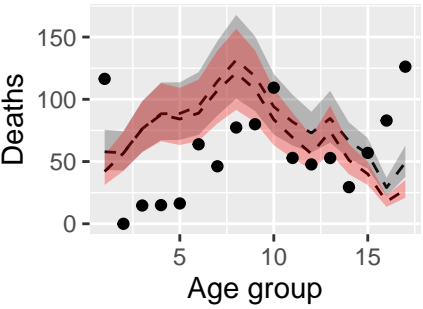
COVID-19 weekly prevalence  
(UTH mortuary)



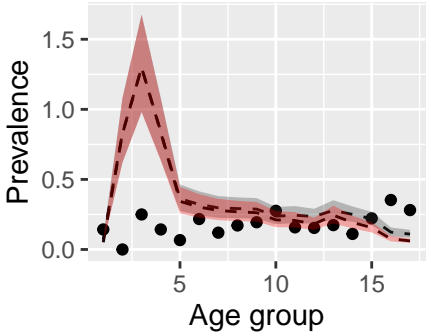
COVID-19 weekly positive tests  
(UTH mortuary)



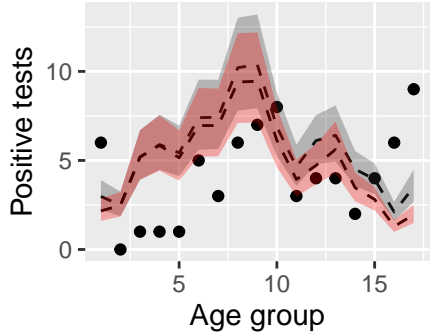
COVID-19 deaths by age  
(Lusaka)  
multinom II = -42



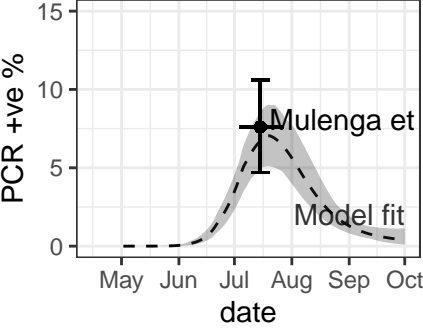
COVID-19 prevalence by age  
(UTH mortuary)



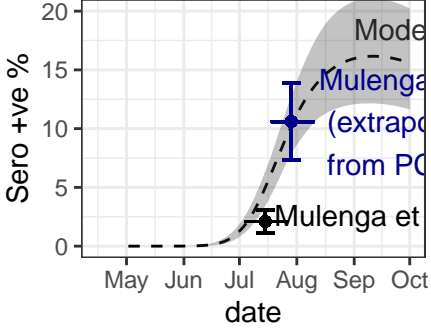
COVID-19 positive tests by age  
(UTH mortuary)



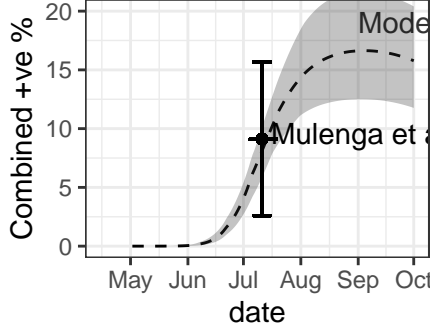
PCR prevalence  
binom II = -7 1



Seroprevalence  
binom II = -35 1

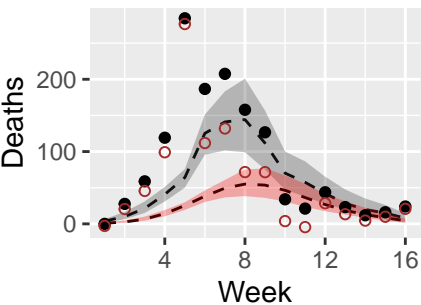


Combined prevalence  
binom II = -4 1

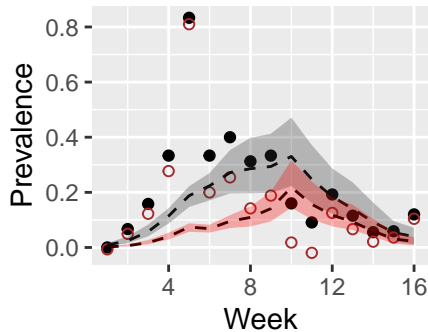


IFR x 0.2, Slope x 0.6

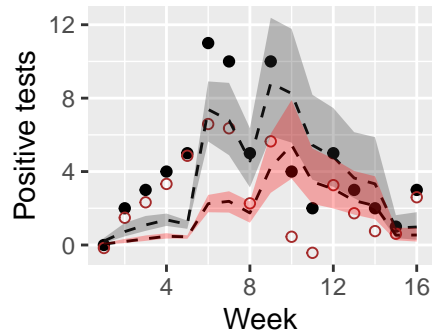
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -38 1



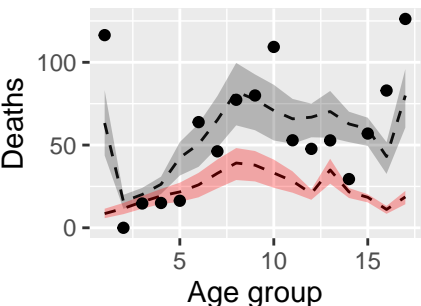
COVID-19 weekly prevalence  
(UTH mortuary)



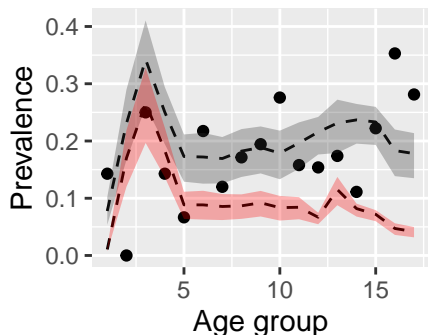
COVID-19 weekly positive tests  
(UTH mortuary)



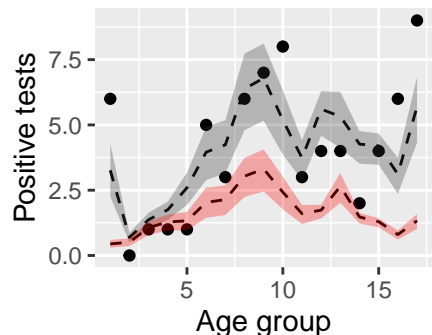
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.9



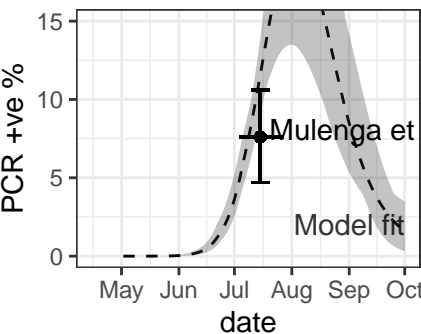
COVID-19 prevalence by age  
(UTH mortuary)



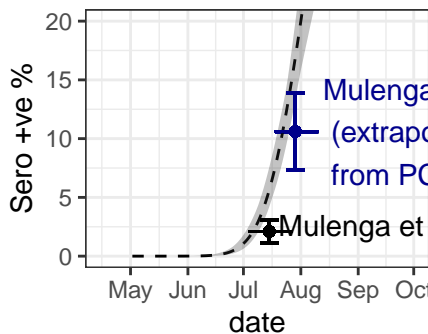
COVID-19 positive tests by age  
(UTH mortuary)



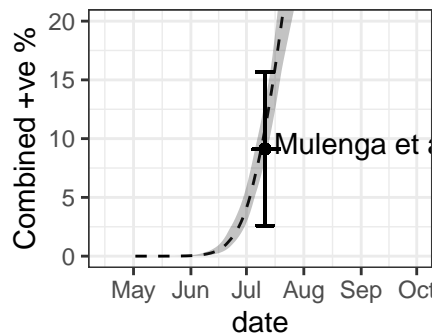
PCR prevalence  
binom II = -31 1



Seroprevalence  
binom II = -46 1

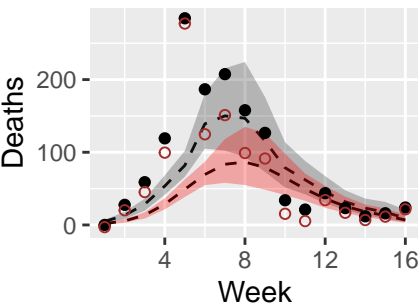


Combined prevalence  
binom II = -8 1

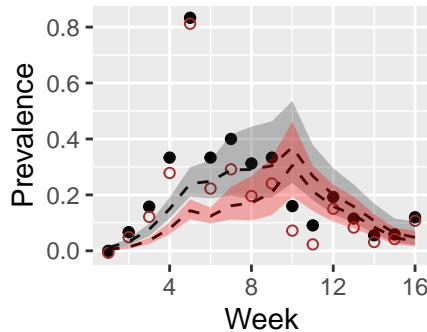


IFR x 0.4, Slope x 0.6

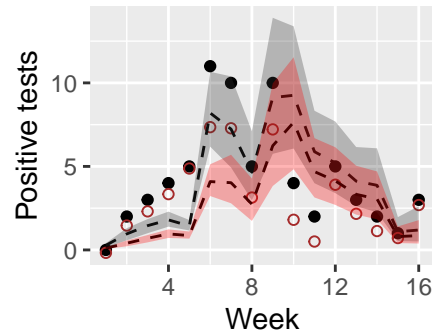
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -36 1



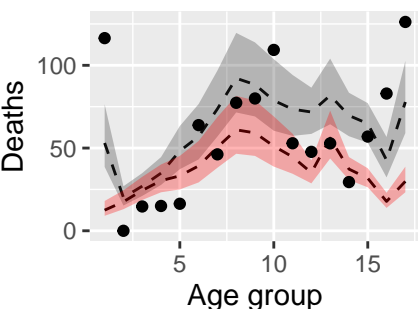
COVID-19 weekly prevalence  
(UTH mortuary)



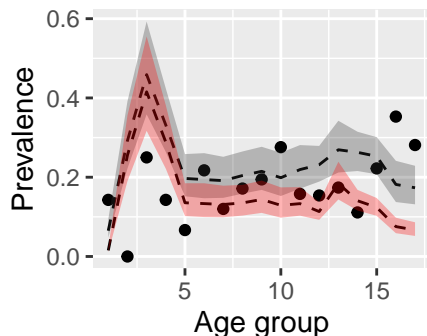
COVID-19 weekly positive tests  
(UTH mortuary)



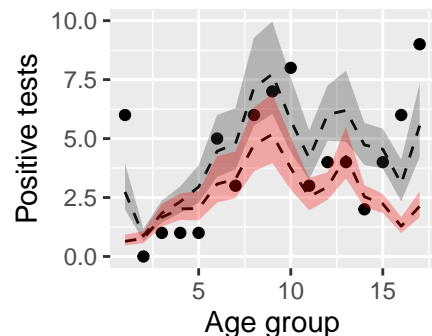
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31



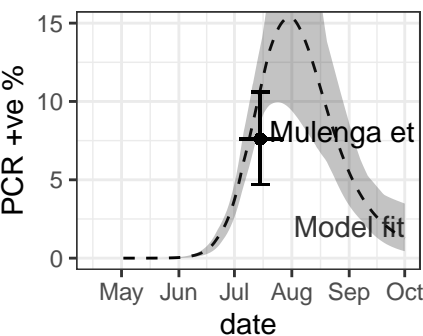
COVID-19 prevalence by age  
(UTH mortuary)



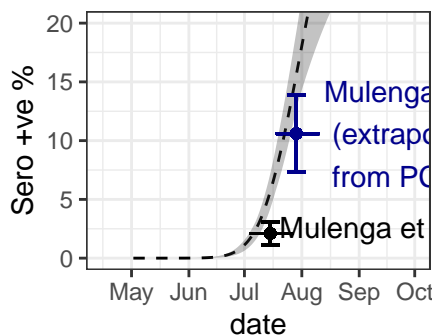
COVID-19 positive tests by age  
(UTH mortuary)



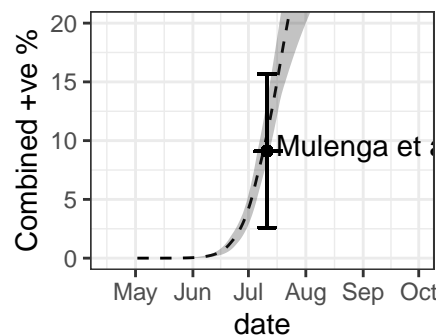
PCR prevalence  
binom II = -22 1



Seroprevalence  
binom II = -47 1



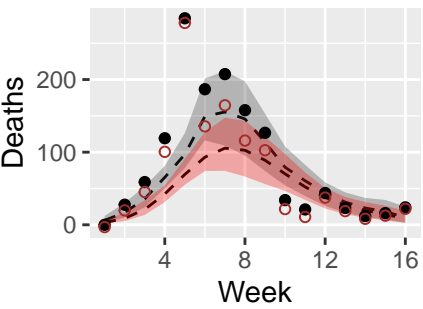
Combined prevalence  
binom II = -7 1



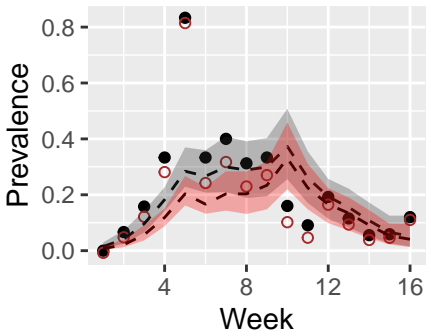


IFR x 0.6, Slope x 0.6

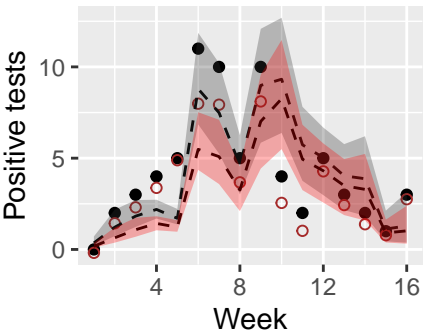
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -35 1



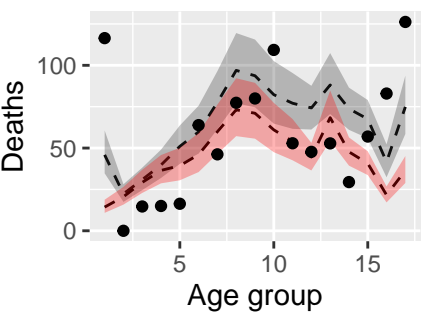
COVID-19 weekly prevalence  
(UTH mortuary)



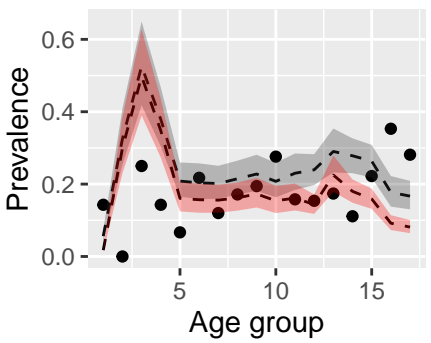
COVID-19 weekly positive tests  
(UTH mortuary)



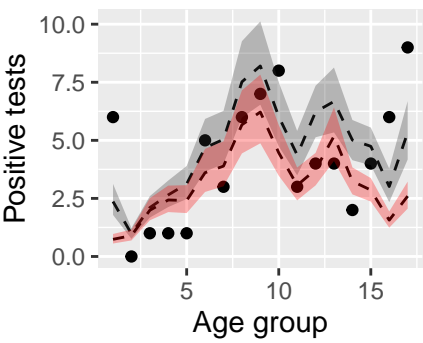
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.6



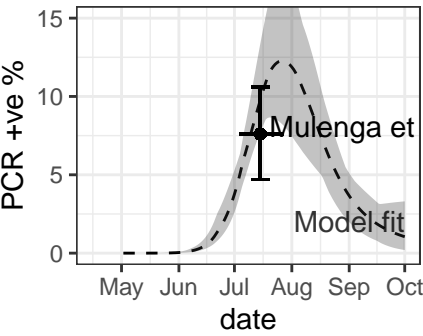
COVID-19 prevalence by age  
(UTH mortuary)



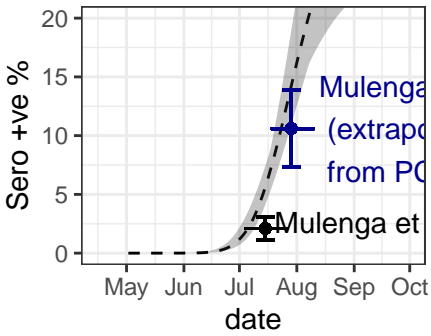
COVID-19 positive tests by age  
(UTH mortuary)



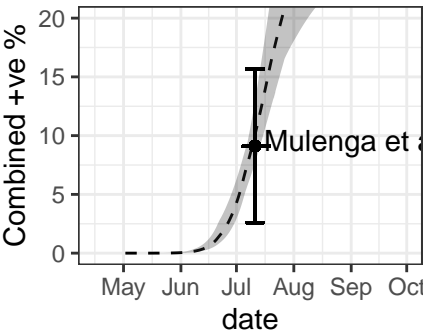
PCR prevalence  
binom II = -14 1



Seroprevalence  
binom II = -46 1

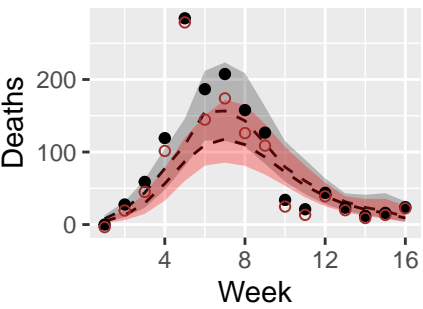


Combined prevalence  
binom II = -6 1

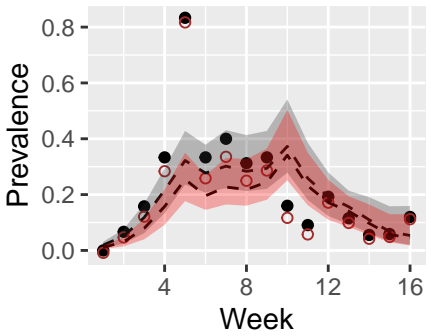


IFR x 0.8, Slope x 0.6

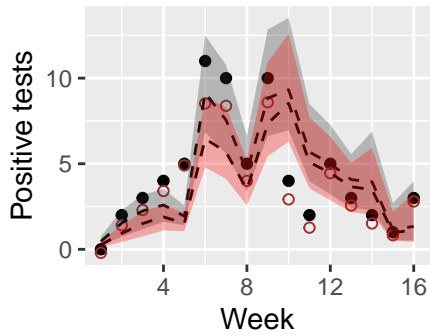
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



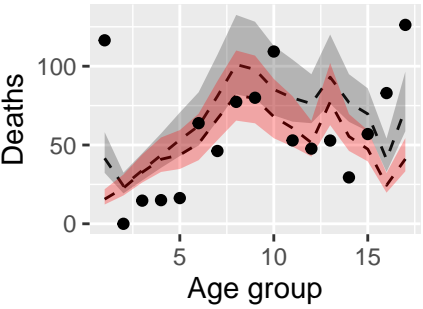
COVID-19 weekly prevalence  
(UTH mortuary)



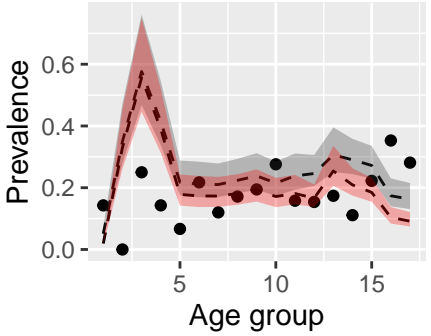
COVID-19 weekly positive tests  
(UTH mortuary)



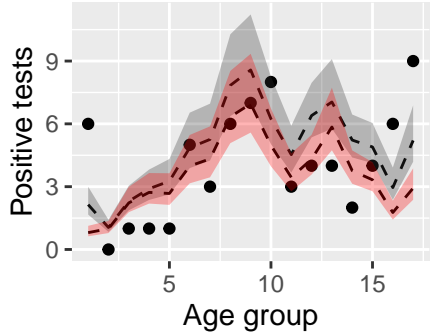
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.8



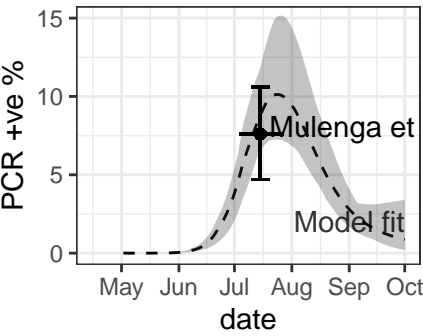
COVID-19 prevalence by age  
(UTH mortuary)



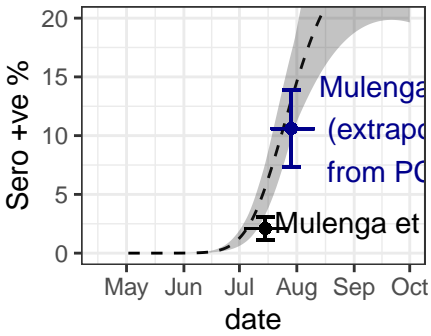
COVID-19 positive tests by age  
(UTH mortuary)



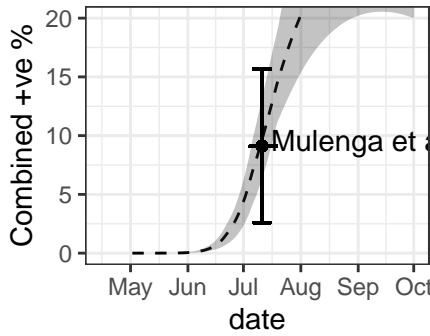
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -46 1

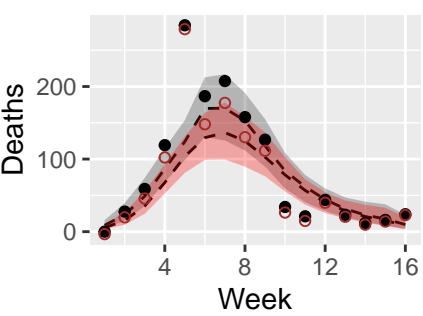


Combined prevalence  
binom II = -5 1

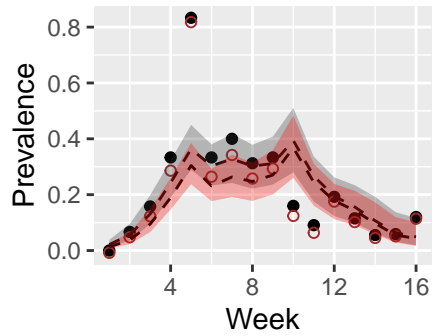


IFR x 1, Slope x 0.6

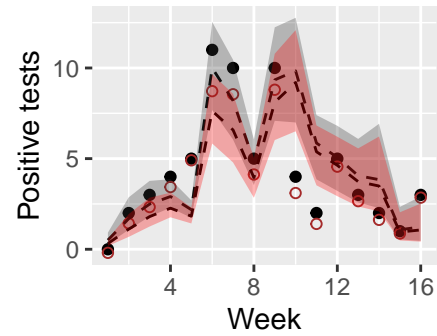
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



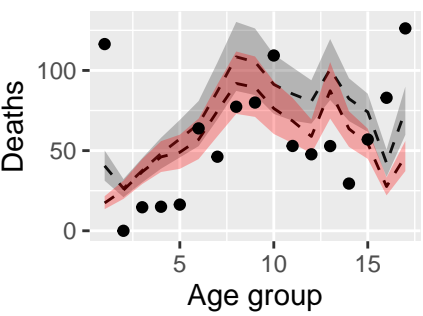
COVID-19 weekly prevalence  
(UTH mortuary)



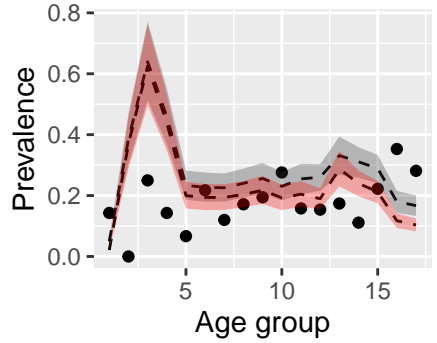
COVID-19 weekly positive tests  
(UTH mortuary)



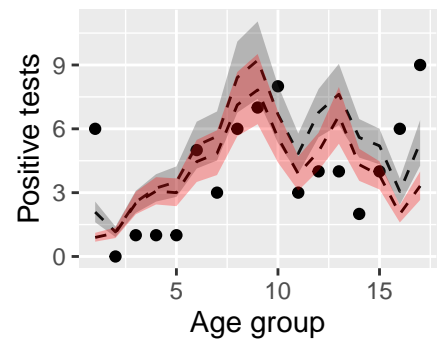
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.7



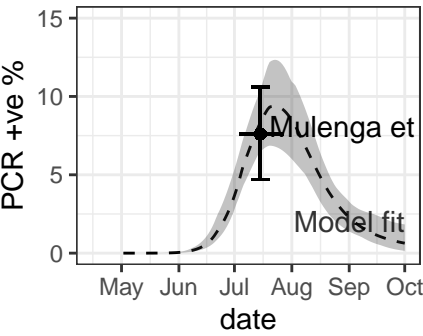
COVID-19 prevalence by age  
(UTH mortuary)



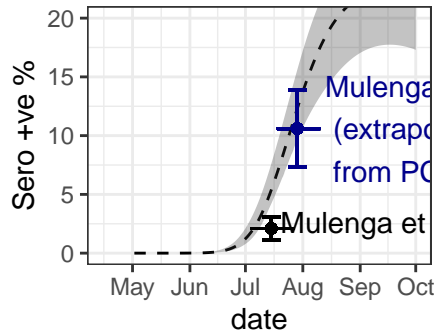
COVID-19 positive tests by age  
(UTH mortuary)



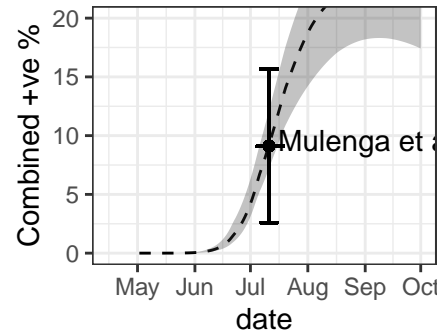
PCR prevalence  
binom II = -6 1

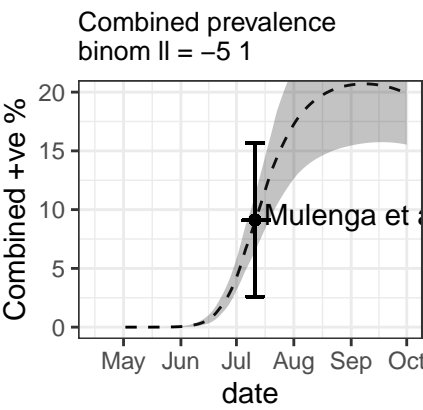
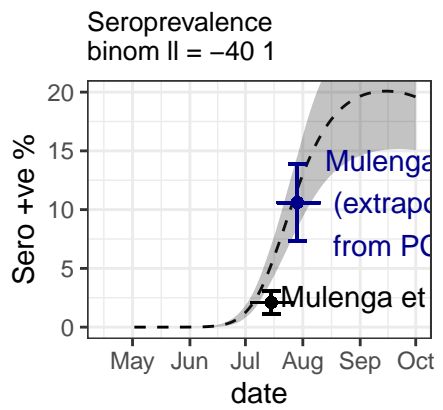
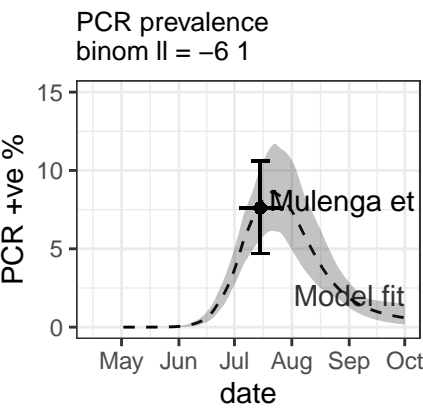
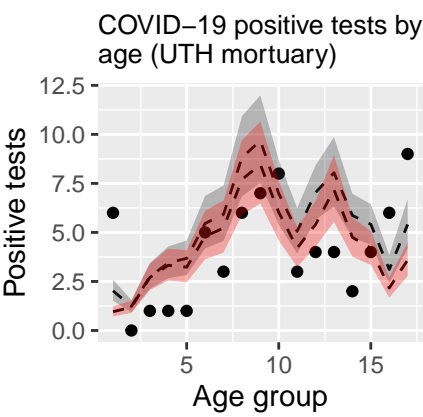
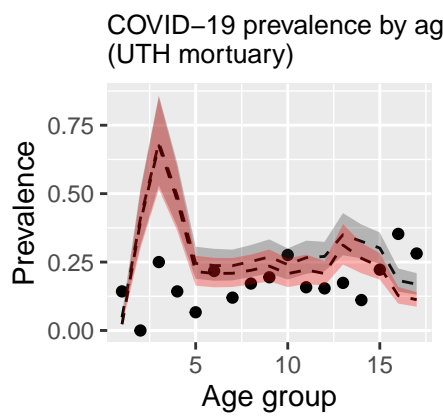
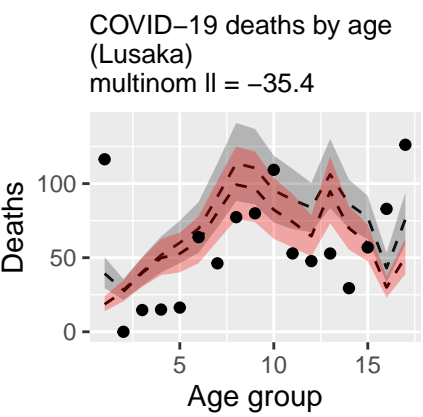
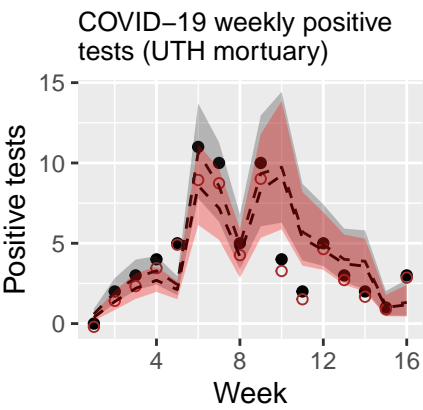
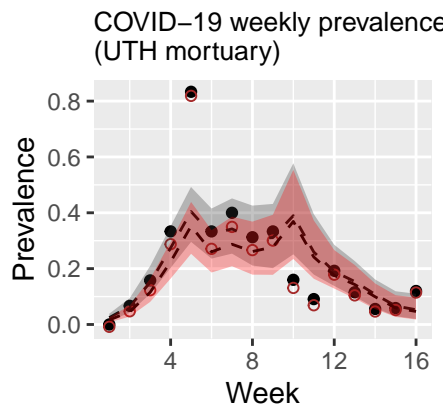
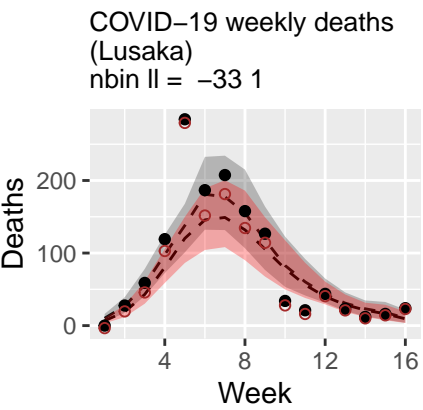


Seroprevalence  
binom II = -41 1



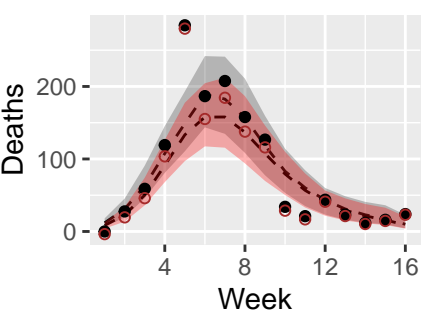
Combined prevalence  
binom II = -5 1



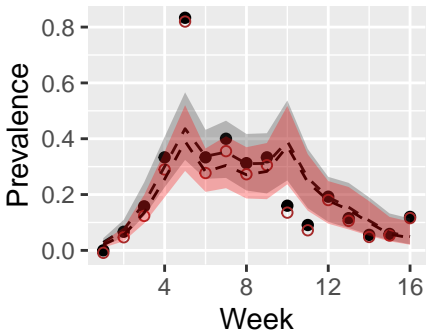


IFR x 1.4, Slope x 0.6

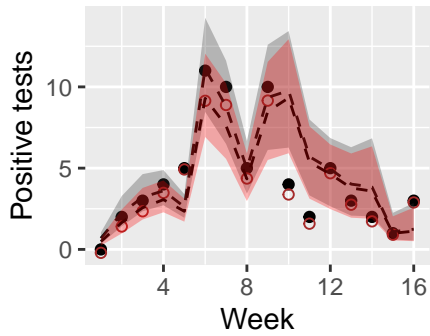
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33.1



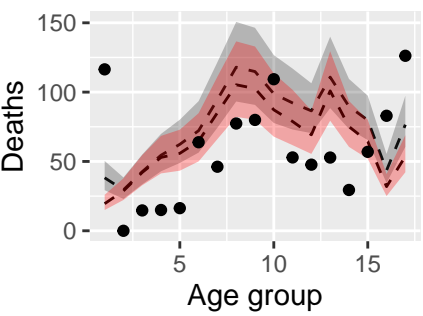
COVID-19 weekly prevalence  
(UTH mortuary)



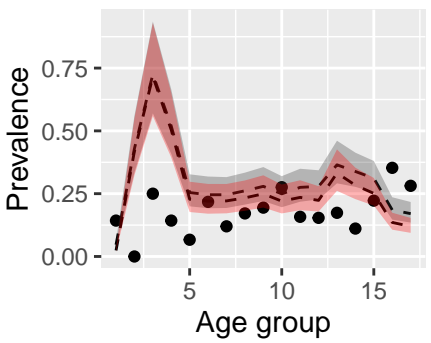
COVID-19 weekly positive tests  
(UTH mortuary)



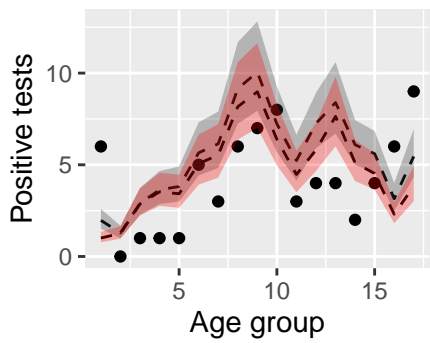
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.9



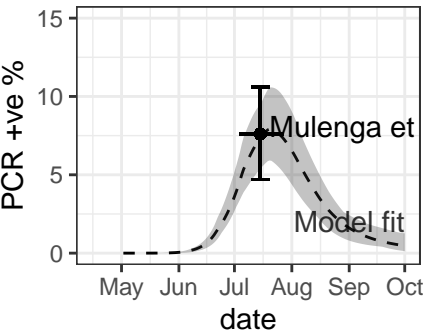
COVID-19 prevalence by age  
(UTH mortuary)



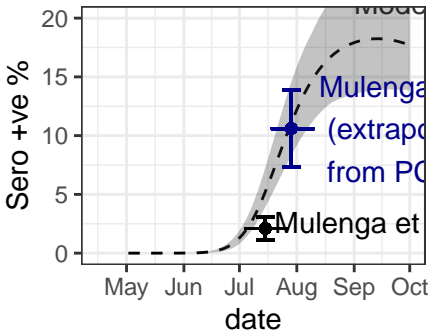
COVID-19 positive tests by age  
(UTH mortuary)



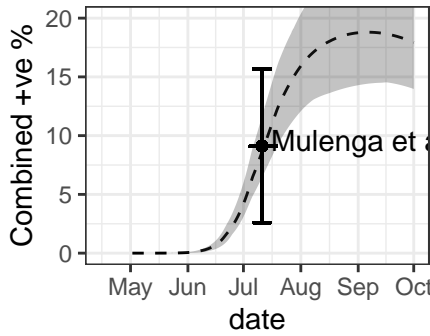
PCR prevalence  
binom II = -6.1



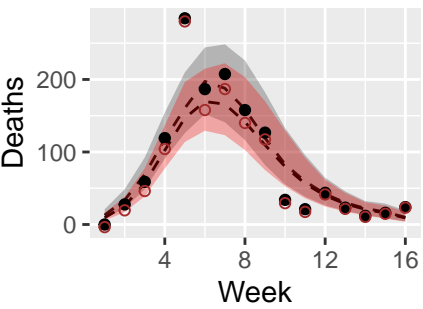
Seroprevalence  
binom II = -39.1



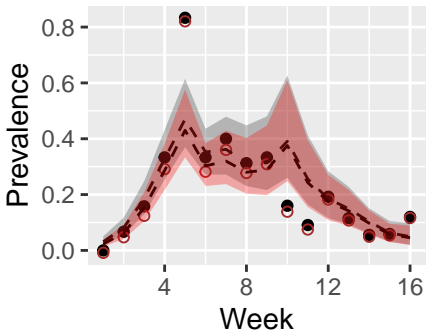
Combined prevalence  
binom II = -5.1



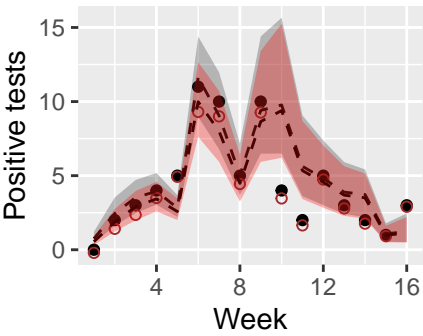
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



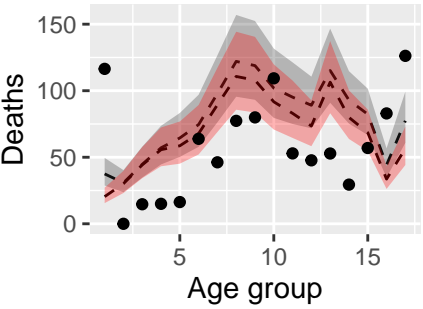
COVID-19 weekly prevalence  
(UTH mortuary)



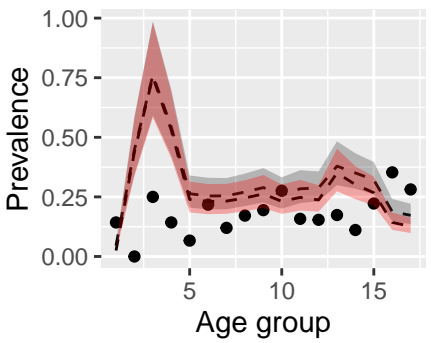
COVID-19 weekly positive tests  
(UTH mortuary)



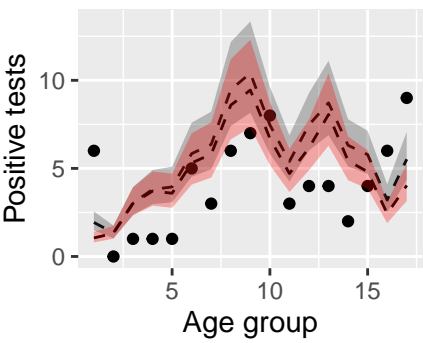
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.4



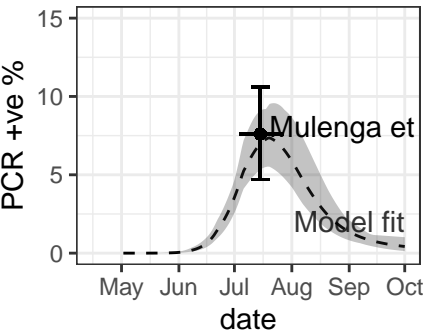
COVID-19 prevalence by age  
(UTH mortuary)



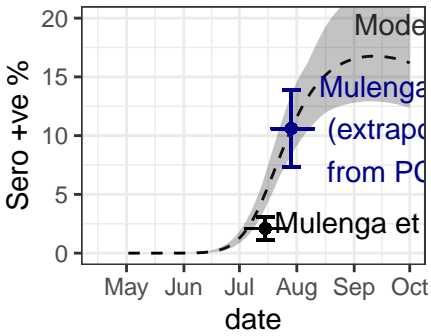
COVID-19 positive tests by age  
(UTH mortuary)



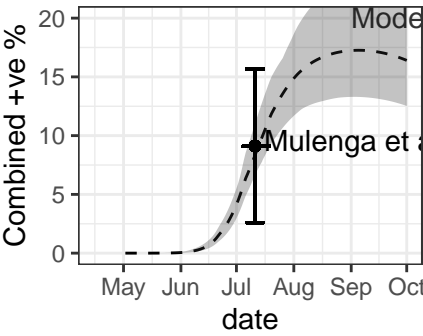
PCR prevalence  
binom II = -6 1



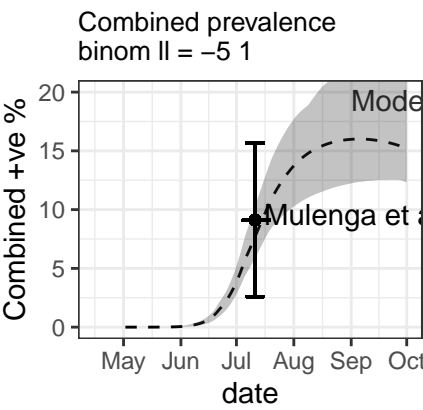
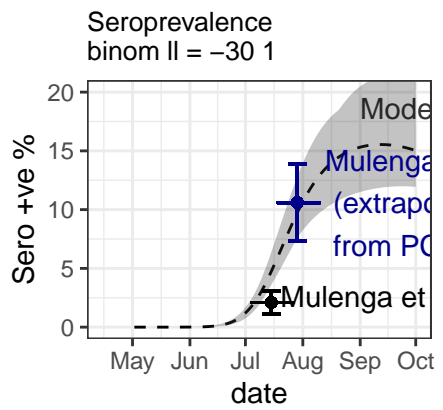
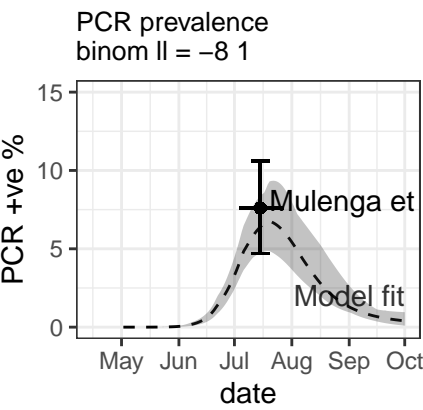
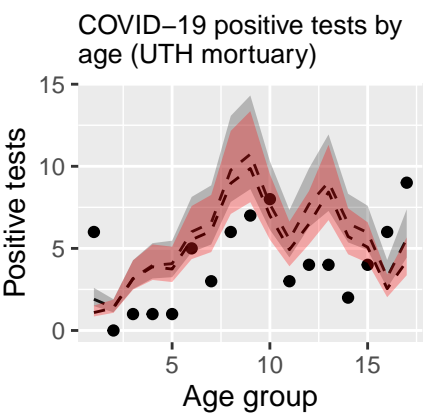
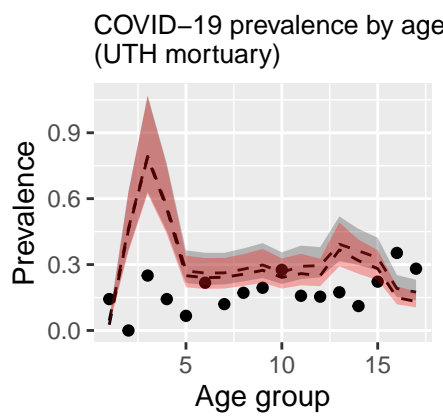
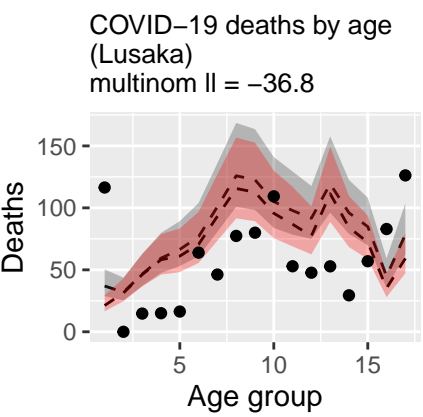
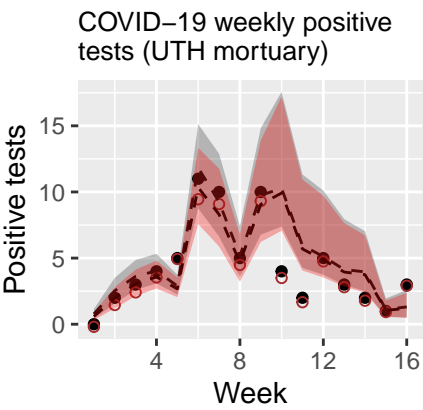
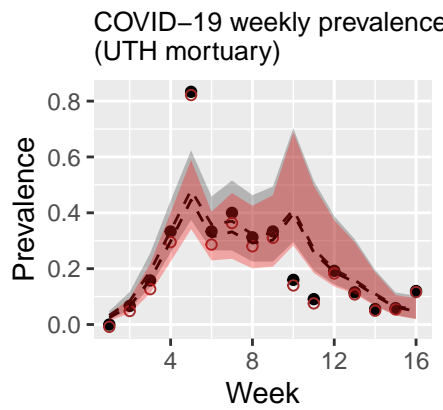
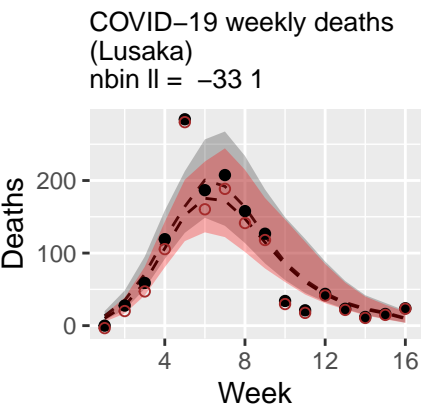
Seroprevalence  
binom II = -37 1



Combined prevalence  
binom II = -4 1

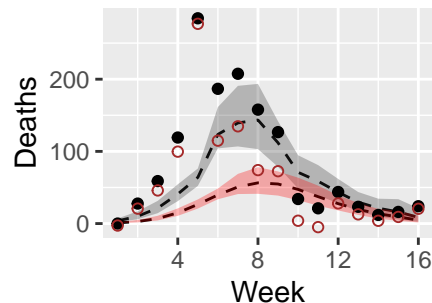


IFR x 1.8, Slope x 0.6

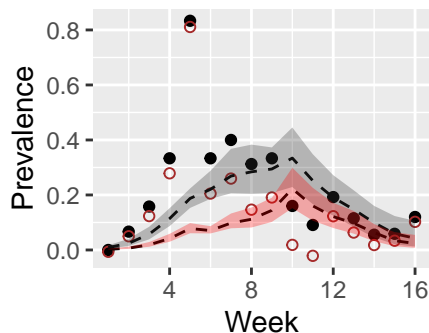


IFR x 0.2, Slope x 0.8

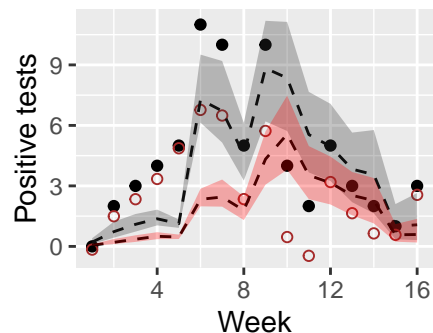
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -38 1



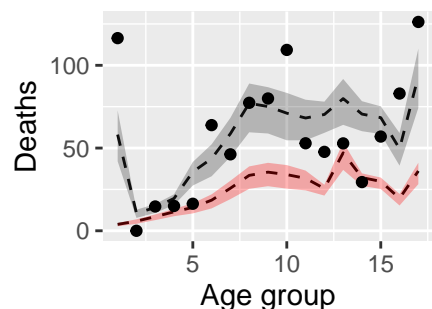
COVID-19 weekly prevalence  
(UTH mortuary)



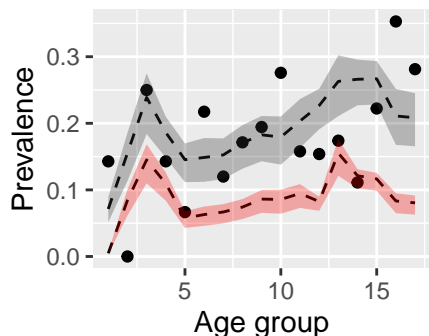
COVID-19 weekly positive tests  
(UTH mortuary)



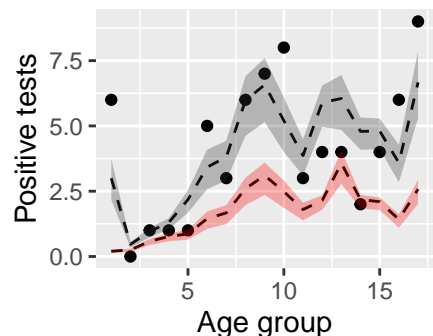
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.4



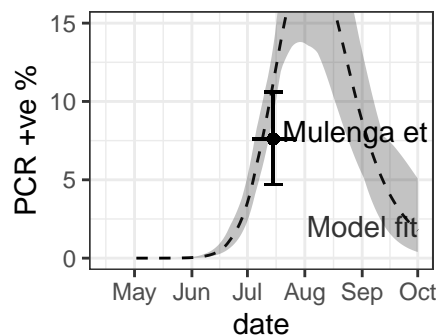
COVID-19 prevalence by age  
(UTH mortuary)



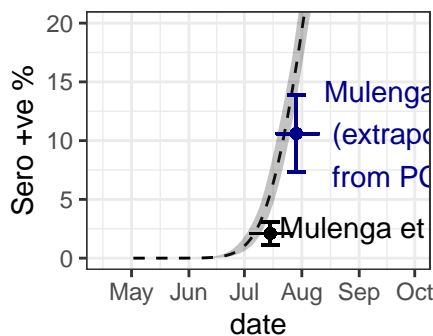
COVID-19 positive tests by age  
(UTH mortuary)



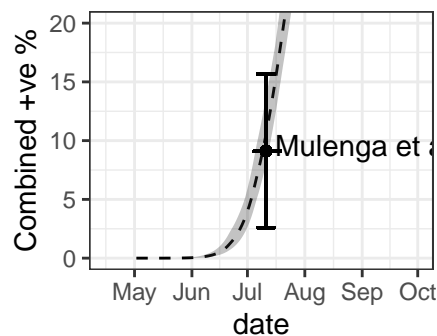
PCR prevalence  
binom II = -27 1



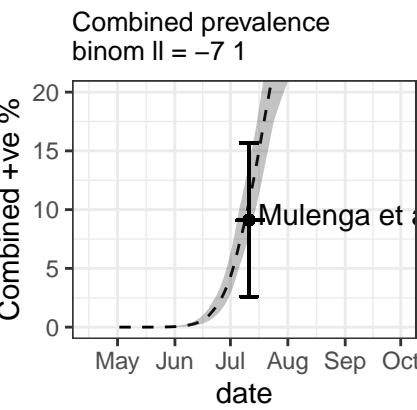
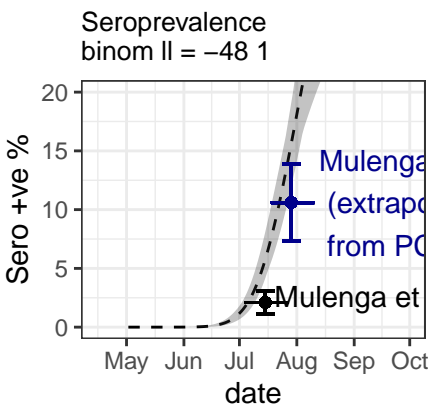
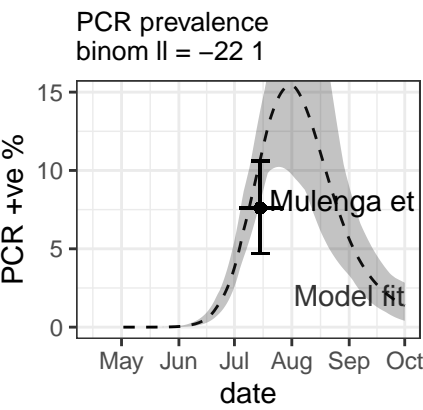
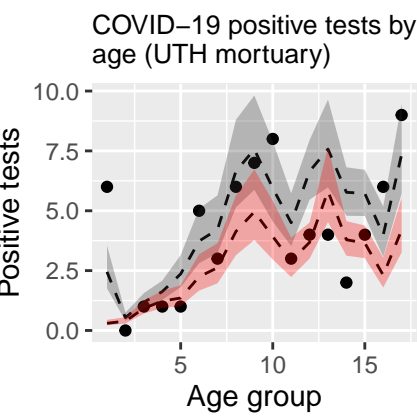
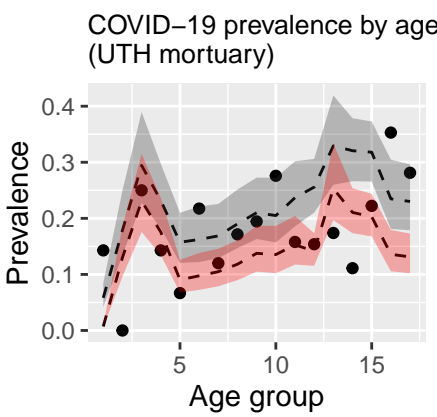
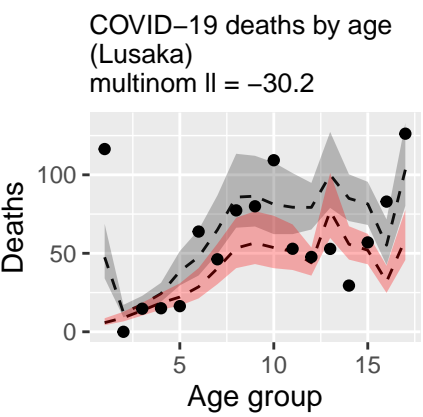
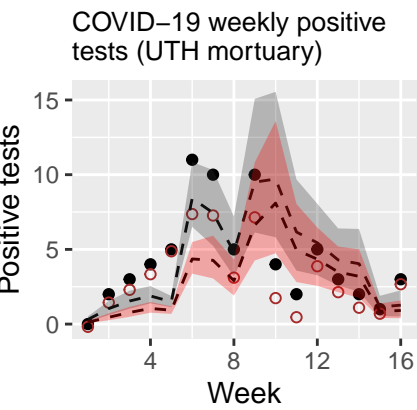
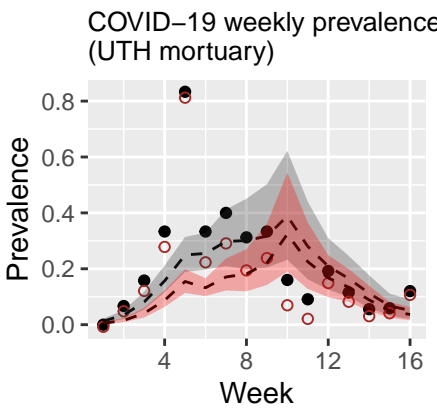
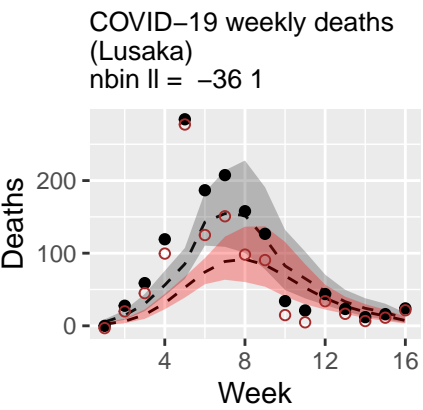
Seroprevalence  
binom II = -44 1



Combined prevalence  
binom II = -8 1

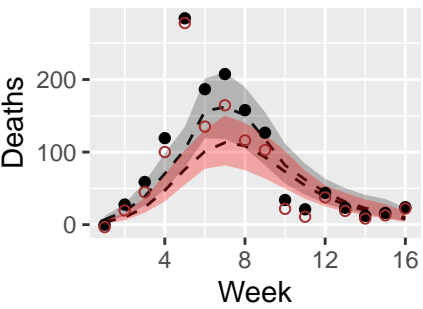




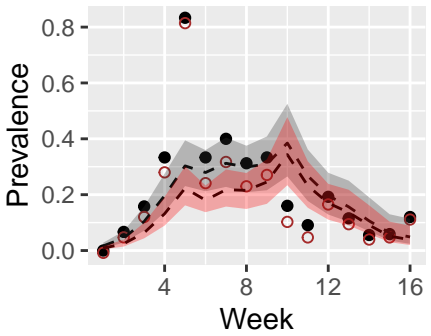


IFR x 0.6, Slope x 0.8

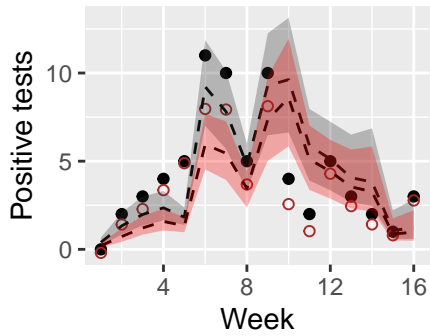
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



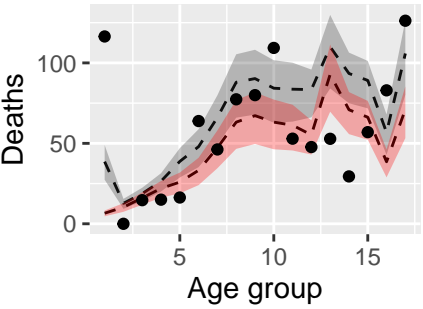
COVID-19 weekly prevalence  
(UTH mortuary)



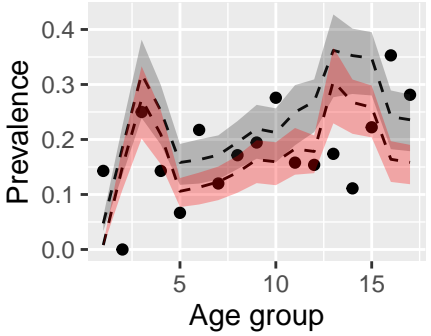
COVID-19 weekly positive tests  
(UTH mortuary)



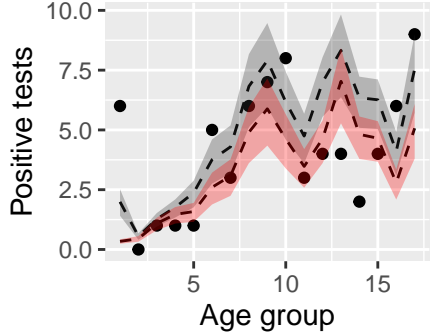
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.7



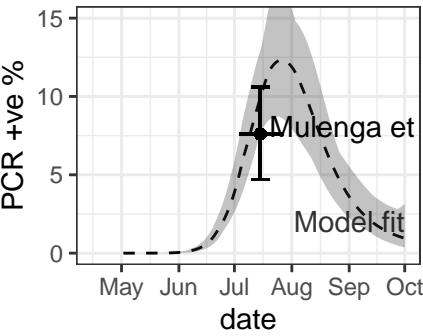
COVID-19 prevalence by age  
(UTH mortuary)



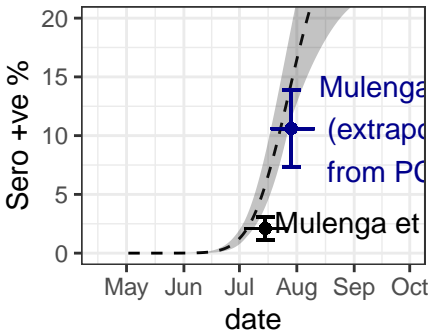
COVID-19 positive tests by age  
(UTH mortuary)



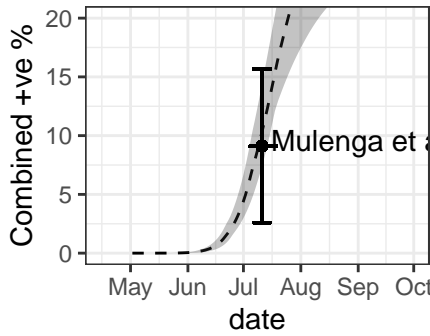
PCR prevalence  
binom II = -15 1



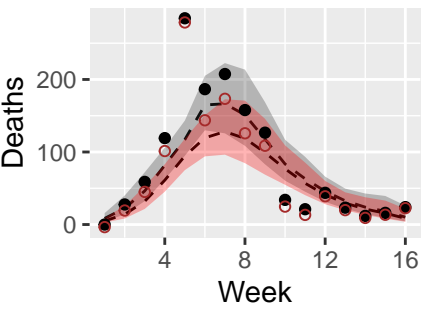
Seroprevalence  
binom II = -49 1



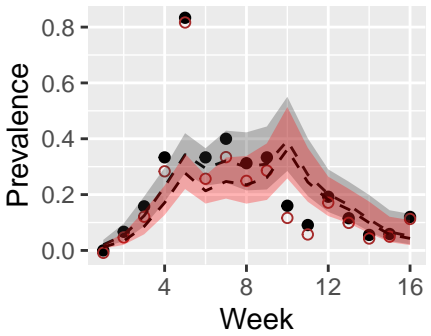
Combined prevalence  
binom II = -6 1



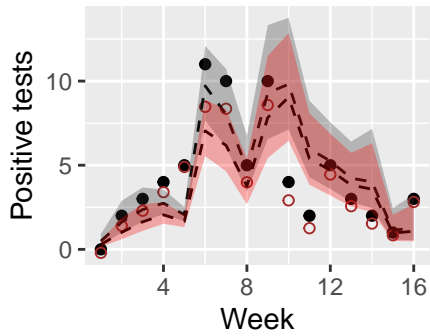
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



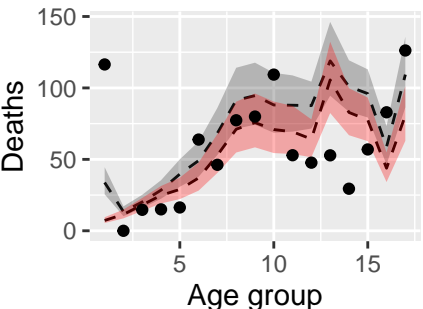
COVID-19 weekly prevalence  
(UTH mortuary)



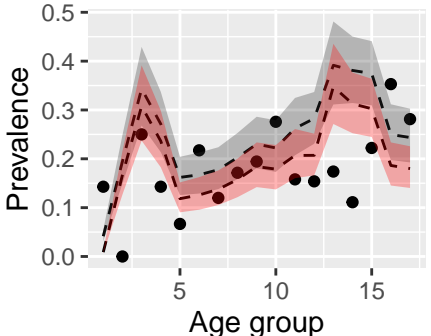
COVID-19 weekly positive tests  
(UTH mortuary)



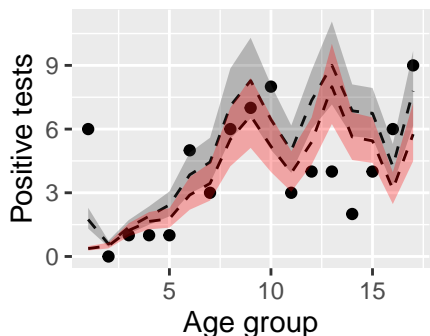
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.9



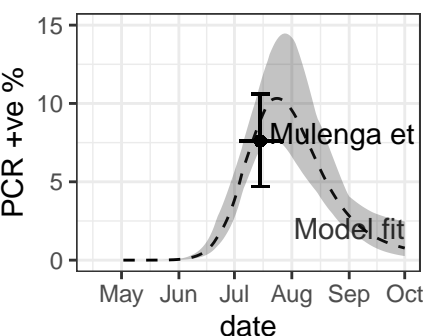
COVID-19 prevalence by age  
(UTH mortuary)



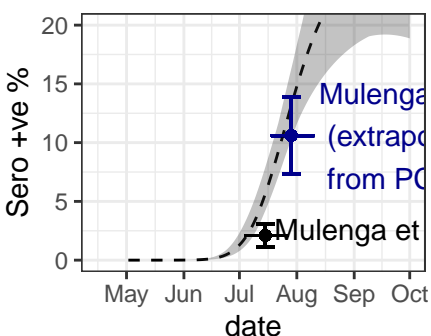
COVID-19 positive tests by age  
(UTH mortuary)



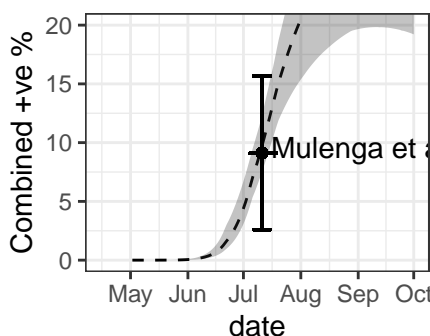
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -46 1

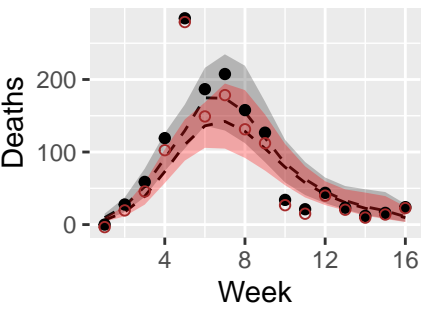


Combined prevalence  
binom II = -5 1

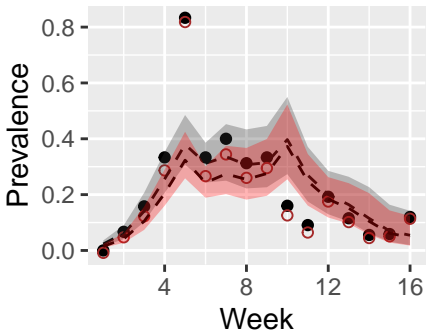


IFR x 1, Slope x 0.8

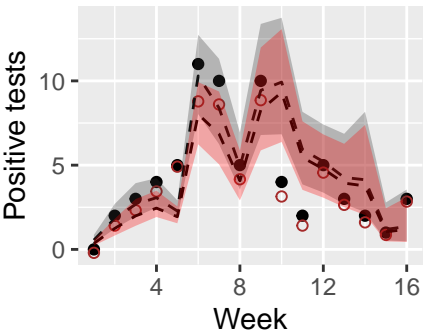
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



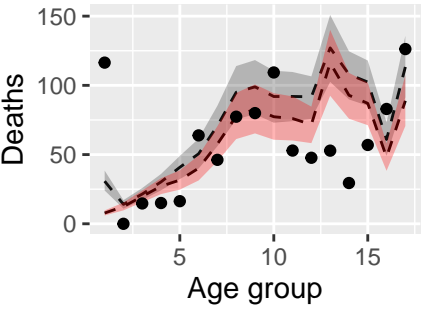
COVID-19 weekly prevalence  
(UTH mortuary)



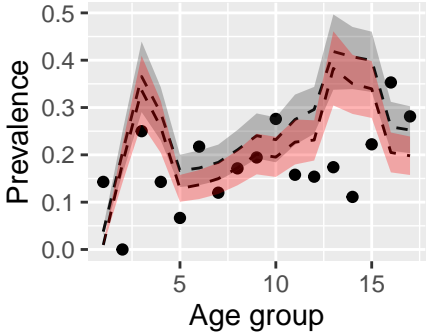
COVID-19 weekly positive tests  
(UTH mortuary)



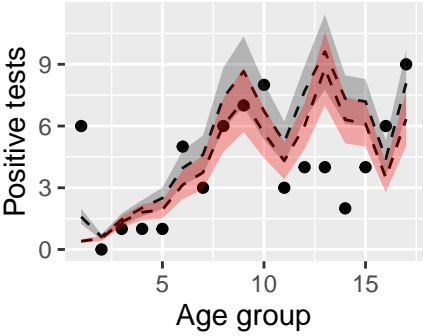
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.8



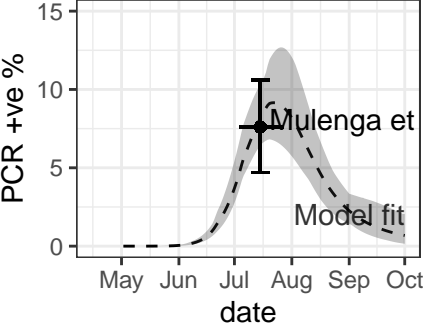
COVID-19 prevalence by age  
(UTH mortuary)



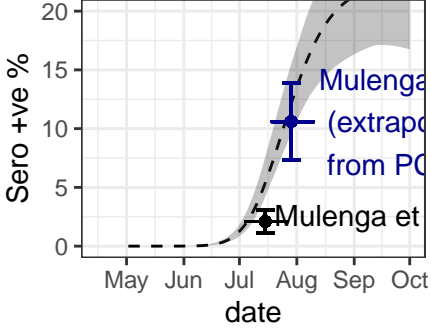
COVID-19 positive tests by age  
(UTH mortuary)



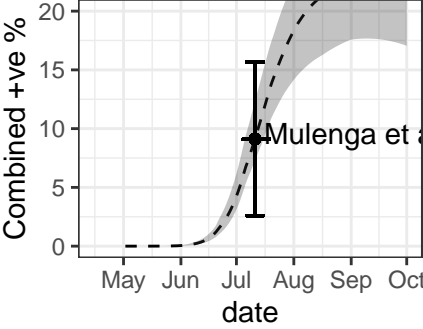
PCR prevalence  
binom II = -6 1



Seroprevalence  
binom II = -41 1

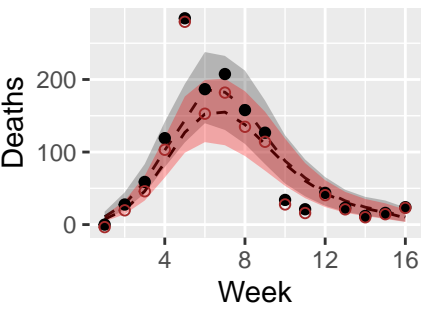


Combined prevalence  
binom II = -5 1

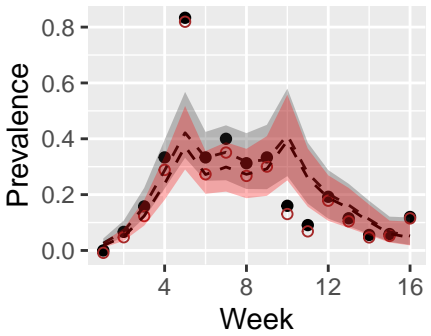


IFR x 1.2, Slope x 0.8

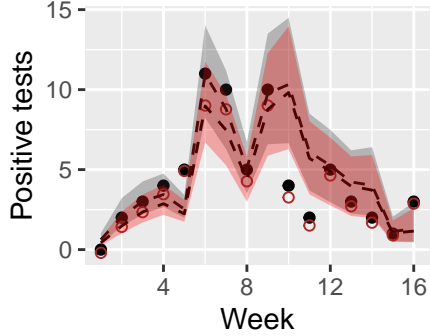
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



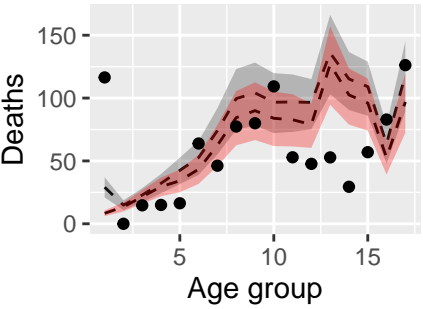
COVID-19 weekly prevalence  
(UTH mortuary)



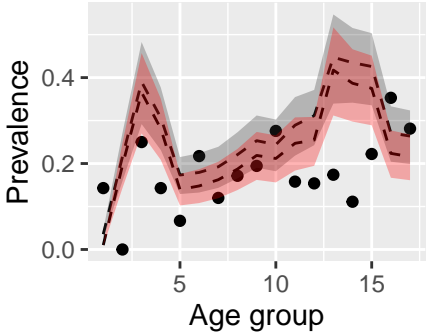
COVID-19 weekly positive tests  
(UTH mortuary)



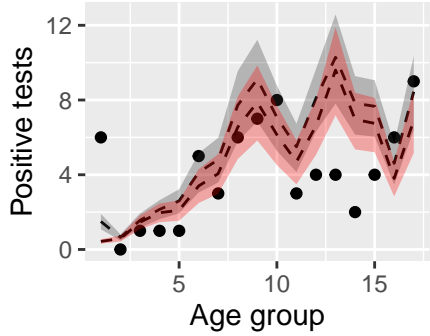
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.5



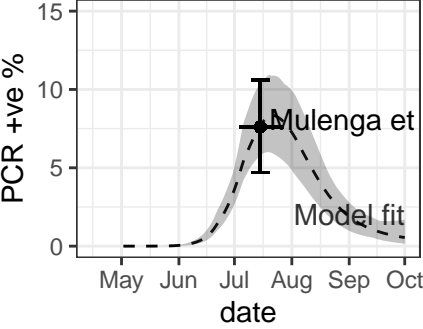
COVID-19 prevalence by age  
(UTH mortuary)



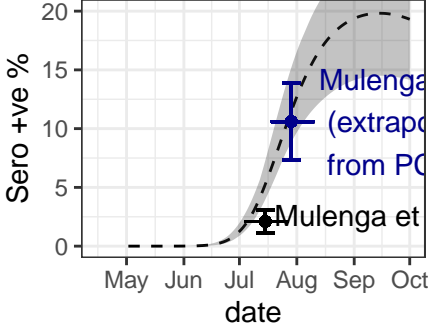
COVID-19 positive tests by age  
(UTH mortuary)



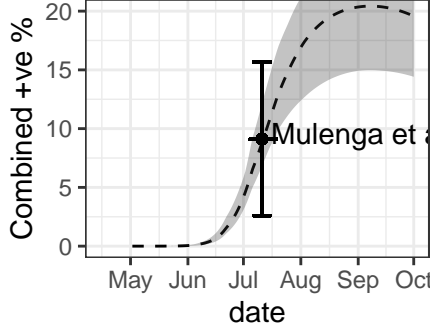
PCR prevalence  
binom II = -5 1



Seroprevalence  
binom II = -39 1

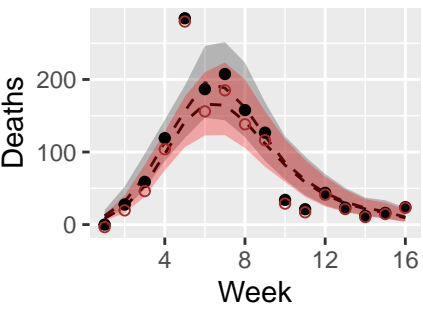


Combined prevalence  
binom II = -5 1

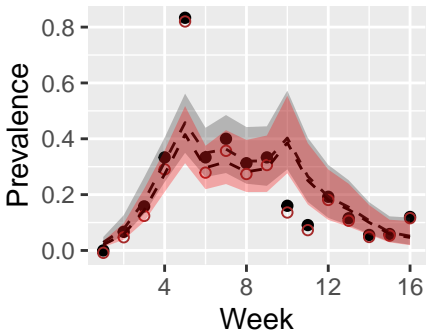


IFR x 1.4, Slope x 0.8

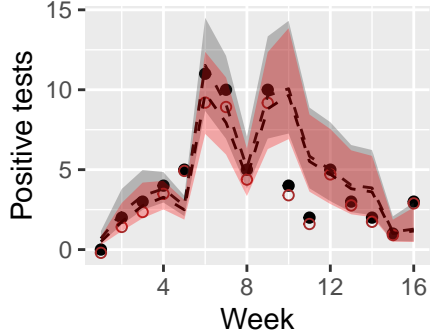
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



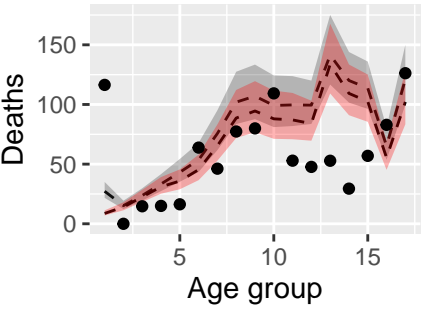
COVID-19 weekly prevalence  
(UTH mortuary)



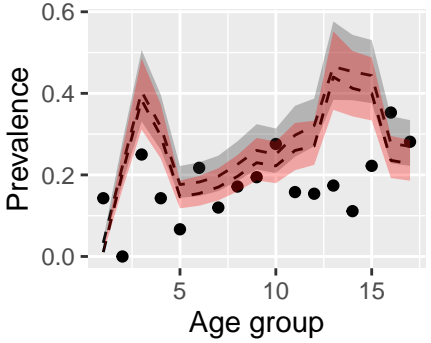
COVID-19 weekly positive tests  
(UTH mortuary)



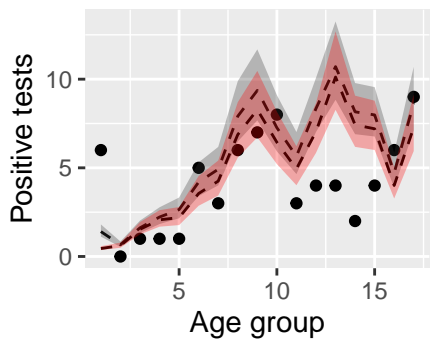
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.1



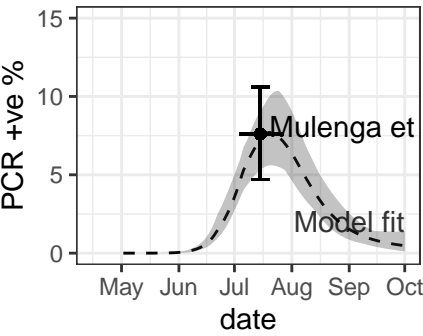
COVID-19 prevalence by age  
(UTH mortuary)



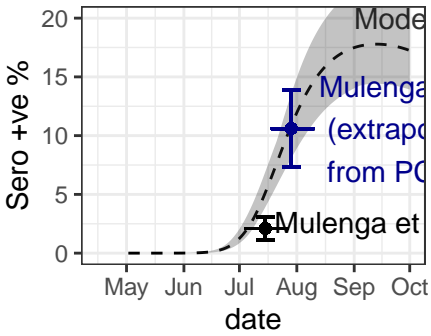
COVID-19 positive tests by age  
(UTH mortuary)



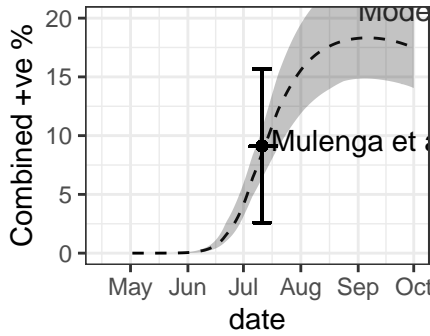
PCR prevalence  
binom II = -5 1



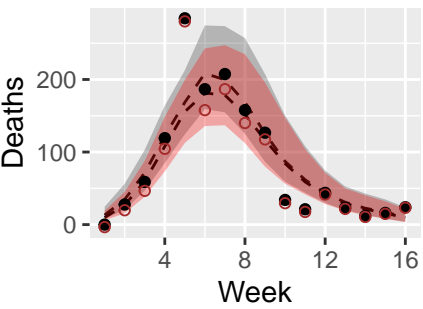
Seroprevalence  
binom II = -37 1



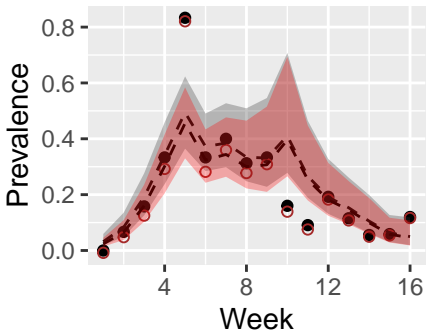
Combined prevalence  
binom II = -4 1



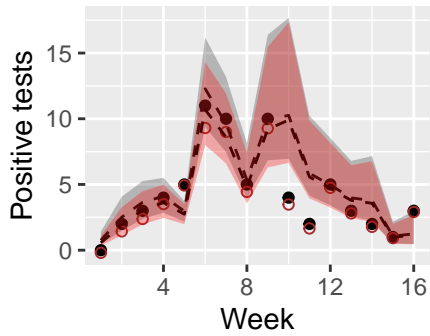
COVID-19 weekly deaths  
(Lusaka)  
nbins = 33



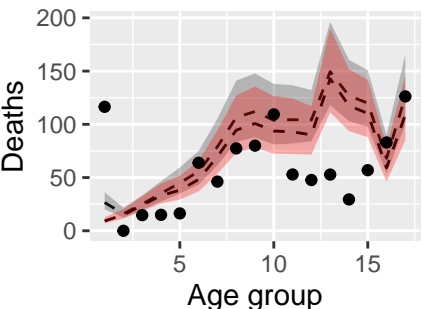
COVID-19 weekly prevalence  
(UTH mortuary)



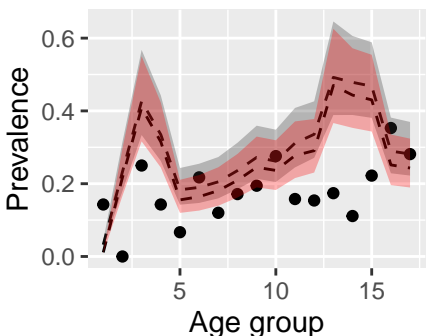
COVID-19 weekly positive tests  
(UTH mortuary)



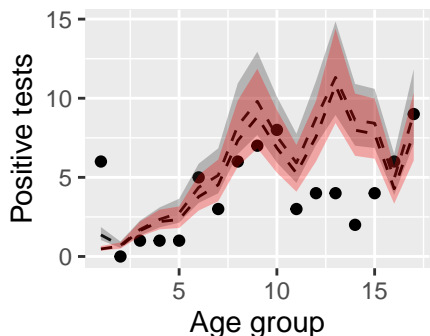
COVID-19 deaths by age  
(Lusaka)  
multinom = 35.6



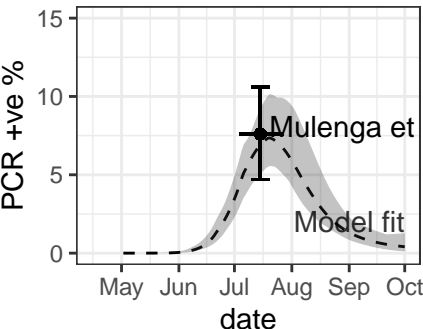
COVID-19 prevalence by age  
(UTH mortuary)



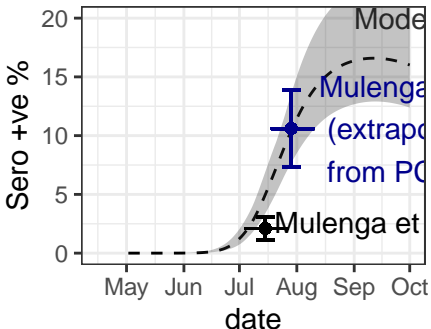
COVID-19 positive tests by age  
(UTH mortuary)



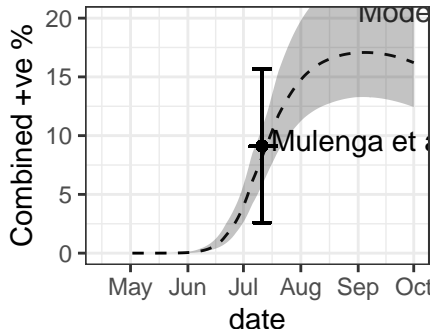
PCR prevalence  
binom = 6



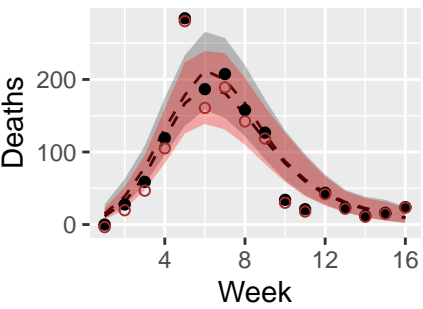
Seroprevalence  
binom = 34



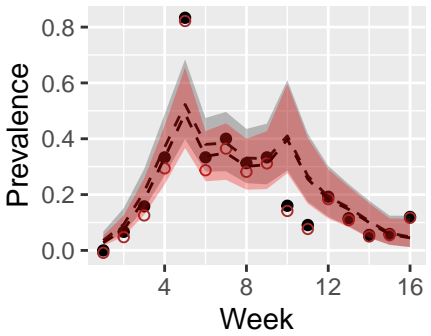
Combined prevalence  
binom = 4



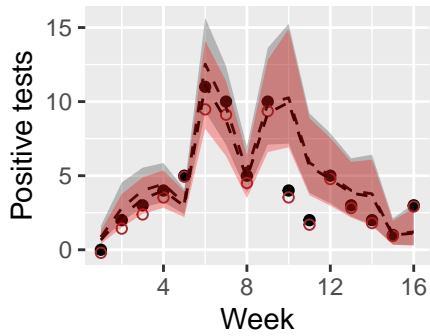
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33.1



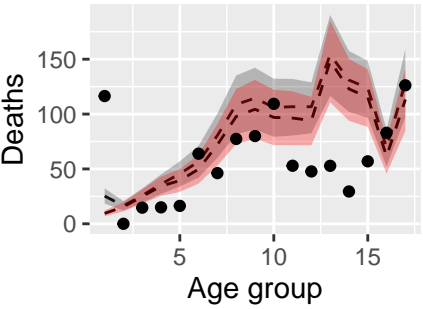
COVID-19 weekly prevalence  
(UTH mortuary)



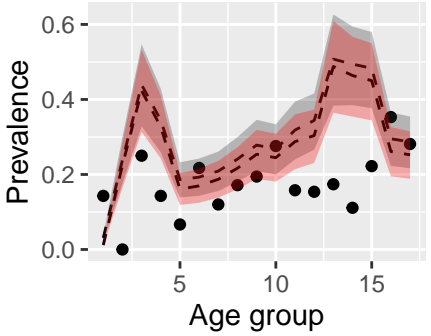
COVID-19 weekly positive tests  
(UTH mortuary)



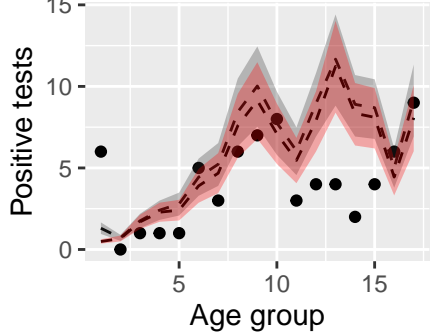
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.1



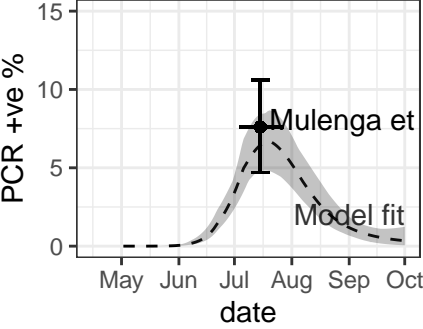
COVID-19 prevalence by age  
(UTH mortuary)



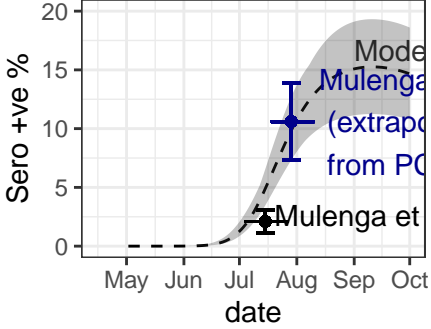
COVID-19 positive tests by age  
(UTH mortuary)



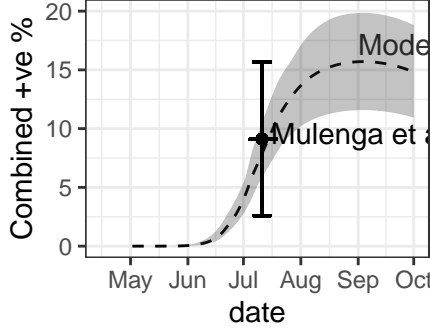
PCR prevalence  
binom II = -8.1



Seroprevalence  
binom II = -33.1



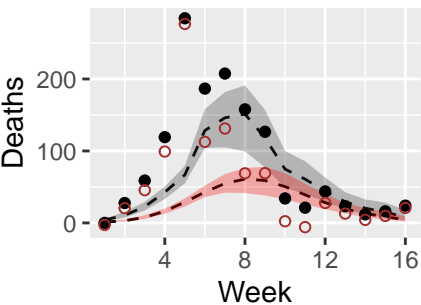
Combined prevalence  
binom II = -4.1



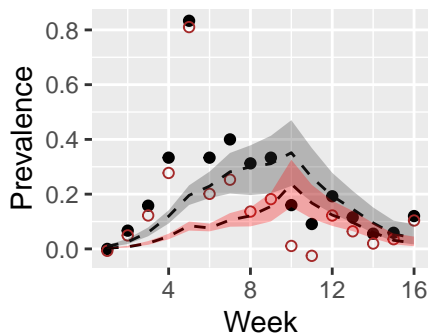


IFR x 0.2, Slope x 1

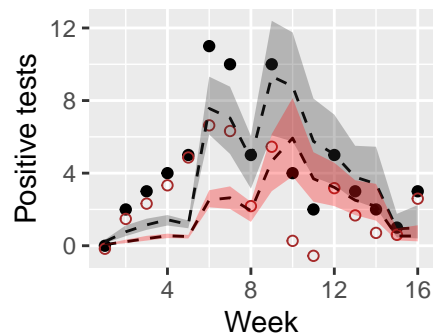
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -38 1



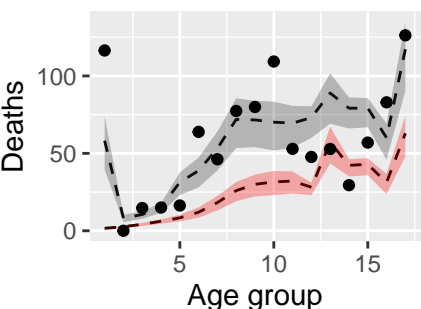
COVID-19 weekly prevalence  
(UTH mortuary)



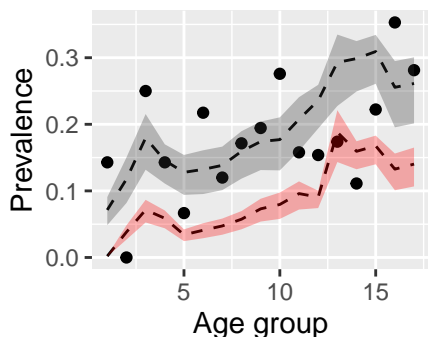
COVID-19 weekly positive tests  
(UTH mortuary)



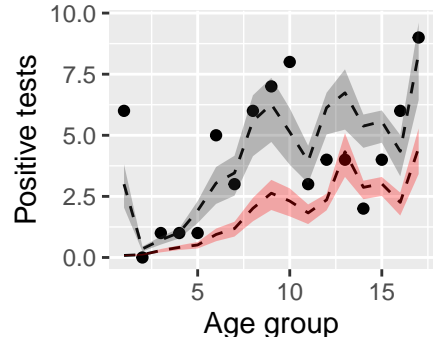
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.6



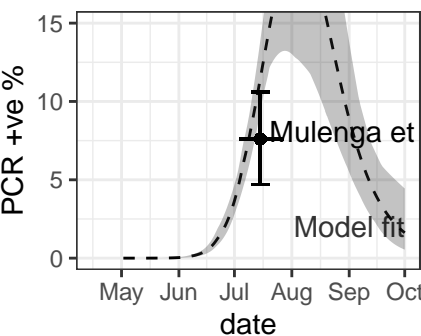
COVID-19 prevalence by age  
(UTH mortuary)



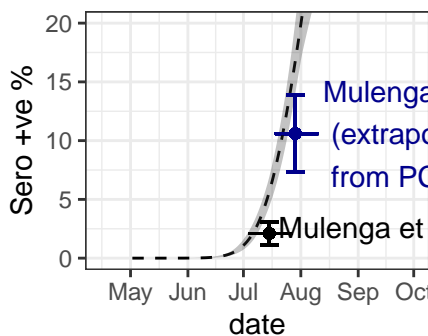
COVID-19 positive tests by age  
(UTH mortuary)



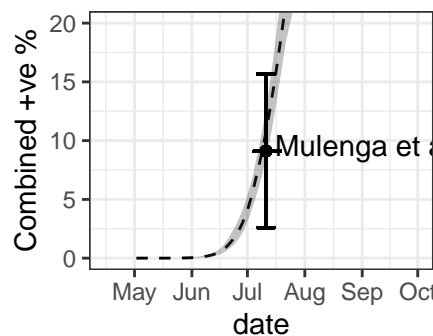
PCR prevalence  
binom II = -30 1



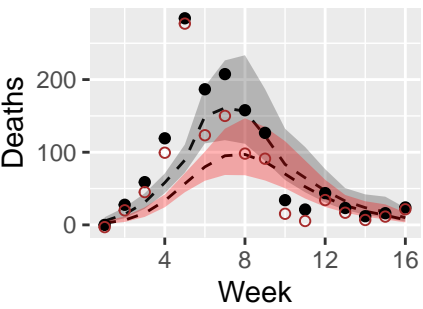
Seroprevalence  
binom II = -46 1



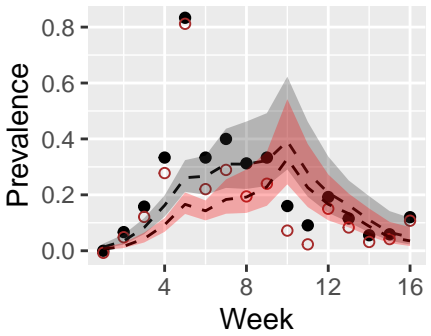
Combined prevalence  
binom II = -8 1



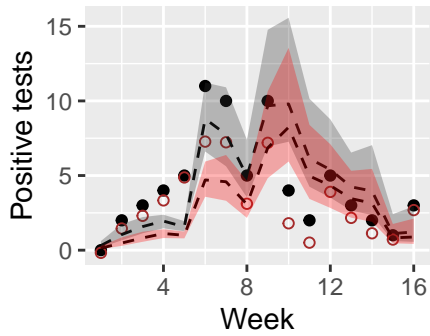
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -35 1



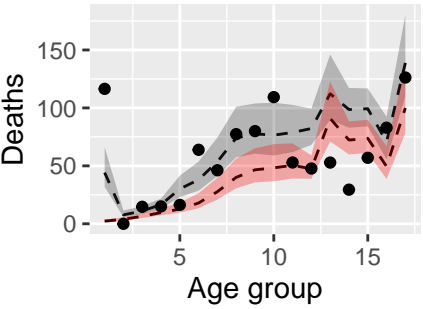
COVID-19 weekly prevalence  
(UTH mortuary)



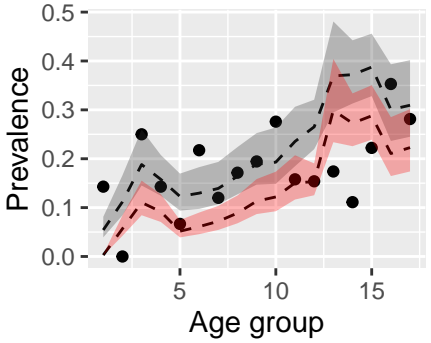
COVID-19 weekly positive tests  
(UTH mortuary)



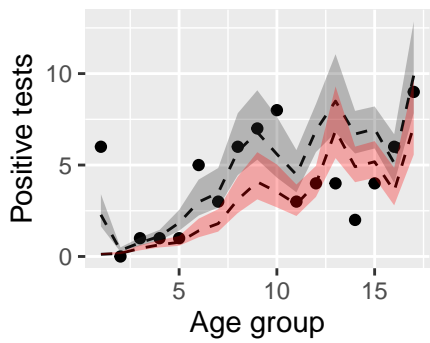
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.1



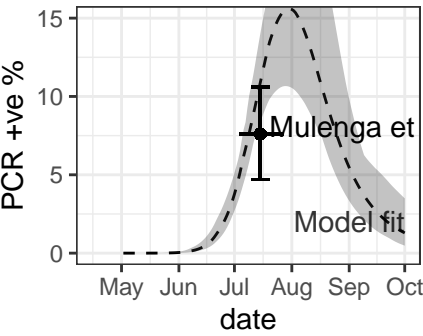
COVID-19 prevalence by age  
(UTH mortuary)



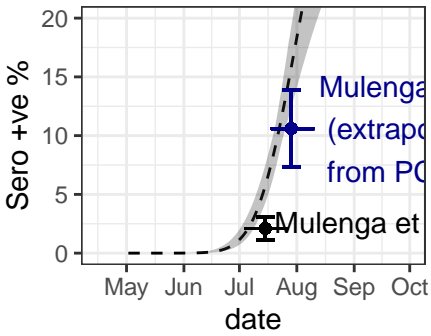
COVID-19 positive tests by age  
(UTH mortuary)



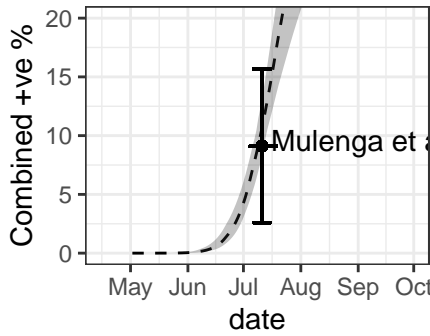
PCR prevalence  
binom II = -24 1

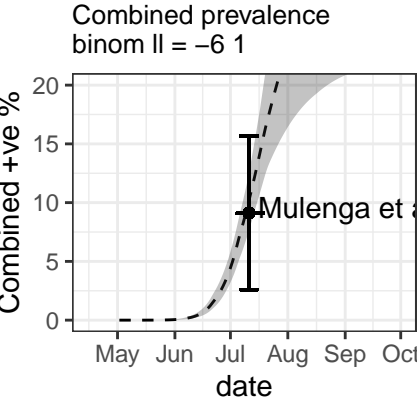
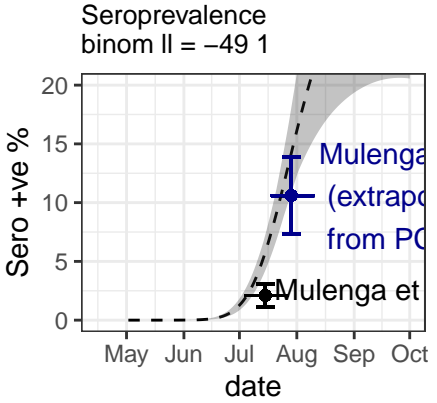
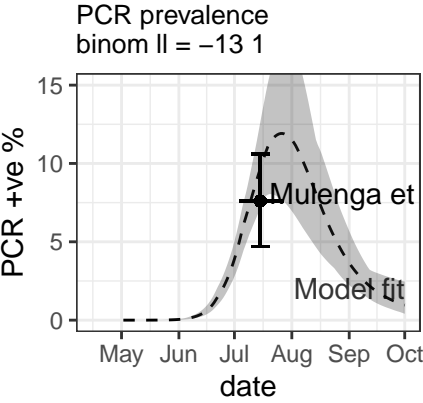
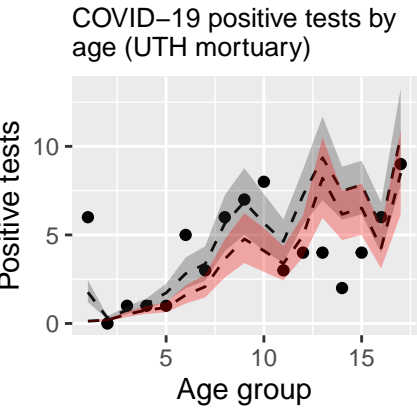
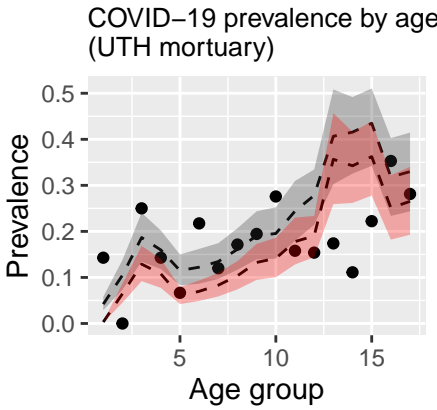
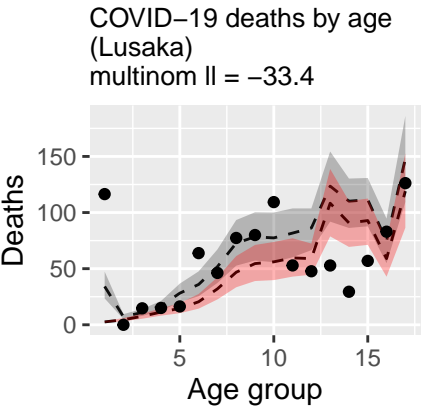
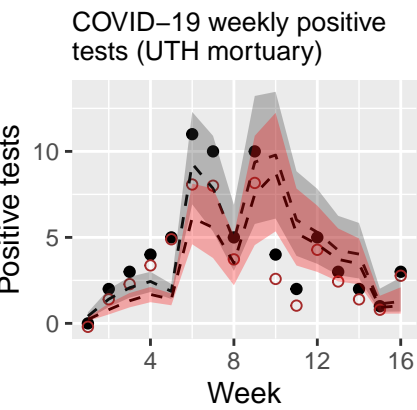
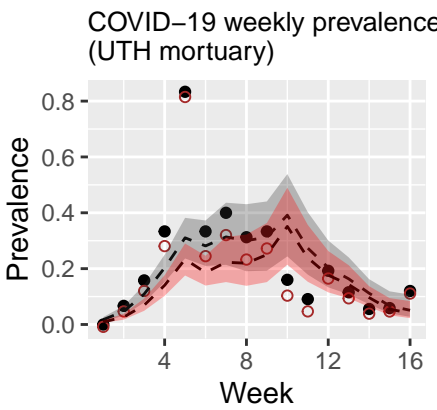
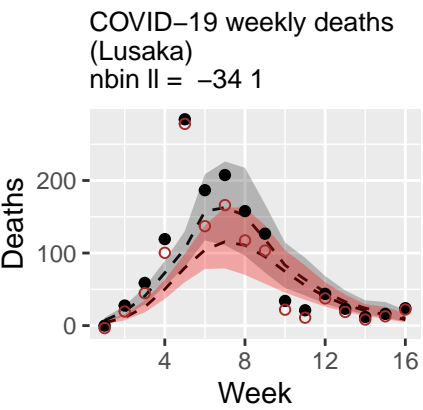


Seroprevalence  
binom II = -48 1

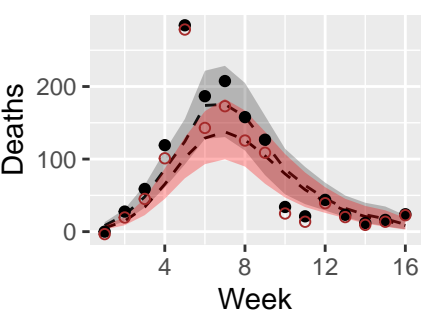


Combined prevalence  
binom II = -7 1

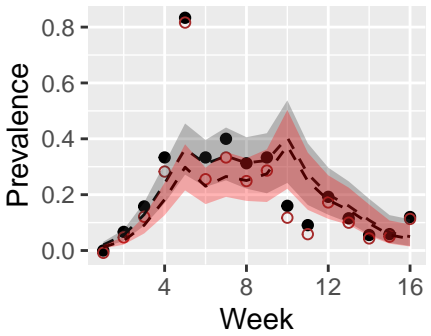




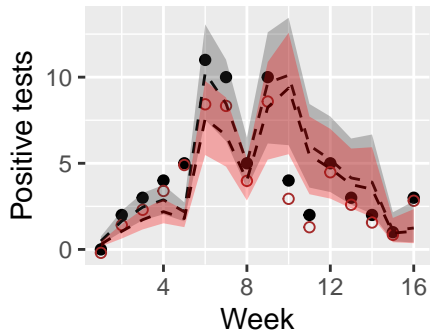
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



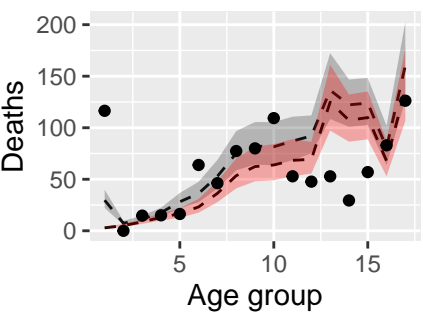
COVID-19 weekly prevalence  
(UTH mortuary)



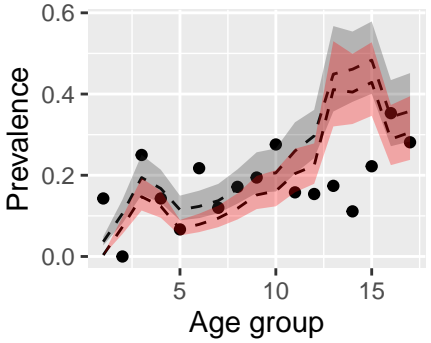
COVID-19 weekly positive tests  
(UTH mortuary)



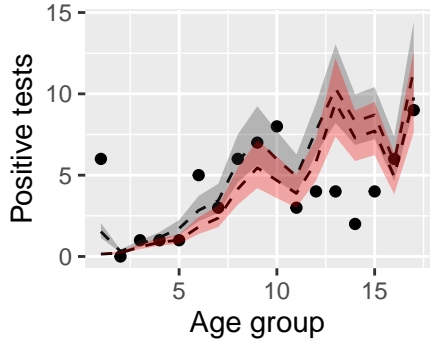
COVID-19 deaths by age  
(Lusaka)  
multinom = 35



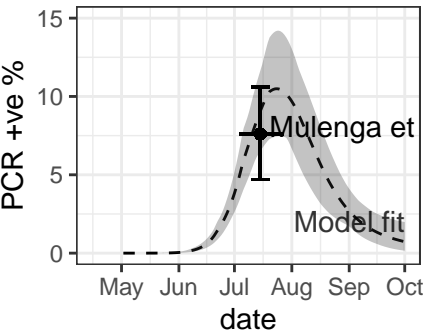
COVID-19 prevalence by age  
(UTH mortuary)



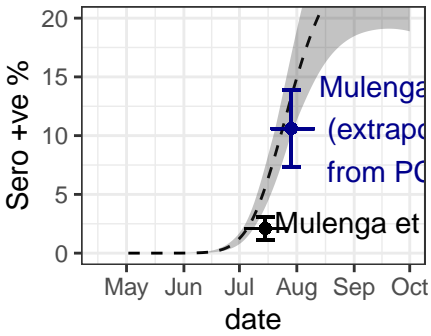
COVID-19 positive tests by age  
(UTH mortuary)



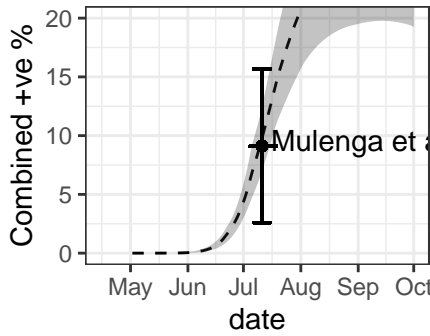
PCR prevalence  
binom = 10 1



Seroprevalence  
binom = 46 1

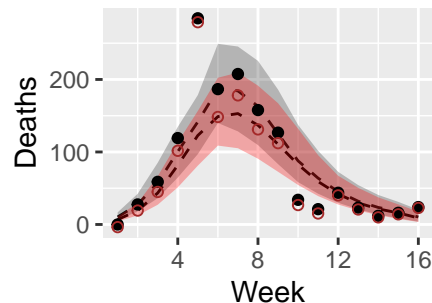


Combined prevalence  
binom = 5 1

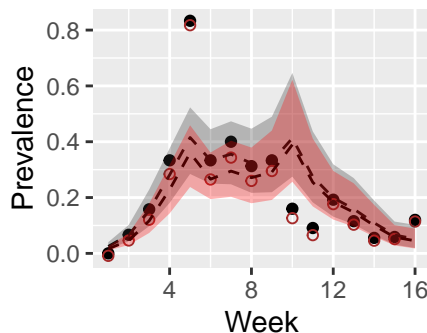


IFR x 1, Slope x 1

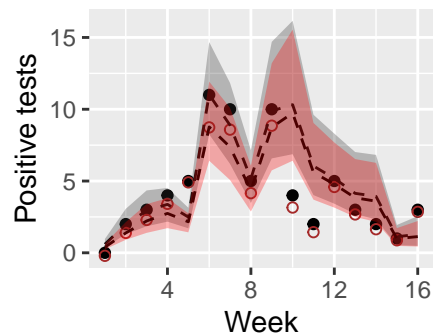
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



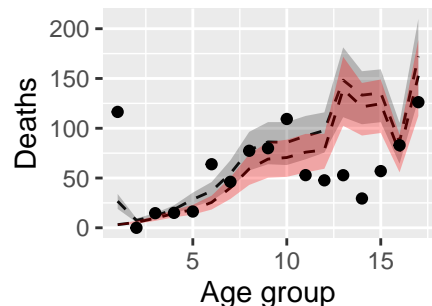
COVID-19 weekly prevalence  
(UTH mortuary)



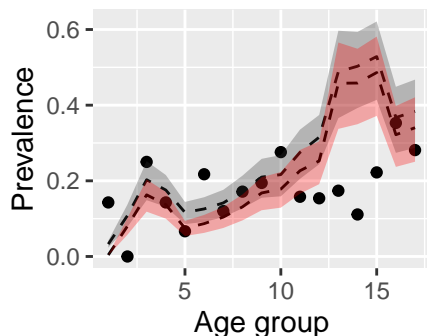
COVID-19 weekly positive tests  
(UTH mortuary)



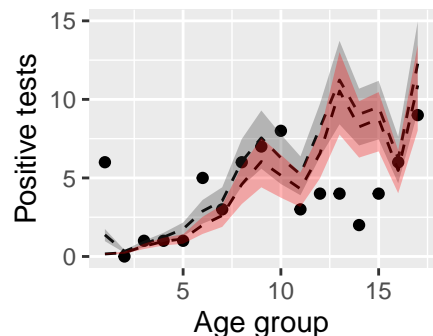
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.3



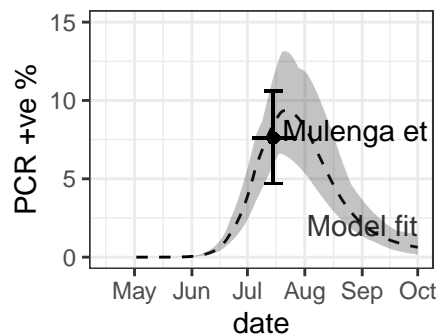
COVID-19 prevalence by age  
(UTH mortuary)



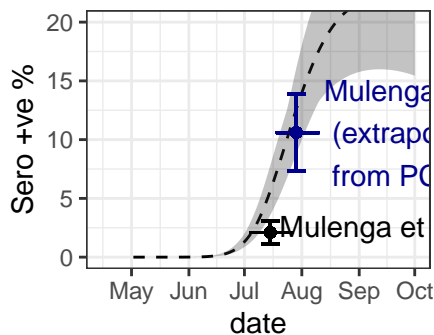
COVID-19 positive tests by  
age (UTH mortuary)



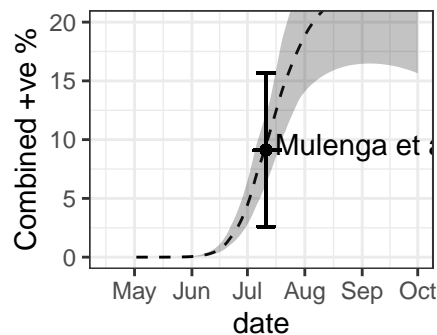
PCR prevalence  
binom II = -7 1



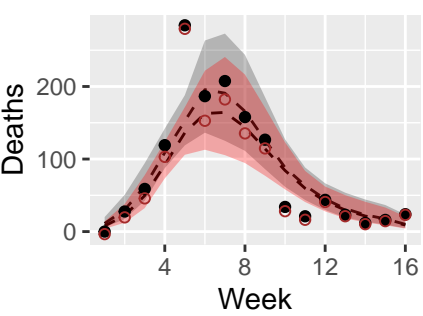
Seroprevalence  
binom II = -46 1



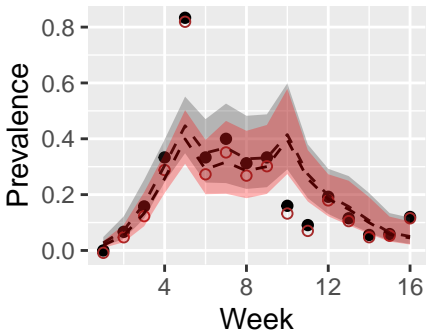
Combined prevalence  
binom II = -5 1



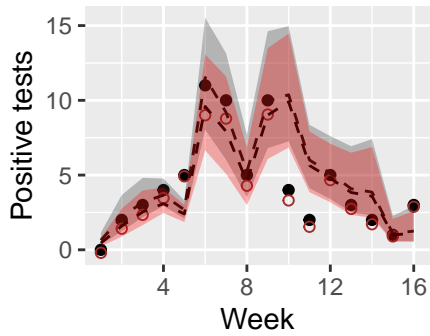
COVID-19 weekly deaths  
(Lusaka)  
nbins = 33



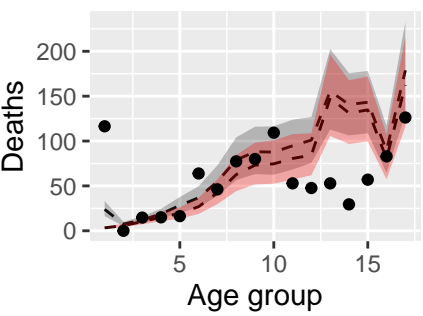
COVID-19 weekly prevalence  
(UTH mortuary)



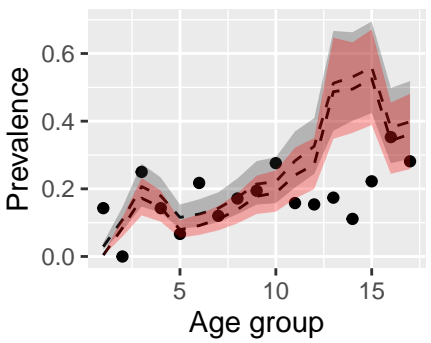
COVID-19 weekly positive tests  
(UTH mortuary)



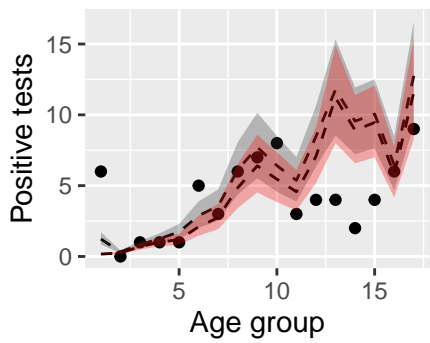
COVID-19 deaths by age  
(Lusaka)  
multinom = 37.4



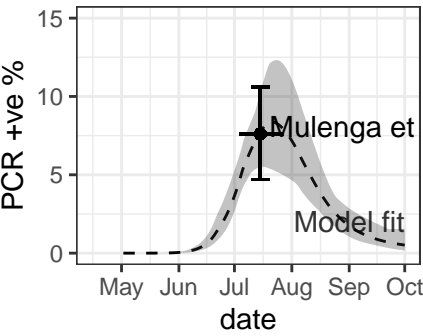
COVID-19 prevalence by age  
(UTH mortuary)



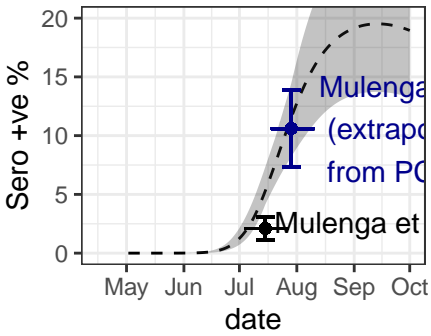
COVID-19 positive tests by age  
(UTH mortuary)



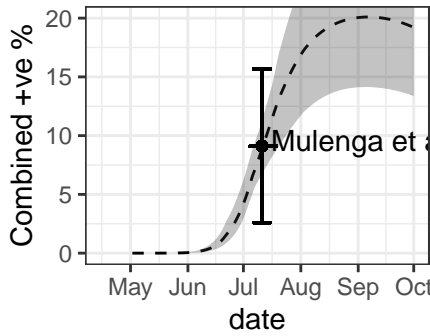
PCR prevalence  
binom = 5



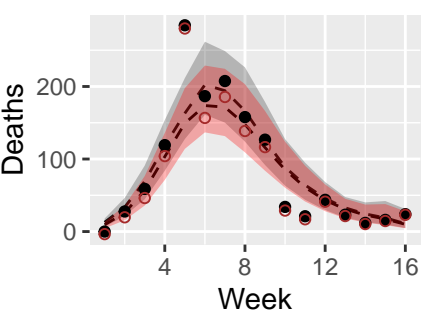
Seroprevalence  
binom = 40



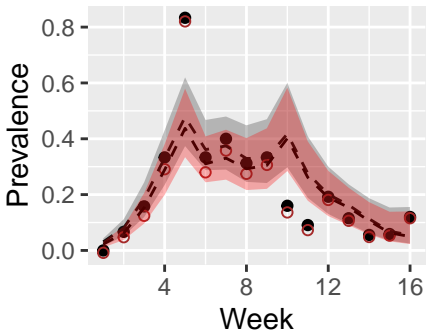
Combined prevalence  
binom = 5



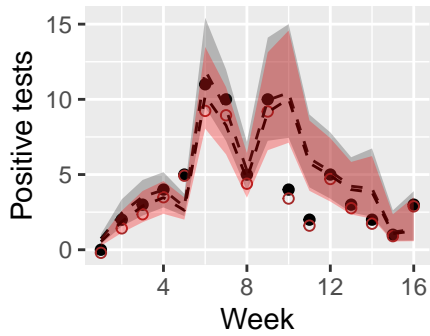
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



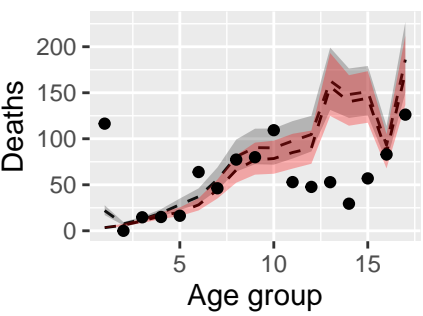
COVID-19 weekly prevalence  
(UTH mortuary)



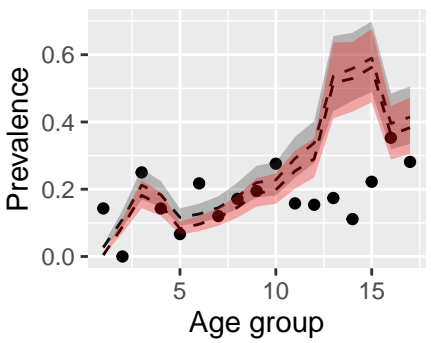
COVID-19 weekly positive tests  
(UTH mortuary)



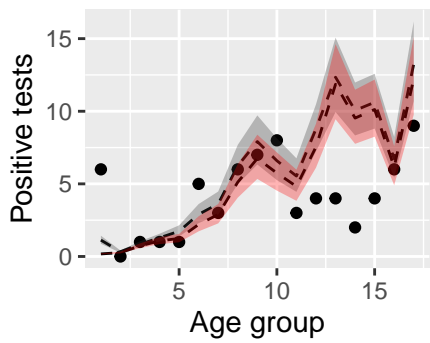
COVID-19 deaths by age  
(Lusaka)  
multinom II = -38.4



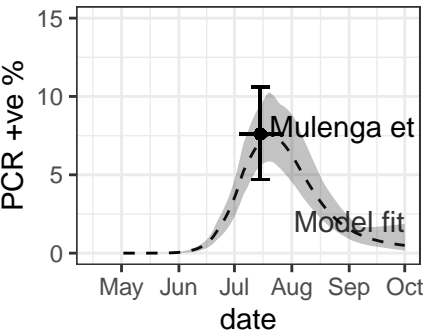
COVID-19 prevalence by age  
(UTH mortuary)



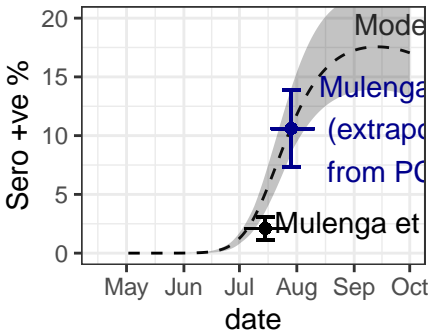
COVID-19 positive tests by age  
(UTH mortuary)



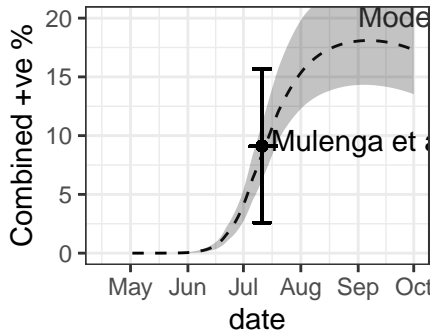
PCR prevalence  
binom II = -6 1

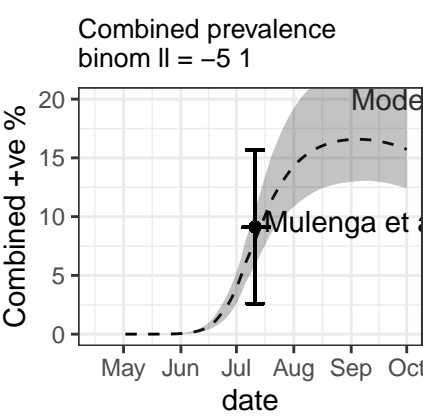
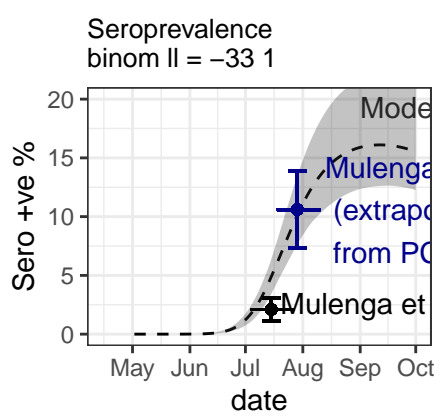
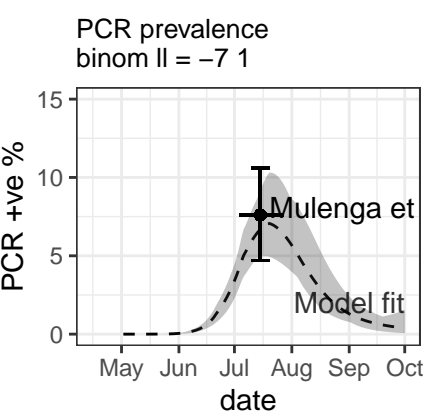
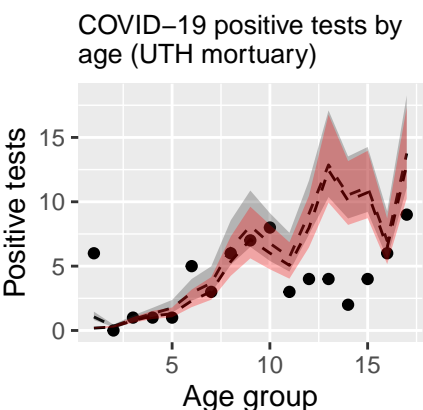
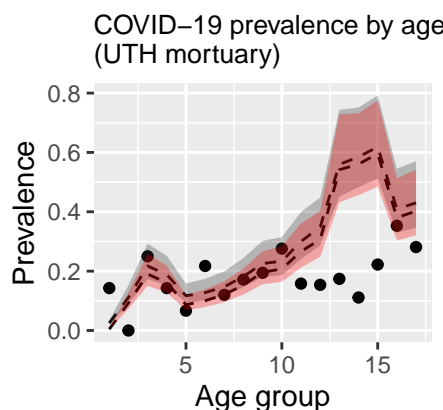
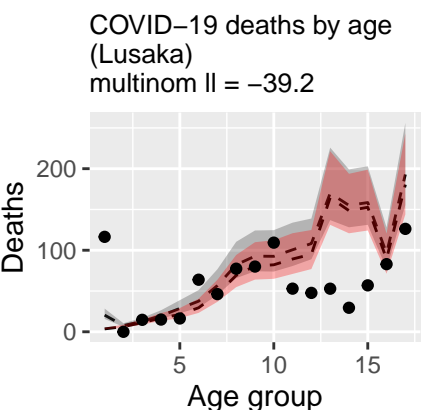
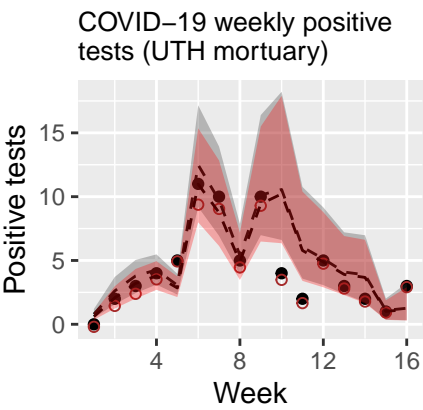
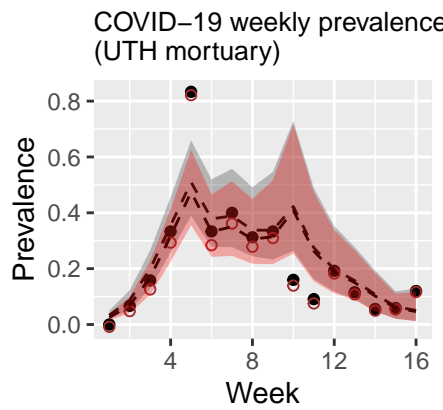
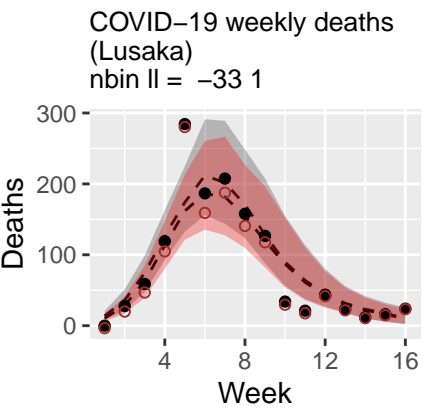


Seroprevalence  
binom II = -36 1



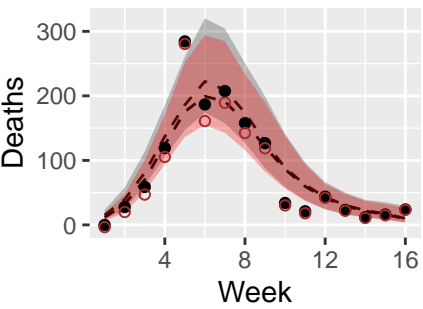
Combined prevalence  
binom II = -4 1



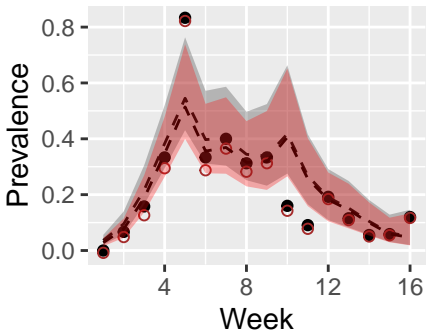




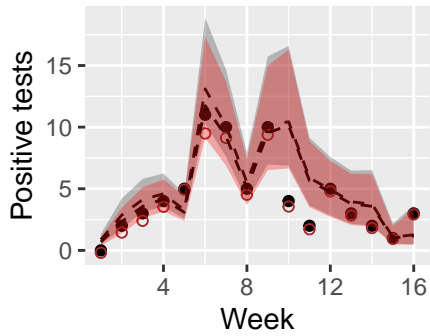
COVID-19 weekly deaths  
(Lusaka)  
nbins = 33 1



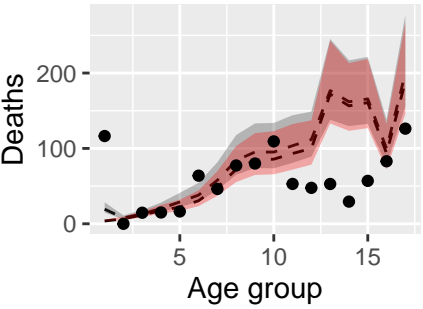
COVID-19 weekly prevalence  
(UTH mortuary)



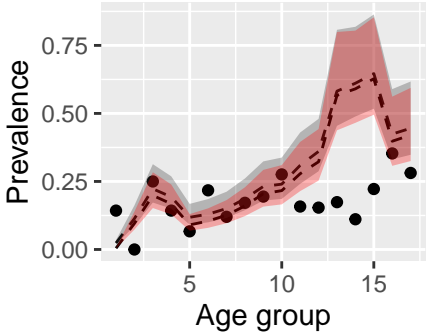
COVID-19 weekly positive tests  
(UTH mortuary)



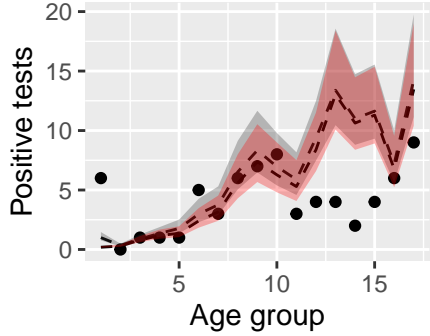
COVID-19 deaths by age  
(Lusaka)  
multinom = 39.9



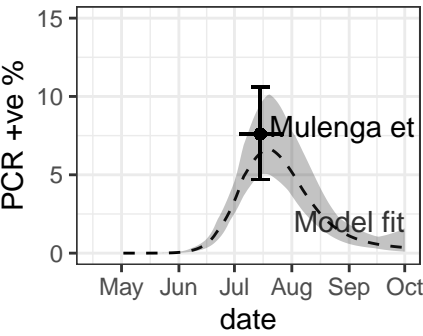
COVID-19 prevalence by age  
(UTH mortuary)



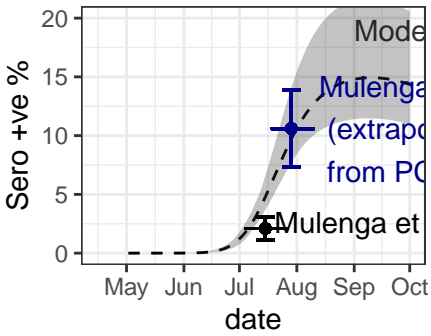
COVID-19 positive tests by age  
(UTH mortuary)



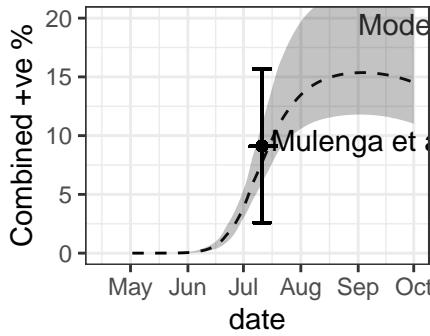
PCR prevalence  
binom = 9 1



Seroprevalence  
binom = 31 1

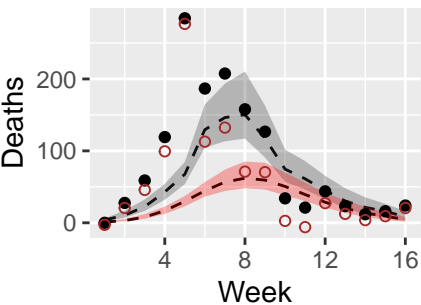


Combined prevalence  
binom = 5 1

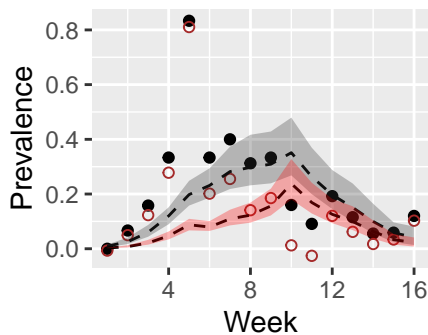


IFR x 0.2, Slope x 1.2

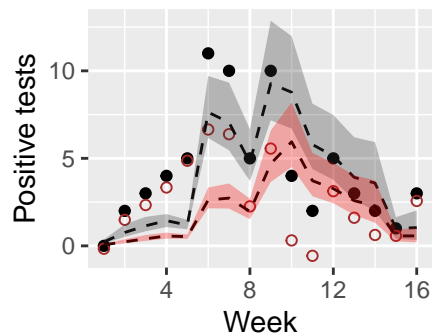
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -38 1



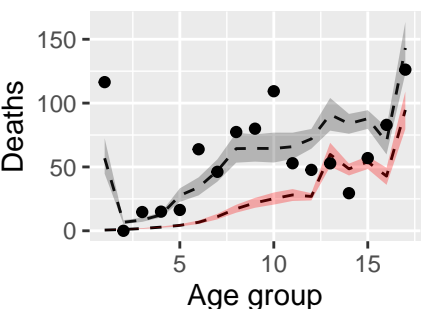
COVID-19 weekly prevalence  
(UTH mortuary)



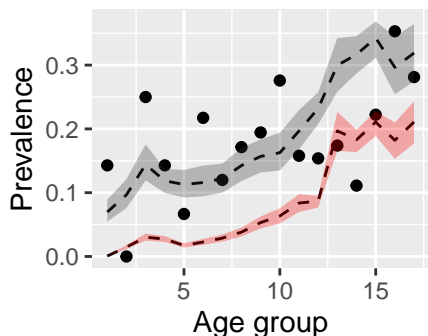
COVID-19 weekly positive tests  
(UTH mortuary)



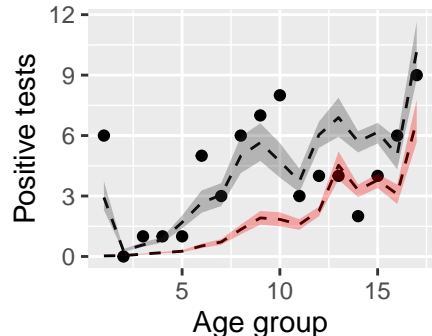
COVID-19 deaths by age  
(Lusaka)  
multinom II = -29.5



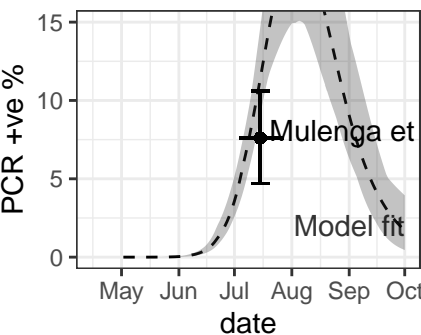
COVID-19 prevalence by age  
(UTH mortuary)



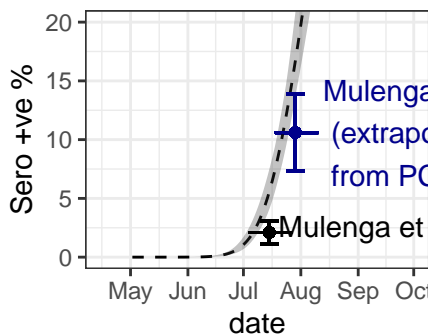
COVID-19 positive tests by age  
(UTH mortuary)



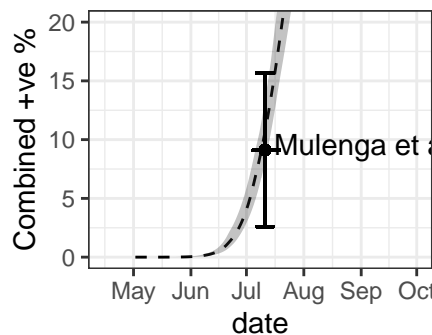
PCR prevalence  
binom II = -29 1



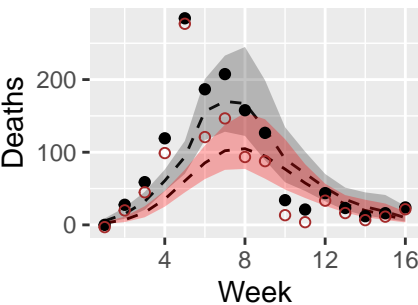
Seroprevalence  
binom II = -45 1



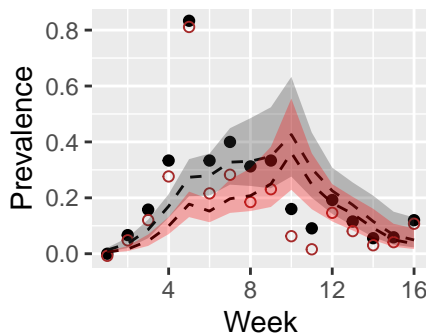
Combined prevalence  
binom II = -8 1



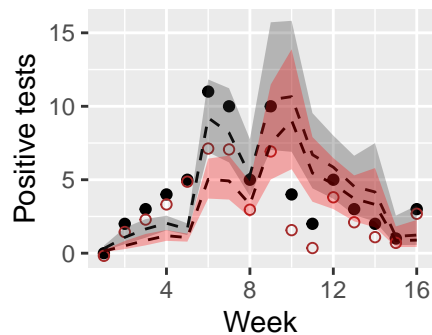
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -36 1



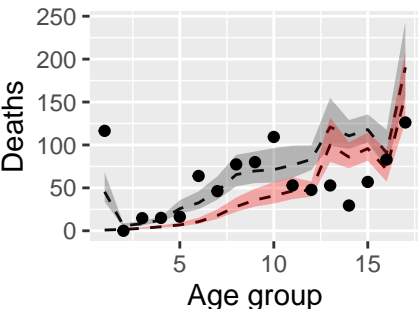
COVID-19 weekly prevalence  
(UTH mortuary)



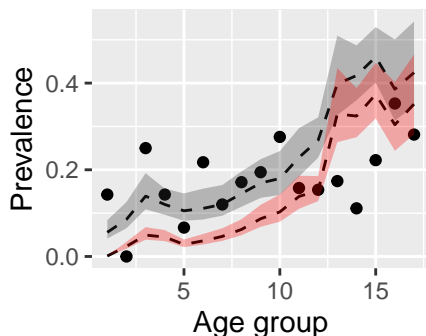
COVID-19 weekly positive tests  
(UTH mortuary)



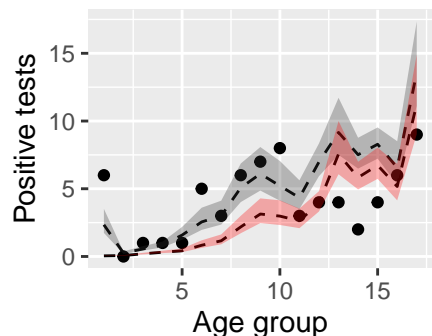
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.3



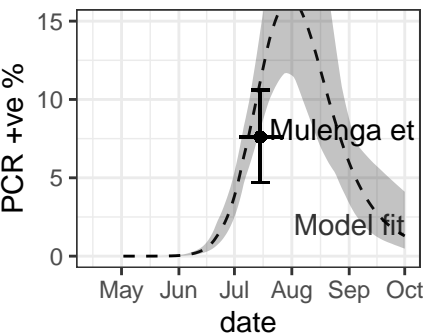
COVID-19 prevalence by age  
(UTH mortuary)



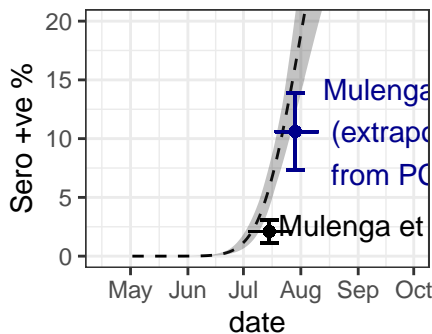
COVID-19 positive tests by  
age (UTH mortuary)



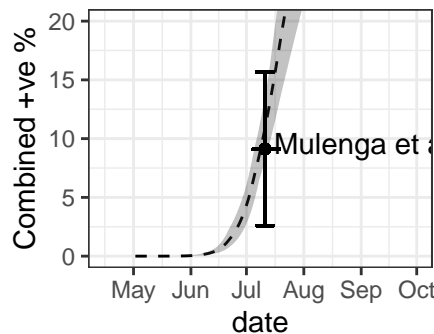
PCR prevalence  
binom II = -27 1



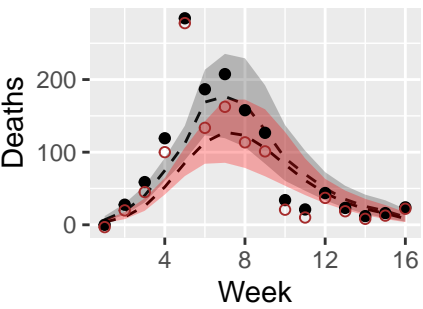
Seroprevalence  
binom II = -50 1



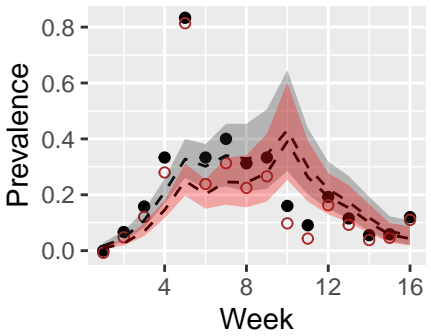
Combined prevalence  
binom II = -7 1



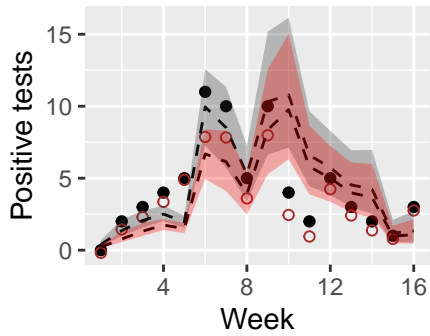
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



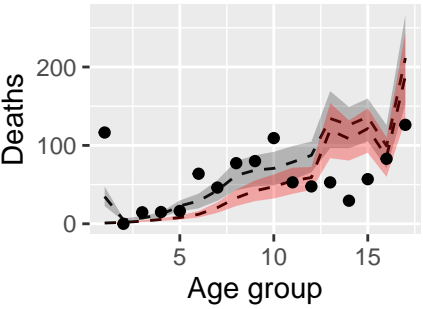
COVID-19 weekly prevalence  
(UTH mortuary)



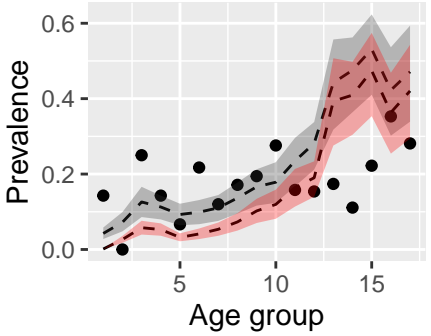
COVID-19 weekly positive tests  
(UTH mortuary)



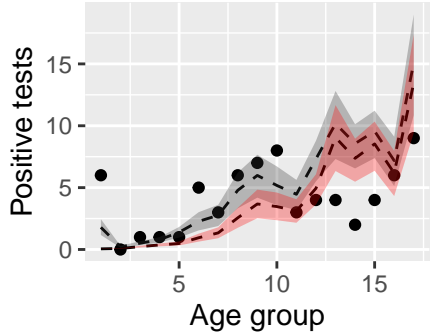
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.9



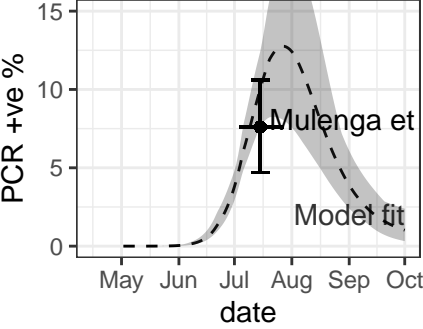
COVID-19 prevalence by age  
(UTH mortuary)



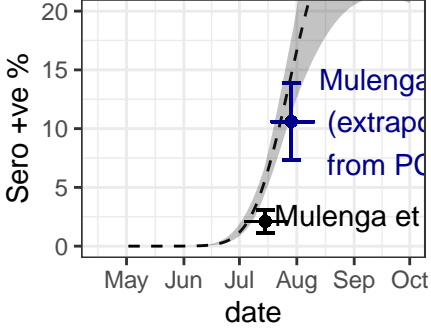
COVID-19 positive tests by age  
(UTH mortuary)



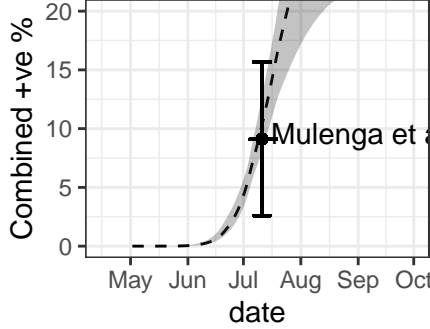
PCR prevalence  
binom II = -16 1



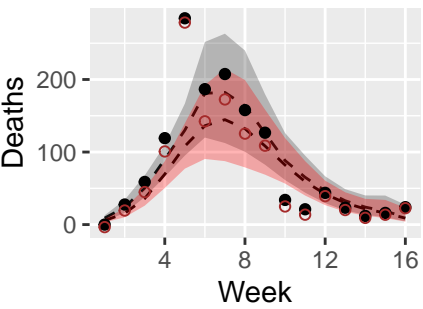
Seroprevalence  
binom II = -47 1



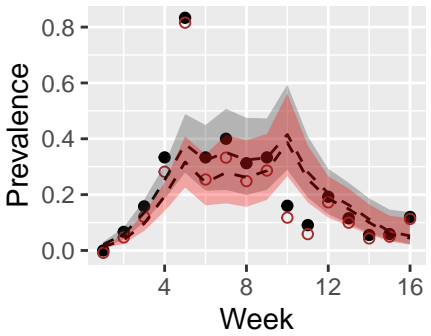
Combined prevalence  
binom II = -6 1



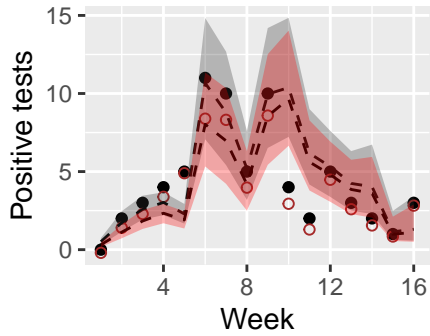
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



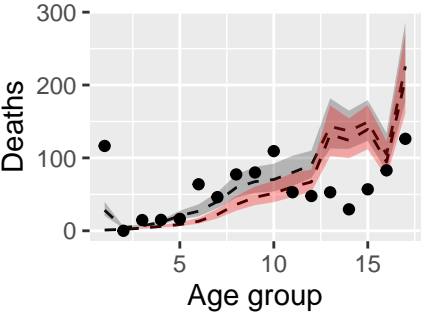
COVID-19 weekly prevalence  
(UTH mortuary)



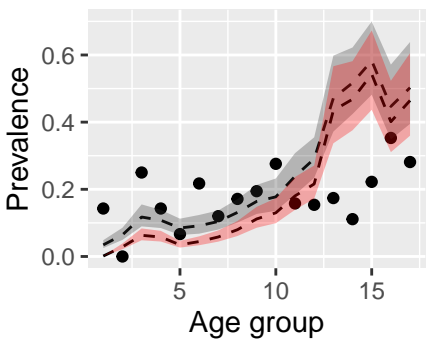
COVID-19 weekly positive tests  
(UTH mortuary)



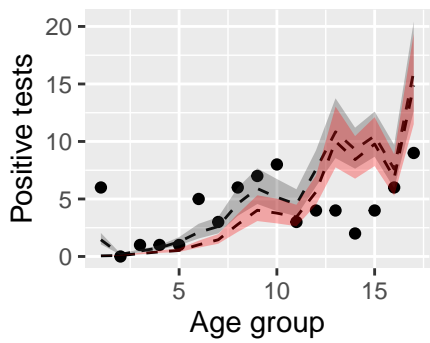
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.7



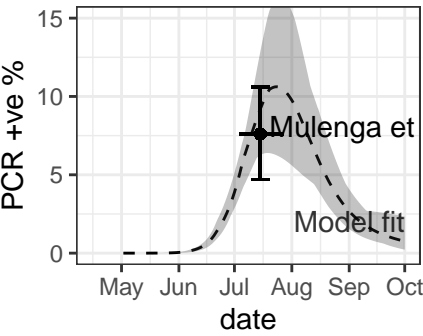
COVID-19 prevalence by age  
(UTH mortuary)



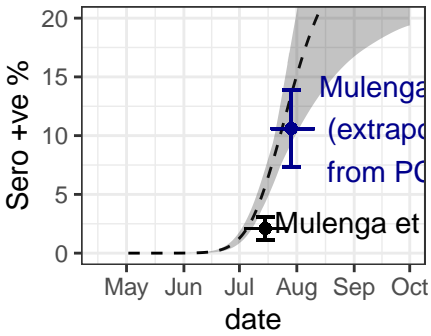
COVID-19 positive tests by age  
(UTH mortuary)



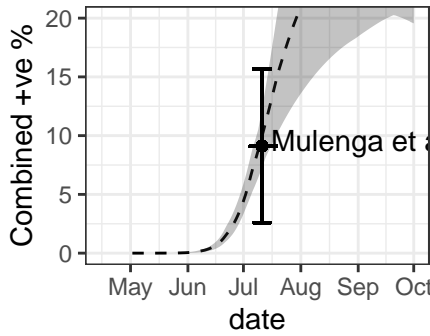
PCR prevalence  
binom II = -10 1



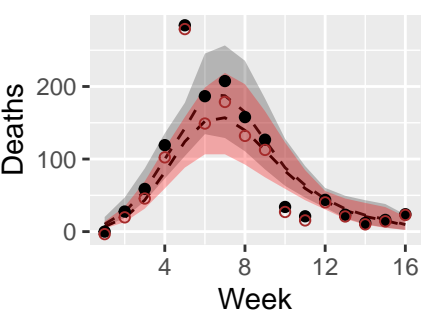
Seroprevalence  
binom II = -47 1



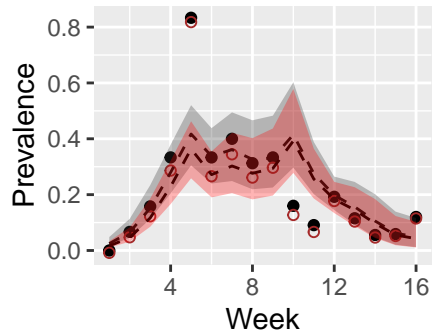
Combined prevalence  
binom II = -5 1



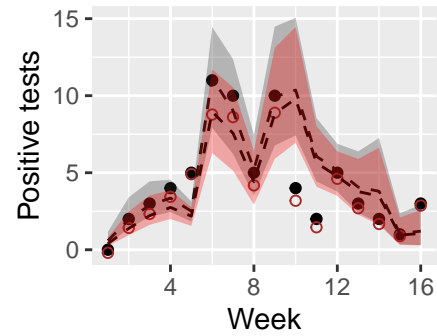
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



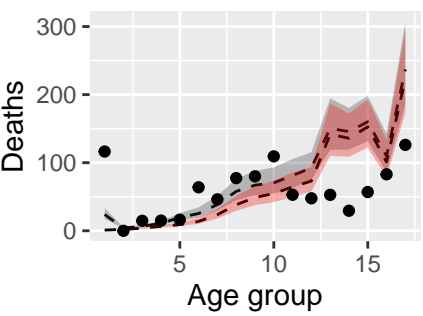
COVID-19 weekly prevalence  
(UTH mortuary)



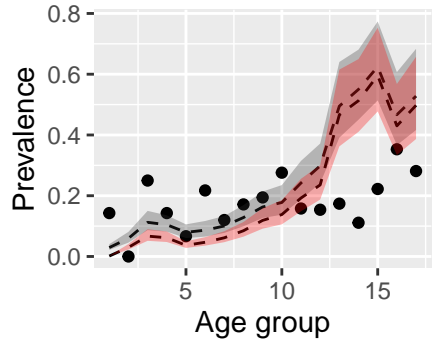
COVID-19 weekly positive tests  
(UTH mortuary)



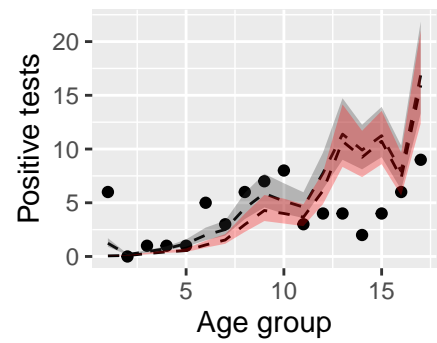
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.9



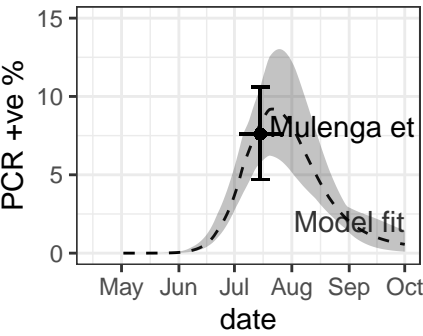
COVID-19 prevalence by age  
(UTH mortuary)



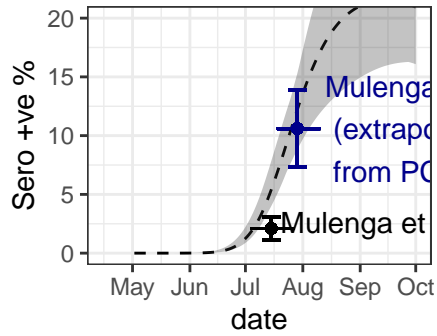
COVID-19 positive tests by age  
(UTH mortuary)



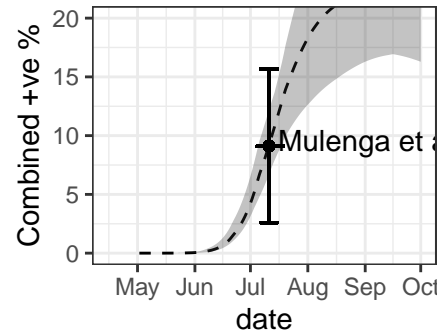
PCR prevalence  
binom II = -6 1



Seroprevalence  
binom II = -42 1

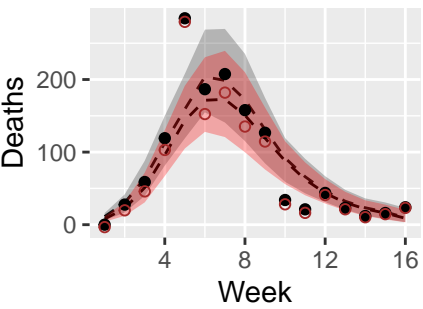


Combined prevalence  
binom II = -5 1

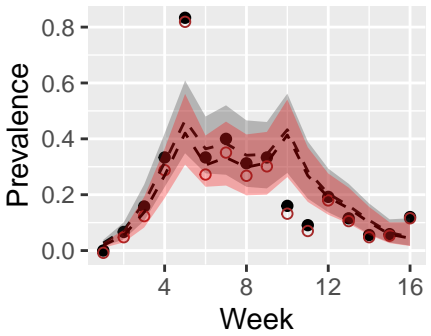


IFR x 1.2, Slope x 1.2

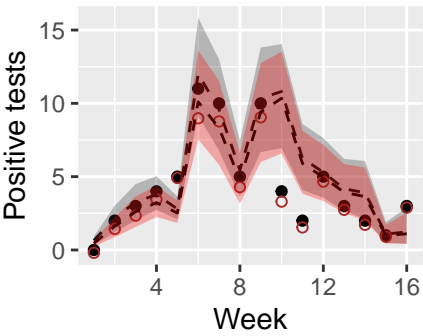
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



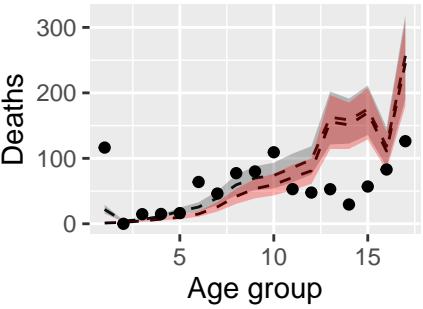
COVID-19 weekly prevalence  
(UTH mortuary)



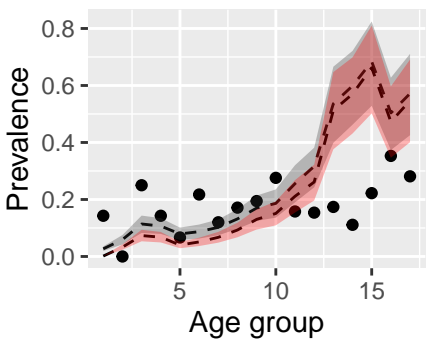
COVID-19 weekly positive tests  
(UTH mortuary)



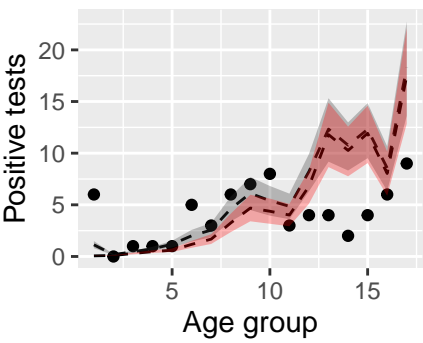
COVID-19 deaths by age  
(Lusaka)  
multinom II = -43.5



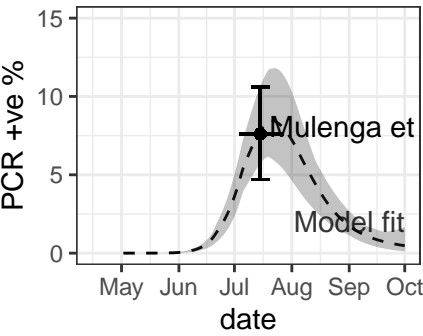
COVID-19 prevalence by age  
(UTH mortuary)



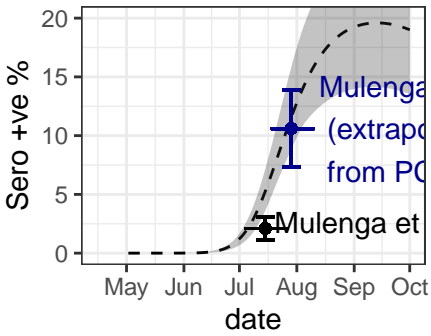
COVID-19 positive tests by age  
(UTH mortuary)



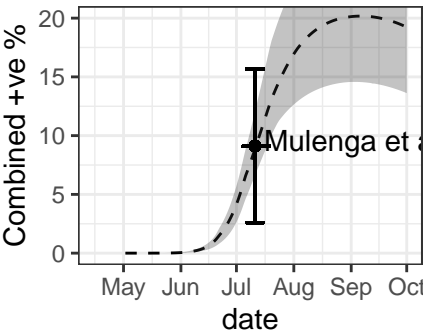
PCR prevalence  
binom II = -6 1



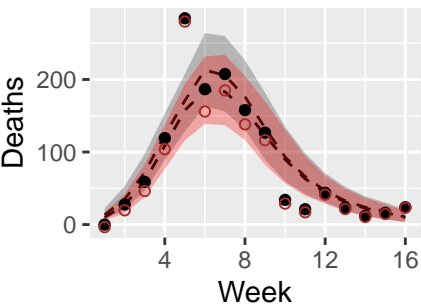
Seroprevalence  
binom II = -39 1



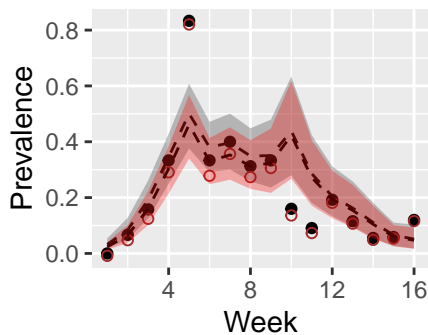
Combined prevalence  
binom II = -5 1



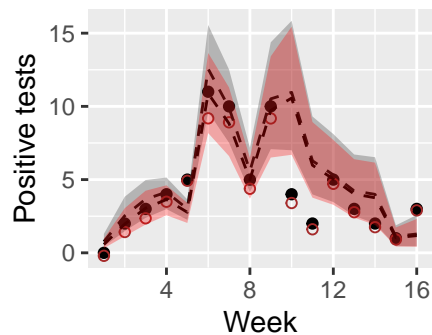
COVID-19 weekly deaths  
(Lusaka)  
nbins = 33 1



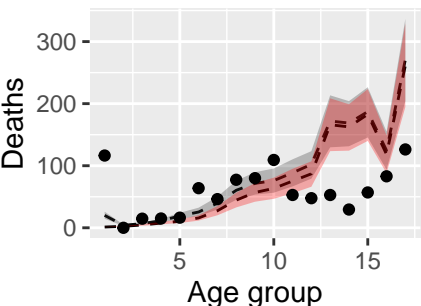
COVID-19 weekly prevalence  
(UTH mortuary)



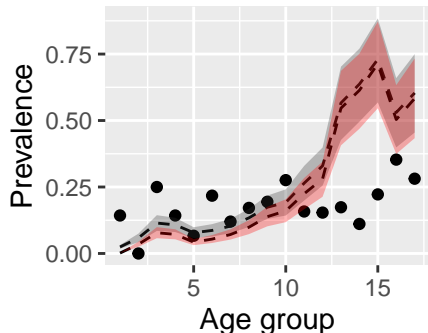
COVID-19 weekly positive tests  
(UTH mortuary)



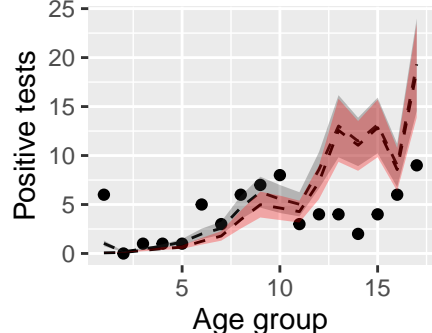
COVID-19 deaths by age  
(Lusaka)  
multinomial = 45



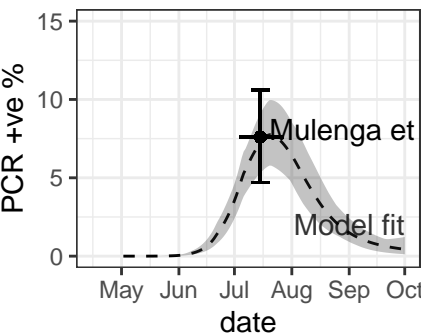
COVID-19 prevalence by age  
(UTH mortuary)



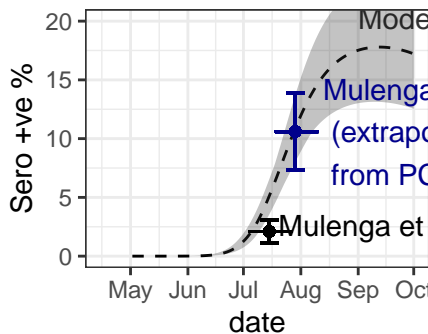
COVID-19 positive tests by age  
(UTH mortuary)



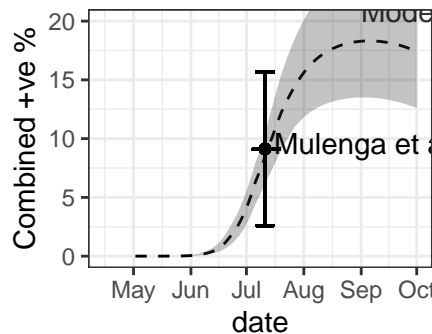
PCR prevalence  
binomial = 6 1



Seroprevalence  
binomial = 37 1

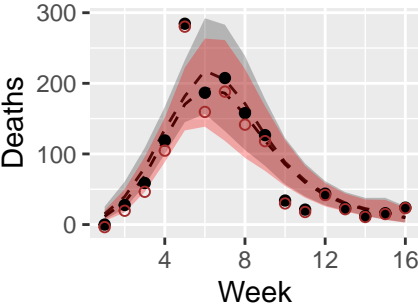


Combined prevalence  
binomial = 4 1

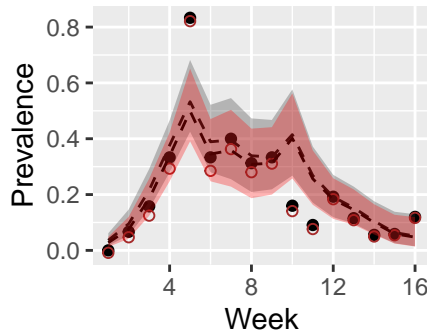




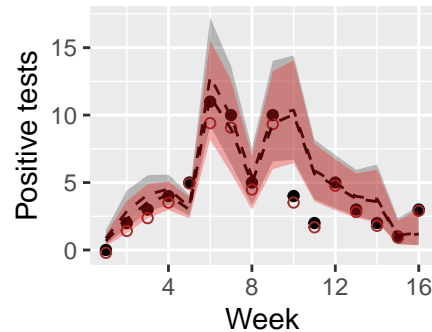
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33.1



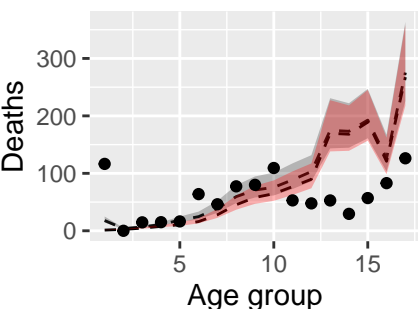
COVID-19 weekly prevalence  
(UTH mortuary)



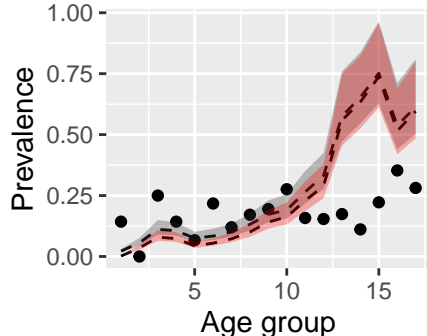
COVID-19 weekly positive tests  
(UTH mortuary)



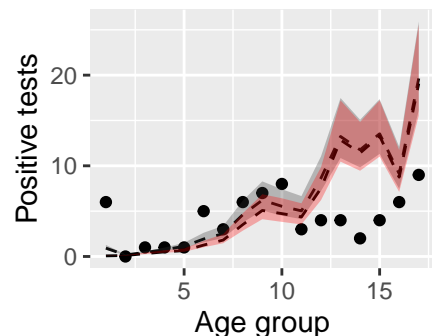
COVID-19 deaths by age  
(Lusaka)  
multinom II = -46.3



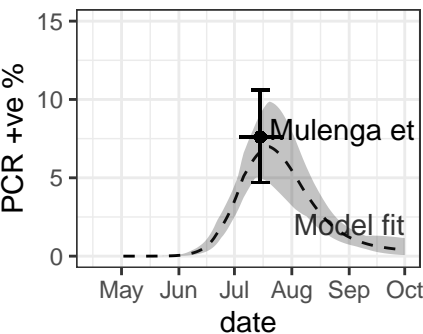
COVID-19 prevalence by age  
(UTH mortuary)



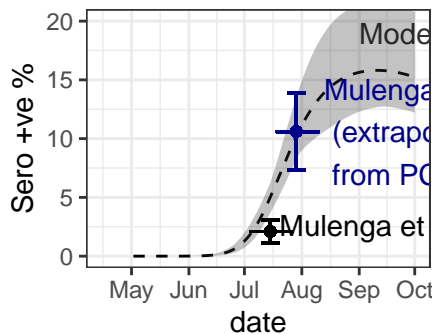
COVID-19 positive tests by age  
(UTH mortuary)



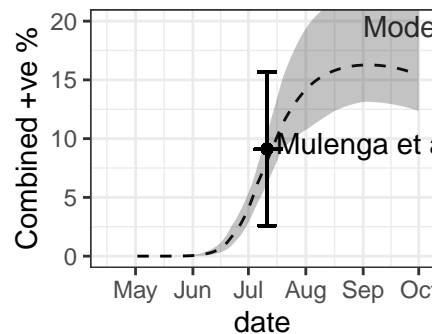
PCR prevalence  
binom II = -7.1



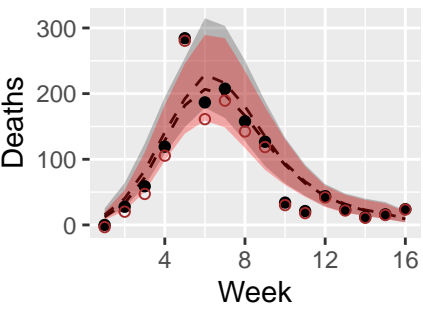
Seroprevalence  
binom II = -35.1



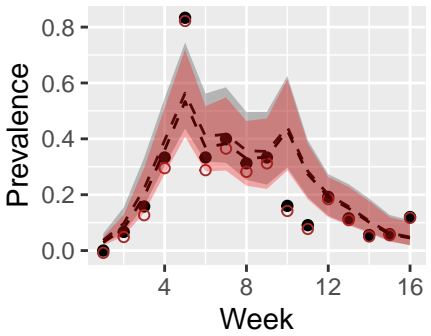
Combined prevalence  
binom II = -4.1



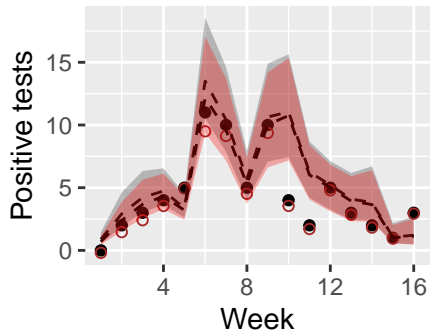
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



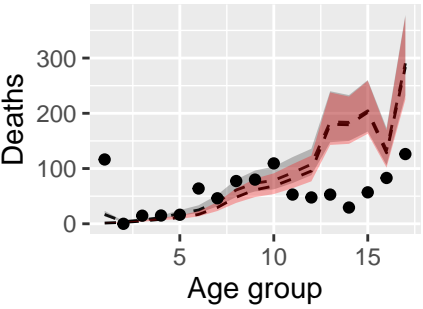
COVID-19 weekly prevalence  
(UTH mortuary)



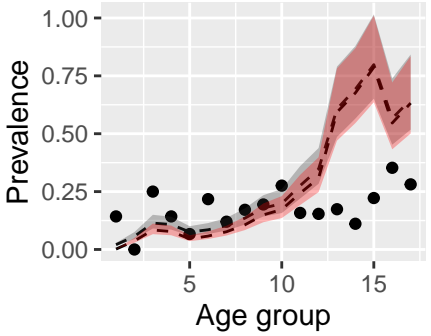
COVID-19 weekly positive tests  
(UTH mortuary)



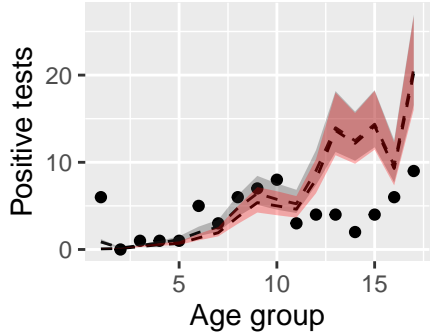
COVID-19 deaths by age  
(Lusaka)  
multinom II = -47.4



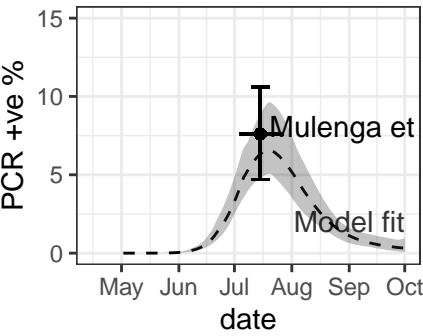
COVID-19 prevalence by age  
(UTH mortuary)



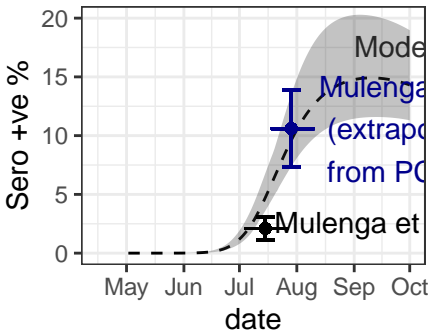
COVID-19 positive tests by age  
(UTH mortuary)



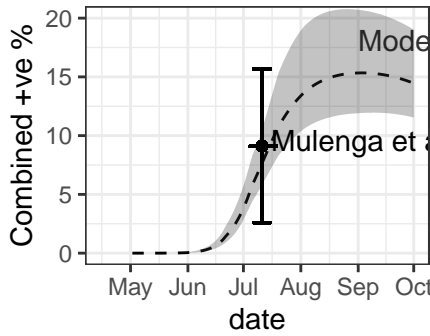
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -30 1

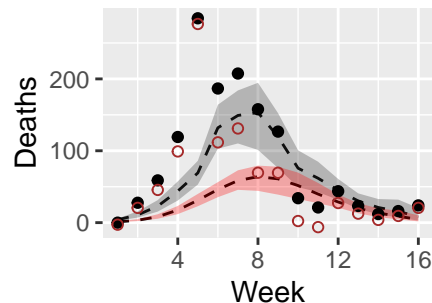


Combined prevalence  
binom II = -5 1

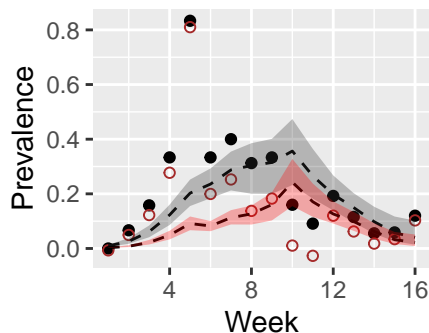


IFR x 0.2, Slope x 1.4

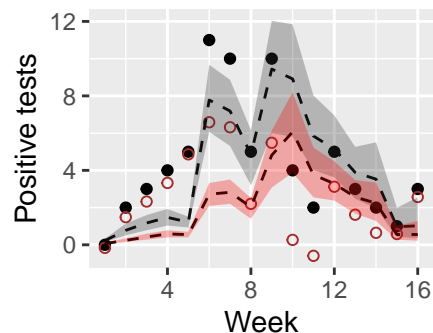
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -37.1



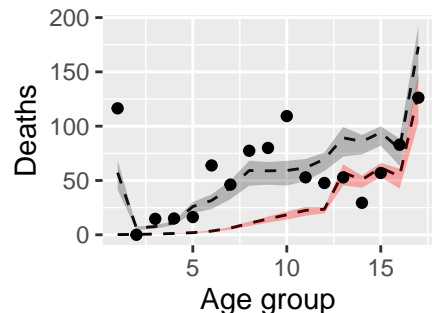
COVID-19 weekly prevalence  
(UTH mortuary)



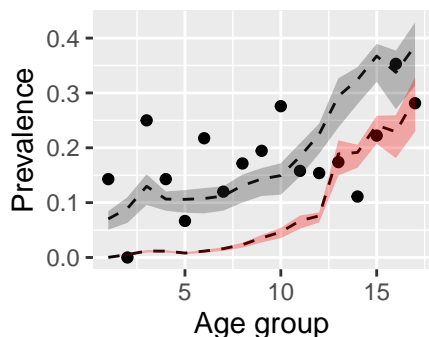
COVID-19 weekly positive tests  
(UTH mortuary)



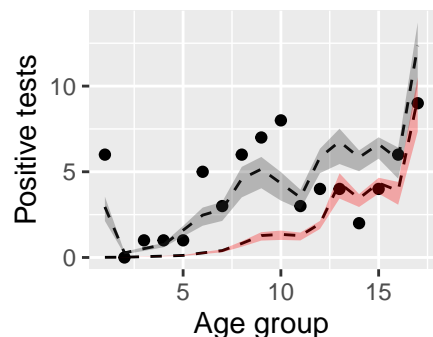
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30.7



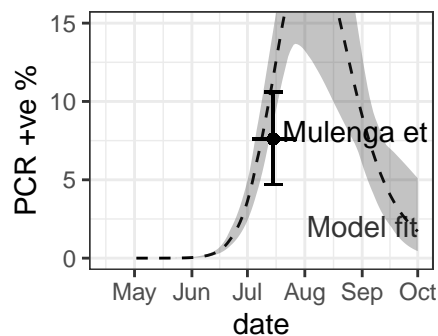
COVID-19 prevalence by age  
(UTH mortuary)



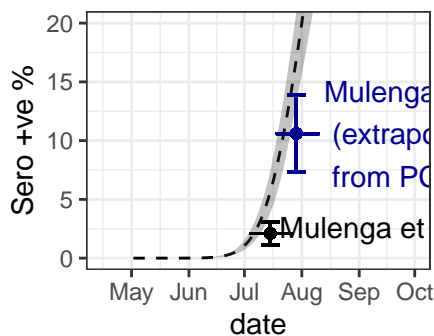
COVID-19 positive tests by age  
(UTH mortuary)



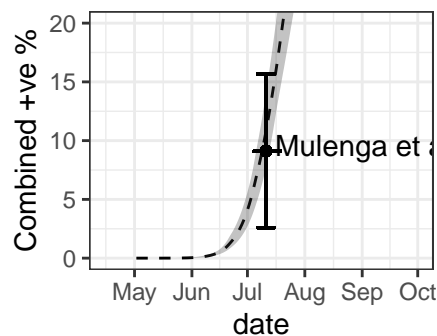
PCR prevalence  
binom II = -31.1



Seroprevalence  
binom II = -46.1

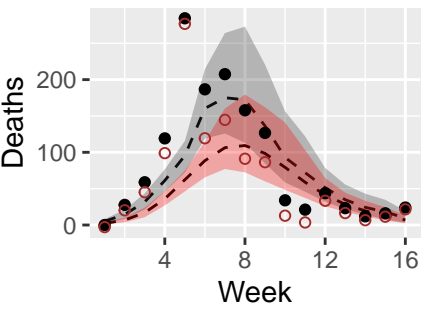


Combined prevalence  
binom II = -8.1

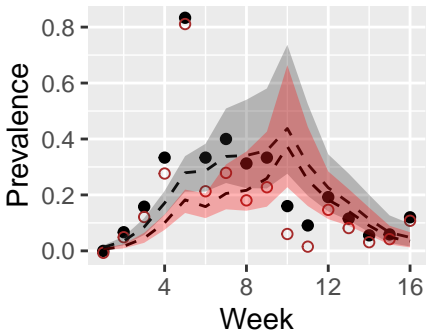


IFR x 0.4, Slope x 1.4

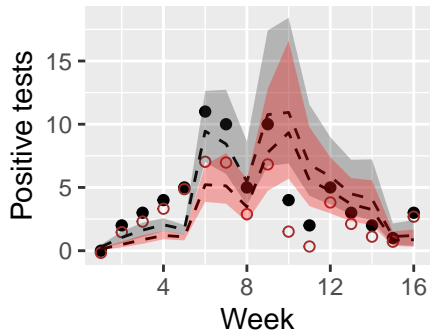
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -36 1



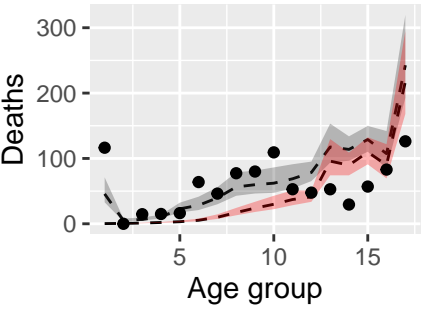
COVID-19 weekly prevalence  
(UTH mortuary)



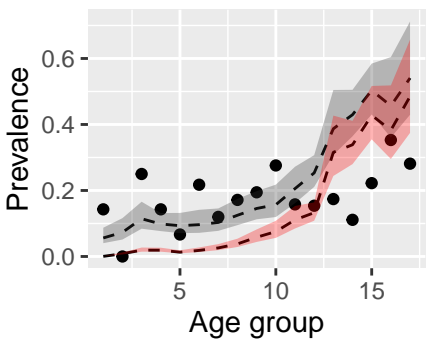
COVID-19 weekly positive tests  
(UTH mortuary)



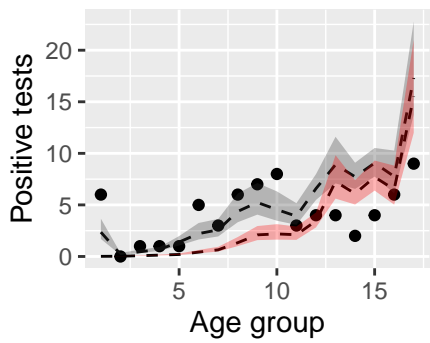
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.3



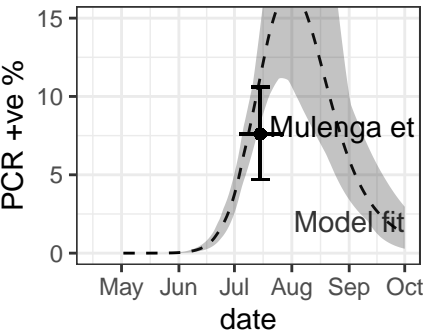
COVID-19 prevalence by age  
(UTH mortuary)



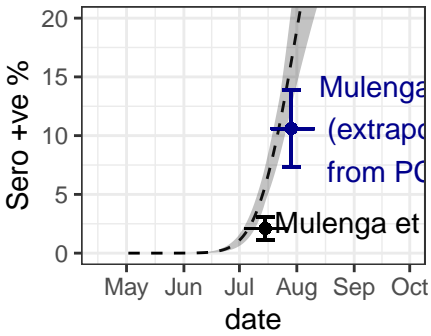
COVID-19 positive tests by age  
(UTH mortuary)



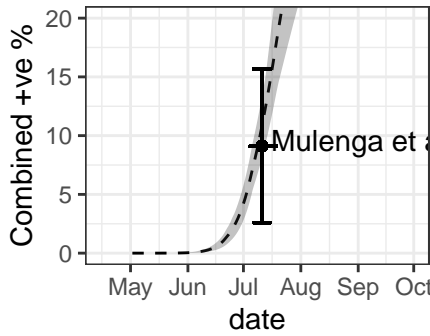
PCR prevalence  
binom II = -28 1



Seroprevalence  
binom II = -48 1

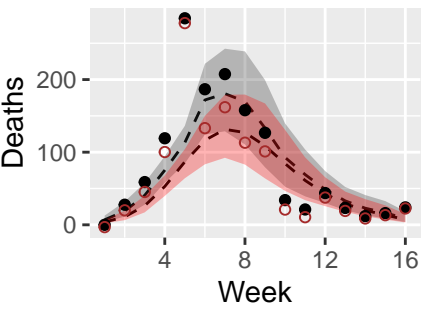


Combined prevalence  
binom II = -8 1

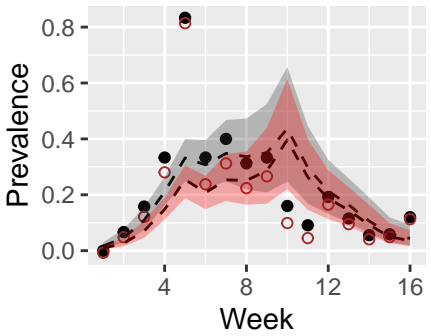


IFR x 0.6, Slope x 1.4

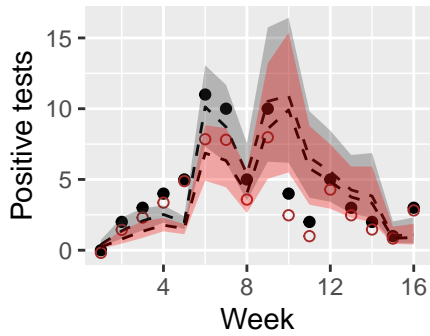
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -35 1



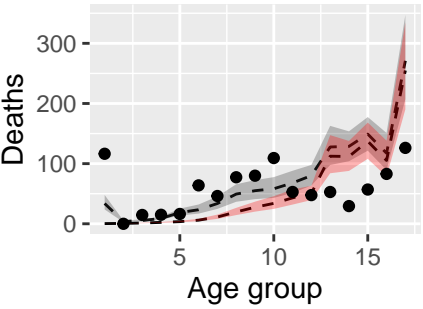
COVID-19 weekly prevalence  
(UTH mortuary)



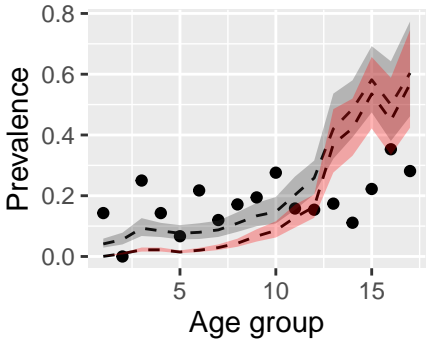
COVID-19 weekly positive tests  
(UTH mortuary)



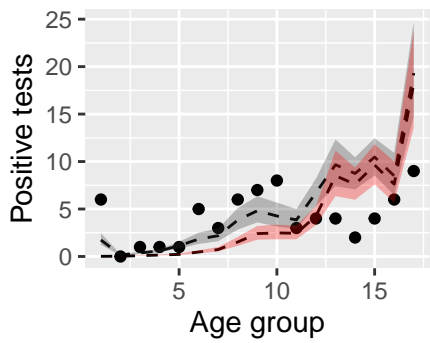
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.6



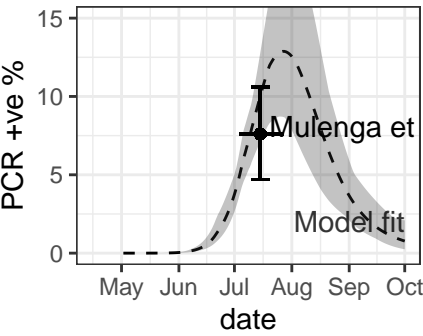
COVID-19 prevalence by age  
(UTH mortuary)



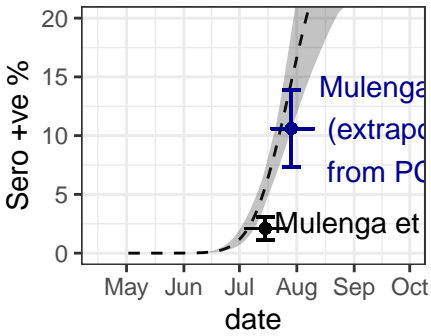
COVID-19 positive tests by age  
(UTH mortuary)



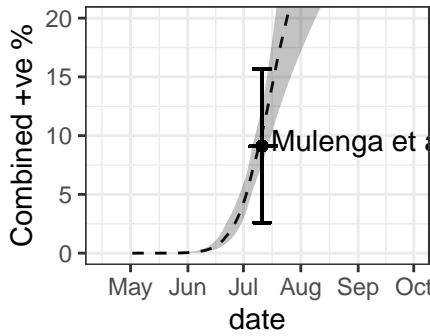
PCR prevalence  
binom II = -16 1



Seroprevalence  
binom II = -46 1

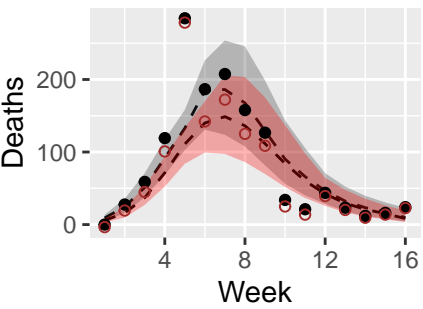


Combined prevalence  
binom II = -6 1

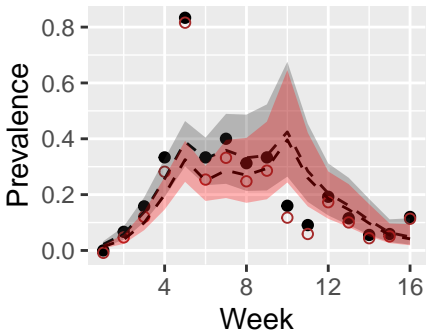


IFR x 0.8, Slope x 1.4

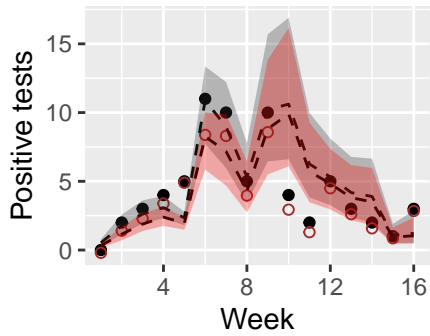
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



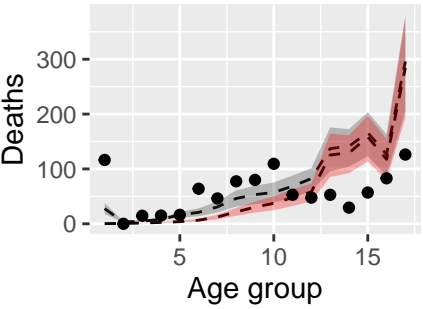
COVID-19 weekly prevalence  
(UTH mortuary)



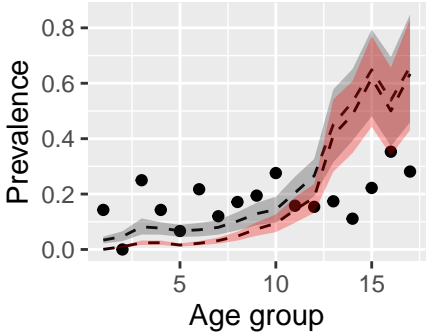
COVID-19 weekly positive tests  
(UTH mortuary)



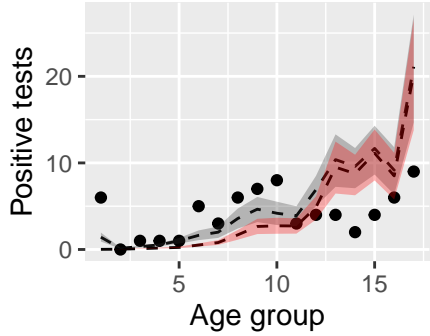
COVID-19 deaths by age  
(Lusaka)  
multinomial = -45.5



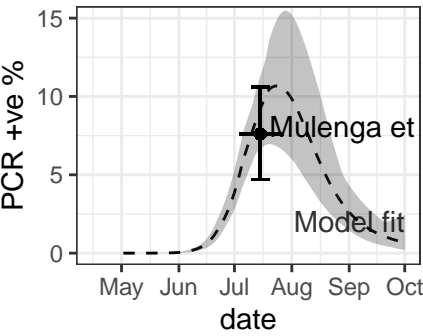
COVID-19 prevalence by age  
(UTH mortuary)



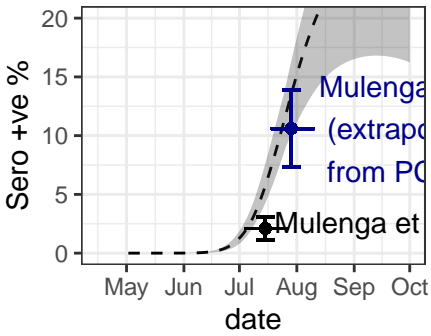
COVID-19 positive tests by age  
(UTH mortuary)



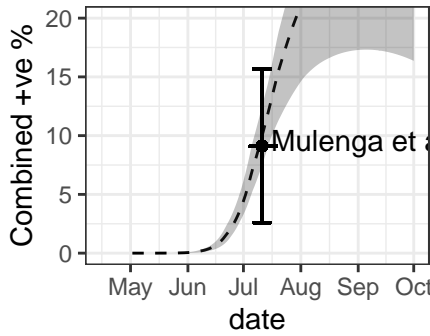
PCR prevalence  
binomial = -10 1



Seroprevalence  
binomial = -47 1

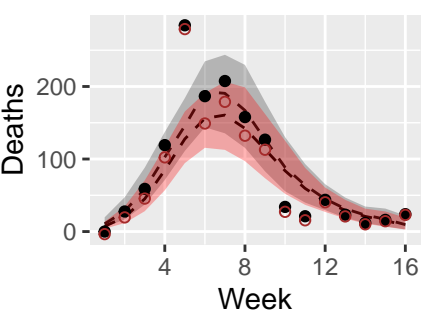


Combined prevalence  
binomial = -5 1

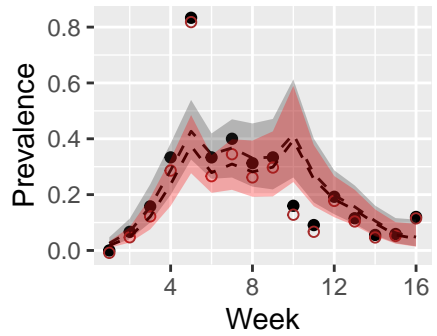


IFR x 1, Slope x 1.4

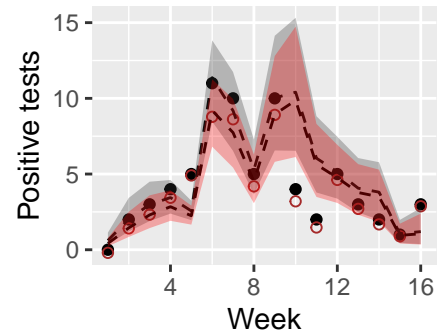
COVID-19 weekly deaths  
(Lusaka)  
nbm II = -33 1



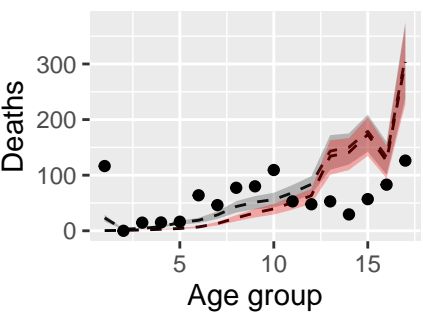
COVID-19 weekly prevalence  
(UTH mortuary)



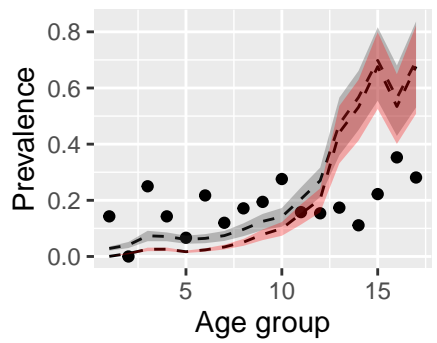
COVID-19 weekly positive tests  
(UTH mortuary)



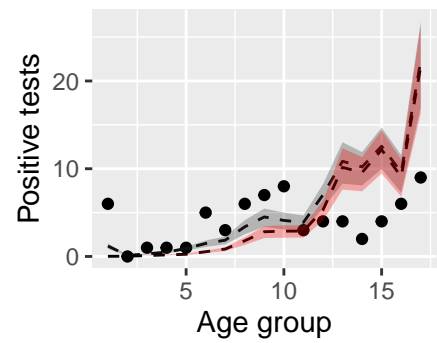
COVID-19 deaths by age  
(Lusaka)  
multinom II = -48.8



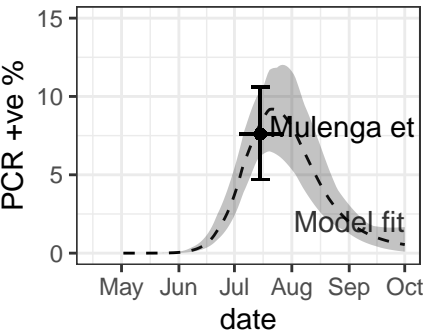
COVID-19 prevalence by age  
(UTH mortuary)



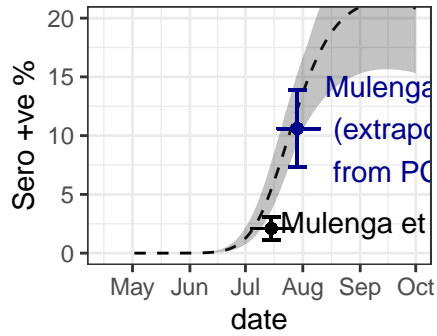
COVID-19 positive tests by age  
(UTH mortuary)



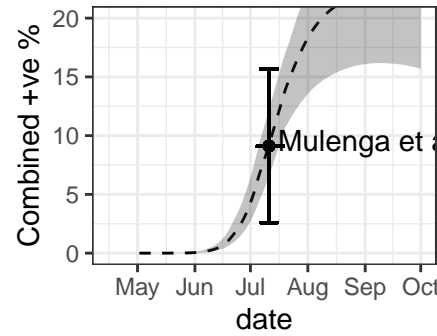
PCR prevalence  
binom II = -6 1



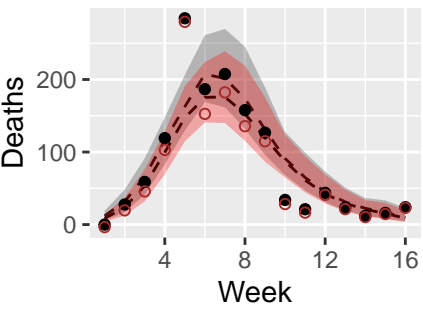
Seroprevalence  
binom II = -42 1



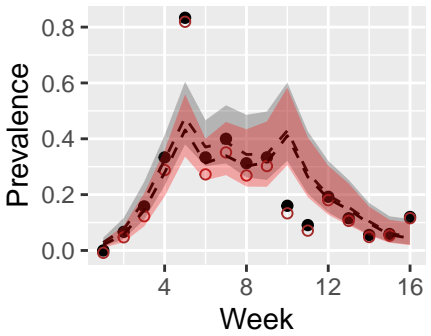
Combined prevalence  
binom II = -5 1



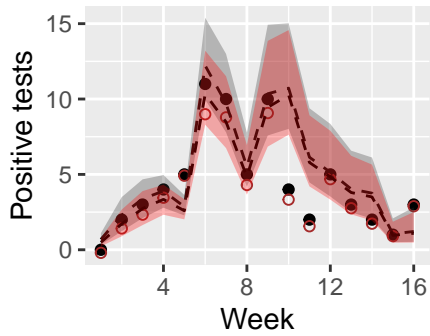
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



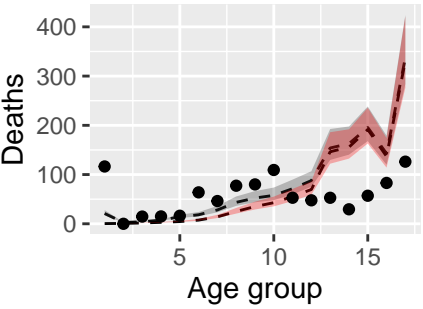
COVID-19 weekly prevalence  
(UTH mortuary)



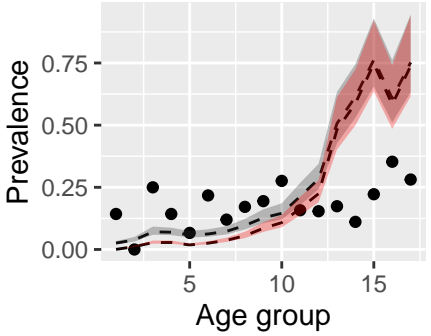
COVID-19 weekly positive tests  
(UTH mortuary)



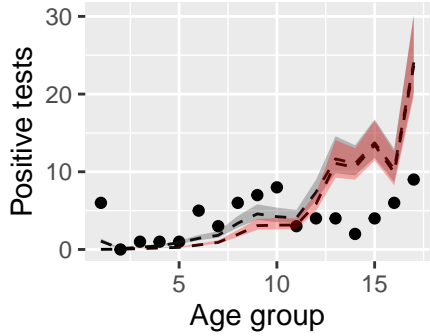
COVID-19 deaths by age  
(Lusaka)  
multinom II = -51.2



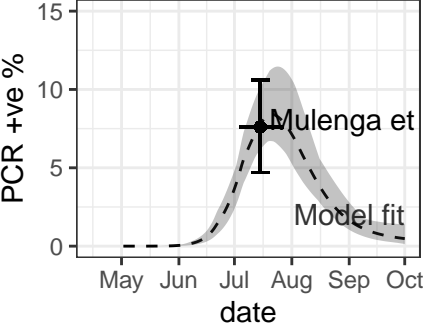
COVID-19 prevalence by age  
(UTH mortuary)



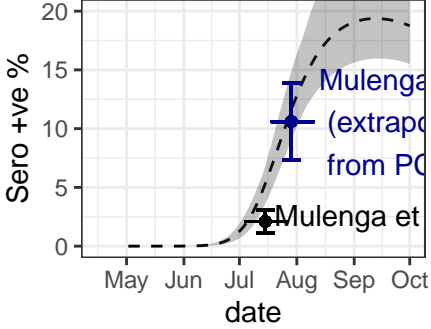
COVID-19 positive tests by age  
(UTH mortuary)



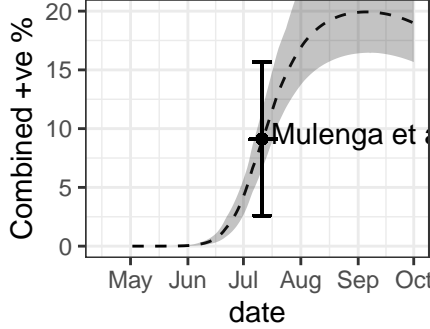
PCR prevalence  
binom II = -5 1



Seroprevalence  
binom II = -40 1

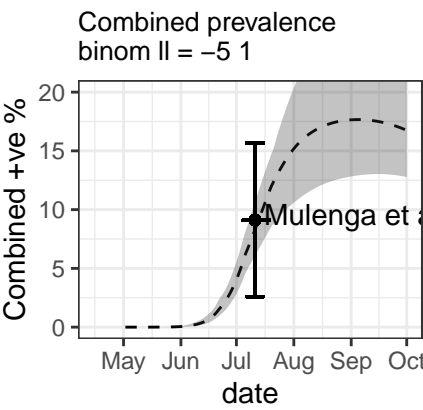
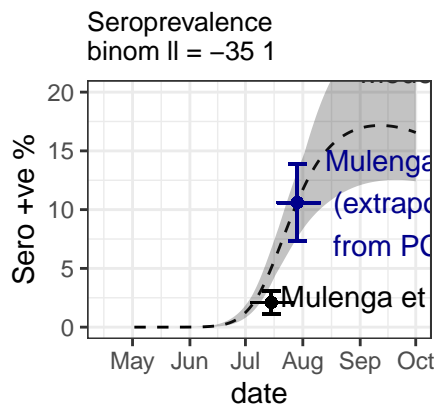
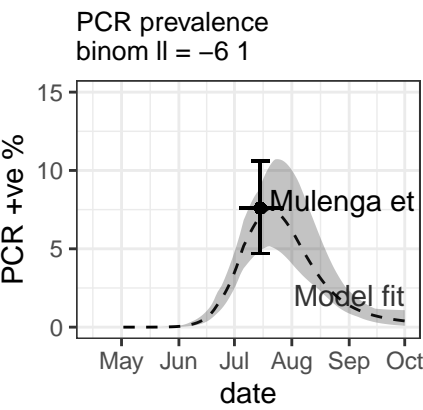
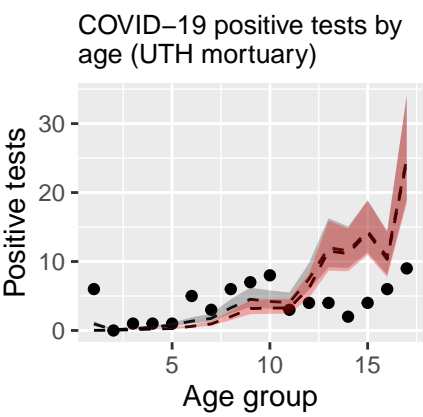
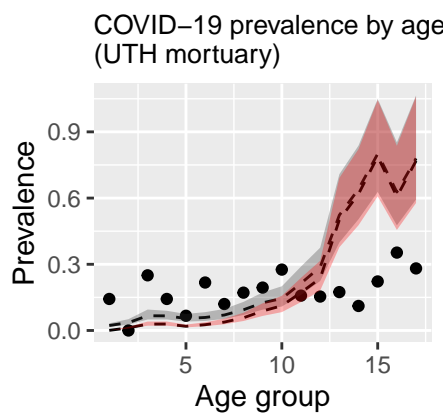
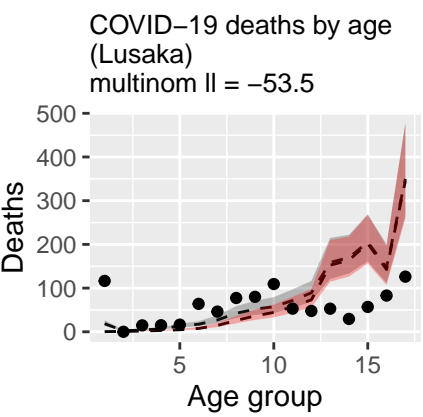
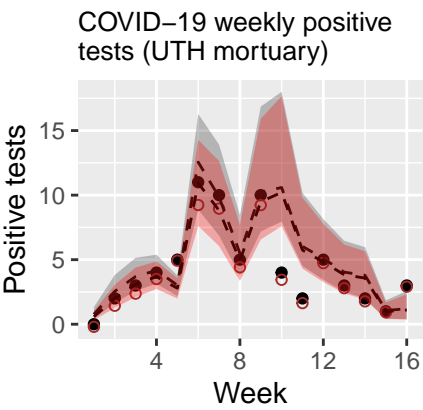
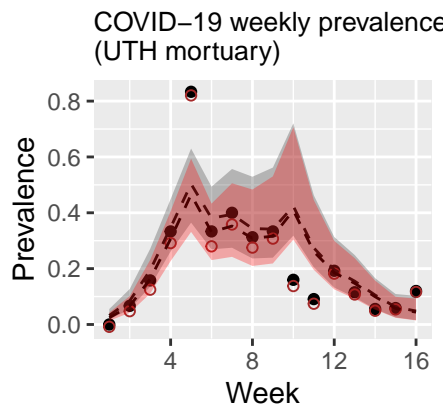
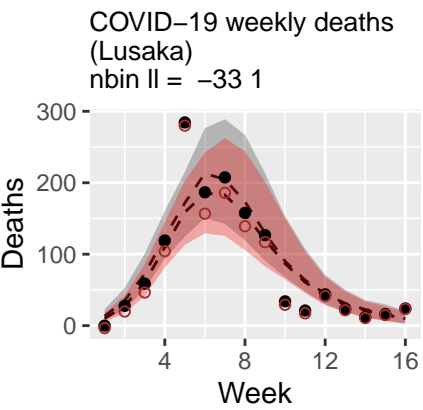


Combined prevalence  
binom II = -5 1



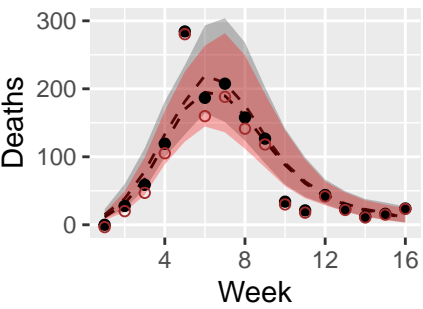


IFR x 1.4, Slope x 1.4

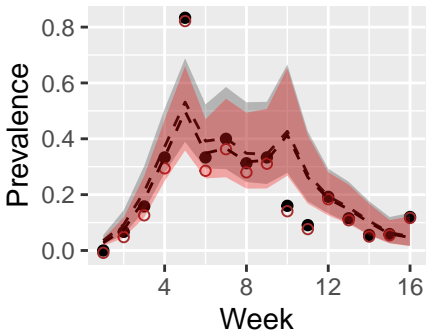


IFR x 1.6, Slope x 1.4

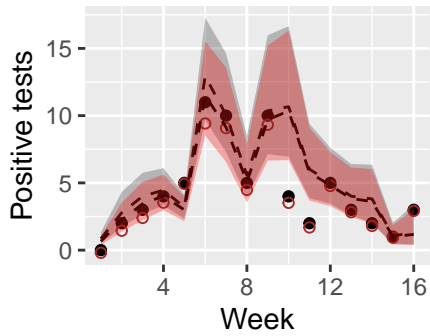
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



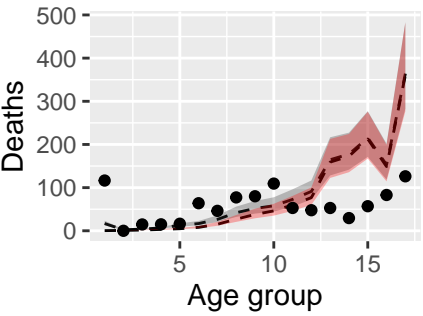
COVID-19 weekly prevalence  
(UTH mortuary)



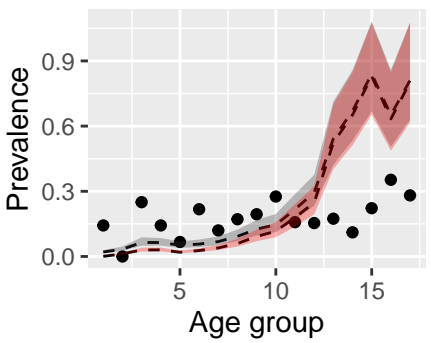
COVID-19 weekly positive tests  
(UTH mortuary)



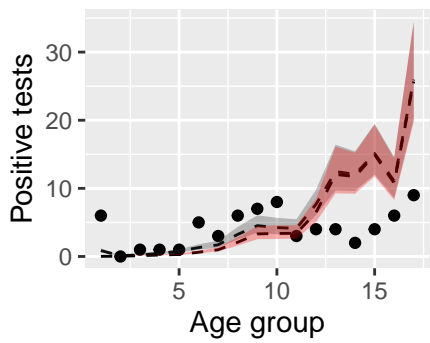
COVID-19 deaths by age  
(Lusaka)  
multinom II = -55.3



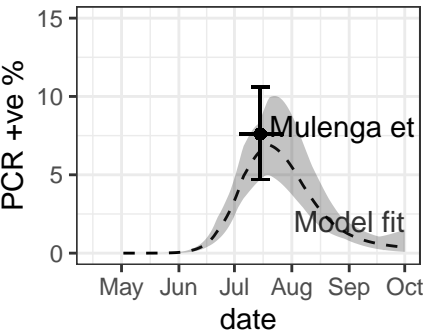
COVID-19 prevalence by age  
(UTH mortuary)



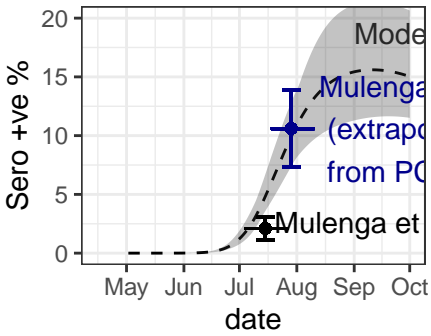
COVID-19 positive tests by age  
(UTH mortuary)



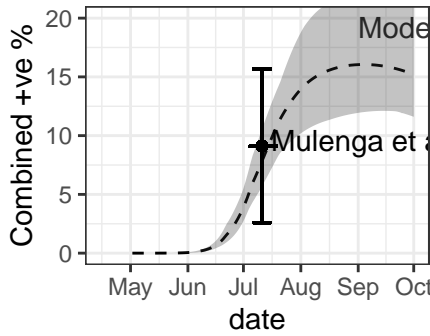
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -32 1

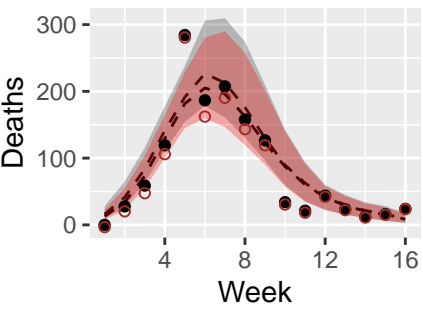


Combined prevalence  
binom II = -5 1

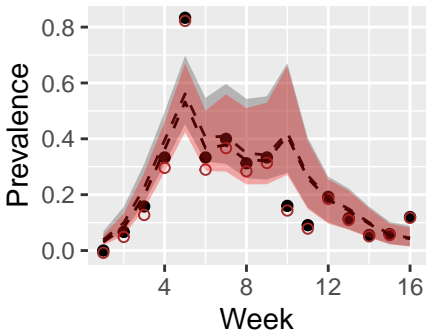


IFR x 1.8, Slope x 1.4

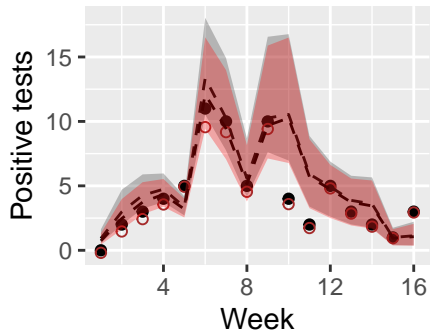
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



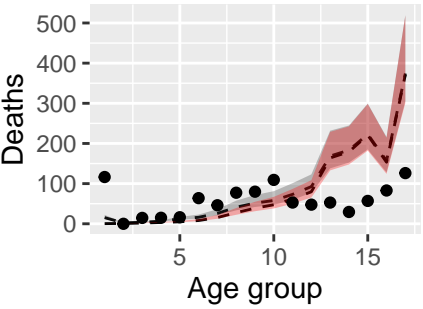
COVID-19 weekly prevalence  
(UTH mortuary)



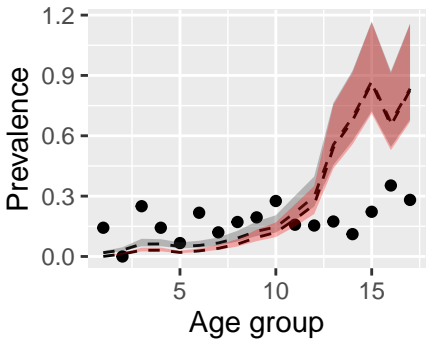
COVID-19 weekly positive tests  
(UTH mortuary)



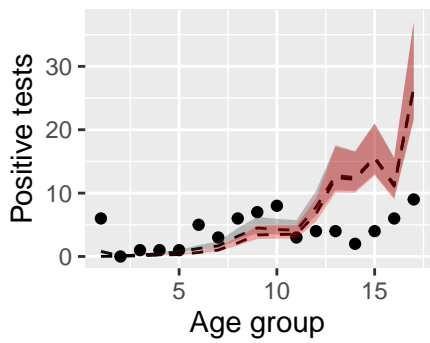
COVID-19 deaths by age  
(Lusaka)  
multinom II = -56.9



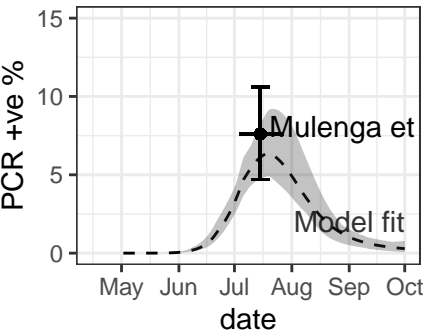
COVID-19 prevalence by age  
(UTH mortuary)



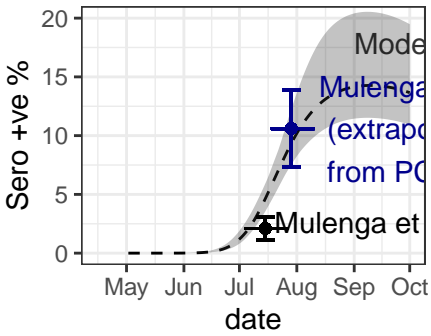
COVID-19 positive tests by age  
(UTH mortuary)



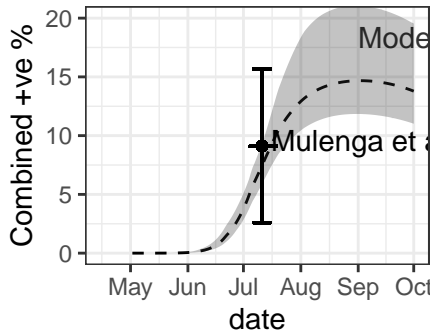
PCR prevalence  
binom II = -11 1



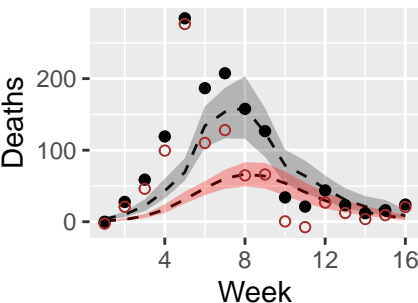
Seroprevalence  
binom II = -29 1



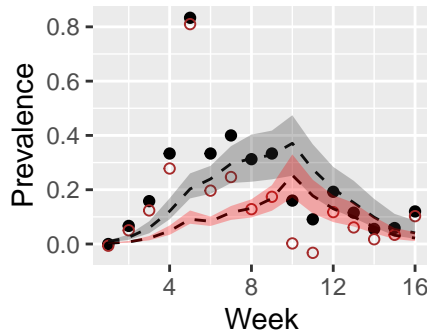
Combined prevalence  
binom II = -5 1



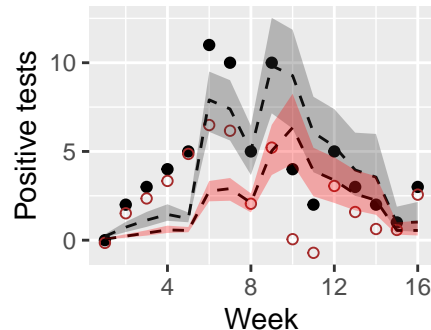
COVID-19 weekly deaths  
(Lusaka)  
nbins = 38 1



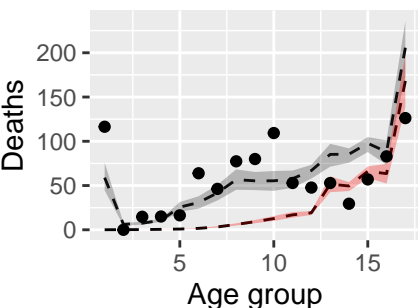
COVID-19 weekly prevalence  
(UTH mortuary)



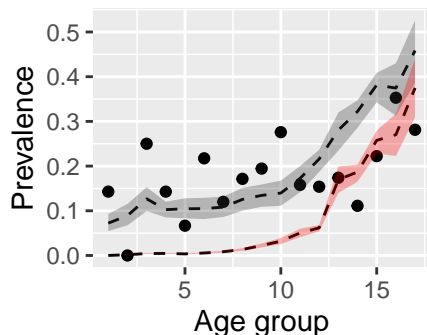
COVID-19 weekly positive tests  
(UTH mortuary)



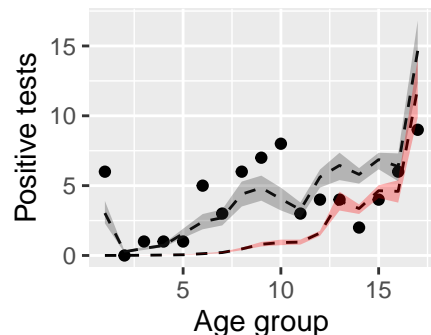
COVID-19 deaths by age  
(Lusaka)  
multinomial = -31.7



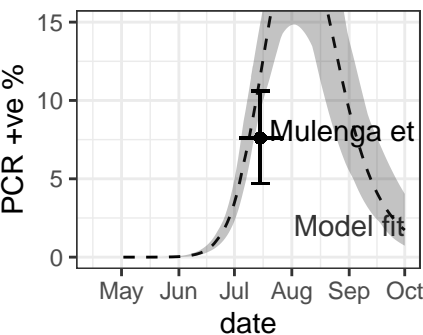
COVID-19 prevalence by age  
(UTH mortuary)



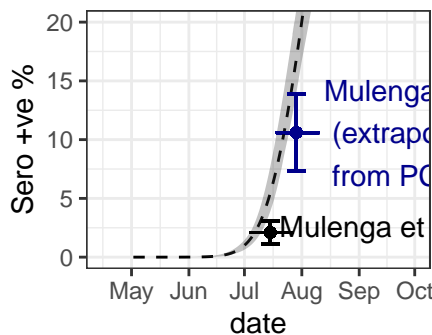
COVID-19 positive tests by age  
(UTH mortuary)



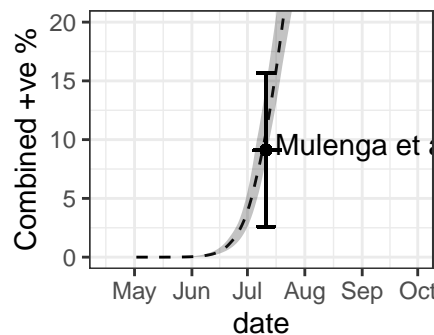
PCR prevalence  
binomial = -31 1



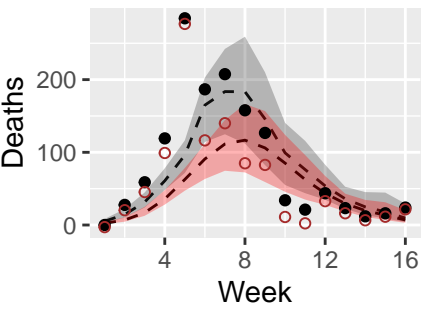
Seroprevalence  
binomial = -43 1



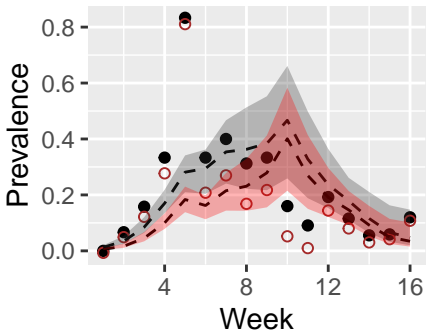
Combined prevalence  
binomial = -8 1



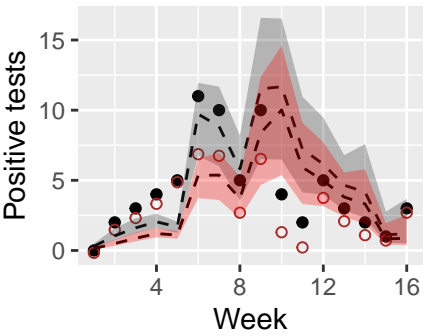
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -36 1



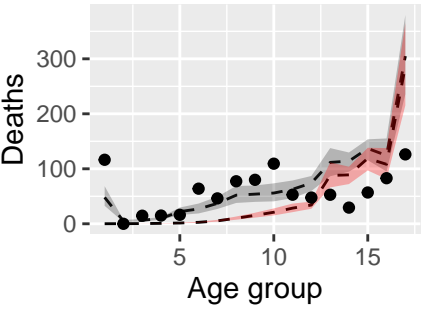
COVID-19 weekly prevalence  
(UTH mortuary)



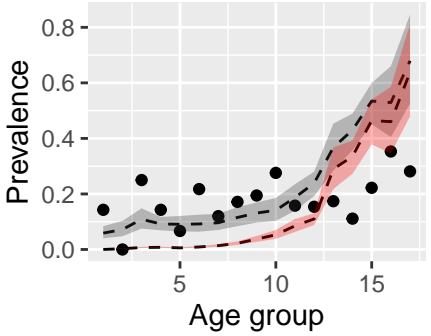
COVID-19 weekly positive tests  
(UTH mortuary)



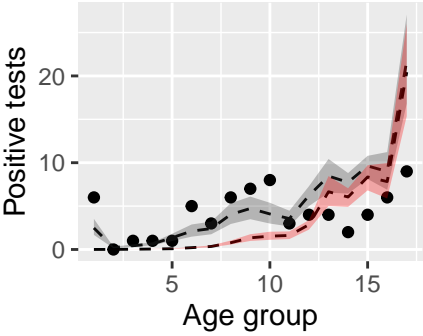
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39



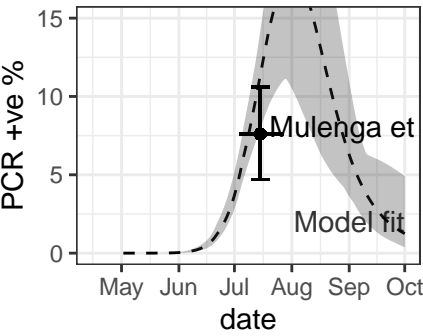
COVID-19 prevalence by age  
(UTH mortuary)



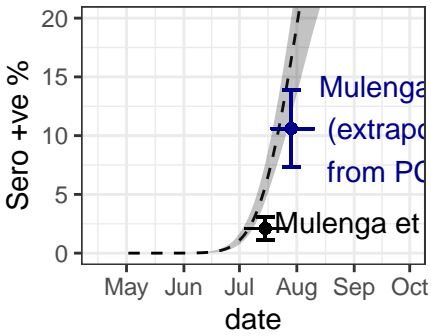
COVID-19 positive tests by age  
(UTH mortuary)



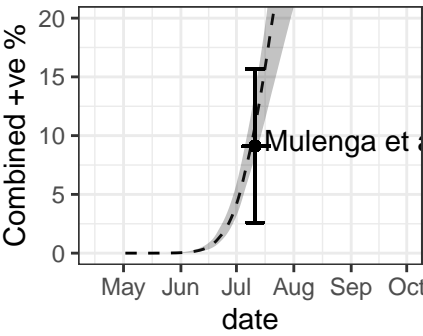
PCR prevalence  
binom II = -29 1



Seroprevalence  
binom II = -47 1

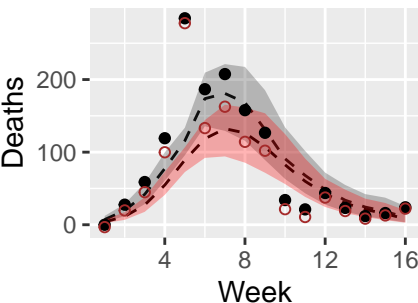


Combined prevalence  
binom II = -8 1

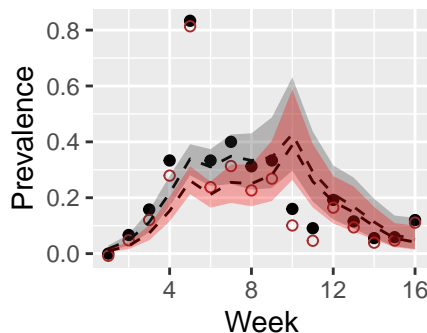


IFR x 0.6, Slope x 1.6

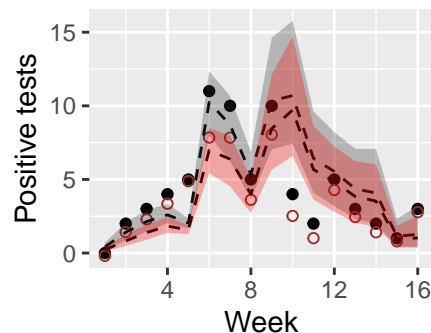
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



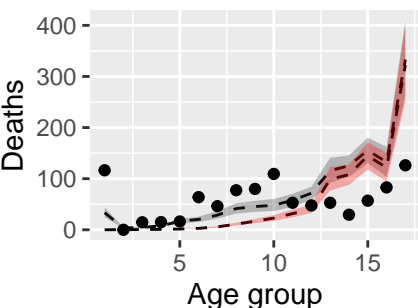
COVID-19 weekly prevalence  
(UTH mortuary)



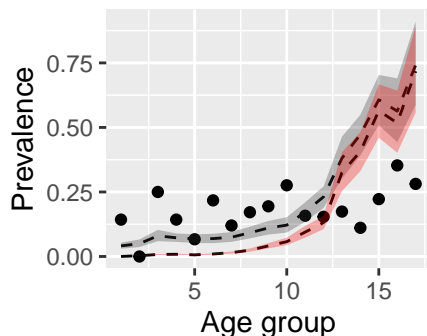
COVID-19 weekly positive tests  
(UTH mortuary)



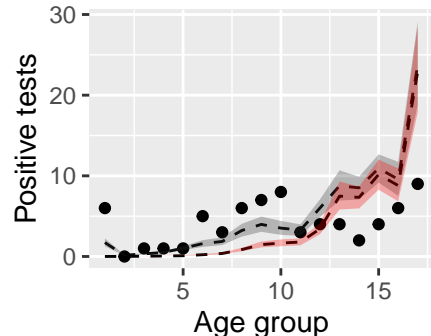
COVID-19 deaths by age  
(Lusaka)  
multinom II = -46.1



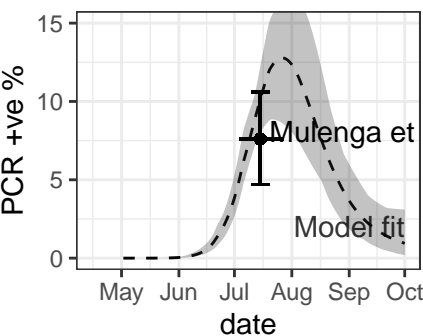
COVID-19 prevalence by age  
(UTH mortuary)



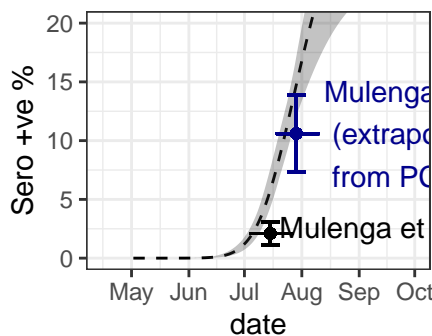
COVID-19 positive tests by age  
(UTH mortuary)



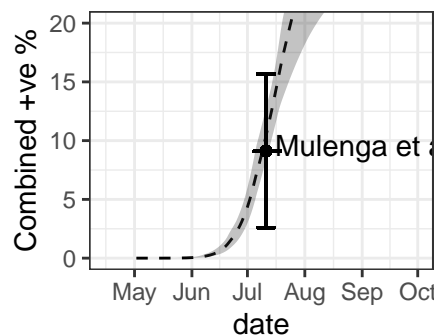
PCR prevalence  
binom II = -17 1



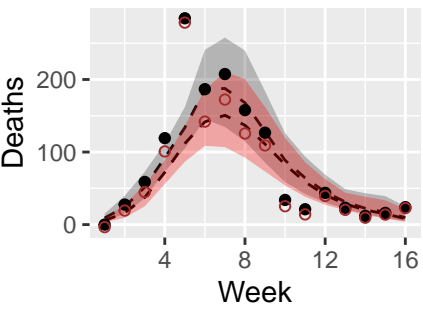
Seroprevalence  
binom II = -48 1



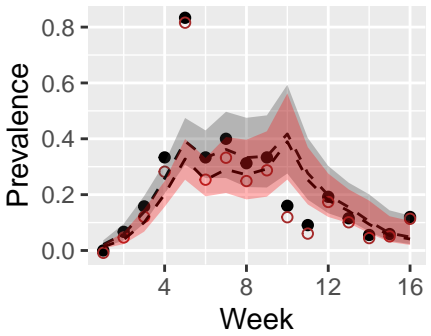
Combined prevalence  
binom II = -6 1



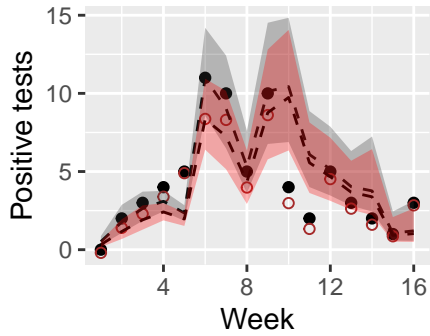
COVID-19 weekly deaths  
(Lusaka)  
nbino II = -33 1



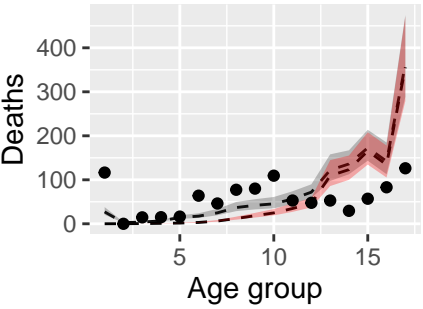
COVID-19 weekly prevalence  
(UTH mortuary)



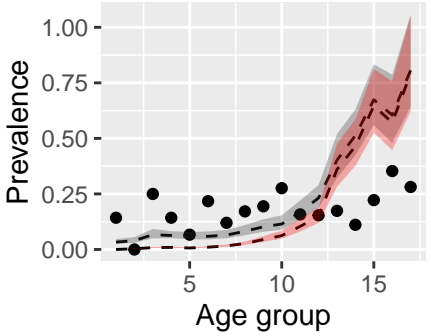
COVID-19 weekly positive tests  
(UTH mortuary)



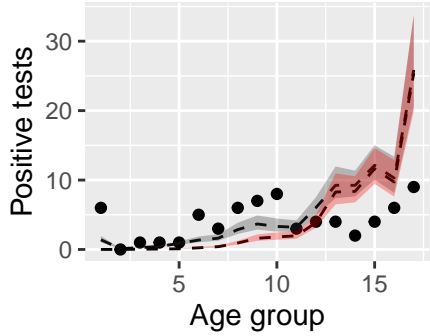
COVID-19 deaths by age  
(Lusaka)  
multinom II = -51.4



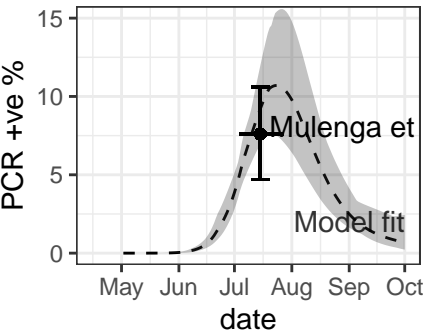
COVID-19 prevalence by age  
(UTH mortuary)



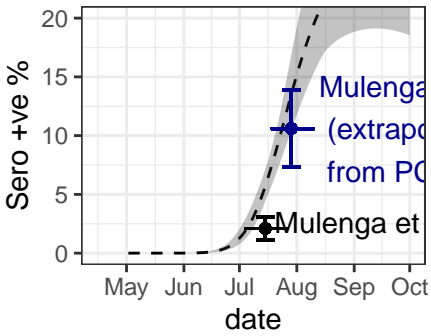
COVID-19 positive tests by age  
(UTH mortuary)



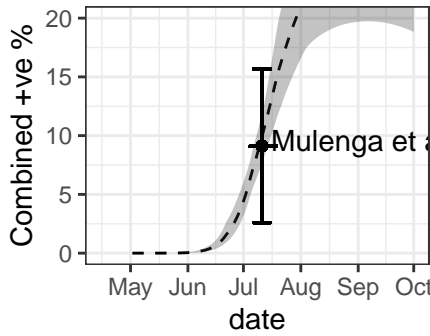
PCR prevalence  
binom II = -10 1



Seroprevalence  
binom II = -47 1

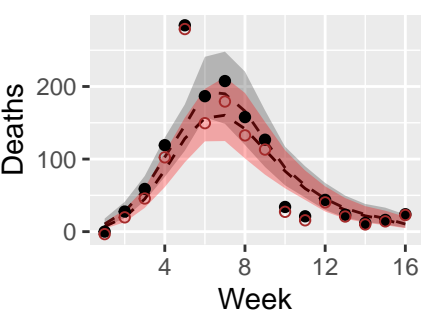


Combined prevalence  
binom II = -5 1

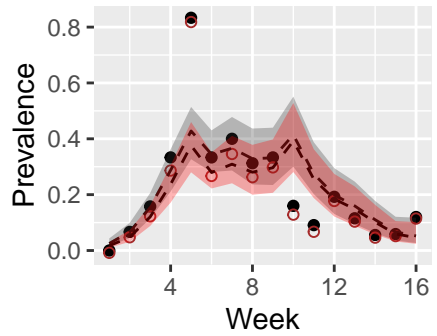


IFR x 1, Slope x 1.6

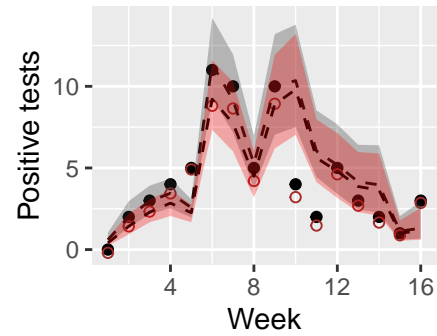
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



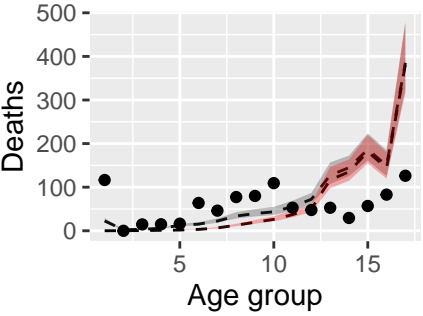
COVID-19 weekly prevalence  
(UTH mortuary)



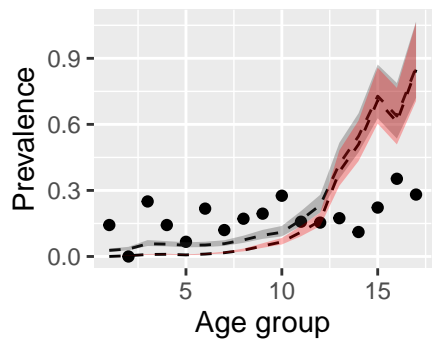
COVID-19 weekly positive tests  
(UTH mortuary)



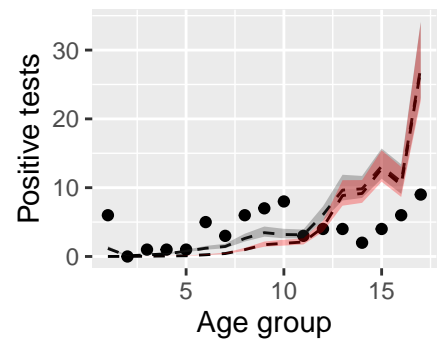
COVID-19 deaths by age  
(Lusaka)  
multinom II = -55.7



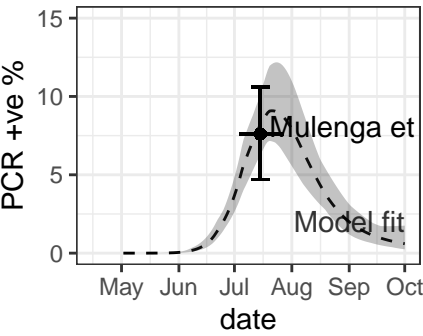
COVID-19 prevalence by age  
(UTH mortuary)



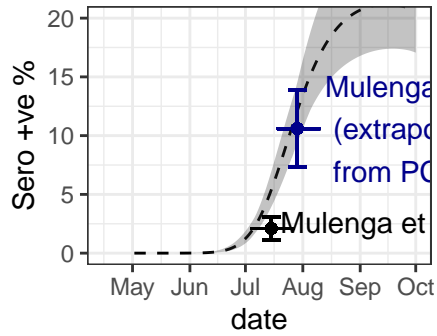
COVID-19 positive tests by age  
(UTH mortuary)



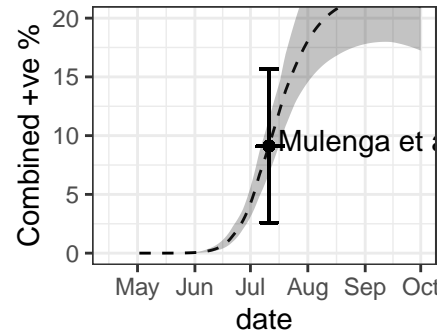
PCR prevalence  
binom II = -6 1



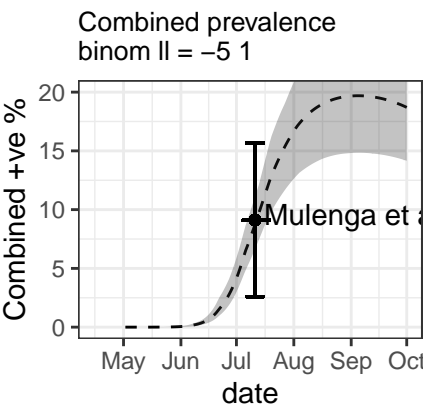
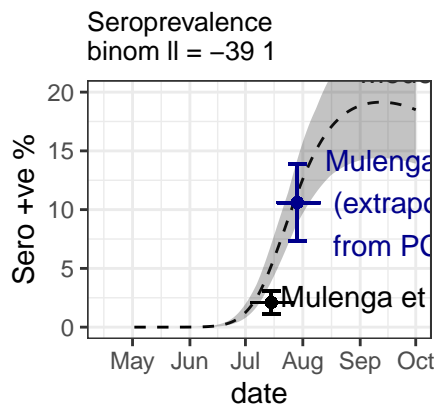
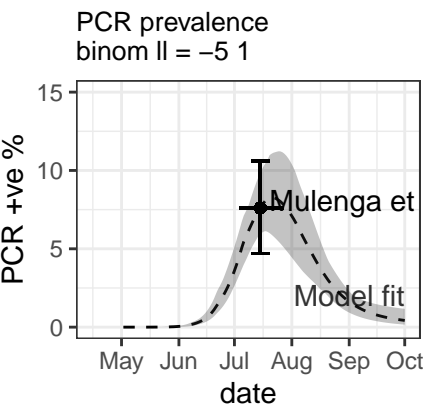
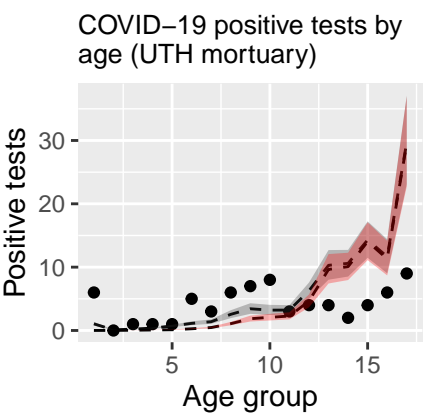
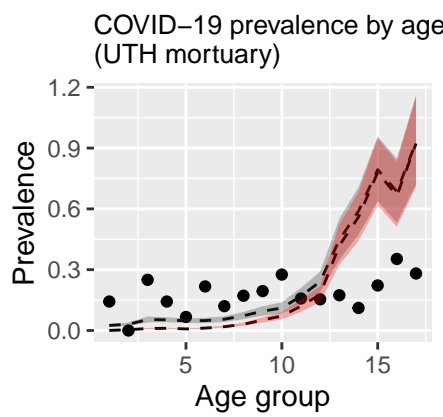
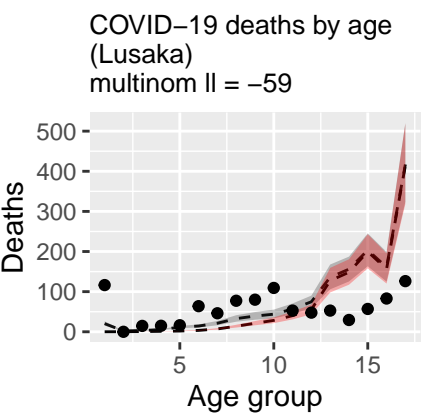
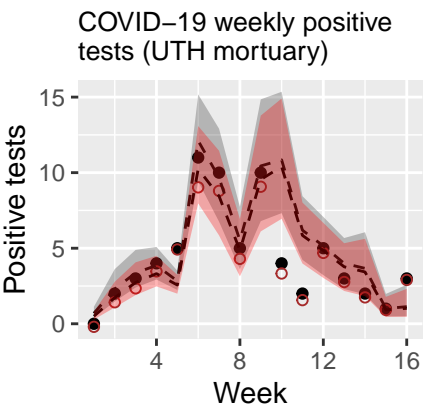
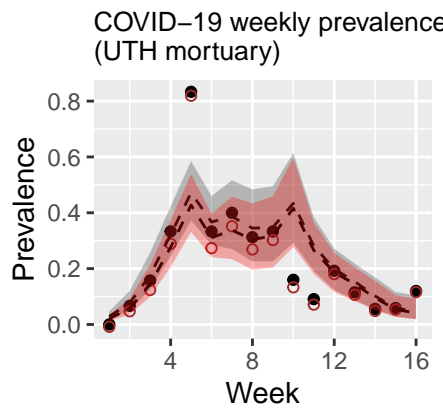
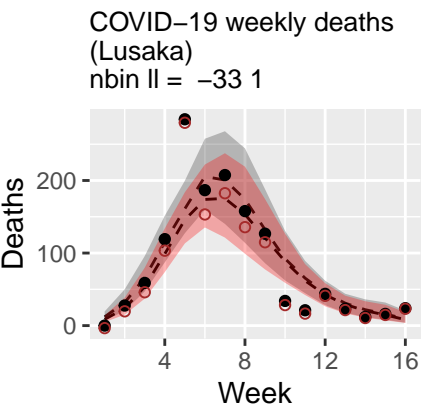
Seroprevalence  
binom II = -41 1



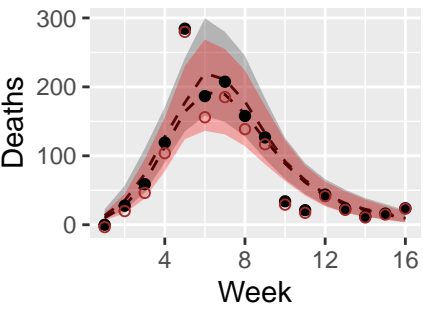
Combined prevalence  
binom II = -5 1



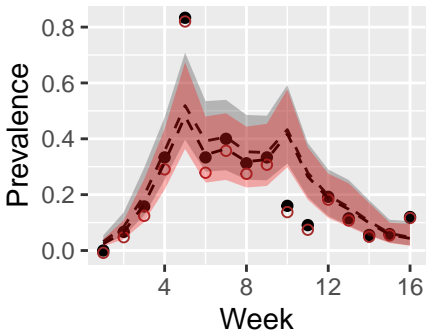




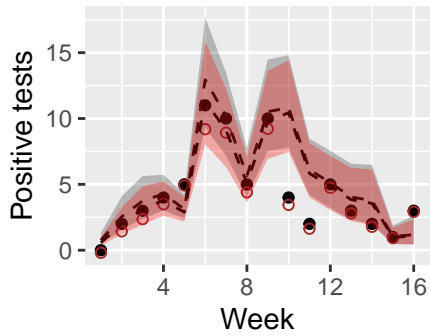
COVID-19 weekly deaths  
(Lusaka)  
nbins = 33 1



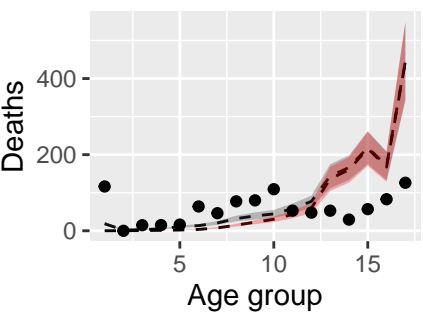
COVID-19 weekly prevalence  
(UTH mortuary)



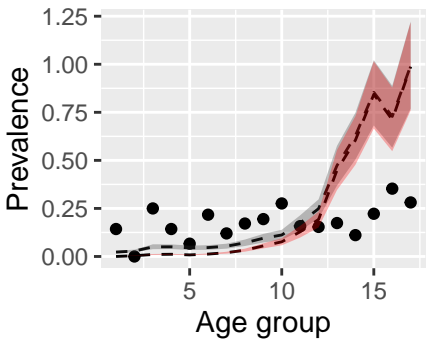
COVID-19 weekly positive tests  
(UTH mortuary)



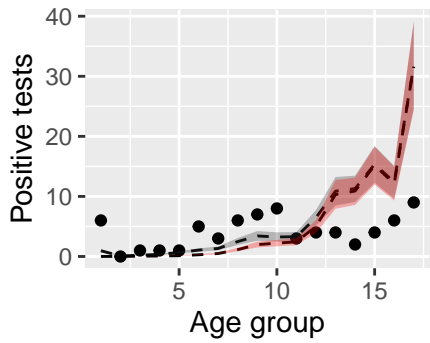
COVID-19 deaths by age  
(Lusaka)  
multinom = -61.9



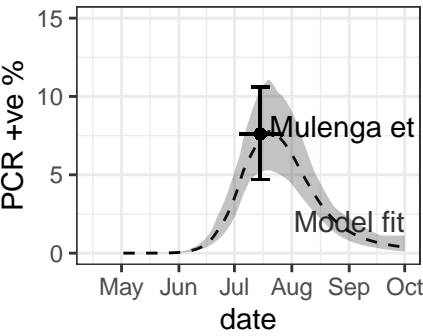
COVID-19 prevalence by age  
(UTH mortuary)



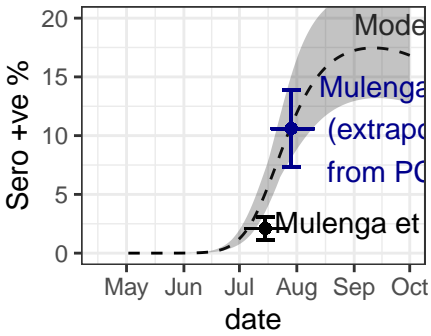
COVID-19 positive tests by age  
(UTH mortuary)



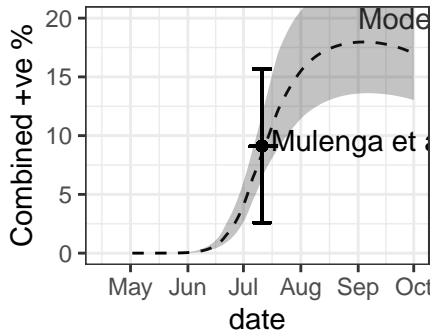
PCR prevalence  
binom = -6 1



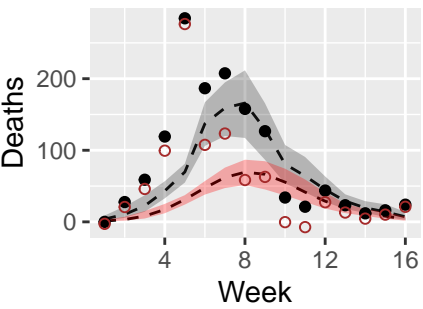
Seroprevalence  
binom = -36 1



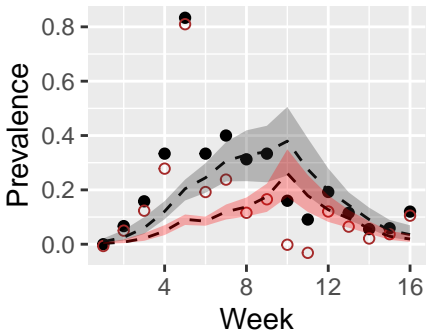
Combined prevalence  
binom = -4 1



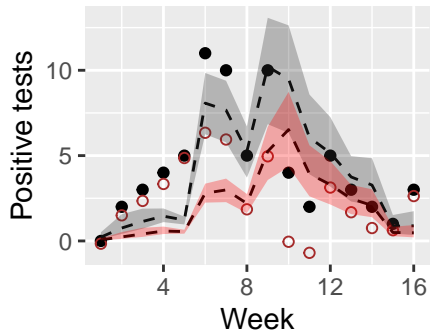
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -38 1



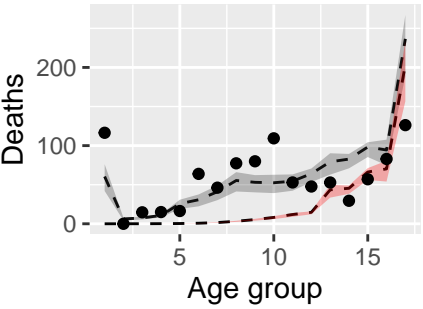
COVID-19 weekly prevalence  
(UTH mortuary)



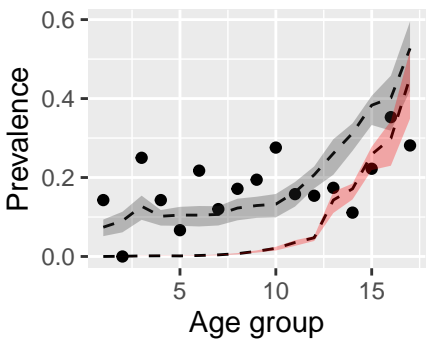
COVID-19 weekly positive tests  
(UTH mortuary)



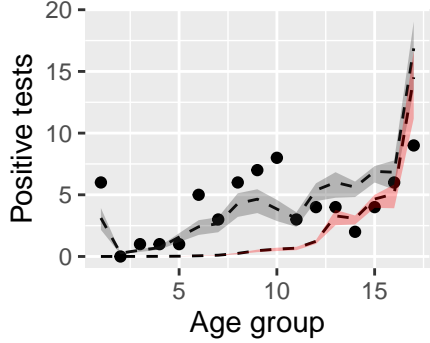
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.6



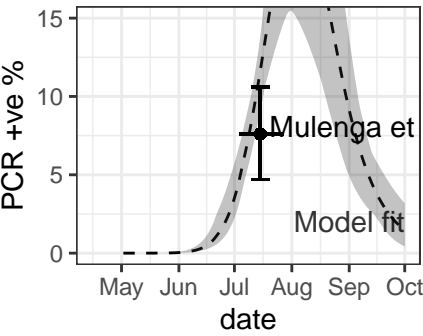
COVID-19 prevalence by age  
(UTH mortuary)



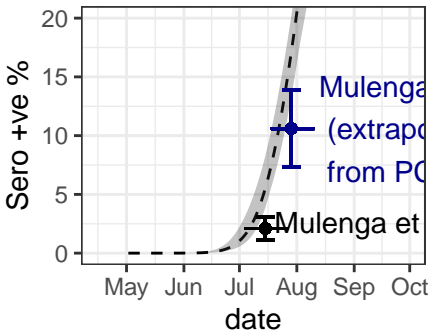
COVID-19 positive tests by age  
(UTH mortuary)



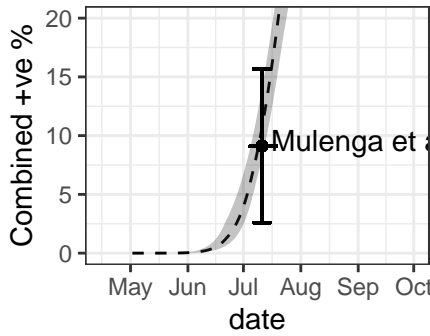
PCR prevalence  
binom II = -32 1



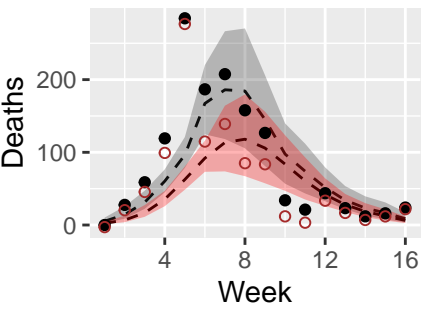
Seroprevalence  
binom II = -44 1



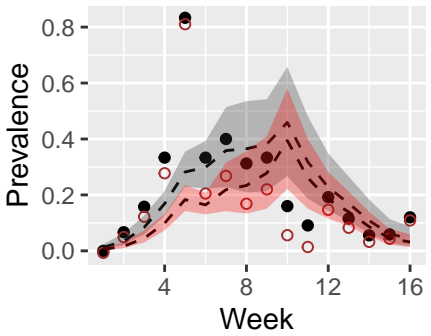
Combined prevalence  
binom II = -8 1



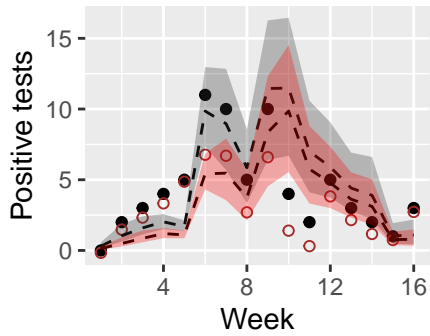
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -36 1



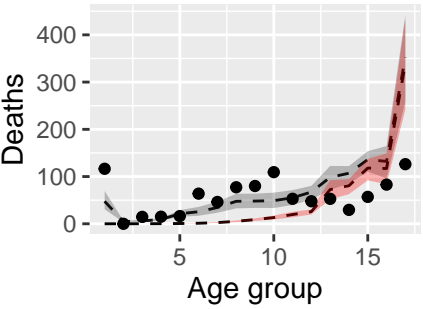
COVID-19 weekly prevalence  
(UTH mortuary)



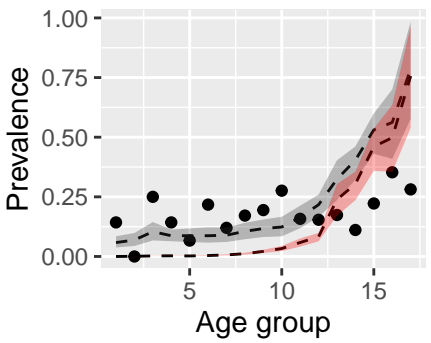
COVID-19 weekly positive tests  
(UTH mortuary)



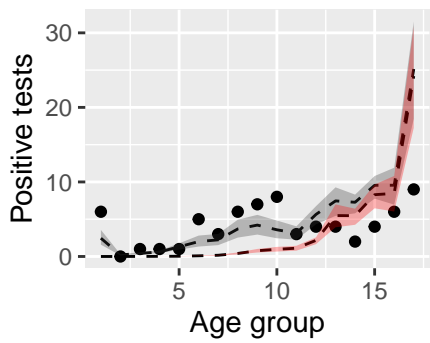
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.6



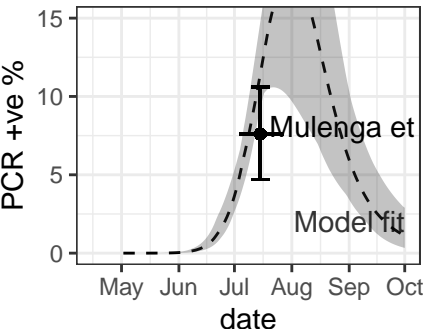
COVID-19 prevalence by age  
(UTH mortuary)



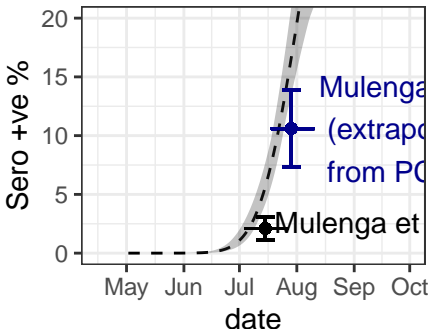
COVID-19 positive tests by age  
(UTH mortuary)



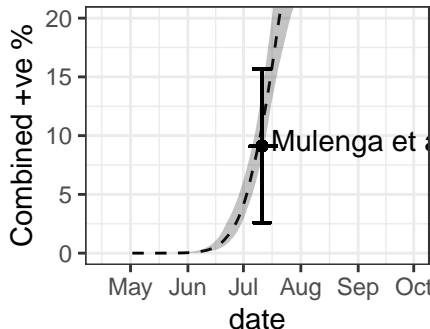
PCR prevalence  
binom II = -30 1



Seroprevalence  
binom II = -46 1

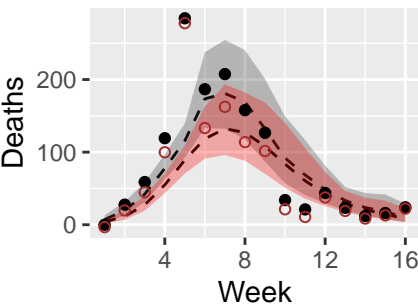


Combined prevalence  
binom II = -8 1

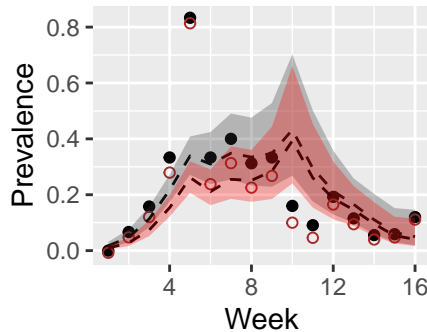


IFR x 0.6, Slope x 1.8

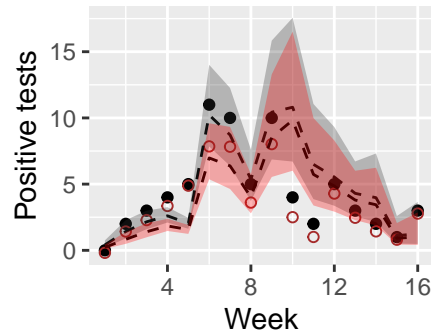
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



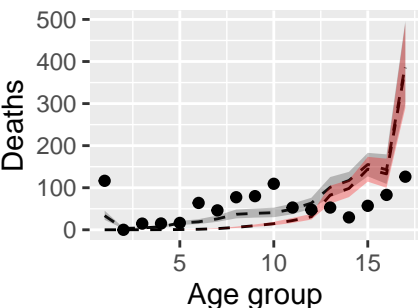
COVID-19 weekly prevalence  
(UTH mortuary)



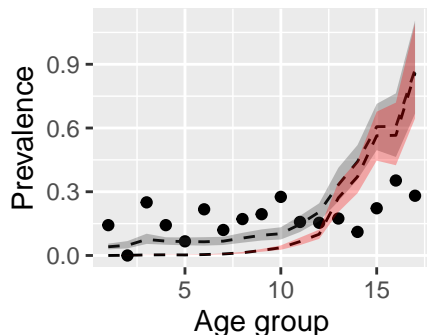
COVID-19 weekly positive tests  
(UTH mortuary)



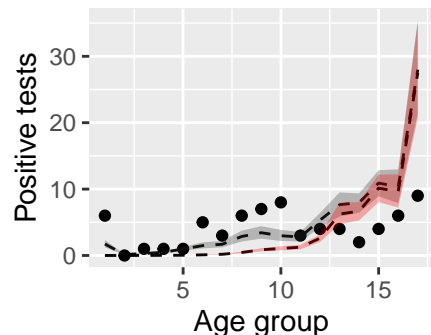
COVID-19 deaths by age  
(Lusaka)  
multinom II = -50



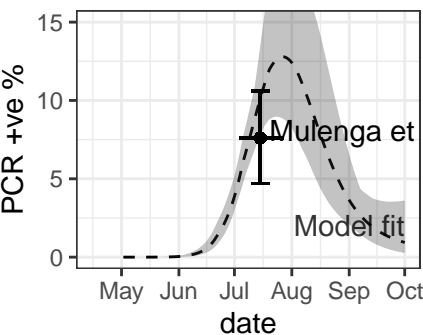
COVID-19 prevalence by age  
(UTH mortuary)



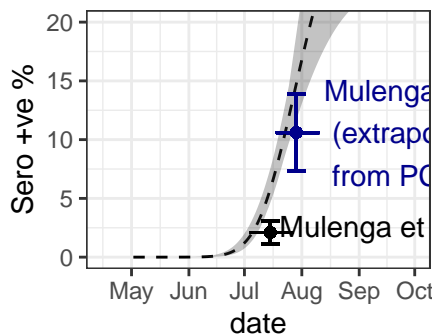
COVID-19 positive tests by age  
(UTH mortuary)



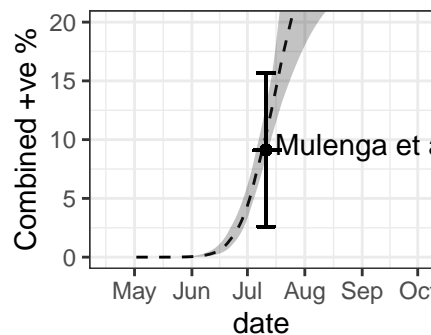
PCR prevalence  
binom II = -17 1



Seroprevalence  
binom II = -49 1

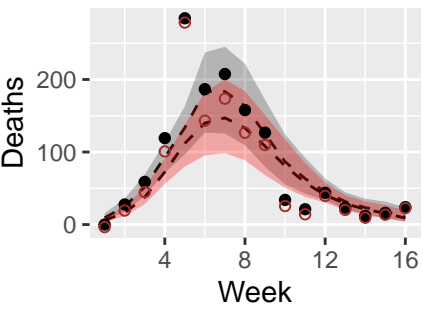


Combined prevalence  
binom II = -6 1

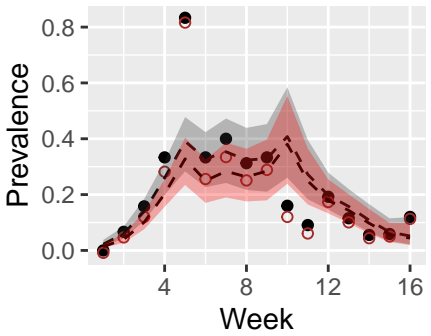


IFR x 0.8, Slope x 1.8

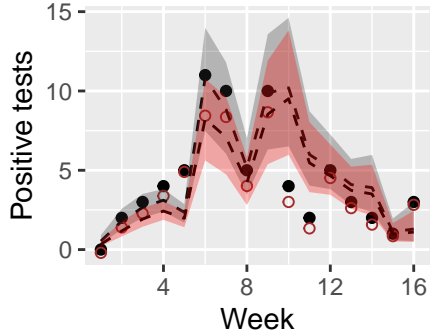
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



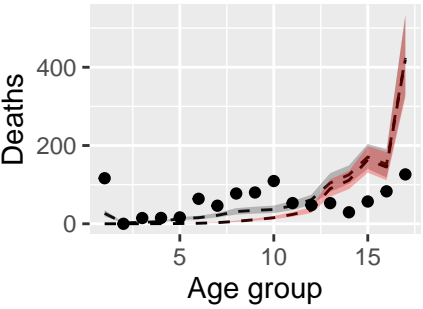
COVID-19 weekly prevalence  
(UTH mortuary)



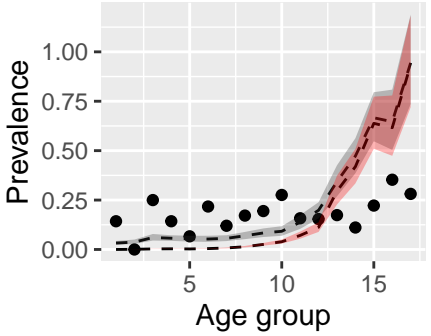
COVID-19 weekly positive tests  
(UTH mortuary)



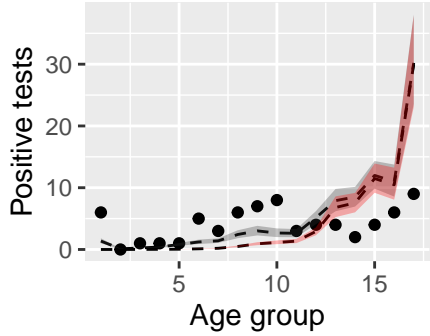
COVID-19 deaths by age  
(Lusaka)  
multinom II = -56.5



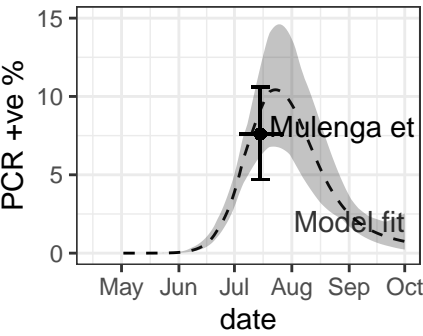
COVID-19 prevalence by age  
(UTH mortuary)



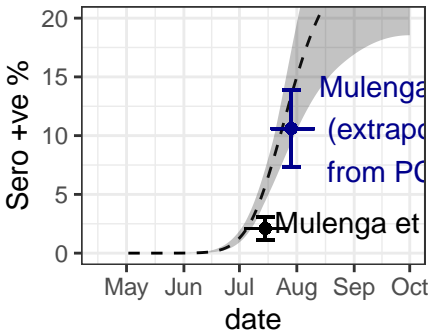
COVID-19 positive tests by age  
(UTH mortuary)



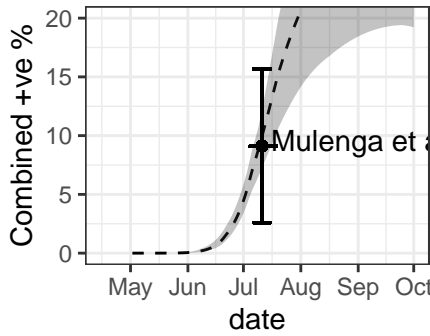
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -48 1

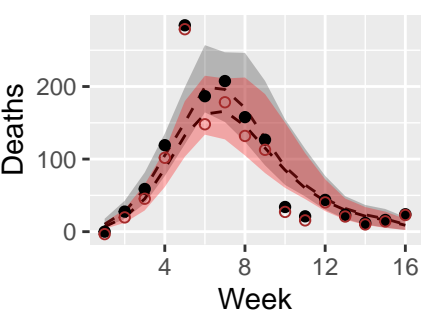


Combined prevalence  
binom II = -5 1

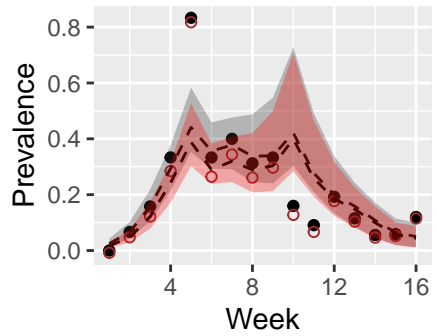


IFR x 1, Slope x 1.8

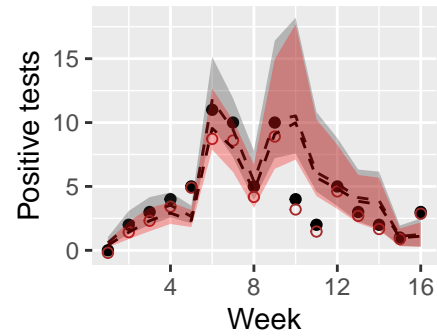
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



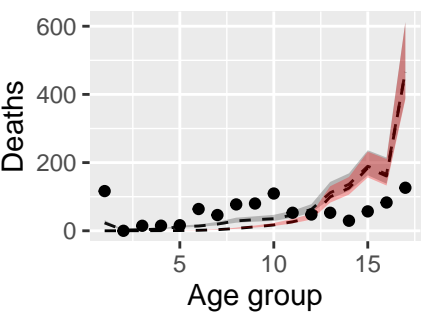
COVID-19 weekly prevalence  
(UTH mortuary)



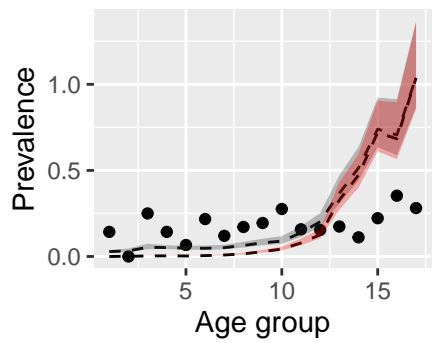
COVID-19 weekly positive tests  
(UTH mortuary)



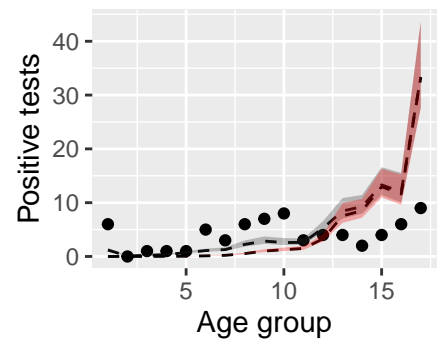
COVID-19 deaths by age  
(Lusaka)  
multinom II = -61.5



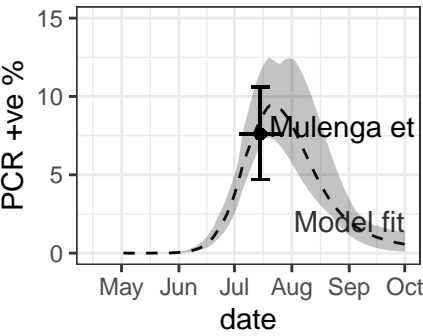
COVID-19 prevalence by age  
(UTH mortuary)



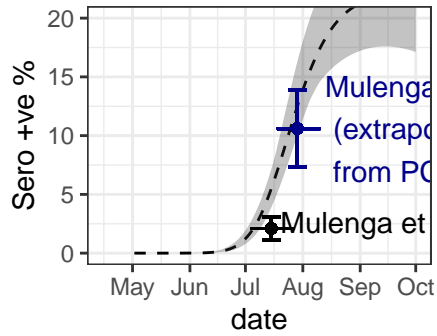
COVID-19 positive tests by age  
(UTH mortuary)



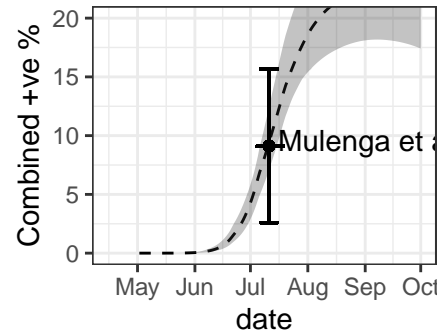
PCR prevalence  
binom II = -7 1



Seroprevalence  
binom II = -43 1

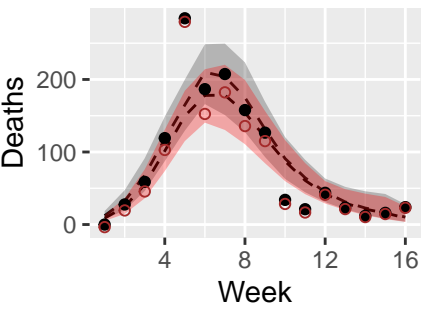


Combined prevalence  
binom II = -5 1

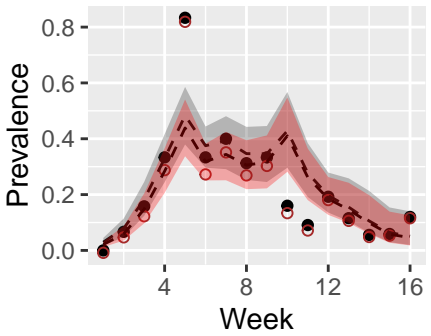


IFR x 1.2, Slope x 1.8

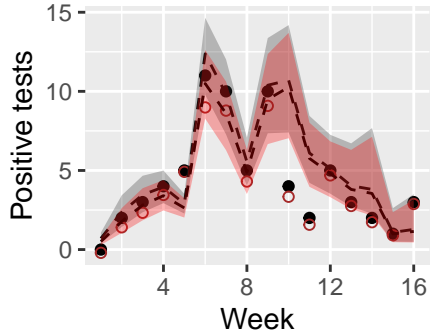
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



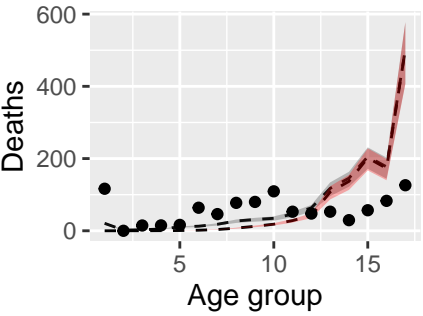
COVID-19 weekly prevalence  
(UTH mortuary)



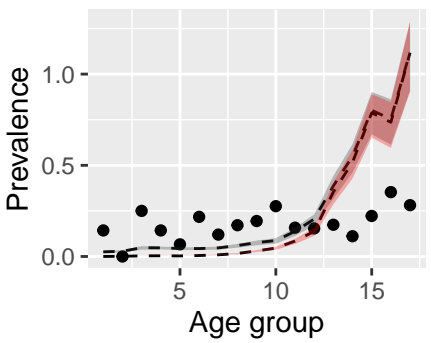
COVID-19 weekly positive tests  
(UTH mortuary)



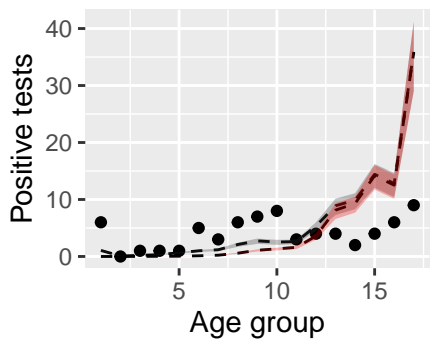
COVID-19 deaths by age  
(Lusaka)  
multinom II = -65.7



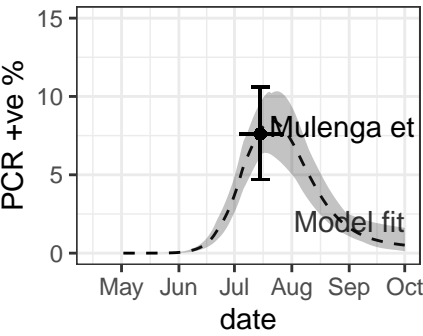
COVID-19 prevalence by age  
(UTH mortuary)



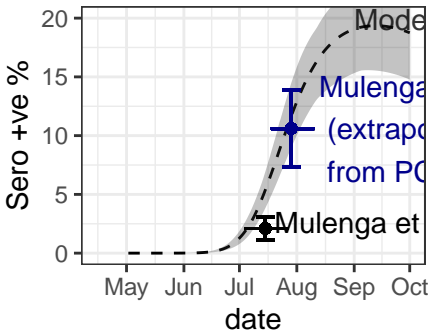
COVID-19 positive tests by age  
(UTH mortuary)



PCR prevalence  
binom II = -5 1



Seroprevalence  
binom II = -41 1



Combined prevalence  
binom II = -5 1

