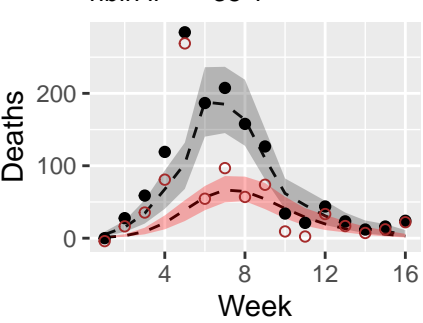
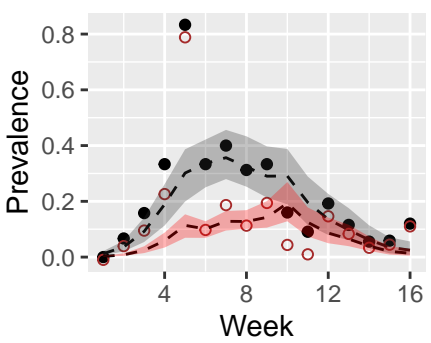


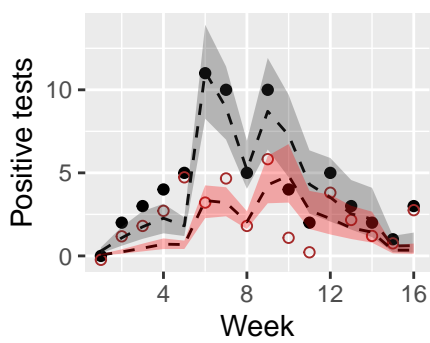
COVID-19 weekly deaths  
(Lusaka)  
nbins = 35



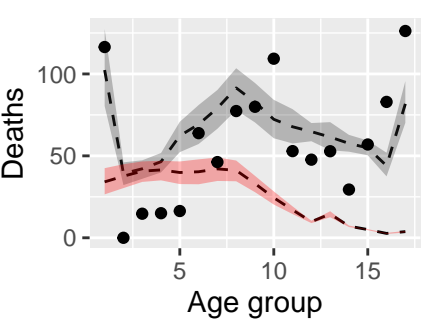
COVID-19 weekly prevalence  
(UTH mortuary)



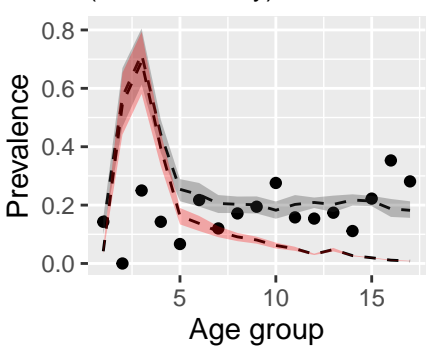
COVID-19 weekly positive tests  
(UTH mortuary)



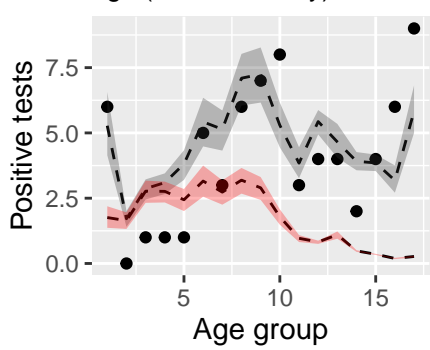
COVID-19 deaths by age  
(Lusaka)  
multinom = 30.8



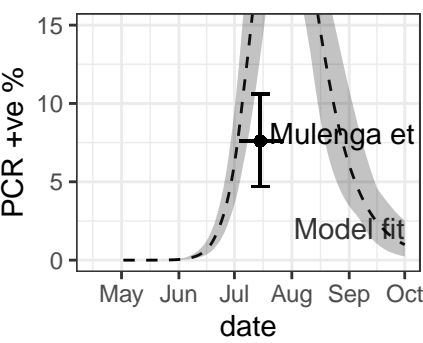
COVID-19 prevalence by age  
(UTH mortuary)



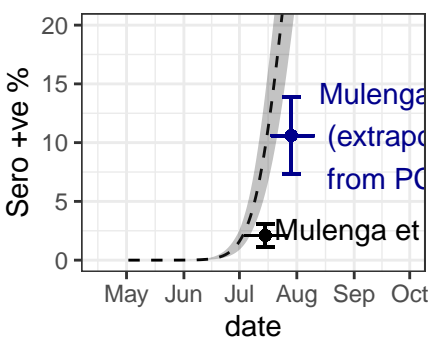
COVID-19 positive tests by age  
(UTH mortuary)



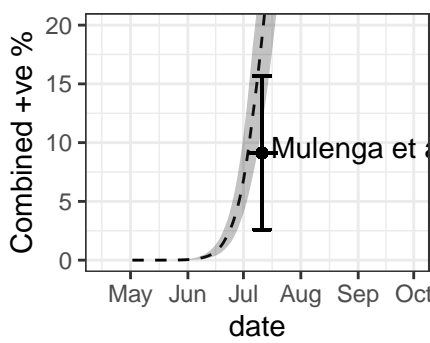
PCR prevalence  
binom = 192

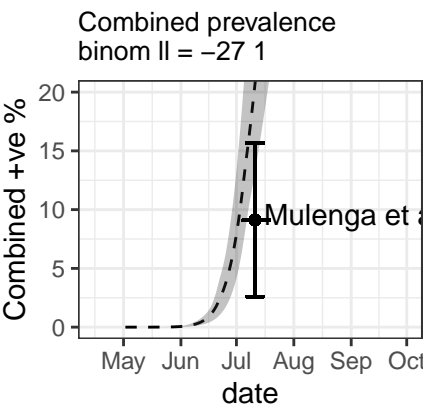
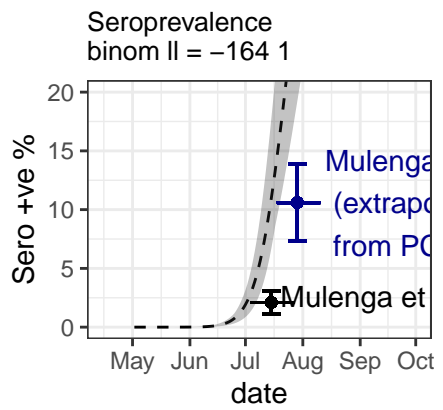
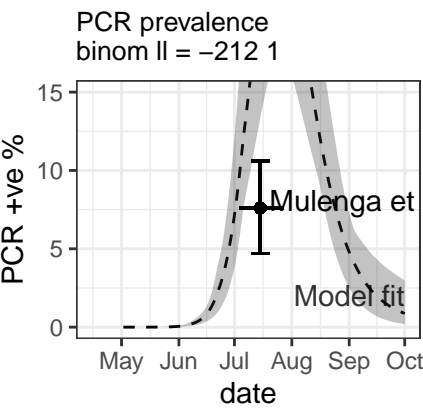
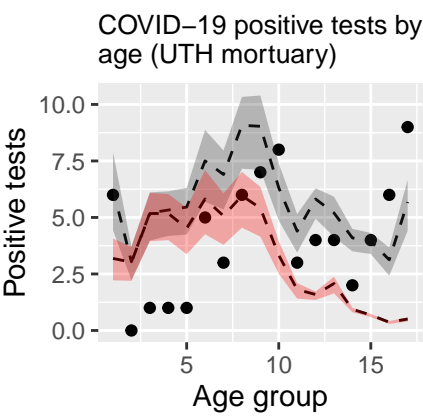
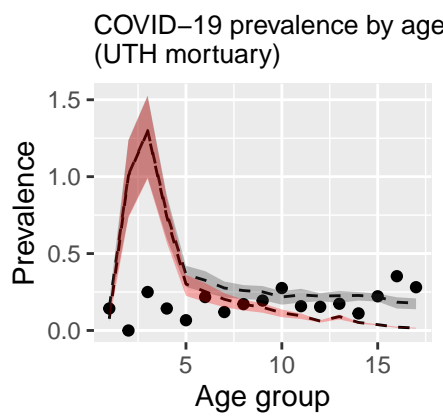
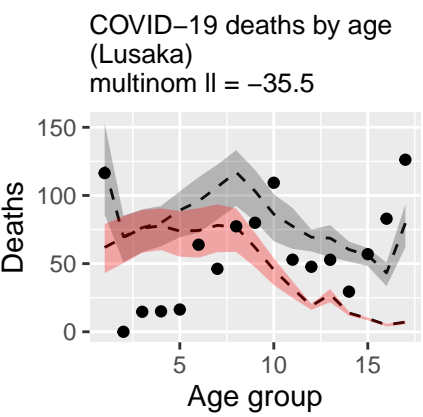
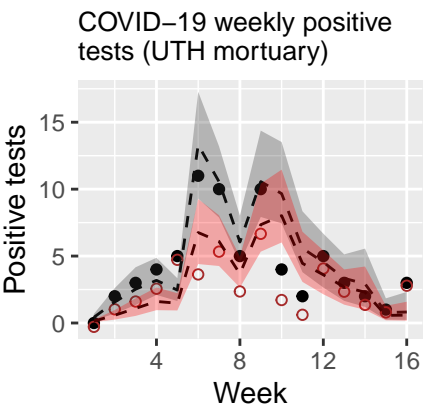
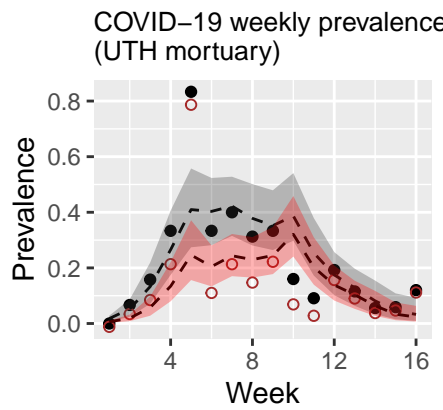
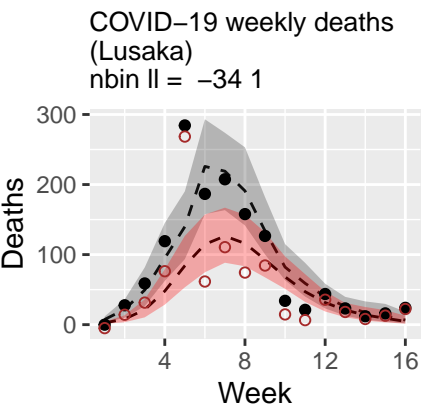


Seroprevalence  
binom = 132

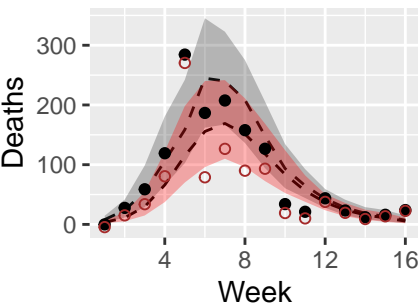


Combined prevalence  
binom = 24

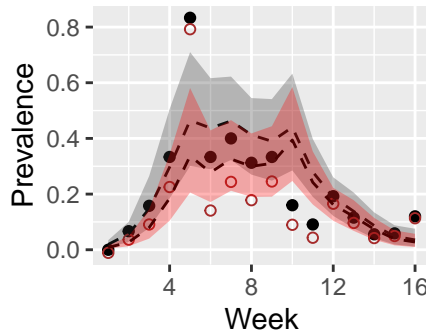




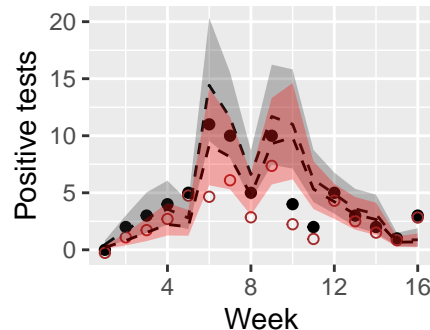
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



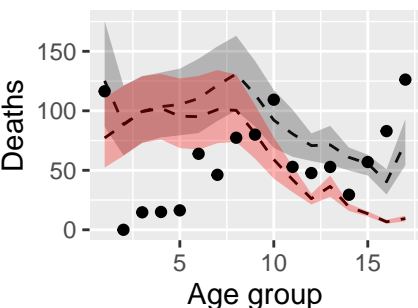
COVID-19 weekly prevalence  
(UTH mortuary)



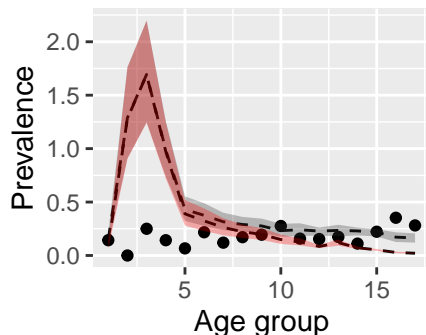
COVID-19 weekly positive tests  
(UTH mortuary)



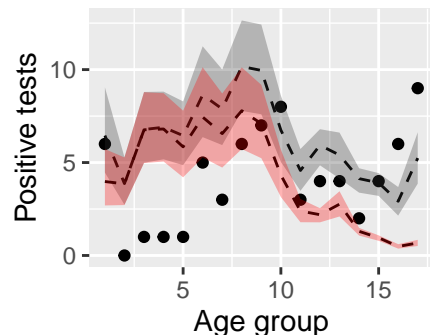
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.1



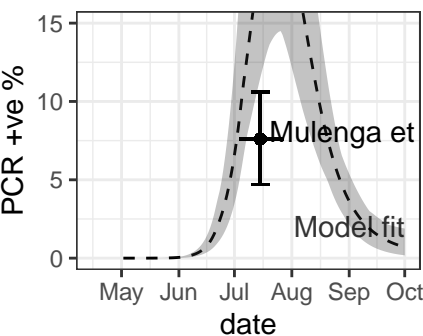
COVID-19 prevalence by age  
(UTH mortuary)



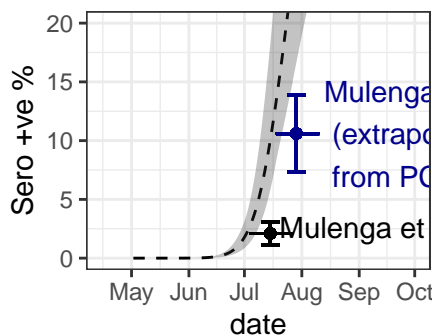
COVID-19 positive tests by age  
(UTH mortuary)



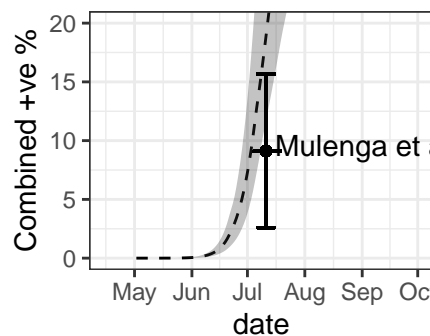
PCR prevalence  
binom II = -170 1



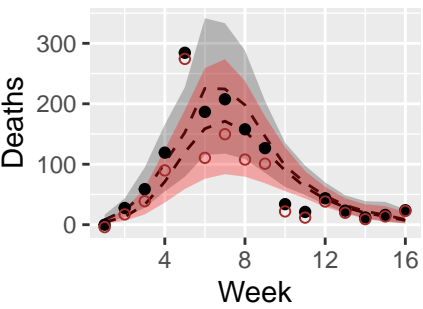
Seroprevalence  
binom II = -143 1



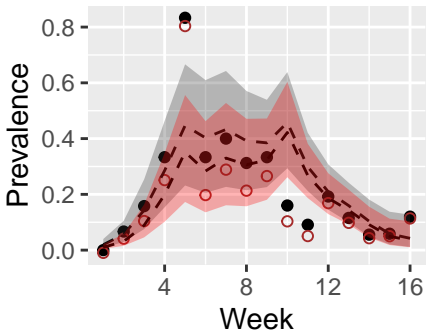
Combined prevalence  
binom II = -22 1



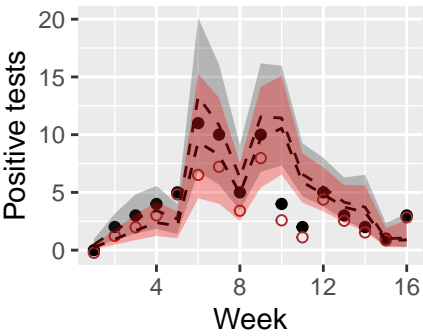
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



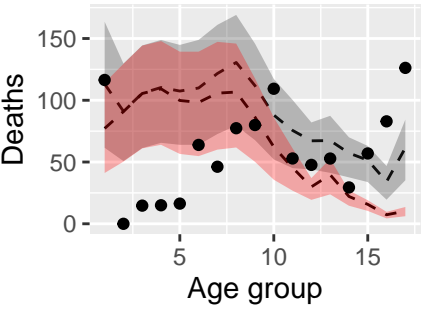
COVID-19 weekly prevalence  
(UTH mortuary)



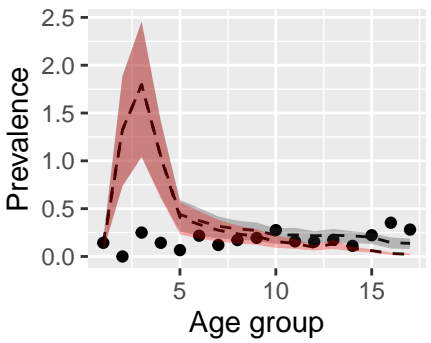
COVID-19 weekly positive tests  
(UTH mortuary)



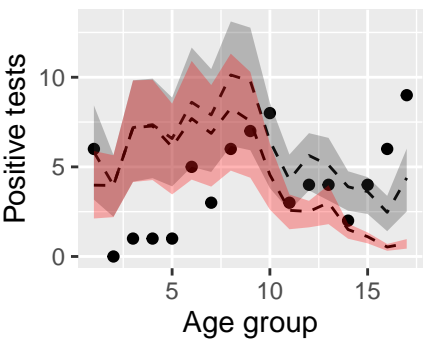
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.9



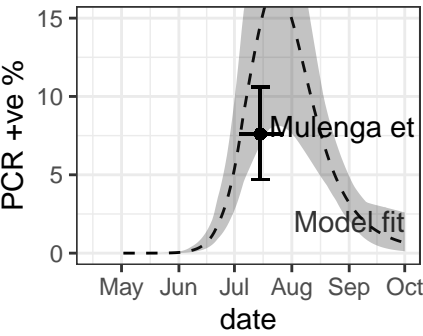
COVID-19 prevalence by age  
(UTH mortuary)



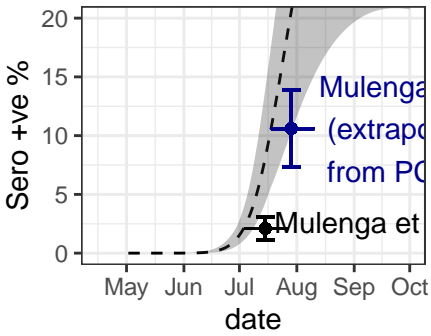
COVID-19 positive tests by age  
(UTH mortuary)



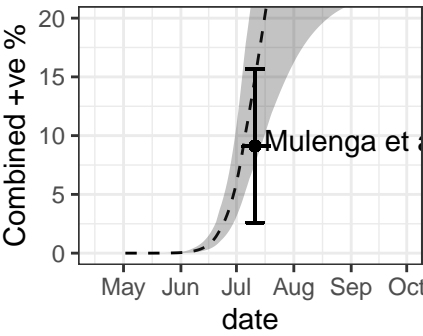
PCR prevalence  
binom II = -81 1



Seroprevalence  
binom II = -98 1

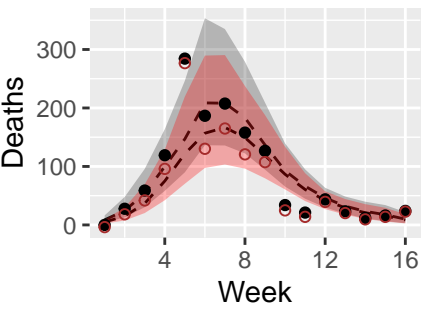


Combined prevalence  
binom II = -13 1

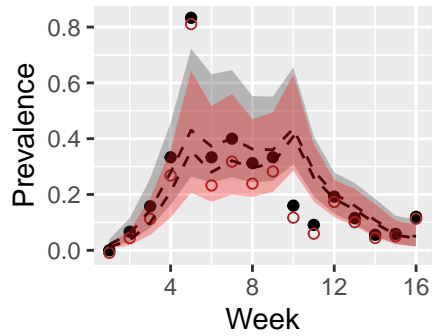


IFR x 1, Slope x 0.2

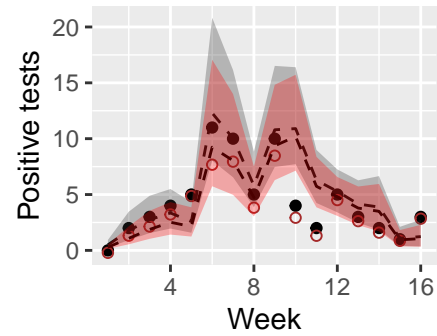
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



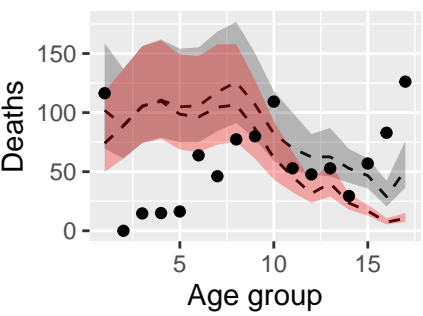
COVID-19 weekly prevalence  
(UTH mortuary)



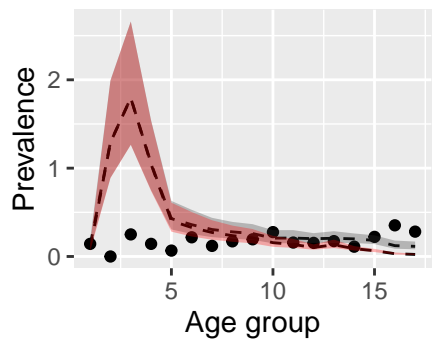
COVID-19 weekly positive tests  
(UTH mortuary)



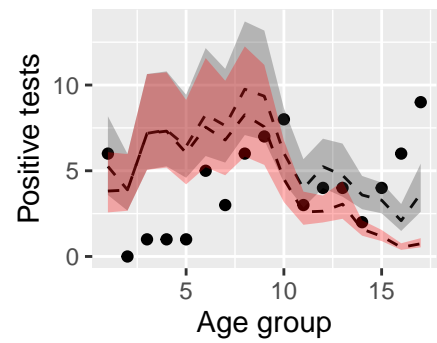
COVID-19 deaths by age  
(Lusaka)  
multinom II = -44.1



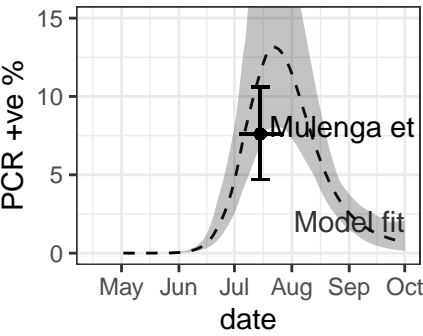
COVID-19 prevalence by age  
(UTH mortuary)



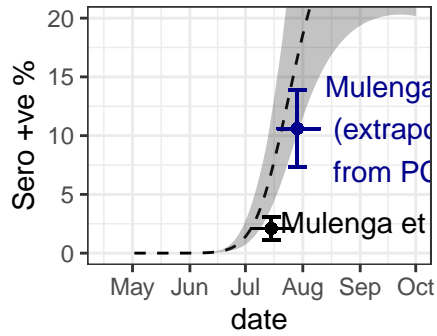
COVID-19 positive tests by age  
(UTH mortuary)



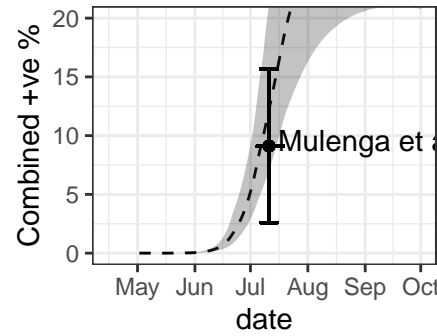
PCR prevalence  
binom II = -37 1



Seroprevalence  
binom II = -71 1

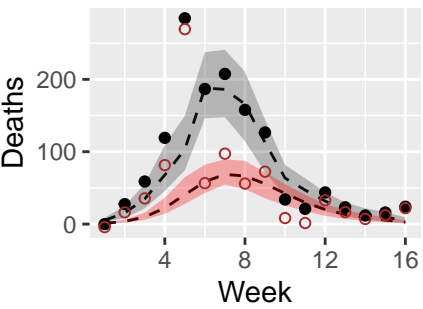


Combined prevalence  
binom II = -8 1

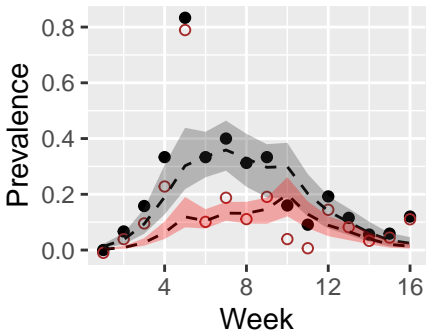


IFR x 0.2, Slope x 0.4

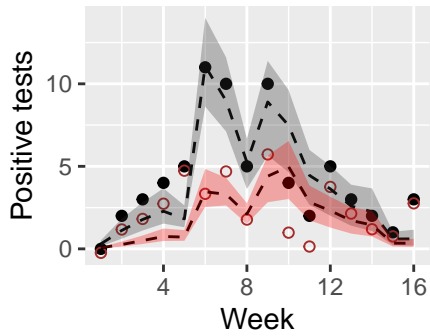
COVID-19 weekly deaths  
(Lusaka)  
nbins = 35



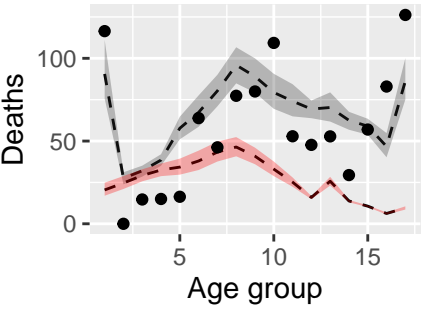
COVID-19 weekly prevalence  
(UTH mortuary)



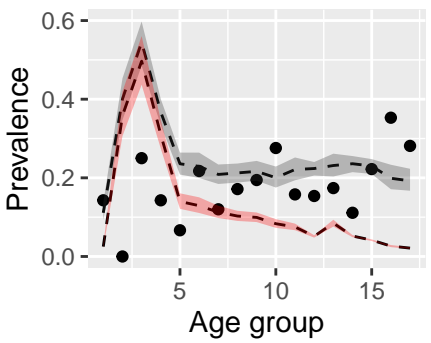
COVID-19 weekly positive tests  
(UTH mortuary)



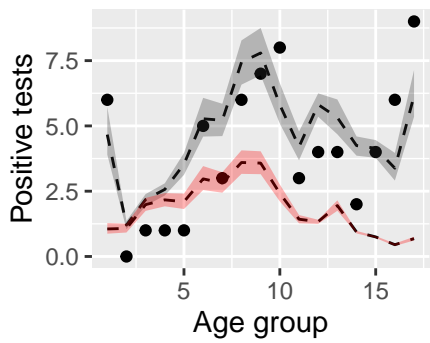
COVID-19 deaths by age  
(Lusaka)  
multinom = 29.4



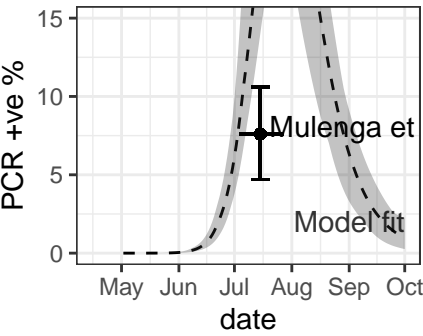
COVID-19 prevalence by age  
(UTH mortuary)



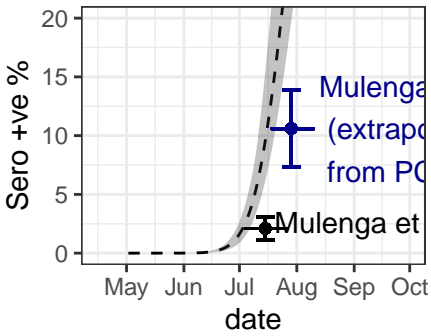
COVID-19 positive tests by age  
(UTH mortuary)



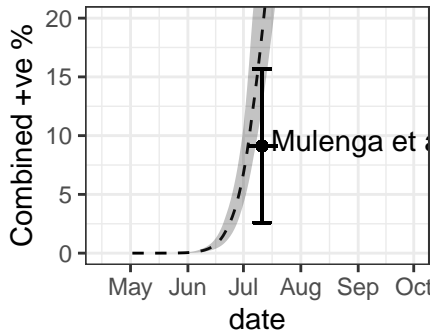
PCR prevalence  
binom = 184

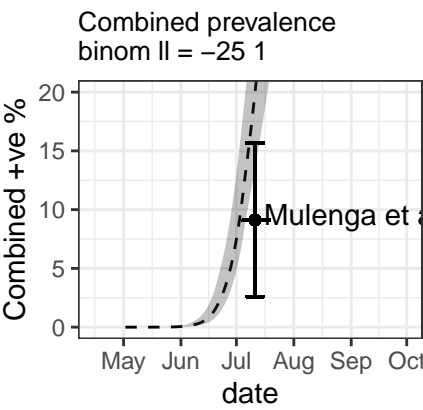
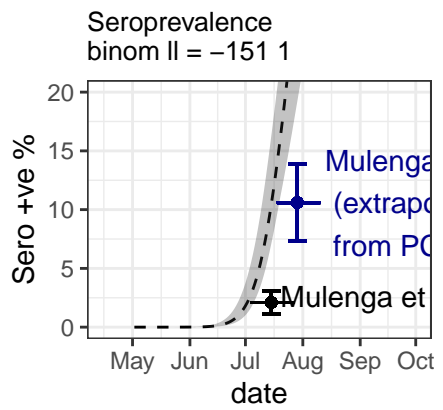
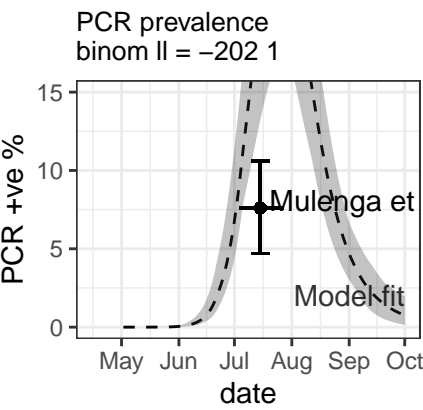
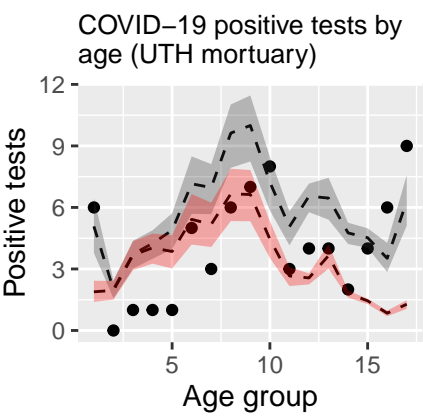
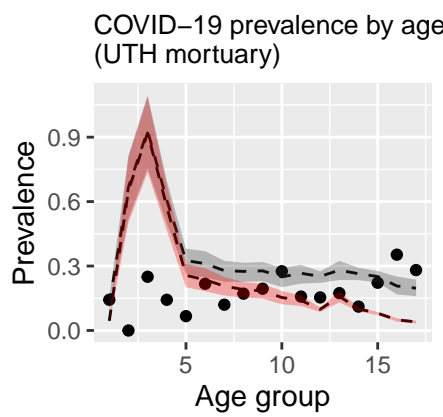
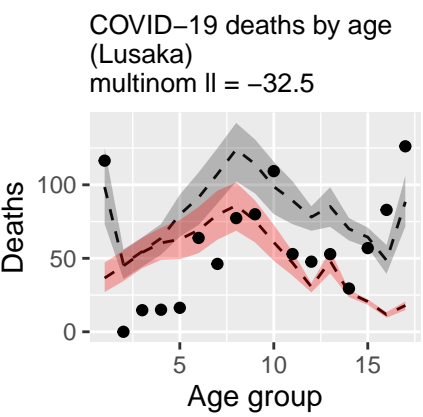
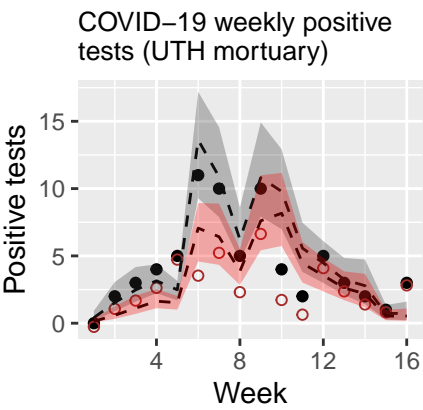
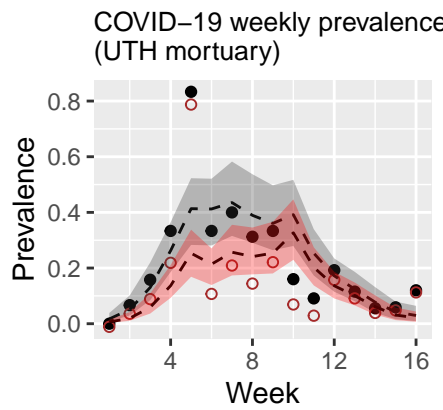
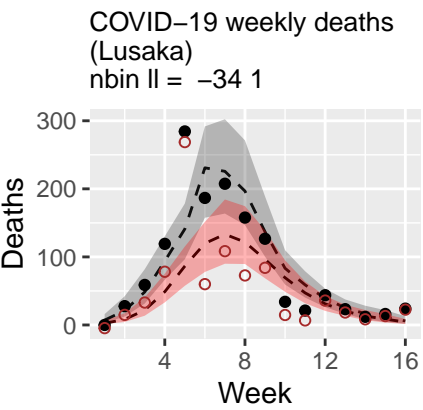


Seroprevalence  
binom = 131



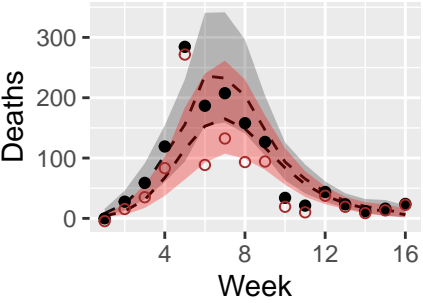
Combined prevalence  
binom = 23



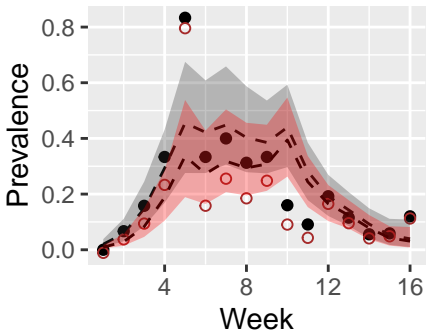


IFR x 0.6, Slope x 0.4

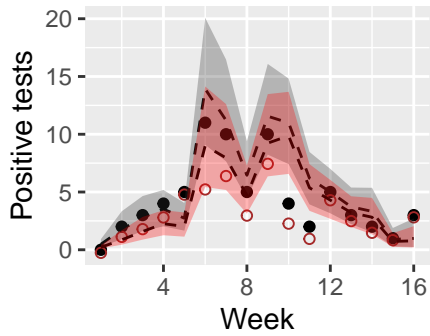
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



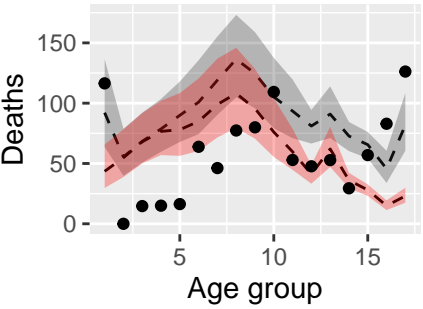
COVID-19 weekly prevalence  
(UTH mortuary)



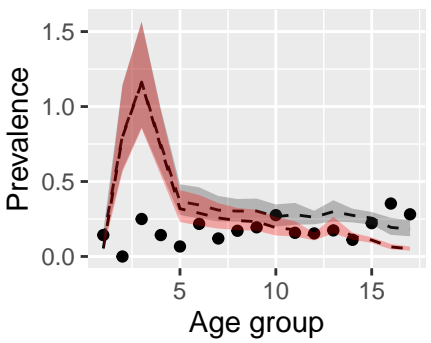
COVID-19 weekly positive tests  
(UTH mortuary)



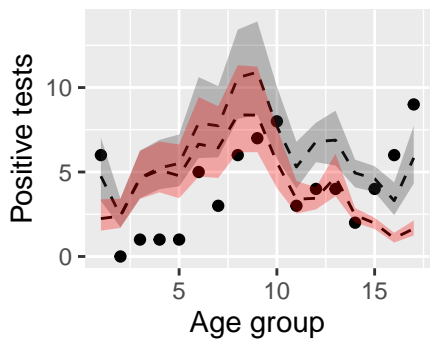
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35



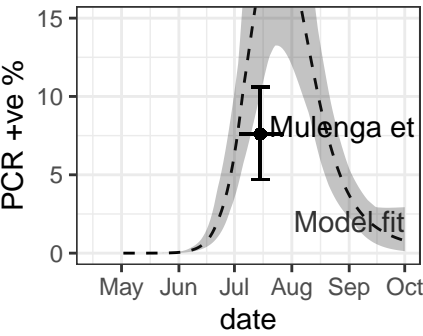
COVID-19 prevalence by age  
(UTH mortuary)



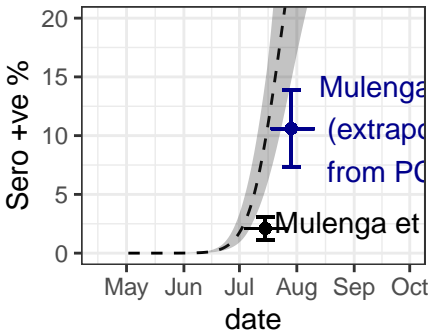
COVID-19 positive tests by age  
(UTH mortuary)



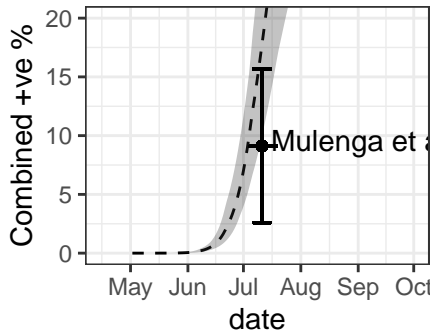
PCR prevalence  
binom II = -139 1



Seroprevalence  
binom II = -131 1



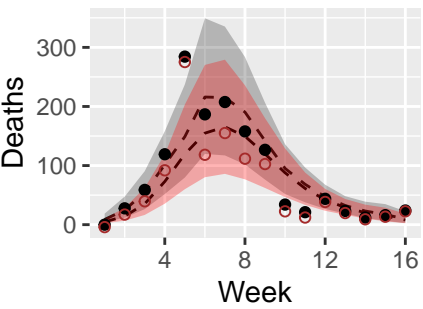
Combined prevalence  
binom II = -19 1



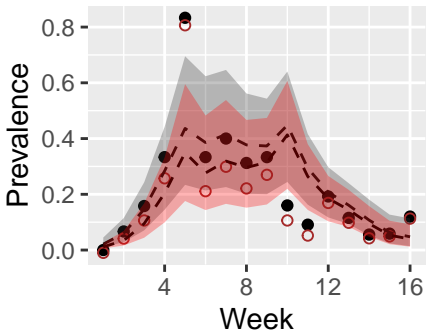


IFR x 0.8, Slope x 0.4

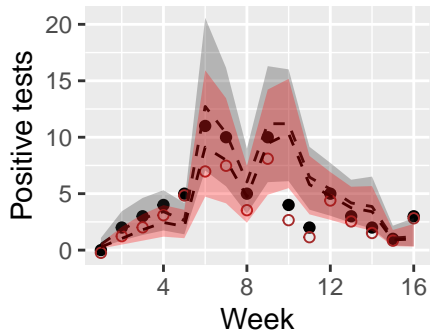
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



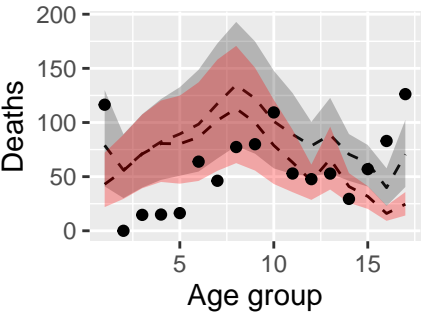
COVID-19 weekly prevalence  
(UTH mortuary)



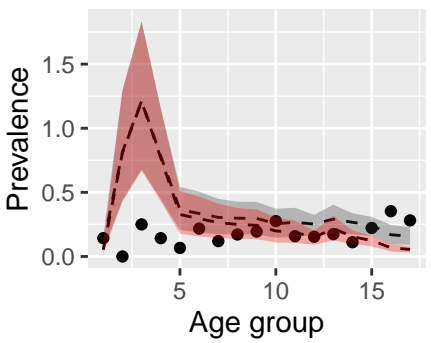
COVID-19 weekly positive tests  
(UTH mortuary)



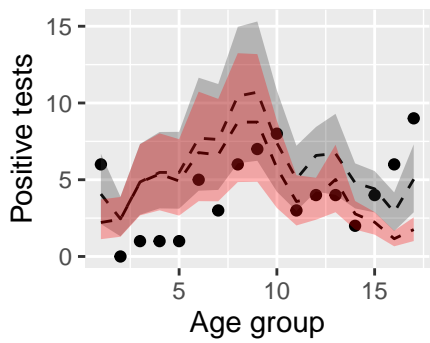
COVID-19 deaths by age  
(Lusaka)  
multinom II = -37



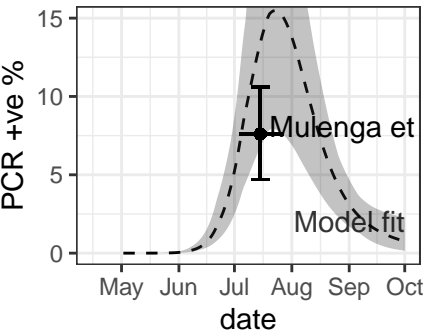
COVID-19 prevalence by age  
(UTH mortuary)



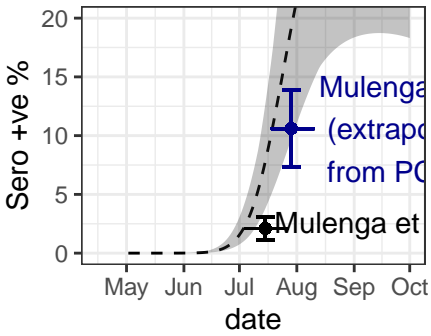
COVID-19 positive tests by age  
(UTH mortuary)



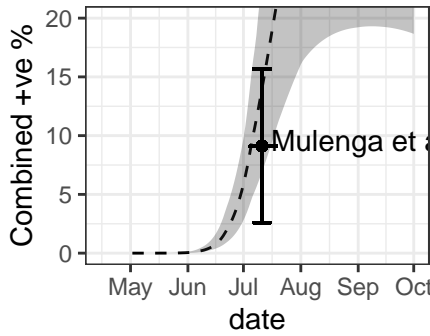
PCR prevalence  
binom II = -66 1



Seroprevalence  
binom II = -92 1

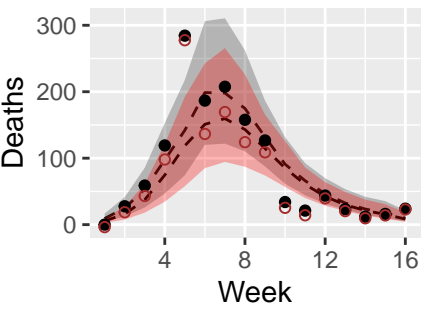


Combined prevalence  
binom II = -11 1

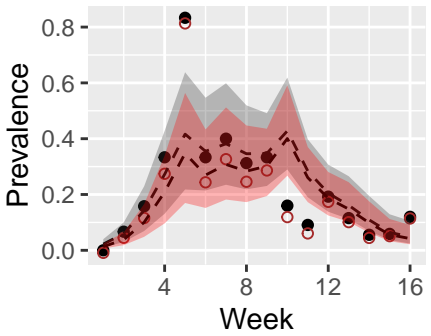


IFR x 1, Slope x 0.4

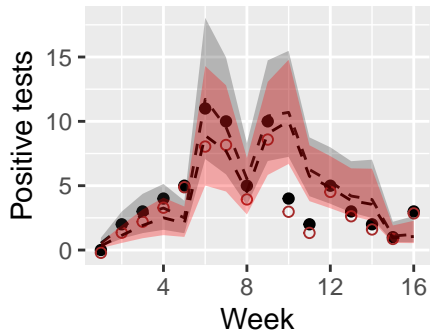
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



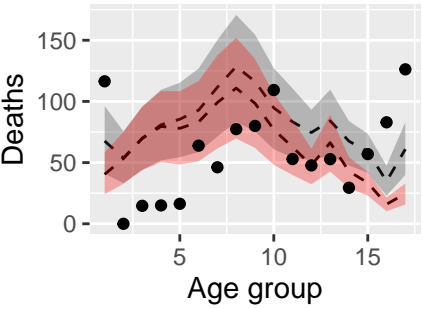
COVID-19 weekly prevalence  
(UTH mortuary)



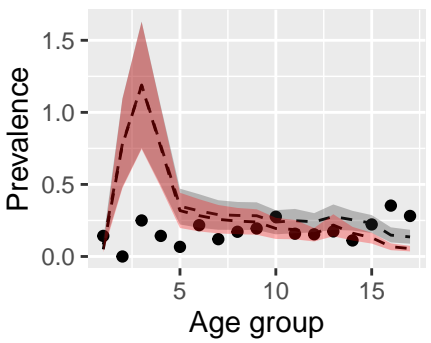
COVID-19 weekly positive tests  
(UTH mortuary)



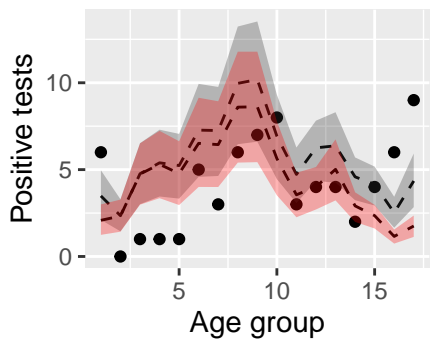
COVID-19 deaths by age  
(Lusaka)  
multinom II = -38.5



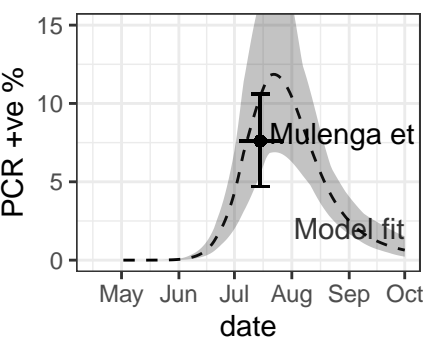
COVID-19 prevalence by age  
(UTH mortuary)



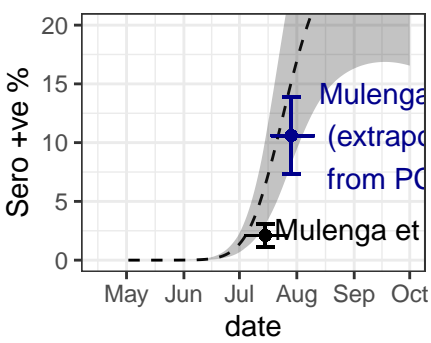
COVID-19 positive tests by age  
(UTH mortuary)



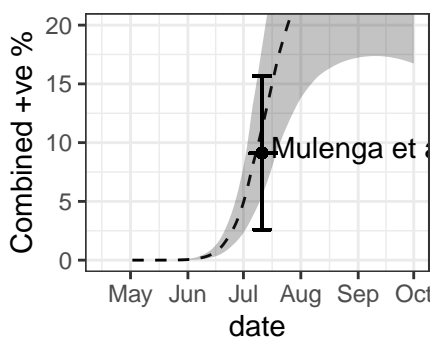
PCR prevalence  
binom II = -24 1

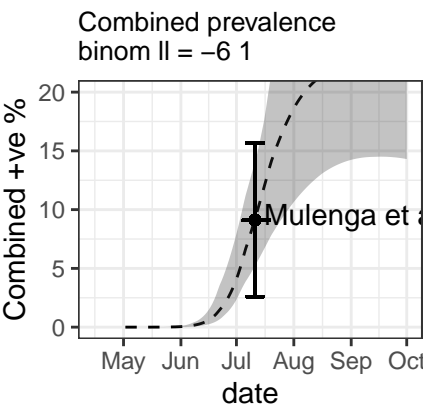
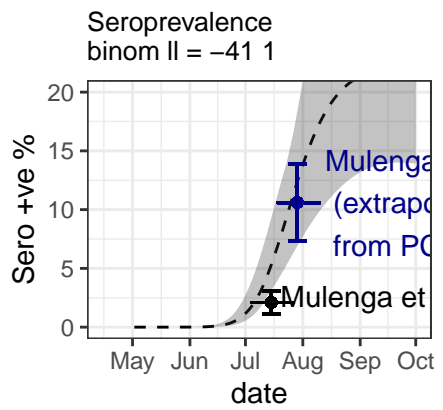
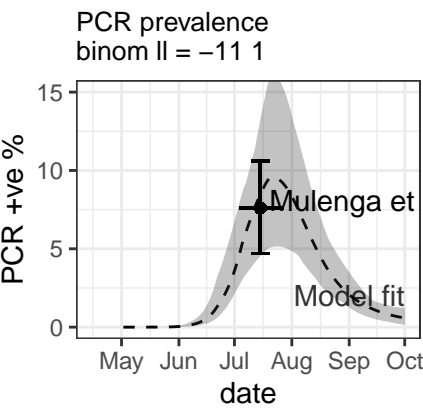
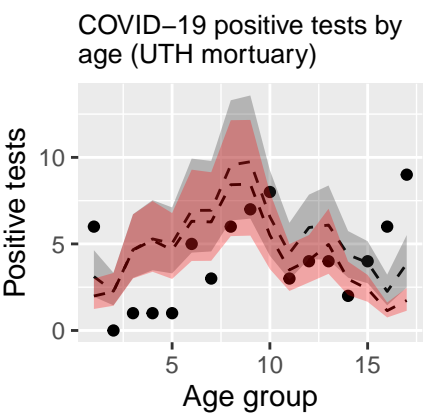
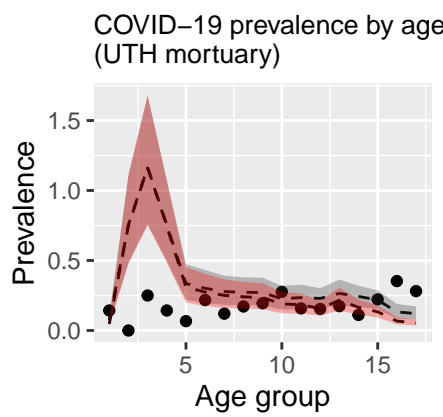
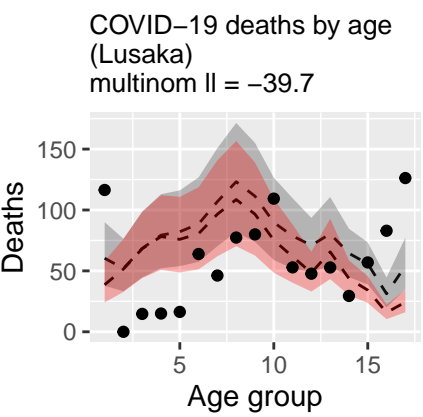
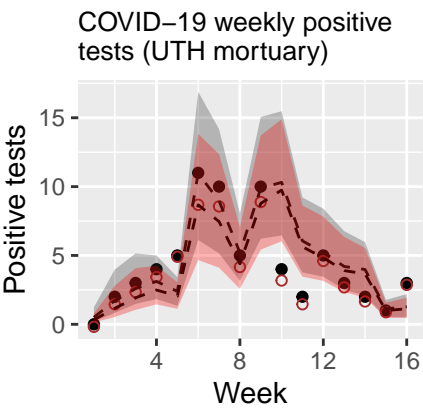
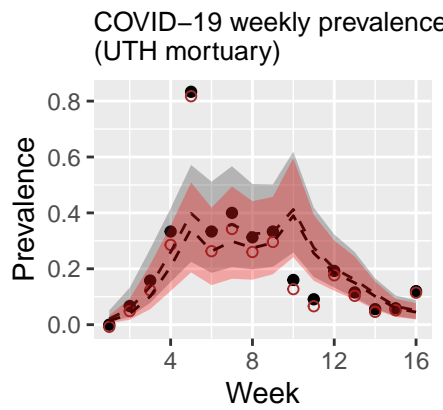
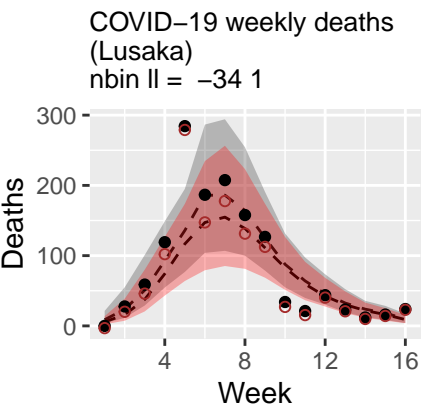


Seroprevalence  
binom II = -62 1



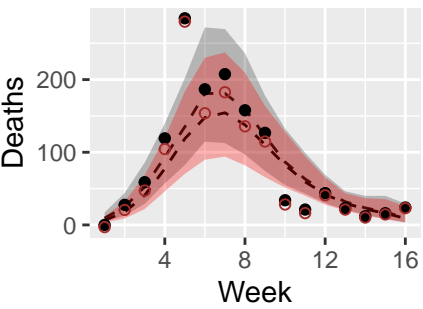
Combined prevalence  
binom II = -7 1



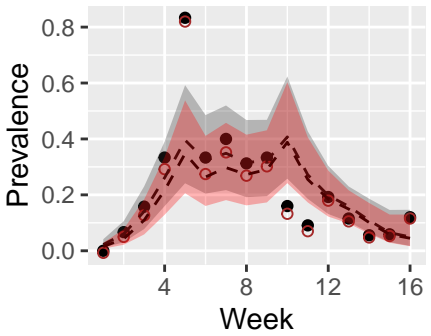


IFR x 1.4, Slope x 0.4

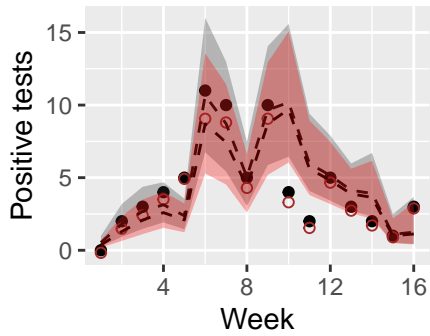
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



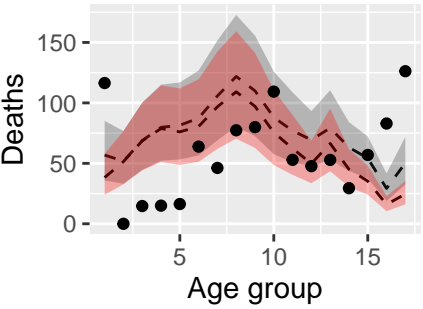
COVID-19 weekly prevalence  
(UTH mortuary)



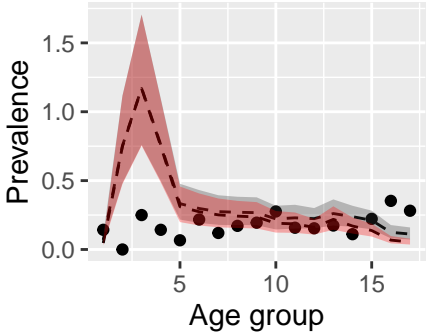
COVID-19 weekly positive tests  
(UTH mortuary)



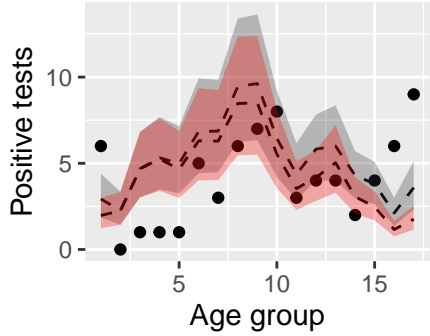
COVID-19 deaths by age  
(Lusaka)  
multinom II = -40.6



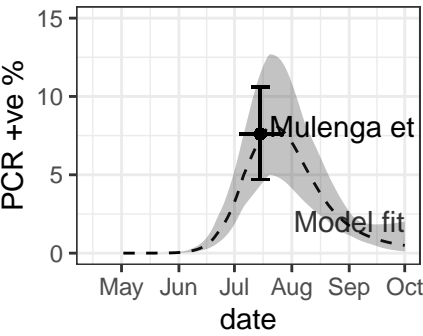
COVID-19 prevalence by age  
(UTH mortuary)



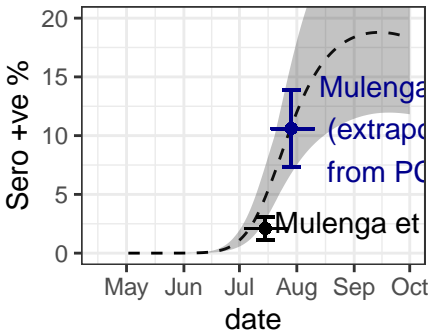
COVID-19 positive tests by age  
(UTH mortuary)



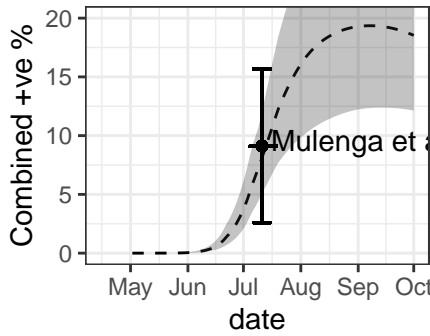
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -32 1

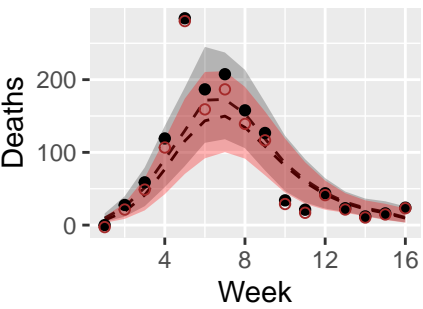


Combined prevalence  
binom II = -5 1

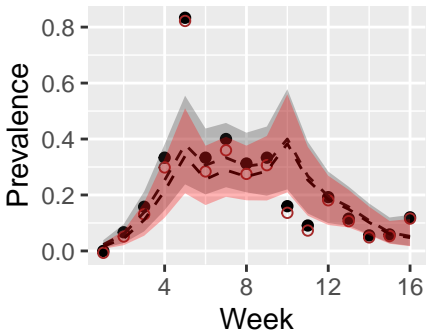


IFR x 1.6, Slope x 0.4

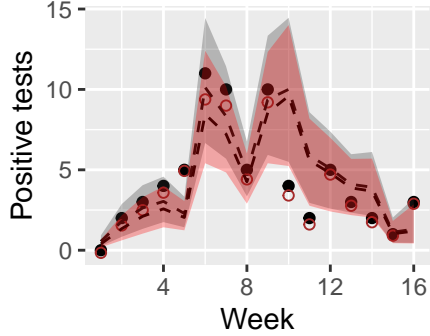
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



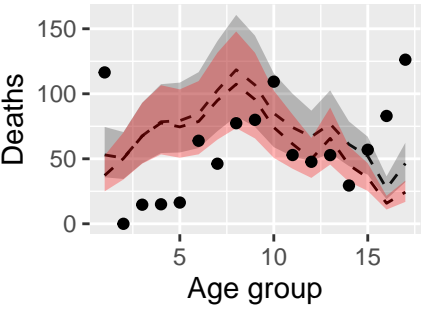
COVID-19 weekly prevalence  
(UTH mortuary)



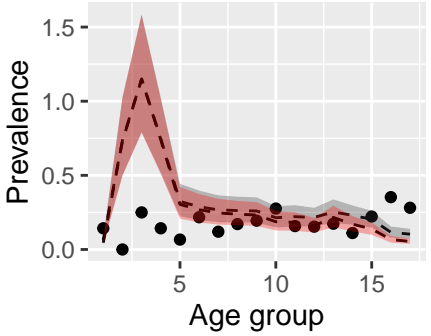
COVID-19 weekly positive tests  
(UTH mortuary)



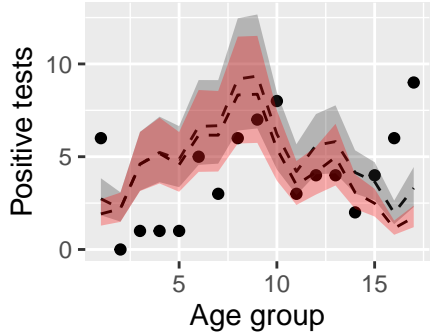
COVID-19 deaths by age  
(Lusaka)  
multinom II = -41.3



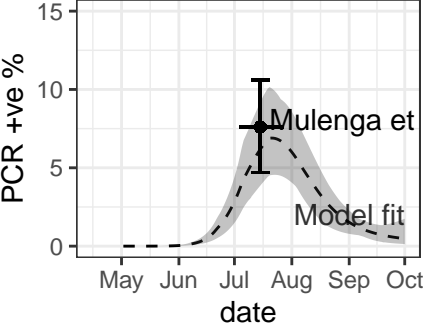
COVID-19 prevalence by age  
(UTH mortuary)



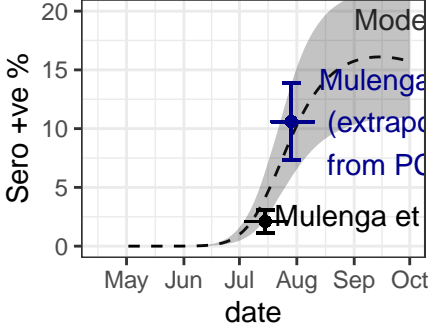
COVID-19 positive tests by age  
(UTH mortuary)



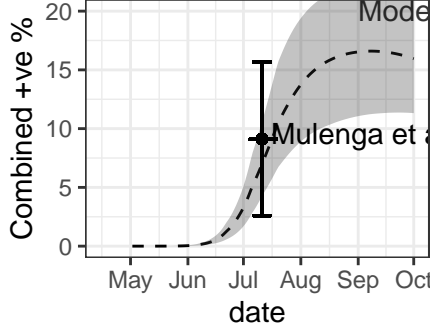
PCR prevalence  
binom II = -12 1



Seroprevalence  
binom II = -22 1

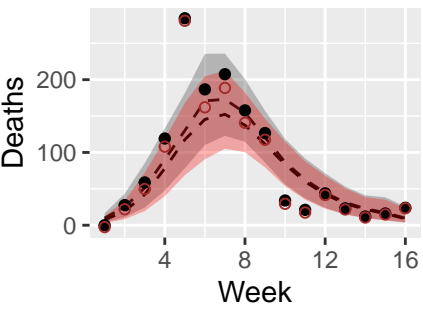


Combined prevalence  
binom II = -6 1

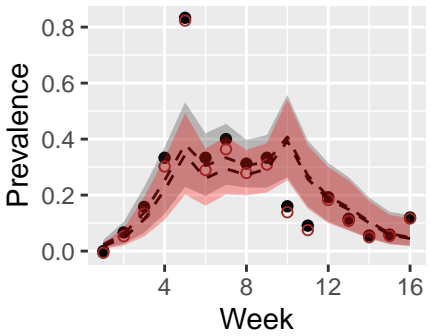


IFR x 1.8, Slope x 0.4

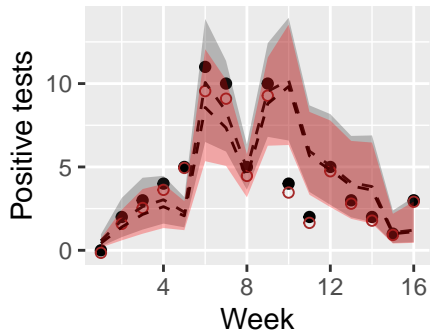
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



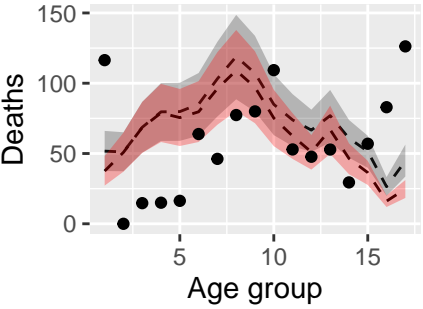
COVID-19 weekly prevalence  
(UTH mortuary)



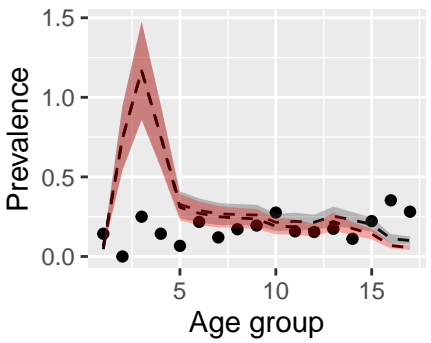
COVID-19 weekly positive tests  
(UTH mortuary)



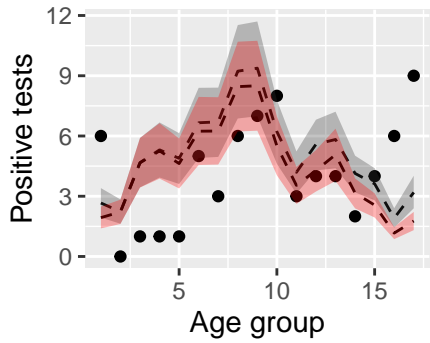
COVID-19 deaths by age  
(Lusaka)  
multinom II = -42



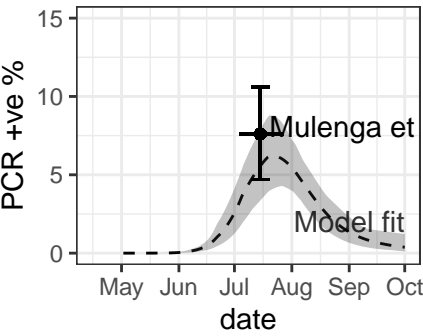
COVID-19 prevalence by age  
(UTH mortuary)



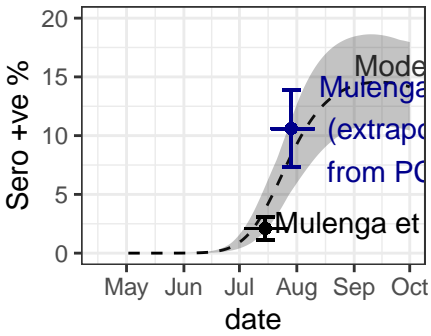
COVID-19 positive tests by age  
(UTH mortuary)



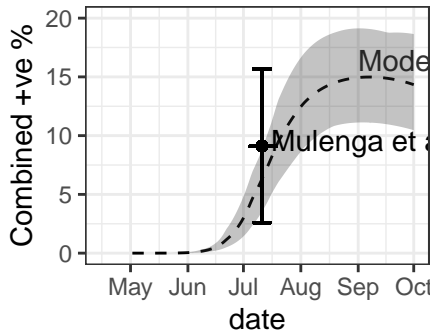
PCR prevalence  
binom II = -18 1



Seroprevalence  
binom II = -17 1

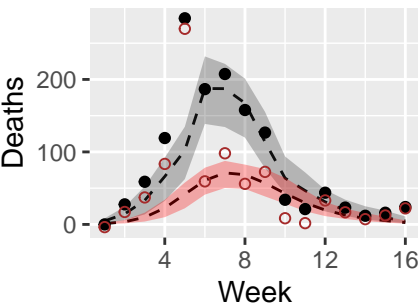


Combined prevalence  
binom II = -7 1

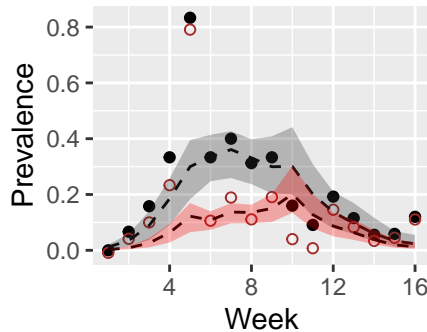


IFR x 0.2, Slope x 0.6

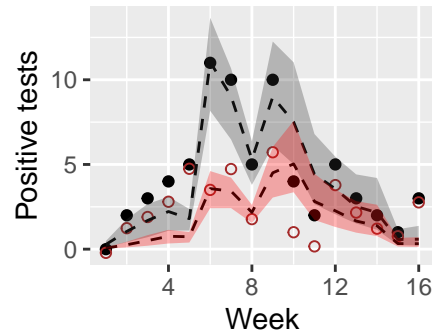
COVID-19 weekly deaths  
(Lusaka)  
nbins II = -35 1



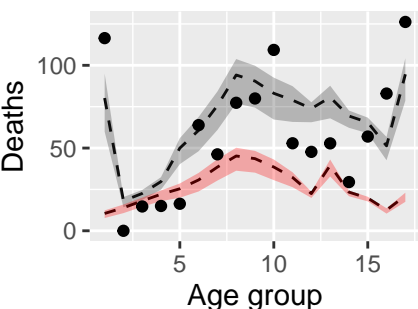
COVID-19 weekly prevalence  
(UTH mortuary)



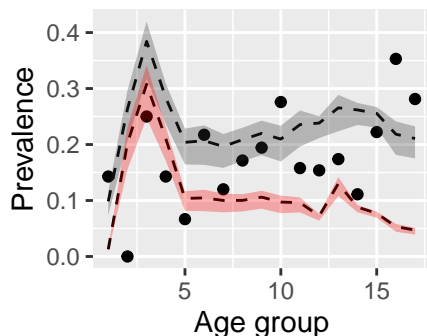
COVID-19 weekly positive tests  
(UTH mortuary)



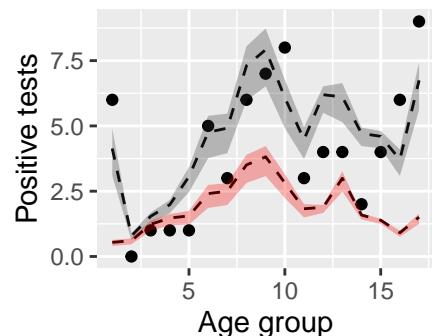
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.3



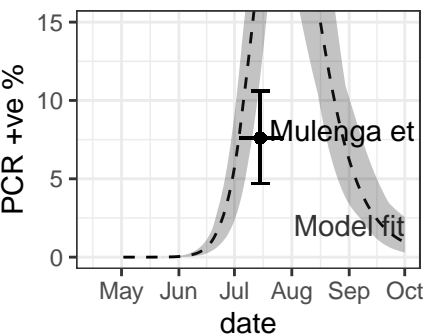
COVID-19 prevalence by age  
(UTH mortuary)



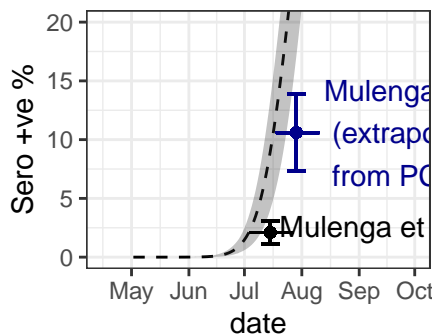
COVID-19 positive tests by age  
(UTH mortuary)



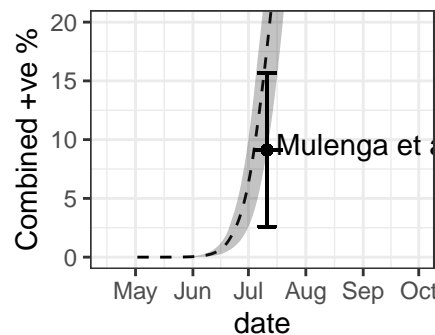
PCR prevalence  
binom II = -170 1

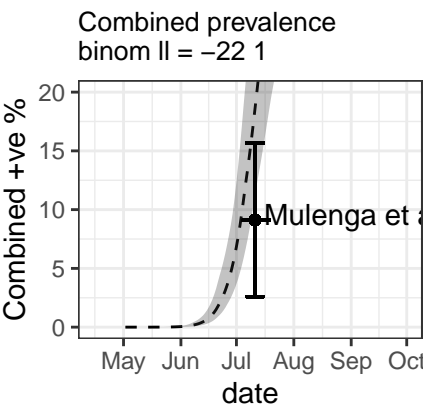
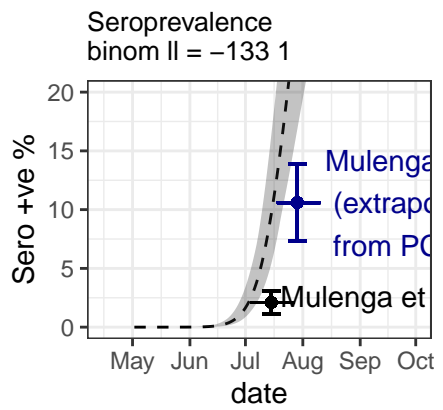
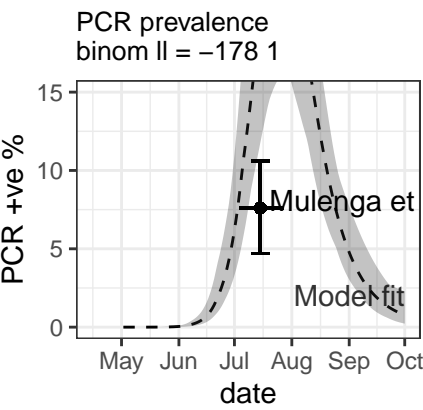
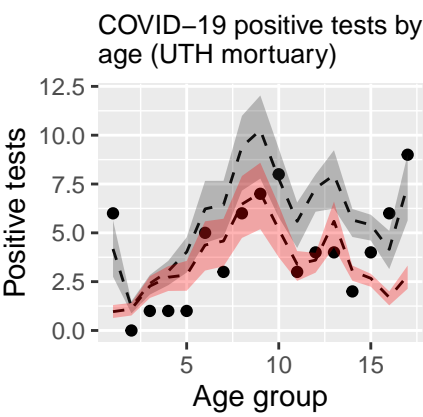
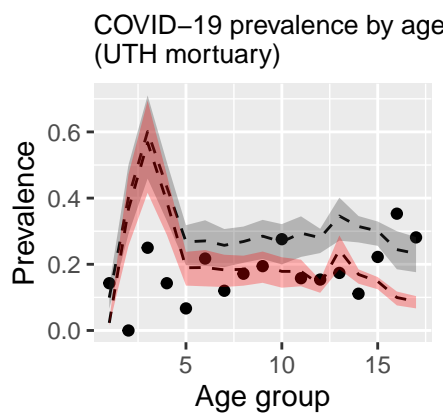
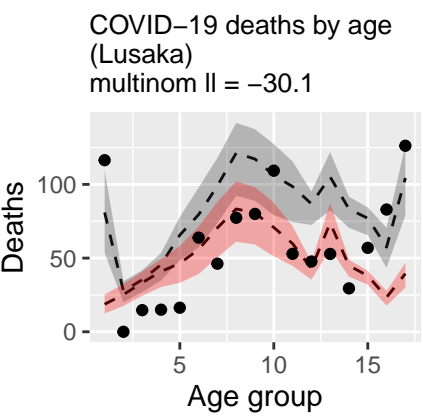
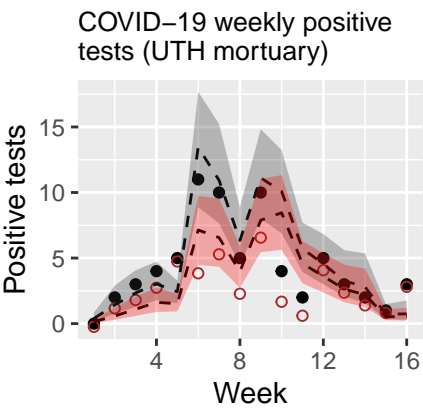
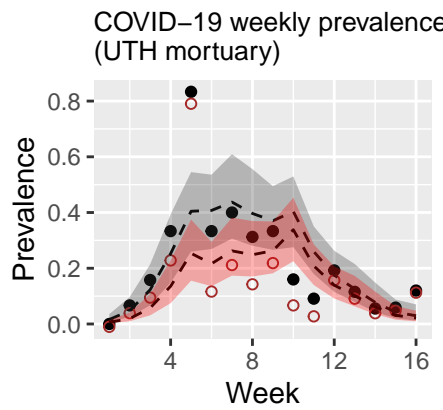
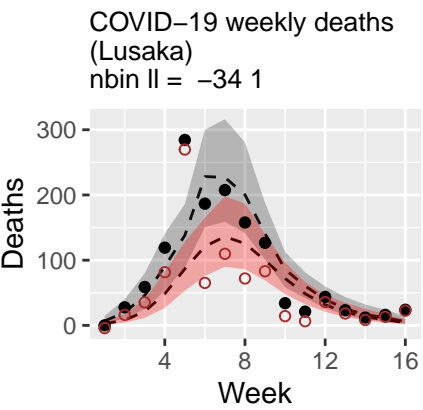


Seroprevalence  
binom II = -117 1



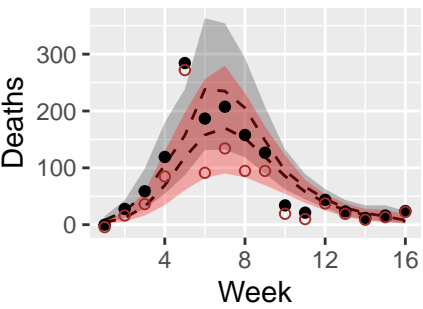
Combined prevalence  
binom II = -21 1



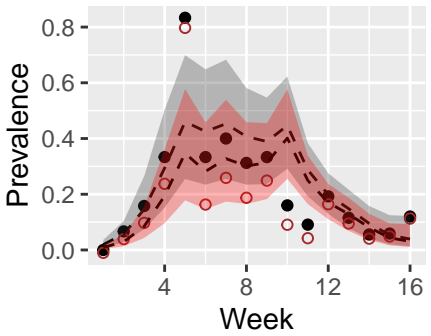




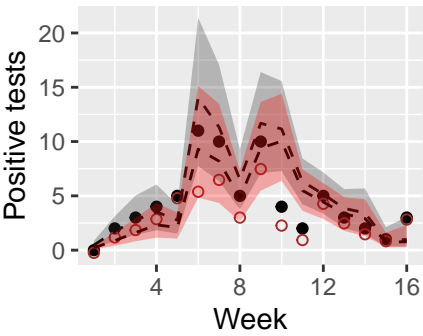
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



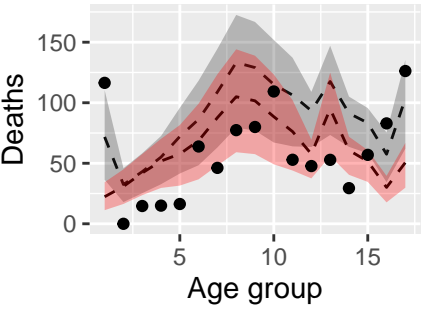
COVID-19 weekly prevalence  
(UTH mortuary)



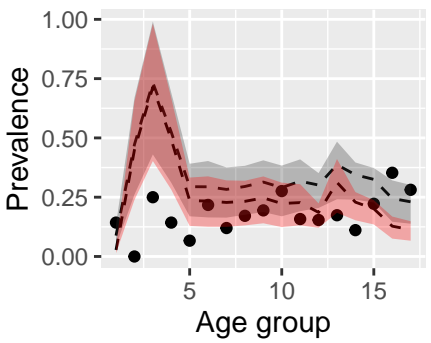
COVID-19 weekly positive tests  
(UTH mortuary)



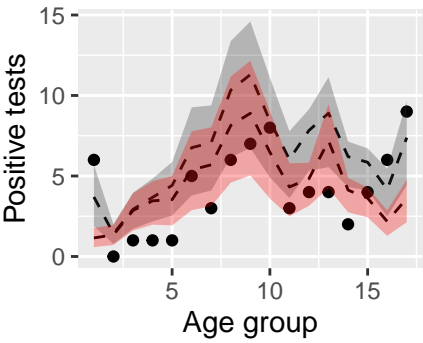
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.8



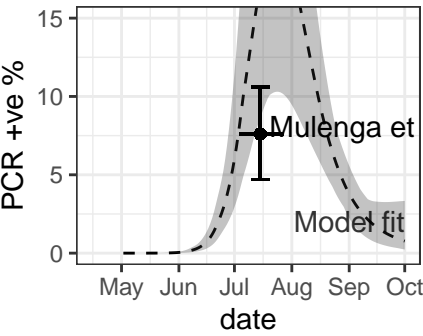
COVID-19 prevalence by age  
(UTH mortuary)



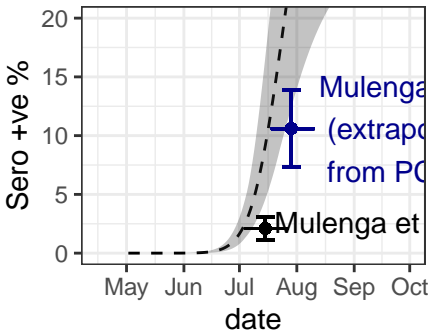
COVID-19 positive tests by age  
(UTH mortuary)



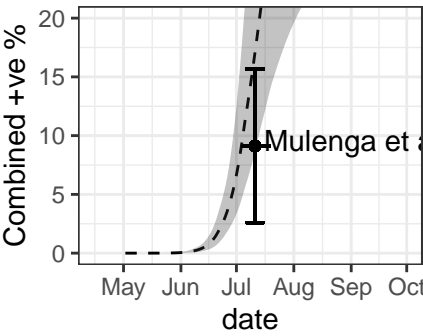
PCR prevalence  
binom II = -131 1



Seroprevalence  
binom II = -122 1

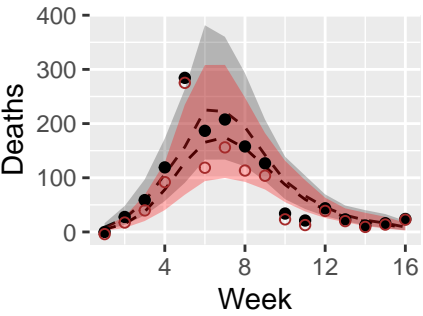


Combined prevalence  
binom II = -18 1

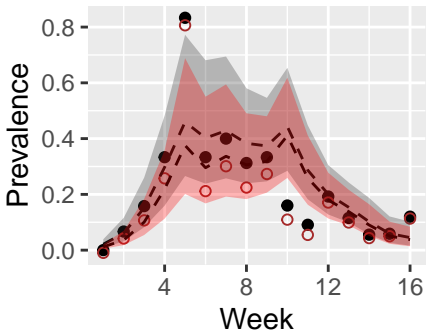


IFR x 0.8, Slope x 0.6

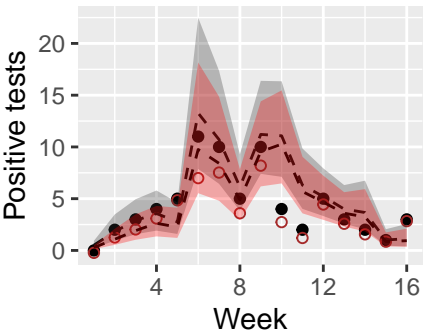
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



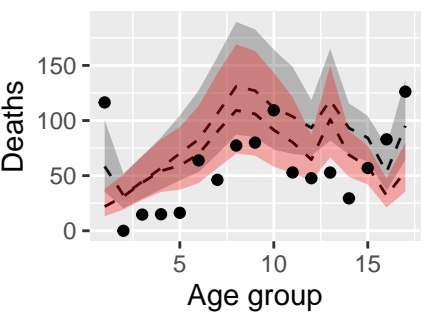
COVID-19 weekly prevalence  
(UTH mortuary)



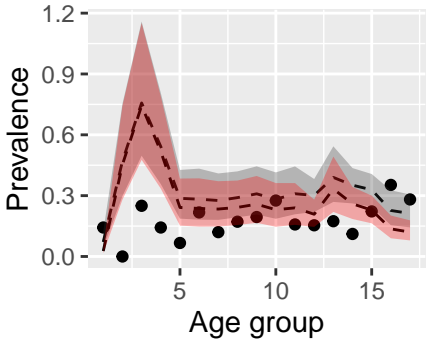
COVID-19 weekly positive tests  
(UTH mortuary)



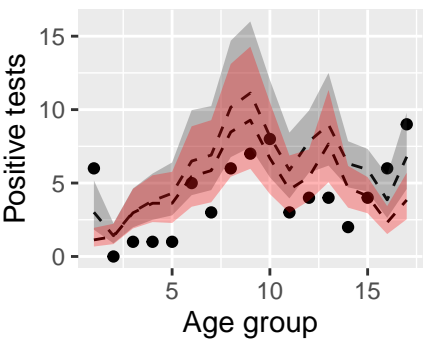
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.3



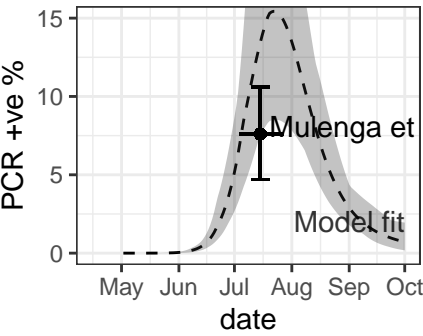
COVID-19 prevalence by age  
(UTH mortuary)



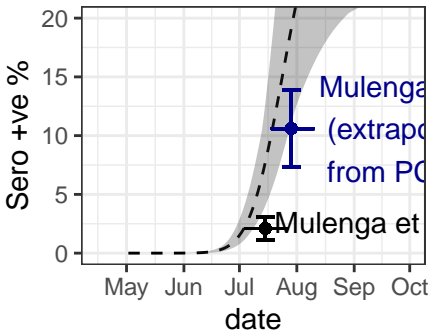
COVID-19 positive tests by age  
(UTH mortuary)



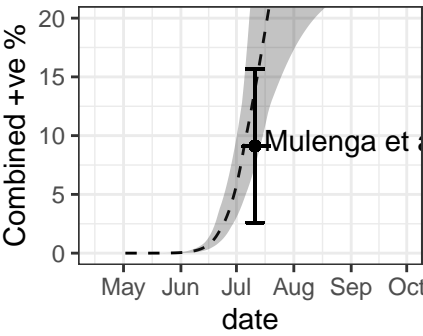
PCR prevalence  
binom II = -62 1



Seroprevalence  
binom II = -89 1

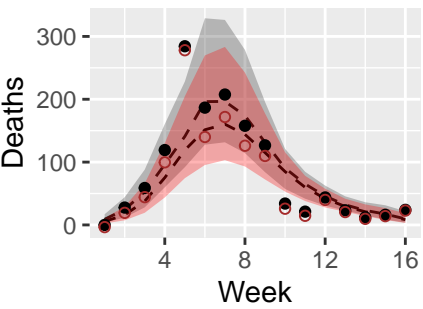


Combined prevalence  
binom II = -11 1

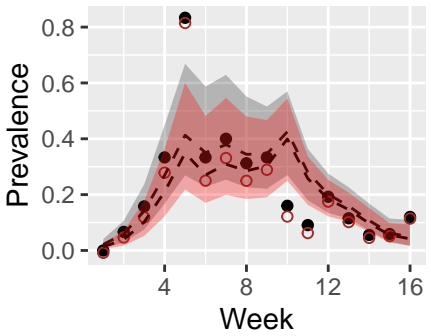


IFR x 1, Slope x 0.6

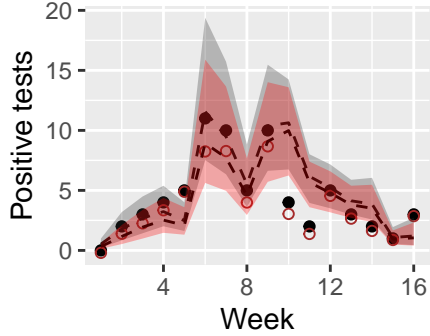
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



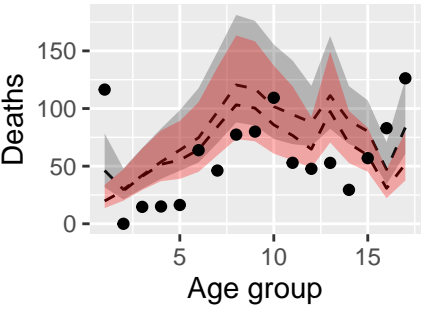
COVID-19 weekly prevalence  
(UTH mortuary)



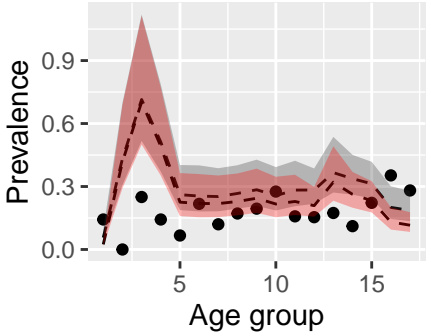
COVID-19 weekly positive tests  
(UTH mortuary)



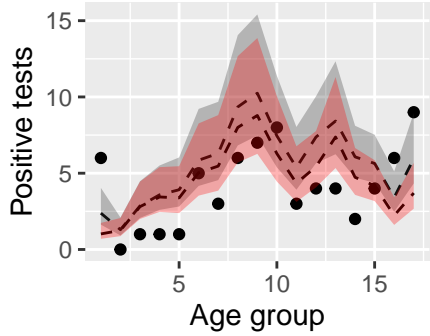
COVID-19 deaths by age  
(Lusaka)  
multinomial = 34.5



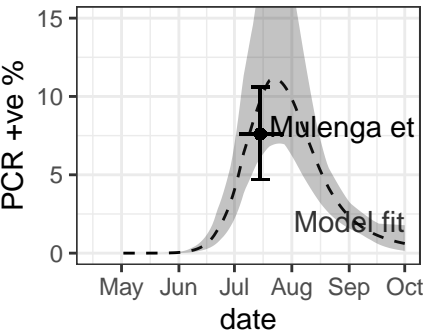
COVID-19 prevalence by age  
(UTH mortuary)



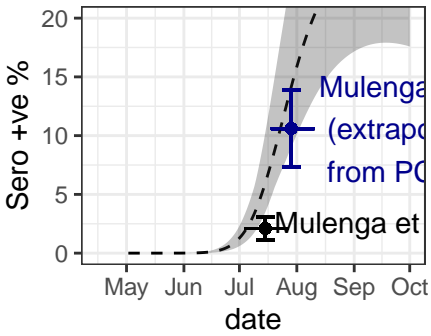
COVID-19 positive tests by age  
(UTH mortuary)



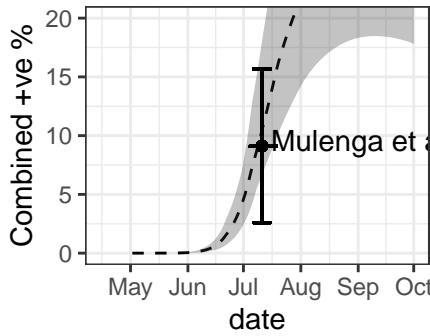
PCR prevalence  
binomial = 18 1



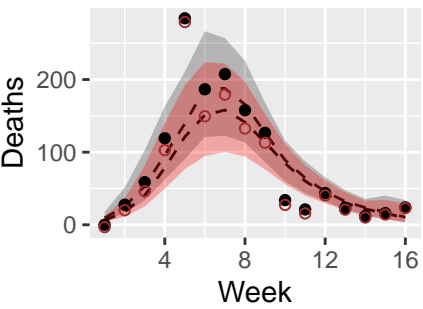
Seroprevalence  
binomial = 53 1



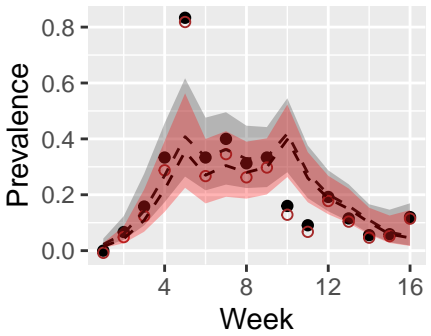
Combined prevalence  
binomial = 6 1



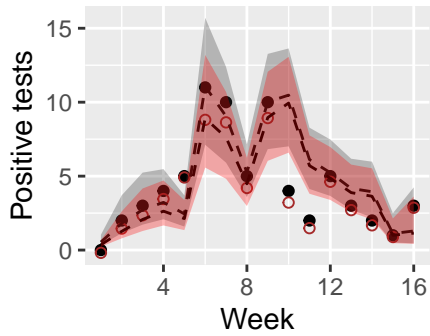
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -33 1



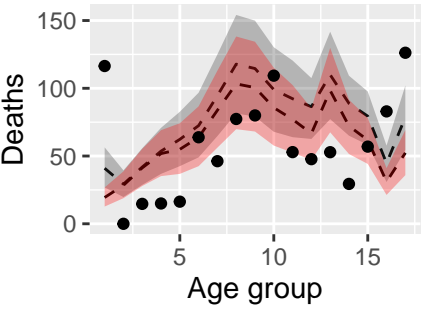
COVID-19 weekly prevalence  
(UTH mortuary)



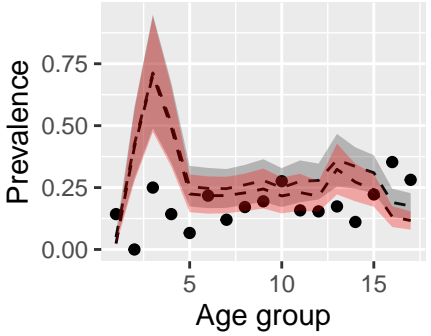
COVID-19 weekly positive tests  
(UTH mortuary)



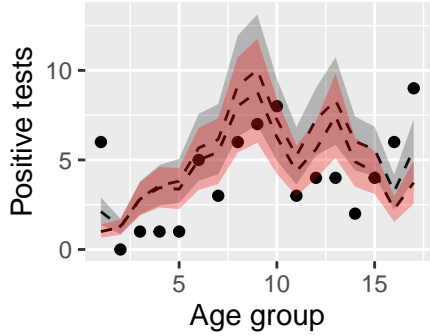
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.3



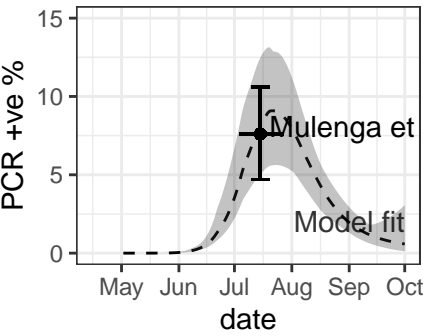
COVID-19 prevalence by age  
(UTH mortuary)



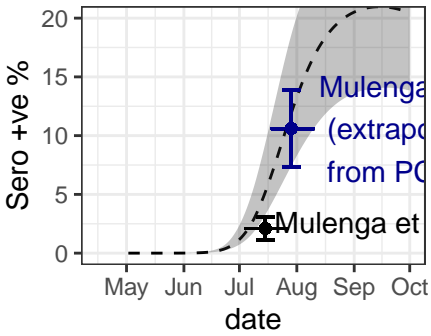
COVID-19 positive tests by age  
(UTH mortuary)



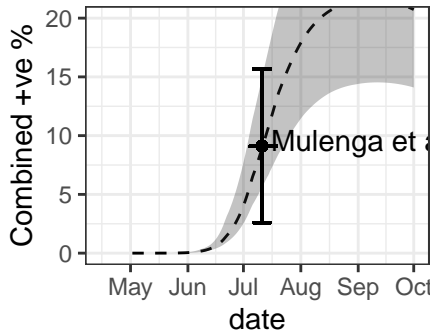
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -39 1

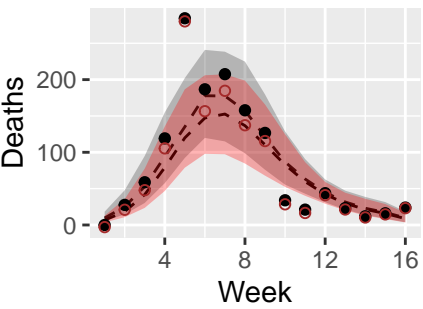


Combined prevalence  
binom II = -5 1

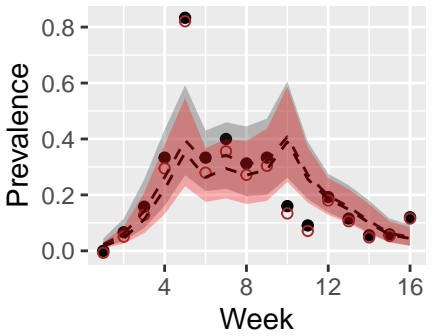


IFR x 1.4, Slope x 0.6

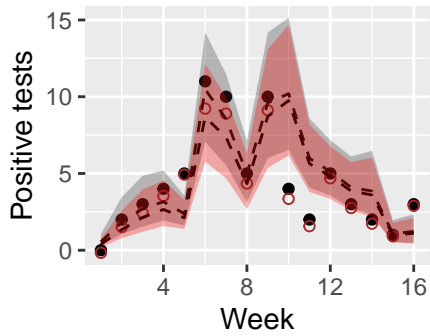
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



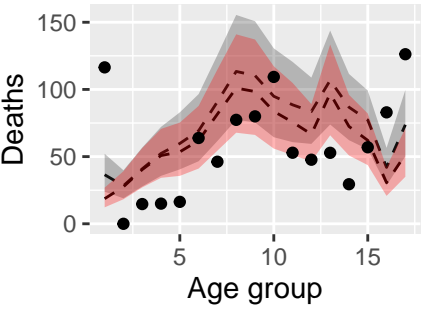
COVID-19 weekly prevalence  
(UTH mortuary)



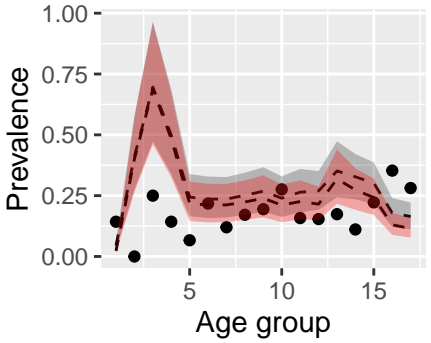
COVID-19 weekly positive tests  
(UTH mortuary)



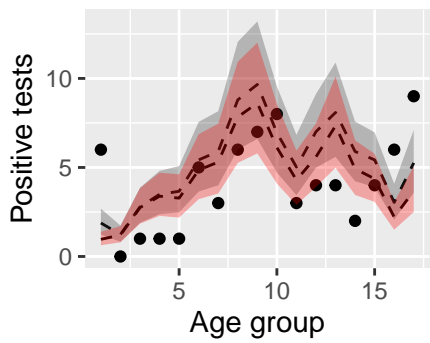
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36



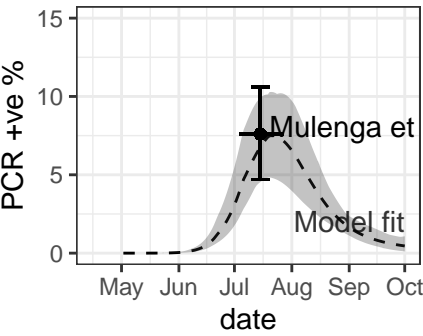
COVID-19 prevalence by age  
(UTH mortuary)



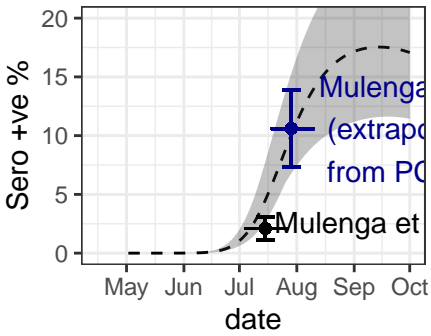
COVID-19 positive tests by age  
(UTH mortuary)



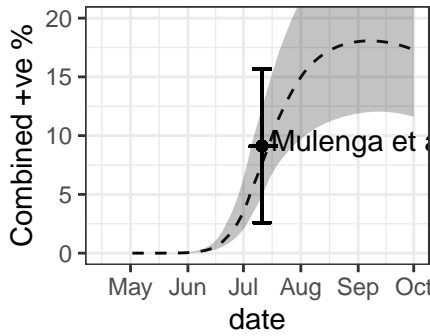
PCR prevalence  
binom II = -8 1



Seroprevalence  
binom II = -27 1

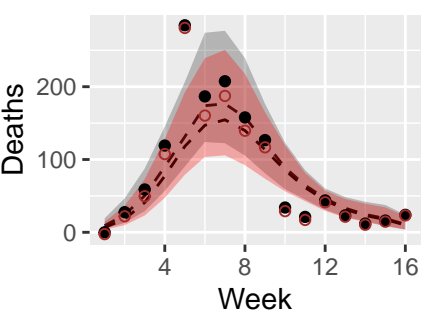


Combined prevalence  
binom II = -5 1

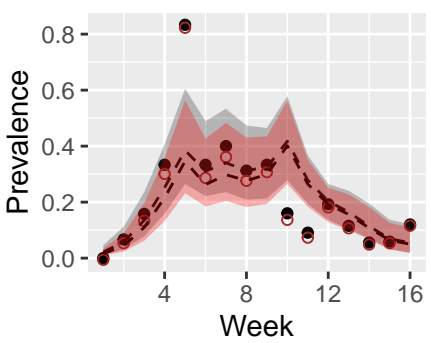


IFR x 1.6, Slope x 0.6

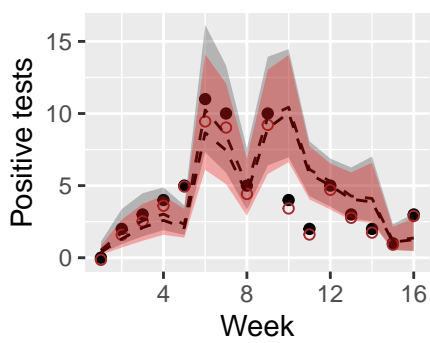
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



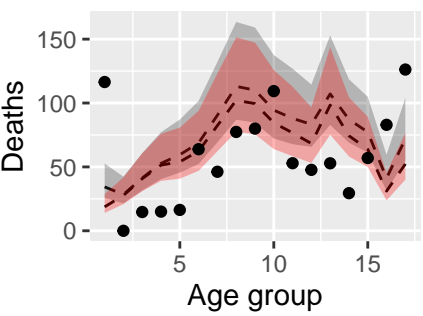
COVID-19 weekly prevalence  
(UTH mortuary)



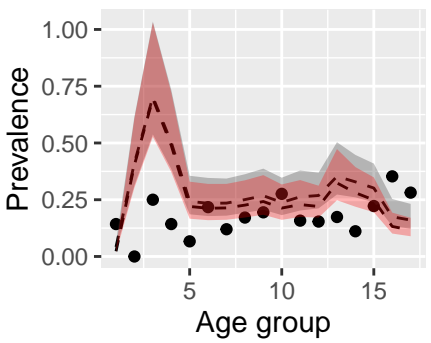
COVID-19 weekly positive tests  
(UTH mortuary)



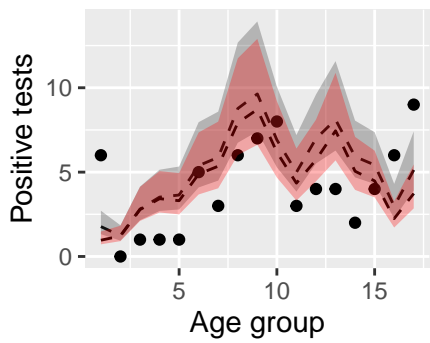
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.5



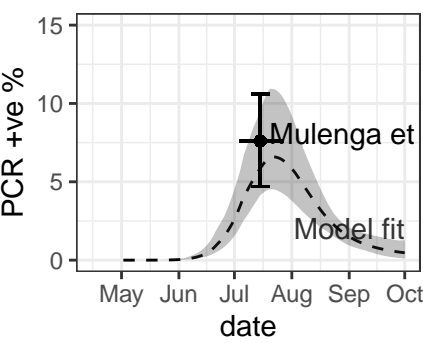
COVID-19 prevalence by age  
(UTH mortuary)



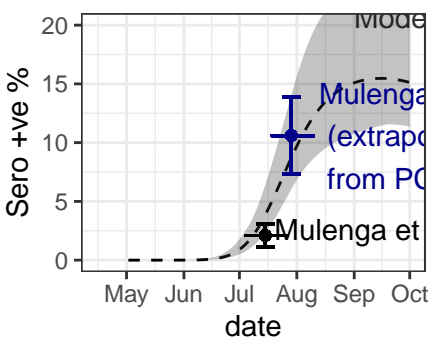
COVID-19 positive tests by age  
(UTH mortuary)



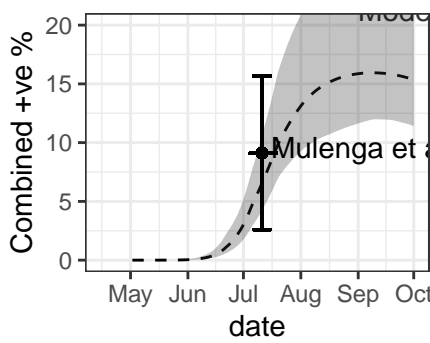
PCR prevalence  
binom II = -14 1



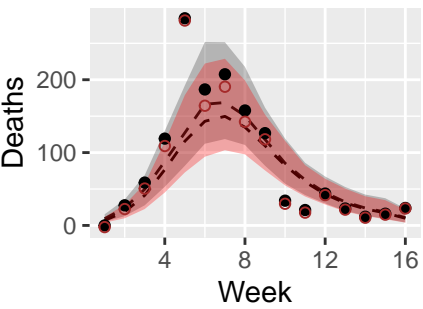
Seroprevalence  
binom II = -18 1



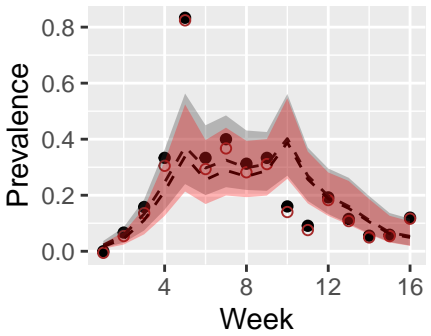
Combined prevalence  
binom II = -6 1



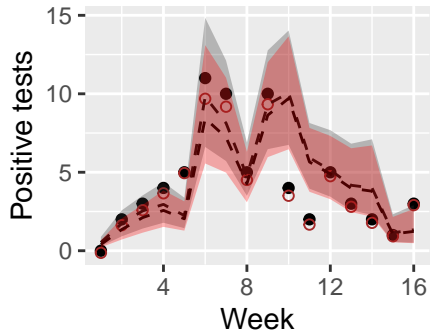
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



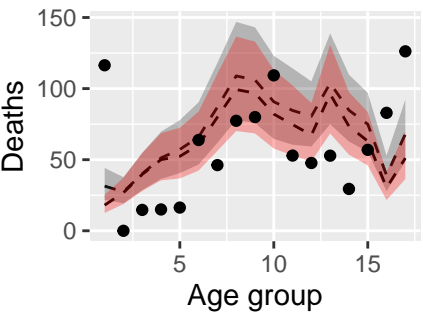
COVID-19 weekly prevalence  
(UTH mortuary)



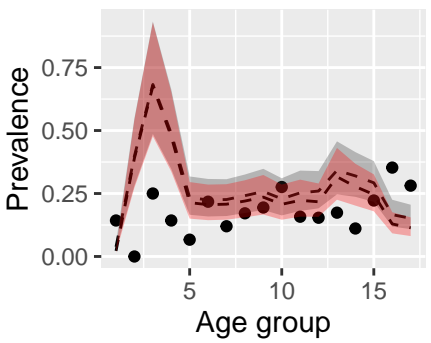
COVID-19 weekly positive tests  
(UTH mortuary)



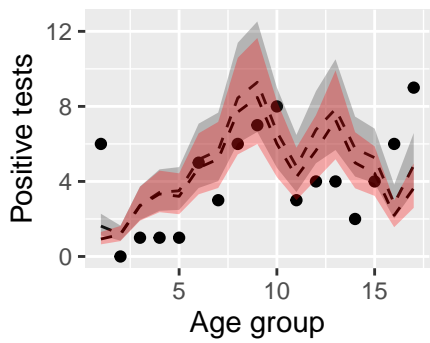
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.9



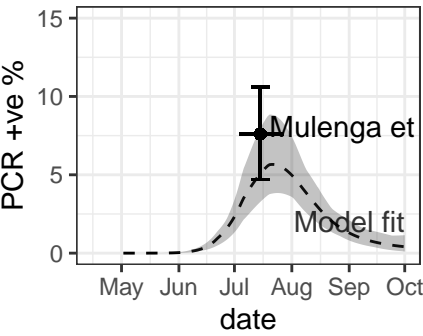
COVID-19 prevalence by age  
(UTH mortuary)



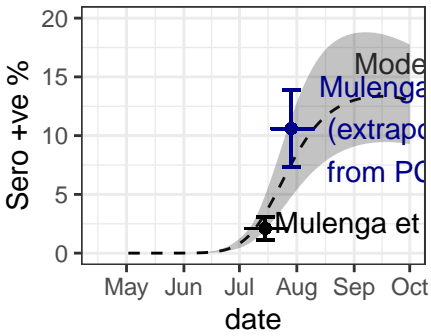
COVID-19 positive tests by age  
(UTH mortuary)



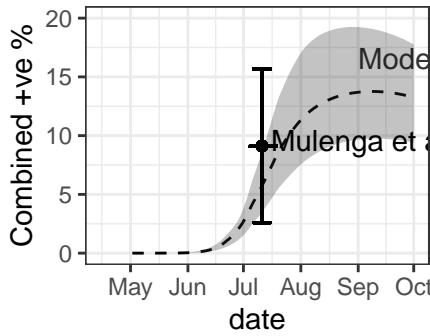
PCR prevalence  
binom II = -24 1



Seroprevalence  
binom II = -13 1

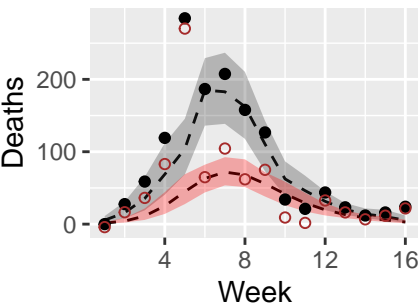


Combined prevalence  
binom II = -7 1

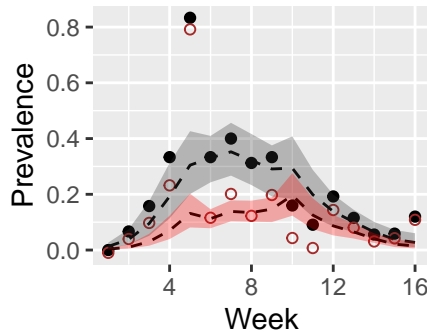


IFR x 0.2, Slope x 0.8

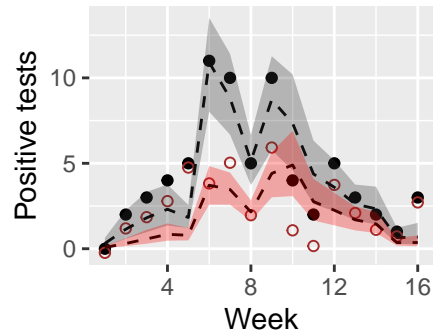
COVID-19 weekly deaths  
(Lusaka)  
nbins II = -34 1



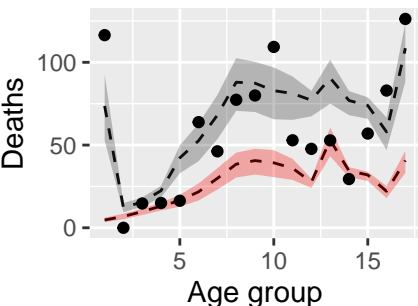
COVID-19 weekly prevalence  
(UTH mortuary)



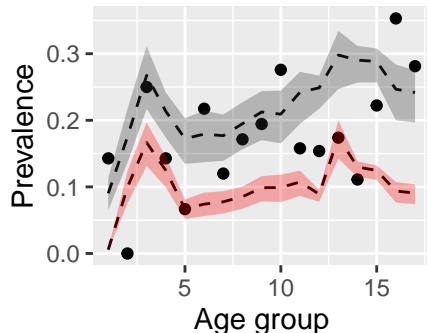
COVID-19 weekly positive tests  
(UTH mortuary)



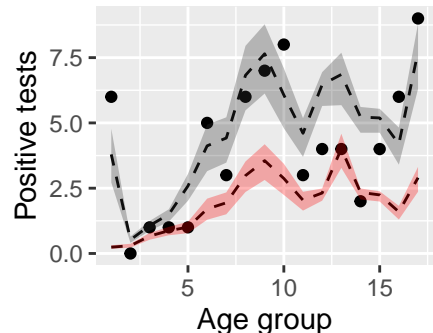
COVID-19 deaths by age  
(Lusaka)  
multinom II = -27.8



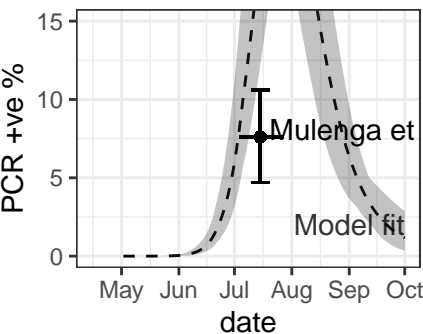
COVID-19 prevalence by age  
(UTH mortuary)



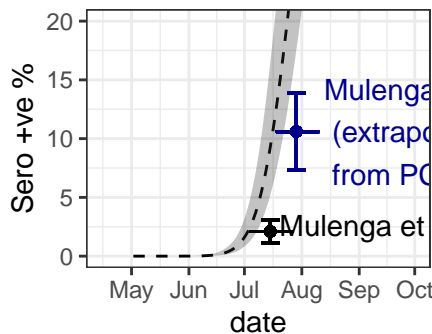
COVID-19 positive tests by age  
(UTH mortuary)



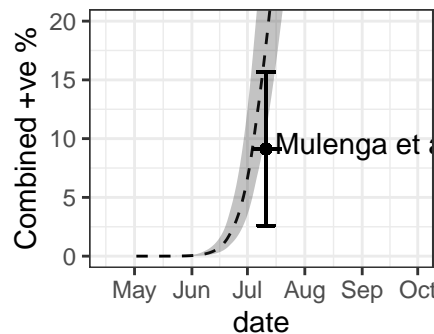
PCR prevalence  
binom II = -165 1



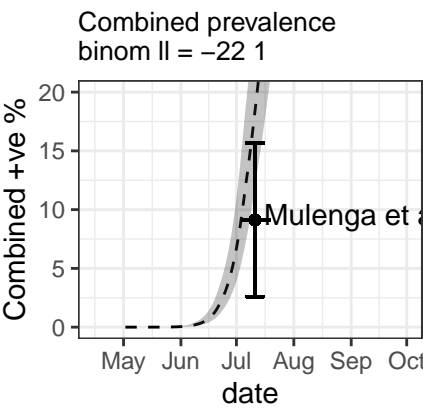
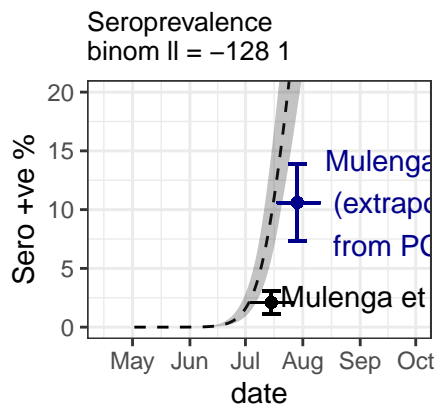
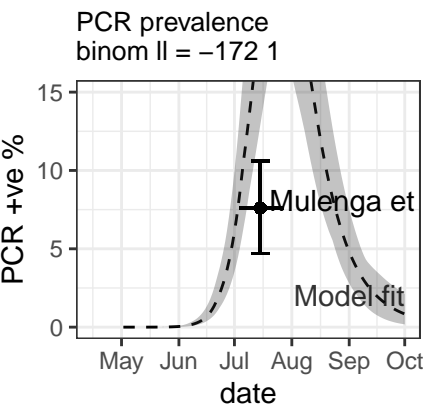
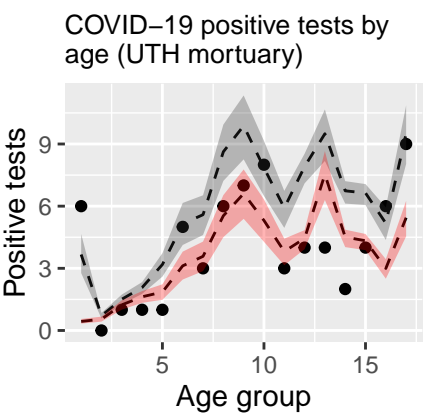
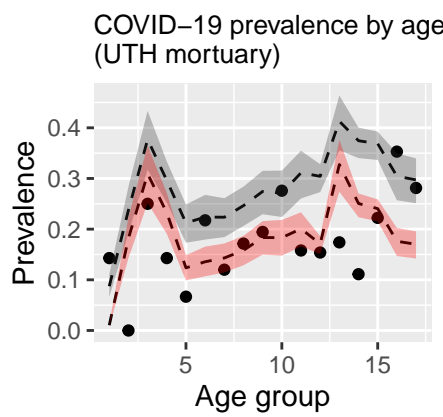
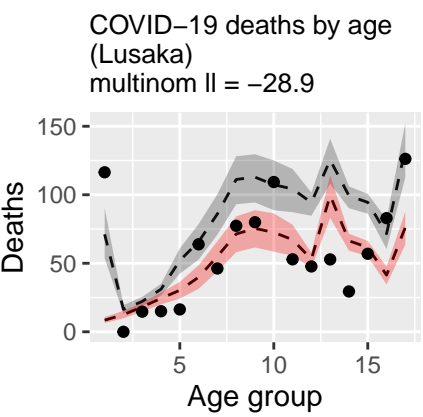
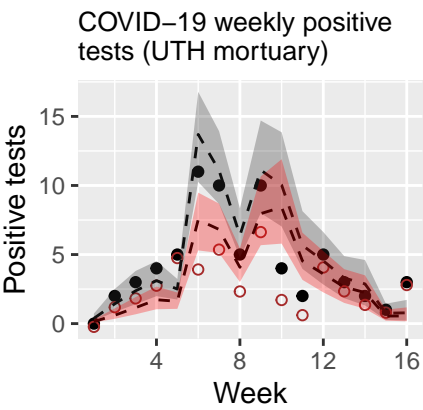
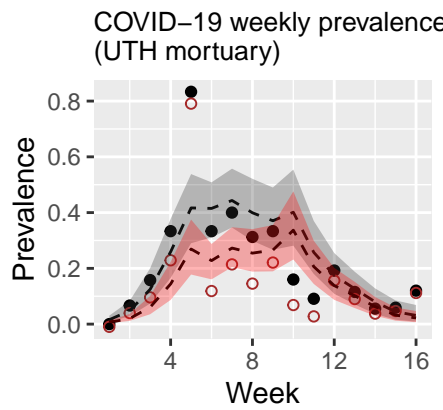
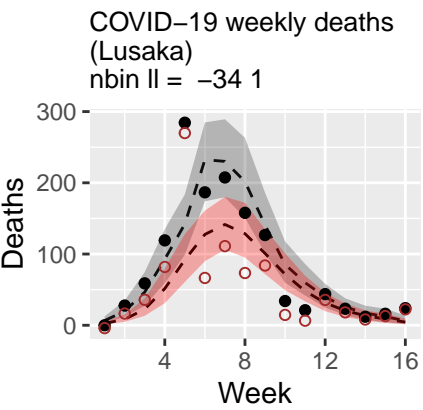
Seroprevalence  
binom II = -124 1



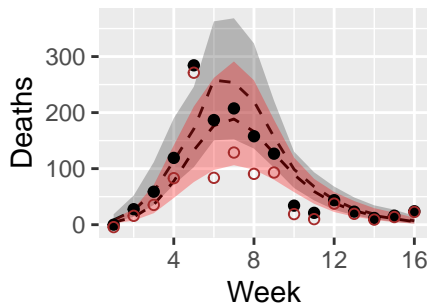
Combined prevalence  
binom II = -21 1



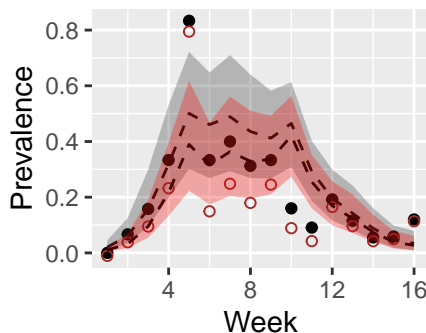




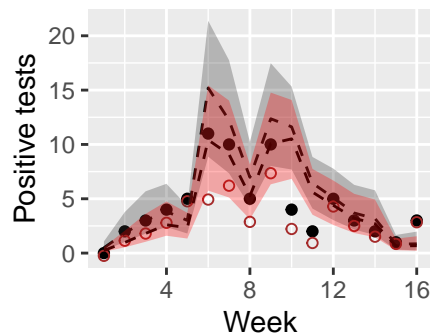
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



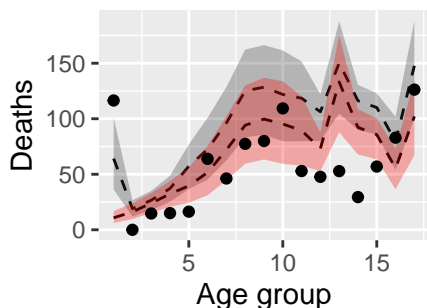
COVID-19 weekly prevalence  
(UTH mortuary)



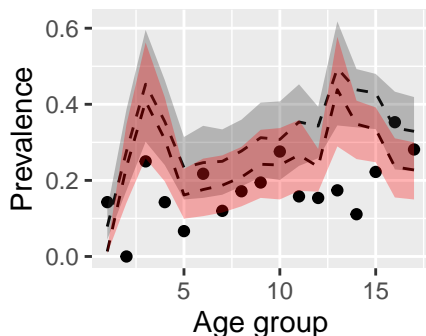
COVID-19 weekly positive tests  
(UTH mortuary)



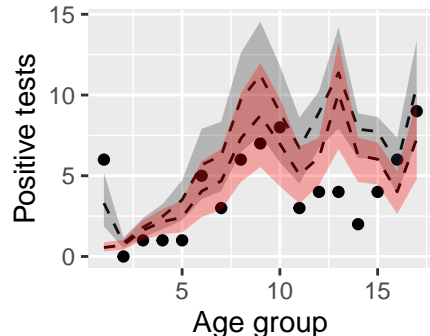
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30.3



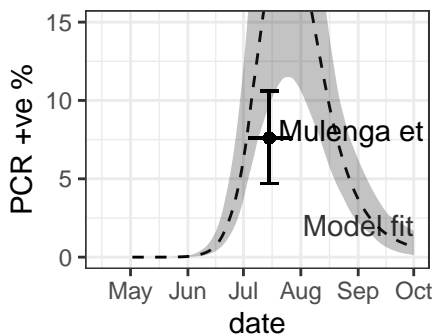
COVID-19 prevalence by age  
(UTH mortuary)



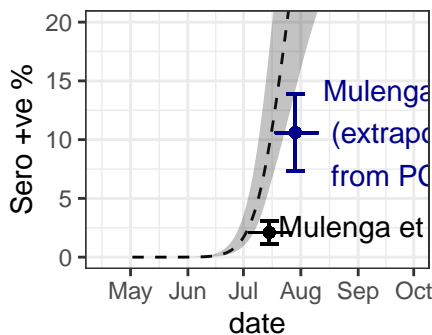
COVID-19 positive tests by  
age (UTH mortuary)



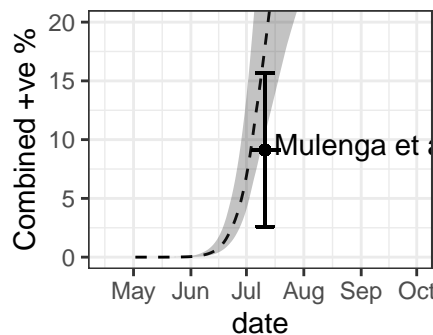
PCR prevalence  
binom II = -151 1



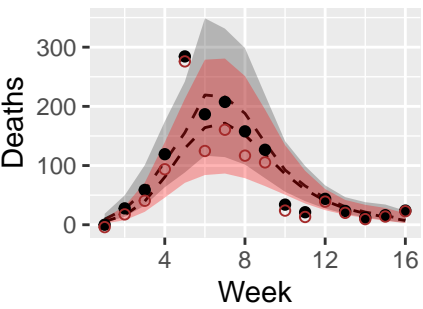
Seroprevalence  
binom II = -130 1



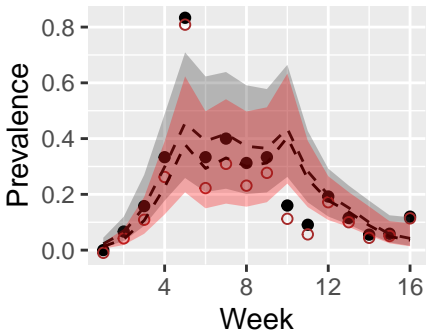
Combined prevalence  
binom II = -20 1



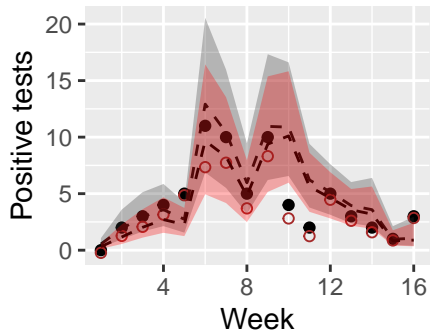
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



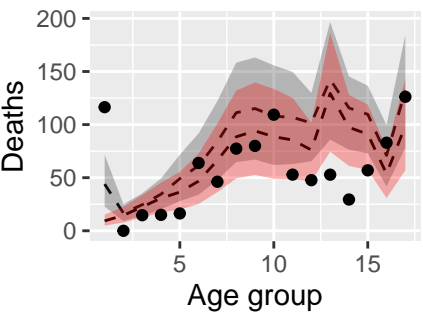
COVID-19 weekly prevalence  
(UTH mortuary)



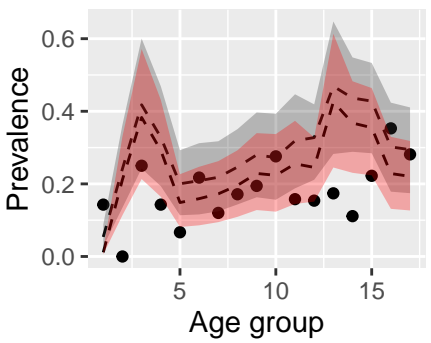
COVID-19 weekly positive tests  
(UTH mortuary)



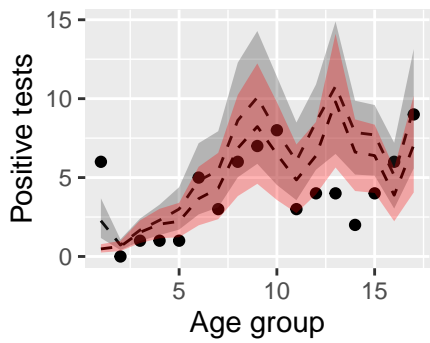
COVID-19 deaths by age  
(Lusaka)  
multinom II = -32.2



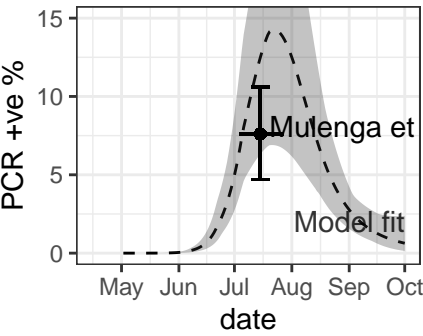
COVID-19 prevalence by age  
(UTH mortuary)



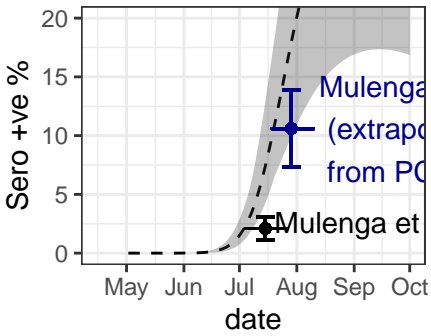
COVID-19 positive tests by age  
(UTH mortuary)



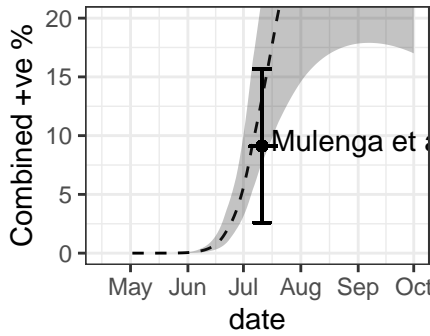
PCR prevalence  
binom II = -50 1



Seroprevalence  
binom II = -83 1

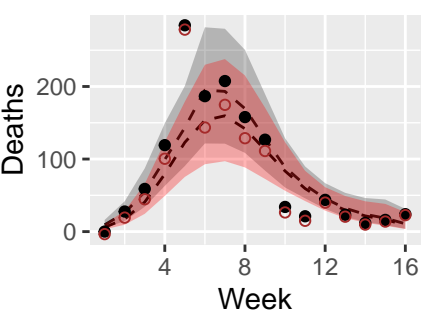


Combined prevalence  
binom II = -10 1

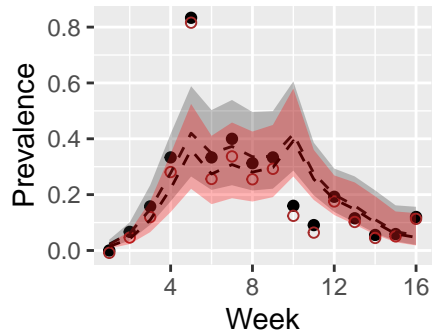


IFR x 1, Slope x 0.8

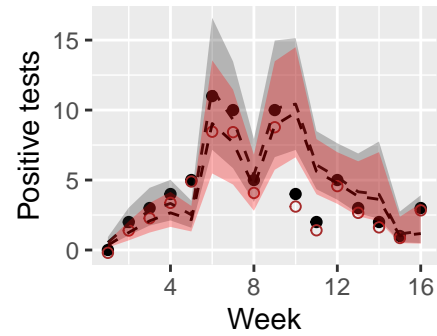
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



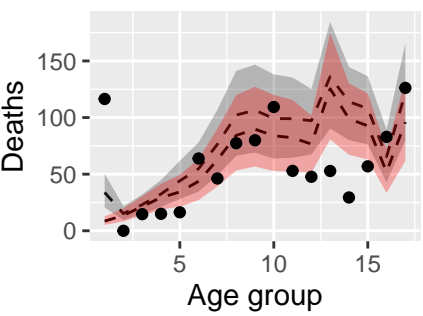
COVID-19 weekly prevalence  
(UTH mortuary)



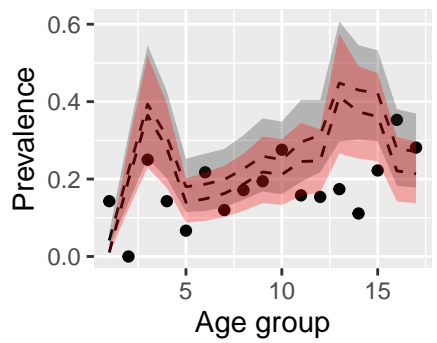
COVID-19 weekly positive tests  
(UTH mortuary)



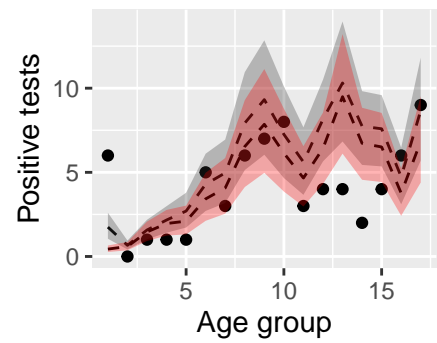
COVID-19 deaths by age  
(Lusaka)  
multinom II = -33.5



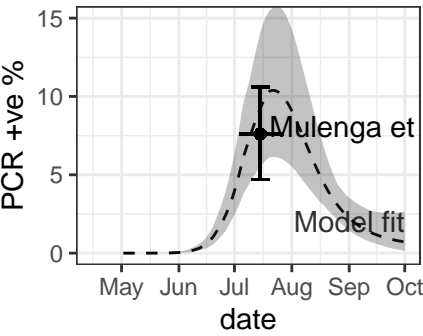
COVID-19 prevalence by age  
(UTH mortuary)



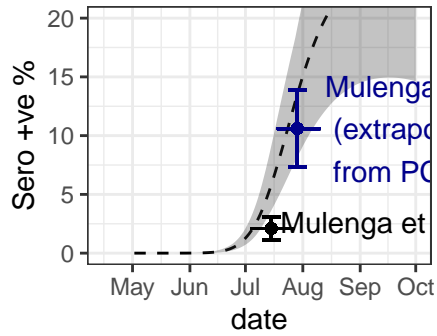
COVID-19 positive tests by age  
(UTH mortuary)



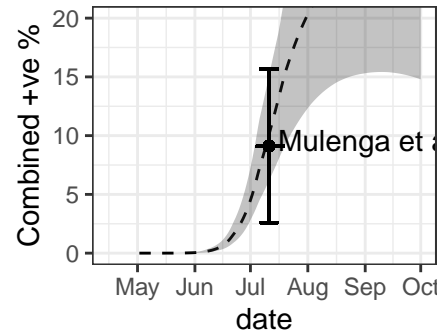
PCR prevalence  
binom II = -14 1



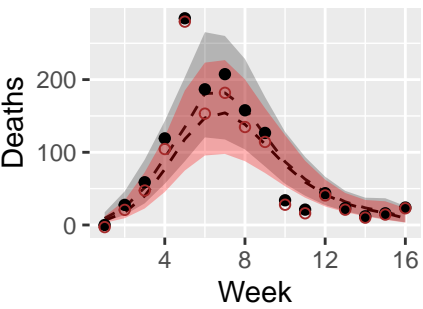
Seroprevalence  
binom II = -50 1



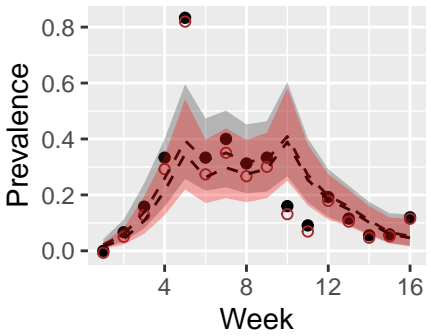
Combined prevalence  
binom II = -6 1



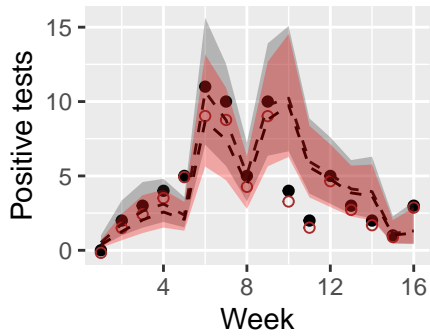
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



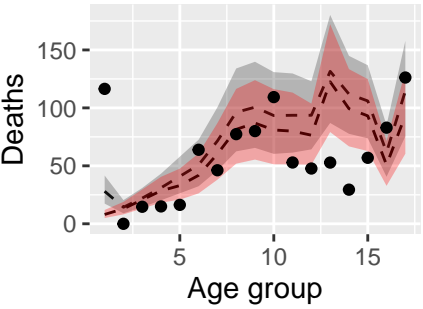
COVID-19 weekly prevalence  
(UTH mortuary)



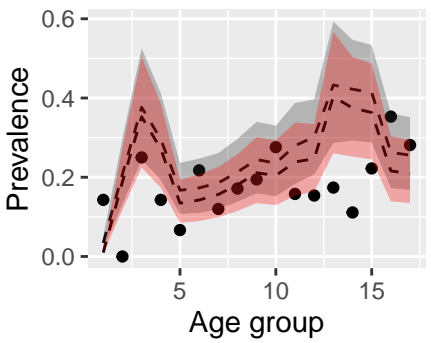
COVID-19 weekly positive tests  
(UTH mortuary)



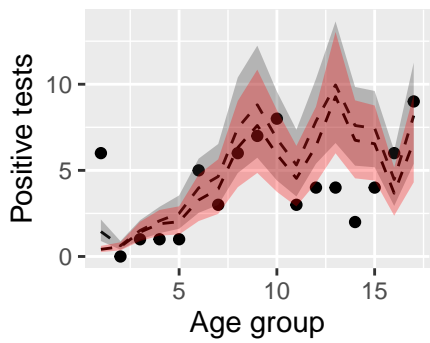
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.5



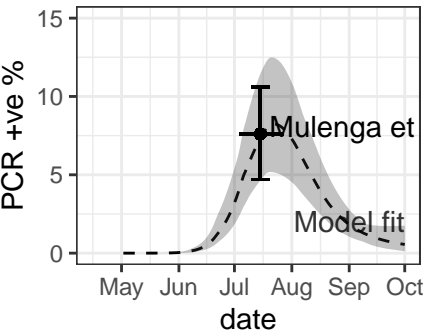
COVID-19 prevalence by age  
(UTH mortuary)



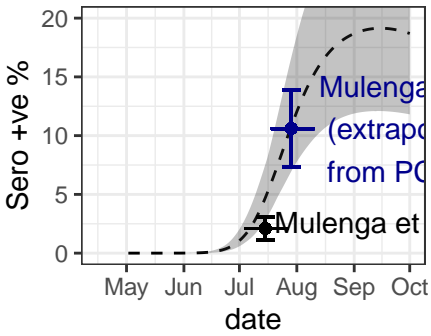
COVID-19 positive tests by age  
(UTH mortuary)



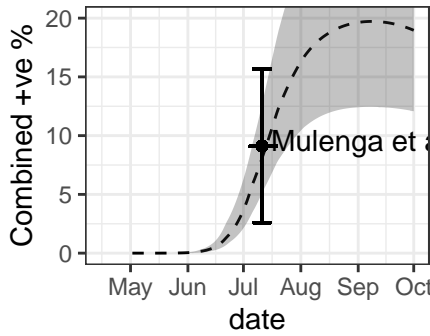
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -31 1

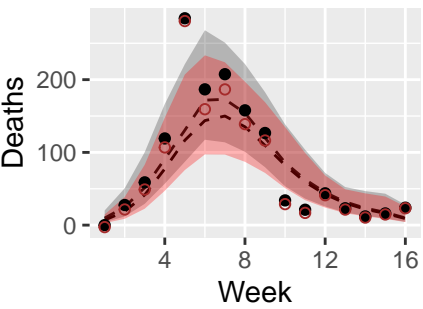


Combined prevalence  
binom II = -5 1

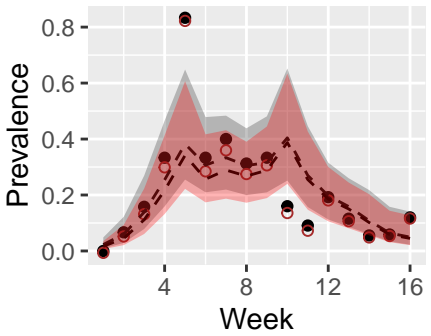


IFR x 1.4, Slope x 0.8

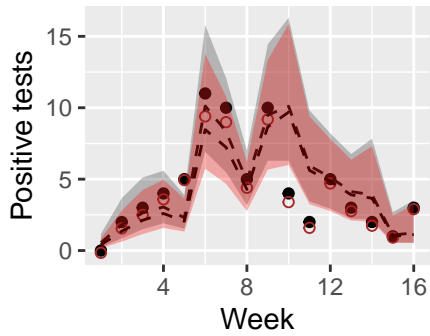
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



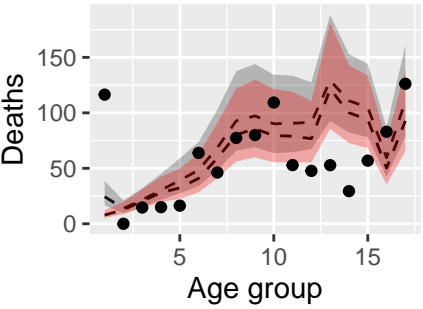
COVID-19 weekly prevalence  
(UTH mortuary)



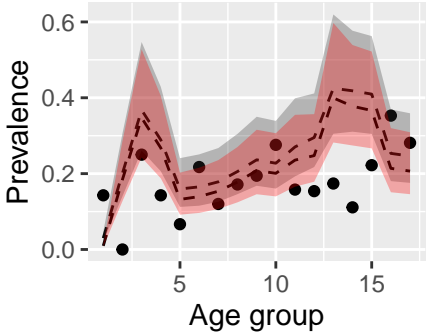
COVID-19 weekly positive tests  
(UTH mortuary)



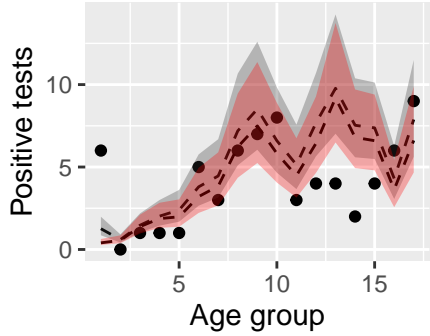
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.3



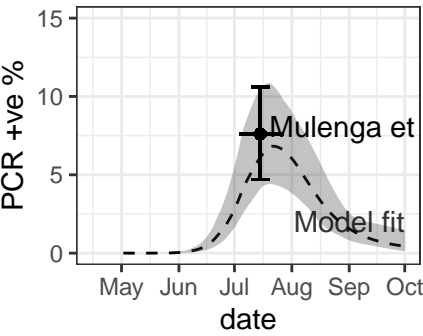
COVID-19 prevalence by age  
(UTH mortuary)



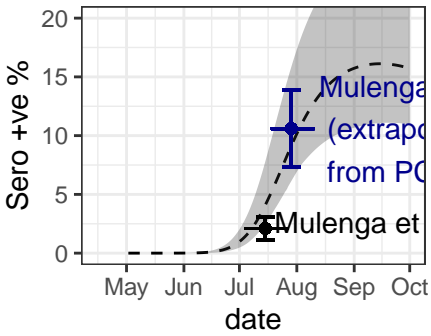
COVID-19 positive tests by age  
(UTH mortuary)



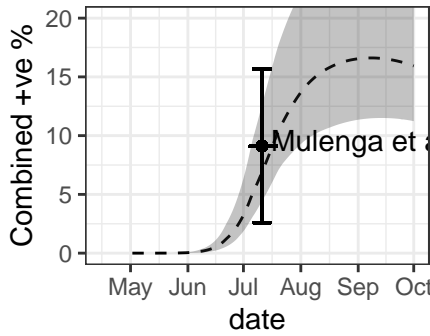
PCR prevalence  
binom II = -13 1



Seroprevalence  
binom II = -22 1

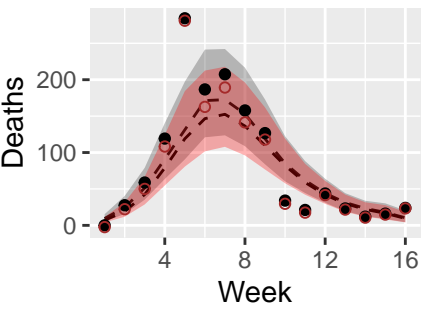


Combined prevalence  
binom II = -6 1

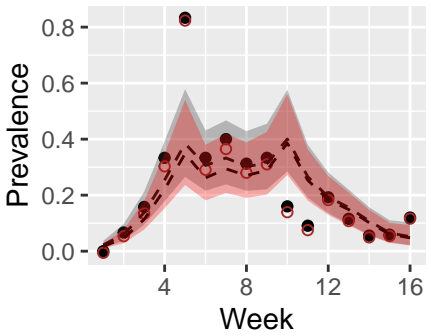


IFR x 1.6, Slope x 0.8

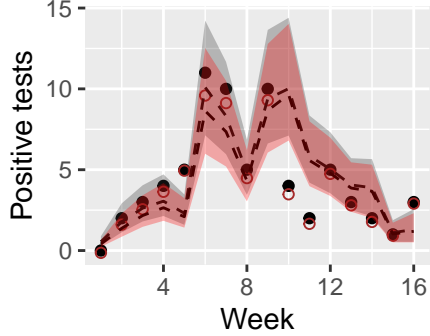
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



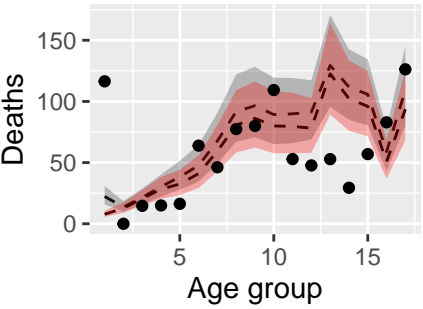
COVID-19 weekly prevalence  
(UTH mortuary)



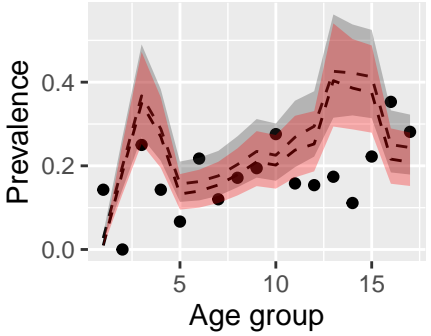
COVID-19 weekly positive tests  
(UTH mortuary)



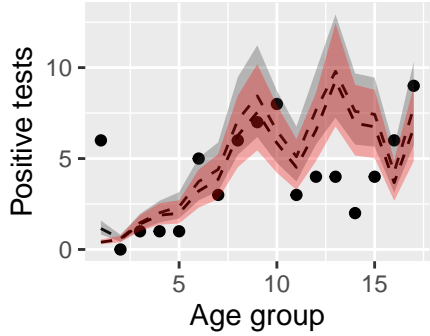
COVID-19 deaths by age  
(Lusaka)  
multinom II = -35.9



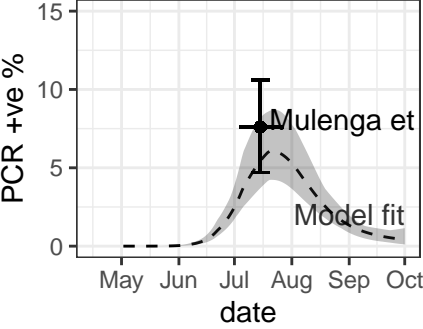
COVID-19 prevalence by age  
(UTH mortuary)



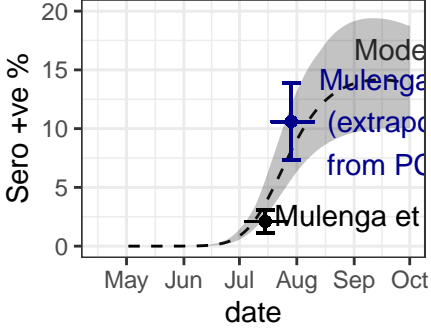
COVID-19 positive tests by age  
(UTH mortuary)



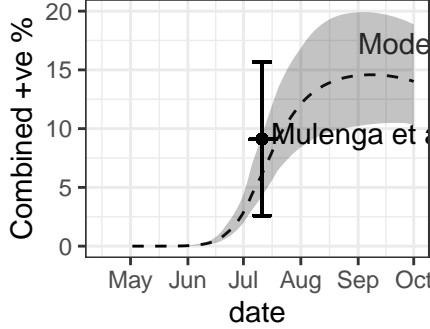
PCR prevalence  
binom II = -19 1



Seroprevalence  
binom II = -15 1

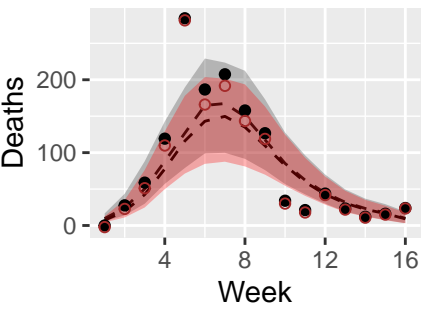


Combined prevalence  
binom II = -7 1

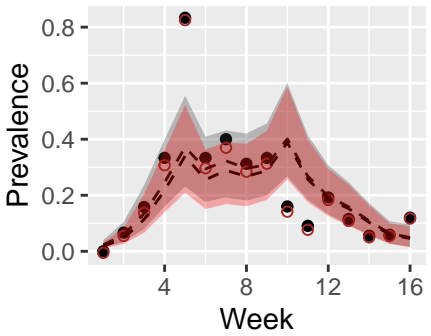


IFR x 1.8, Slope x 0.8

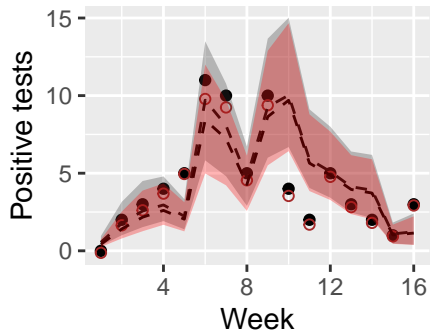
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



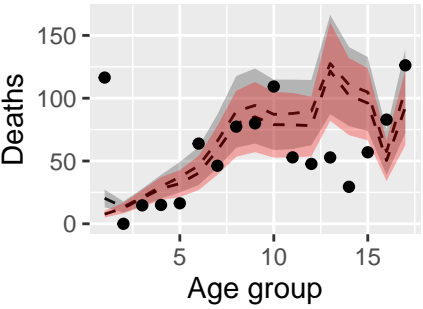
COVID-19 weekly prevalence  
(UTH mortuary)



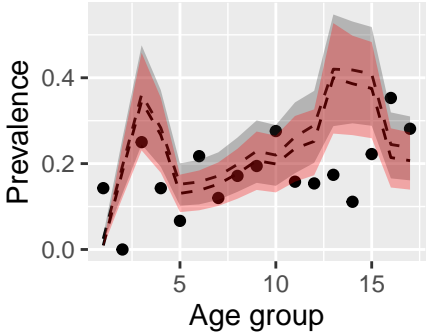
COVID-19 weekly positive tests  
(UTH mortuary)



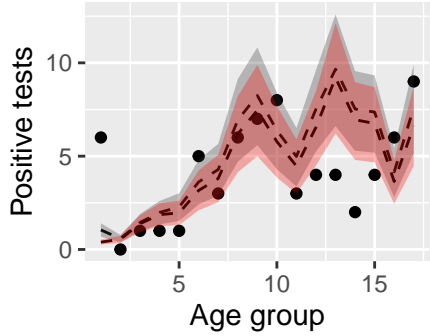
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.4



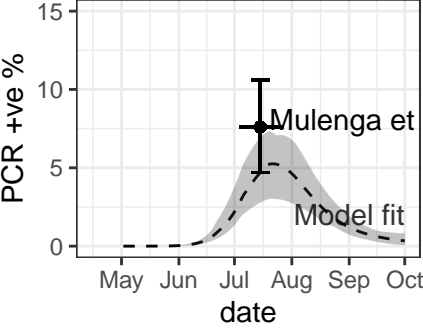
COVID-19 prevalence by age  
(UTH mortuary)



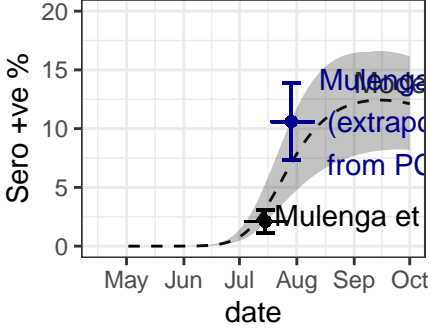
COVID-19 positive tests by age  
(UTH mortuary)



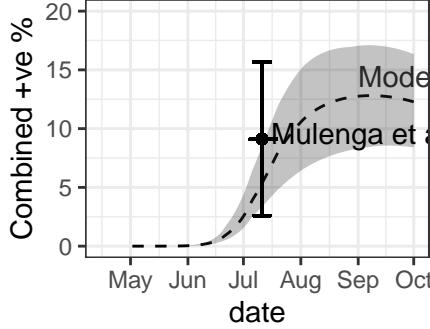
PCR prevalence  
binom II = -31 1



Seroprevalence  
binom II = -10 1



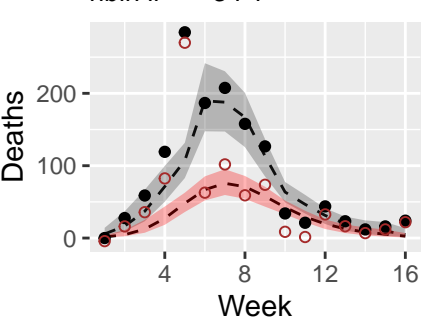
Combined prevalence  
binom II = -8 1



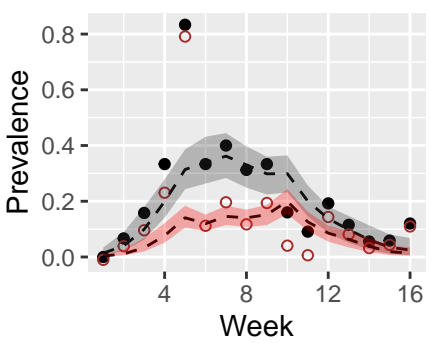


IFR x 0.2, Slope x 1

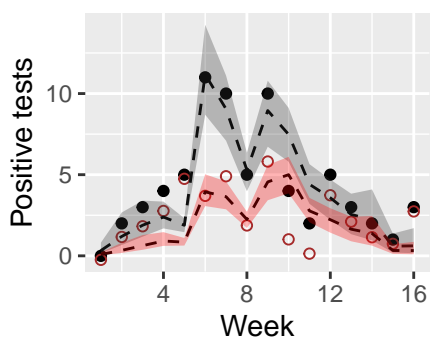
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



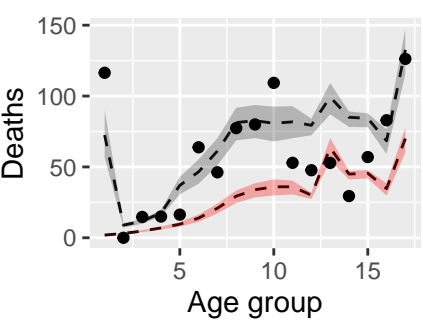
COVID-19 weekly prevalence  
(UTH mortuary)



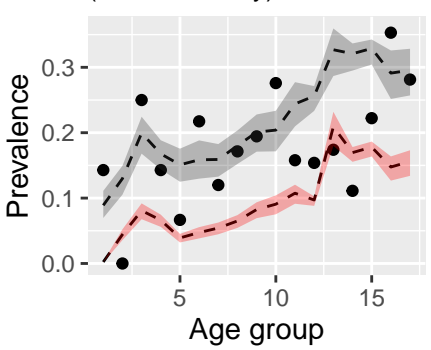
COVID-19 weekly positive tests  
(UTH mortuary)



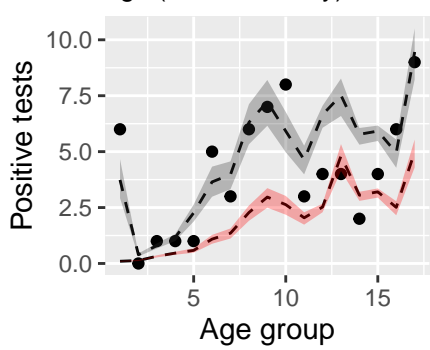
COVID-19 deaths by age  
(Lusaka)  
multinom = 27.8



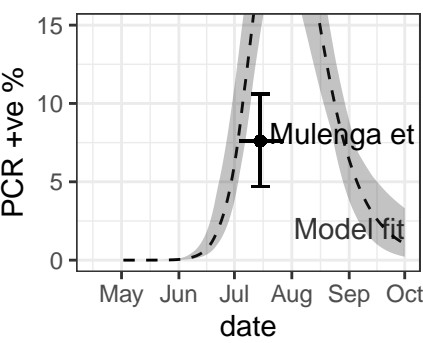
COVID-19 prevalence by age  
(UTH mortuary)



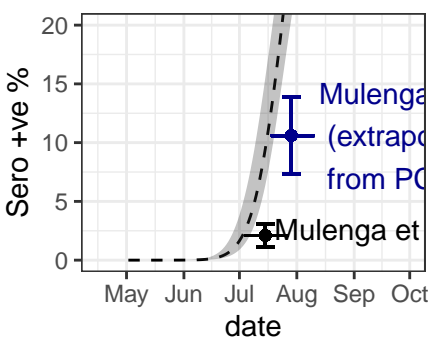
COVID-19 positive tests by age  
(UTH mortuary)



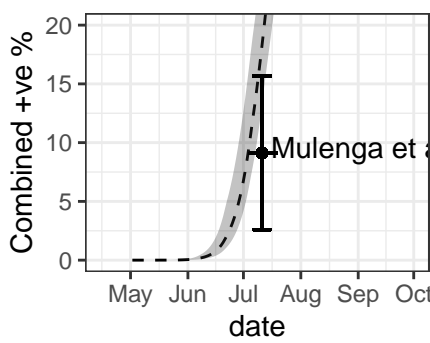
PCR prevalence  
binom = 169

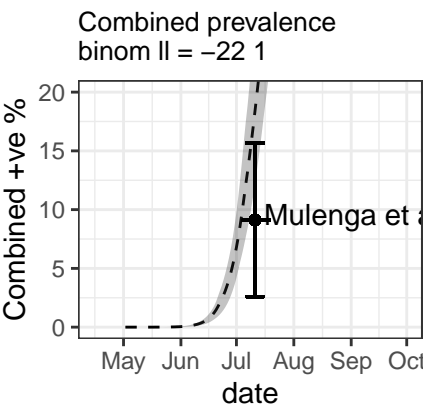
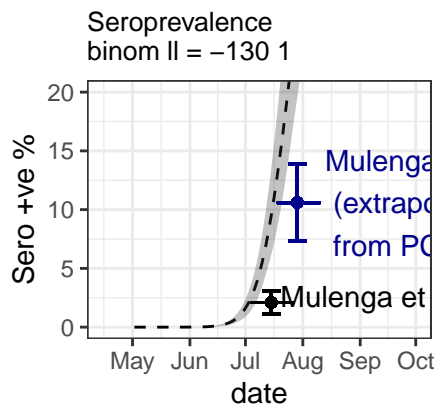
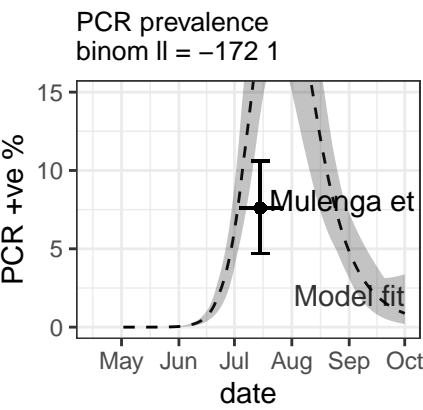
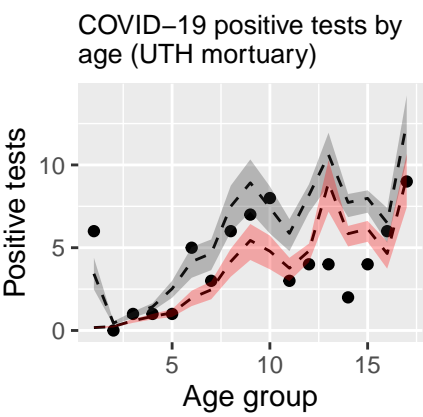
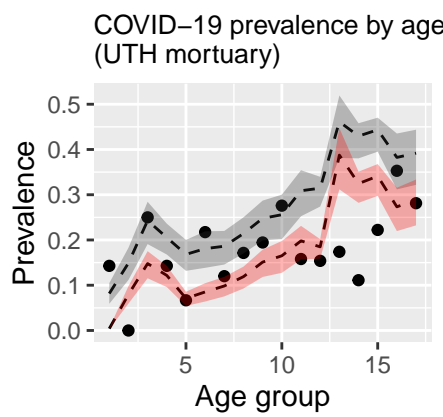
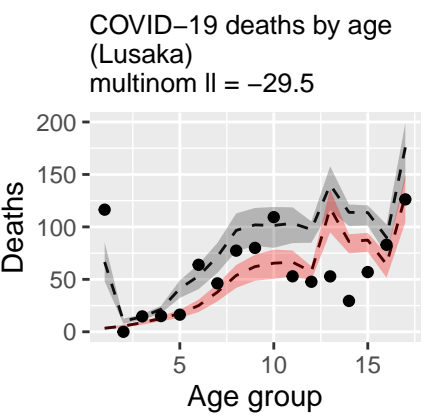
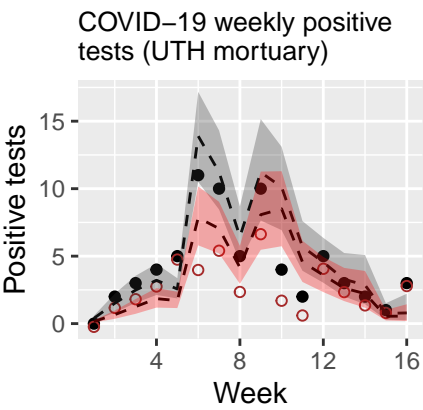
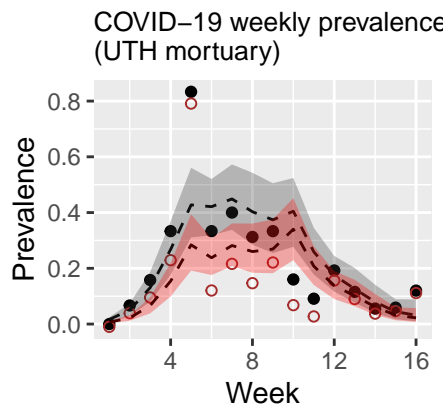
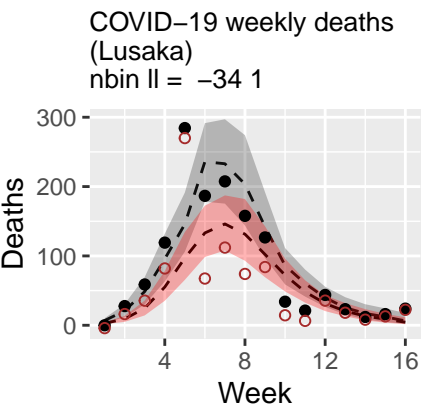


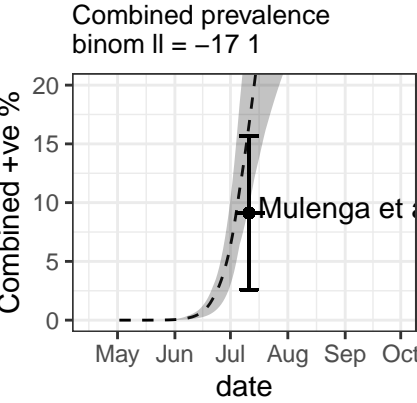
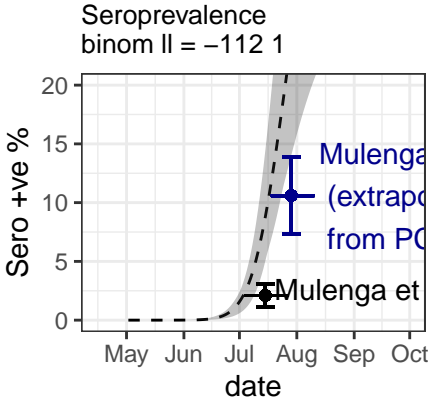
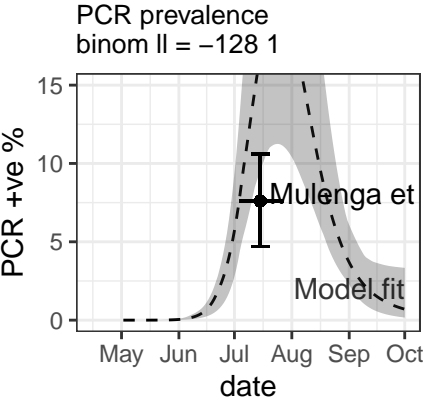
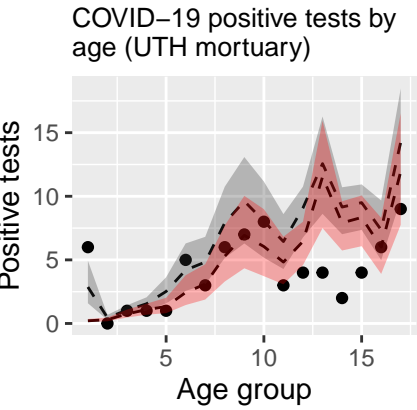
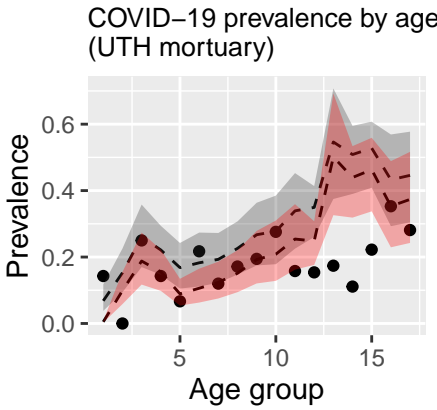
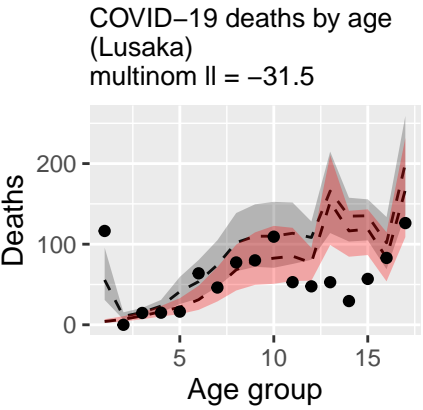
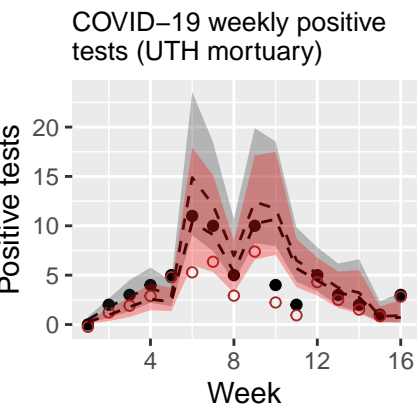
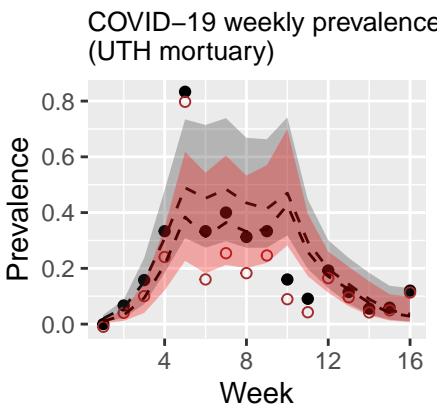
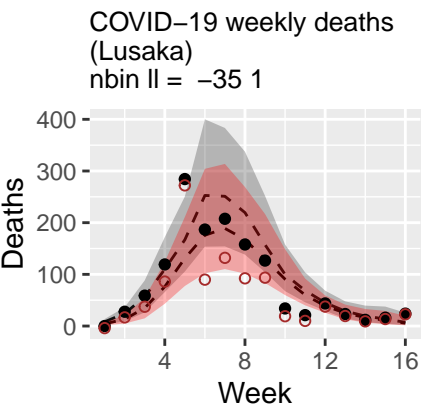
Seroprevalence  
binom = 128



Combined prevalence  
binom = 22

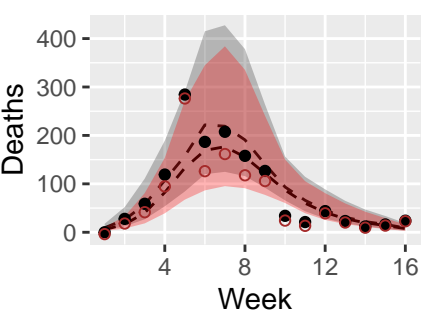




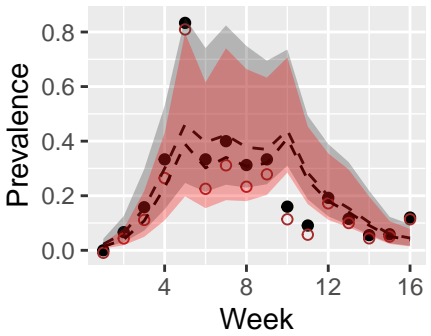


IFR x 0.8, Slope x 1

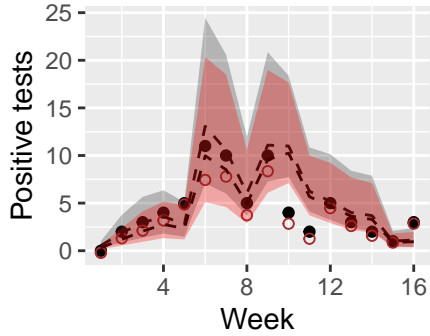
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



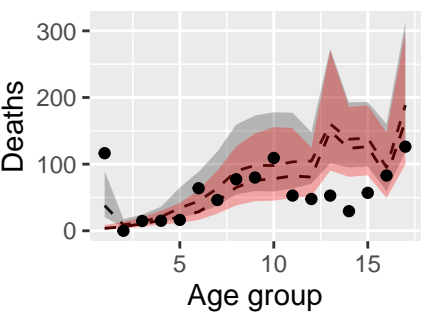
COVID-19 weekly prevalence  
(UTH mortuary)



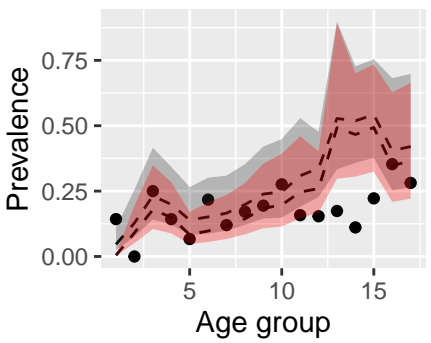
COVID-19 weekly positive tests  
(UTH mortuary)



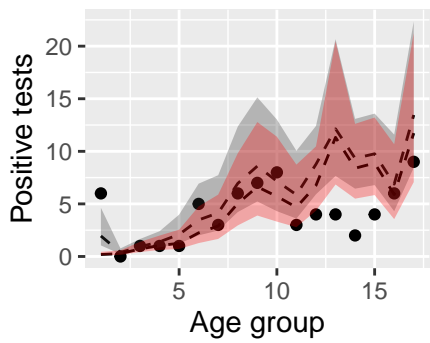
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.2



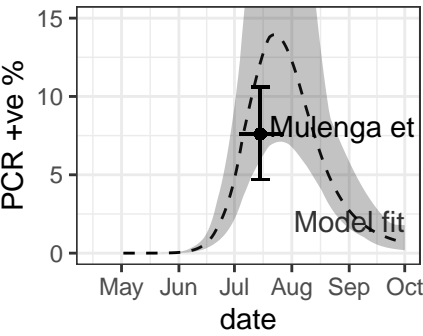
COVID-19 prevalence by age  
(UTH mortuary)



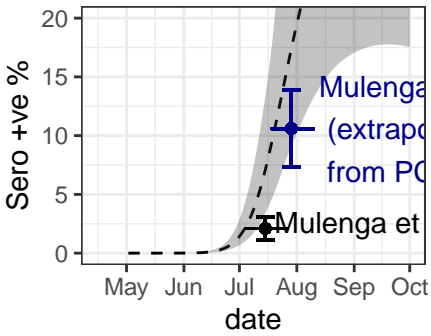
COVID-19 positive tests by age  
(UTH mortuary)



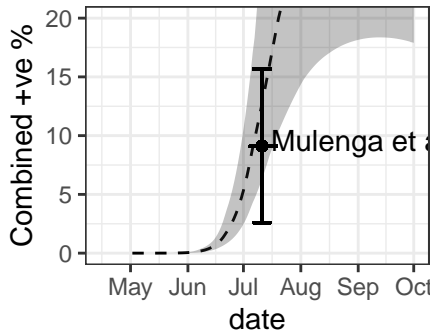
PCR prevalence  
binom II = -48 1



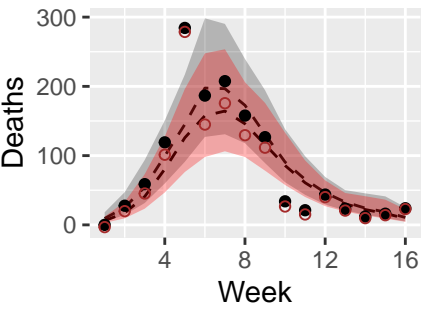
Seroprevalence  
binom II = -76 1



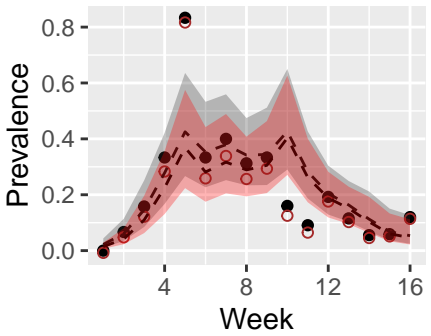
Combined prevalence  
binom II = -9 1



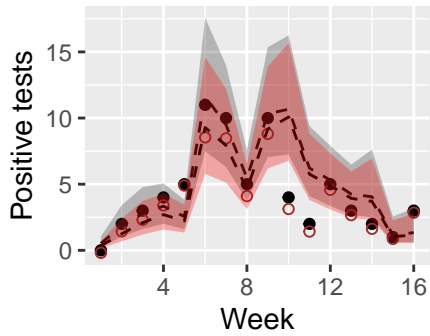
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



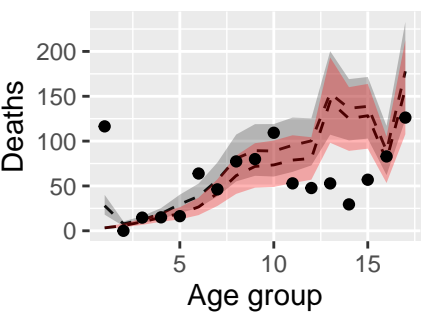
COVID-19 weekly prevalence  
(UTH mortuary)



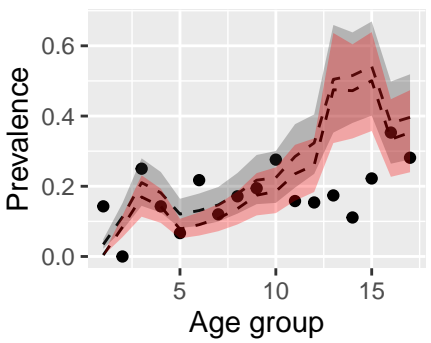
COVID-19 weekly positive tests  
(UTH mortuary)



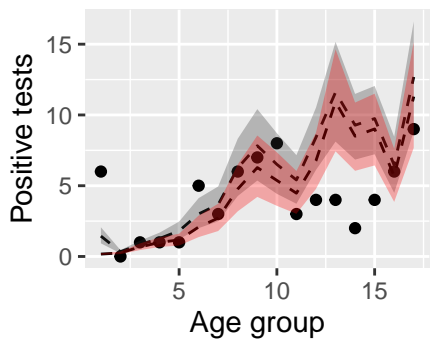
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.2



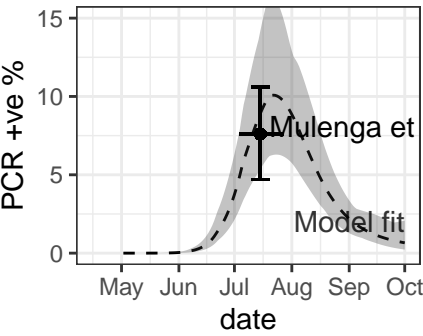
COVID-19 prevalence by age  
(UTH mortuary)



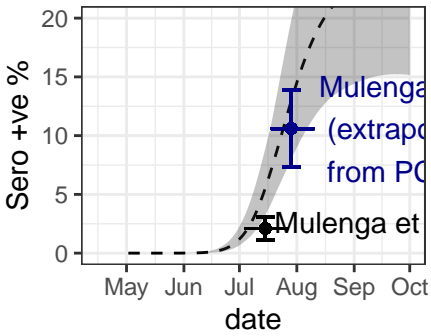
COVID-19 positive tests by age  
(UTH mortuary)



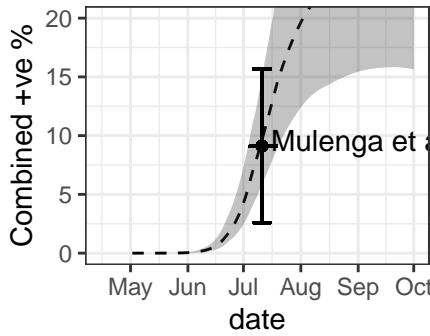
PCR prevalence  
binom II = -12 1

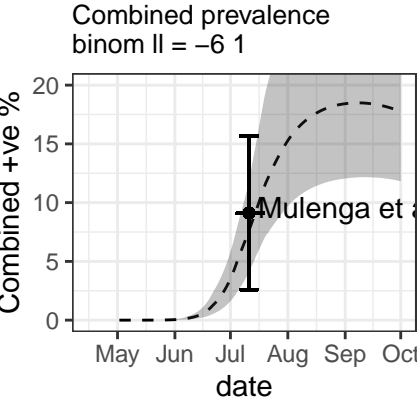
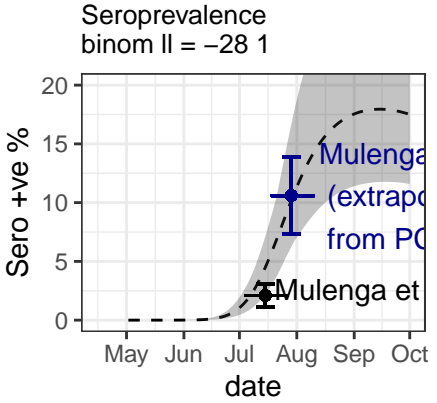
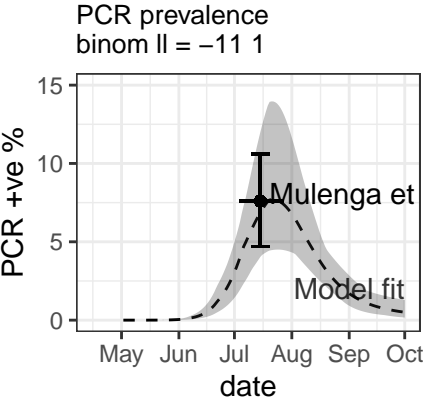
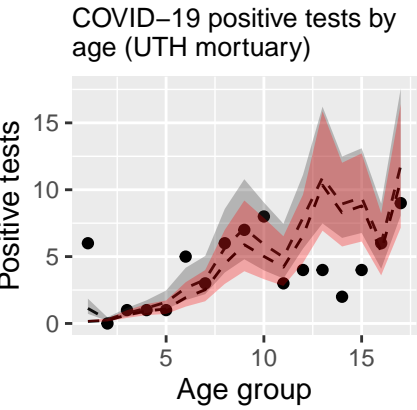
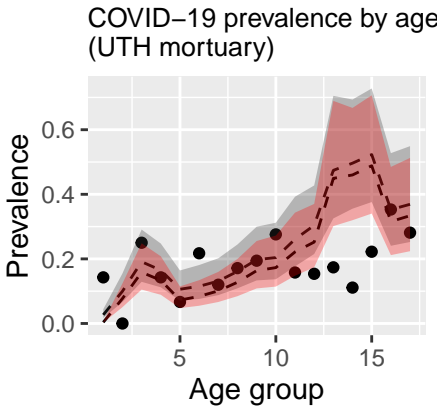
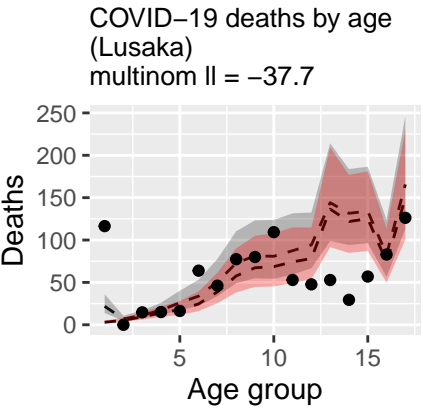
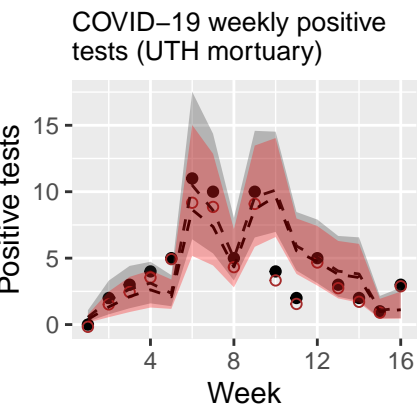
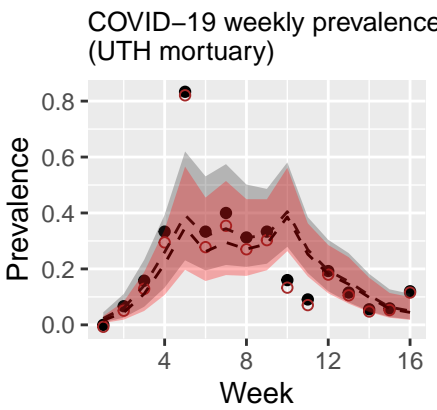
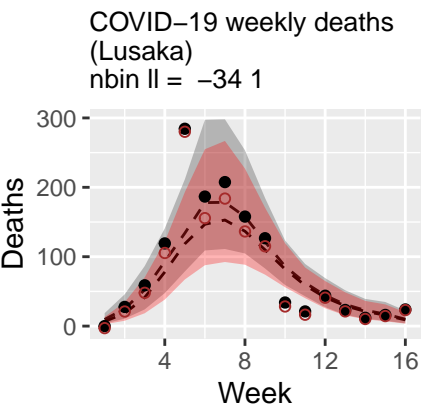


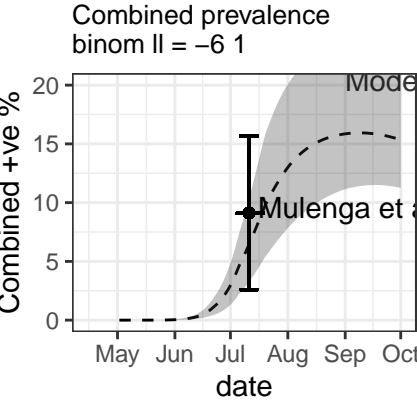
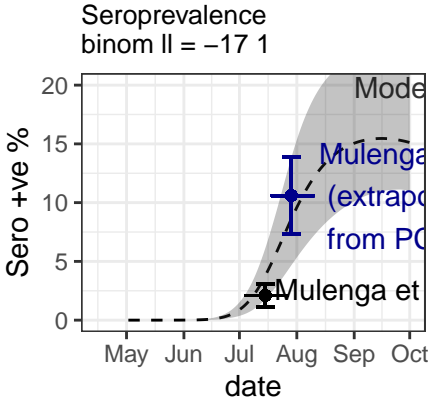
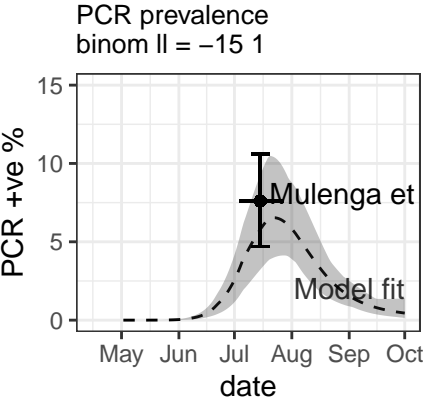
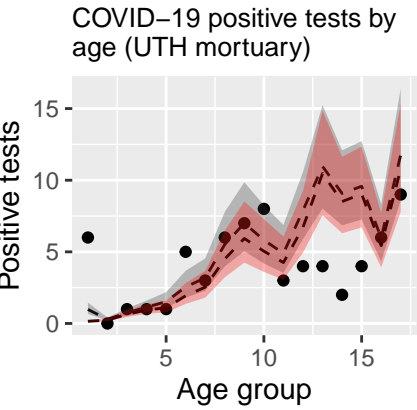
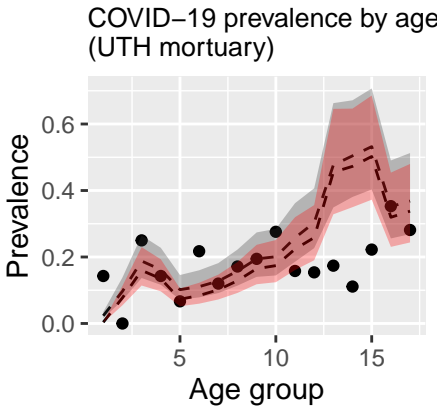
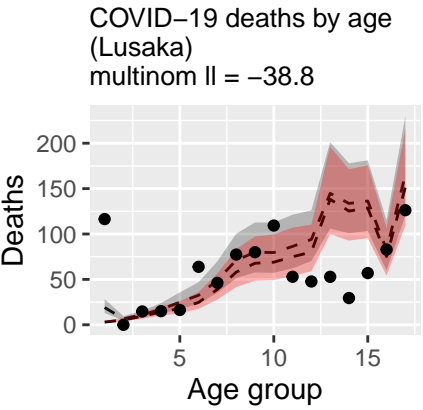
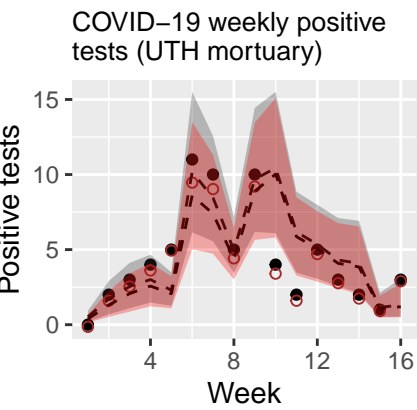
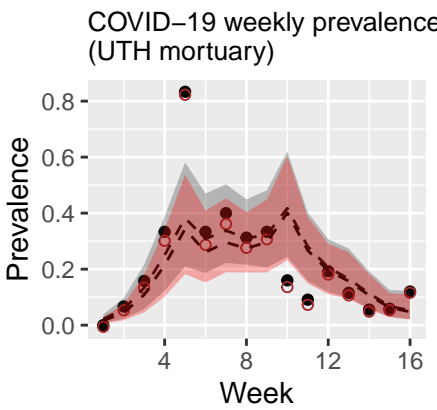
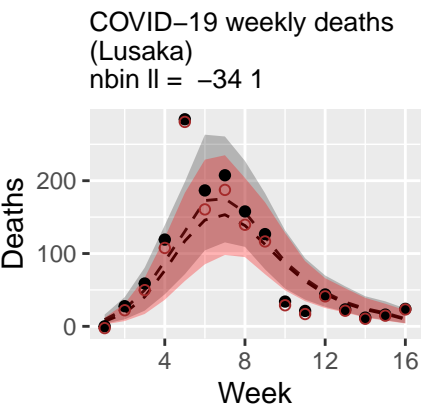
Seroprevalence  
binom II = -45 1



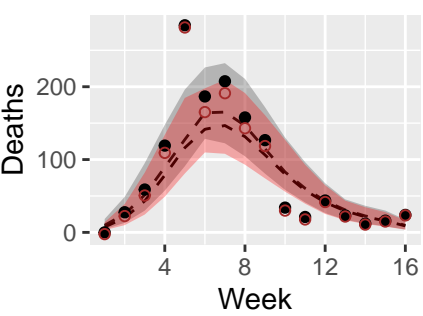
Combined prevalence  
binom II = -6 1



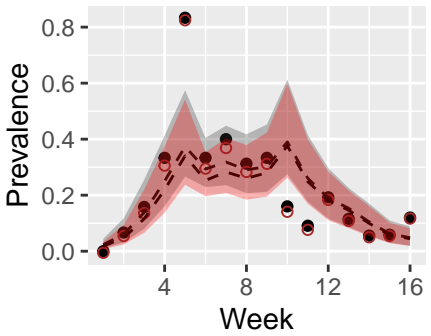




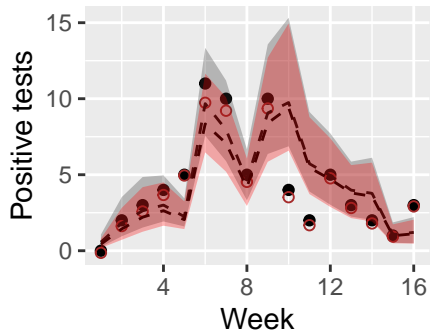
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



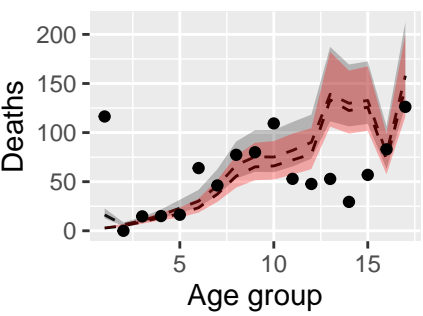
COVID-19 weekly prevalence  
(UTH mortuary)



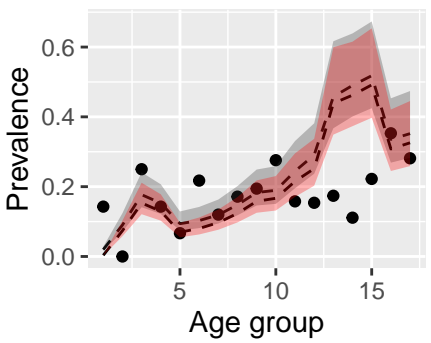
COVID-19 weekly positive tests  
(UTH mortuary)



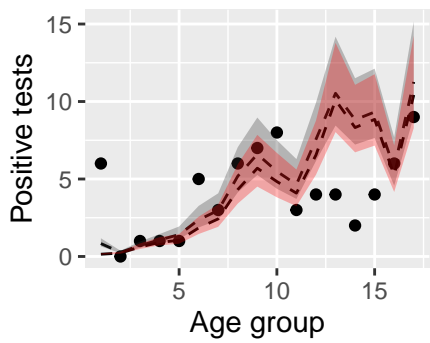
COVID-19 deaths by age  
(Lusaka)  
multinomial = -39.7



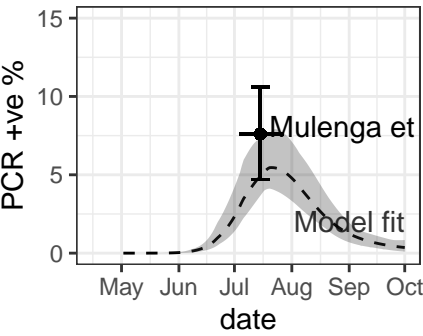
COVID-19 prevalence by age  
(UTH mortuary)



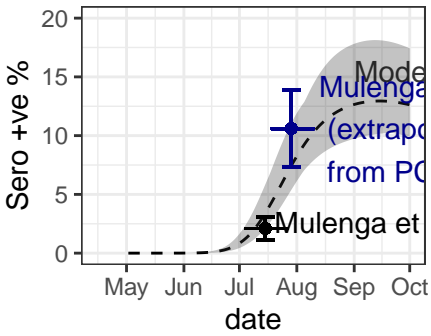
COVID-19 positive tests by age  
(UTH mortuary)



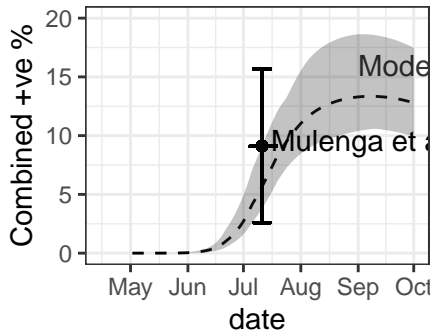
PCR prevalence  
binomial = -26



Seroprevalence  
binomial = -13

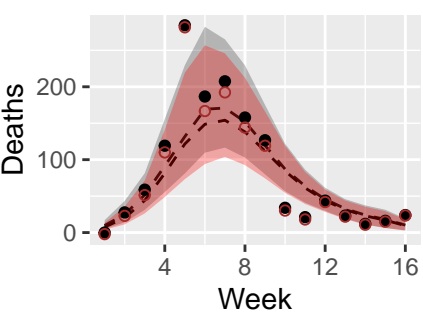


Combined prevalence  
binomial = -8

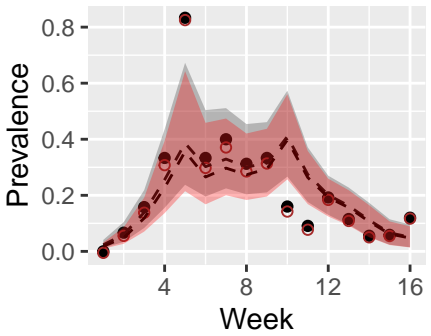




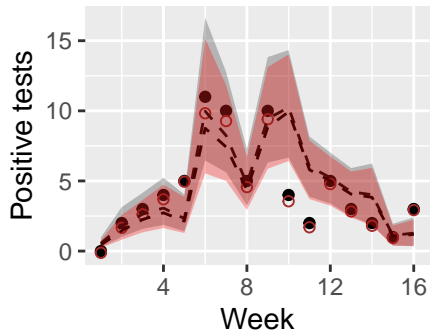
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



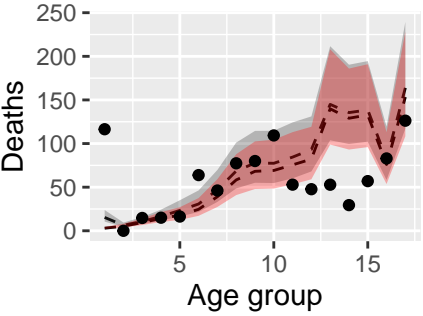
COVID-19 weekly prevalence  
(UTH mortuary)



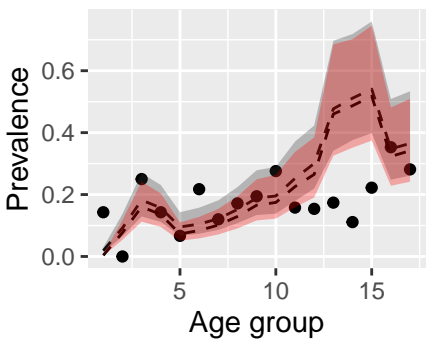
COVID-19 weekly positive tests  
(UTH mortuary)



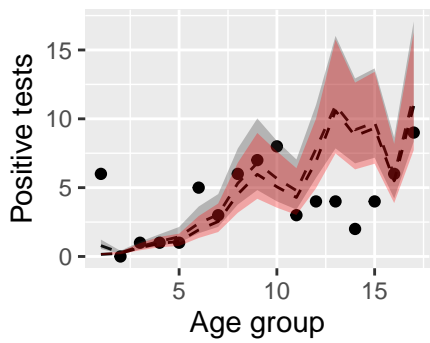
COVID-19 deaths by age  
(Lusaka)  
multinomial = -40.4



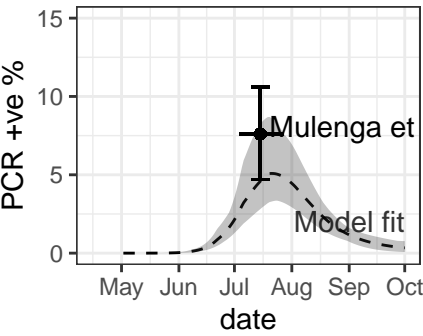
COVID-19 prevalence by age  
(UTH mortuary)



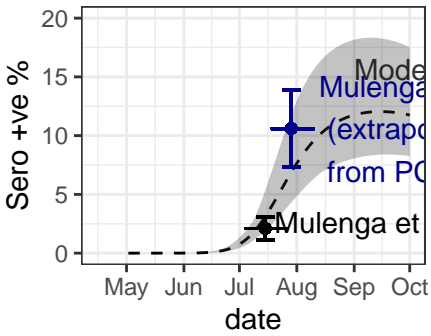
COVID-19 positive tests by age  
(UTH mortuary)



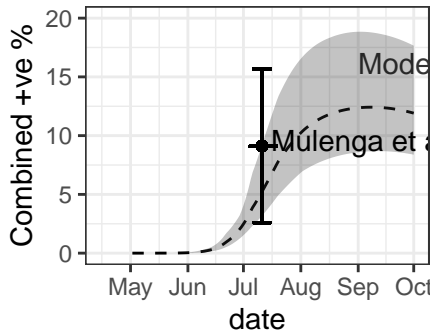
PCR prevalence  
binomial = 34



Seroprevalence  
binomial = 10

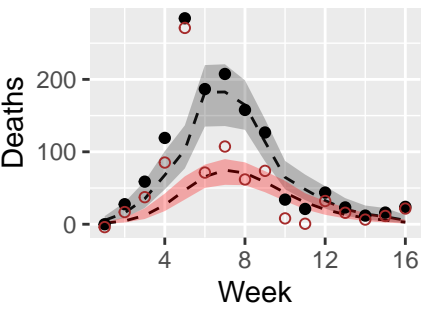


Combined prevalence  
binomial = 9

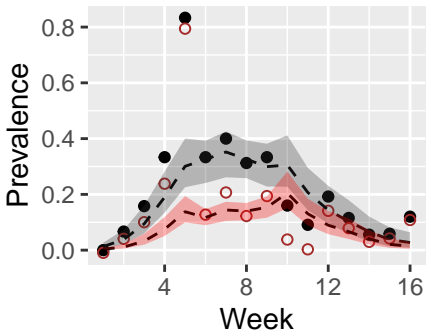


IFR x 0.2, Slope x 1.2

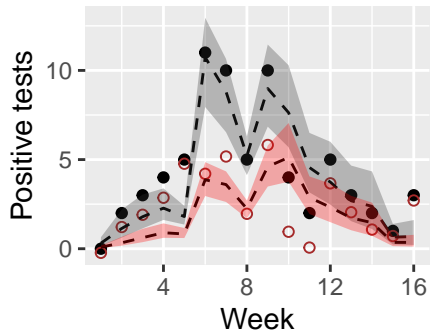
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



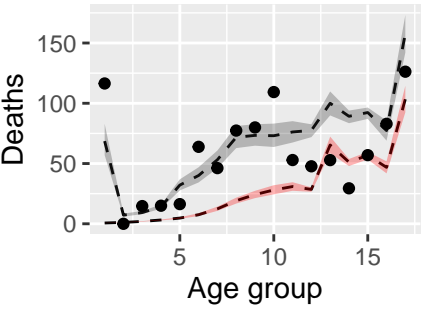
COVID-19 weekly prevalence  
(UTH mortuary)



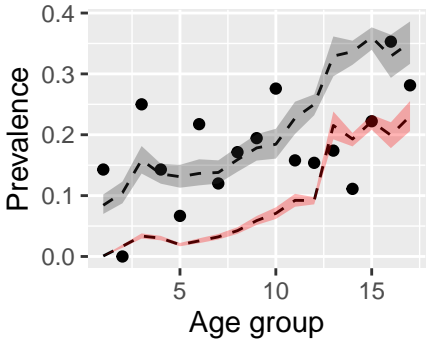
COVID-19 weekly positive tests  
(UTH mortuary)



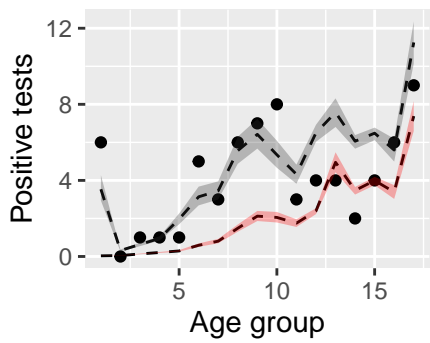
COVID-19 deaths by age  
(Lusaka)  
multinom II = -28.7



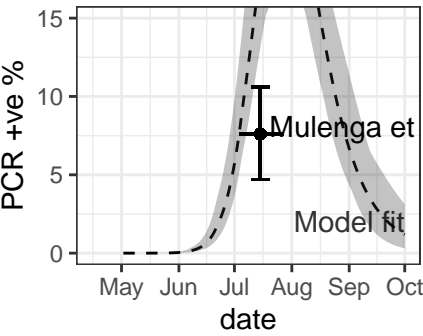
COVID-19 prevalence by age  
(UTH mortuary)



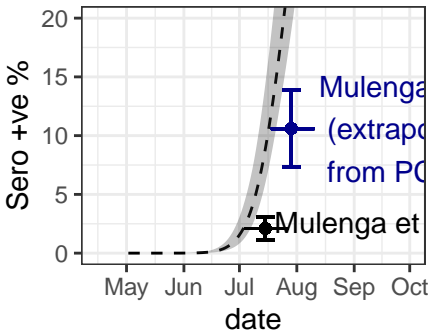
COVID-19 positive tests by age  
(UTH mortuary)



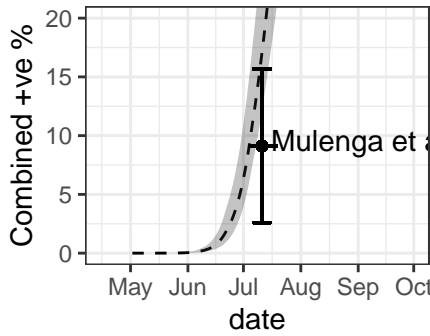
PCR prevalence  
binom II = -143 1



Seroprevalence  
binom II = -114 1

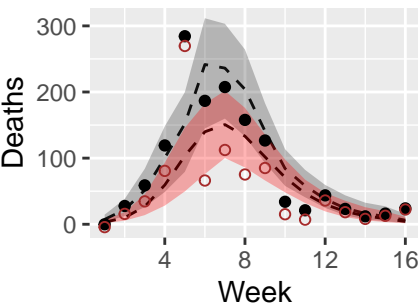


Combined prevalence  
binom II = -19 1

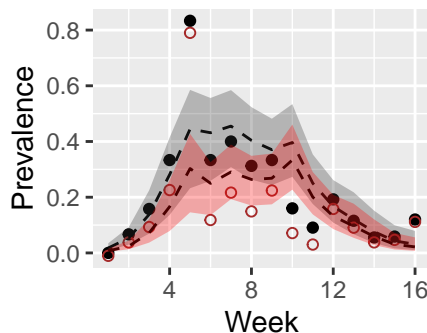


IFR x 0.4, Slope x 1.2

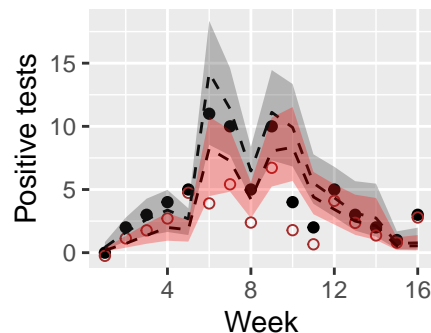
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



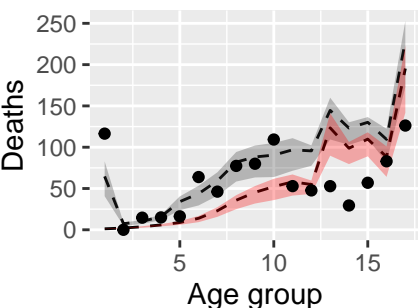
COVID-19 weekly prevalence  
(UTH mortuary)



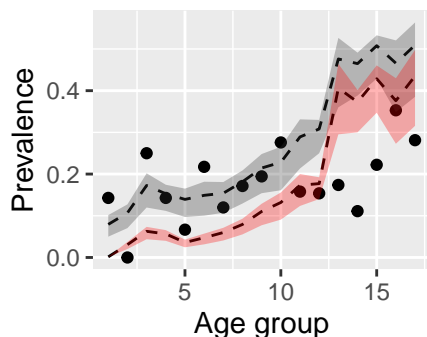
COVID-19 weekly positive tests  
(UTH mortuary)



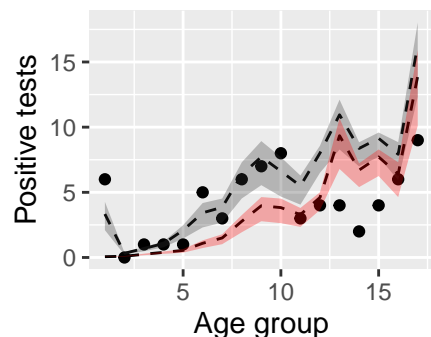
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.4



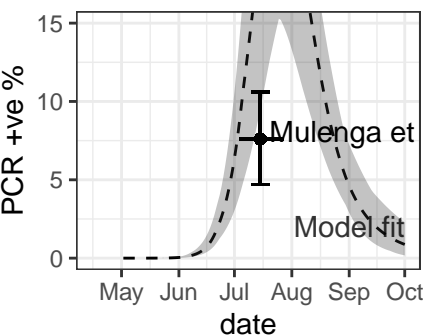
COVID-19 prevalence by age  
(UTH mortuary)



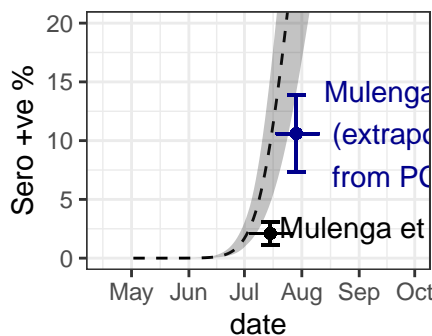
COVID-19 positive tests by age  
(UTH mortuary)



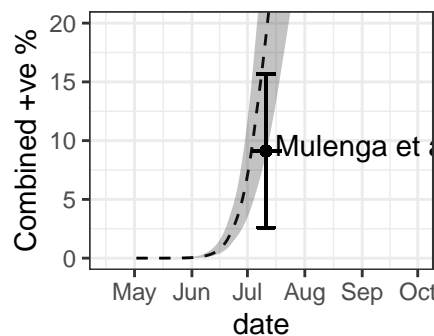
PCR prevalence  
binom II = -182 1



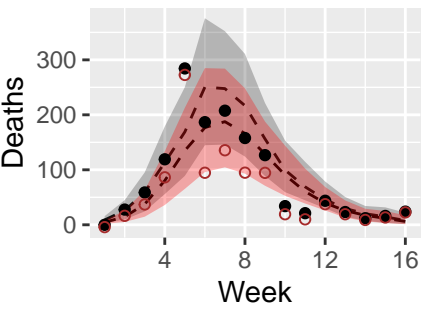
Seroprevalence  
binom II = -137 1



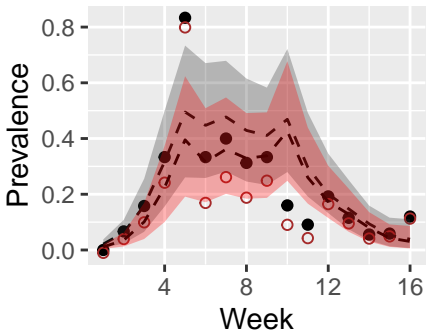
Combined prevalence  
binom II = -23 1



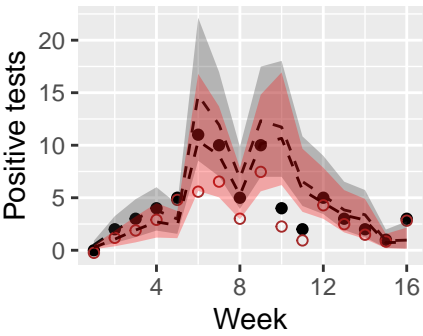
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



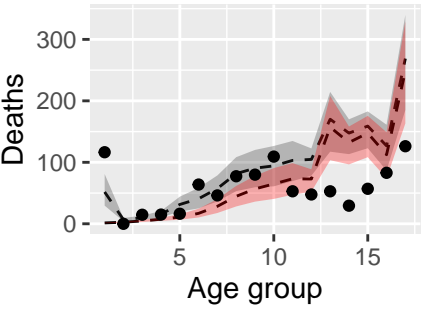
COVID-19 weekly prevalence  
(UTH mortuary)



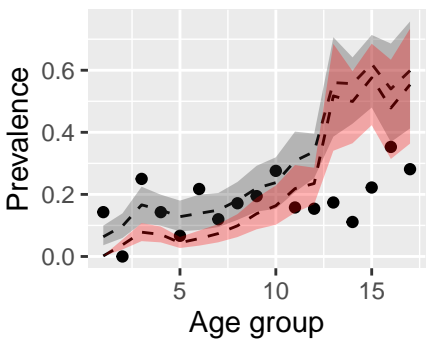
COVID-19 weekly positive tests  
(UTH mortuary)



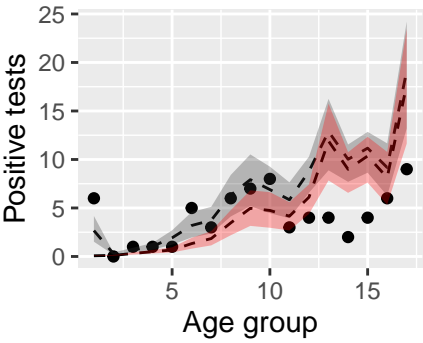
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.9



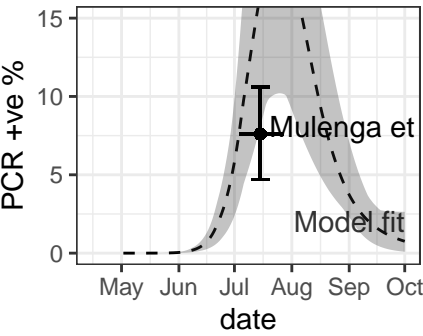
COVID-19 prevalence by age  
(UTH mortuary)



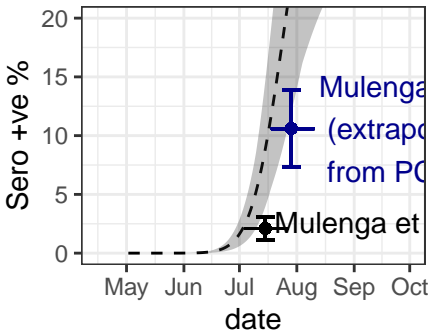
COVID-19 positive tests by age  
(UTH mortuary)



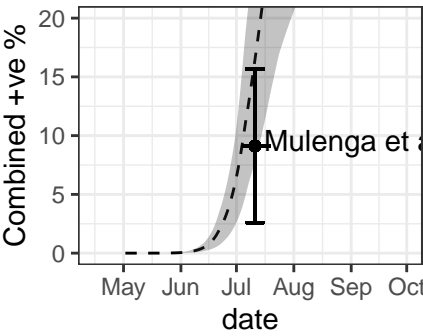
PCR prevalence  
binom II = -120 1



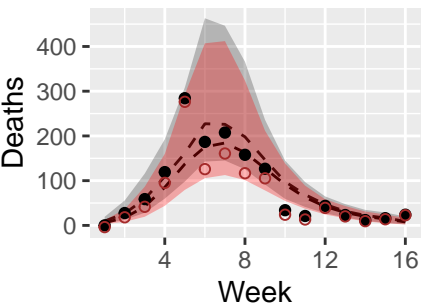
Seroprevalence  
binom II = -115 1



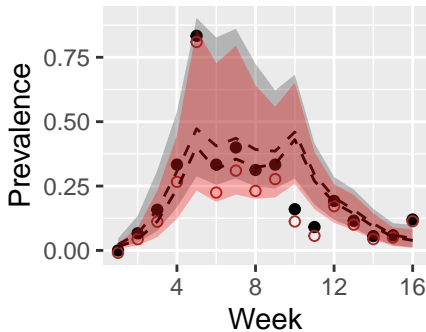
Combined prevalence  
binom II = -17 1



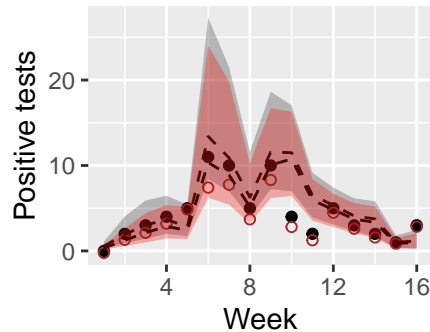
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



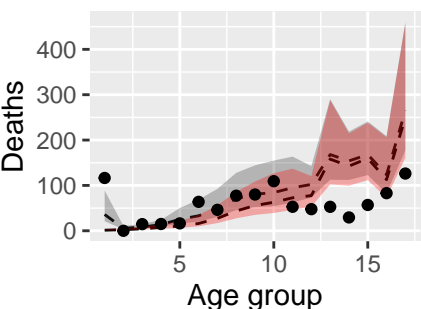
COVID-19 weekly prevalence  
(UTH mortuary)



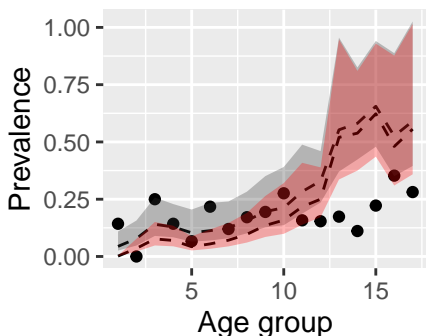
COVID-19 weekly positive tests  
(UTH mortuary)



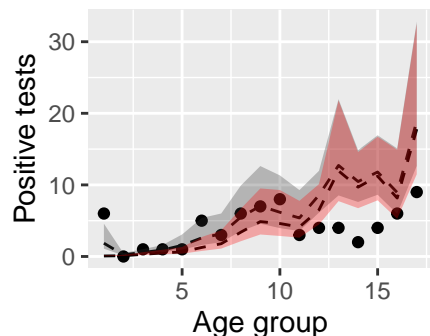
COVID-19 deaths by age  
(Lusaka)  
multinomial = -38.7



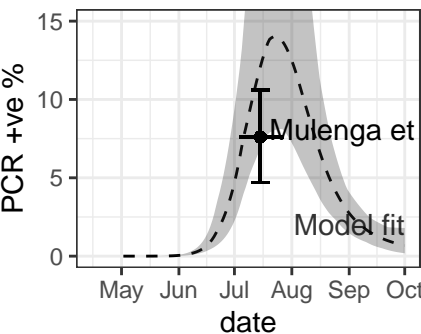
COVID-19 prevalence by age  
(UTH mortuary)



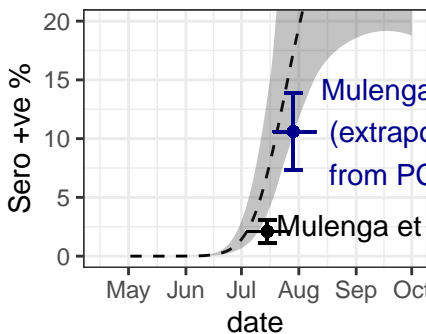
COVID-19 positive tests by age  
(UTH mortuary)



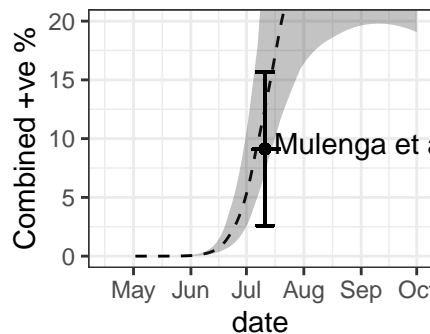
PCR prevalence  
binomial = -47

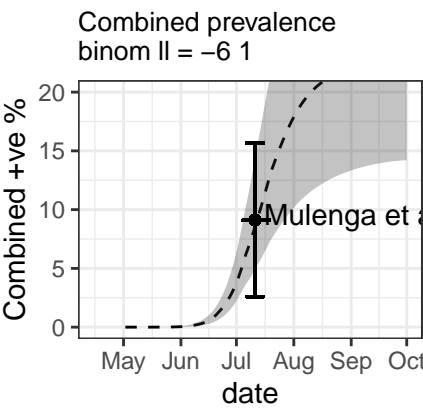
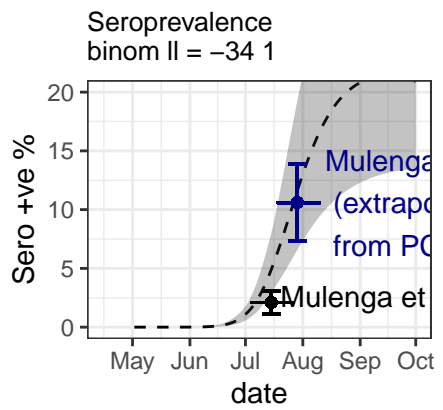
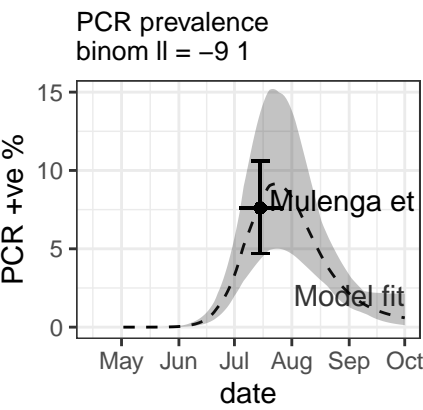
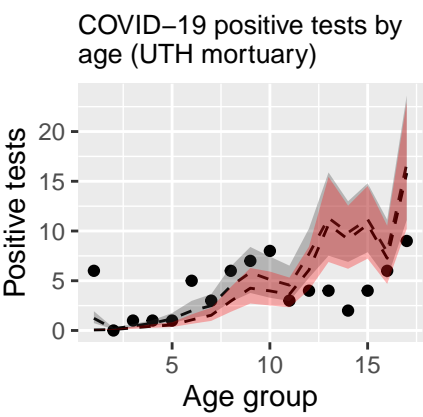
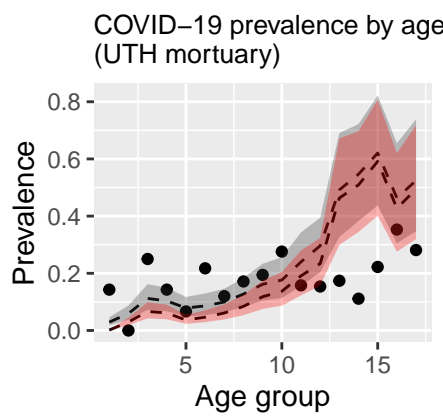
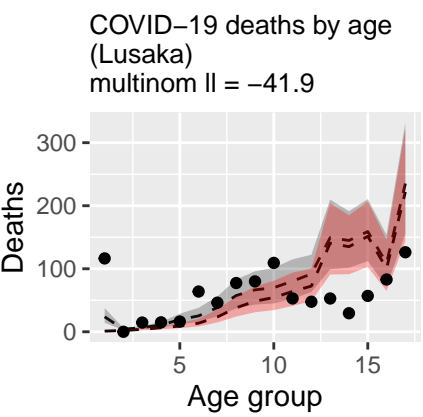
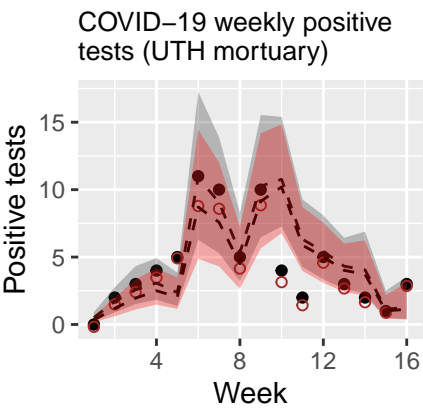
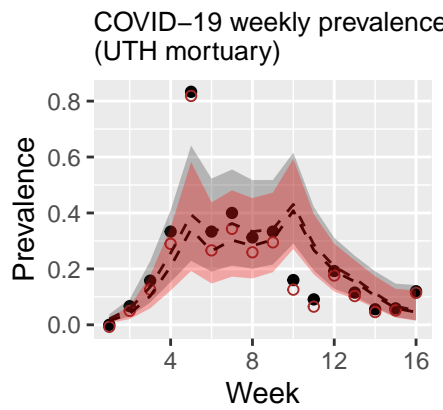
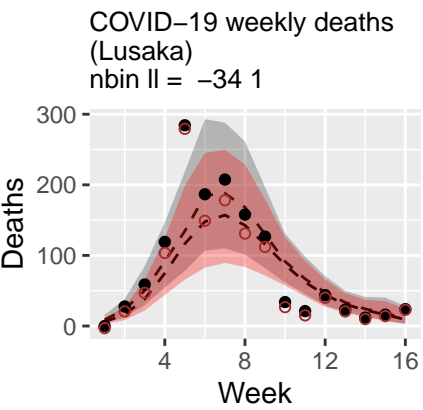


Seroprevalence  
binomial = -75

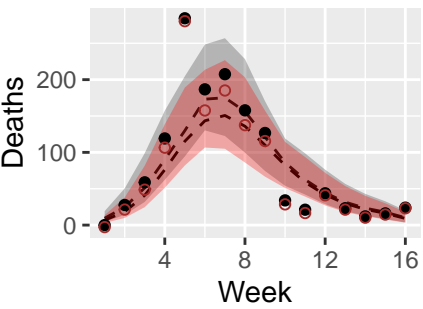


Combined prevalence  
binomial = -9

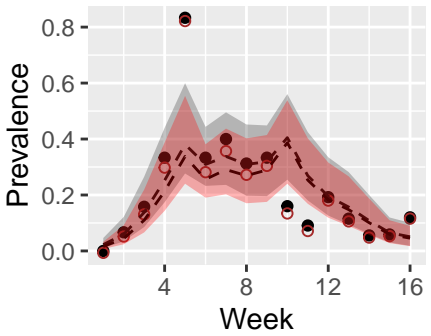




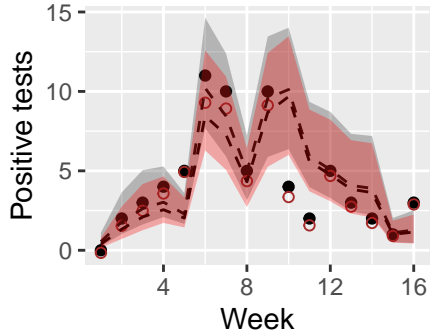
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



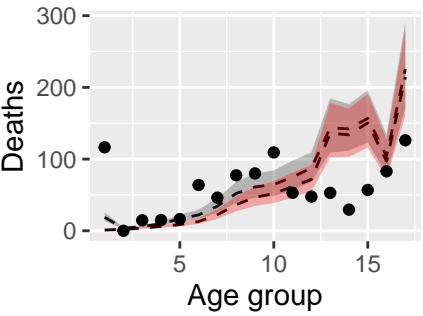
COVID-19 weekly prevalence  
(UTH mortuary)



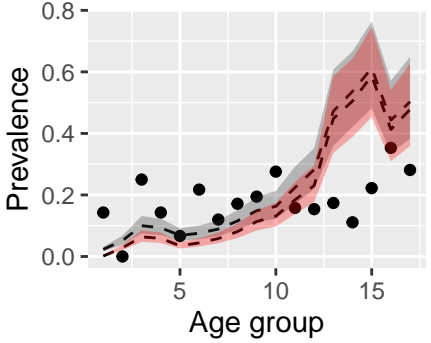
COVID-19 weekly positive tests  
(UTH mortuary)



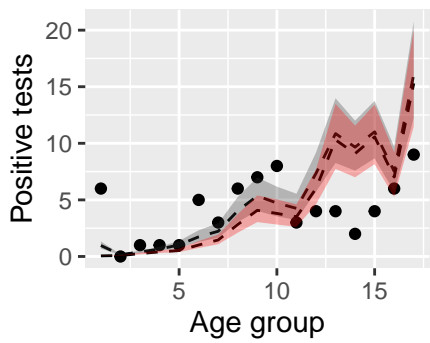
COVID-19 deaths by age  
(Lusaka)  
multinom II = -44



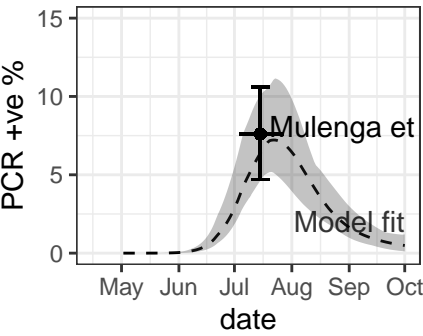
COVID-19 prevalence by age  
(UTH mortuary)



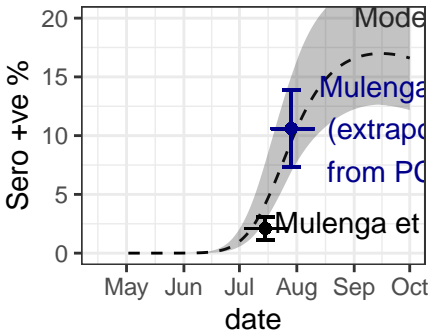
COVID-19 positive tests by age  
(UTH mortuary)



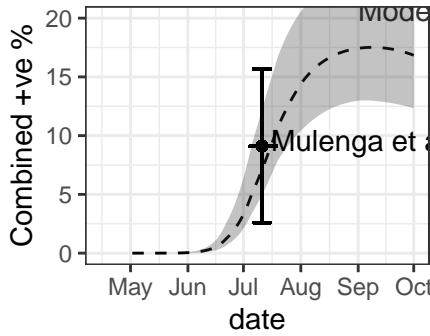
PCR prevalence  
binom II = -11 1



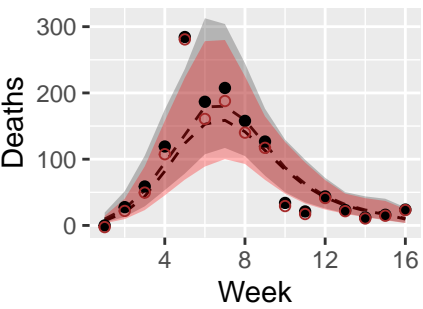
Seroprevalence  
binom II = -23 1



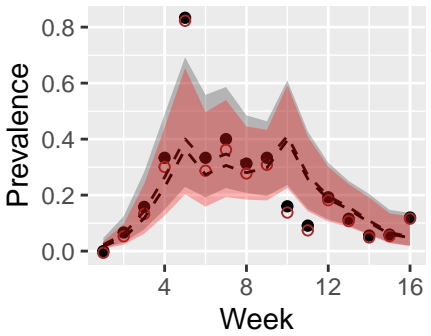
Combined prevalence  
binom II = -6 1



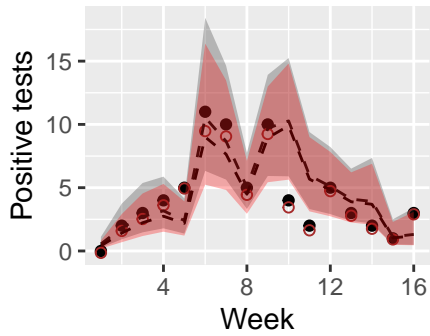
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



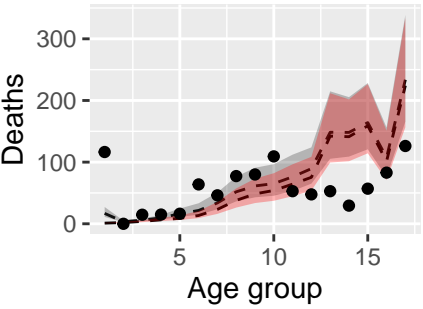
COVID-19 weekly prevalence  
(UTH mortuary)



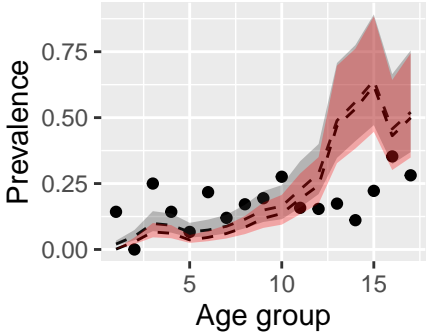
COVID-19 weekly positive tests  
(UTH mortuary)



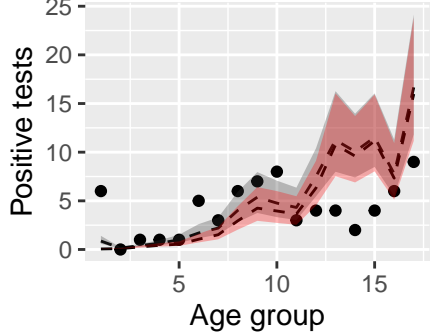
COVID-19 deaths by age  
(Lusaka)  
multinom = 45.5



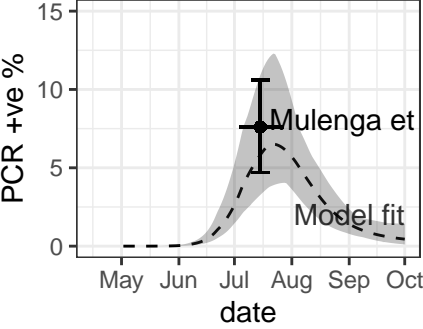
COVID-19 prevalence by age  
(UTH mortuary)



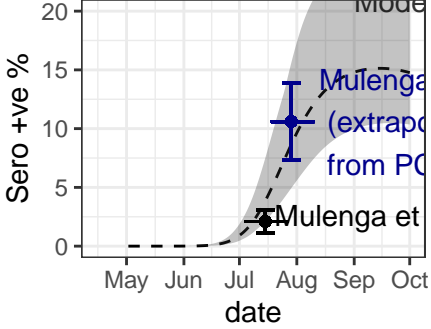
COVID-19 positive tests by age  
(UTH mortuary)



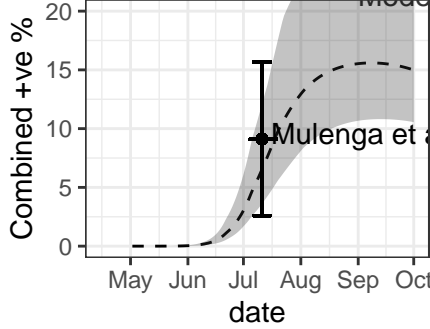
PCR prevalence  
binom = 16 1



Seroprevalence  
binom = 19 1

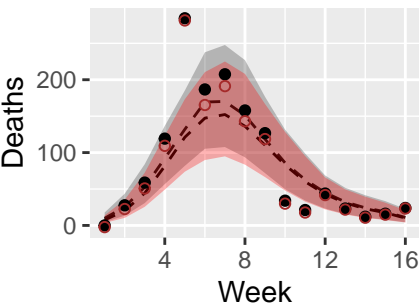


Combined prevalence  
binom = 7 1

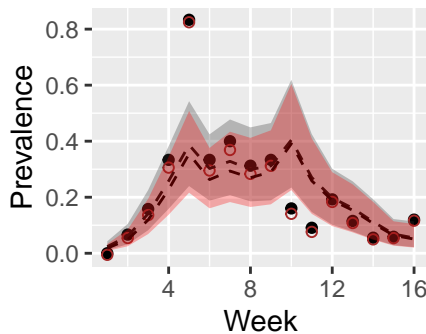




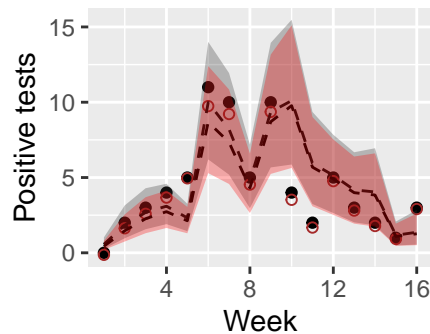
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



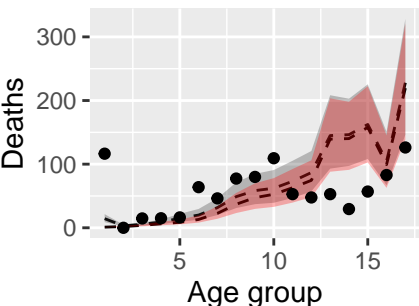
COVID-19 weekly prevalence  
(UTH mortuary)



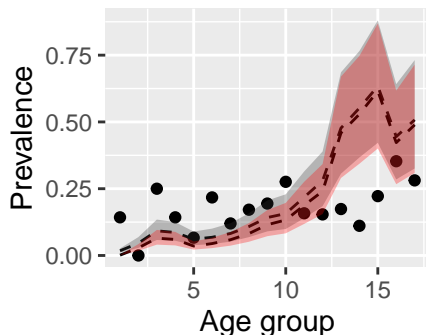
COVID-19 weekly positive tests  
(UTH mortuary)



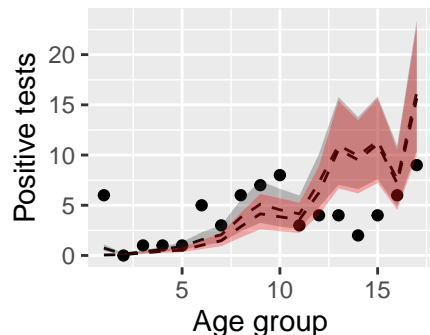
COVID-19 deaths by age  
(Lusaka)  
multinom = 46.9



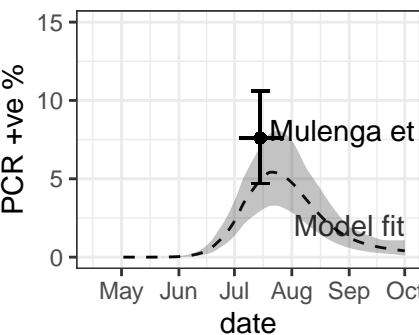
COVID-19 prevalence by age  
(UTH mortuary)



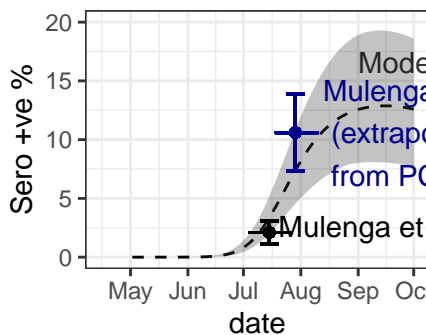
COVID-19 positive tests by age  
(UTH mortuary)



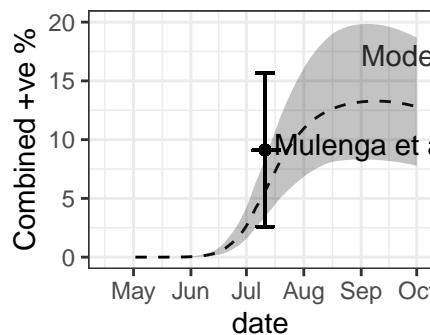
PCR prevalence  
binom = 27



Seroprevalence  
binom = 12

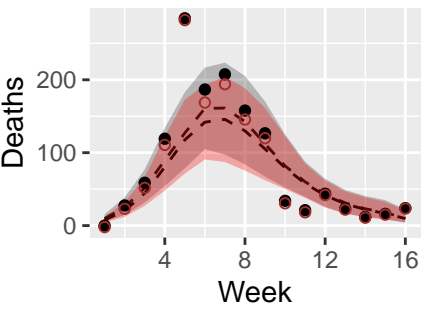


Combined prevalence  
binom = 8

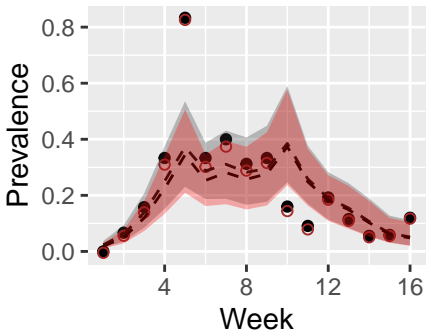


IFR x 1.8, Slope x 1.2

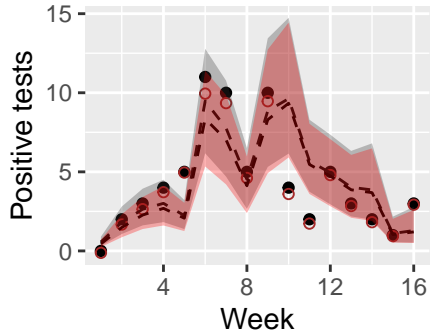
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



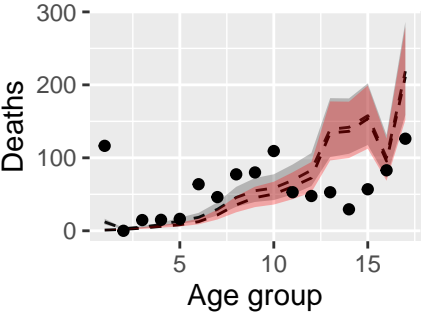
COVID-19 weekly prevalence  
(UTH mortuary)



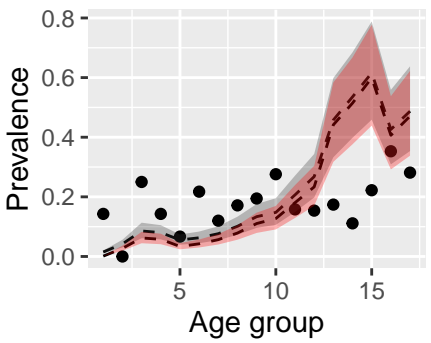
COVID-19 weekly positive tests  
(UTH mortuary)



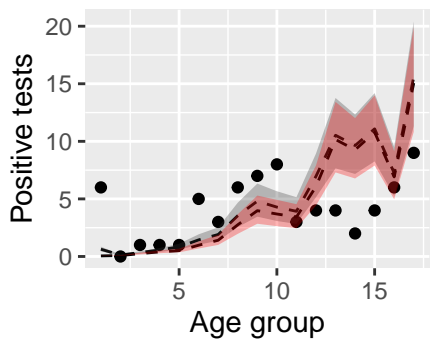
COVID-19 deaths by age  
(Lusaka)  
multinom II = -48.2



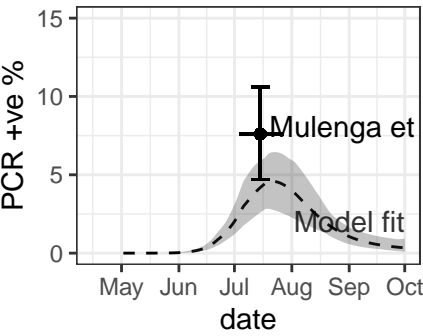
COVID-19 prevalence by age  
(UTH mortuary)



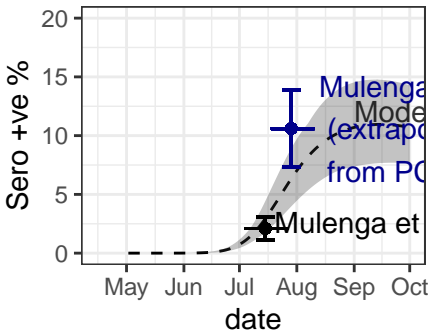
COVID-19 positive tests by age  
(UTH mortuary)



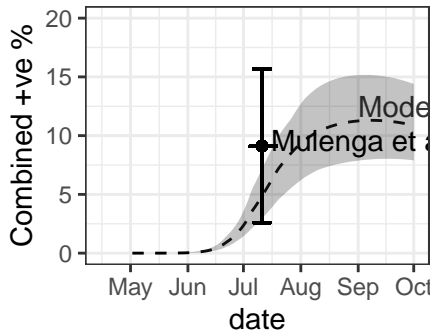
PCR prevalence  
binom II = -42 1



Seroprevalence  
binom II = -8 1

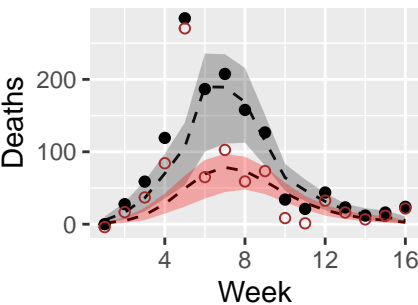


Combined prevalence  
binom II = -9 1

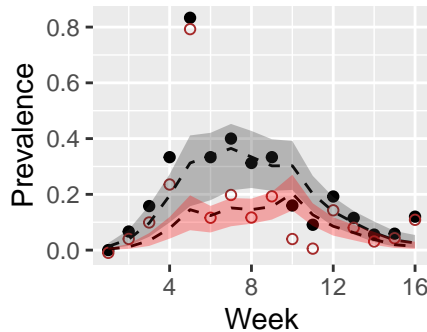


IFR x 0.2, Slope x 1.4

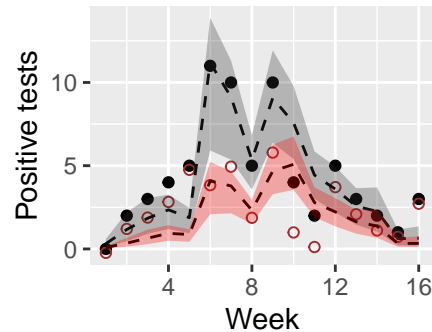
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



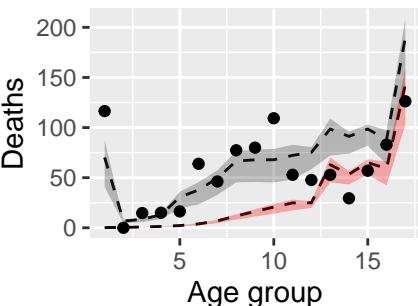
COVID-19 weekly prevalence  
(UTH mortuary)



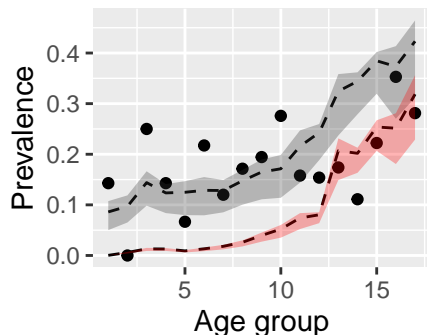
COVID-19 weekly positive tests  
(UTH mortuary)



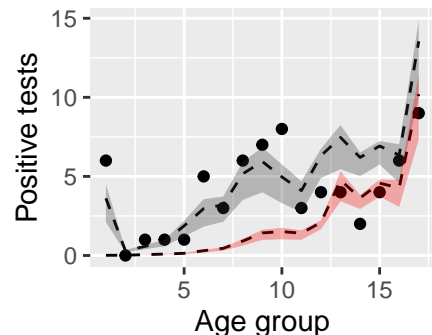
COVID-19 deaths by age  
(Lusaka)  
multinom II = -29.6



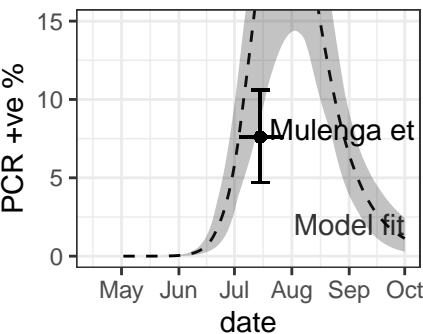
COVID-19 prevalence by age  
(UTH mortuary)



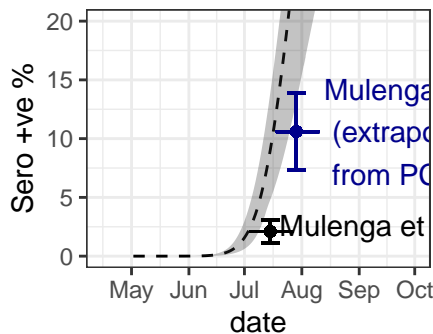
COVID-19 positive tests by age  
(UTH mortuary)



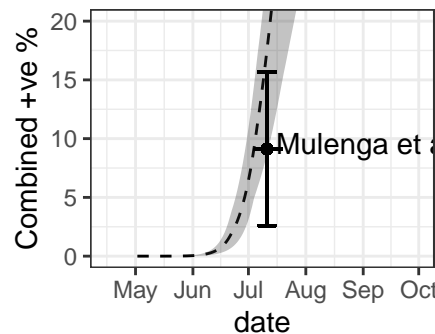
PCR prevalence  
binom II = -157 1



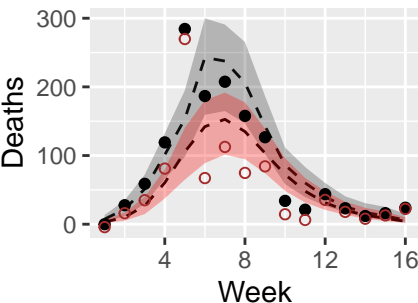
Seroprevalence  
binom II = -118 1



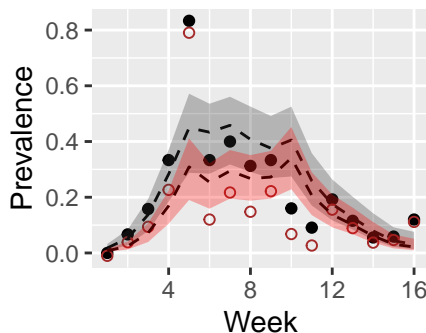
Combined prevalence  
binom II = -20 1



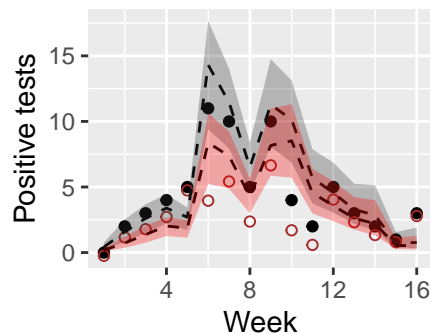
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



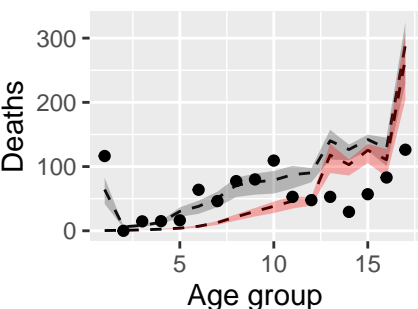
COVID-19 weekly prevalence  
(UTH mortuary)



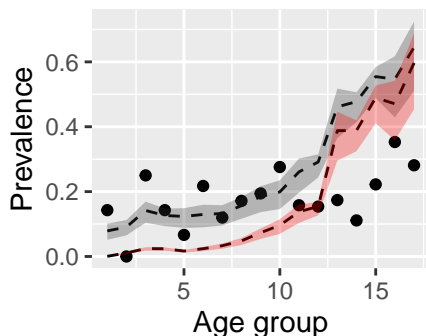
COVID-19 weekly positive tests  
(UTH mortuary)



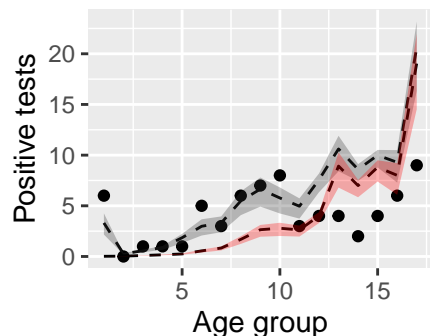
COVID-19 deaths by age  
(Lusaka)  
multinom II = -34.1



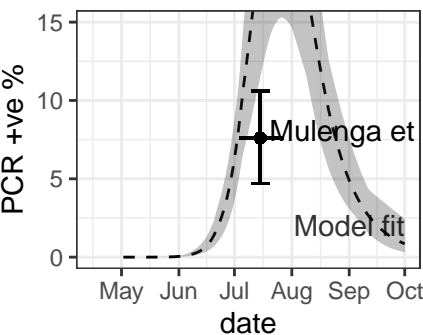
COVID-19 prevalence by age  
(UTH mortuary)



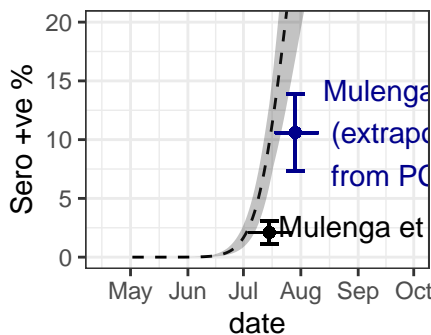
COVID-19 positive tests by age  
(UTH mortuary)



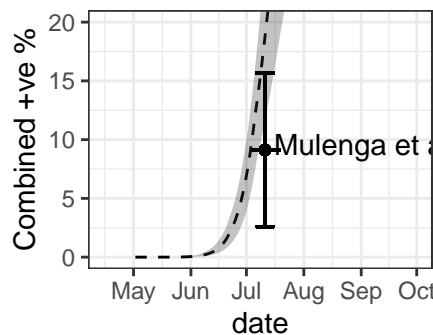
PCR prevalence  
binom II = -178 1



Seroprevalence  
binom II = -134 1

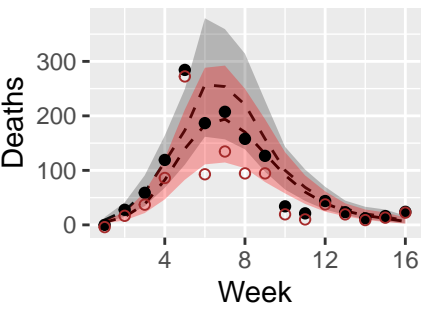


Combined prevalence  
binom II = -22 1

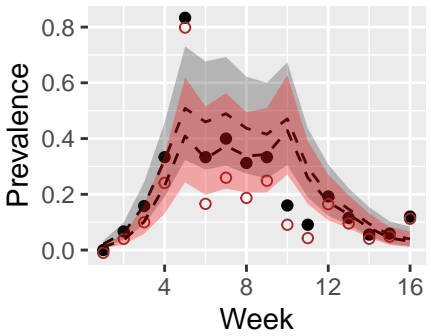


IFR x 0.6, Slope x 1.4

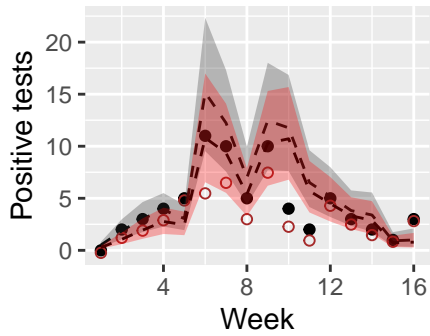
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



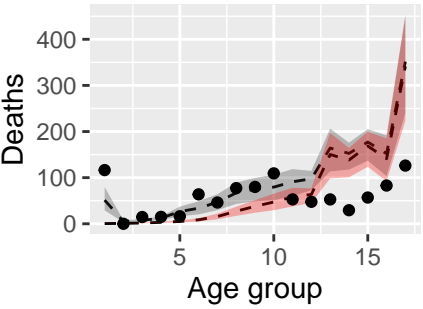
COVID-19 weekly prevalence  
(UTH mortuary)



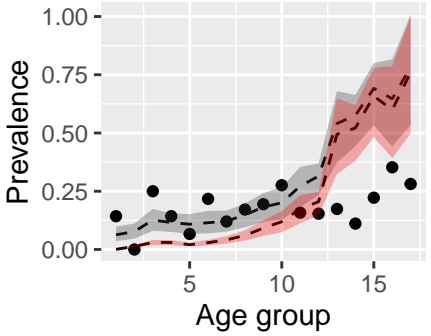
COVID-19 weekly positive tests  
(UTH mortuary)



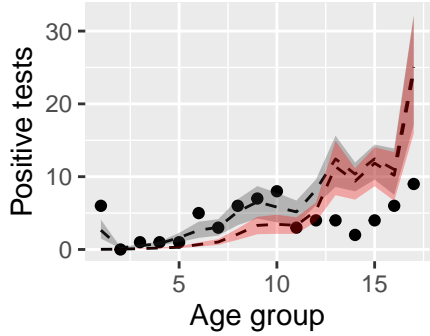
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.2



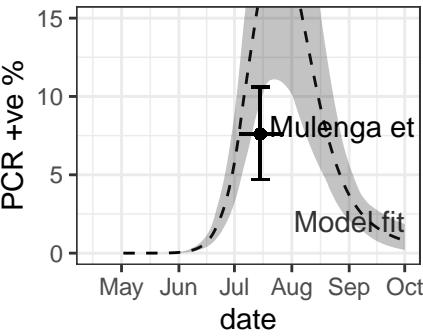
COVID-19 prevalence by age  
(UTH mortuary)



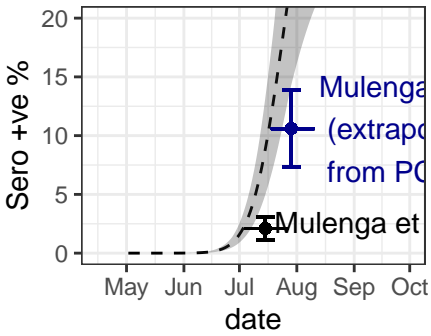
COVID-19 positive tests by age  
(UTH mortuary)



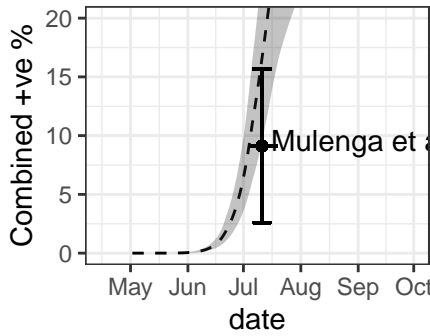
PCR prevalence  
binom II = -122 1



Seroprevalence  
binom II = -114 1

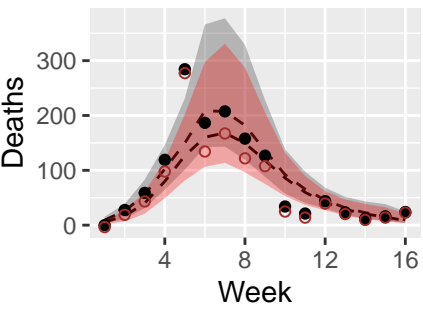


Combined prevalence  
binom II = -17 1

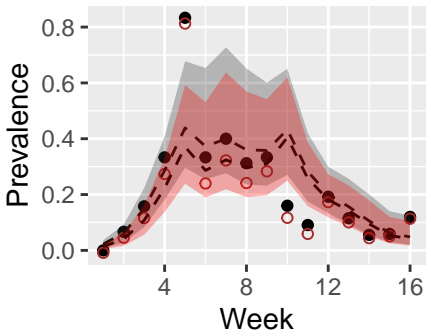


IFR x 0.8, Slope x 1.4

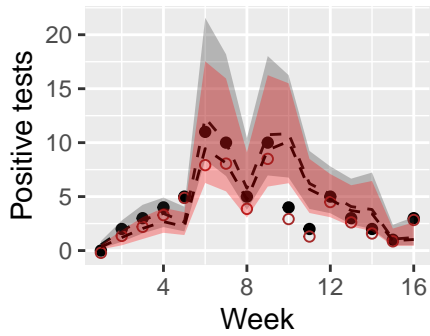
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



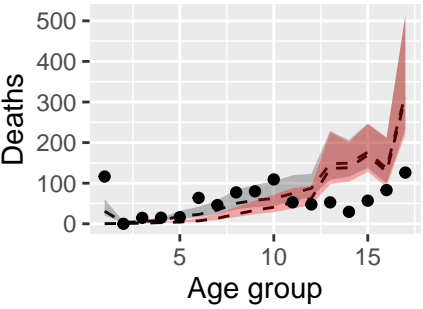
COVID-19 weekly prevalence  
(UTH mortuary)



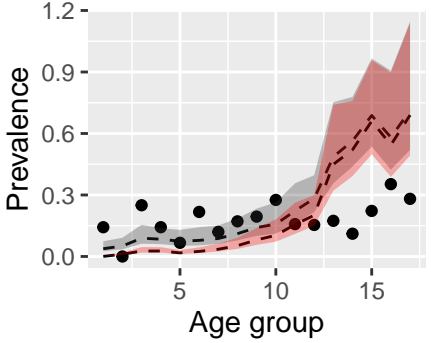
COVID-19 weekly positive tests  
(UTH mortuary)



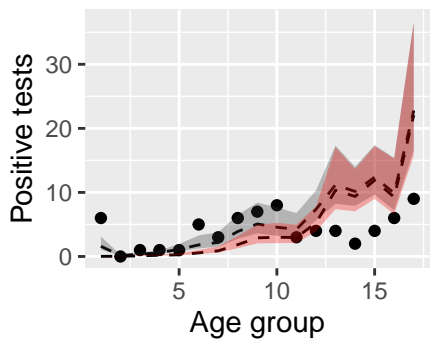
COVID-19 deaths by age  
(Lusaka)  
multinomial = 45



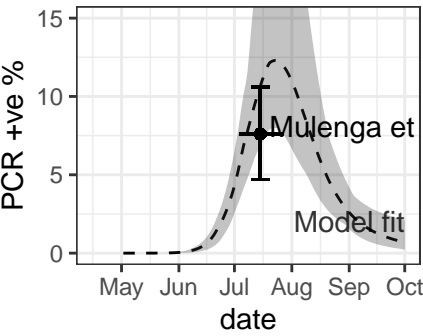
COVID-19 prevalence by age  
(UTH mortuary)



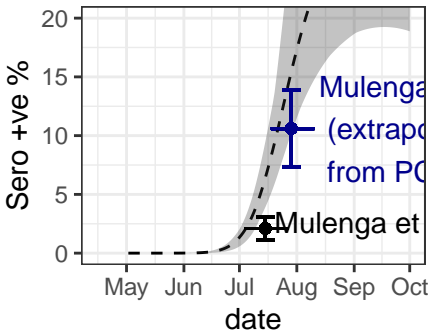
COVID-19 positive tests by age  
(UTH mortuary)



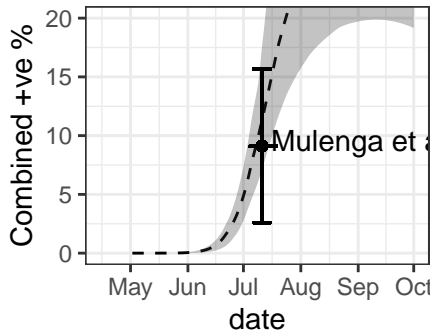
PCR prevalence  
binomial = 26



Seroprevalence  
binomial = 61

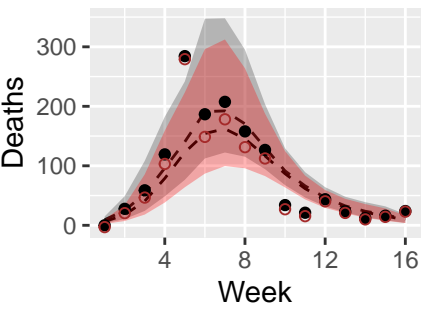


Combined prevalence  
binomial = 7

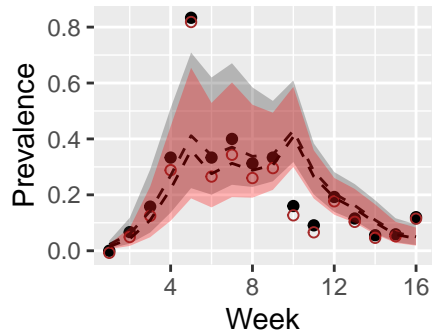


IFR x 1, Slope x 1.4

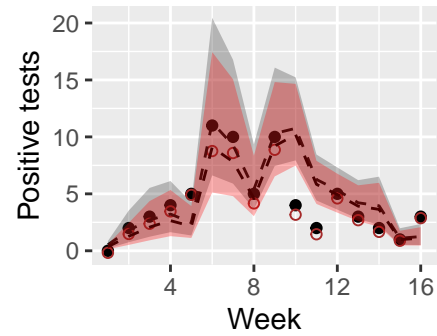
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



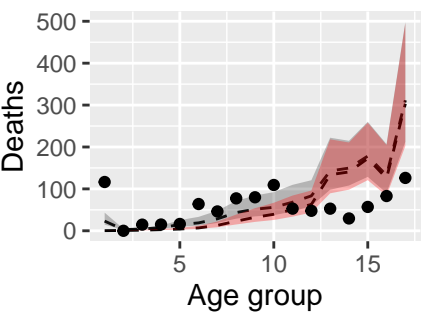
COVID-19 weekly prevalence  
(UTH mortuary)



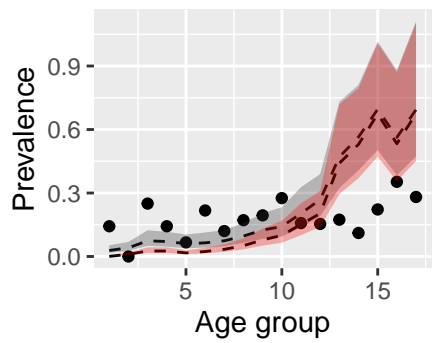
COVID-19 weekly positive tests  
(UTH mortuary)



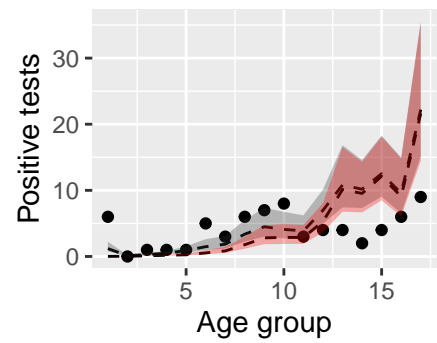
COVID-19 deaths by age  
(Lusaka)  
multinom II = -48.8



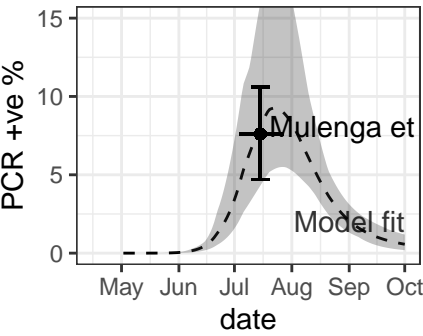
COVID-19 prevalence by age  
(UTH mortuary)



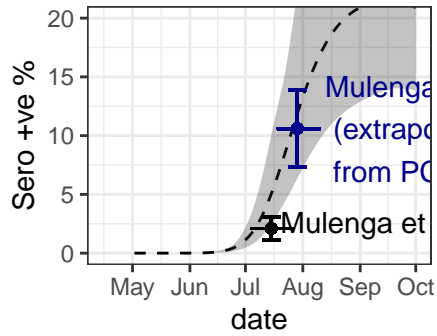
COVID-19 positive tests by age  
(UTH mortuary)



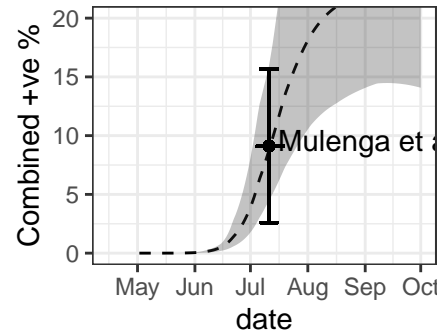
PCR prevalence  
binom II = -11 1



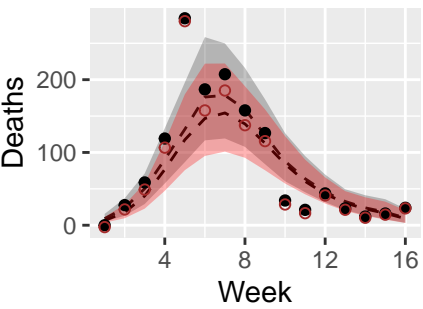
Seroprevalence  
binom II = -37 1



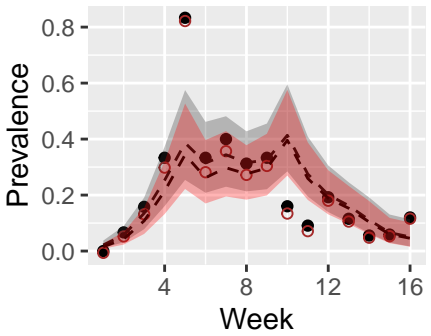
Combined prevalence  
binom II = -6 1



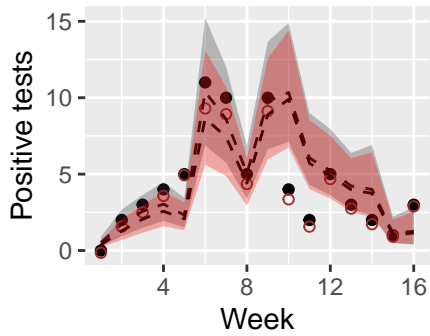
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34



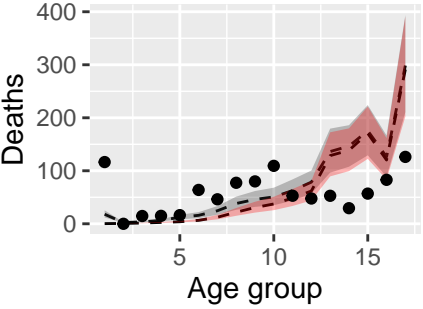
COVID-19 weekly prevalence  
(UTH mortuary)



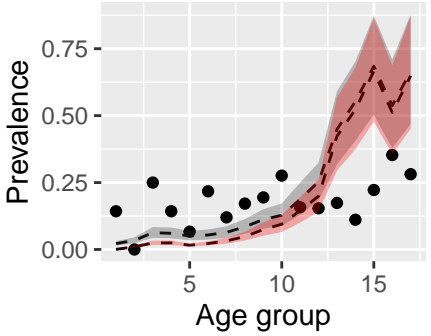
COVID-19 weekly positive tests  
(UTH mortuary)



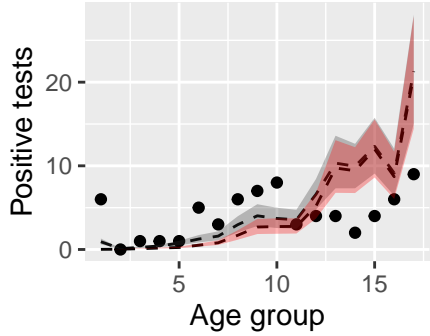
COVID-19 deaths by age  
(Lusaka)  
multinomial = 51.8



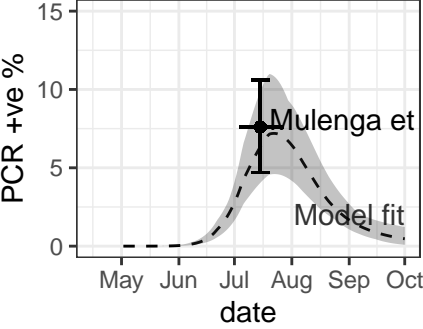
COVID-19 prevalence by age  
(UTH mortuary)



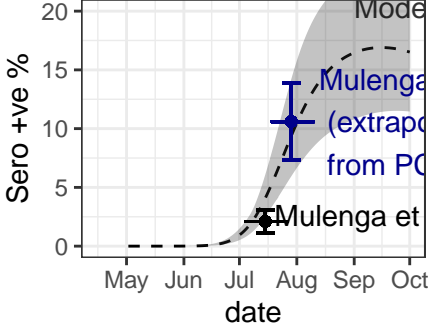
COVID-19 positive tests by age  
(UTH mortuary)



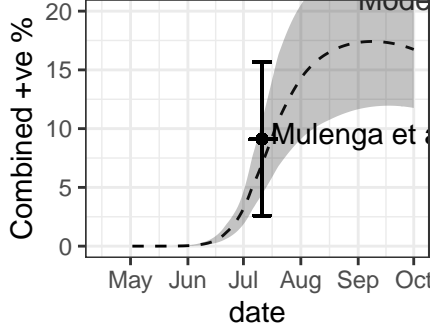
PCR prevalence  
binomial = 11



Seroprevalence  
binomial = 21



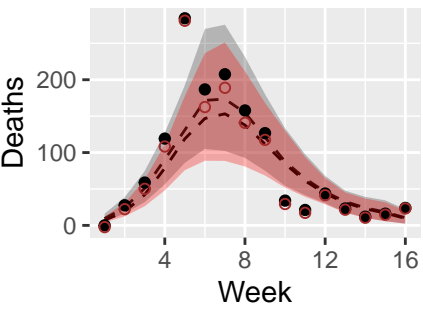
Combined prevalence  
binomial = 6



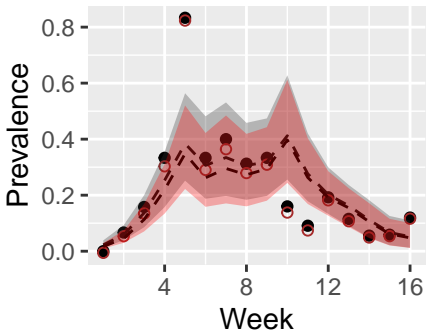


IFR x 1.4, Slope x 1.4

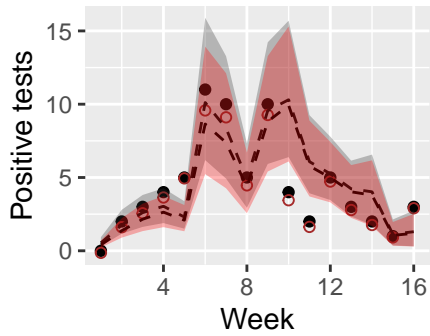
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



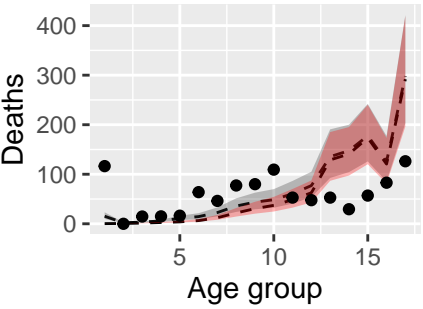
COVID-19 weekly prevalence  
(UTH mortuary)



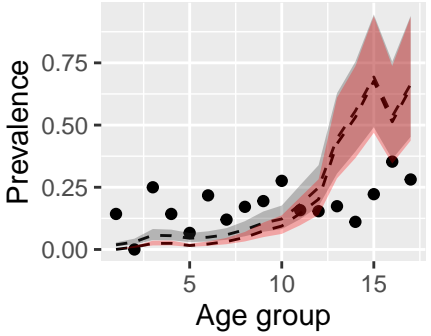
COVID-19 weekly positive tests  
(UTH mortuary)



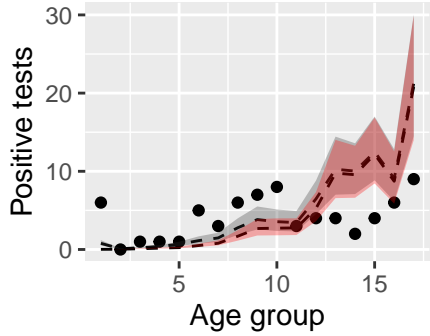
COVID-19 deaths by age  
(Lusaka)  
multinom II = -54.1



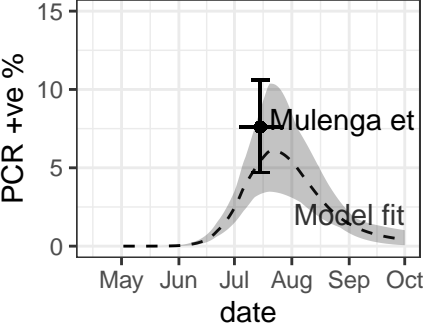
COVID-19 prevalence by age  
(UTH mortuary)



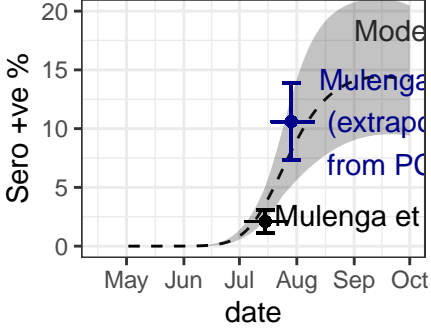
COVID-19 positive tests by age  
(UTH mortuary)



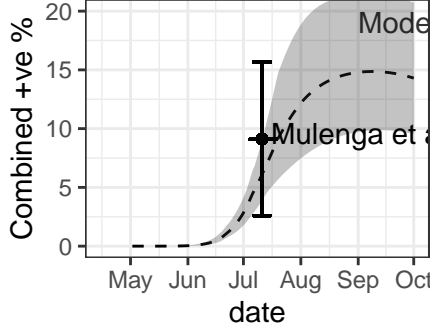
PCR prevalence  
binom II = -20 1



Seroprevalence  
binom II = -15 1

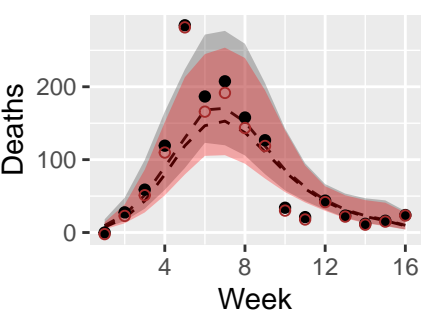


Combined prevalence  
binom II = -7 1

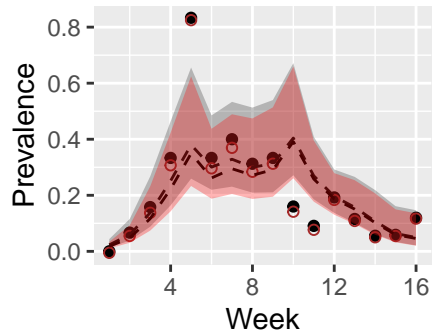


IFR x 1.6, Slope x 1.4

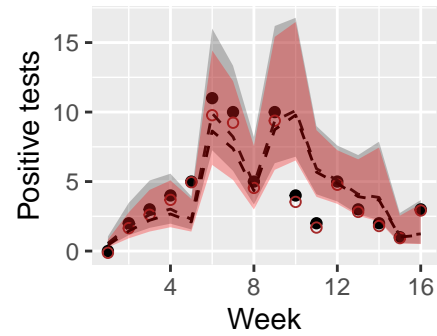
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



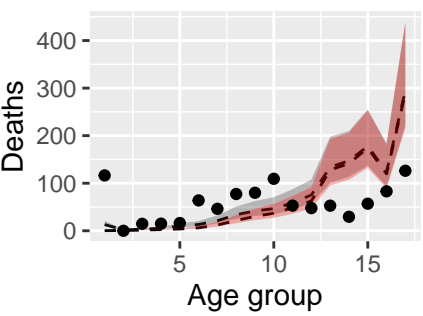
COVID-19 weekly prevalence  
(UTH mortuary)



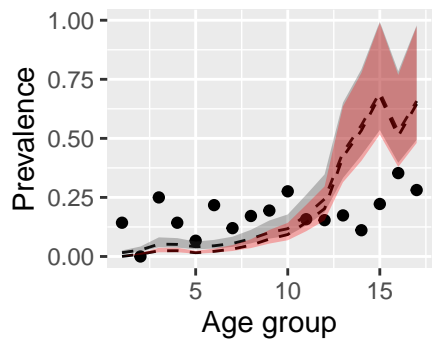
COVID-19 weekly positive tests  
(UTH mortuary)



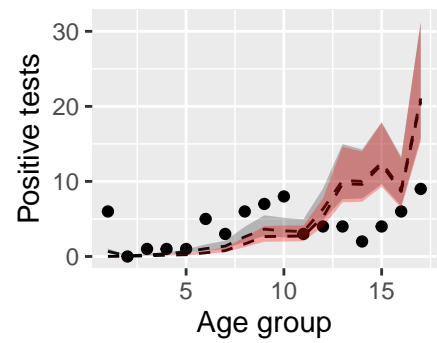
COVID-19 deaths by age  
(Lusaka)  
multinomial = 56



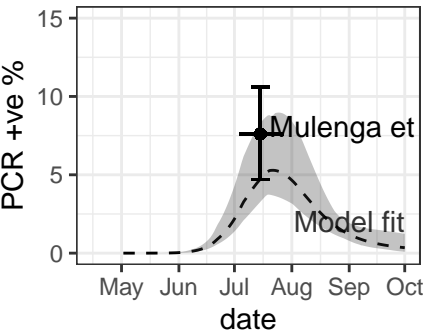
COVID-19 prevalence by age  
(UTH mortuary)



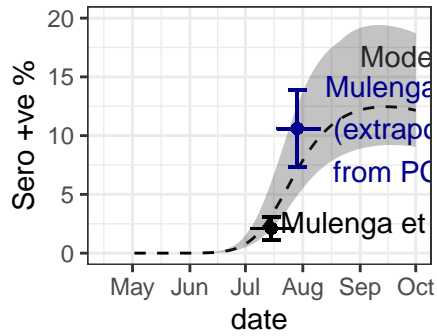
COVID-19 positive tests by age  
(UTH mortuary)



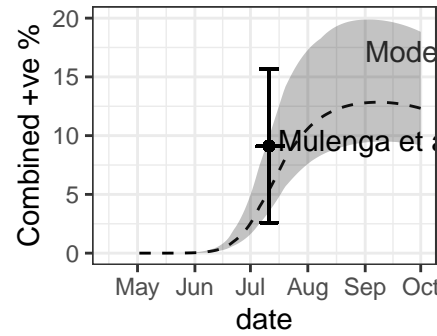
PCR prevalence  
binomial = 30 1



Seroprevalence  
binomial = 10 1

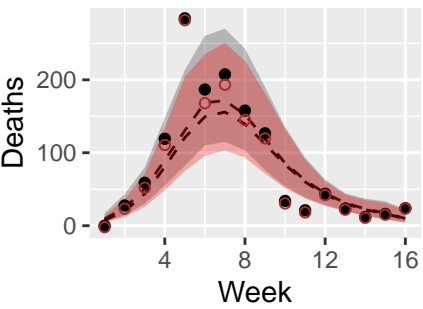


Combined prevalence  
binomial = 8 1

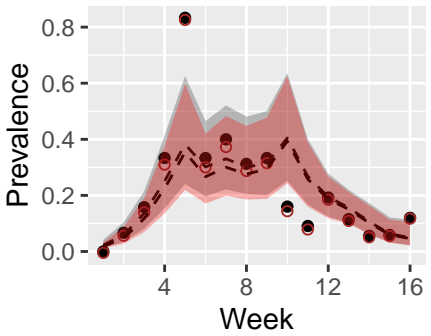


IFR x 1.8, Slope x 1.4

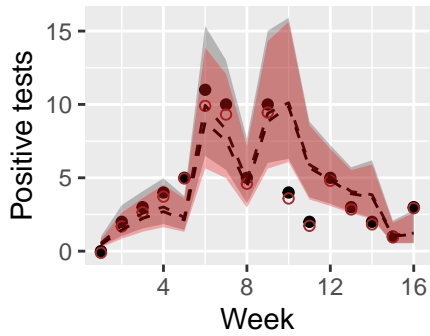
COVID-19 weekly deaths  
(Lusaka)  
nbins = 34 1



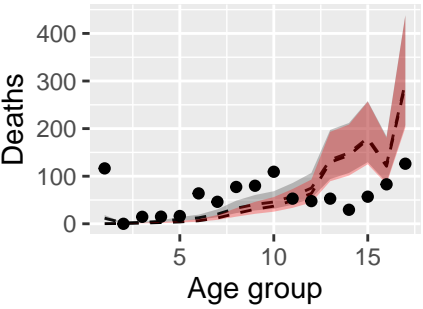
COVID-19 weekly prevalence  
(UTH mortuary)



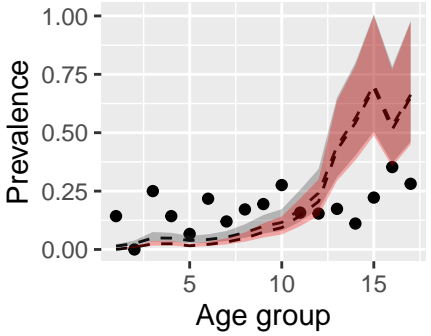
COVID-19 weekly positive tests  
(UTH mortuary)



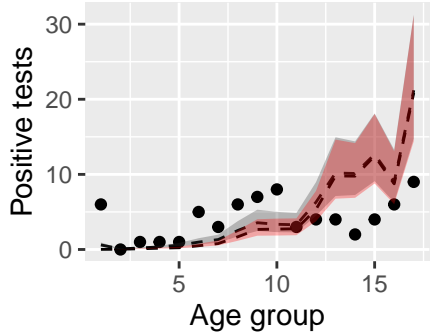
COVID-19 deaths by age  
(Lusaka)  
multinomial = 57.6



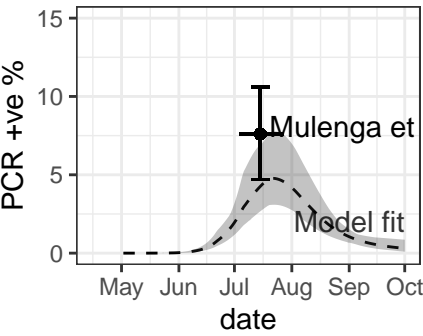
COVID-19 prevalence by age  
(UTH mortuary)



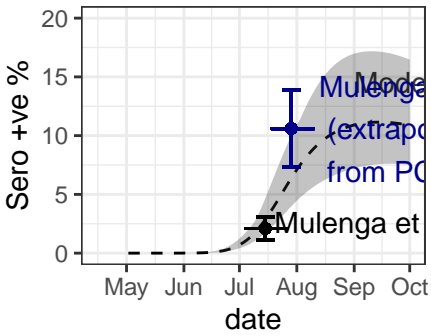
COVID-19 positive tests by age  
(UTH mortuary)



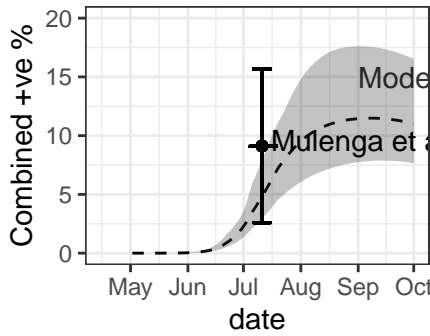
PCR prevalence  
binomial = 40 1



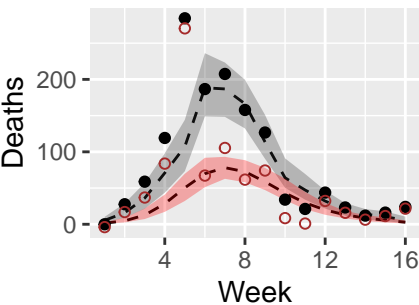
Seroprevalence  
binomial = 7 1



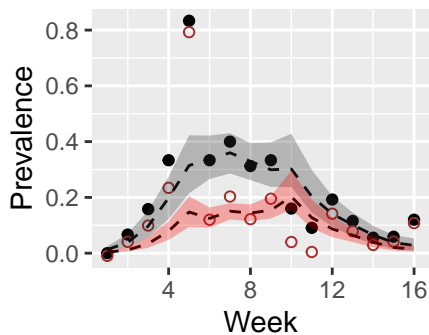
Combined prevalence  
binomial = 10 1



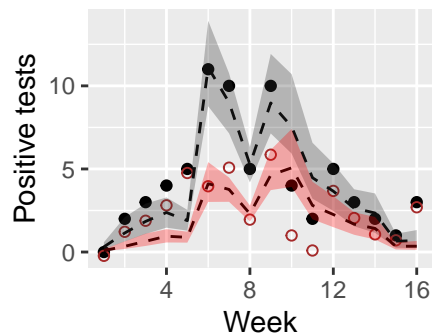
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



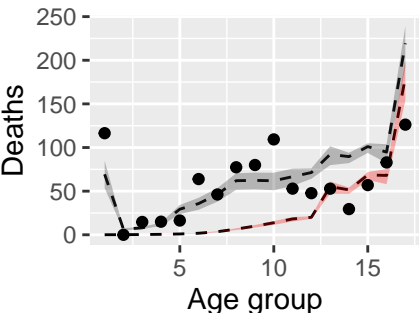
COVID-19 weekly prevalence  
(UTH mortuary)



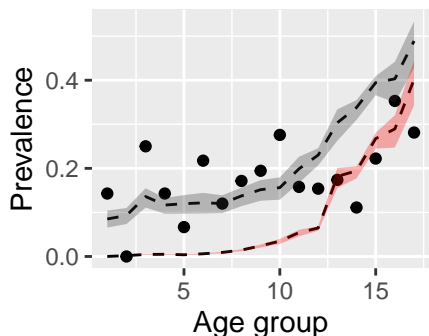
COVID-19 weekly positive tests  
(UTH mortuary)



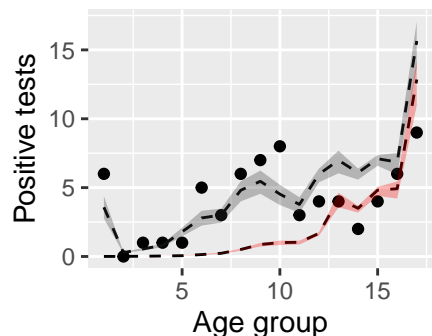
COVID-19 deaths by age  
(Lusaka)  
multinom II = -30.7



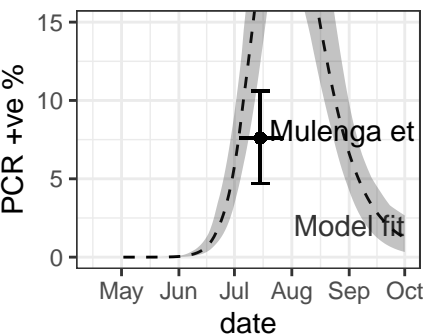
COVID-19 prevalence by age  
(UTH mortuary)



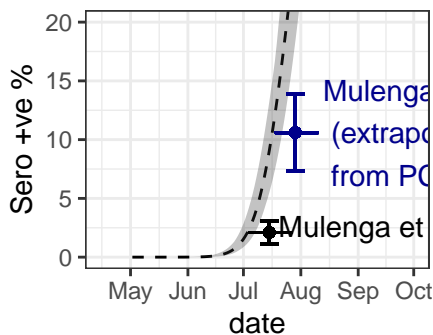
COVID-19 positive tests by age  
(UTH mortuary)



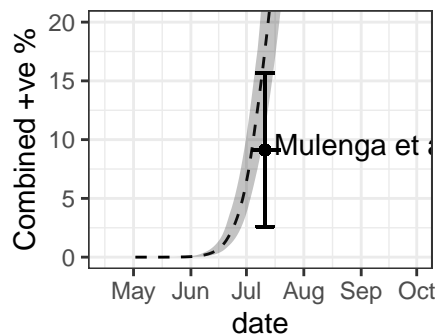
PCR prevalence  
binom II = -158 1



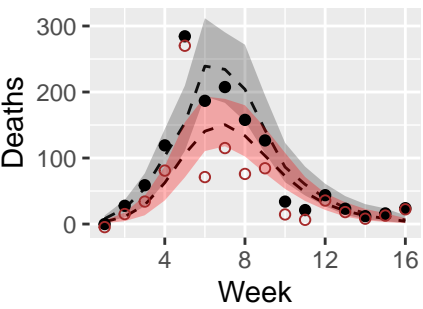
Seroprevalence  
binom II = -119 1



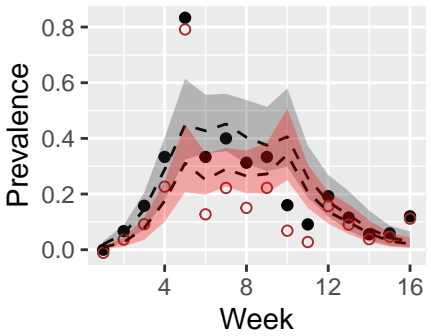
Combined prevalence  
binom II = -20 1



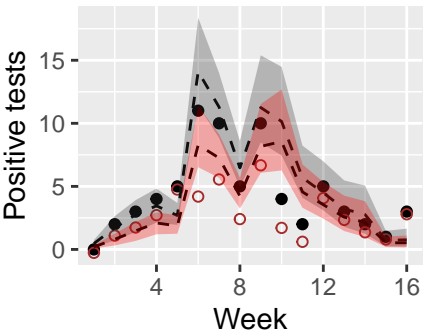
COVID-19 weekly deaths  
(Lusaka)  
nb<sub>bin</sub> II = -34 1



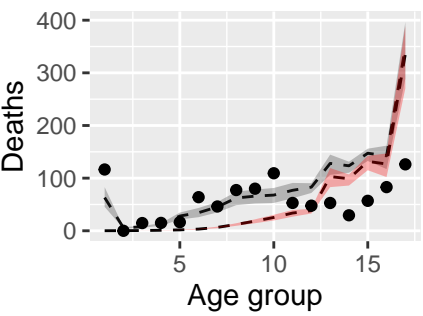
COVID-19 weekly prevalence  
(UTH mortuary)



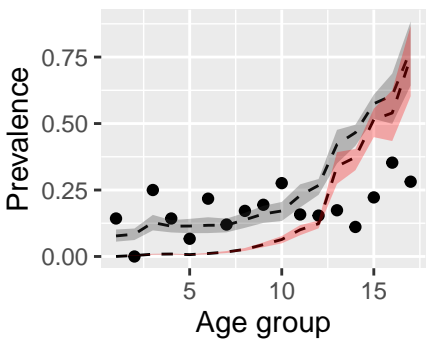
COVID-19 weekly positive tests  
(UTH mortuary)



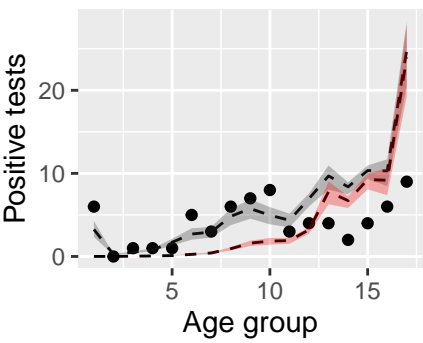
COVID-19 deaths by age  
(Lusaka)  
multinom II = -36.9



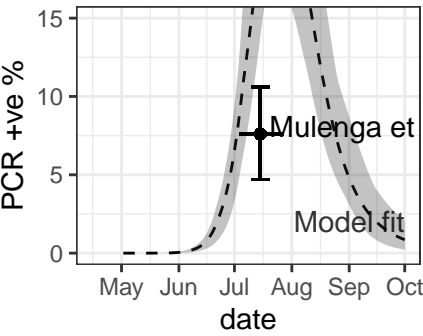
COVID-19 prevalence by age  
(UTH mortuary)



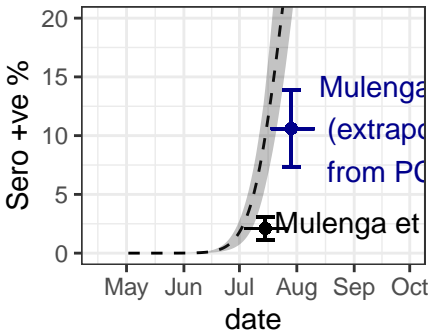
COVID-19 positive tests by age  
(UTH mortuary)



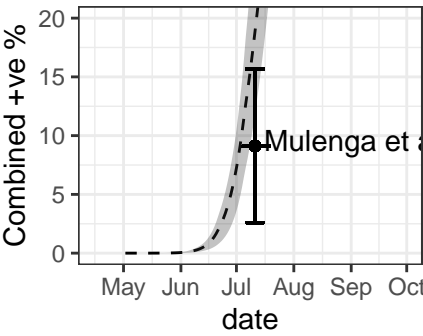
PCR prevalence  
binom II = -171 1



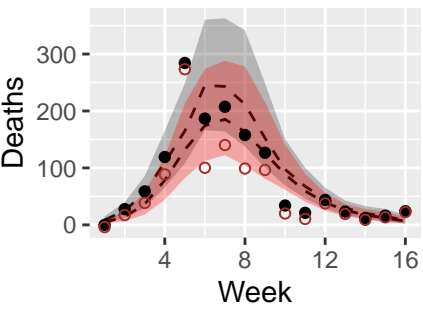
Seroprevalence  
binom II = -141 1



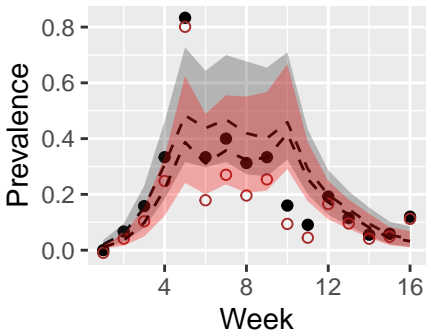
Combined prevalence  
binom II = -22 1



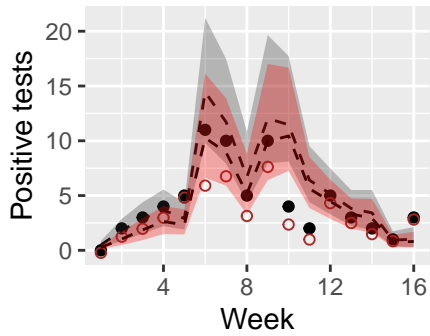
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



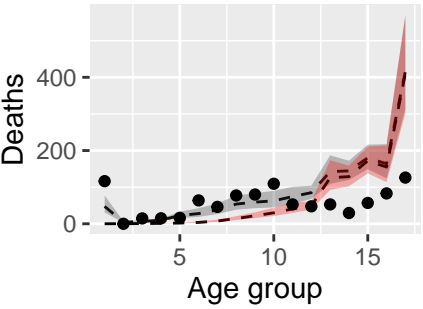
COVID-19 weekly prevalence  
(UTH mortuary)



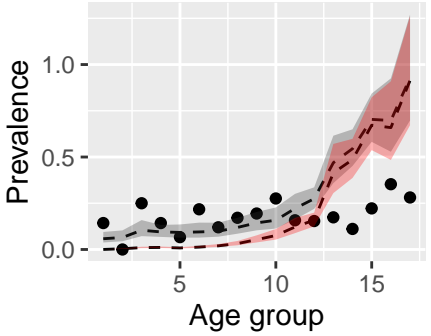
COVID-19 weekly positive tests  
(UTH mortuary)



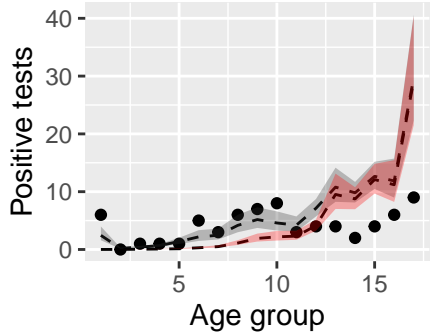
COVID-19 deaths by age  
(Lusaka)  
multinom II = -44



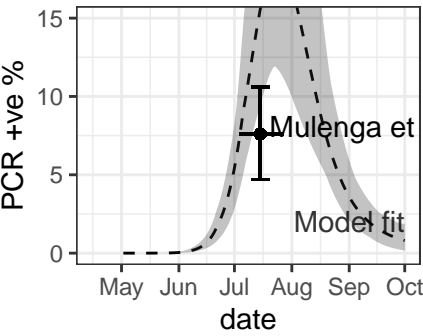
COVID-19 prevalence by age  
(UTH mortuary)



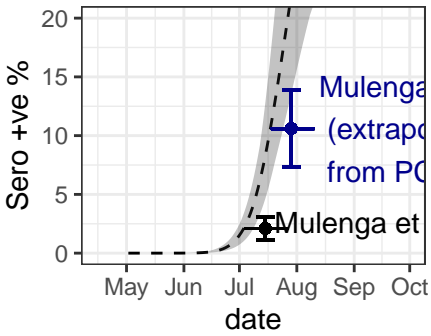
COVID-19 positive tests by age  
(UTH mortuary)



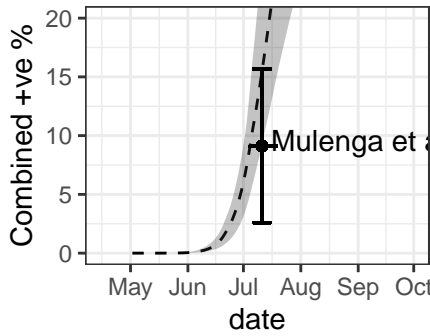
PCR prevalence  
binom II = -100 1



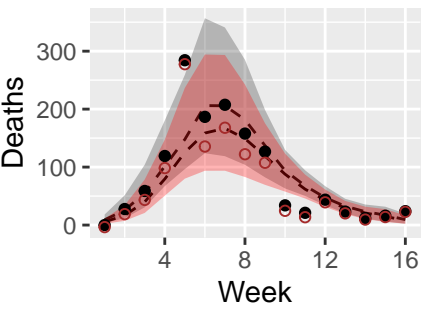
Seroprevalence  
binom II = -102 1



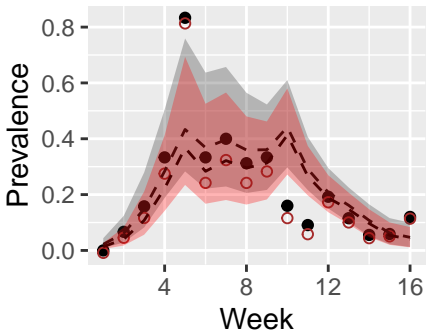
Combined prevalence  
binom II = -15 1



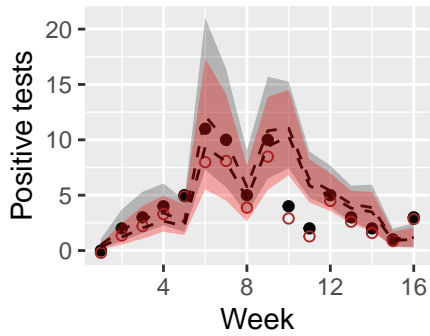
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



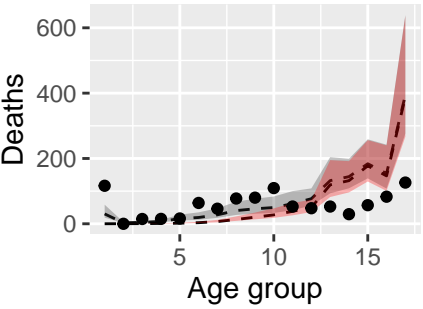
COVID-19 weekly prevalence  
(UTH mortuary)



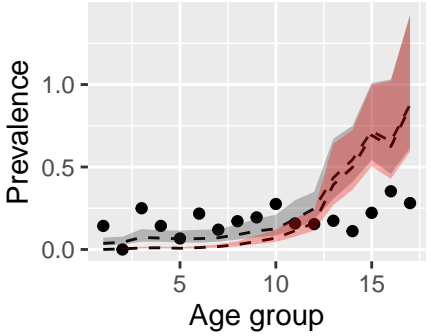
COVID-19 weekly positive tests  
(UTH mortuary)



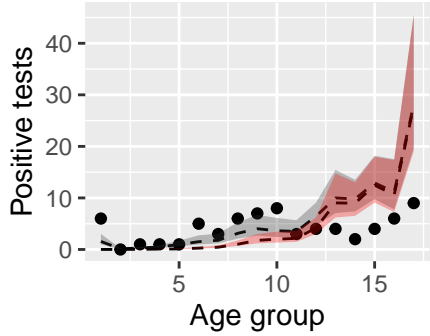
COVID-19 deaths by age  
(Lusaka)  
multinom II = -50.9



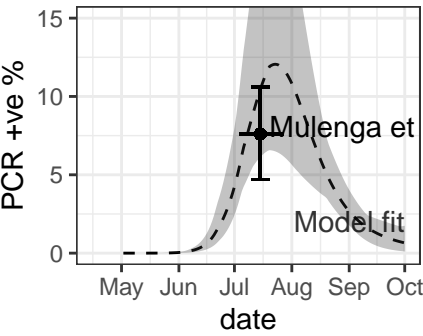
COVID-19 prevalence by age  
(UTH mortuary)



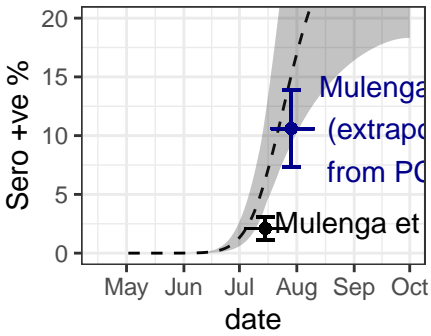
COVID-19 positive tests by age  
(UTH mortuary)



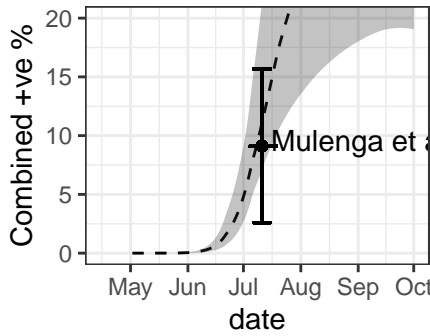
PCR prevalence  
binom II = -25 1



Seroprevalence  
binom II = -60 1

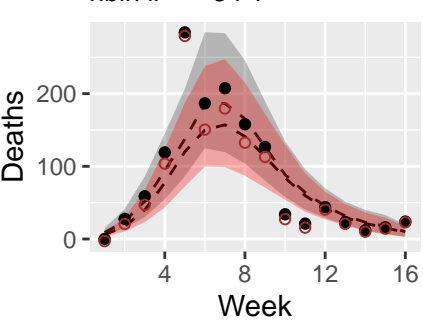


Combined prevalence  
binom II = -7 1

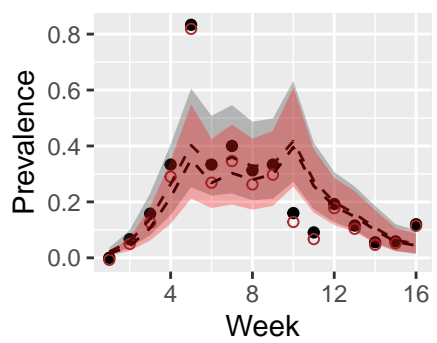


IFR x 1, Slope x 1.6

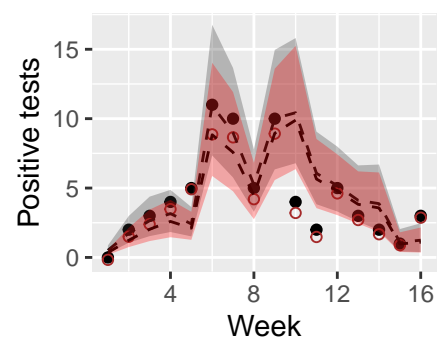
COVID-19 weekly deaths  
(Lusaka)  
nbino II = -34 1



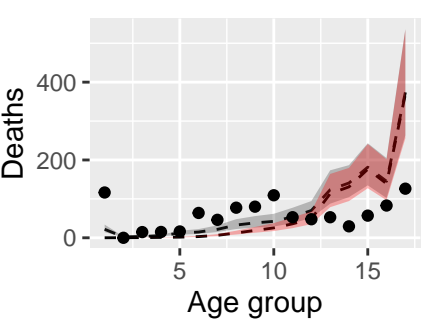
COVID-19 weekly prevalence  
(UTH mortuary)



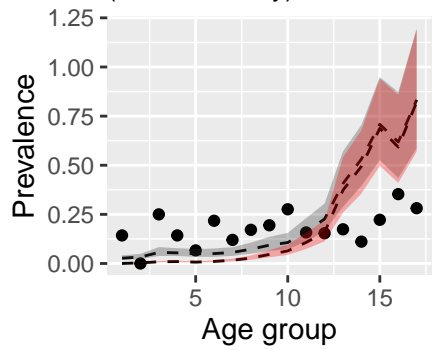
COVID-19 weekly positive tests  
(UTH mortuary)



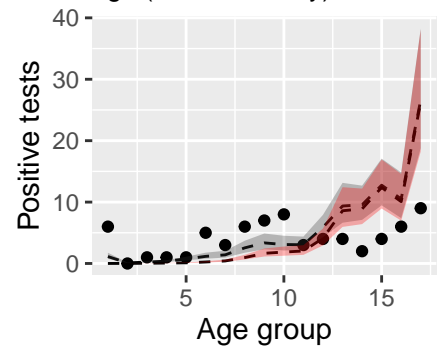
COVID-19 deaths by age  
(Lusaka)  
multinom II = -55.8



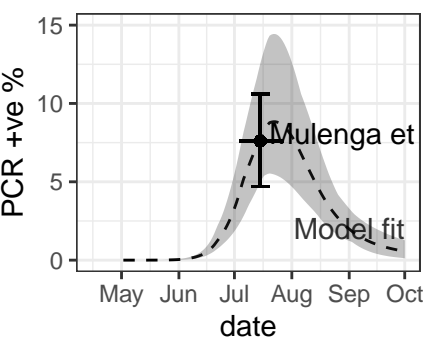
COVID-19 prevalence by age  
(UTH mortuary)



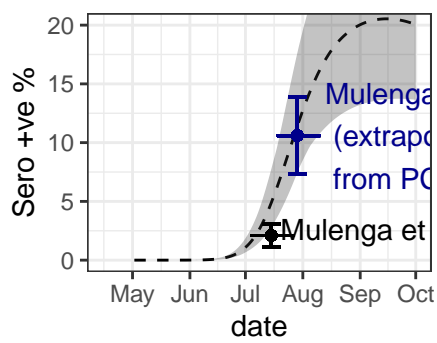
COVID-19 positive tests by age  
(UTH mortuary)



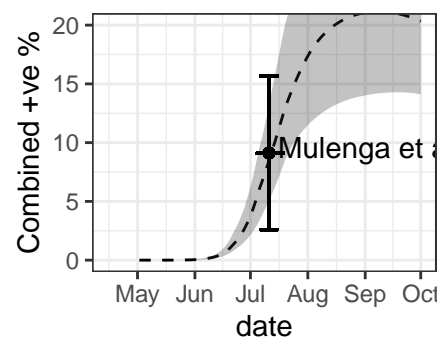
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -34 1



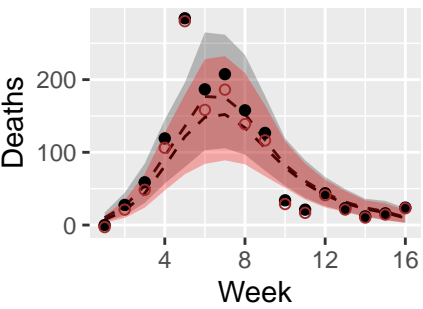
Combined prevalence  
binom II = -5 1



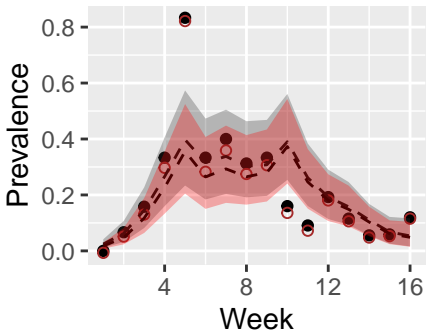


IFR x 1.2, Slope x 1.6

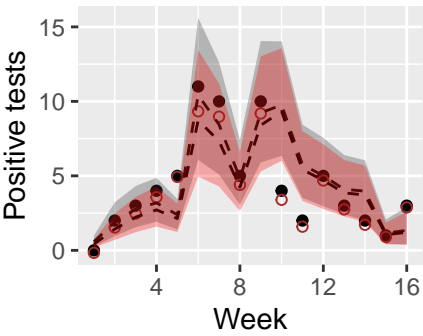
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



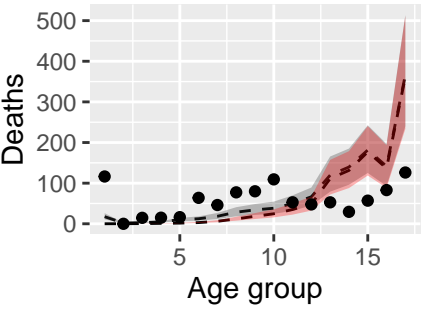
COVID-19 weekly prevalence  
(UTH mortuary)



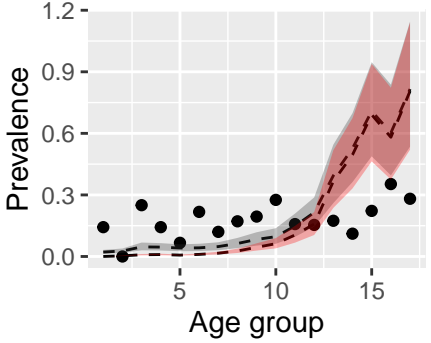
COVID-19 weekly positive tests  
(UTH mortuary)



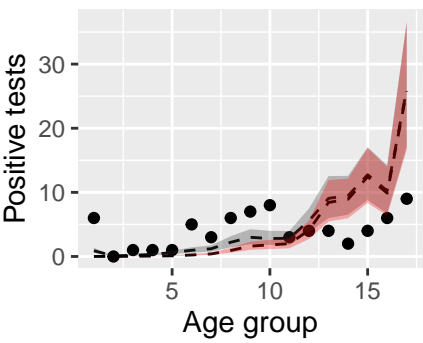
COVID-19 deaths by age  
(Lusaka)  
multinom II = -59.6



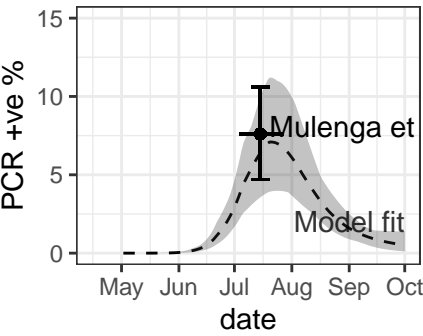
COVID-19 prevalence by age  
(UTH mortuary)



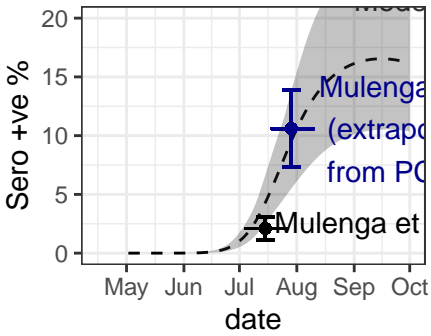
COVID-19 positive tests by age  
(UTH mortuary)



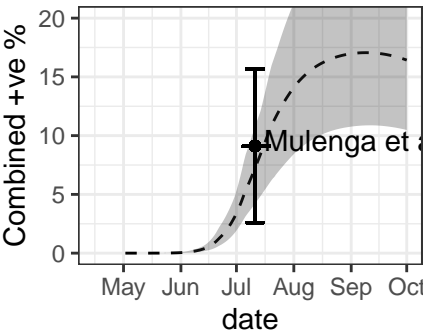
PCR prevalence  
binom II = -12 1



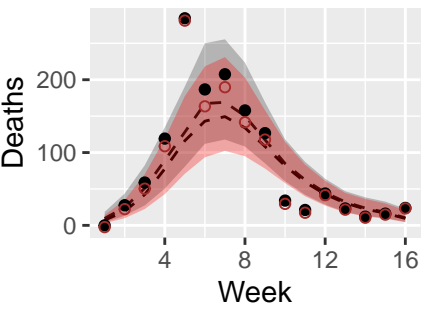
Seroprevalence  
binom II = -24 1



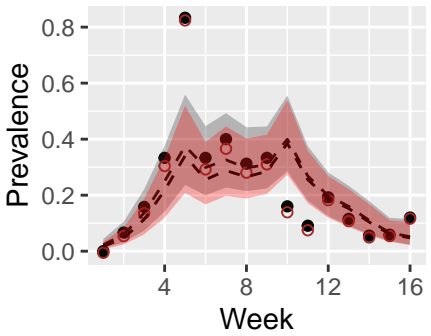
Combined prevalence  
binom II = -6 1



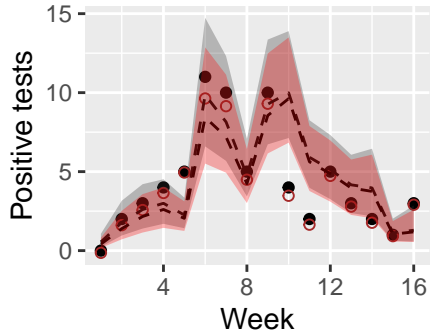
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



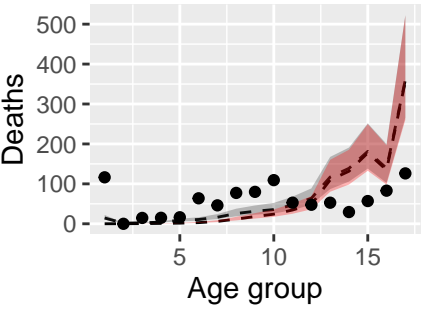
COVID-19 weekly prevalence  
(UTH mortuary)



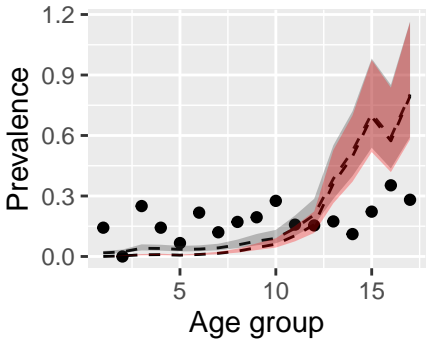
COVID-19 weekly positive tests  
(UTH mortuary)



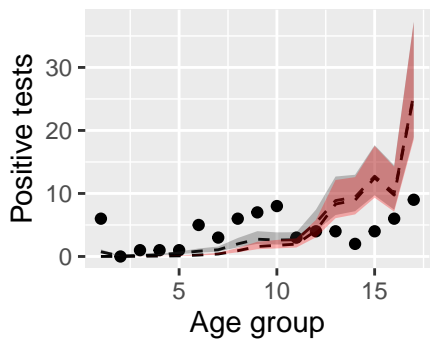
COVID-19 deaths by age  
(Lusaka)  
multinom II = -62.7



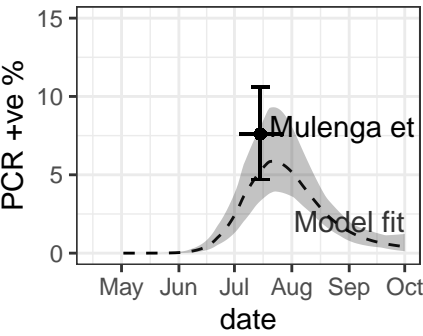
COVID-19 prevalence by age  
(UTH mortuary)



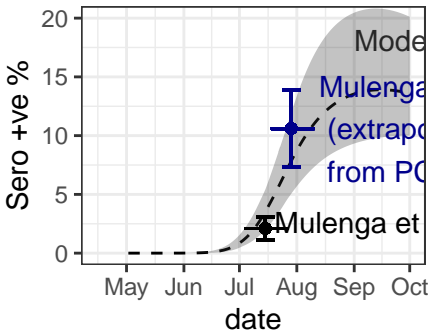
COVID-19 positive tests by age  
(UTH mortuary)



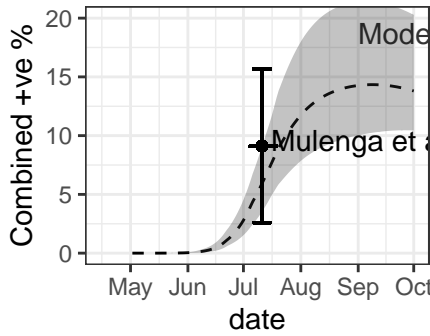
PCR prevalence  
binom II = -23 1



Seroprevalence  
binom II = -14 1

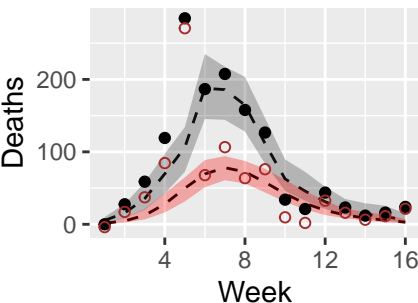


Combined prevalence  
binom II = -7 1

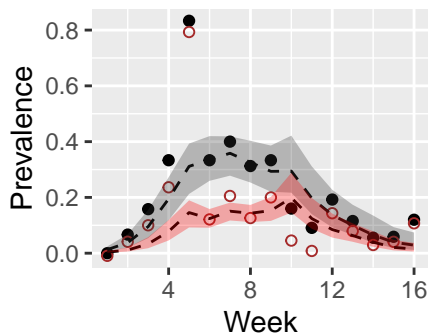


IFR x 0.2, Slope x 1.8

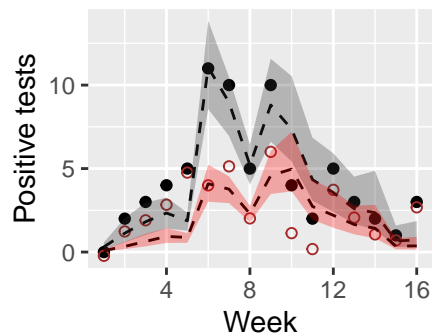
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



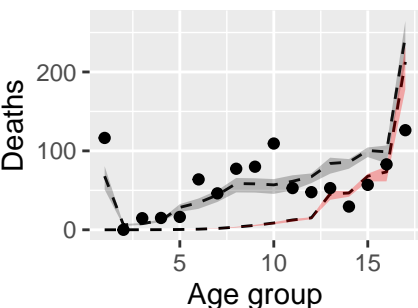
COVID-19 weekly prevalence  
(UTH mortuary)



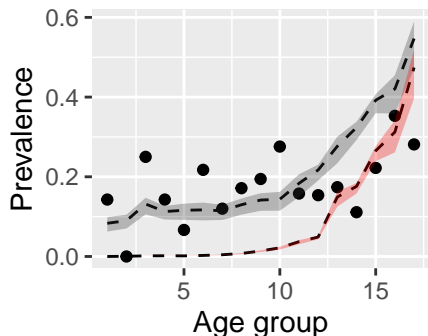
COVID-19 weekly positive tests  
(UTH mortuary)



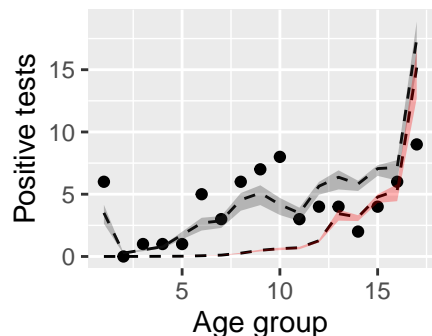
COVID-19 deaths by age  
(Lusaka)  
multinom II = -31.7



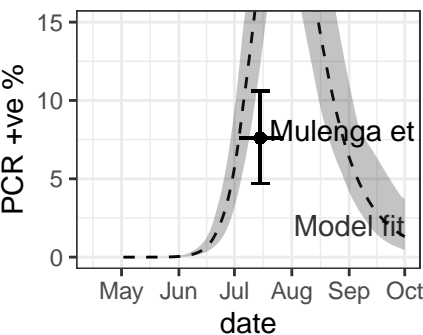
COVID-19 prevalence by age  
(UTH mortuary)



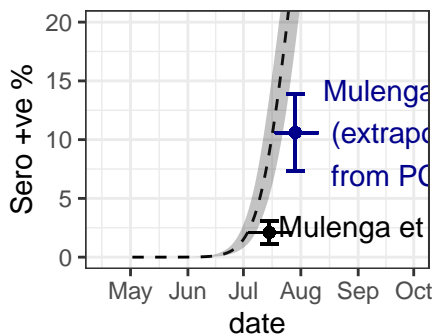
COVID-19 positive tests by age  
(UTH mortuary)



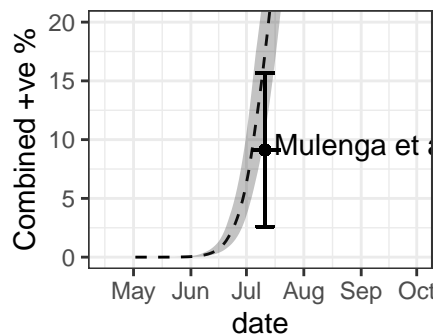
PCR prevalence  
binom II = -153 1



Seroprevalence  
binom II = -115 1

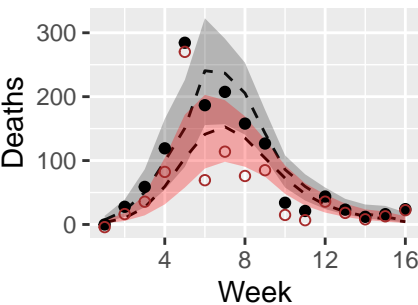


Combined prevalence  
binom II = -20 1

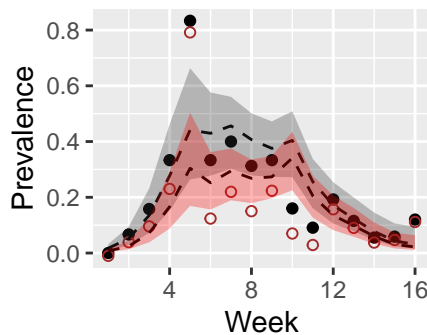


IFR x 0.4, Slope x 1.8

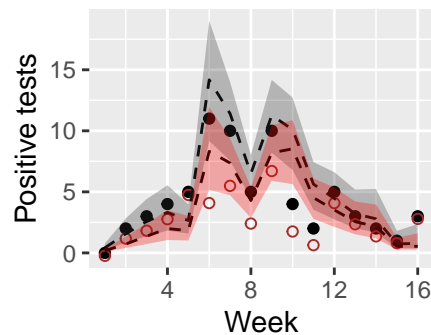
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



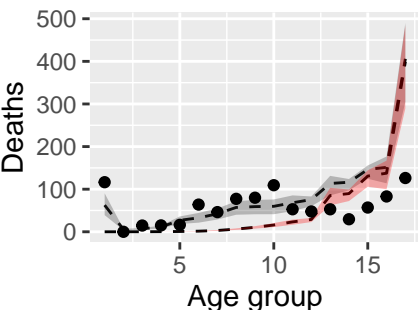
COVID-19 weekly prevalence  
(UTH mortuary)



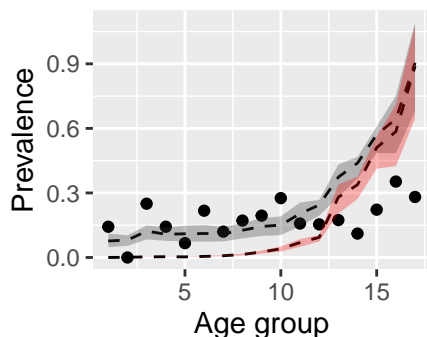
COVID-19 weekly positive tests  
(UTH mortuary)



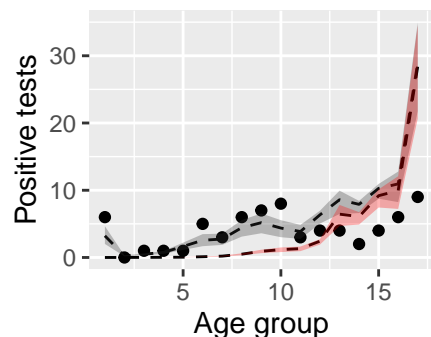
COVID-19 deaths by age  
(Lusaka)  
multinom II = -39.4



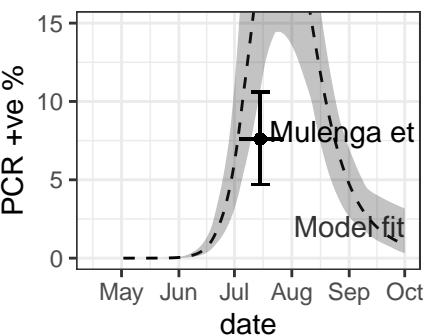
COVID-19 prevalence by age  
(UTH mortuary)



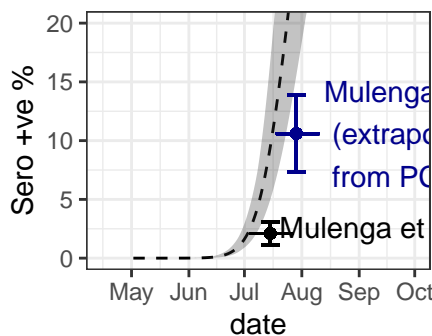
COVID-19 positive tests by age  
(UTH mortuary)



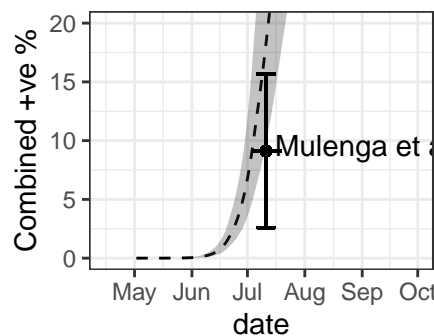
PCR prevalence  
binom II = -169 1



Seroprevalence  
binom II = -129 1

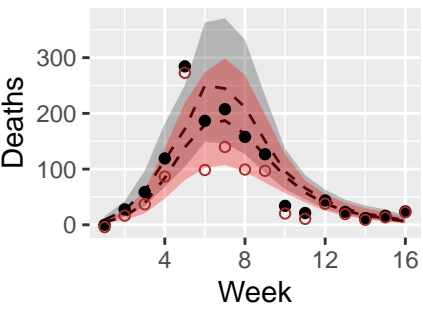


Combined prevalence  
binom II = -22 1

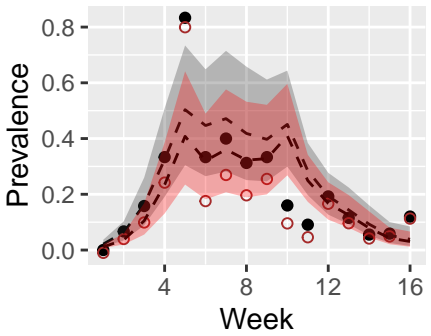


IFR x 0.6, Slope x 1.8

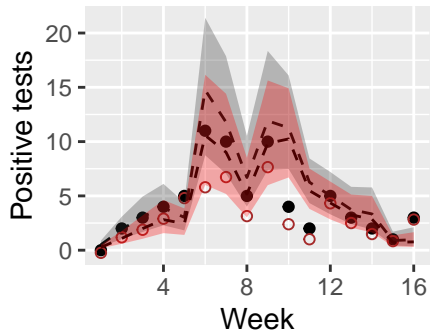
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



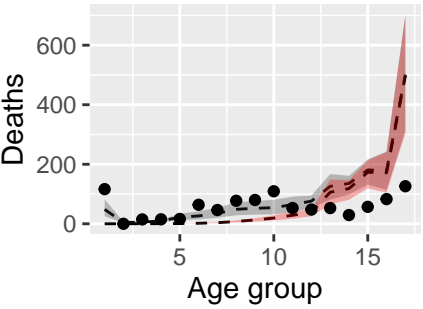
COVID-19 weekly prevalence  
(UTH mortuary)



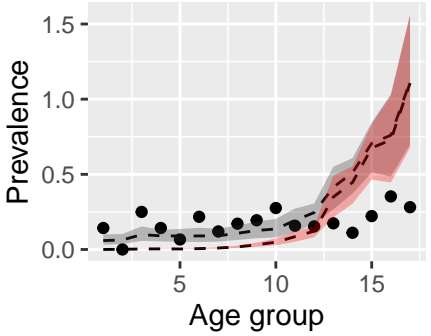
COVID-19 weekly positive tests  
(UTH mortuary)



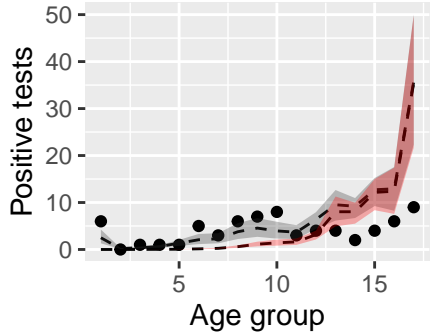
COVID-19 deaths by age  
(Lusaka)  
multinom II = -47.8



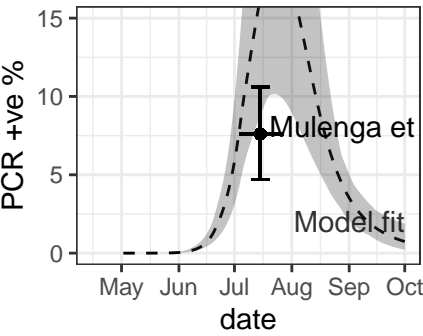
COVID-19 prevalence by age  
(UTH mortuary)



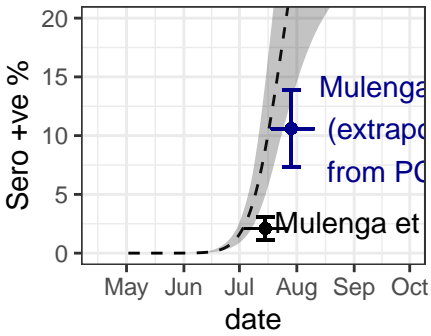
COVID-19 positive tests by age  
(UTH mortuary)



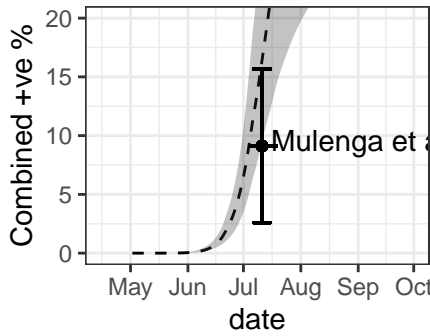
PCR prevalence  
binom II = -116 1



Seroprevalence  
binom II = -115 1

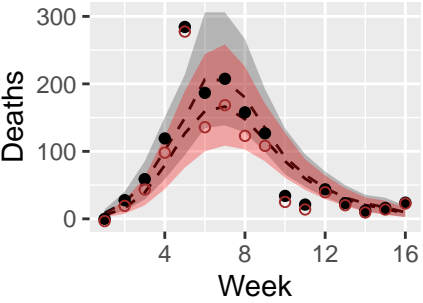


Combined prevalence  
binom II = -16 1

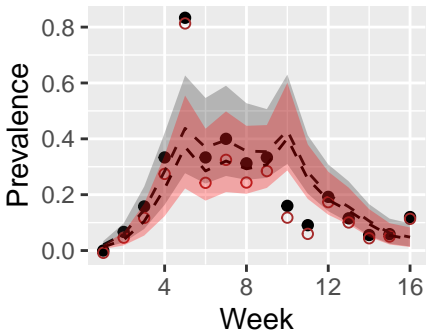


IFR x 0.8, Slope x 1.8

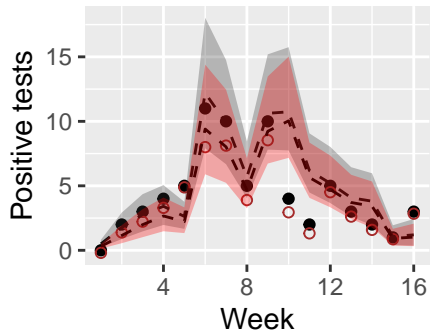
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -33 1



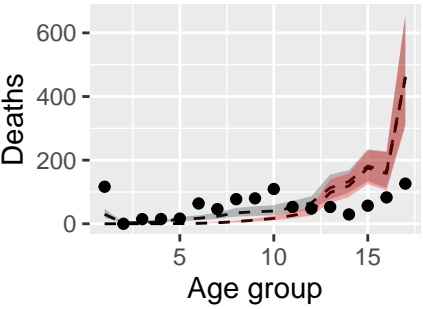
COVID-19 weekly prevalence  
(UTH mortuary)



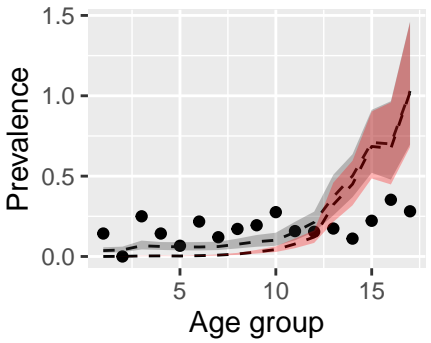
COVID-19 weekly positive tests  
(UTH mortuary)



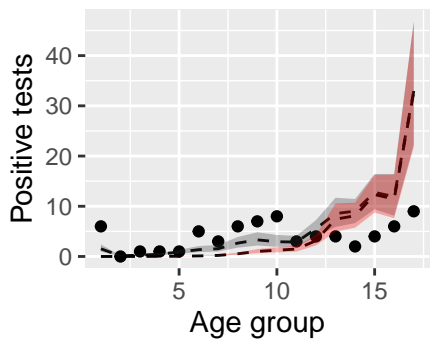
COVID-19 deaths by age  
(Lusaka)  
multinom II = -55.9



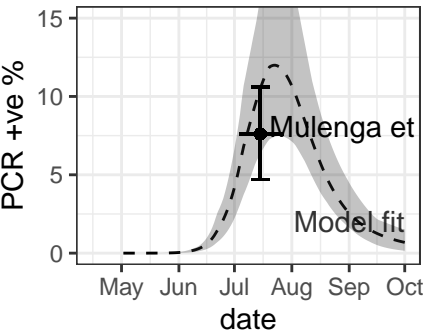
COVID-19 prevalence by age  
(UTH mortuary)



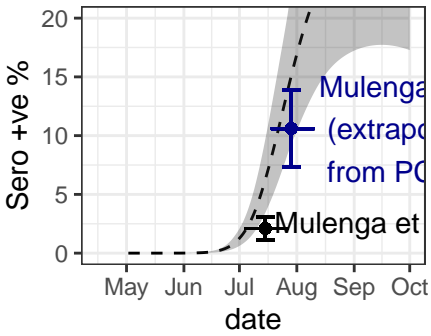
COVID-19 positive tests by age  
(UTH mortuary)



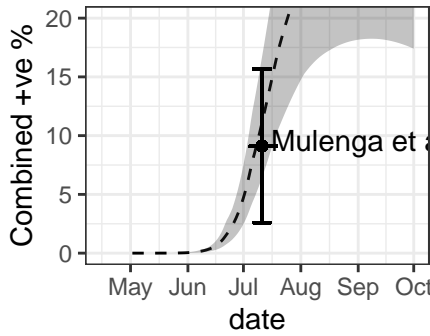
PCR prevalence  
binom II = -25 1



Seroprevalence  
binom II = -59 1

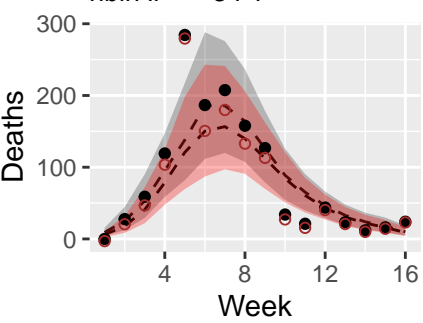


Combined prevalence  
binom II = -7 1

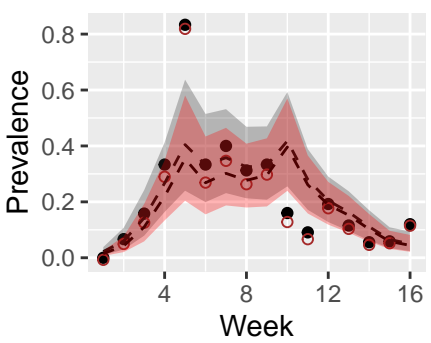


IFR x 1, Slope x 1.8

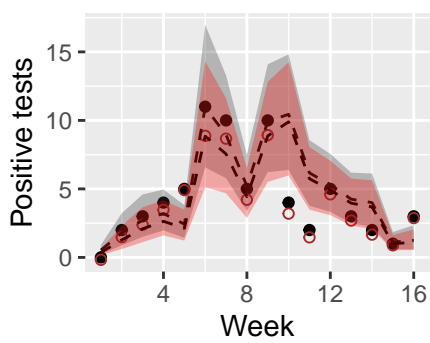
COVID-19 weekly deaths  
(Lusaka)  
nbIn II = -34 1



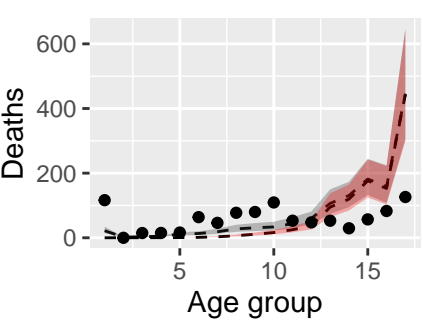
COVID-19 weekly prevalence  
(UTH mortuary)



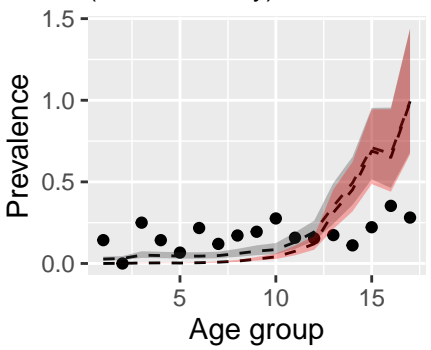
COVID-19 weekly positive tests  
(UTH mortuary)



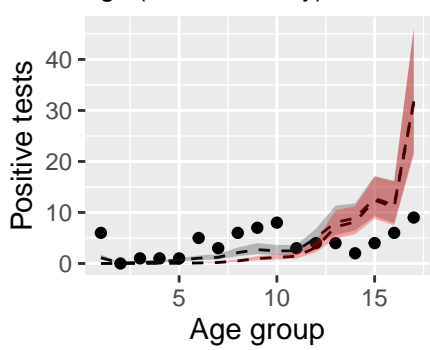
COVID-19 deaths by age  
(Lusaka)  
multinom II = -61.8



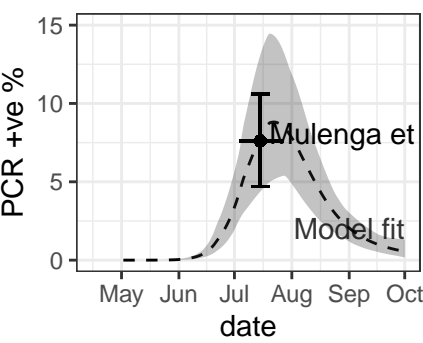
COVID-19 prevalence by age  
(UTH mortuary)



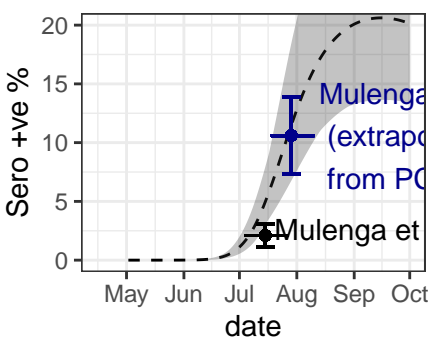
COVID-19 positive tests by age  
(UTH mortuary)



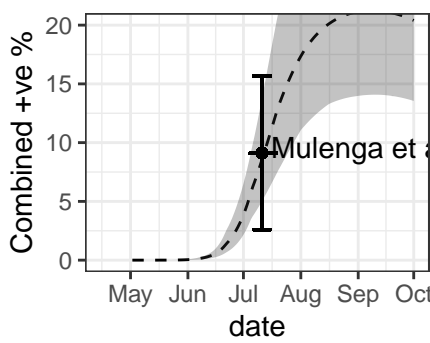
PCR prevalence  
binom II = -9 1



Seroprevalence  
binom II = -35 1

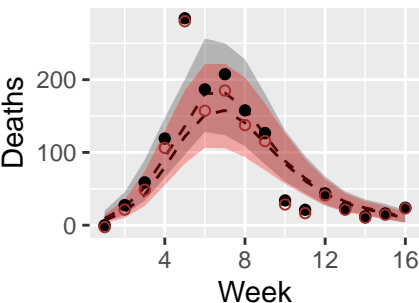


Combined prevalence  
binom II = -5 1

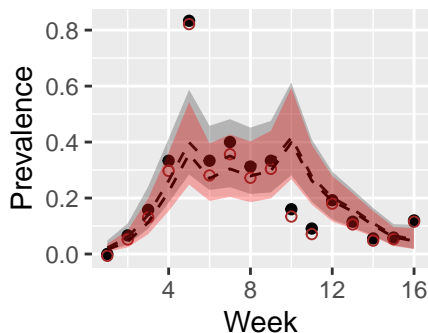


IFR x 1.2, Slope x 1.8

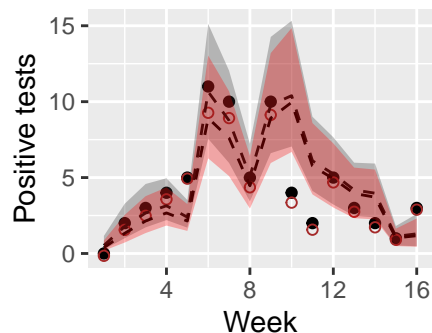
COVID-19 weekly deaths  
(Lusaka)  
nbin II = -34 1



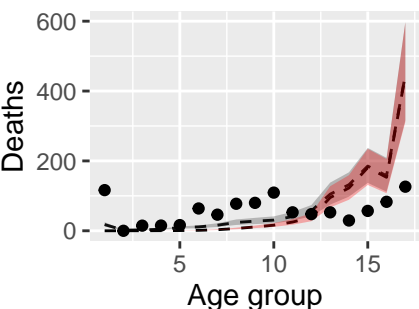
COVID-19 weekly prevalence  
(UTH mortuary)



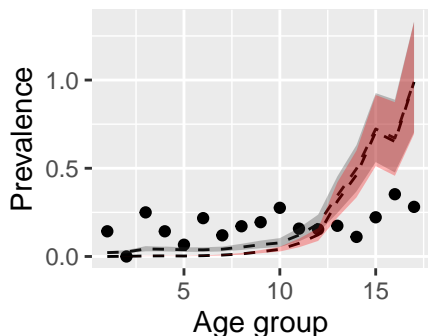
COVID-19 weekly positive tests  
(UTH mortuary)



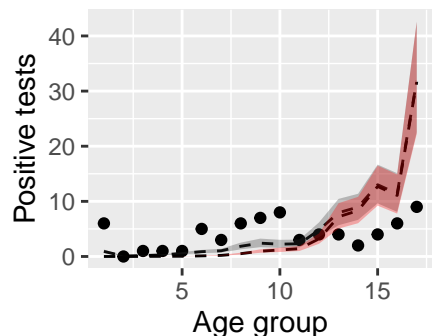
COVID-19 deaths by age  
(Lusaka)  
multinom II = -66.3



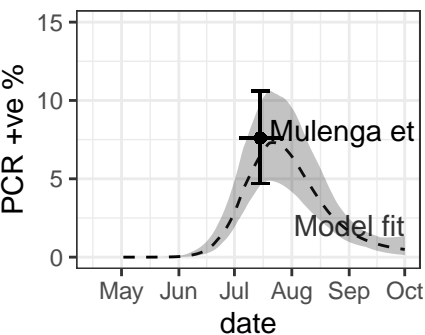
COVID-19 prevalence by age  
(UTH mortuary)



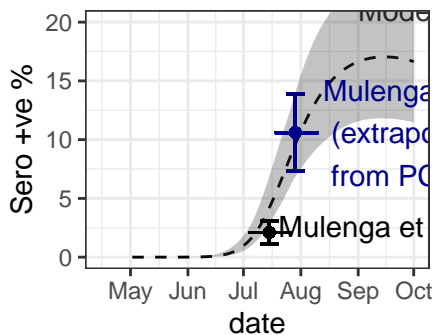
COVID-19 positive tests by age  
(UTH mortuary)



PCR prevalence  
binom II = -11 1



Seroprevalence  
binom II = -23 1



Combined prevalence  
binom II = -6 1

