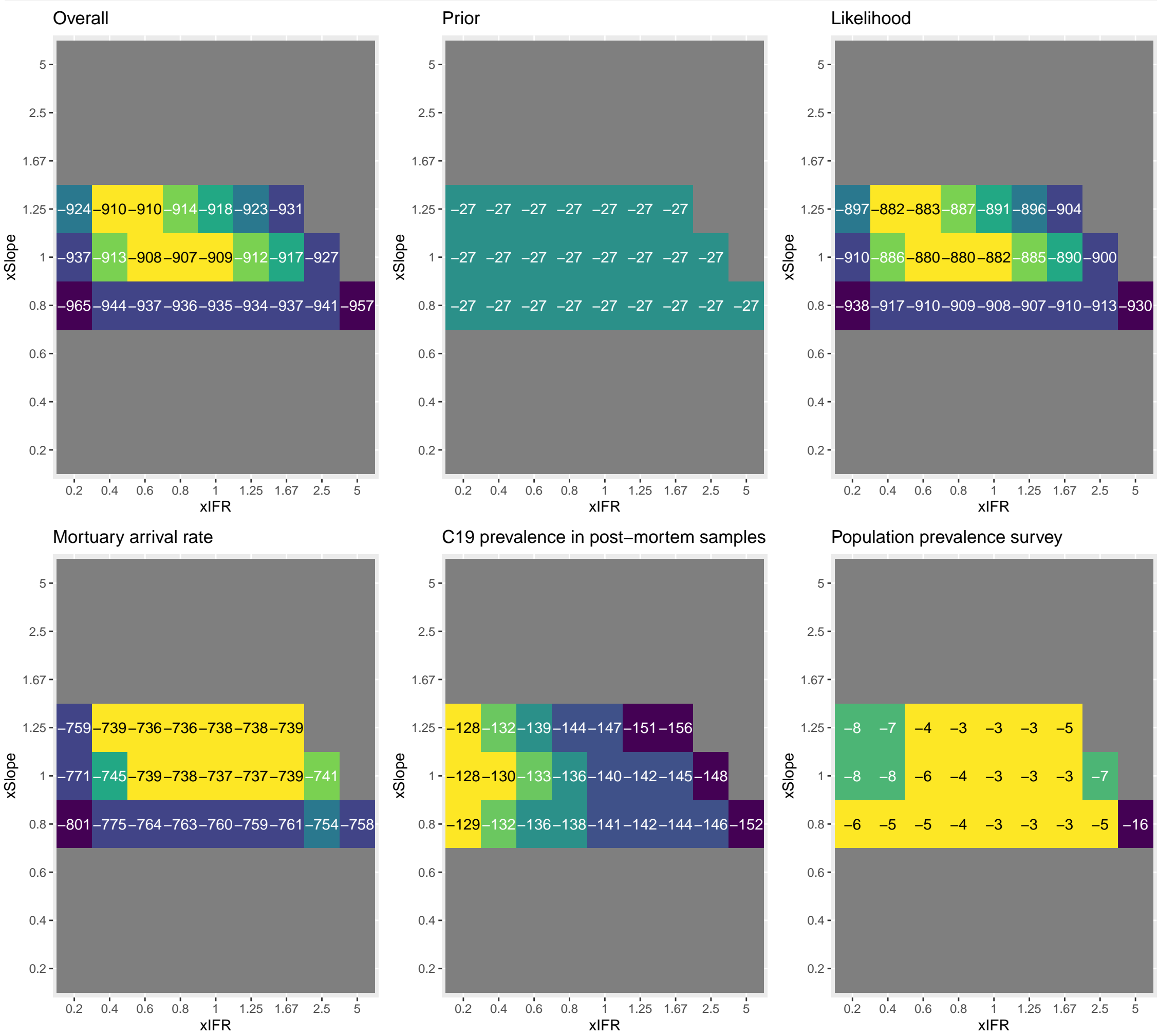
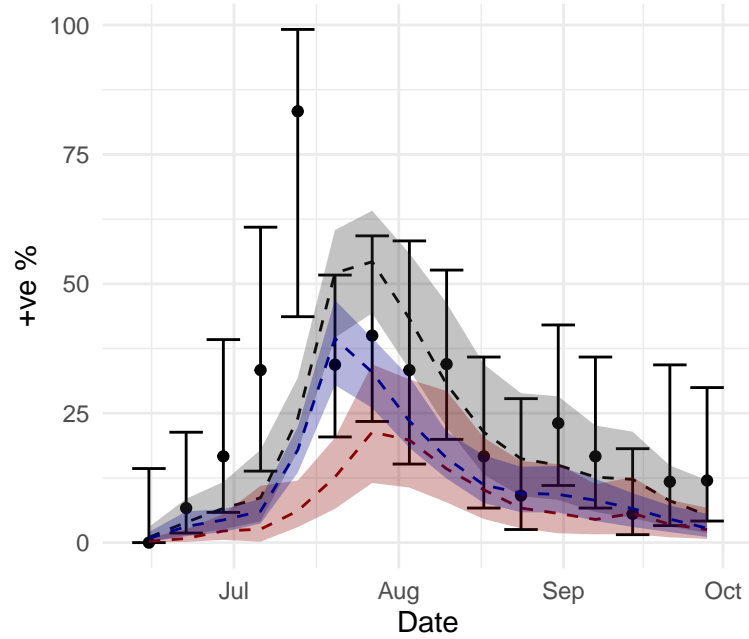


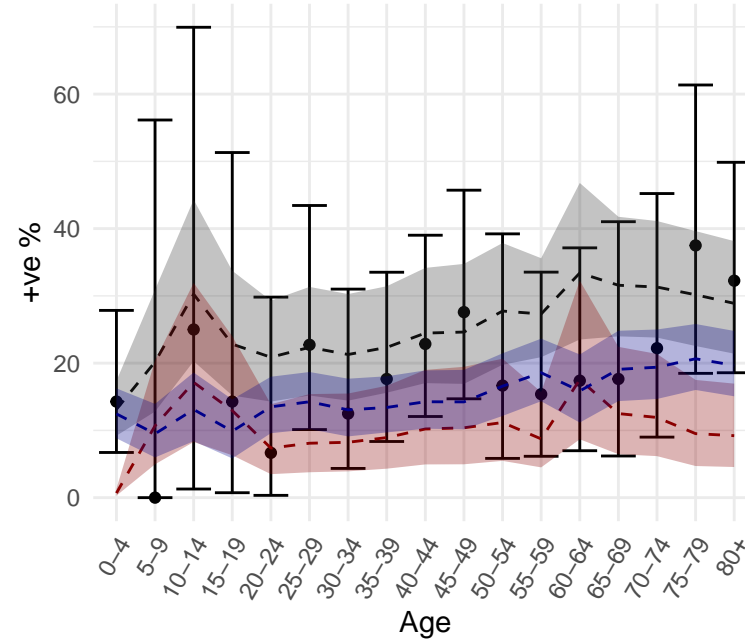
Rt\_rw prior set to 3



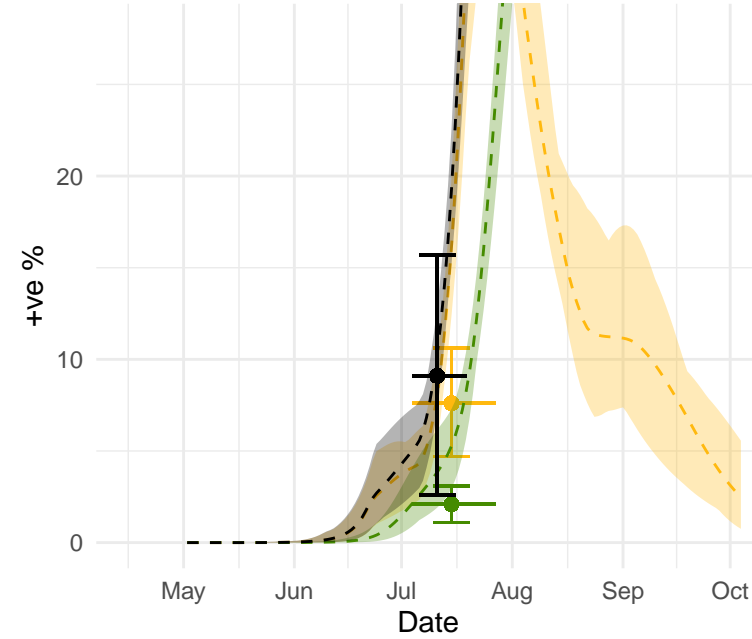
IFR x 0.2, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

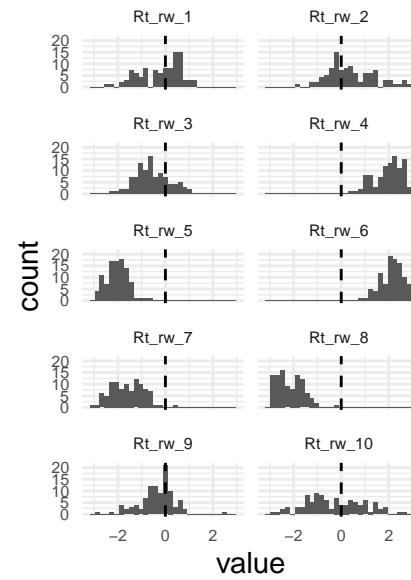
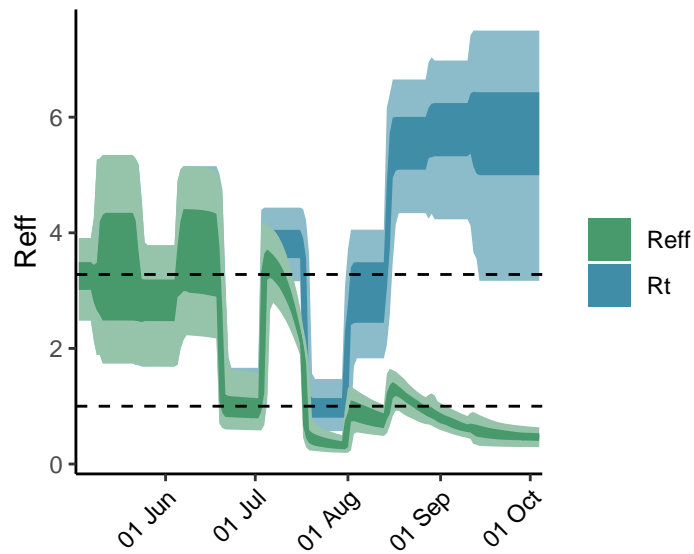


COVID-19 prevalence  
Lusaka/Zambia

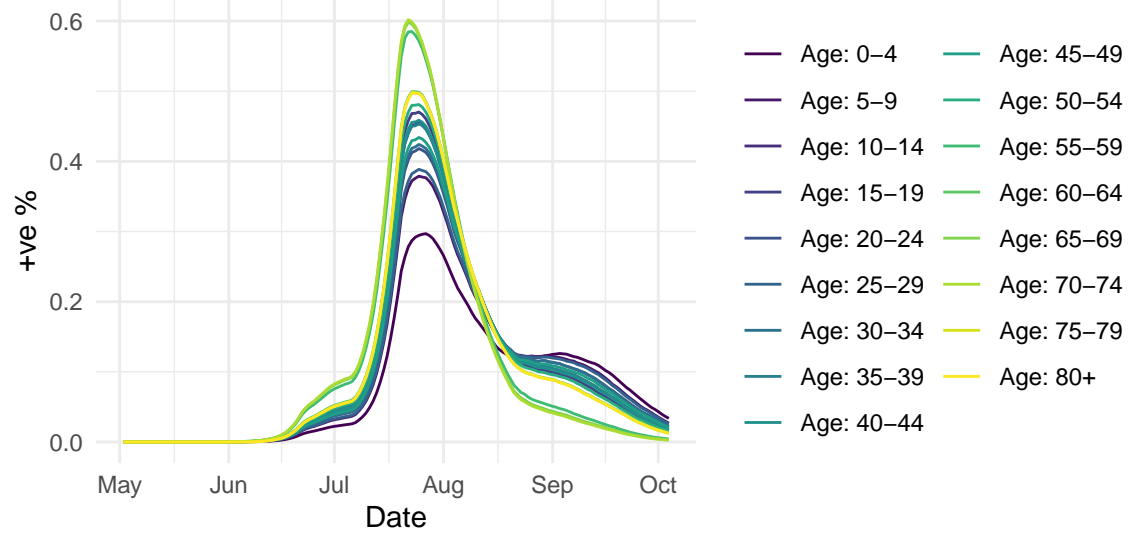


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

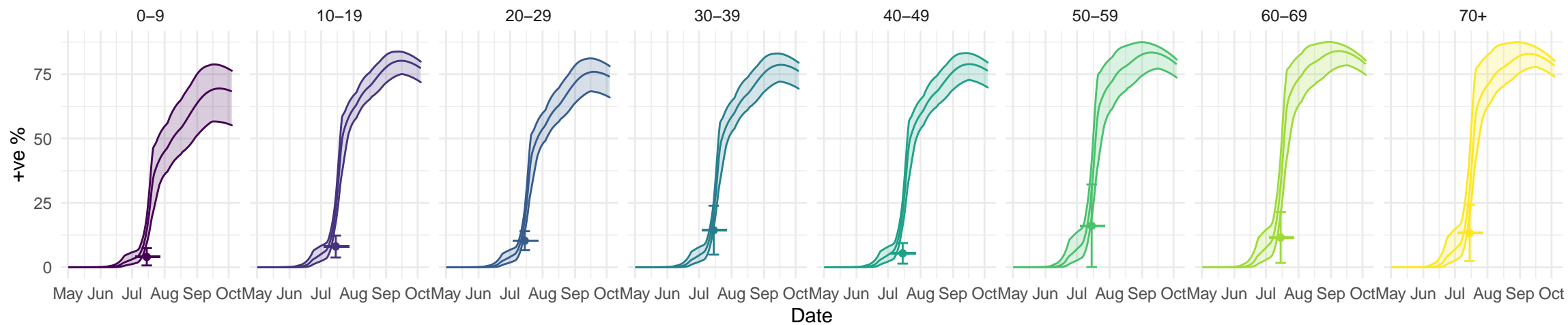
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

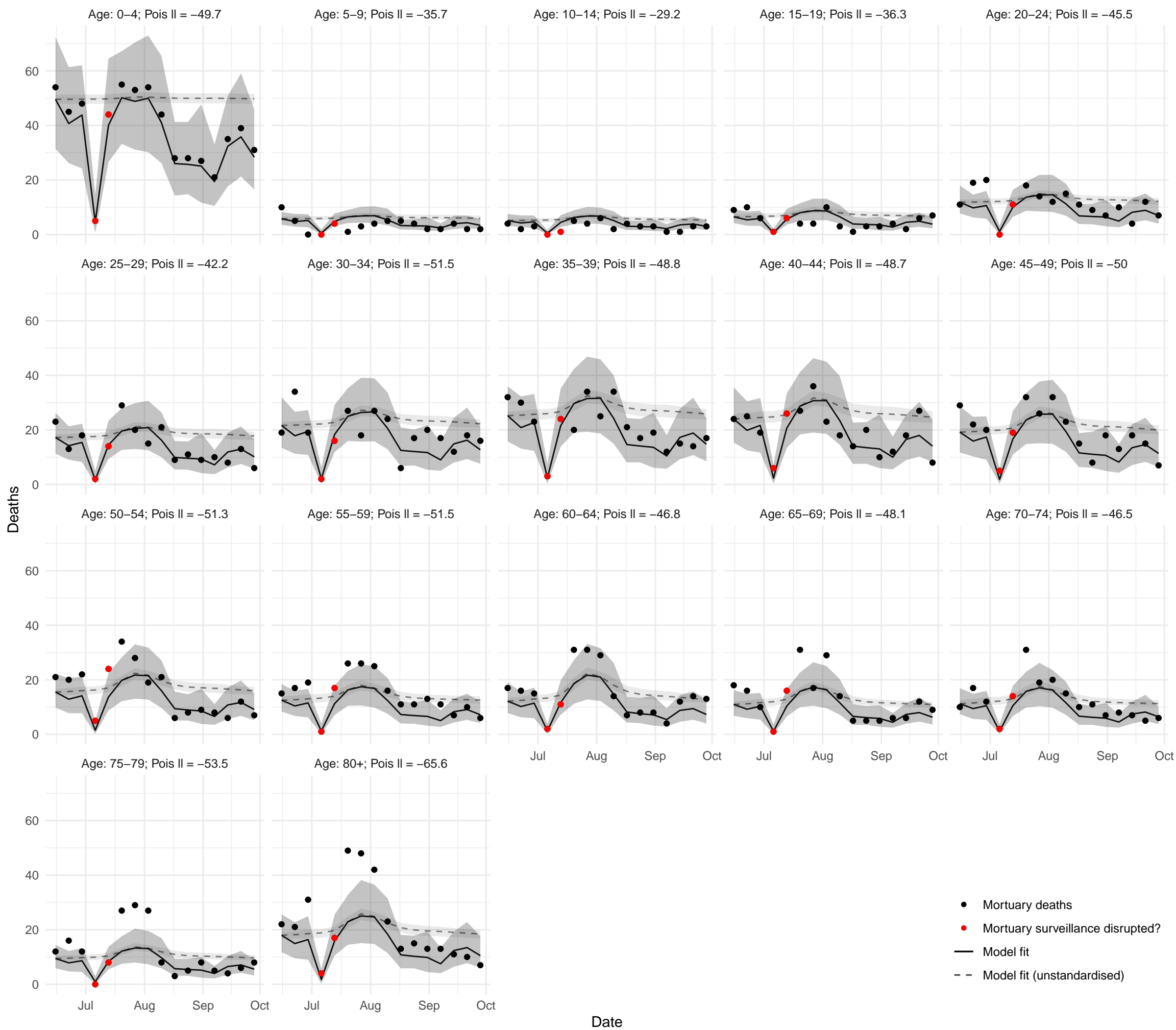


Modelled PCR %

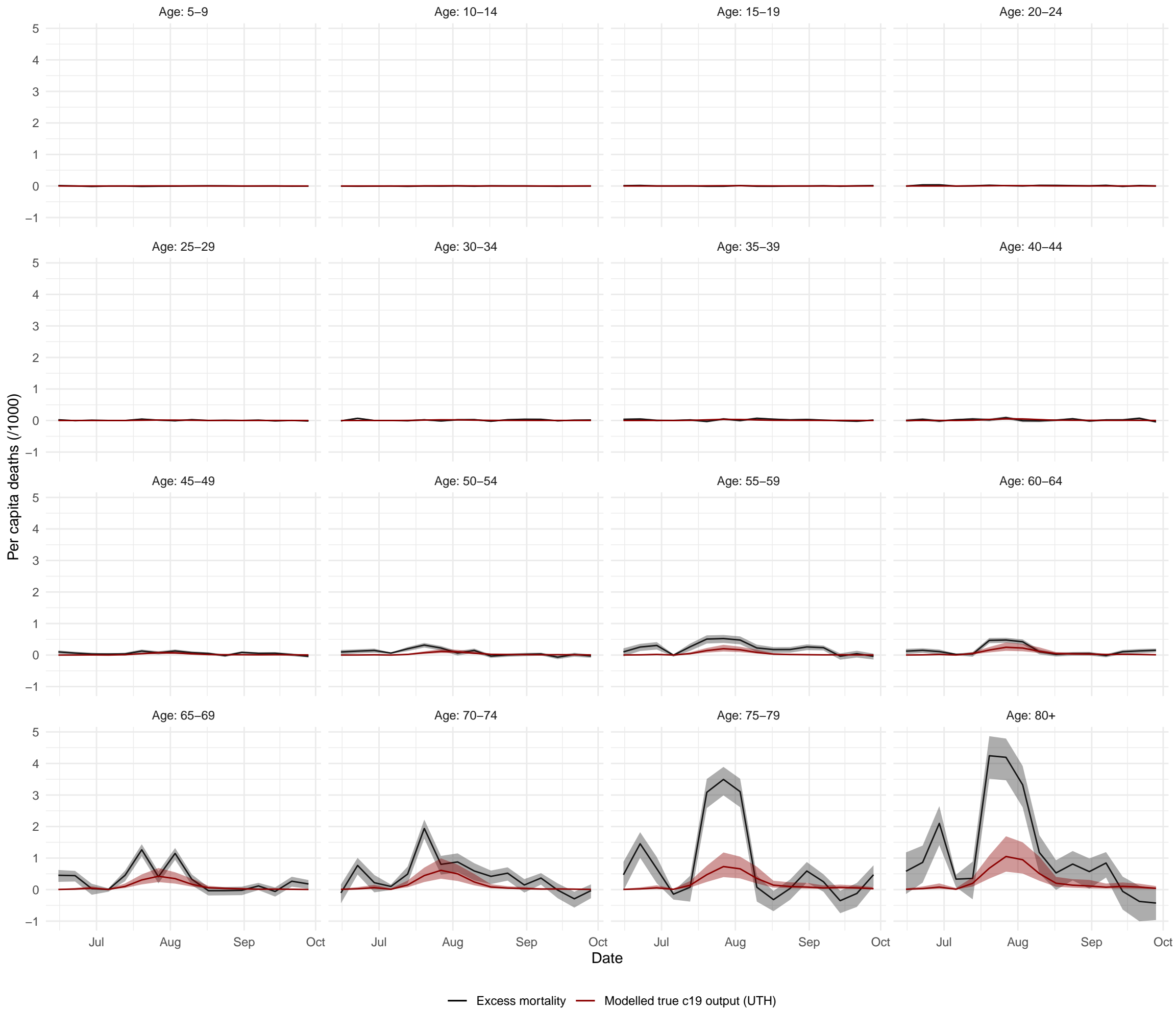


Modelled combined prevalence, Lusaka/Zambia

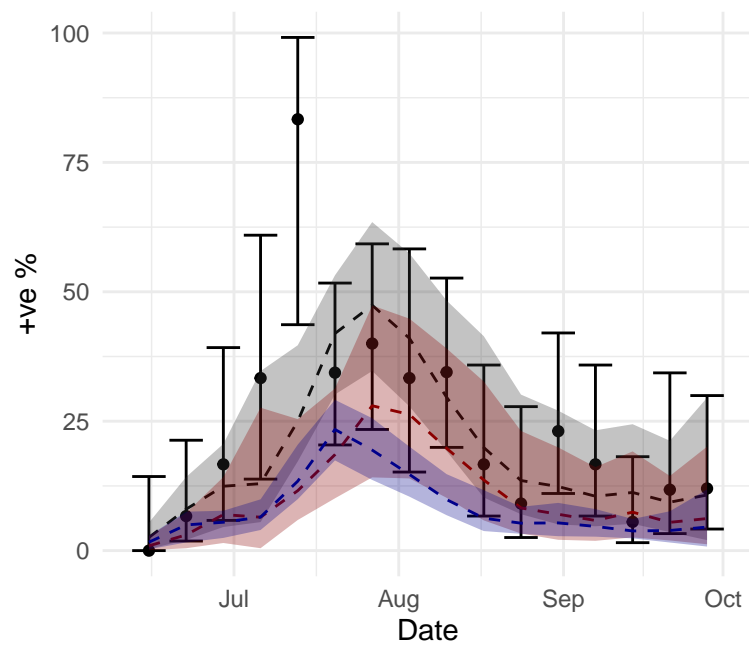




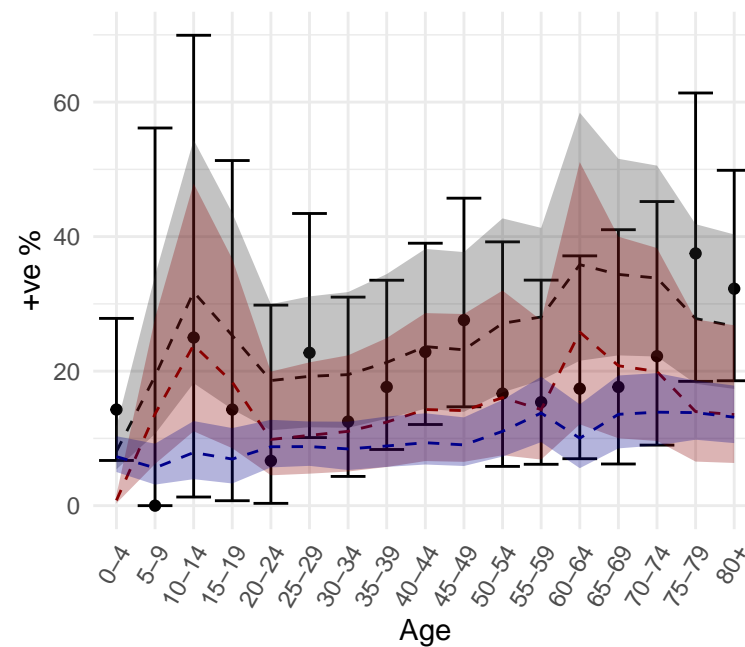
IFR x 0.2, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



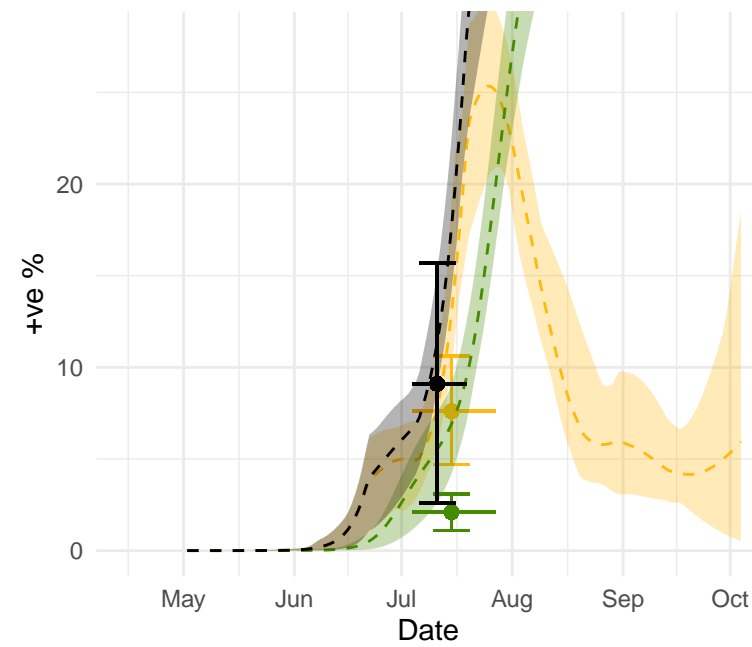
IFR x 0.4, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

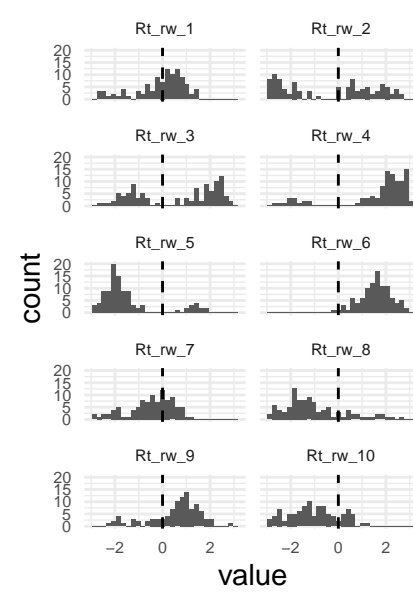
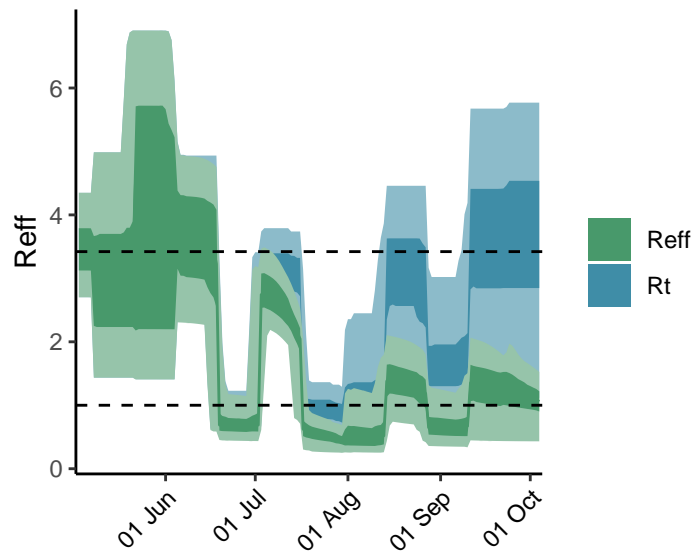


COVID-19 prevalence  
Lusaka/Zambia

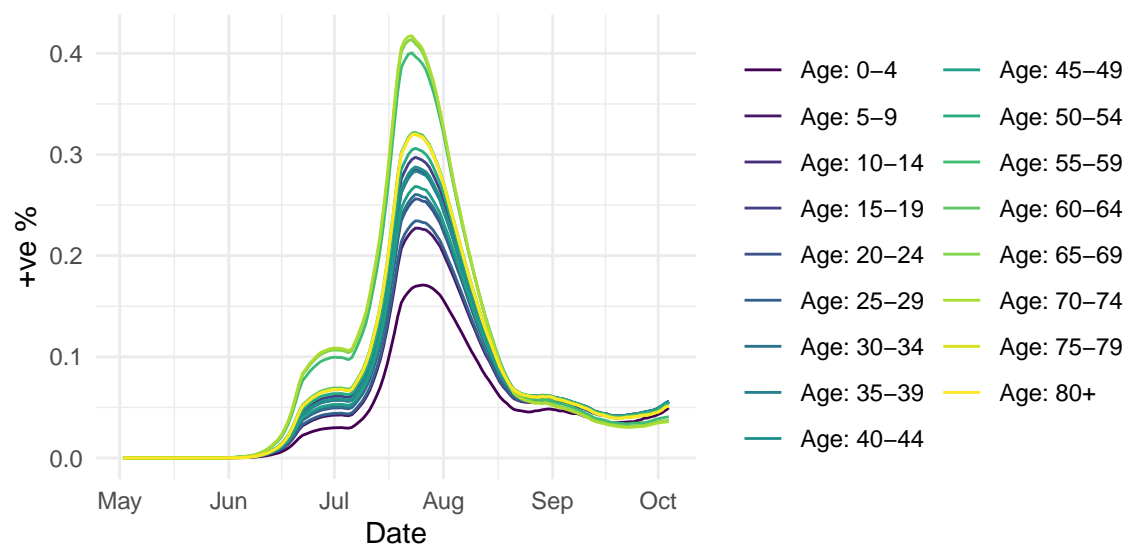


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

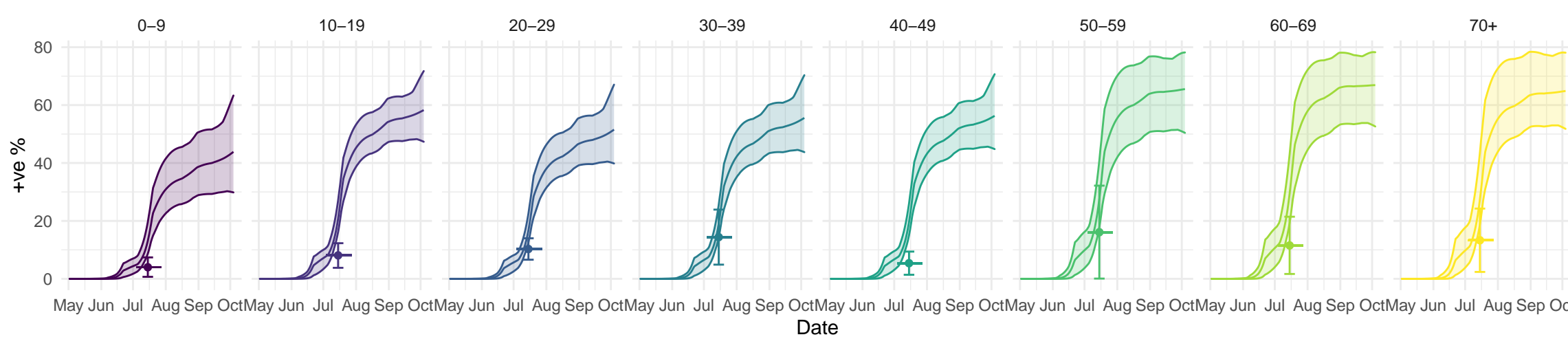
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

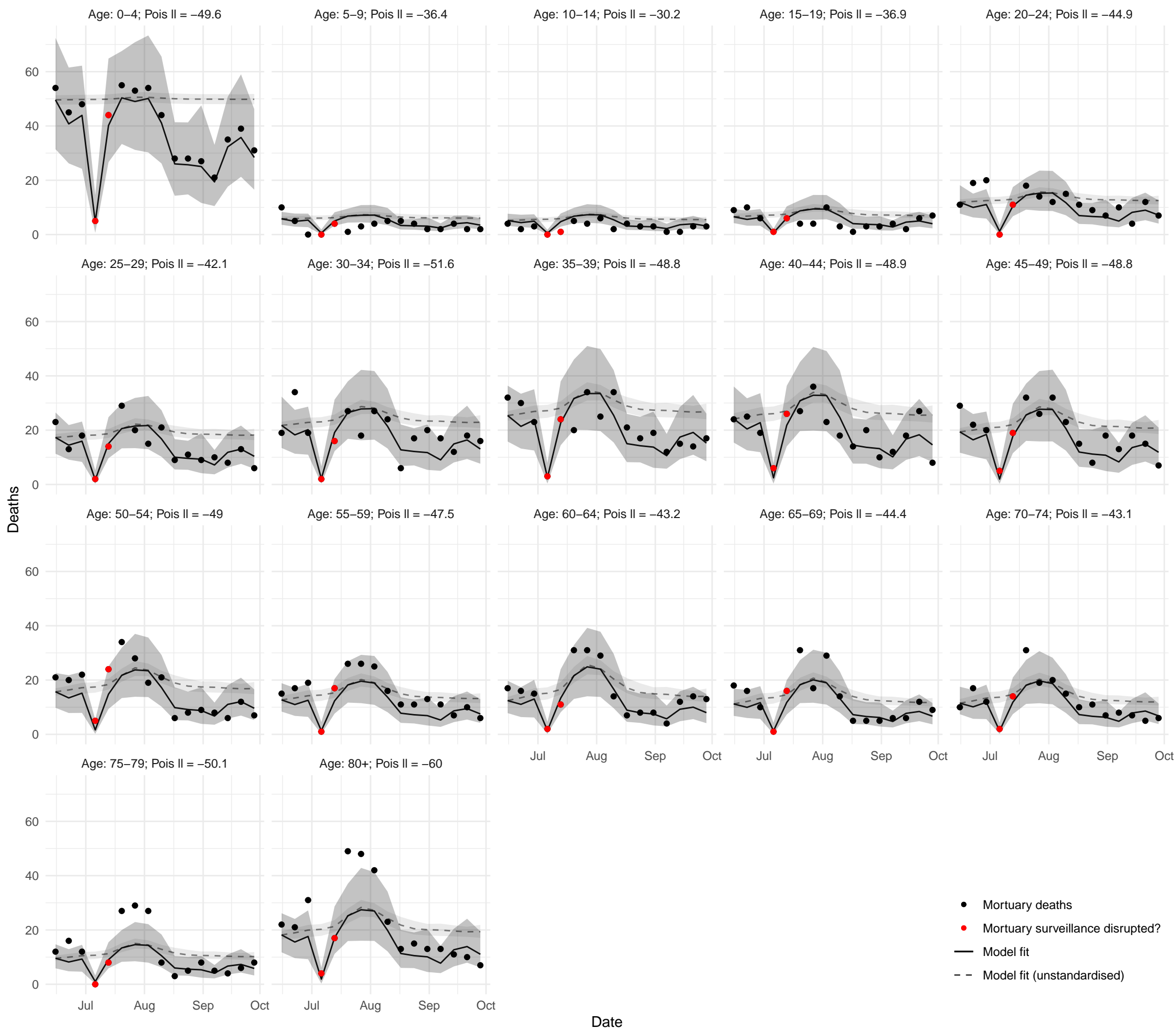


Modelled PCR %

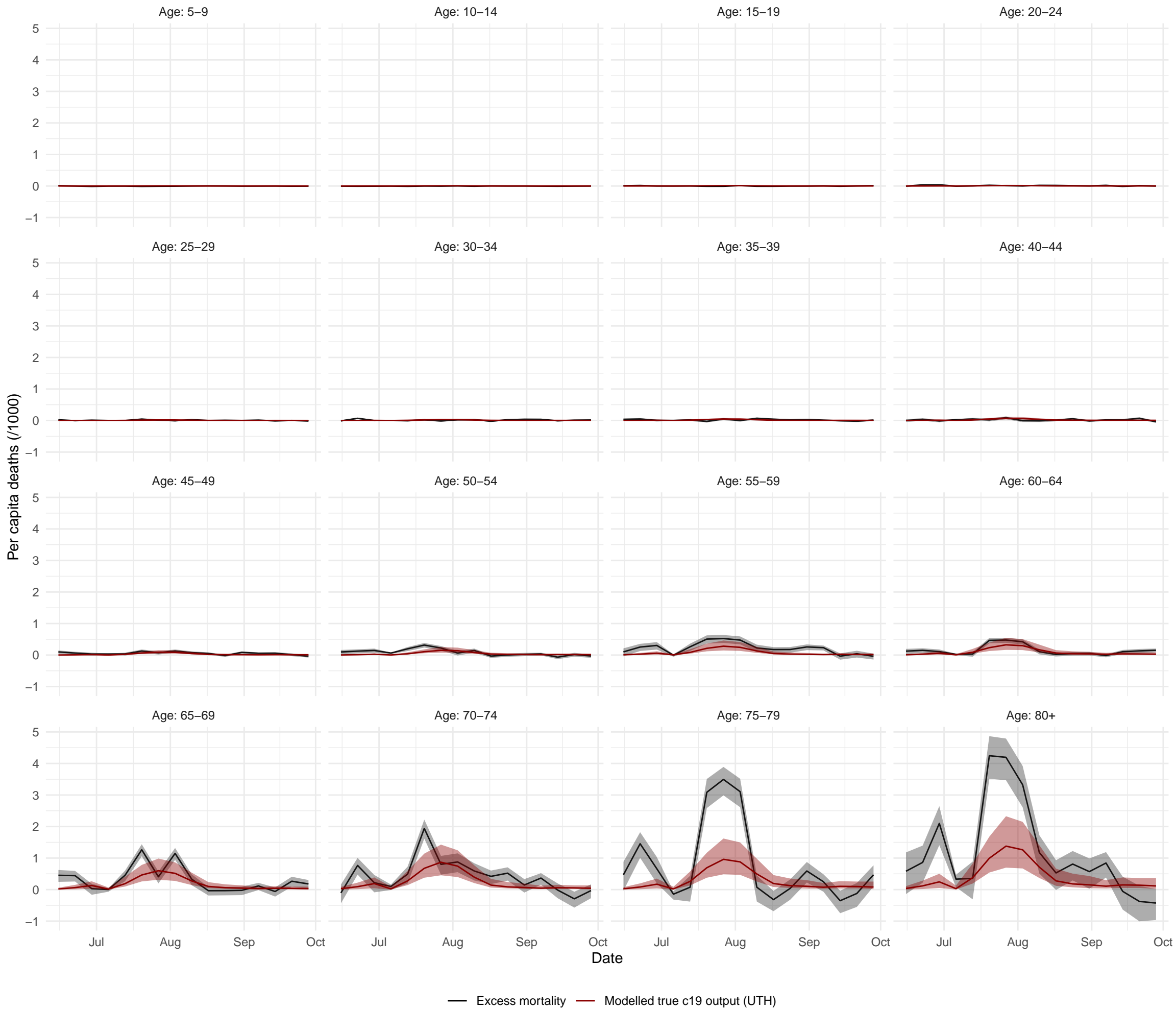


Modelled combined prevalence, Lusaka/Zambia

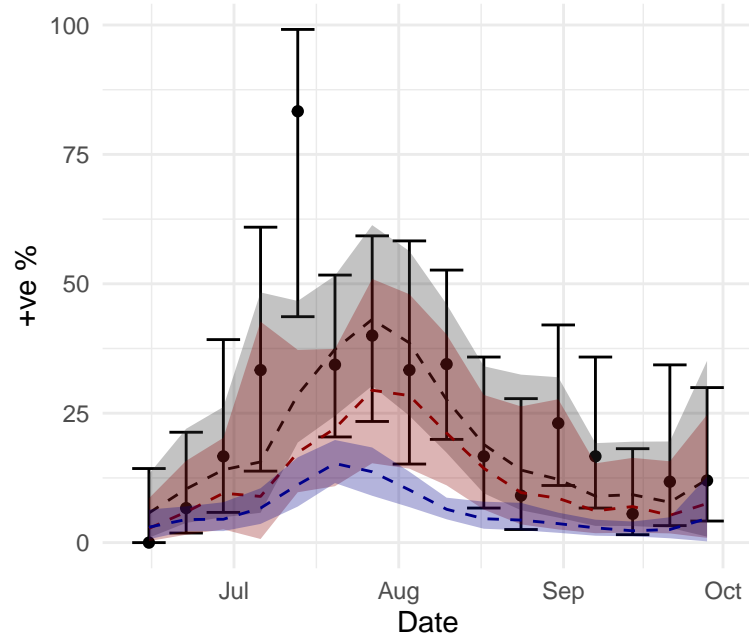




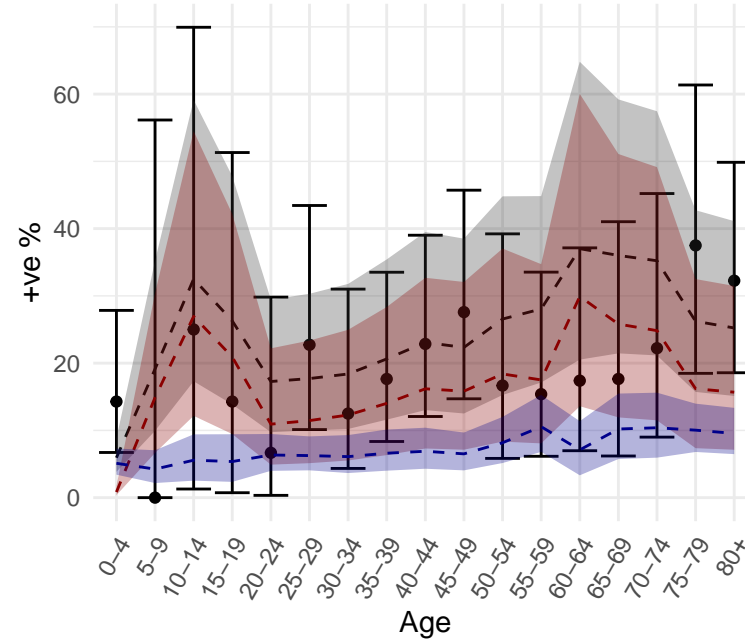
IFR x 0.4, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



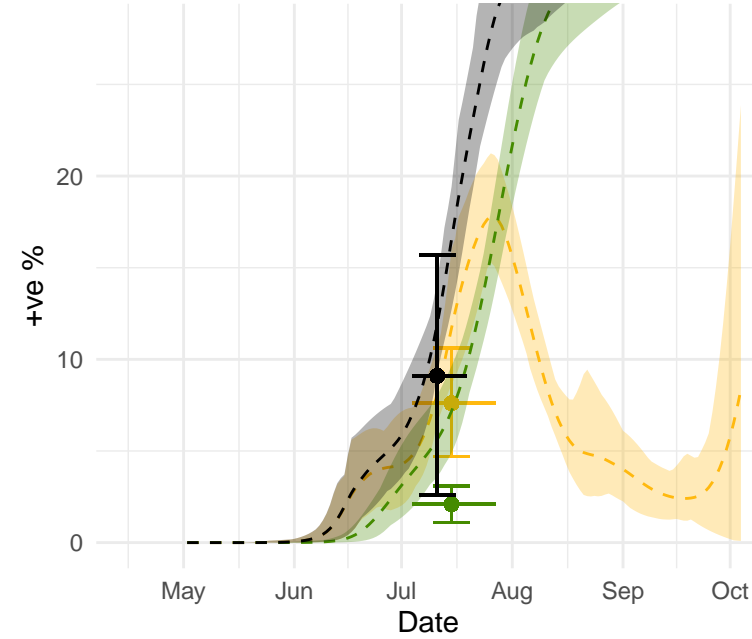
IFR x 0.6, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

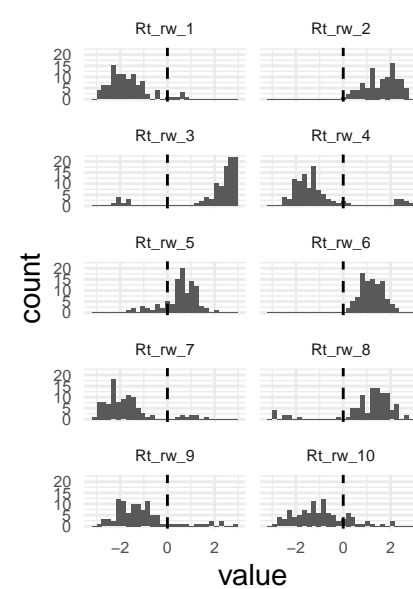
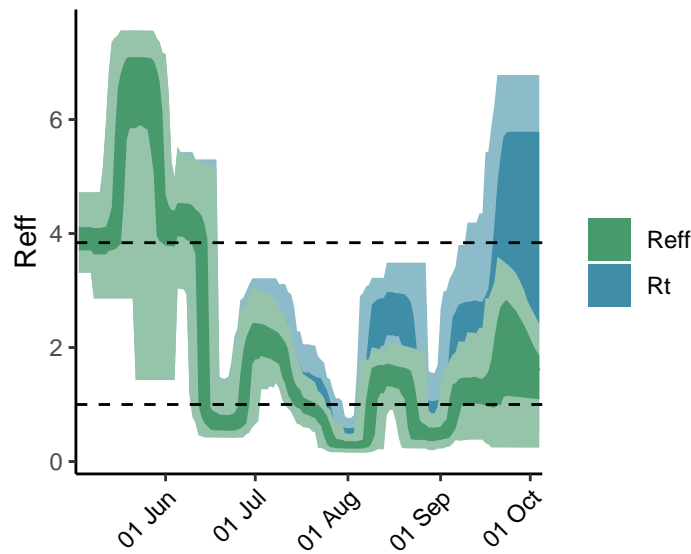


COVID-19 prevalence  
Lusaka/Zambia

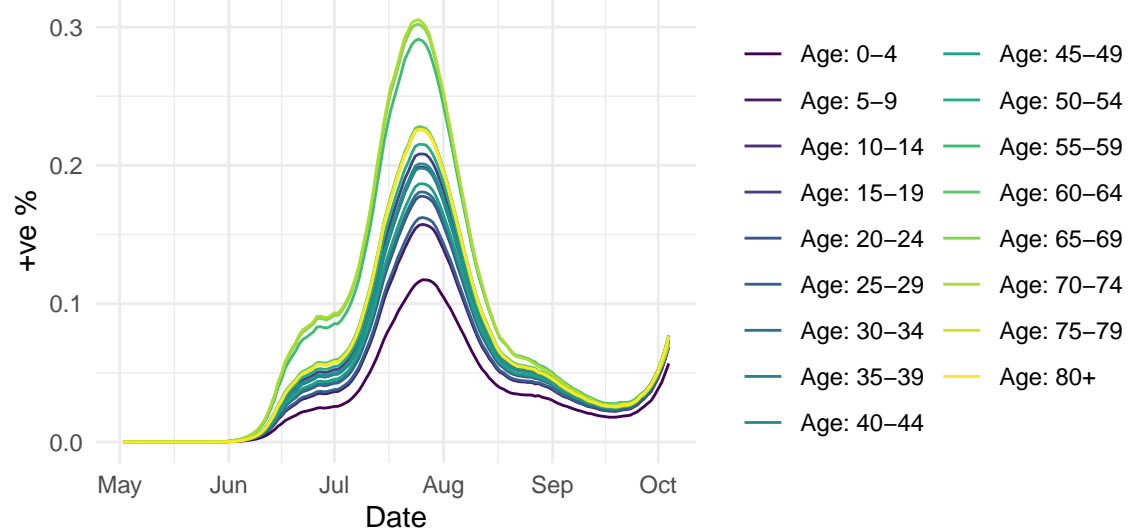


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

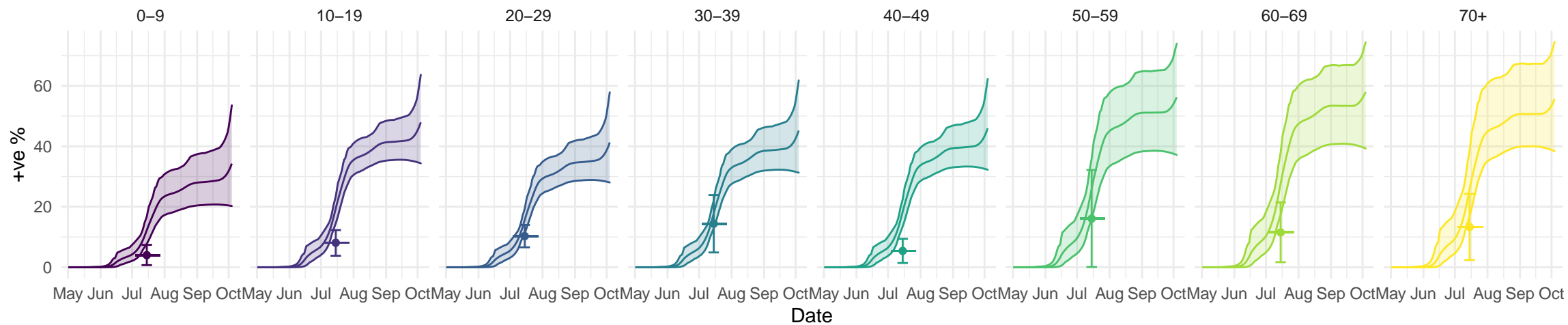
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



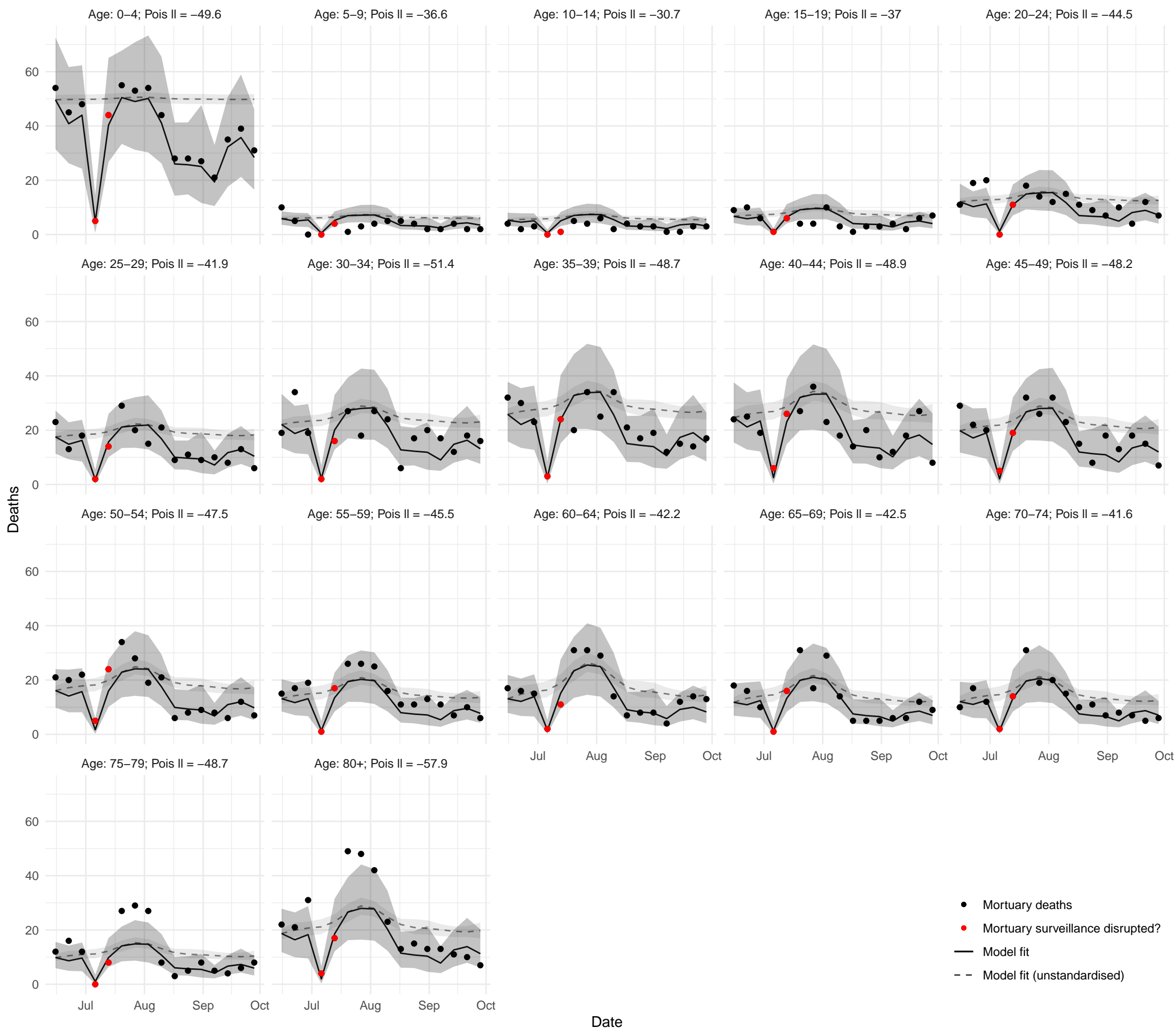
Modelled PCR %



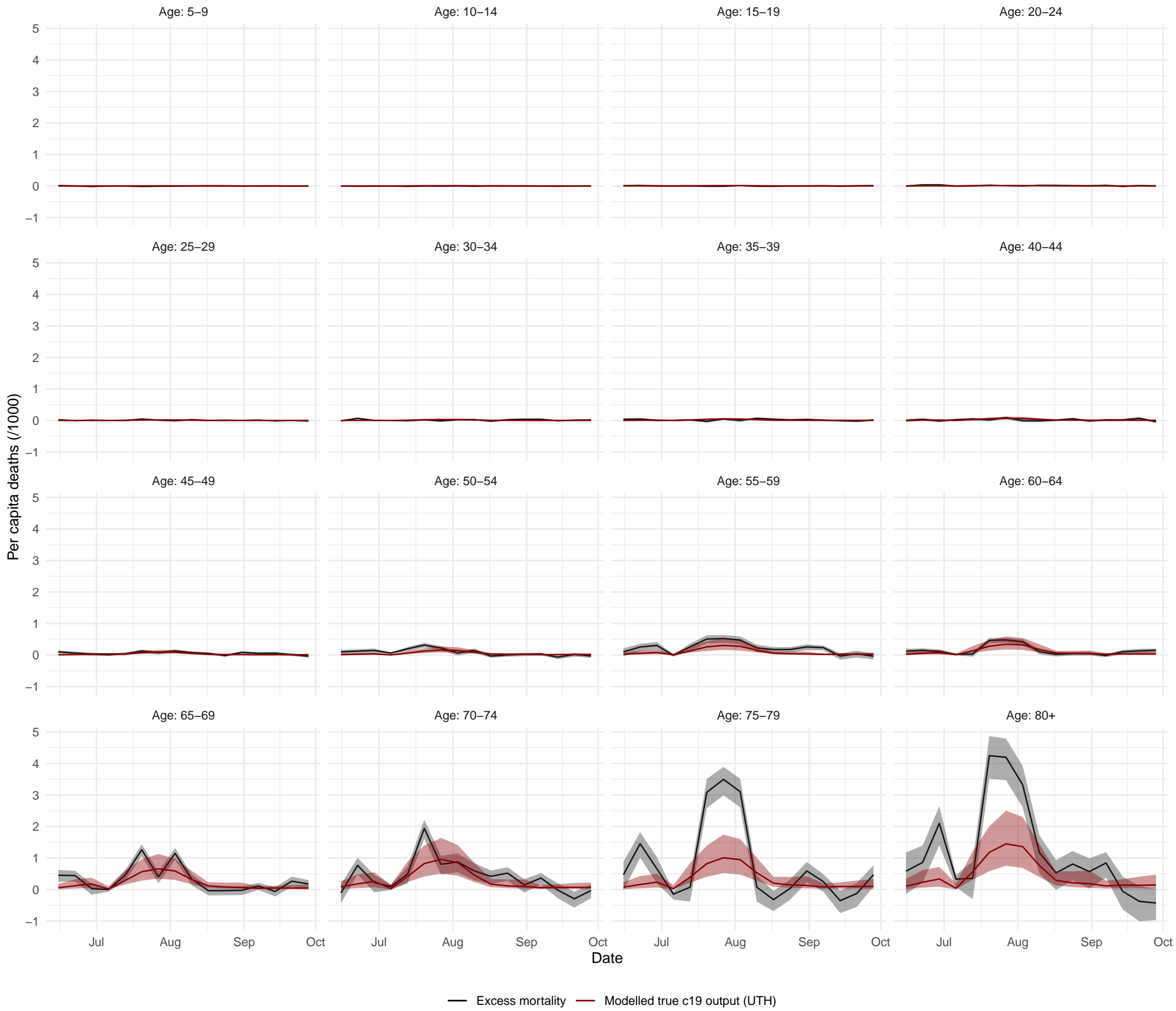
Modelled combined prevalence, Lusaka/Zambia



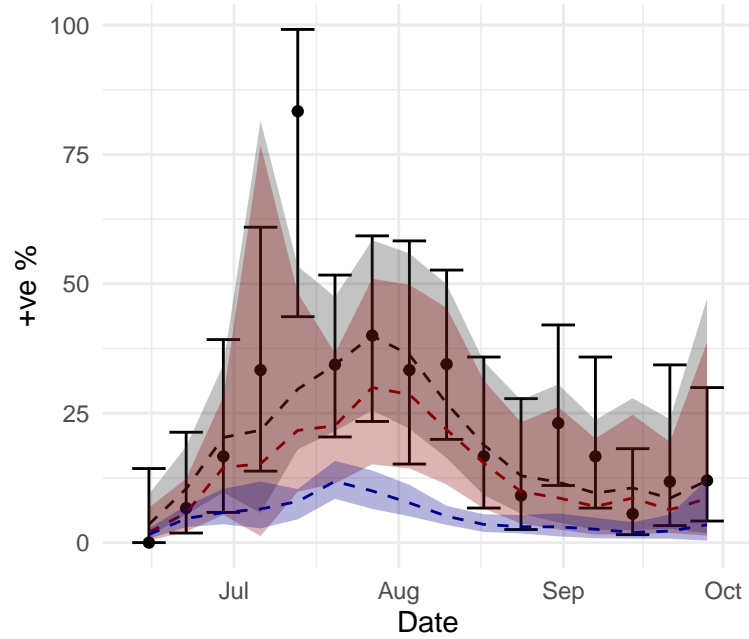




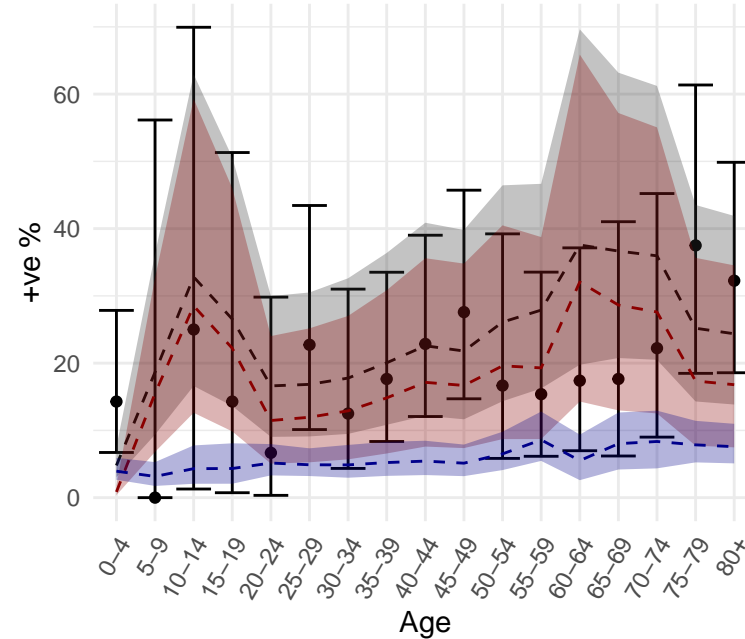
IFR x 0.6, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



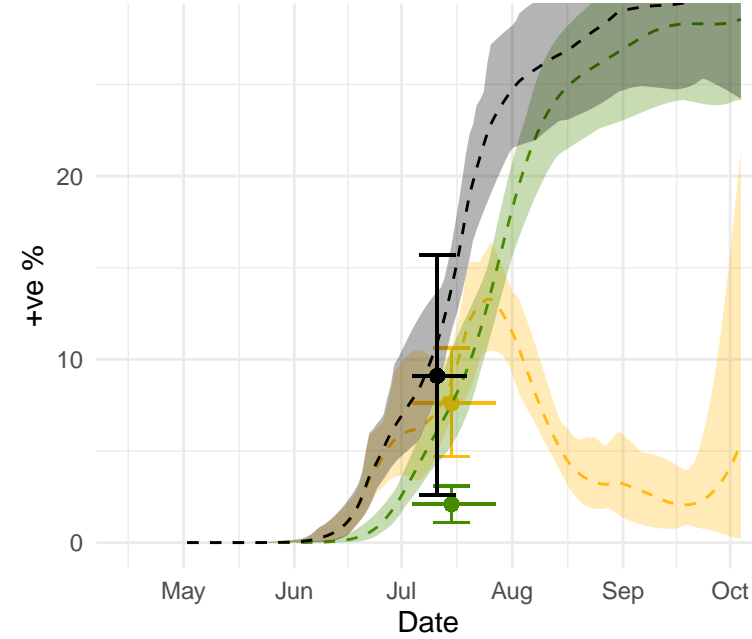
IFR x 0.8, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

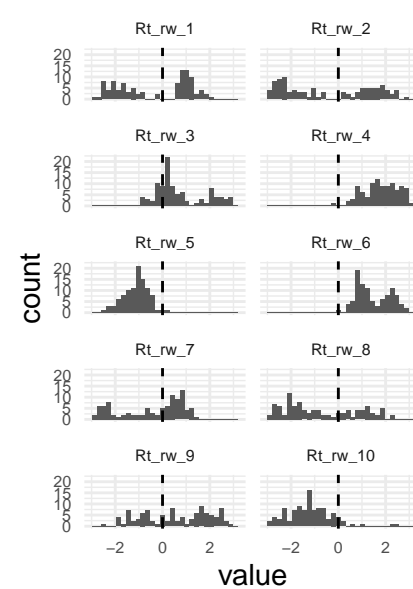
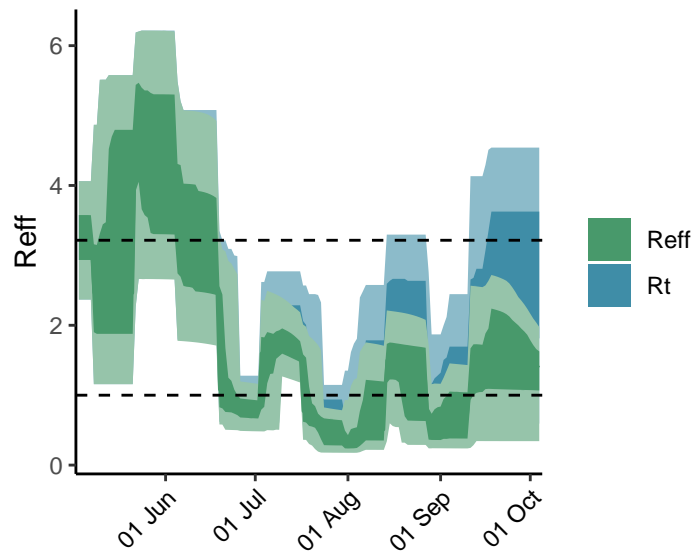


COVID-19 prevalence  
Lusaka/Zambia

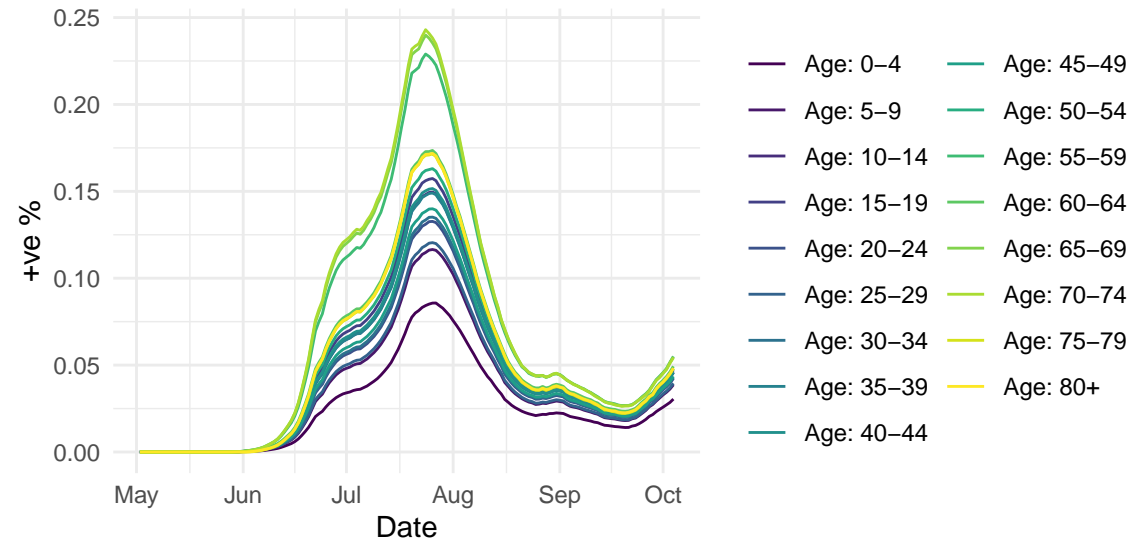


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

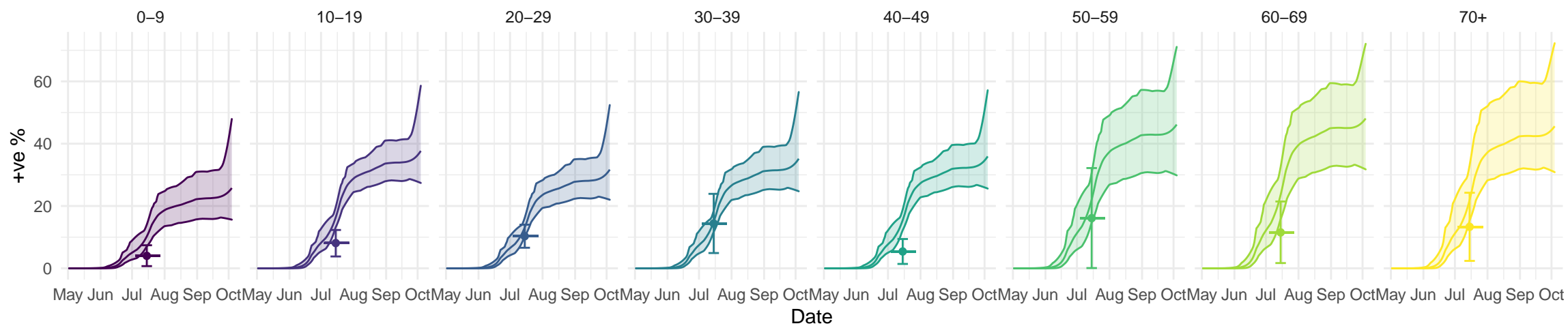
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

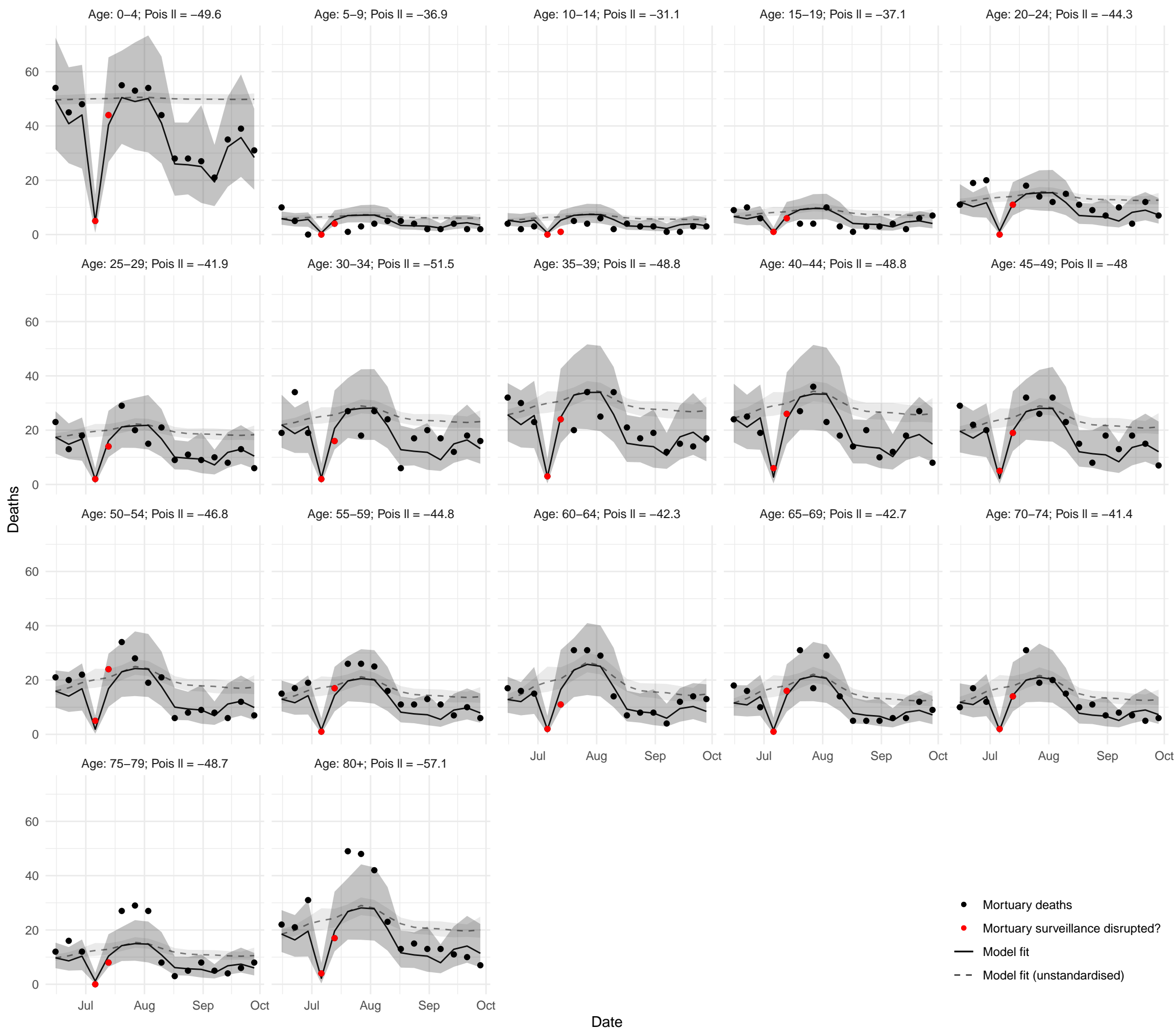


Modelled PCR %

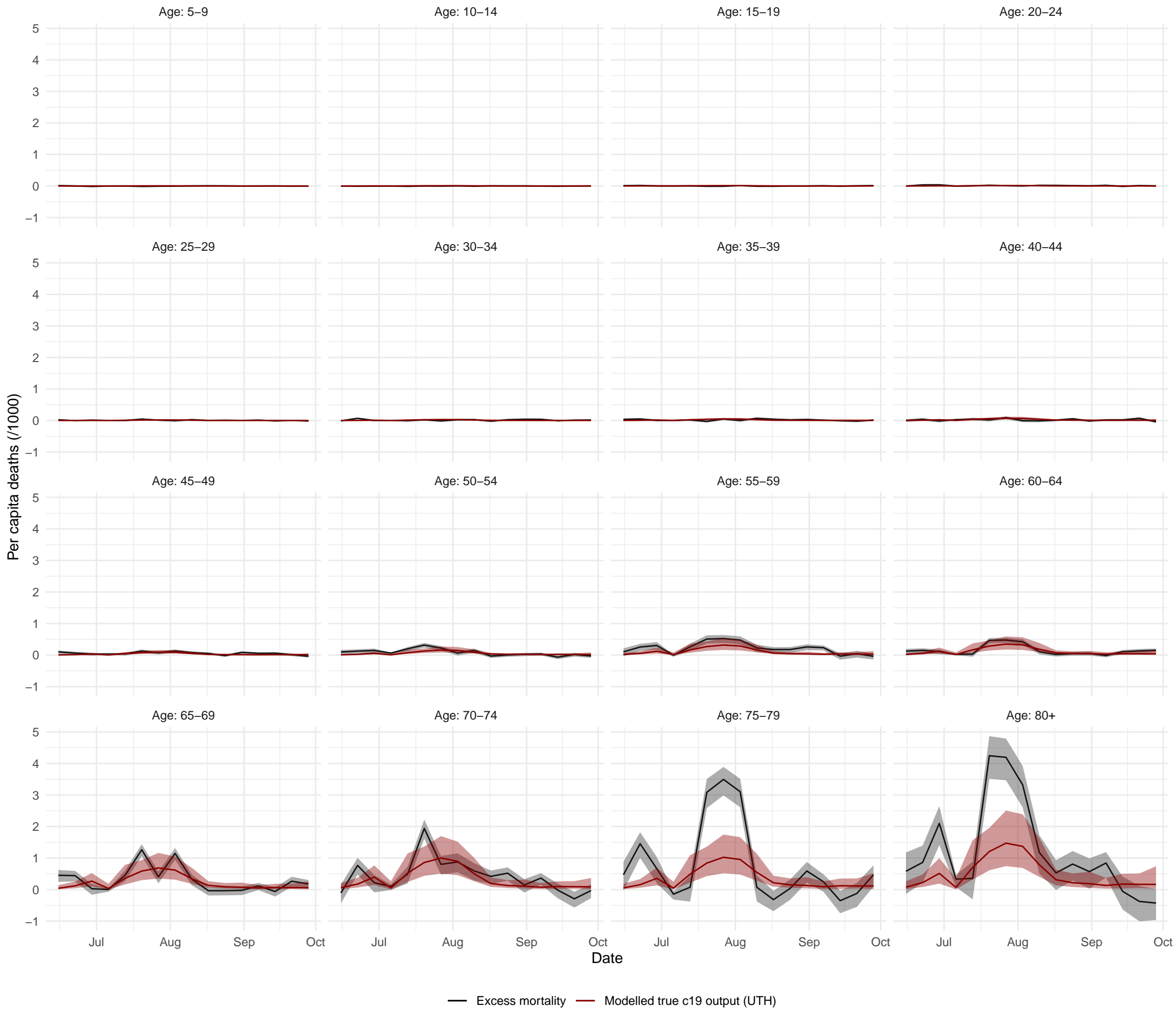


Modelled combined prevalence, Lusaka/Zambia

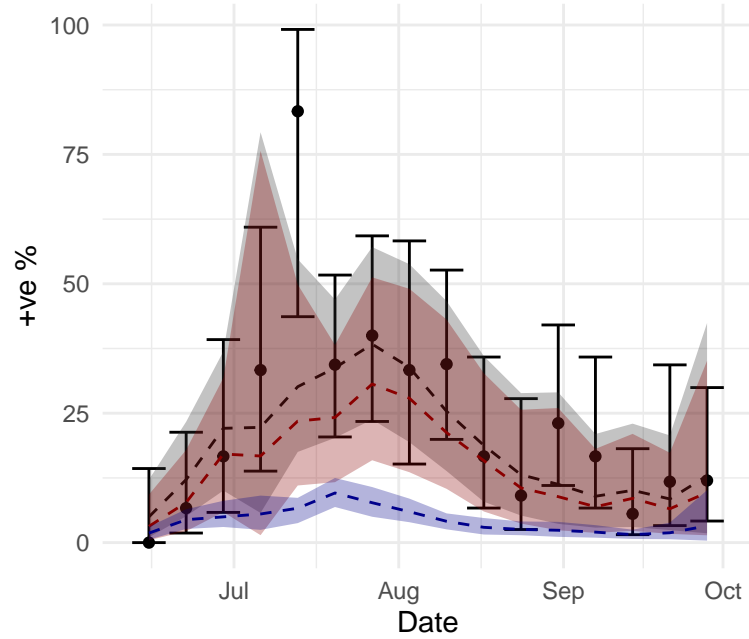




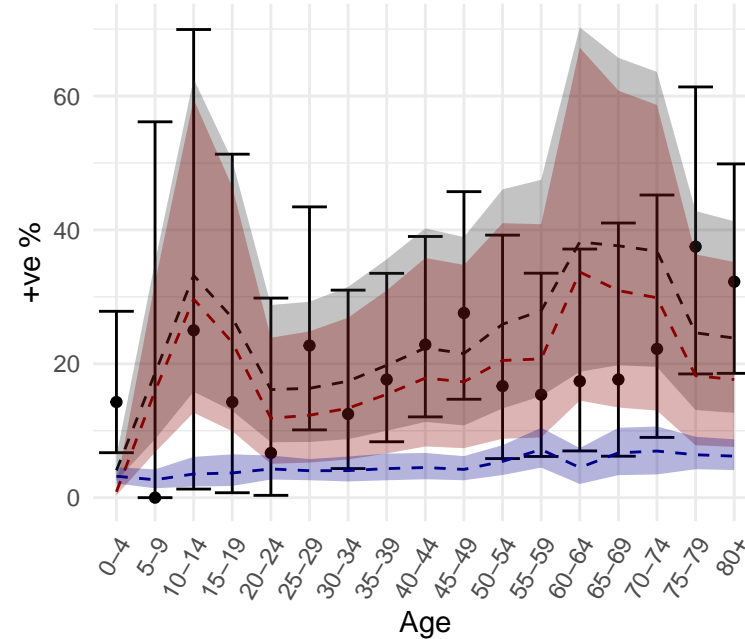
IFR x 0.8, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



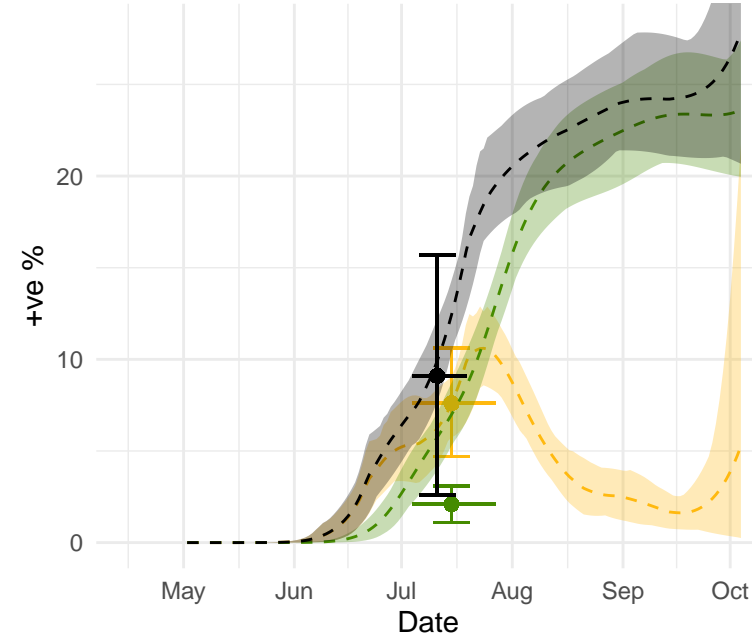
IFR x 1, Slope x 0.8  
 COVID-19 weekly prevalence  
 UTH mortuary



COVID-19 prevalence by age  
 UTH mortuary

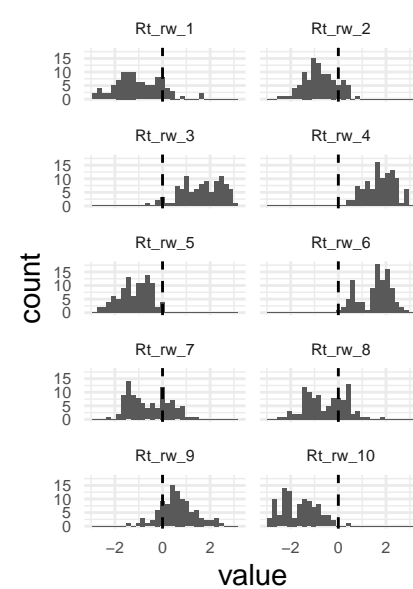
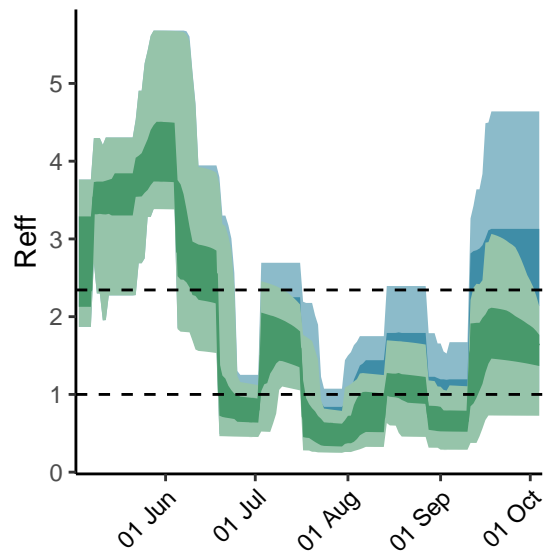


COVID-19 prevalence  
 Lusaka/Zambia

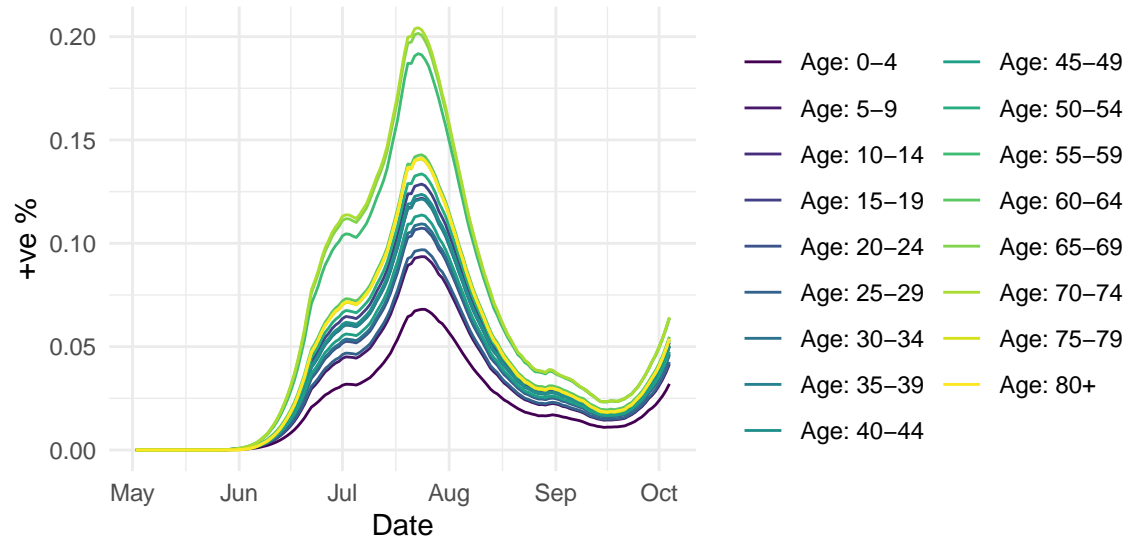


-- Total +ve deaths  
 -- Causal deaths  
 -- Coincidental deaths

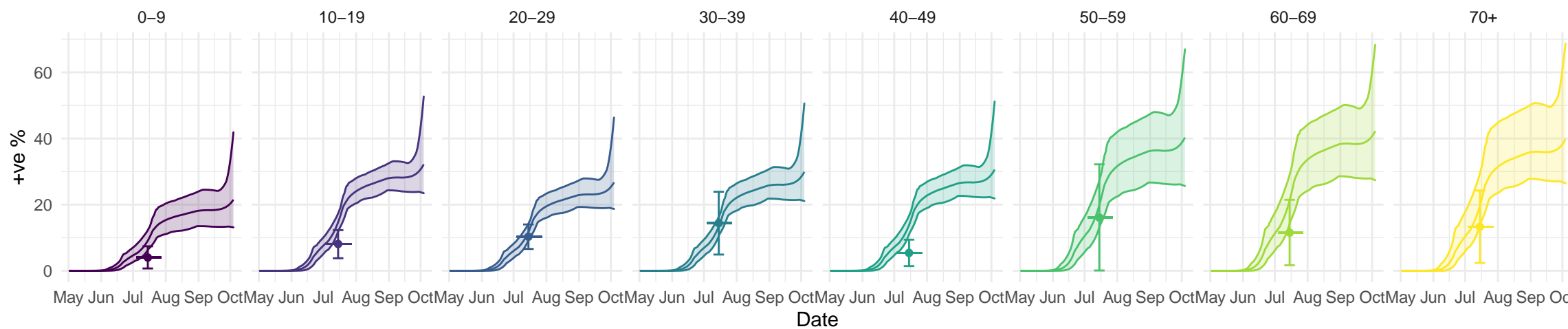
● Combined % (Lusaka)  
 ● PCR % (Zambia)  
 ● Sero % (Zambia)

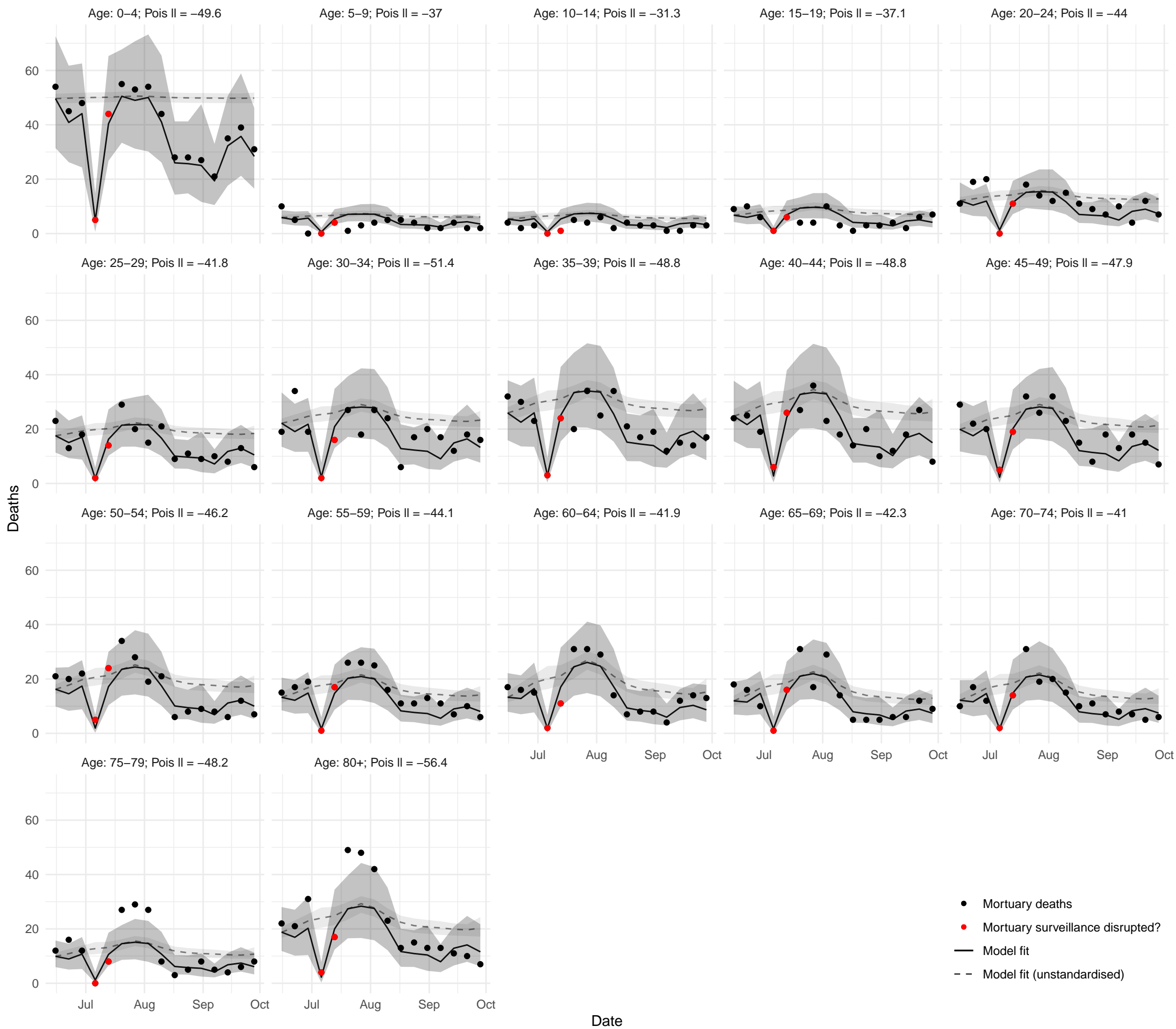


Modelled PCR %

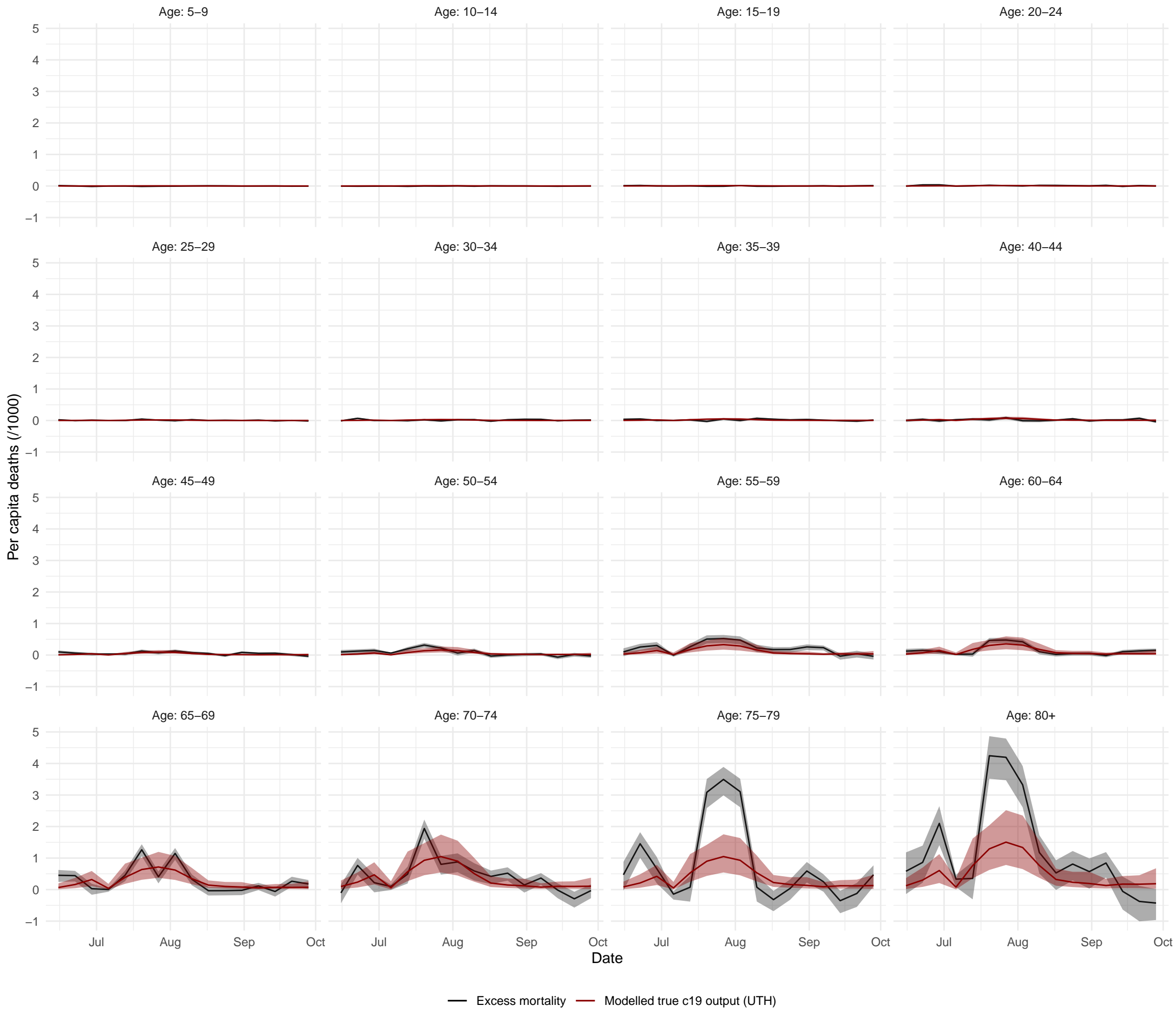


Modelled combined prevalence, Lusaka/Zambia



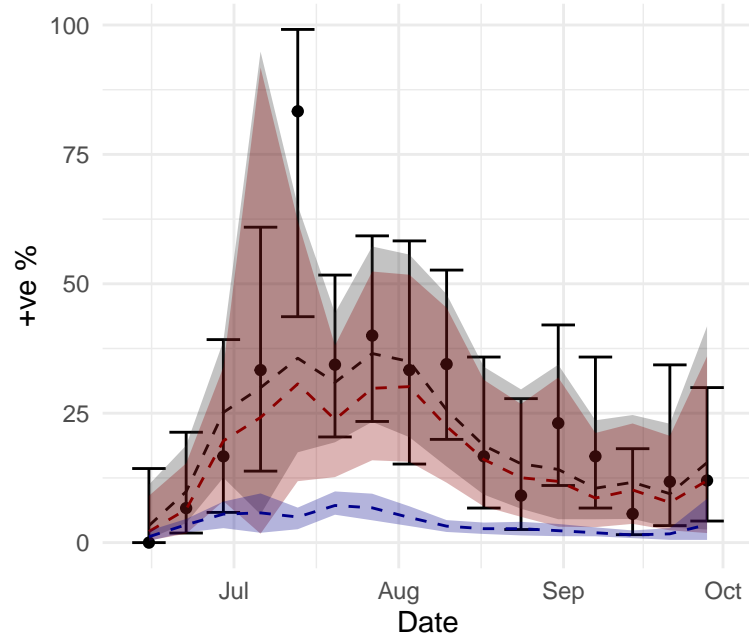


IFR x 1, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results

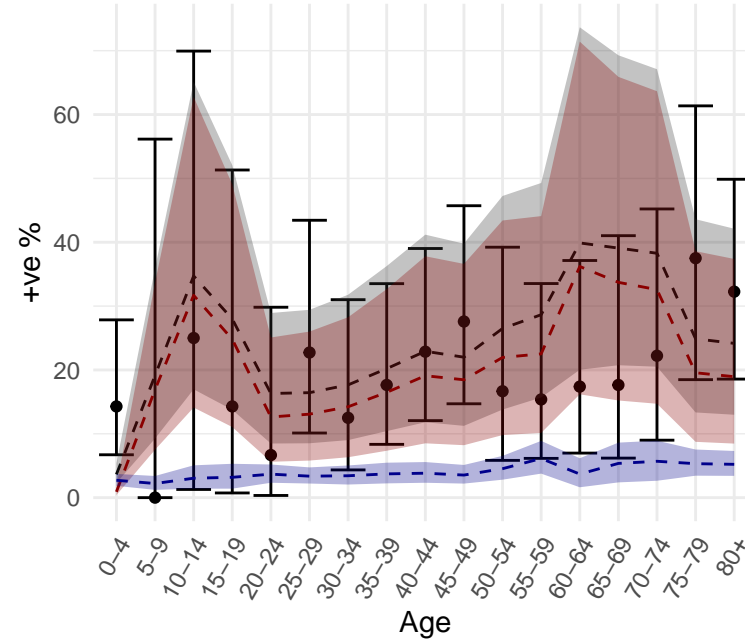




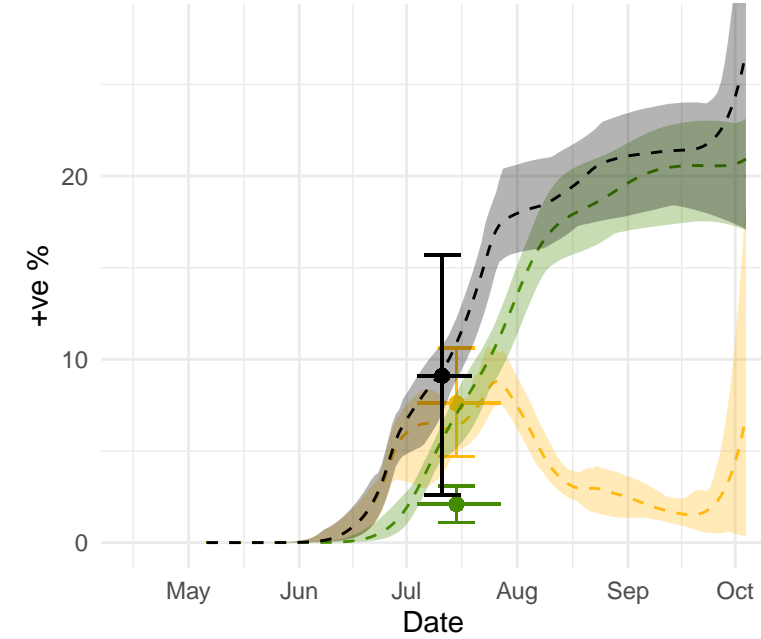
IFR x 1.25, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

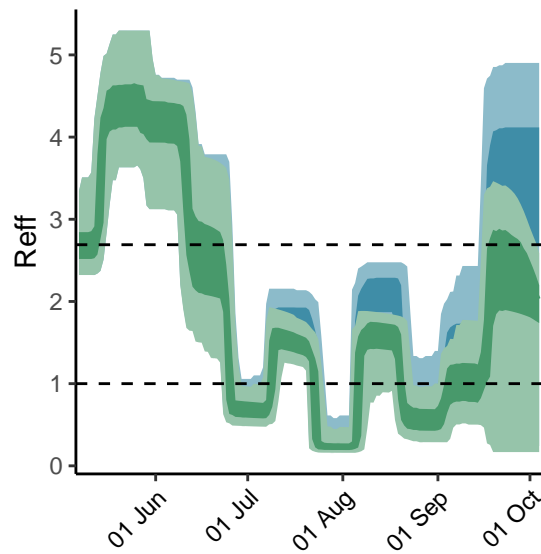


COVID-19 prevalence  
Lusaka/Zambia

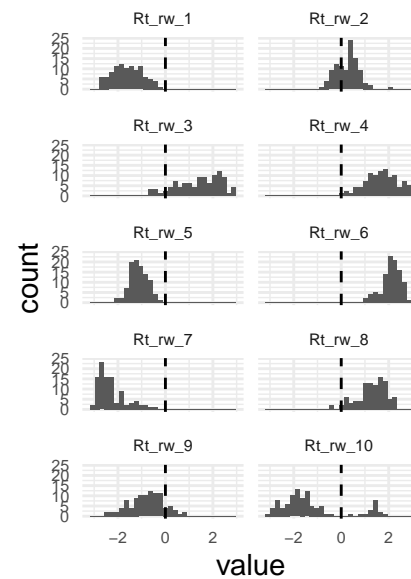


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

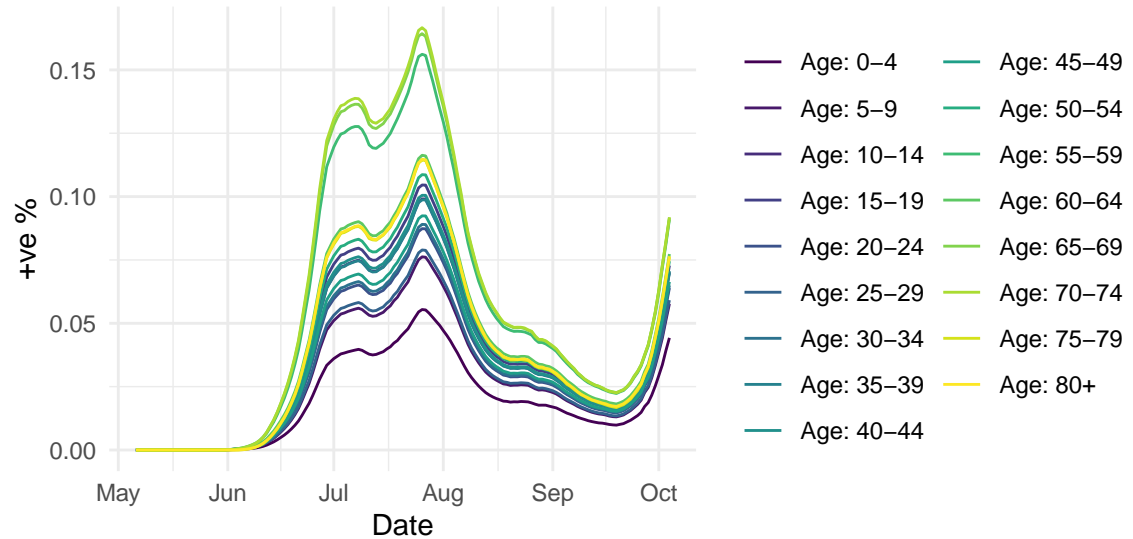
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



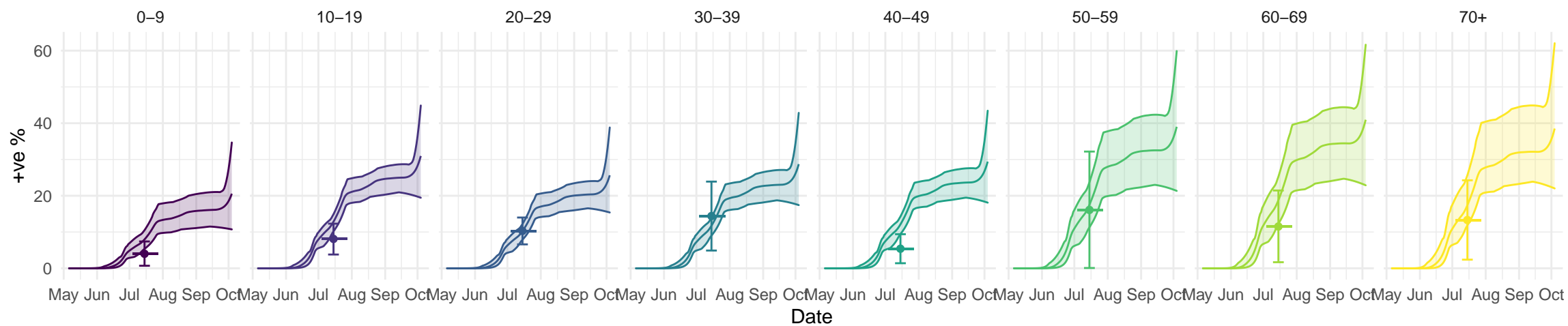
Reff  
Rt

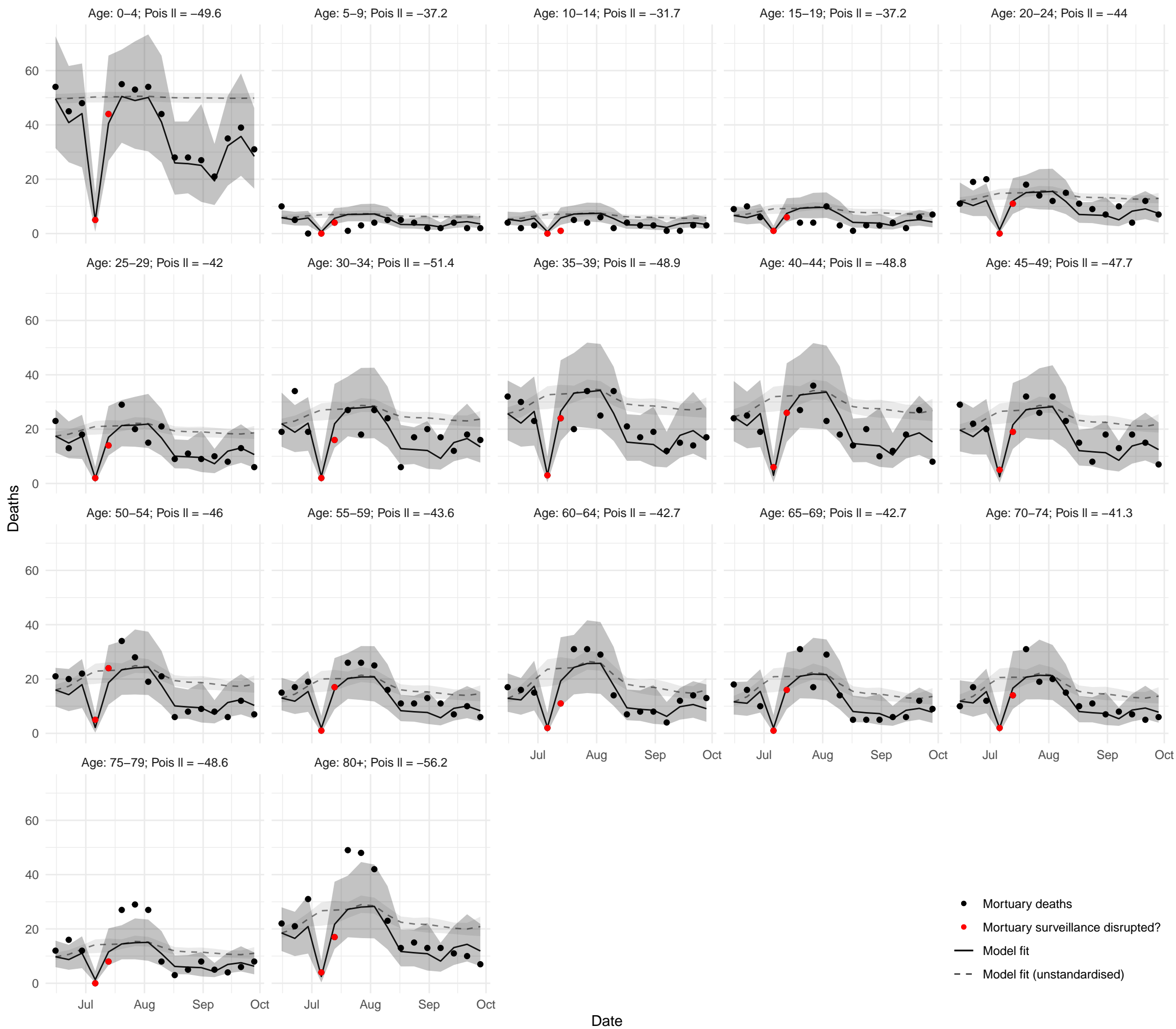


Modelled PCR %

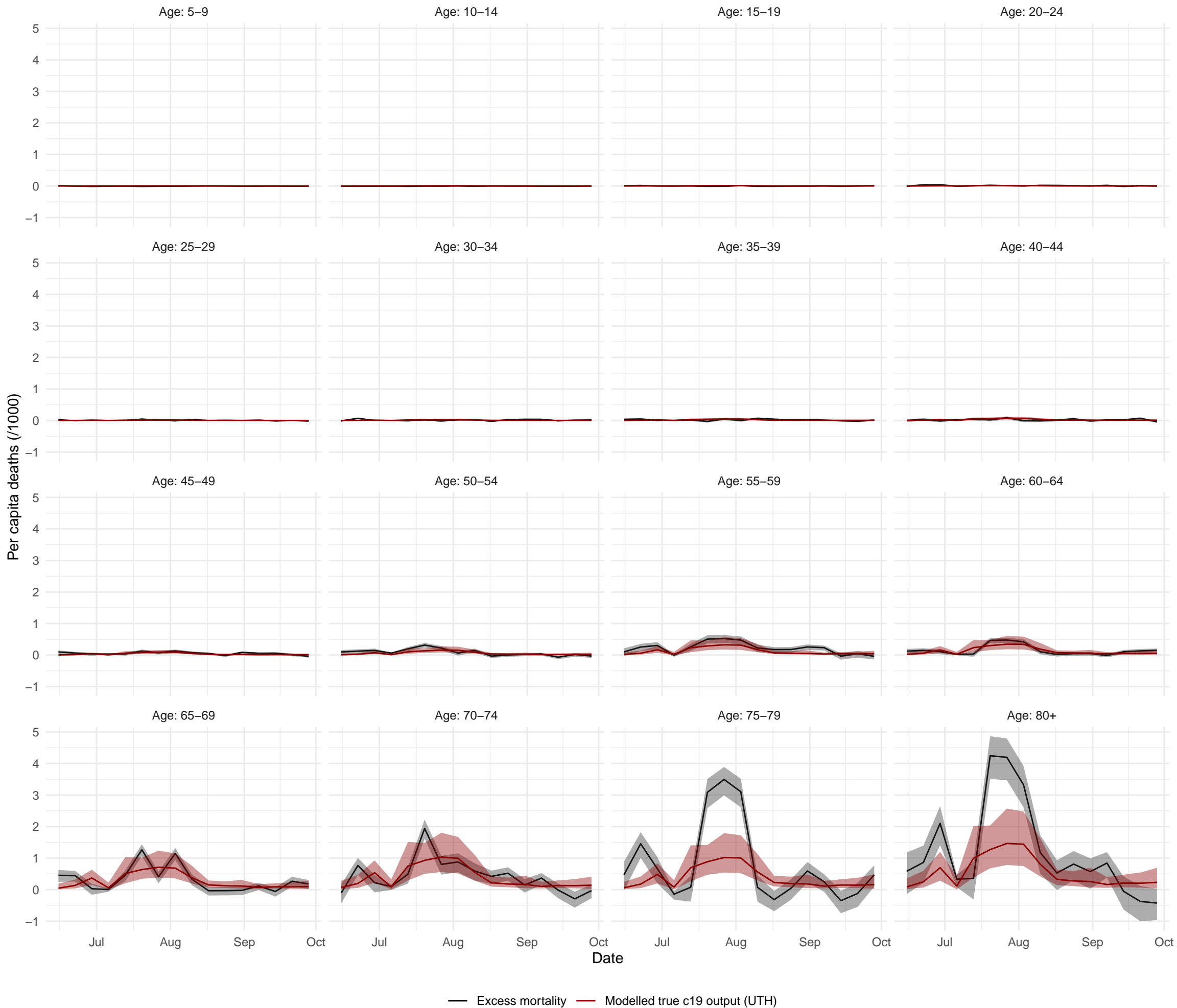


Modelled combined prevalence, Lusaka/Zambia

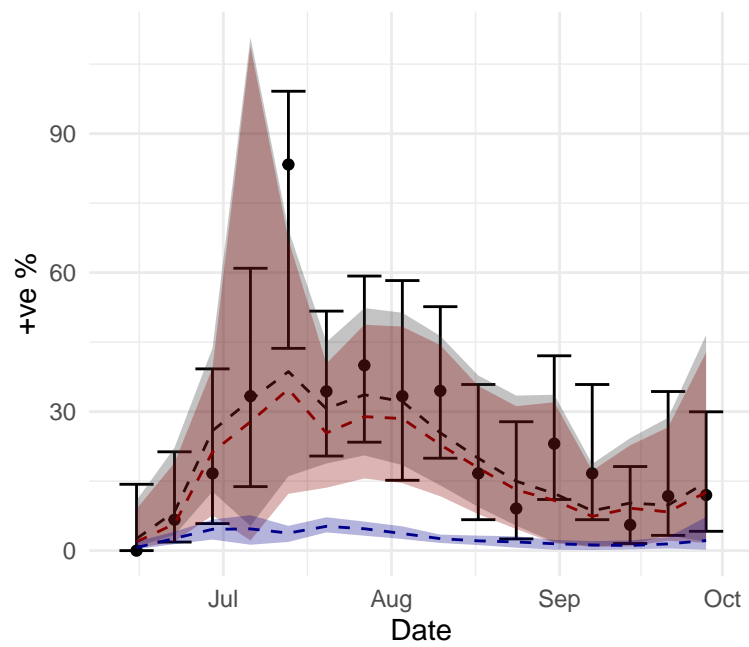




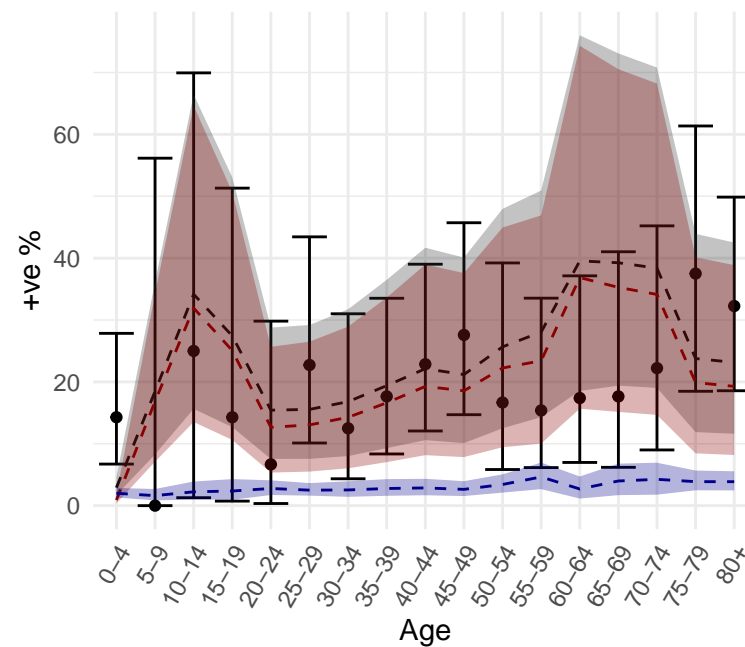
IFR x 1.25, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



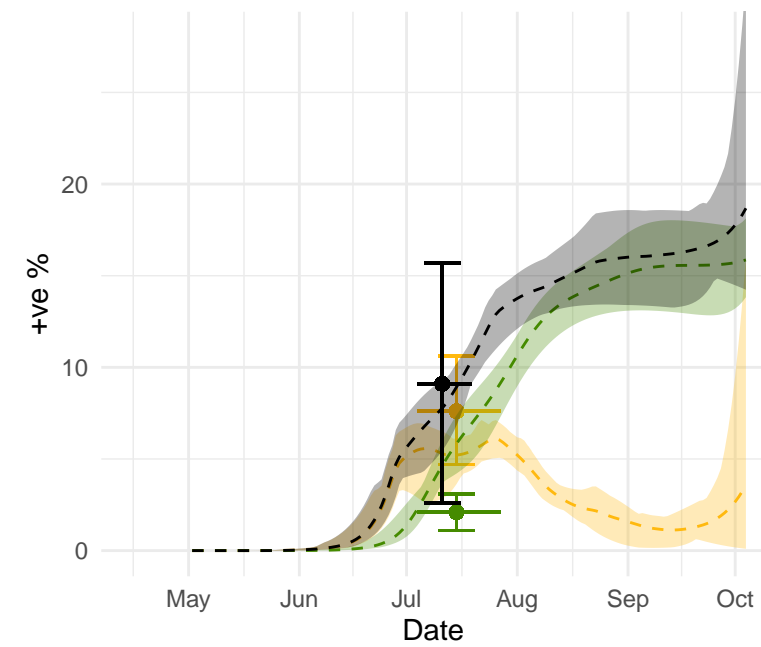
IFR x 1.67, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

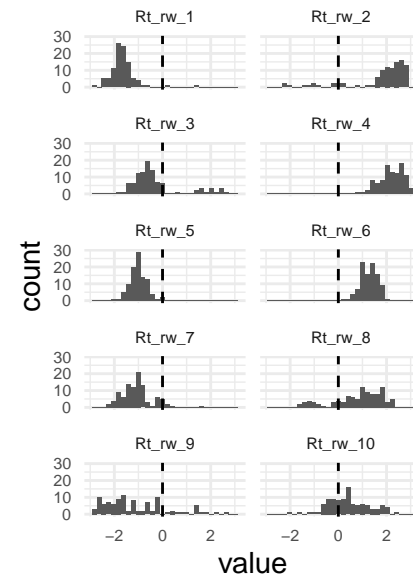
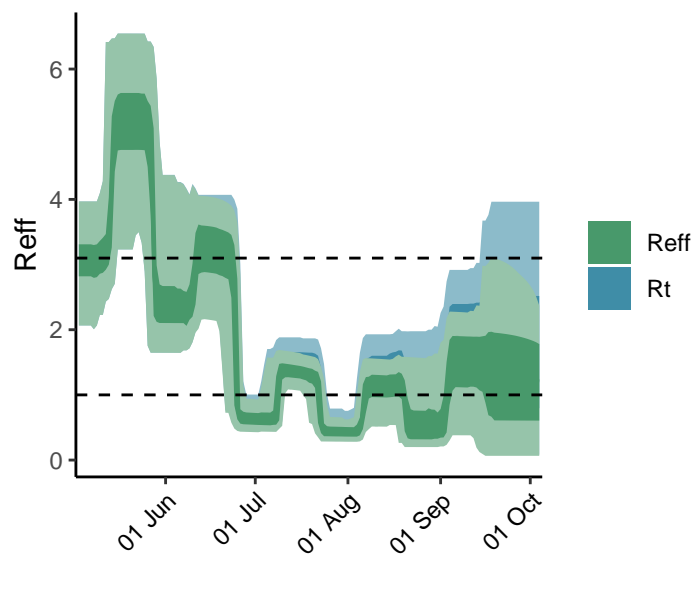


COVID-19 prevalence  
Lusaka/Zambia

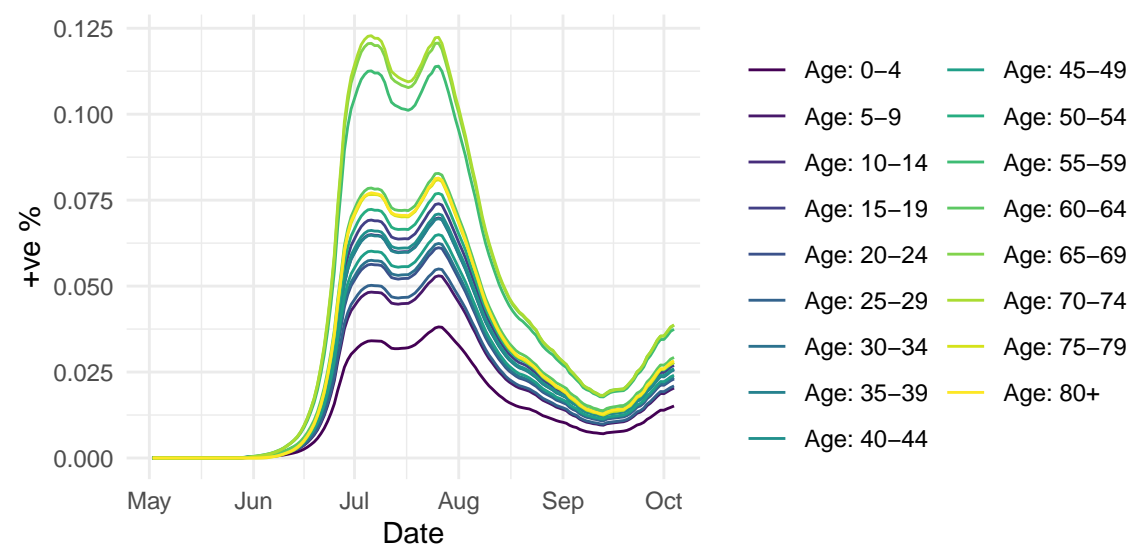


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

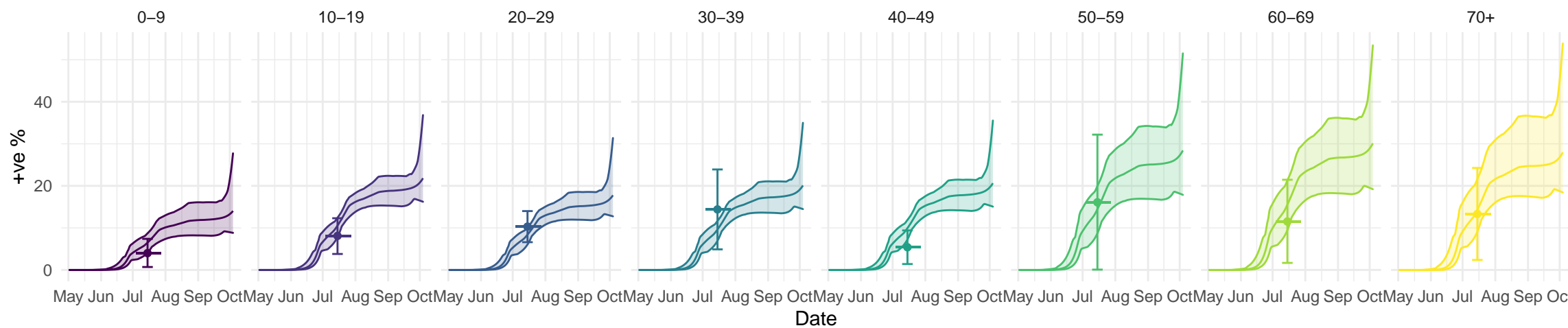
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

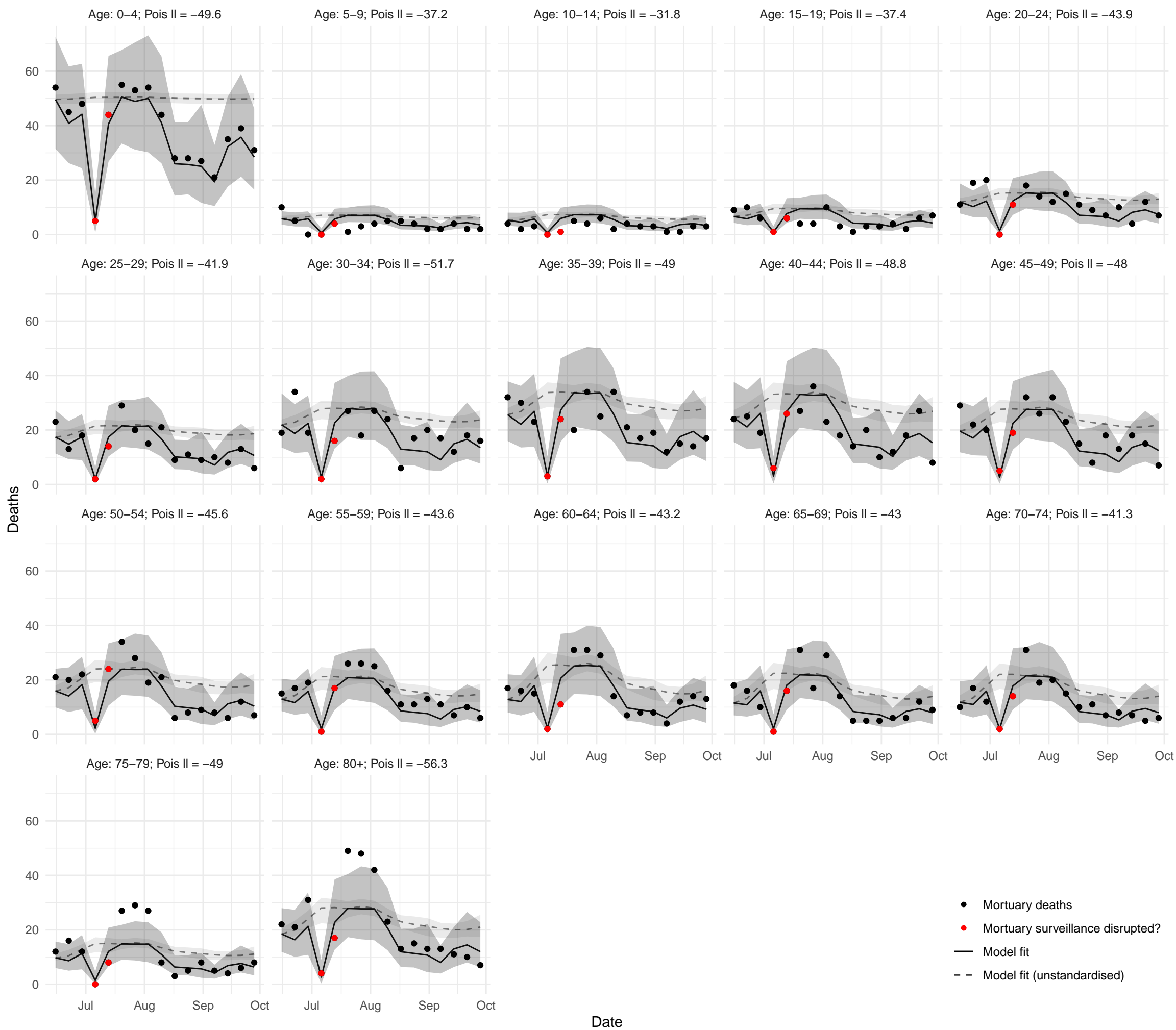


Modelled PCR %

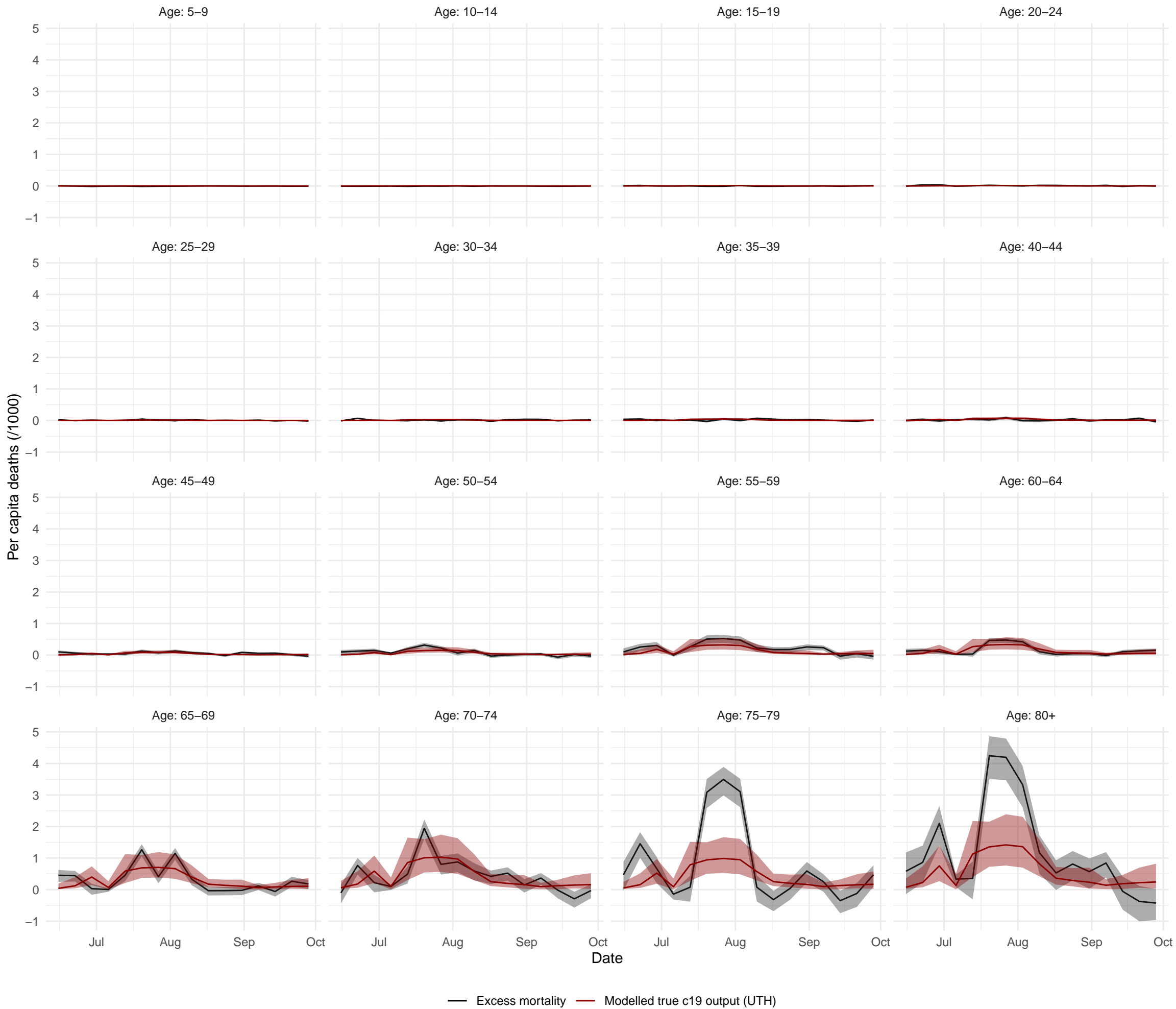


Modelled combined prevalence, Lusaka/Zambia

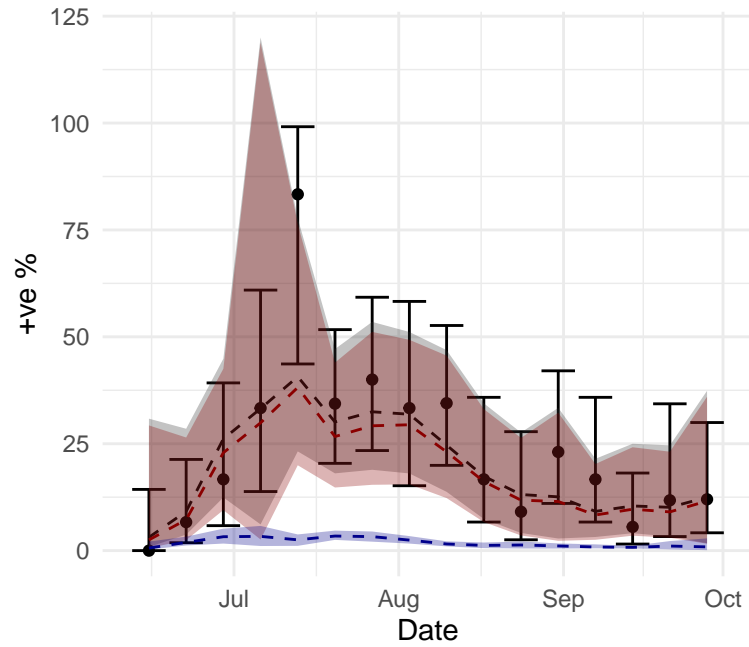




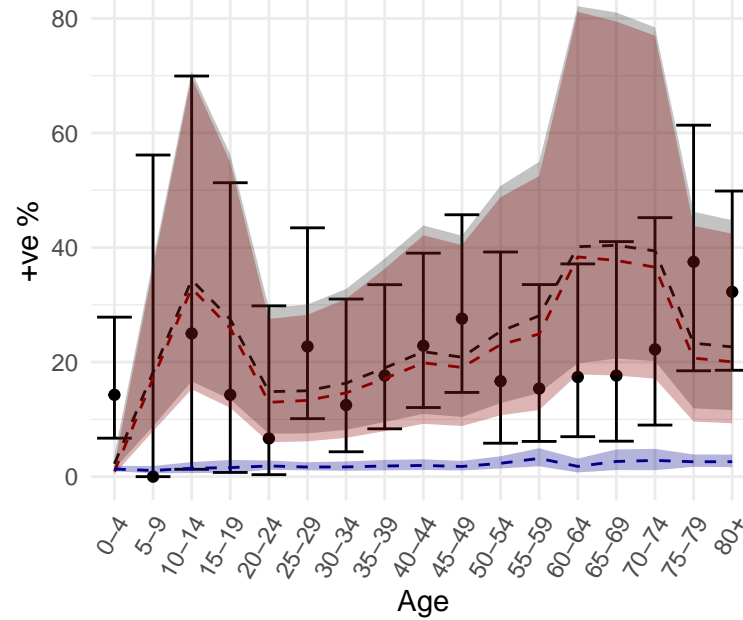
IFR x 1.67, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



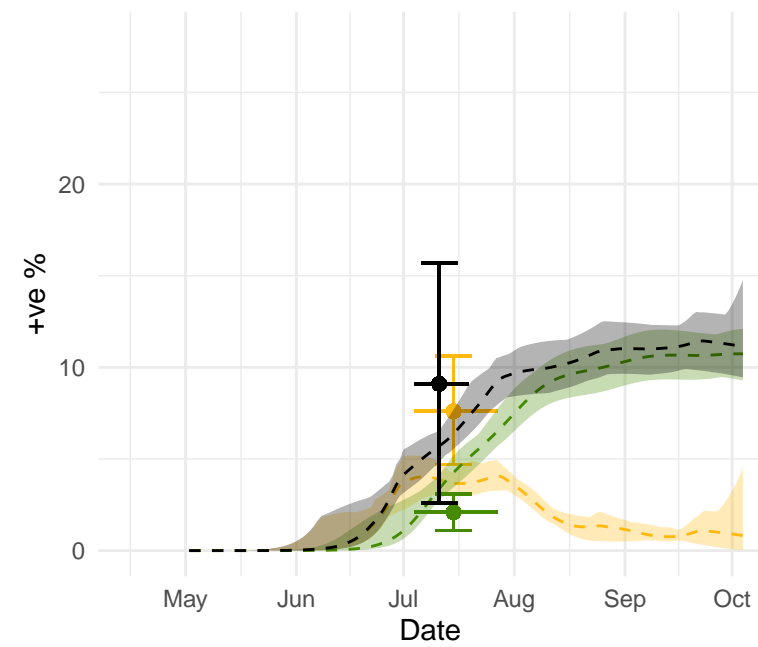
IFR x 2.5, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



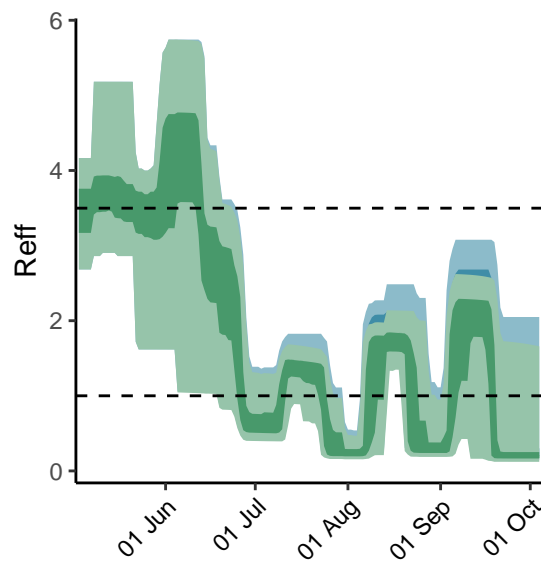
COVID-19 prevalence by age  
UTH mortuary



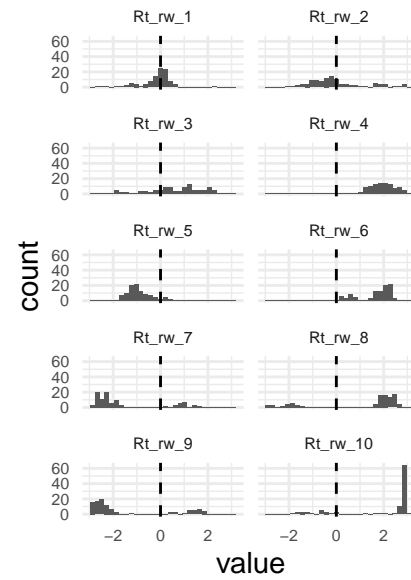
COVID-19 prevalence  
Lusaka/Zambia



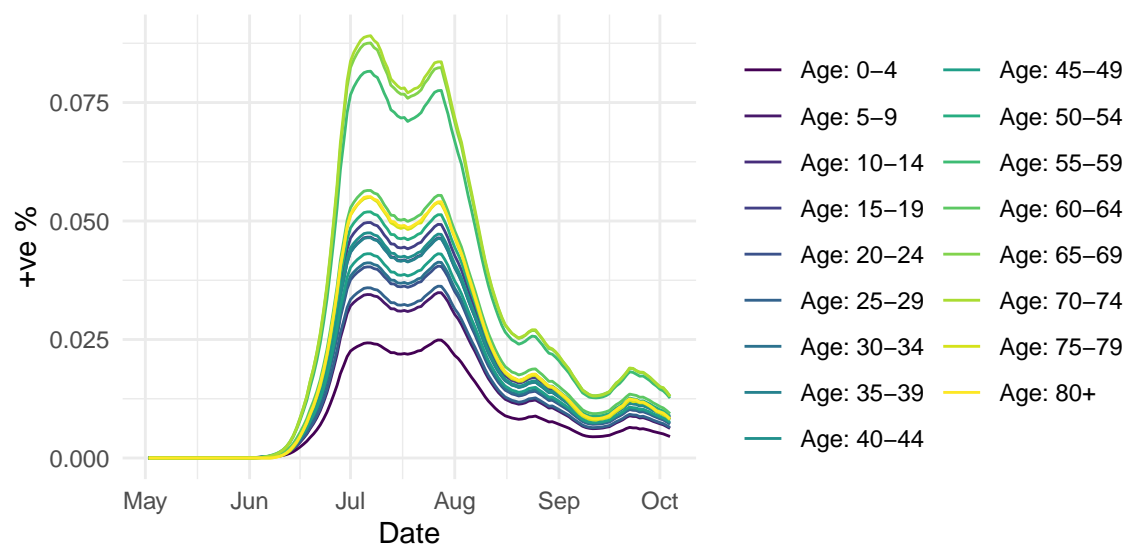
-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths



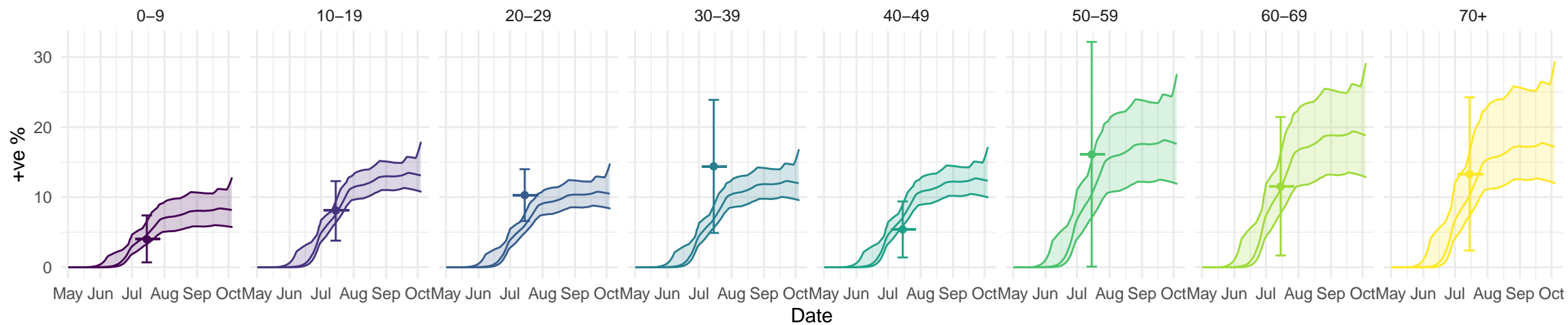
Reff  
Rt



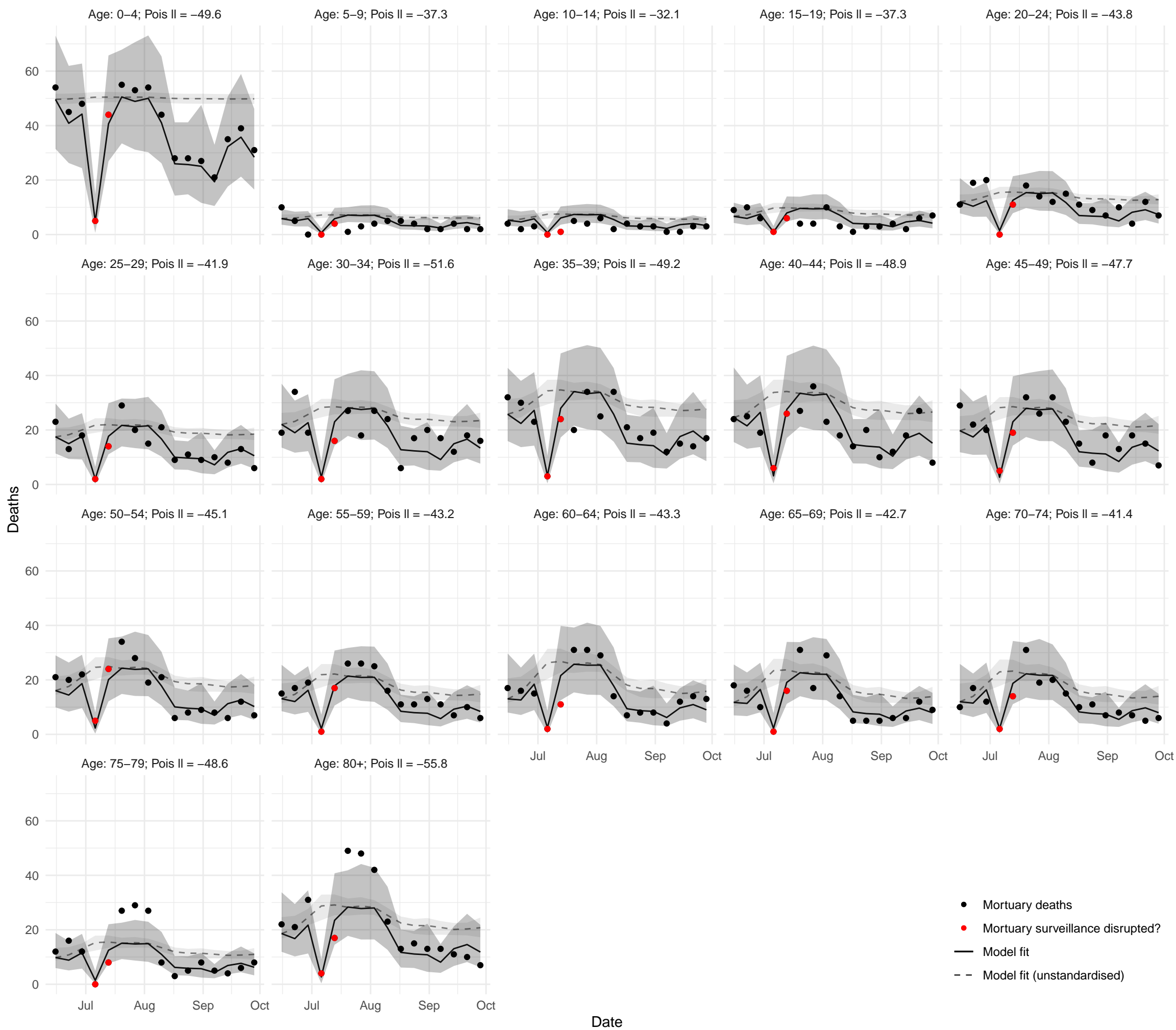
Modelled PCR %



Modelled combined prevalence, Lusaka/Zambia

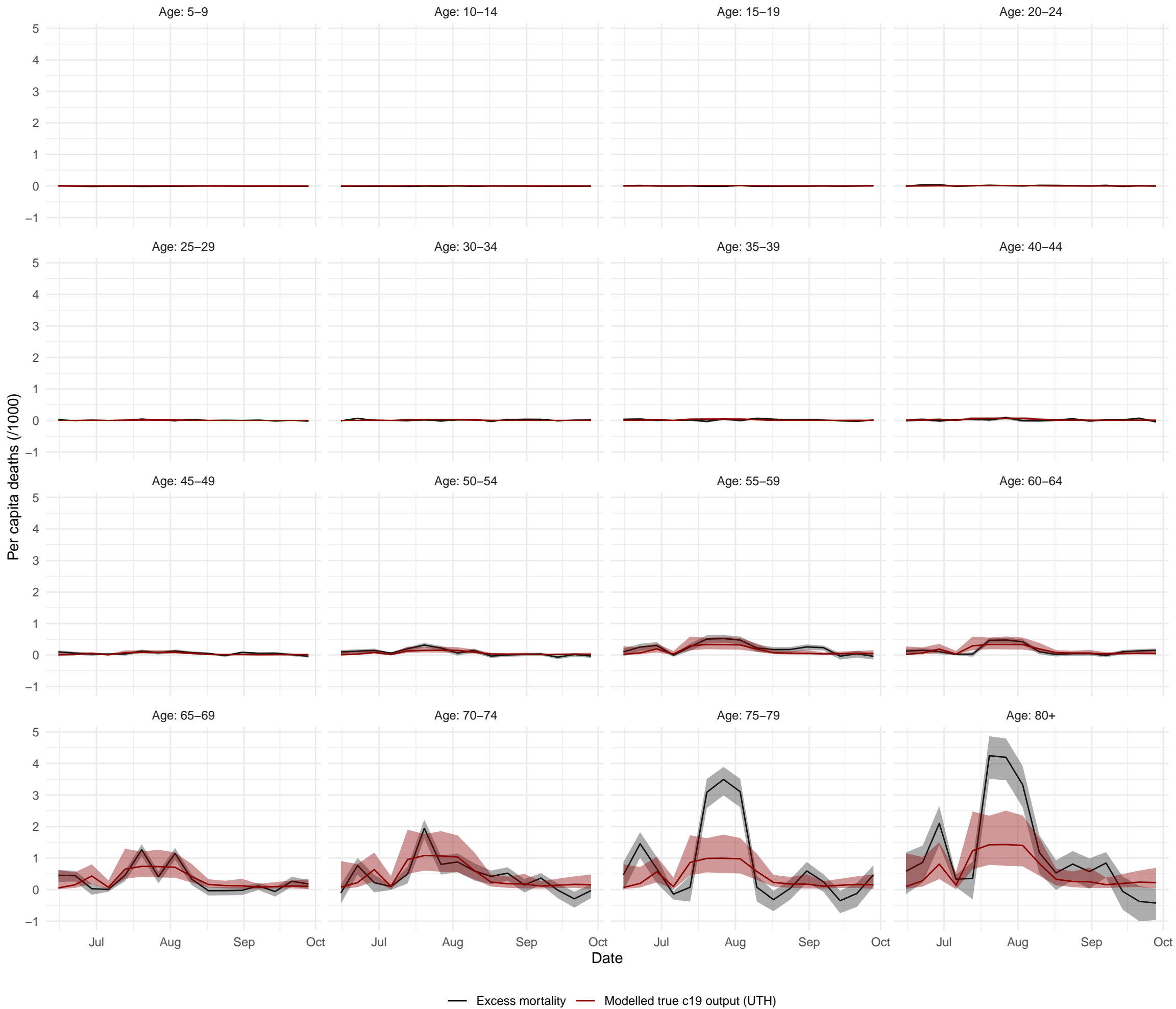




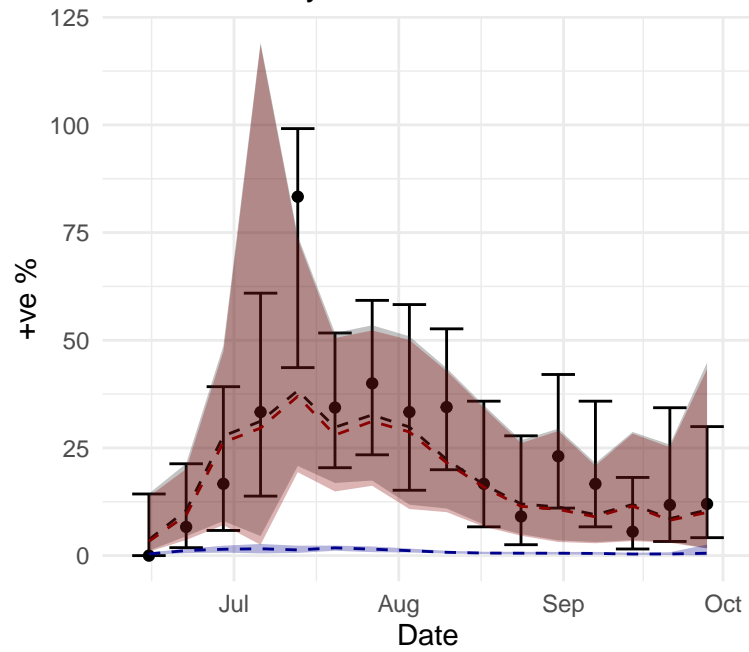




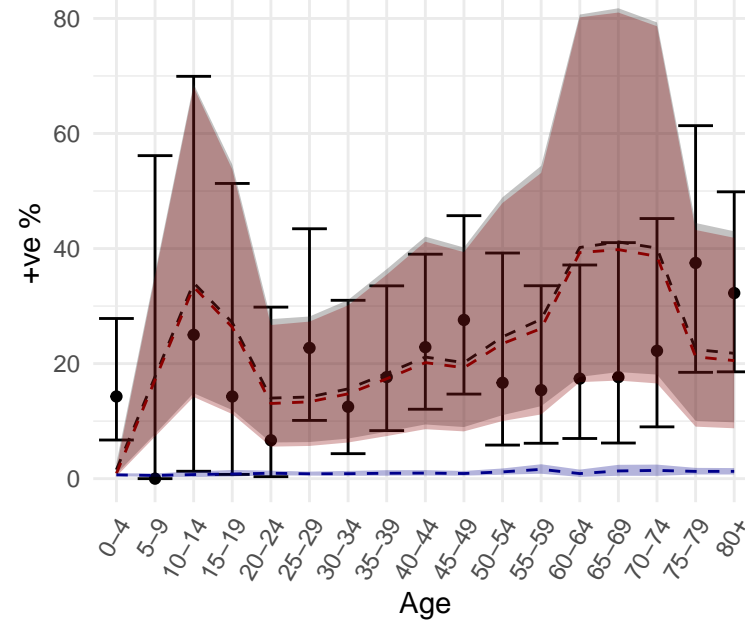
IFR x 2.5, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



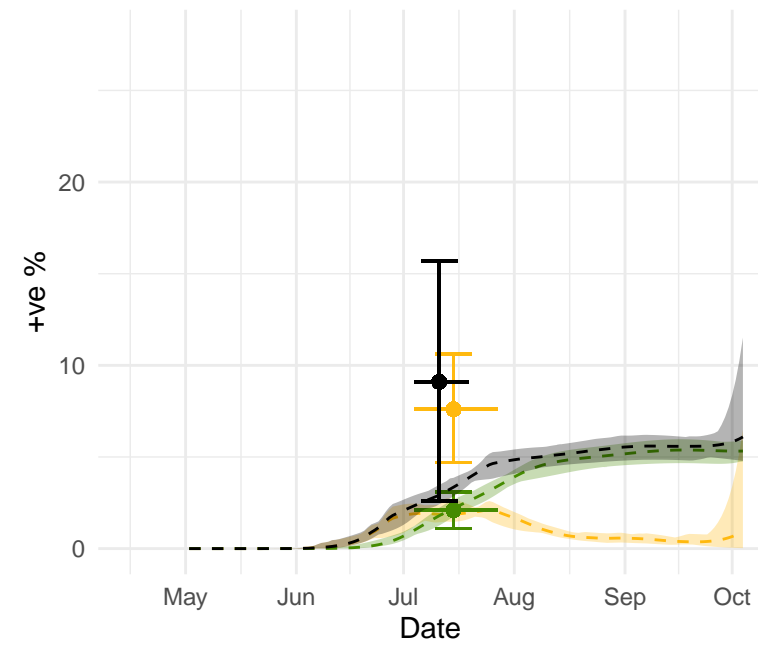
IFR x 5, Slope x 0.8  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

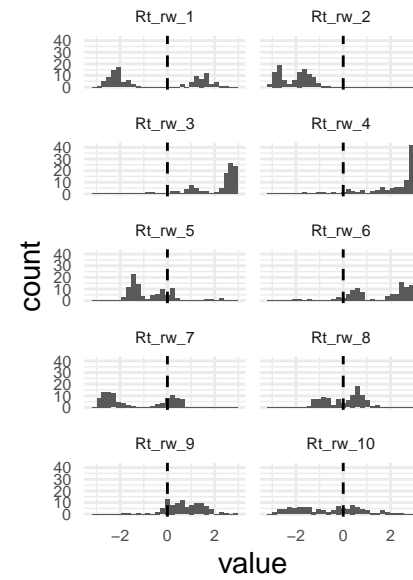
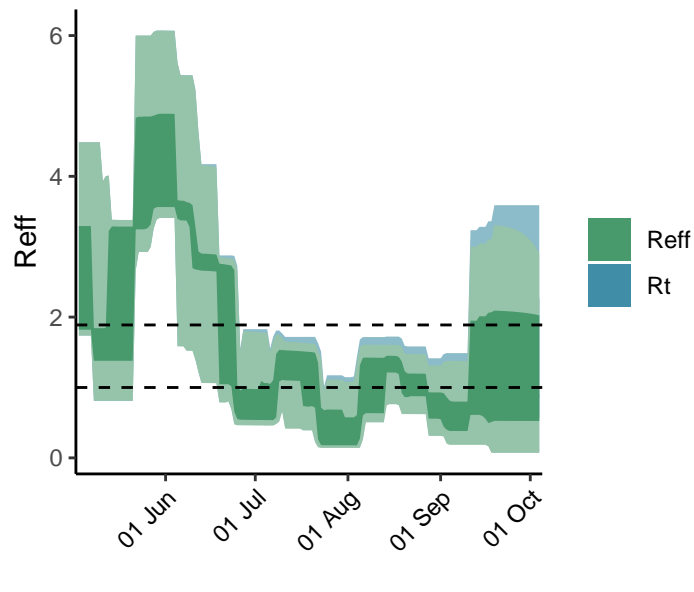


COVID-19 prevalence  
Lusaka/Zambia

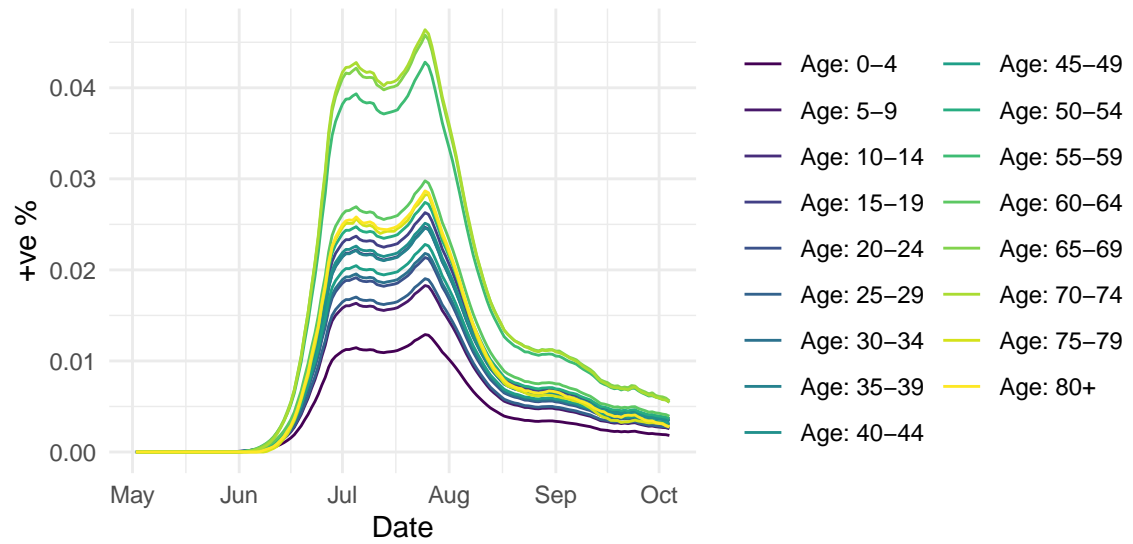


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

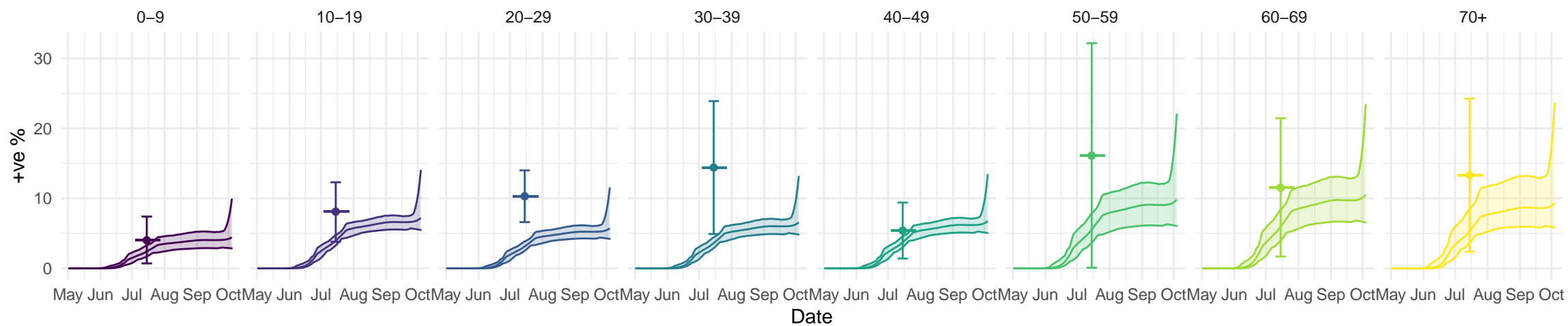
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

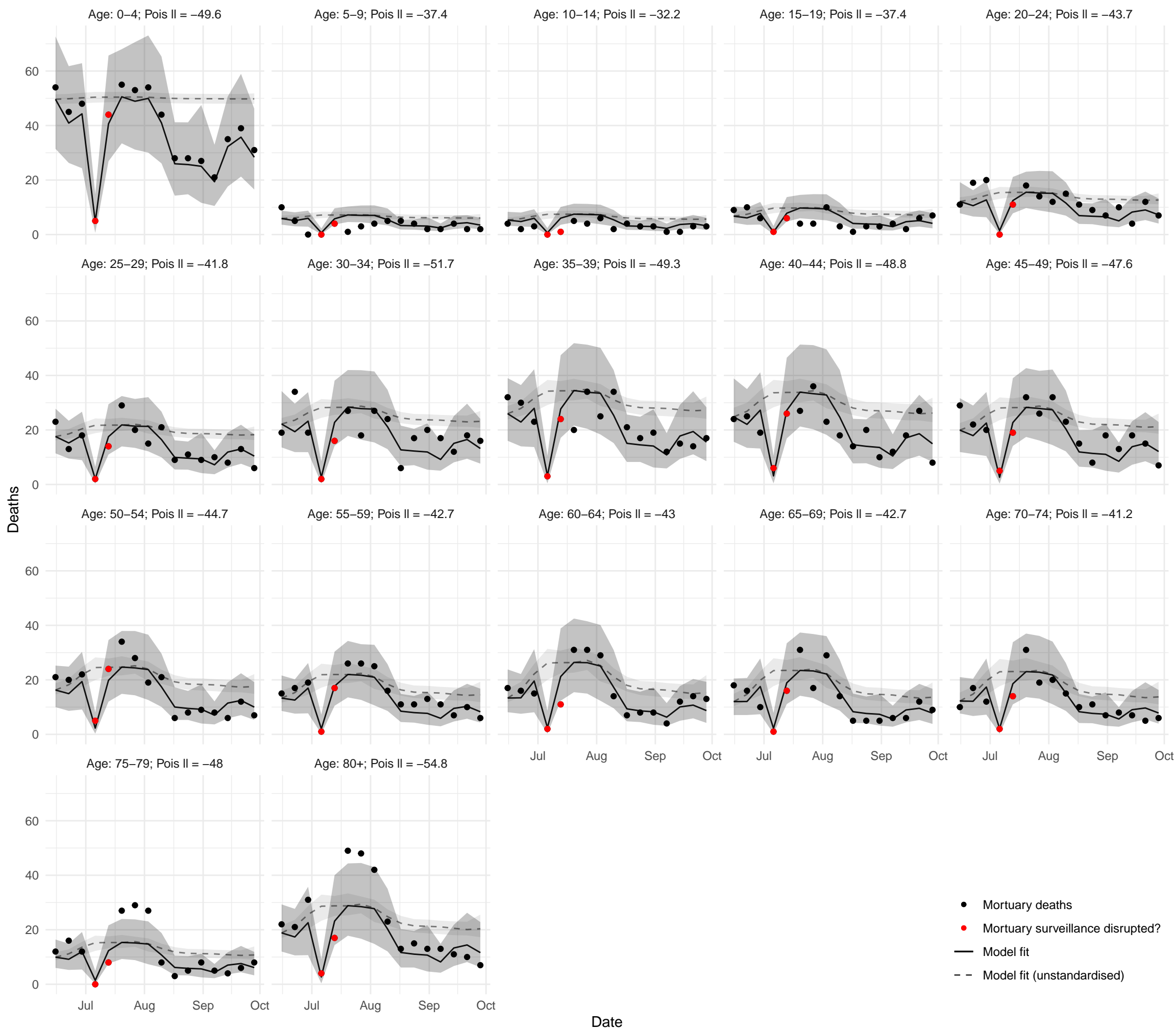


Modelled PCR %

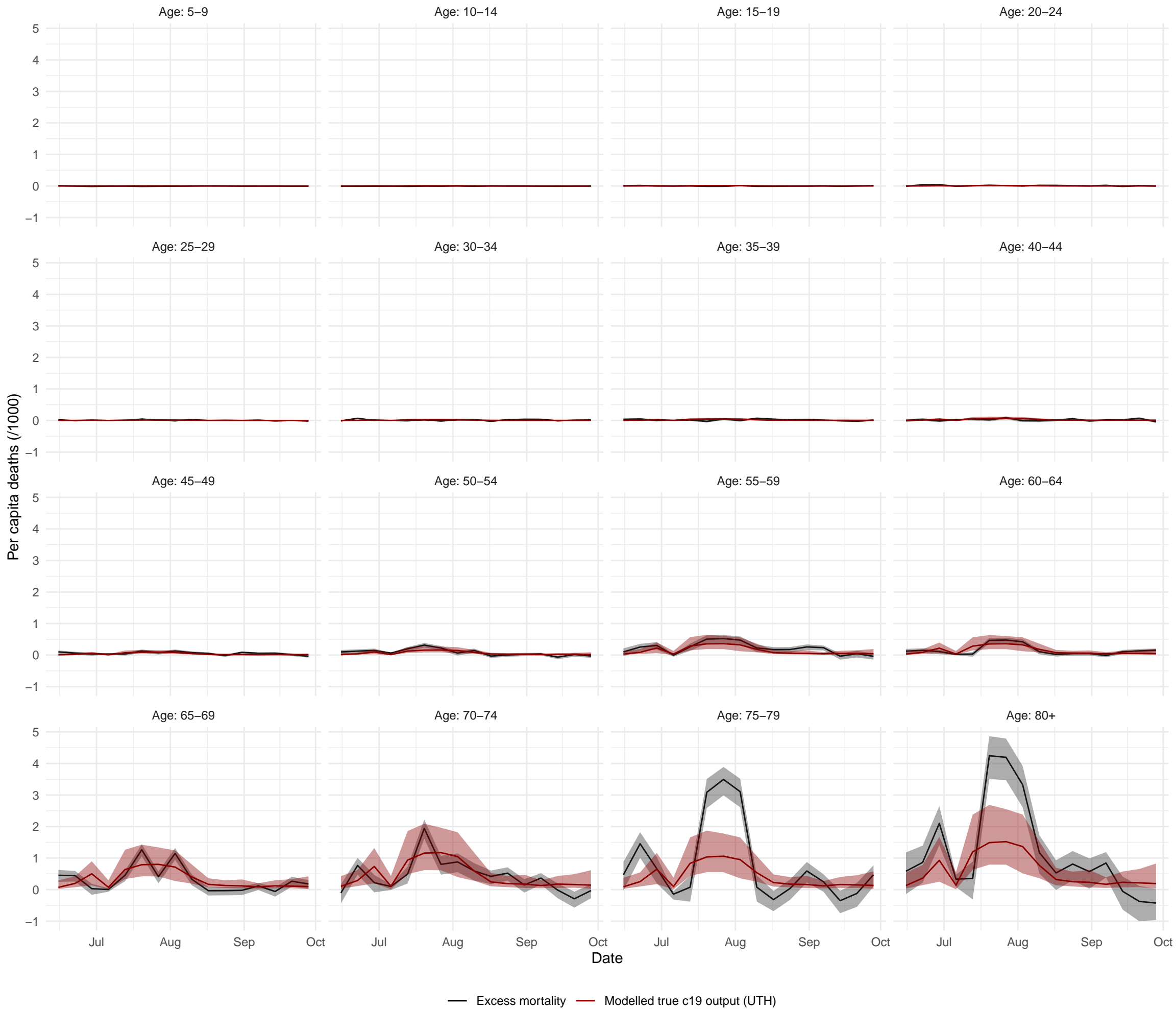


Modelled combined prevalence, Lusaka/Zambia

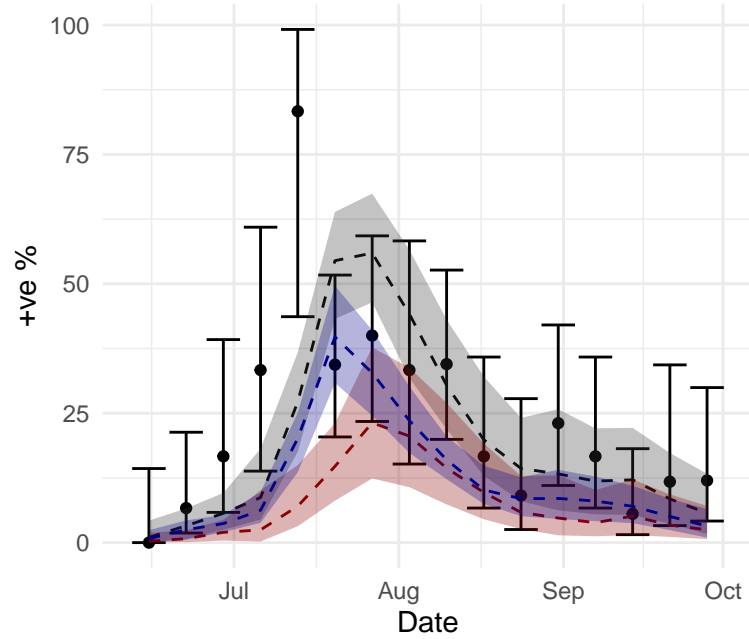




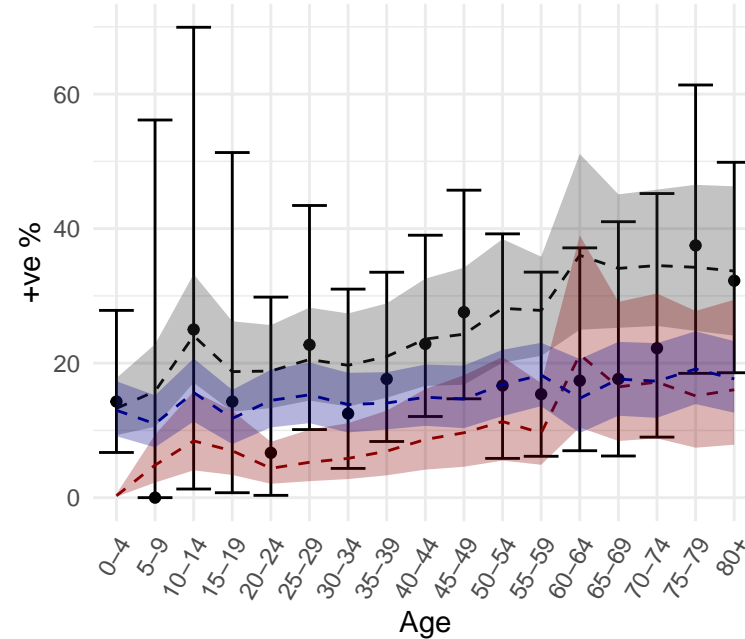
IFR x 5, Slope x 0.8  
COVID-19 excess mortality: Comparison of MCMC results with squire results



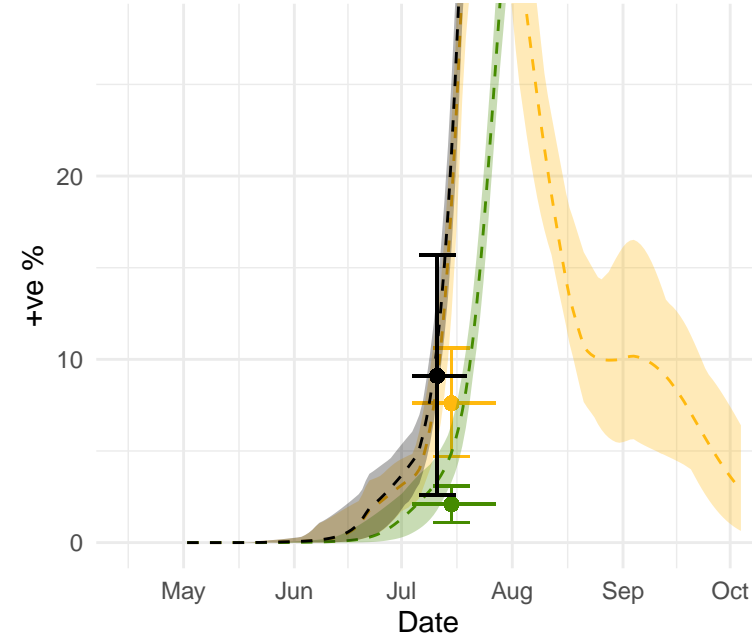
IFR x 0.2, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

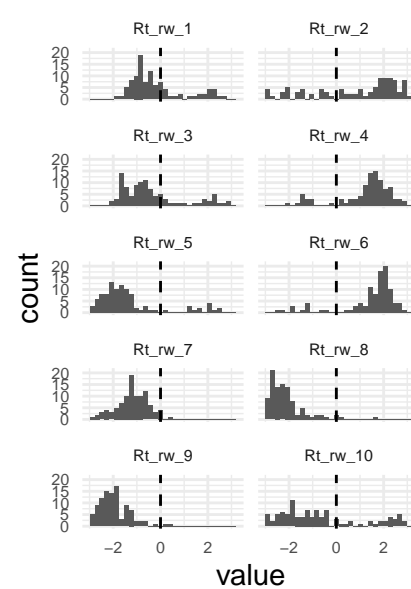
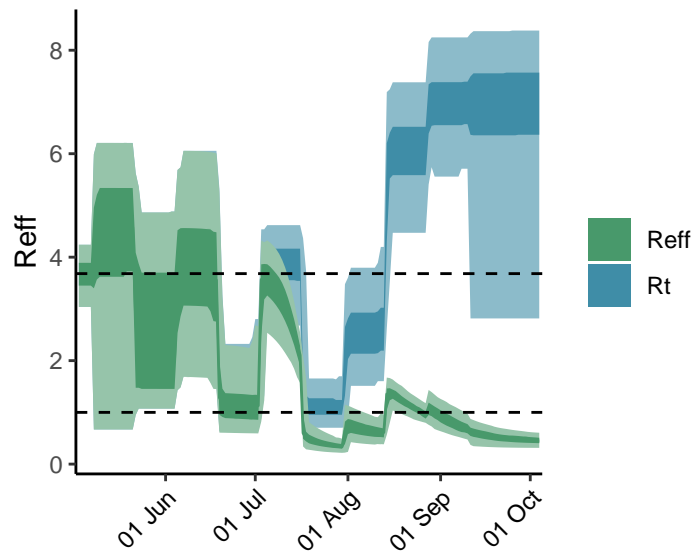


COVID-19 prevalence  
Lusaka/Zambia

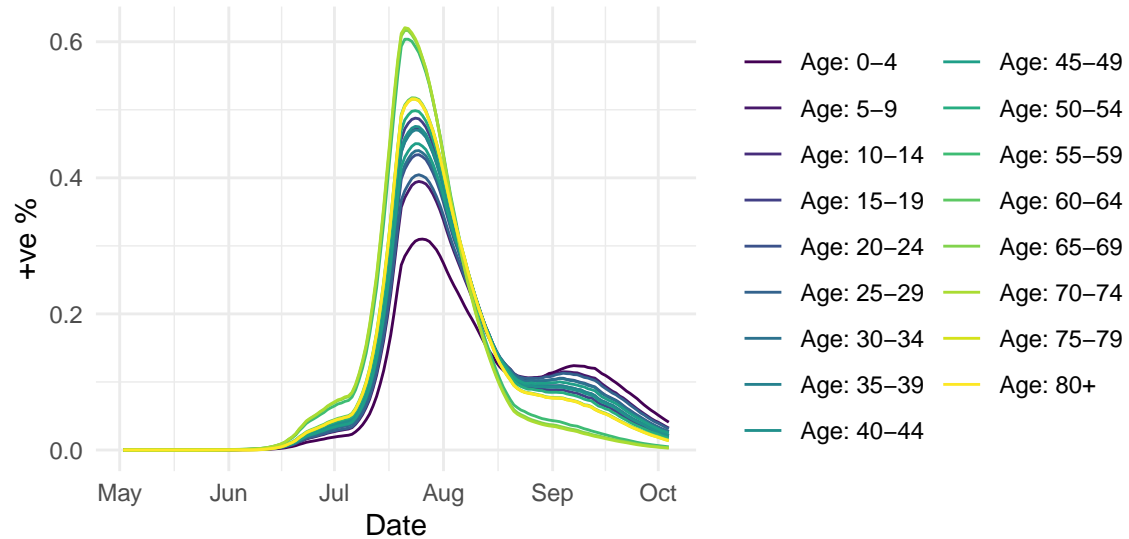


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

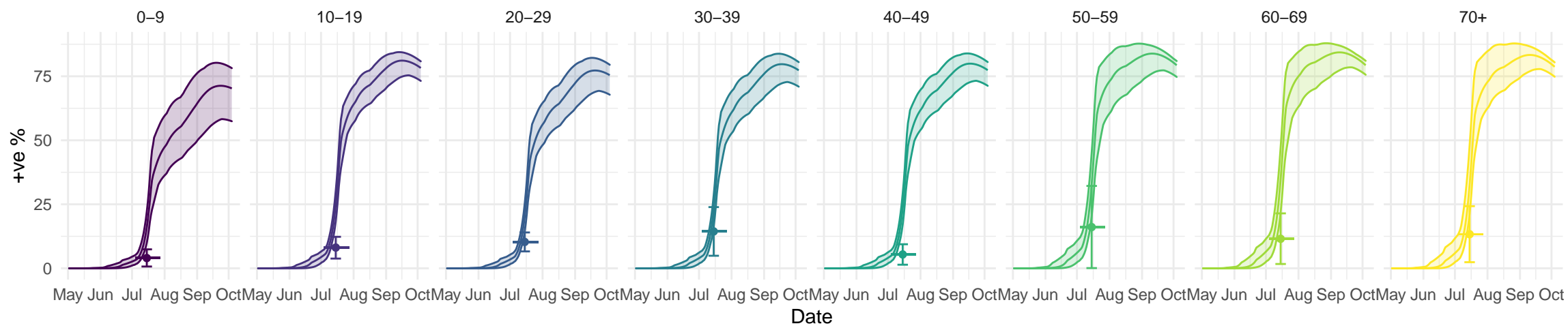
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

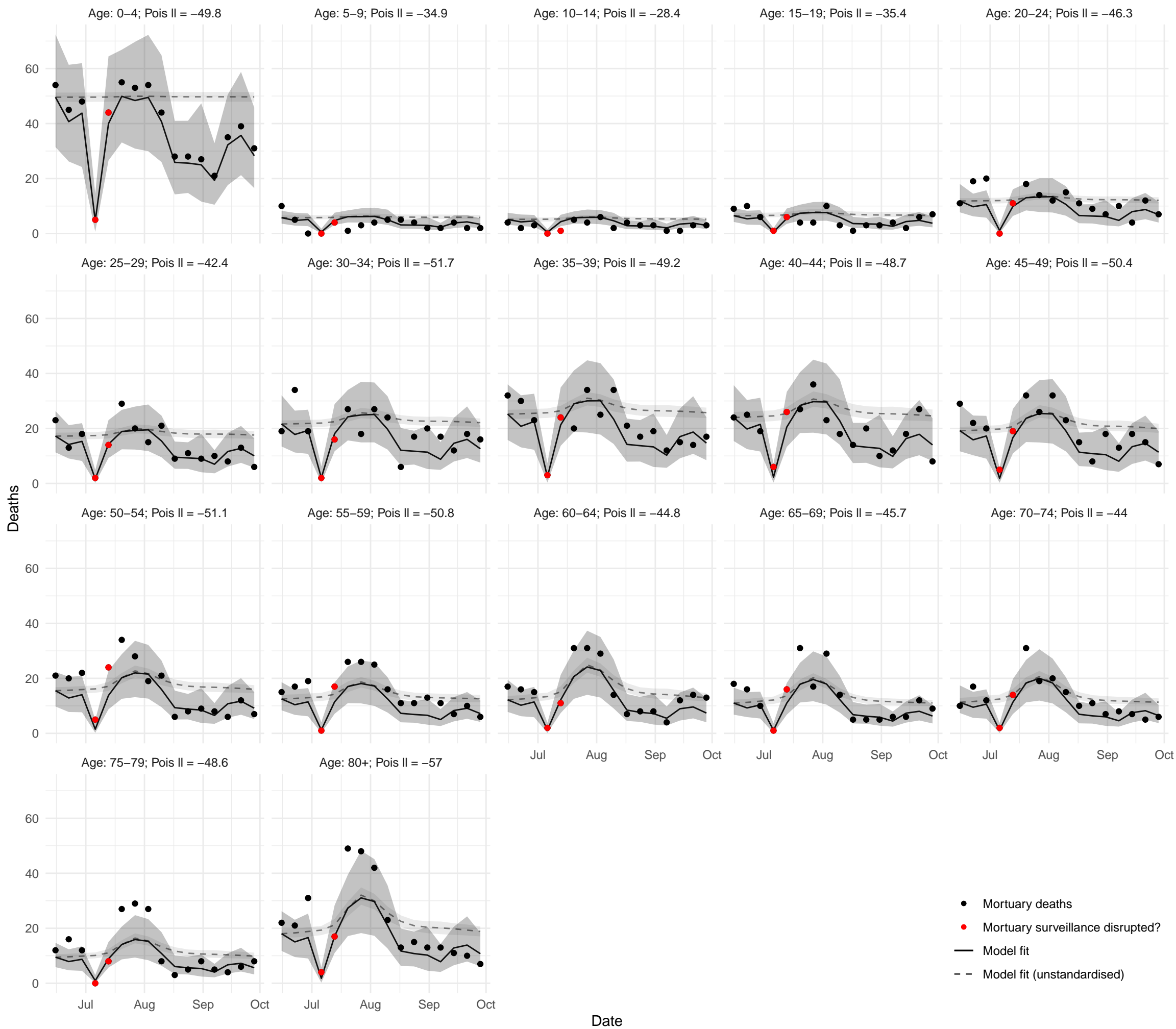


Modelled PCR %

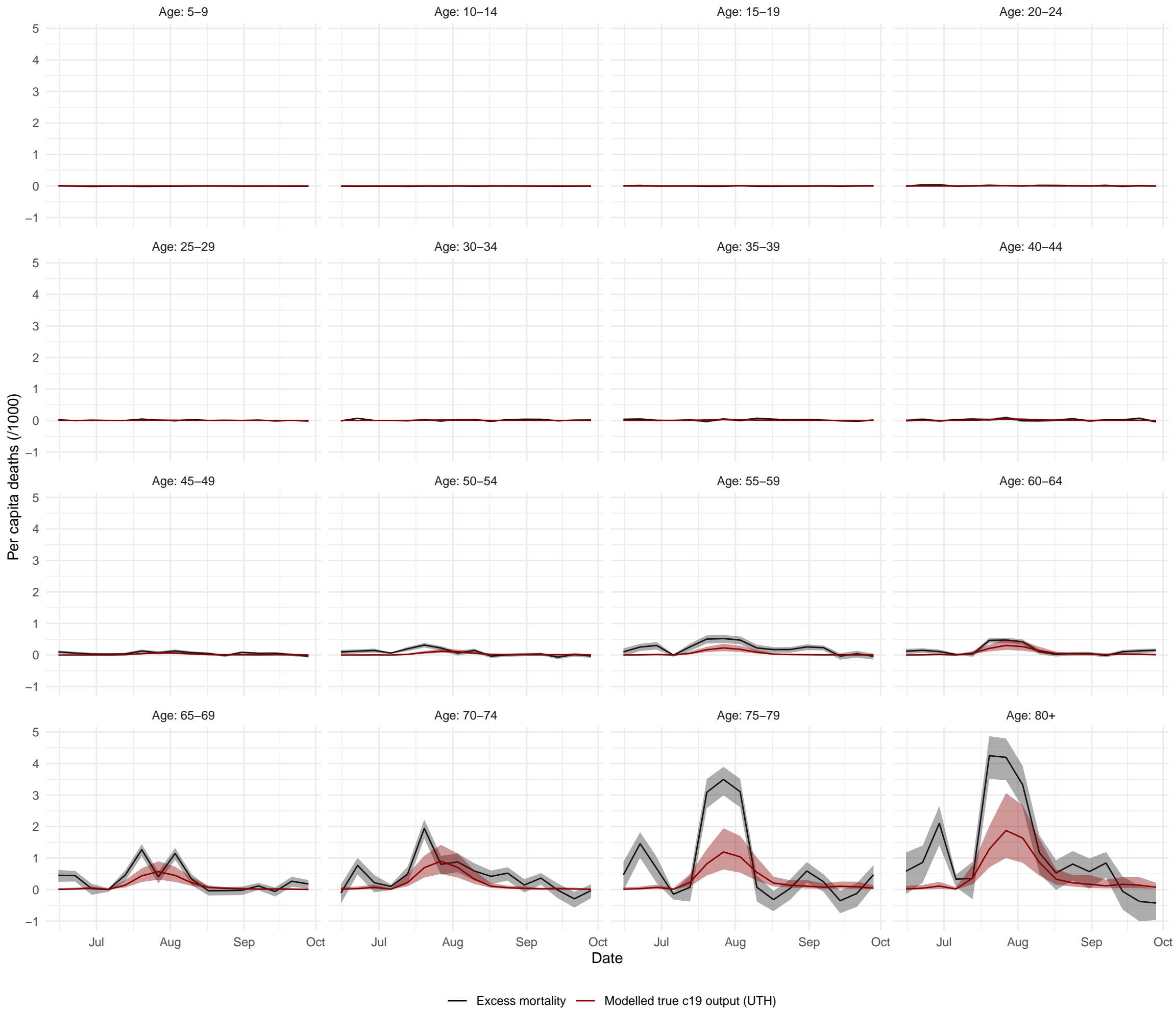


Modelled combined prevalence, Lusaka/Zambia

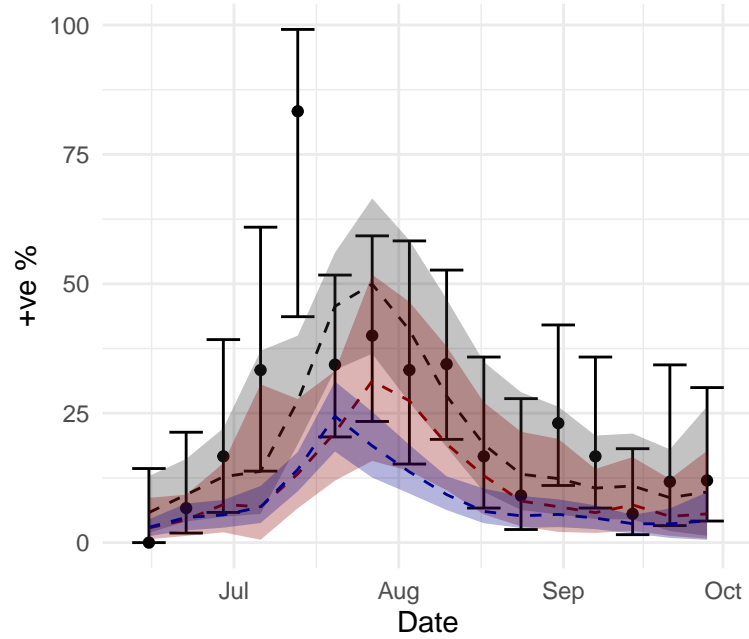




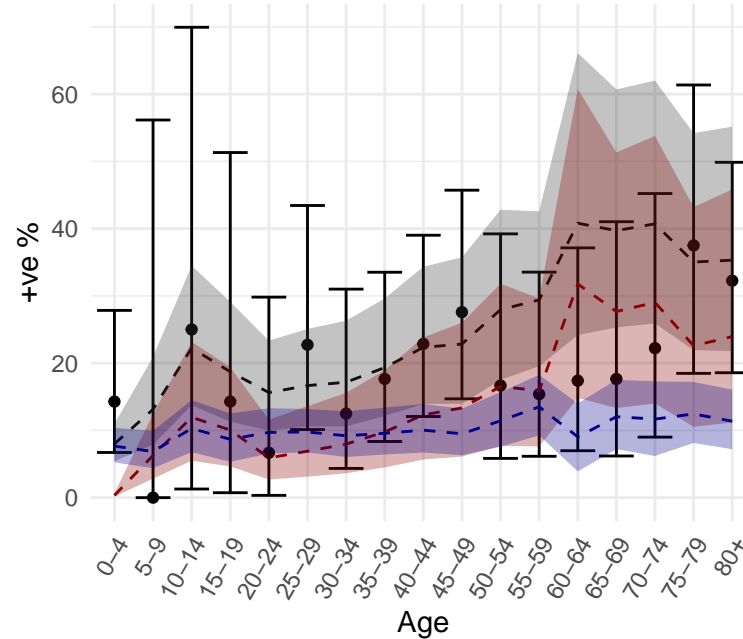
IFR x 0.2, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



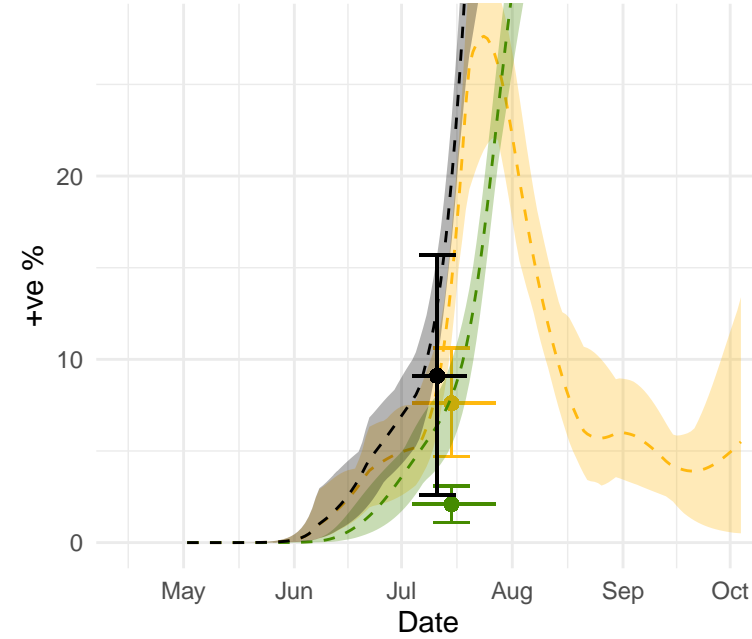
IFR x 0.4, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

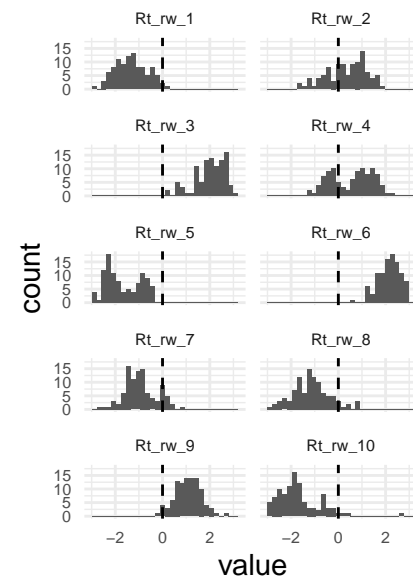
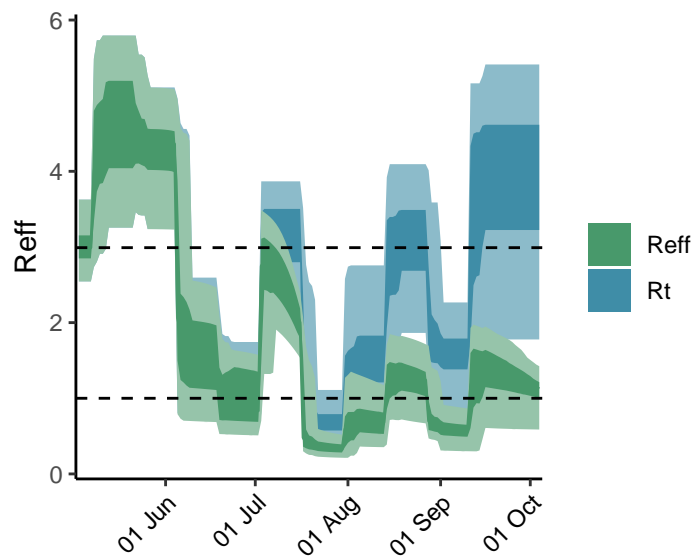


COVID-19 prevalence  
Lusaka/Zambia

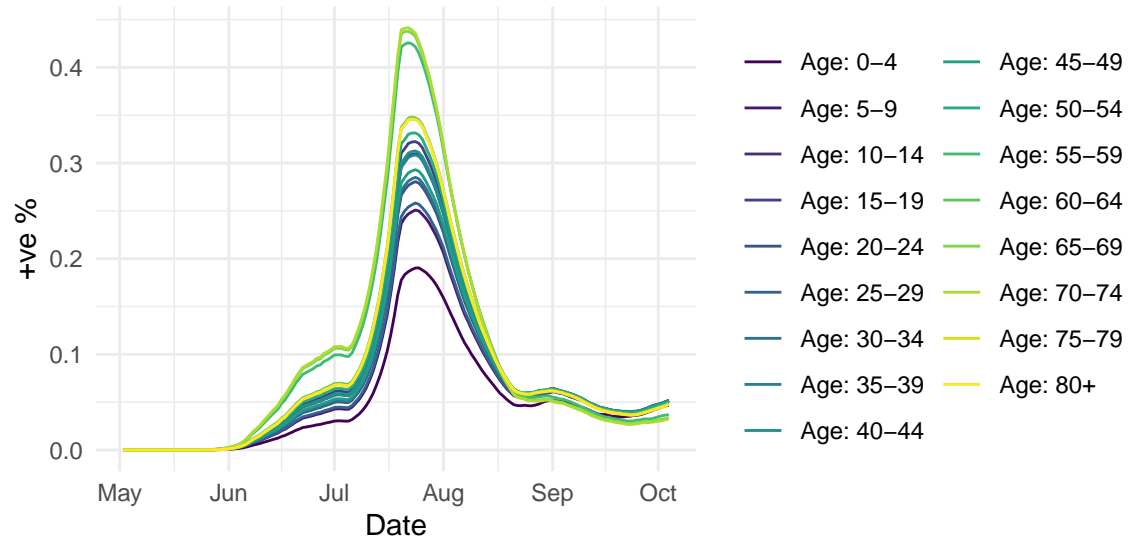


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

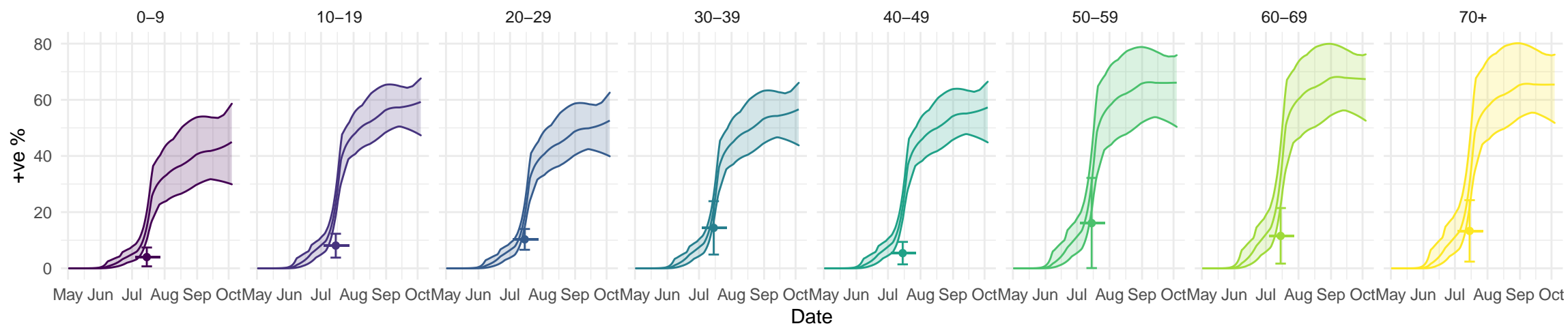
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



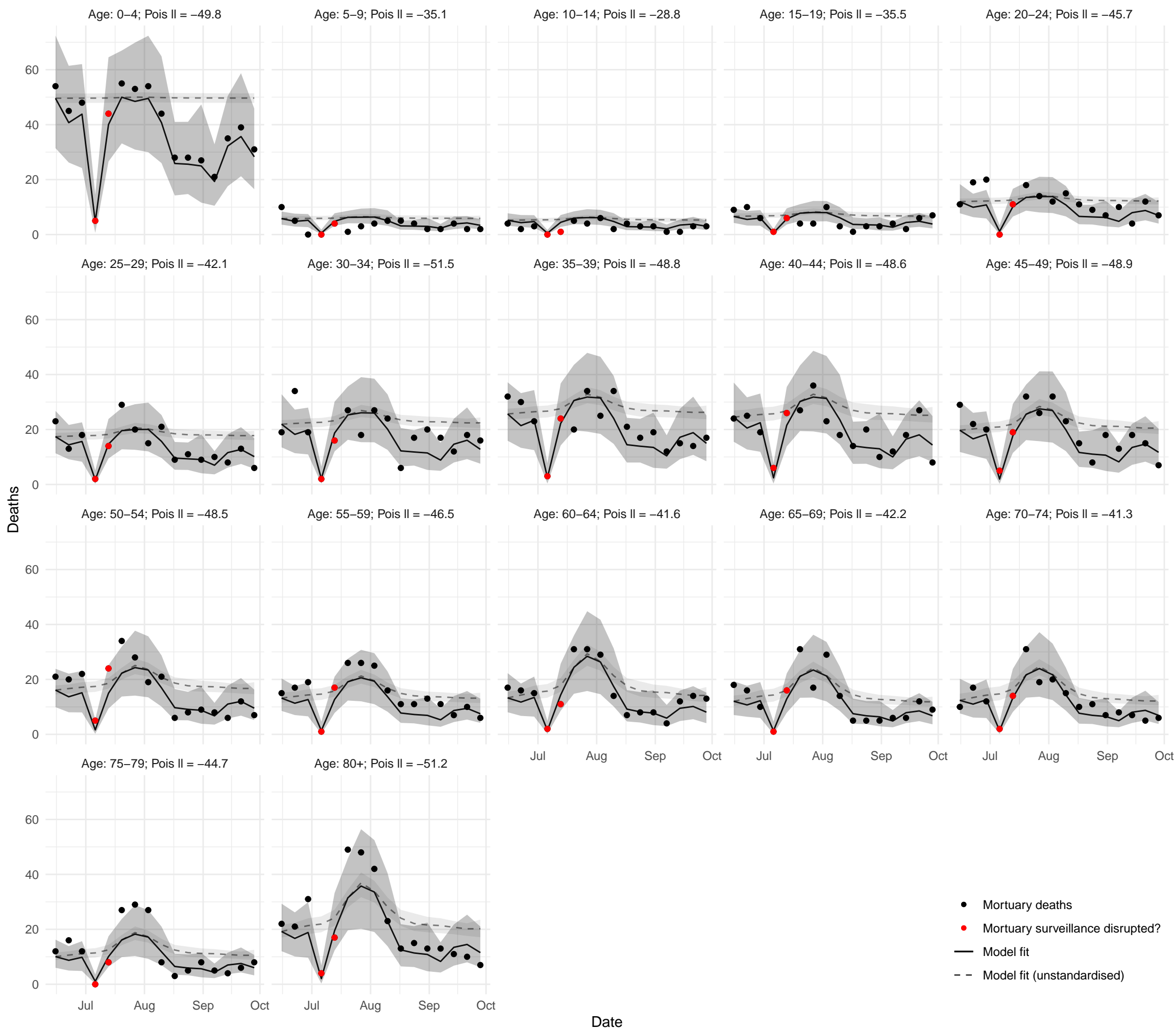
Modelled PCR %



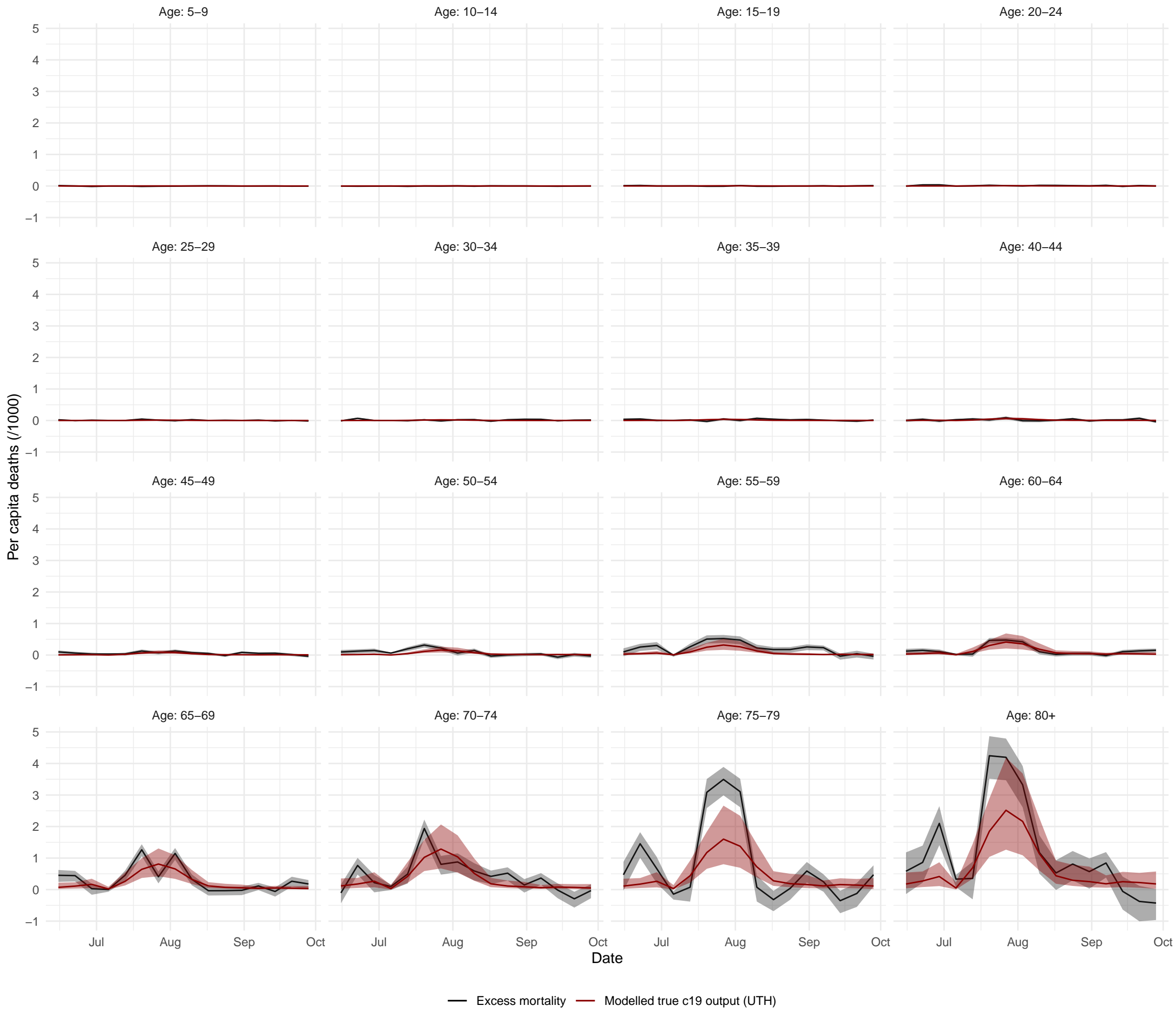
Modelled combined prevalence, Lusaka/Zambia



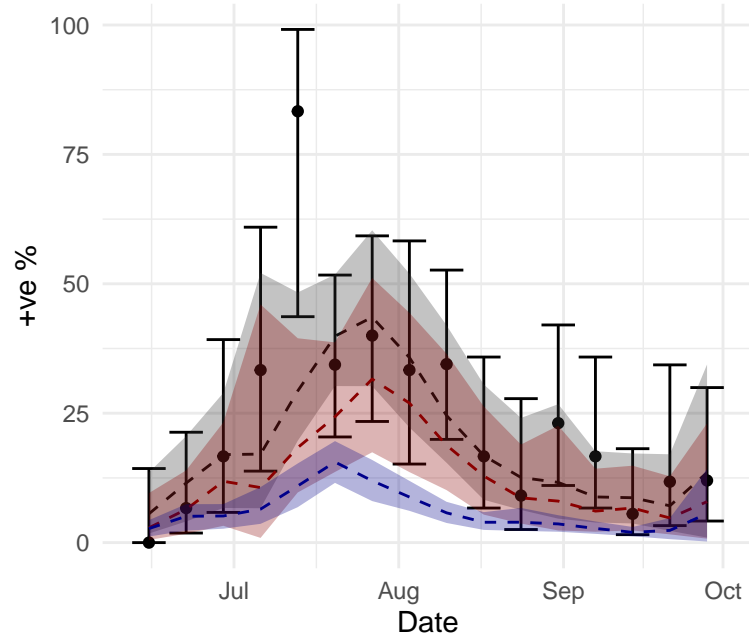




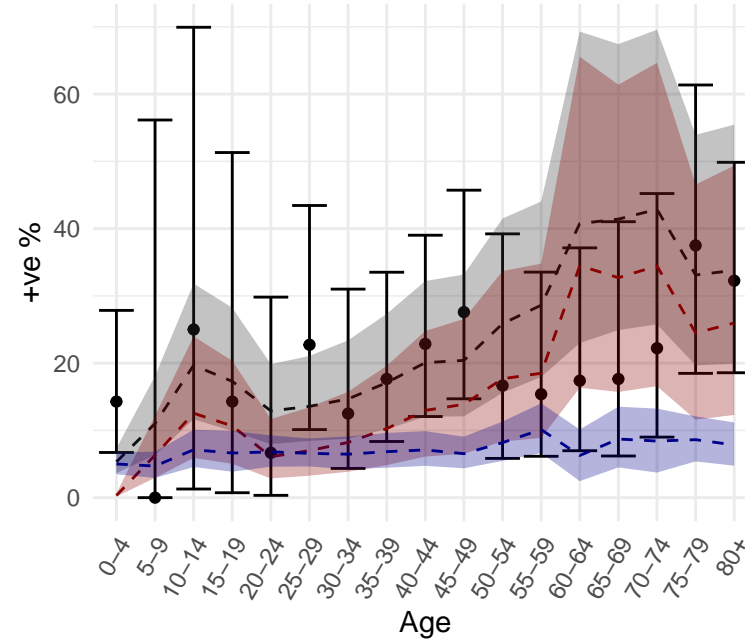
IFR x 0.4, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



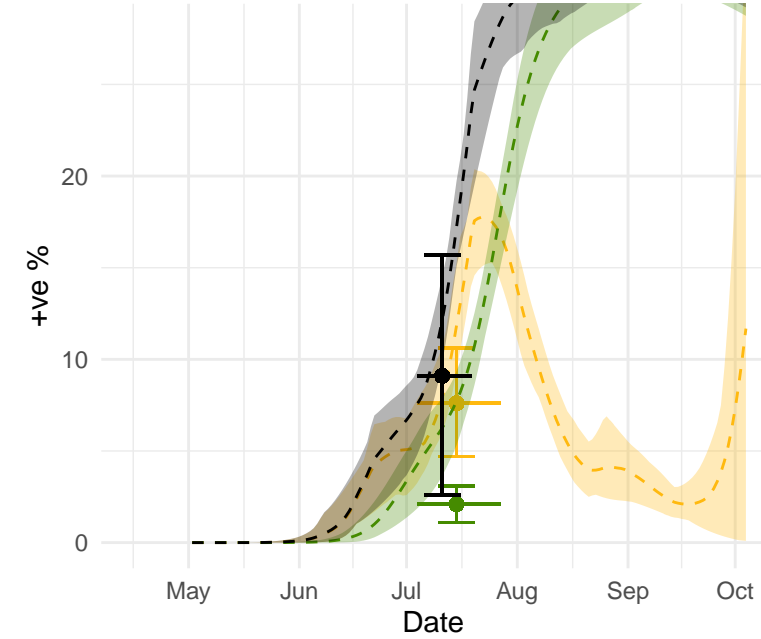
IFR x 0.6, Slope x 1  
 COVID-19 weekly prevalence  
 UTH mortuary



COVID-19 prevalence by age  
 UTH mortuary

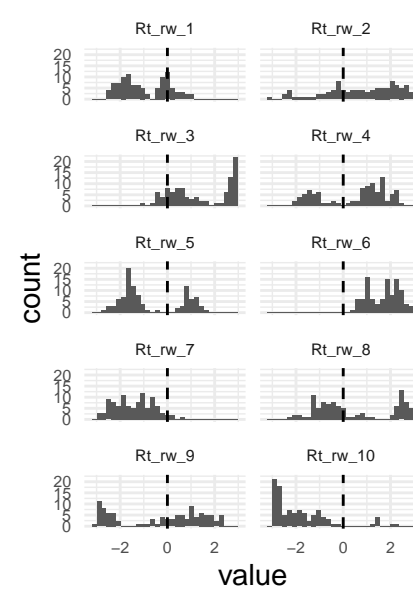
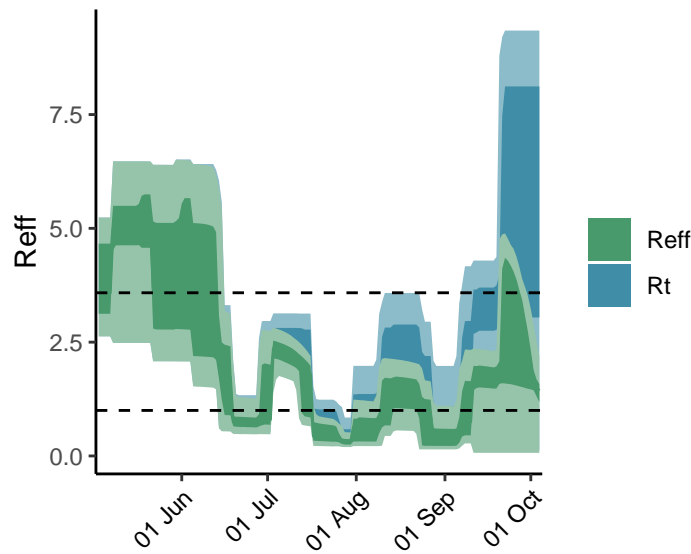


COVID-19 prevalence  
 Lusaka/Zambia

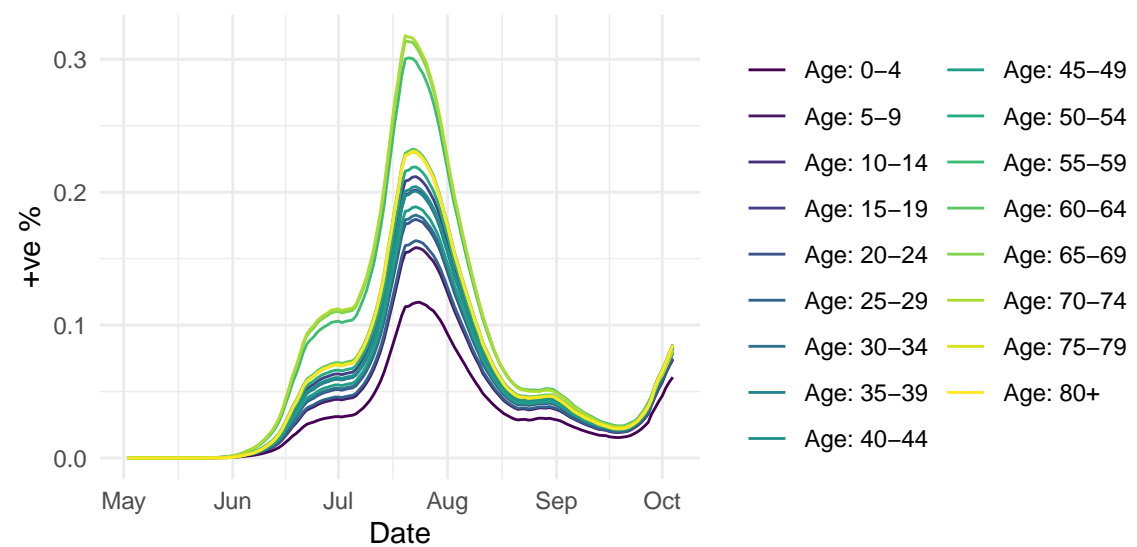


-- Total +ve deaths  
 -- Causal deaths  
 -- Coincidental deaths

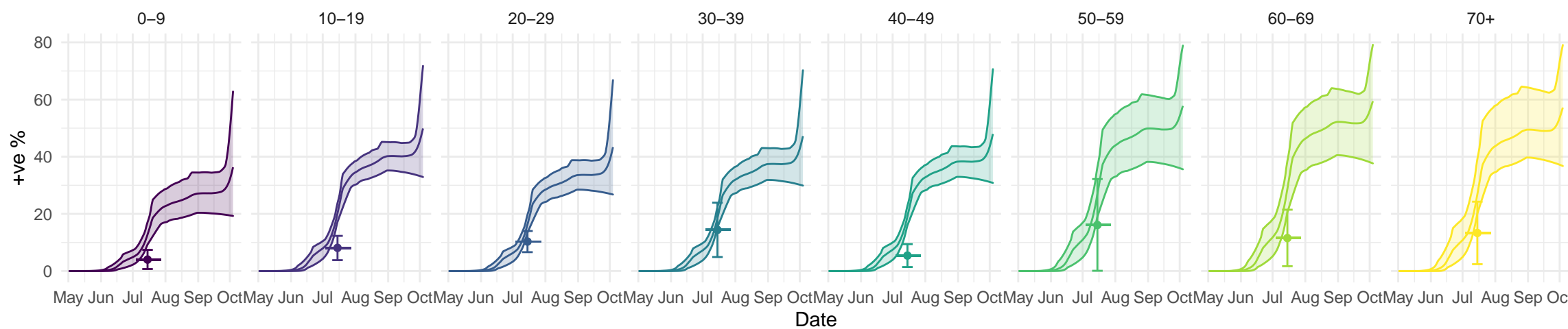
● Combined % (Lusaka)  
 ● PCR % (Zambia)  
 ● Sero % (Zambia)

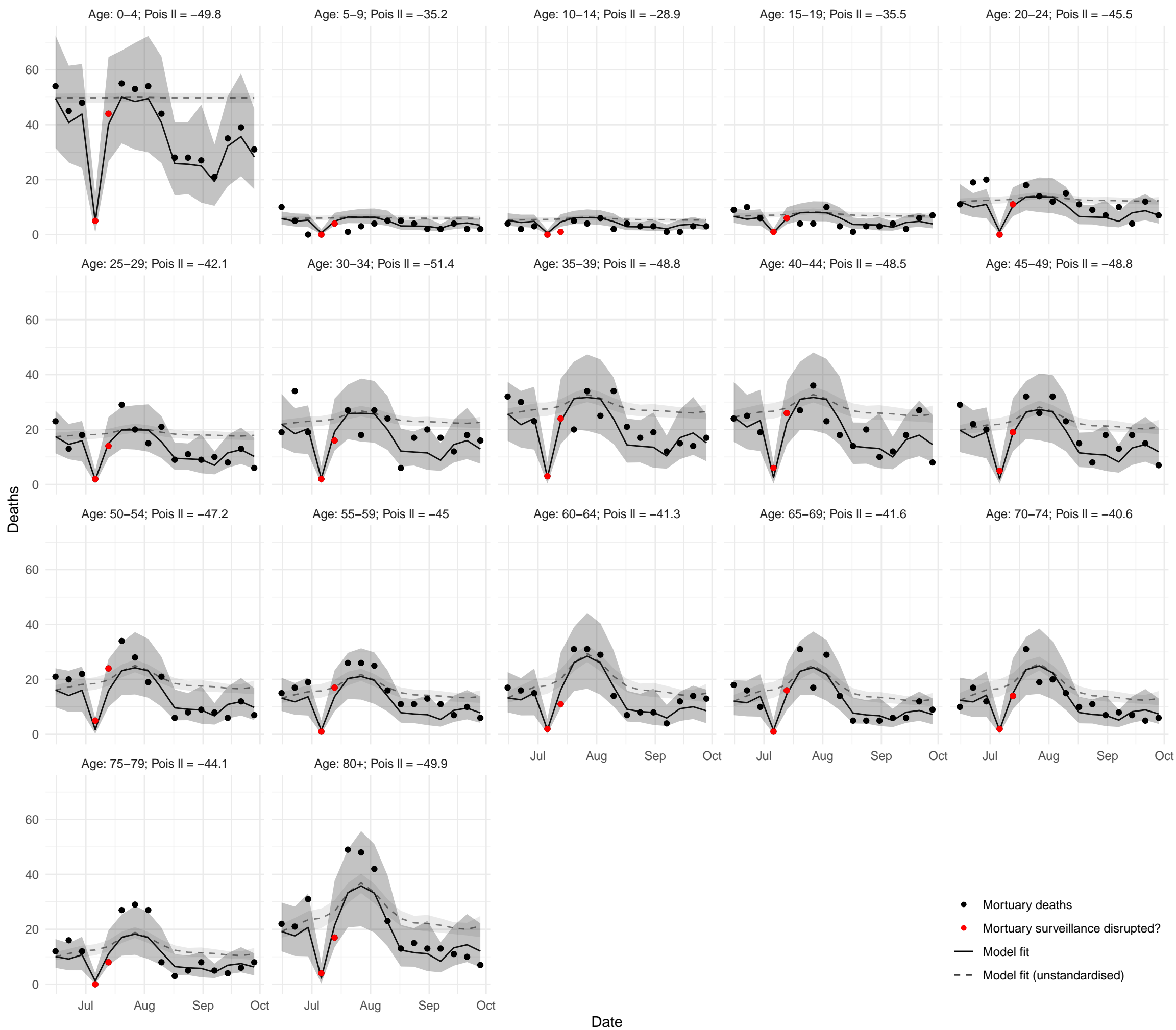


Modelled PCR %

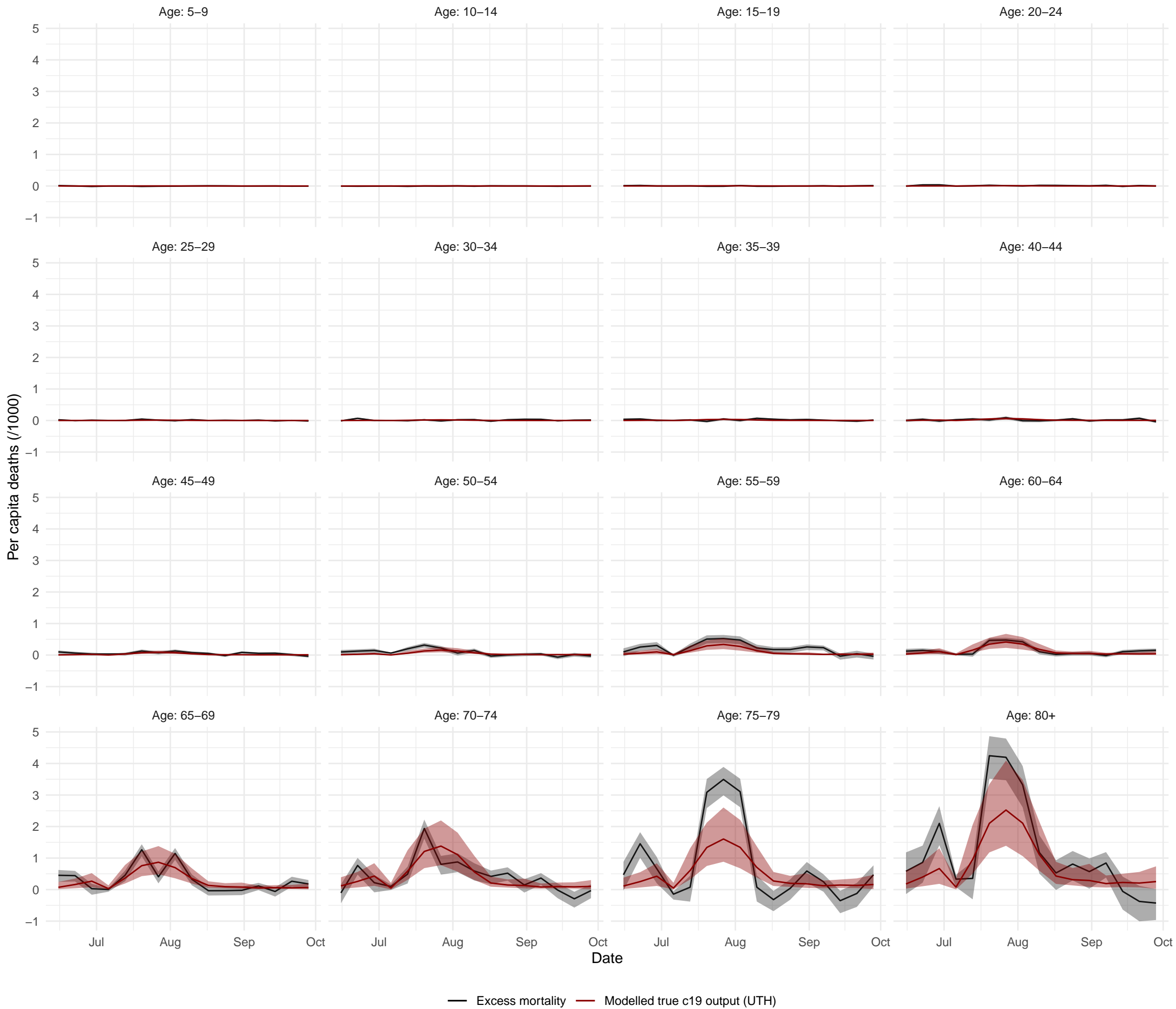


Modelled combined prevalence, Lusaka/Zambia

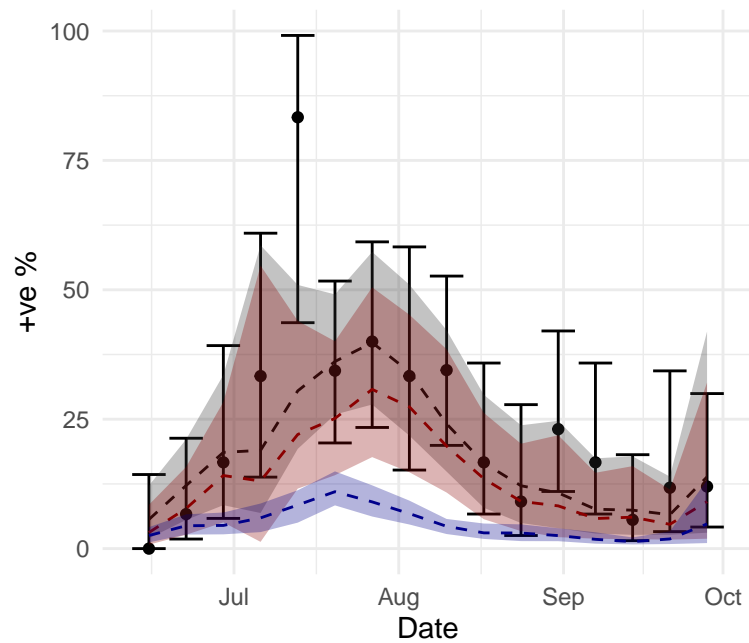




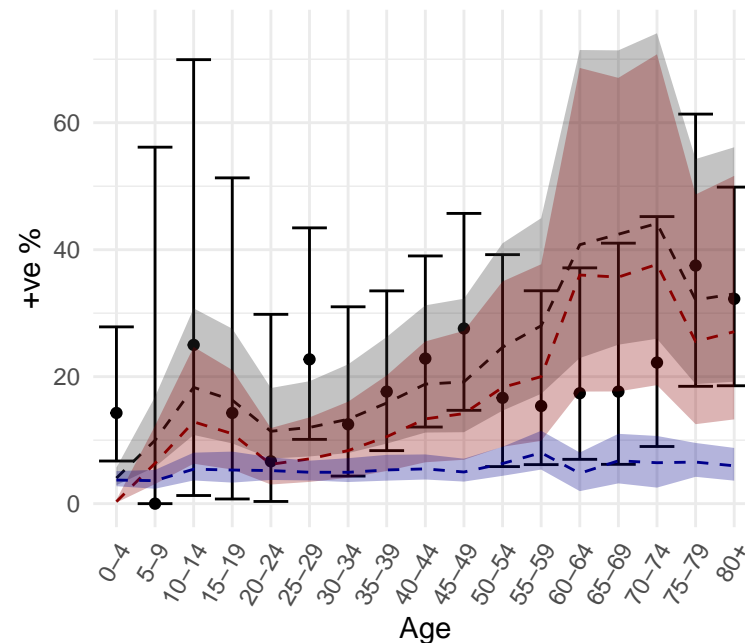
IFR x 0.6, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



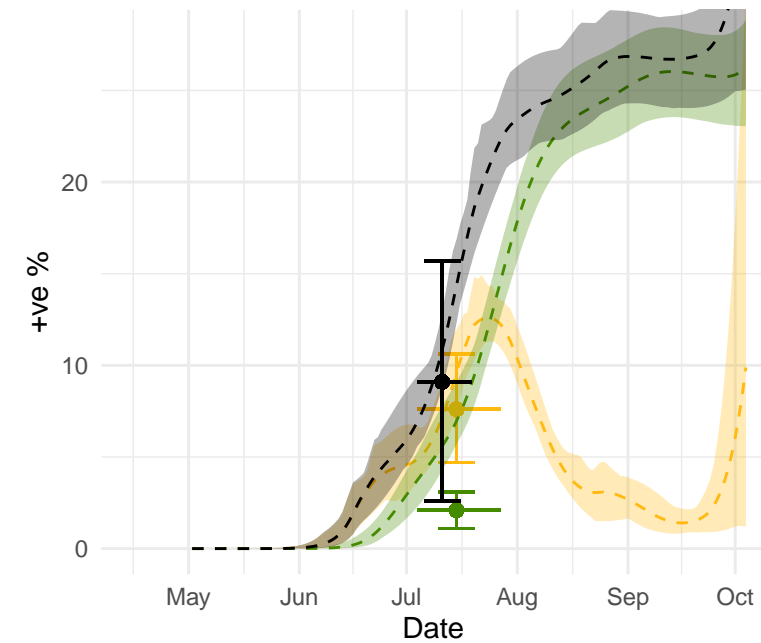
IFR x 0.8, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

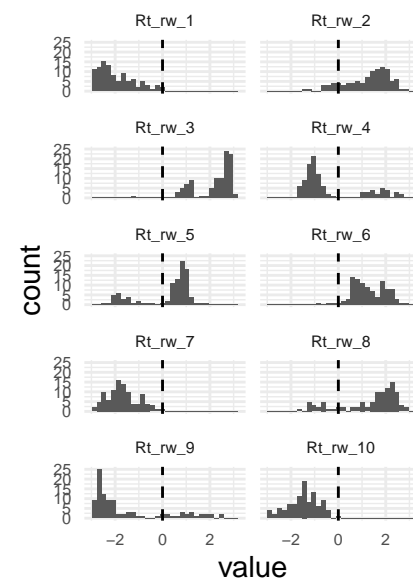
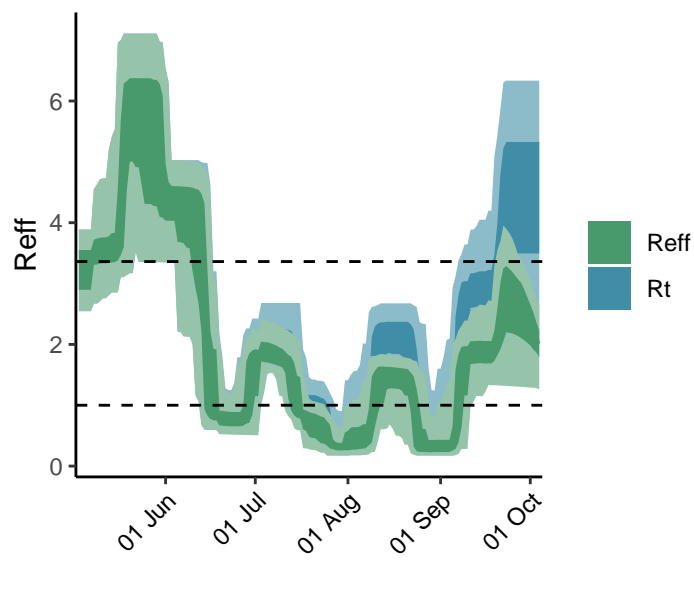


COVID-19 prevalence  
Lusaka/Zambia

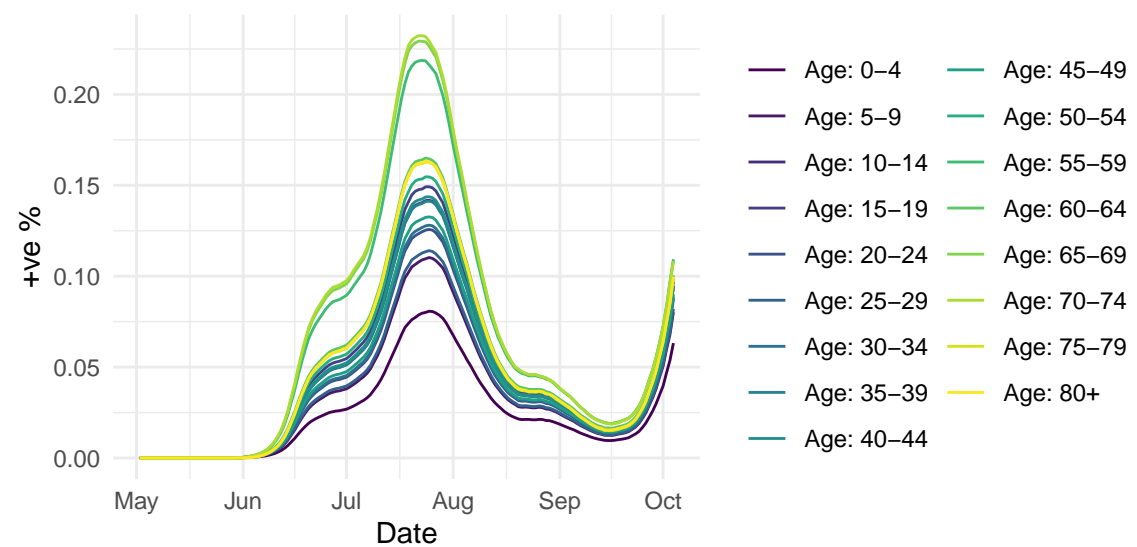


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

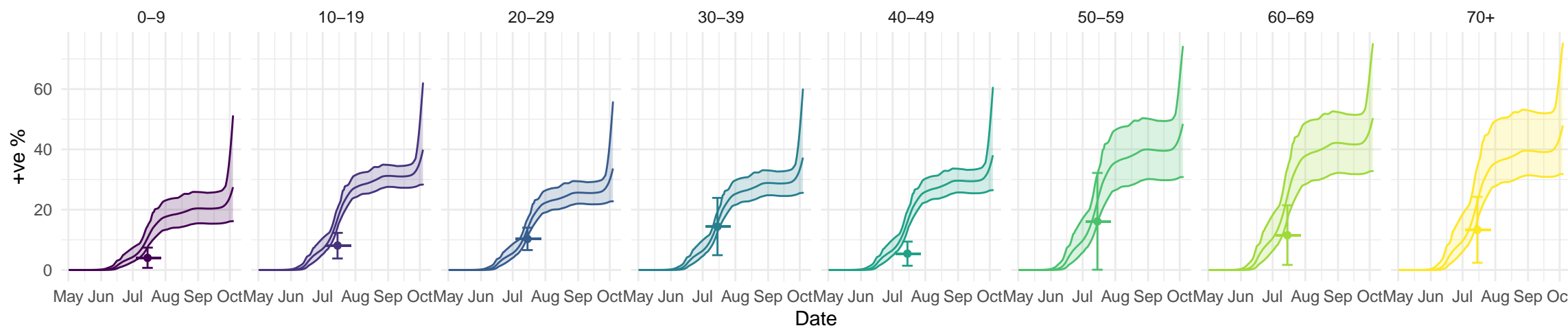
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

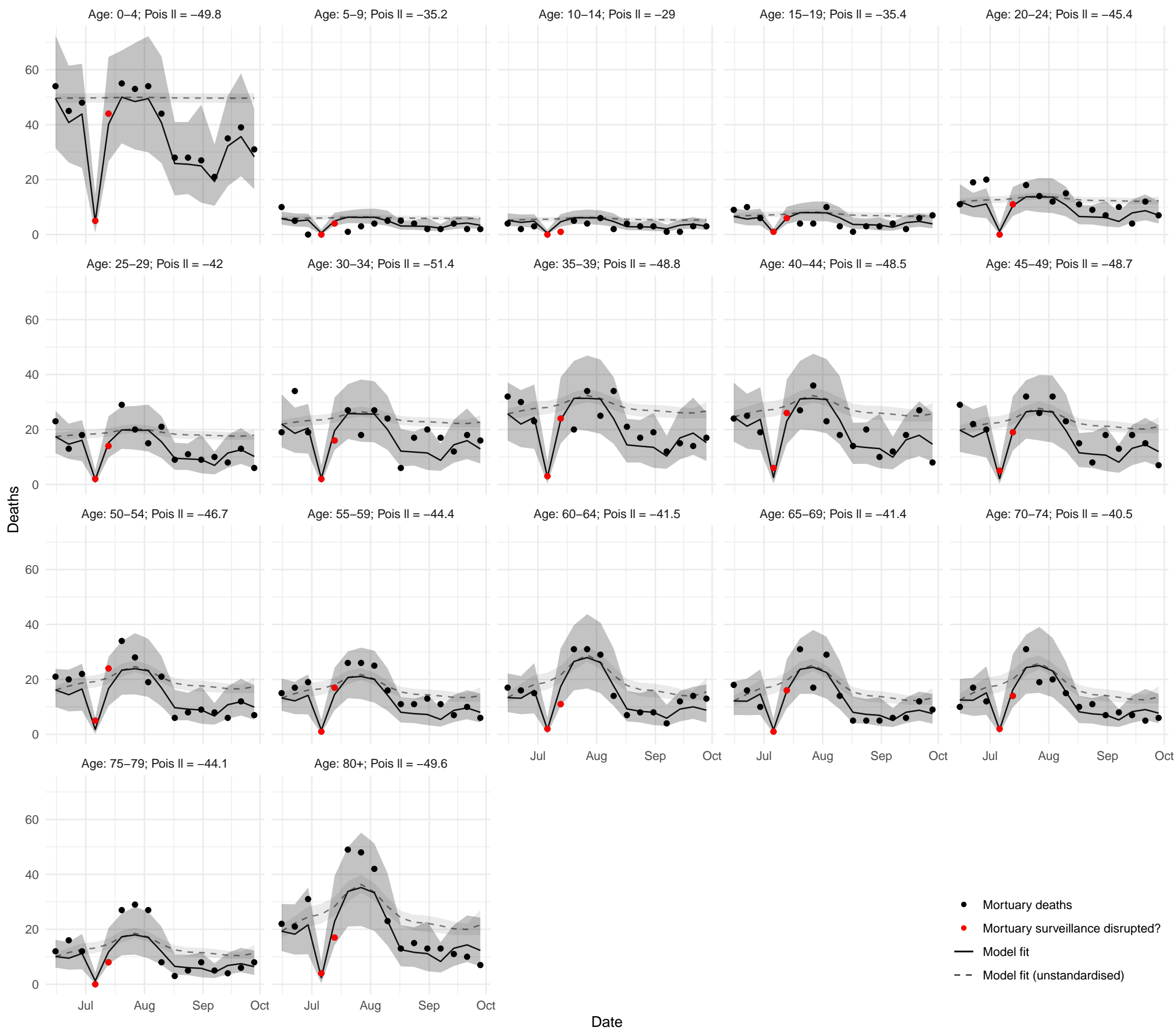


Modelled PCR %

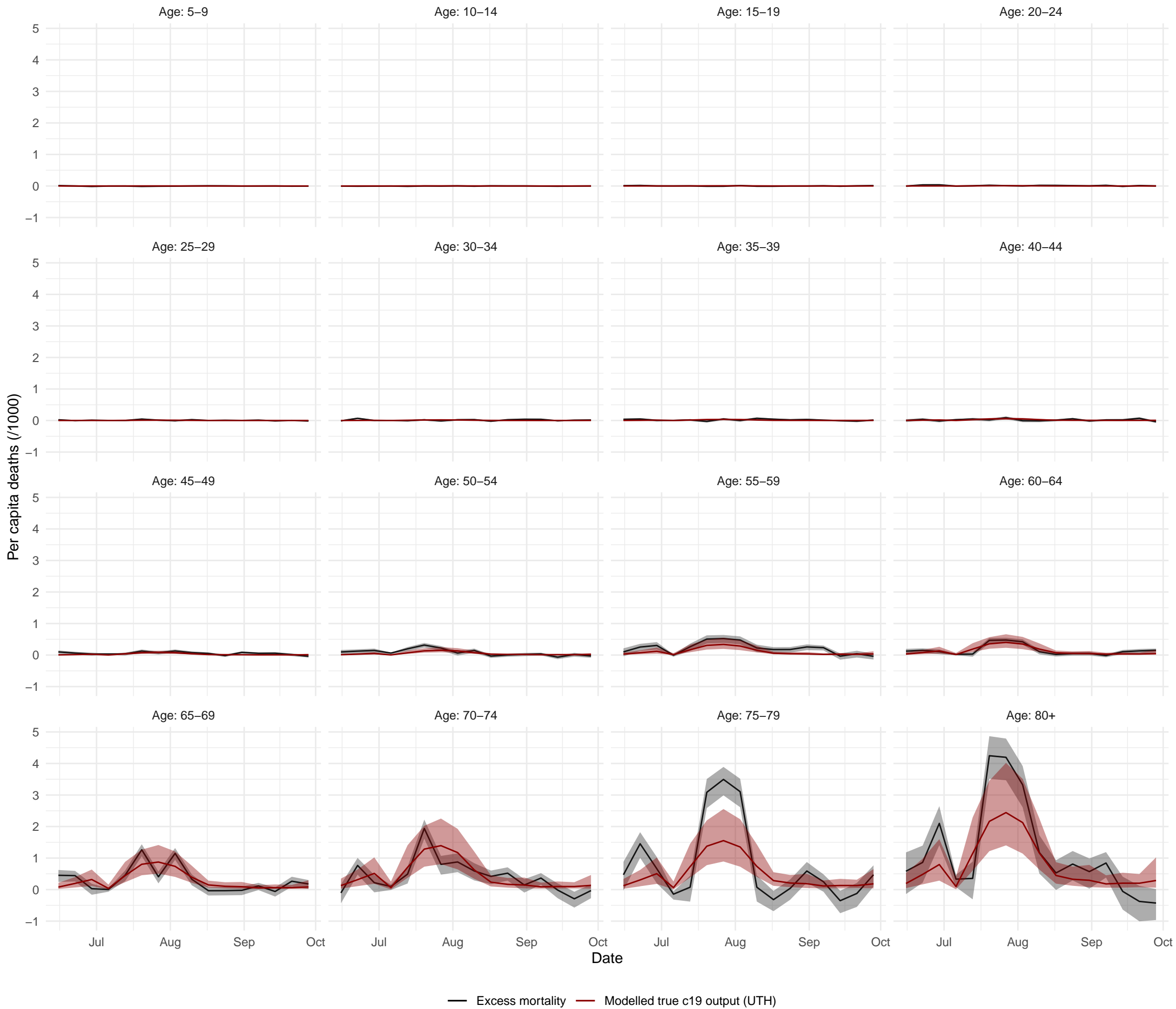


Modelled combined prevalence, Lusaka/Zambia



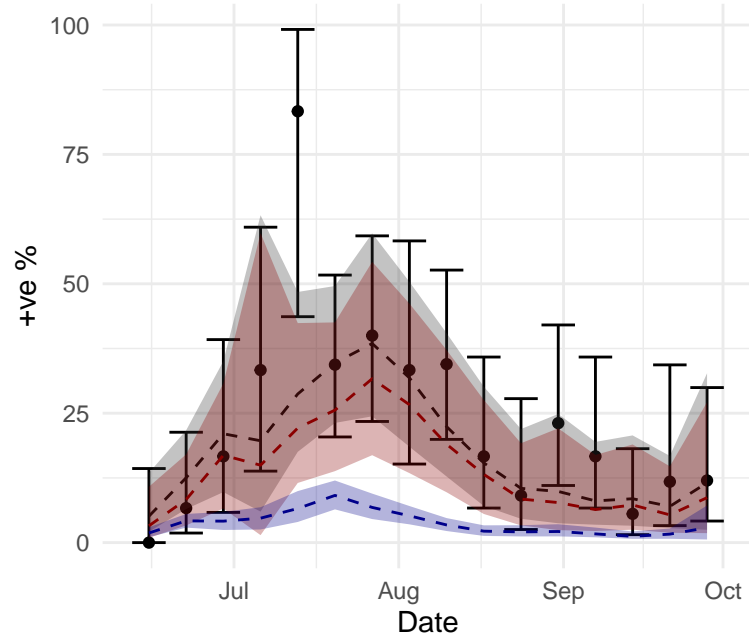


IFR x 0.8, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results

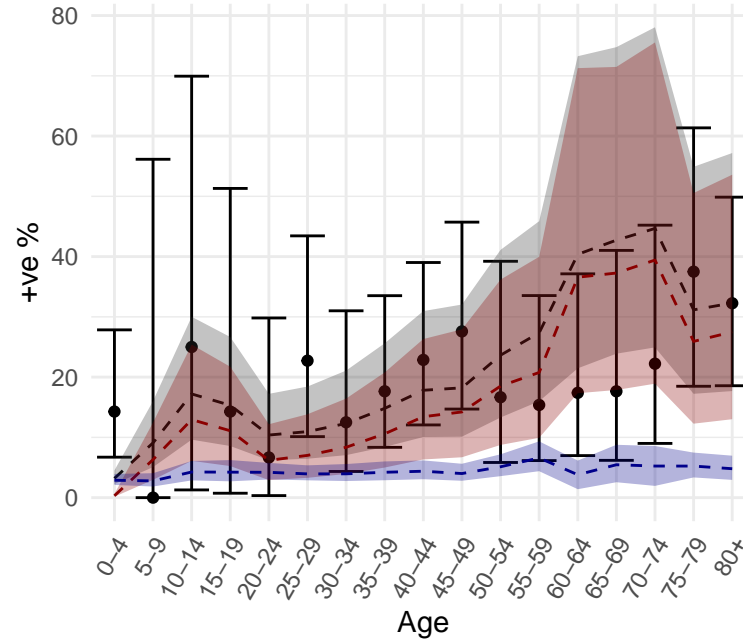




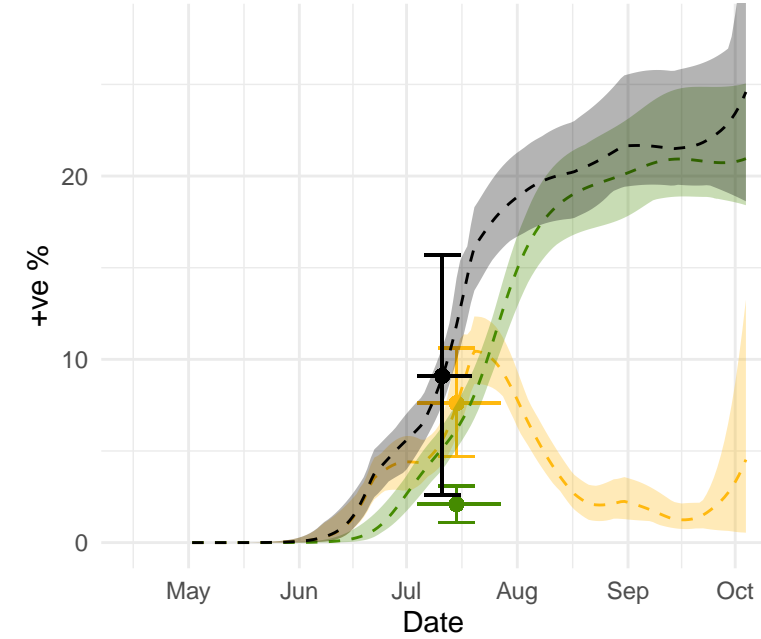
IFR x 1, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

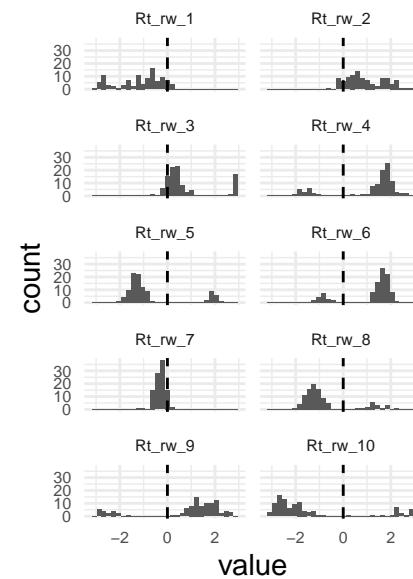
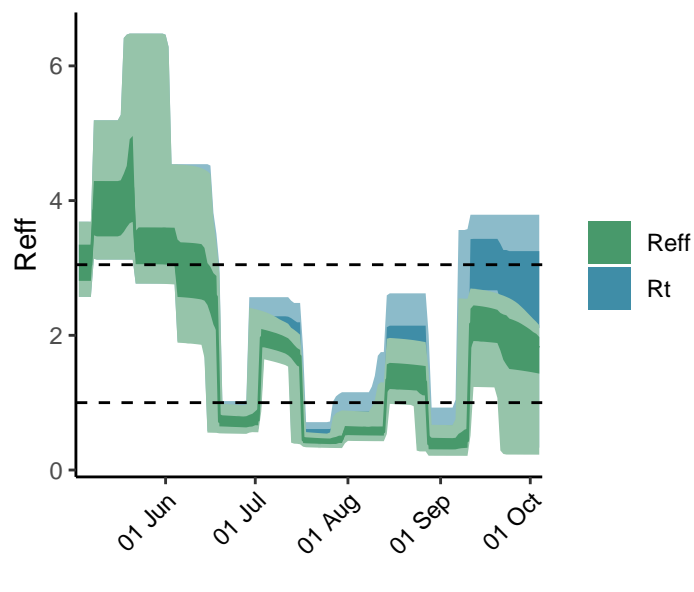


COVID-19 prevalence  
Lusaka/Zambia

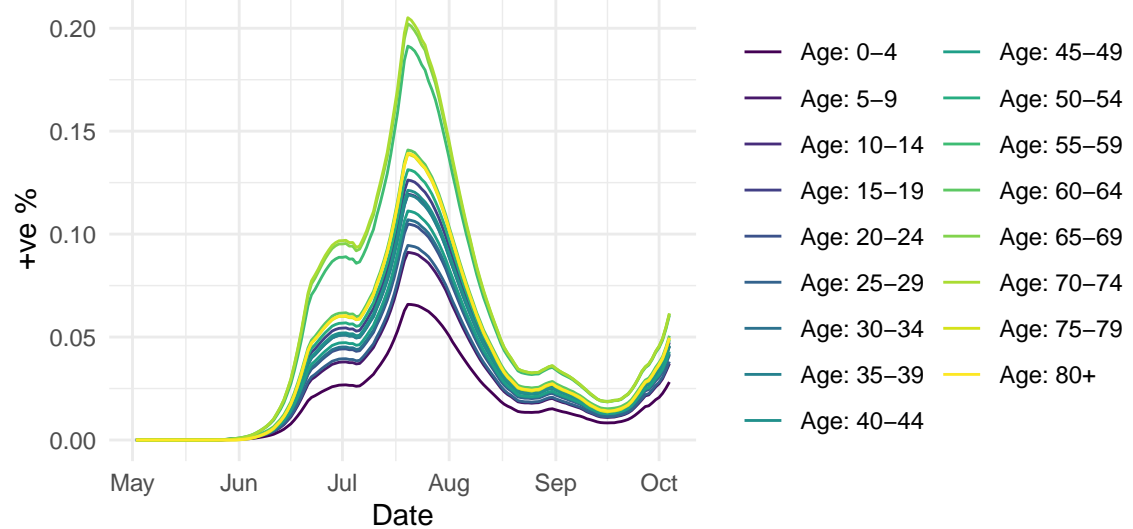


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

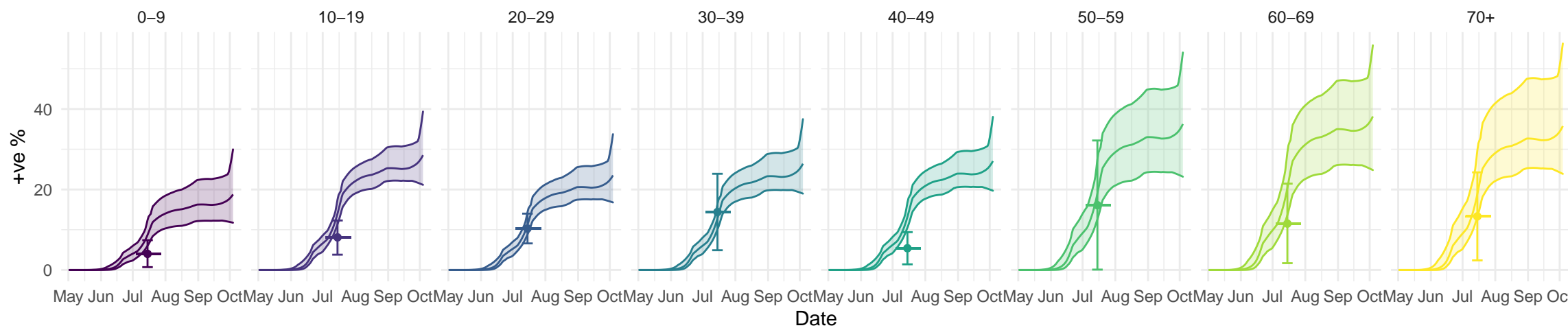
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

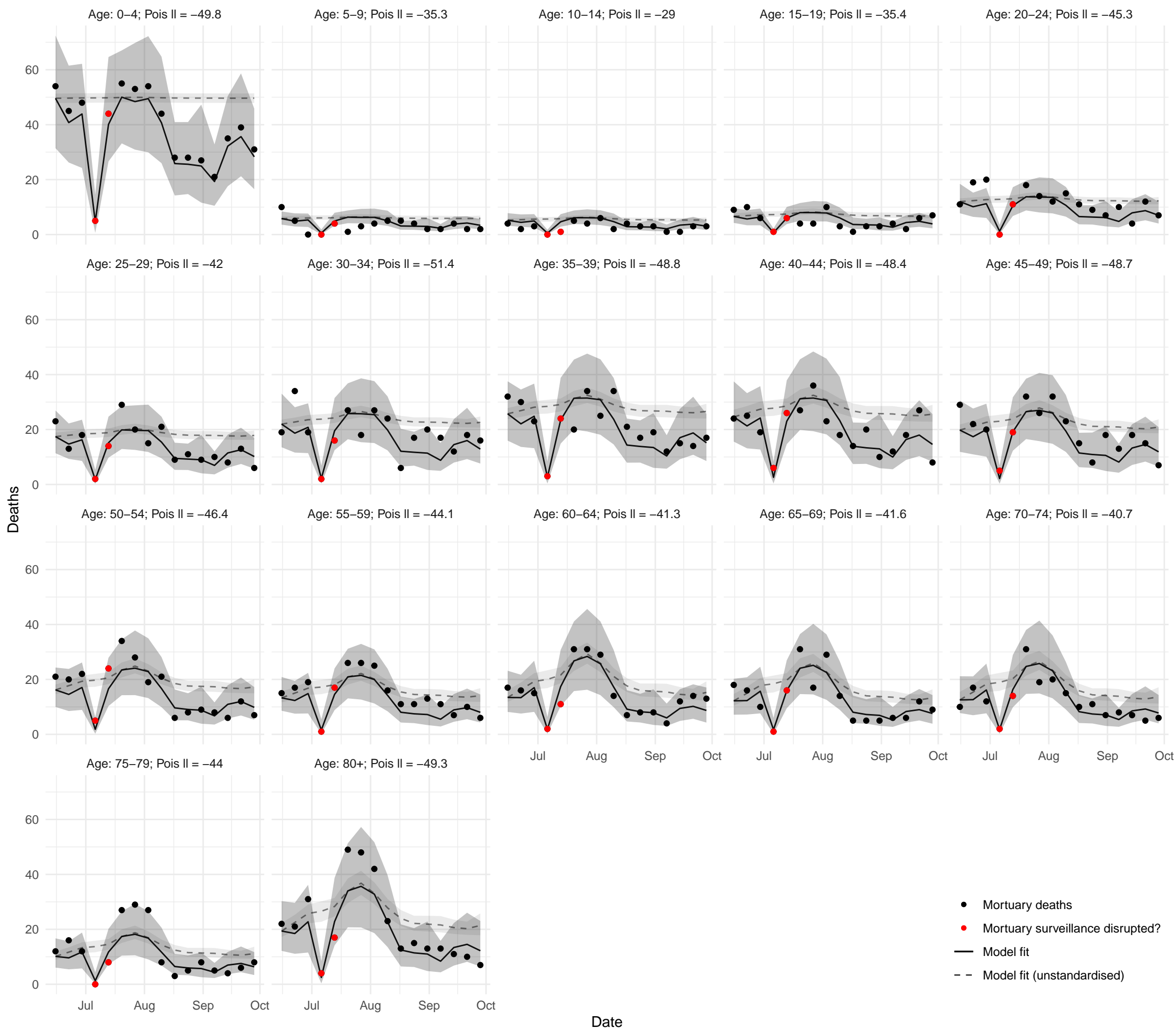


Modelled PCR %

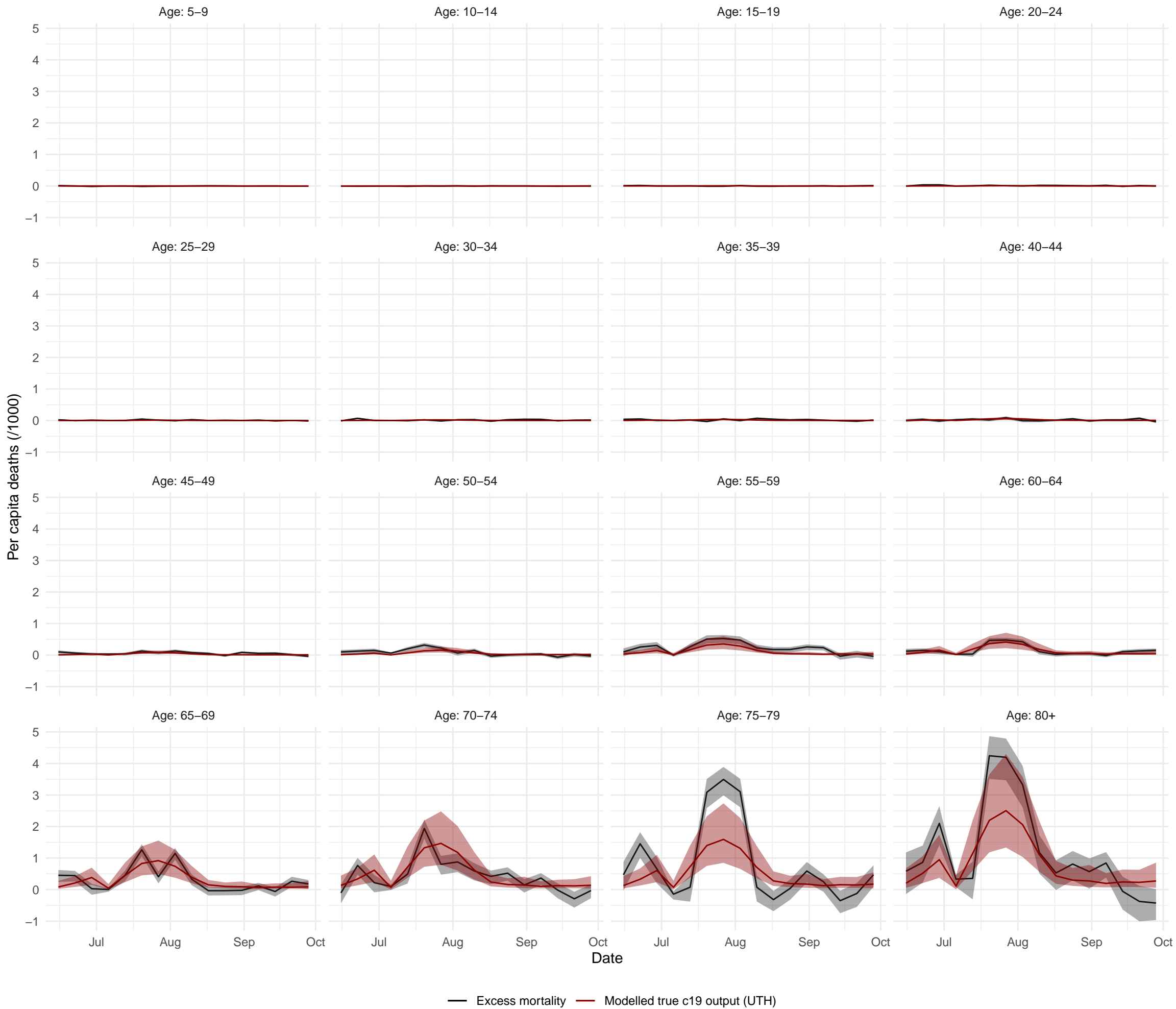


Modelled combined prevalence, Lusaka/Zambia

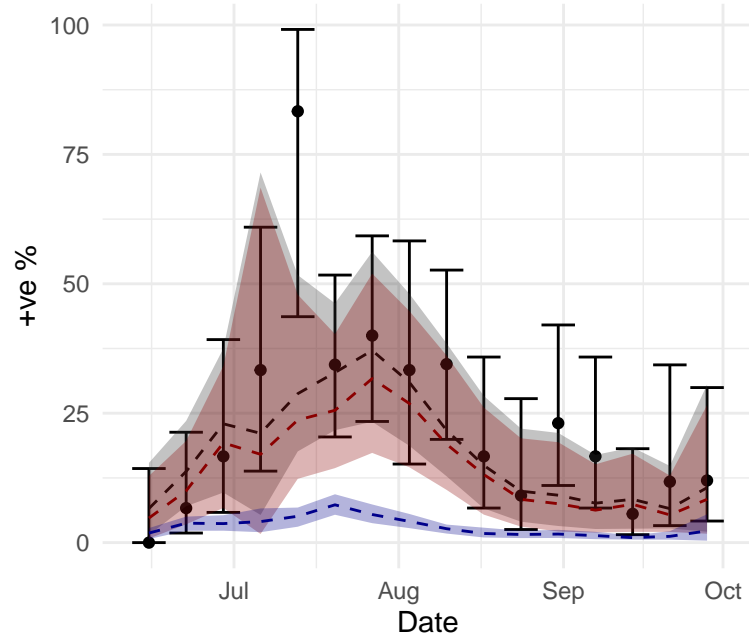




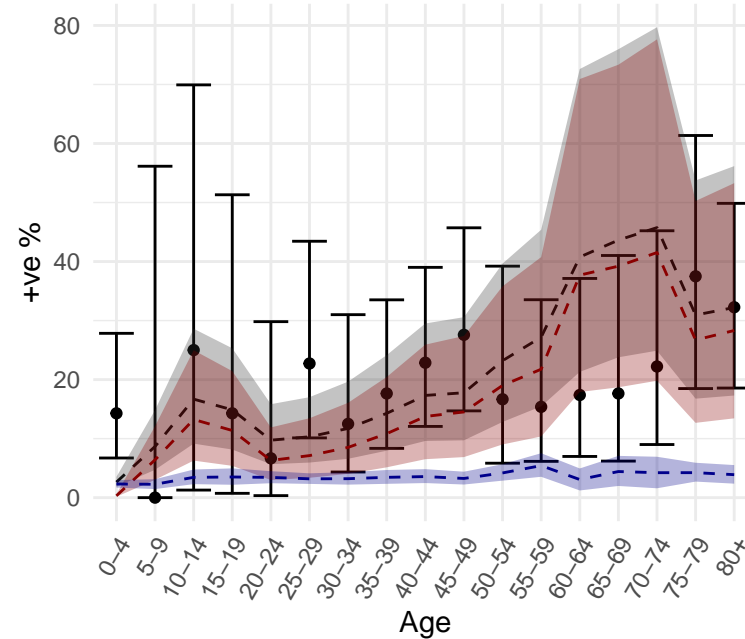
IFR x 1, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



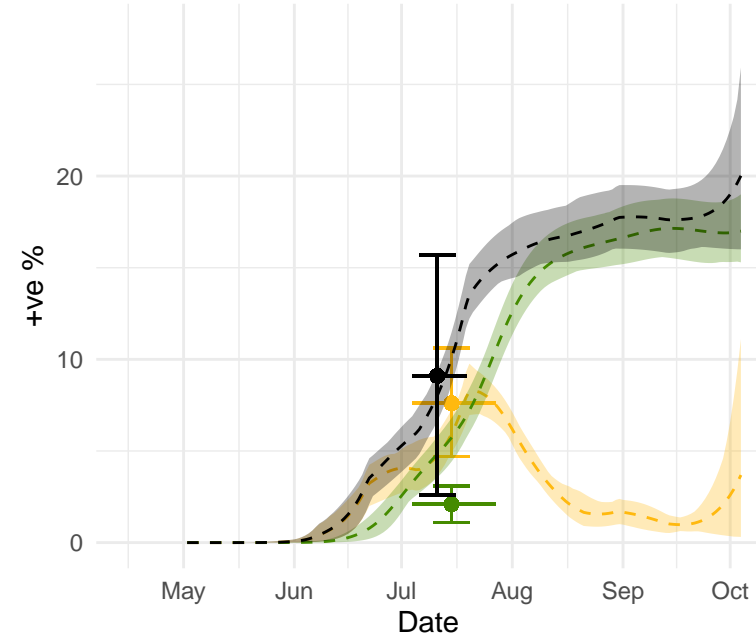
IFR x 1.25, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

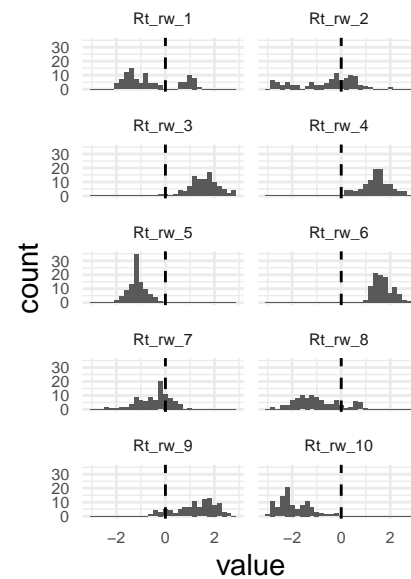
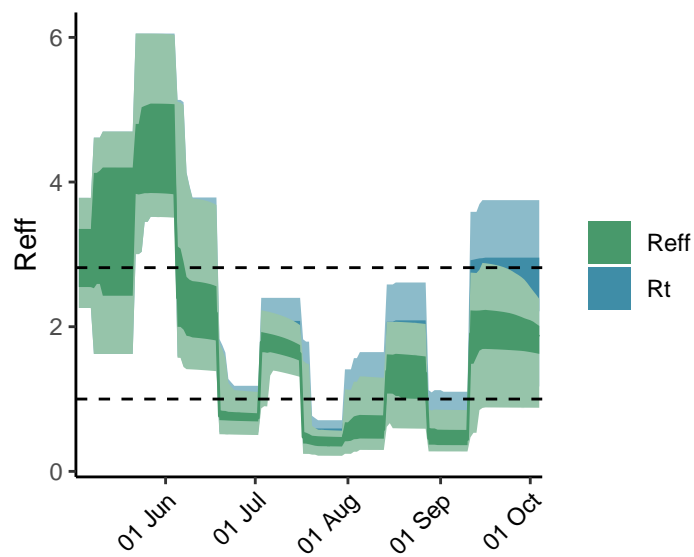


COVID-19 prevalence  
Lusaka/Zambia

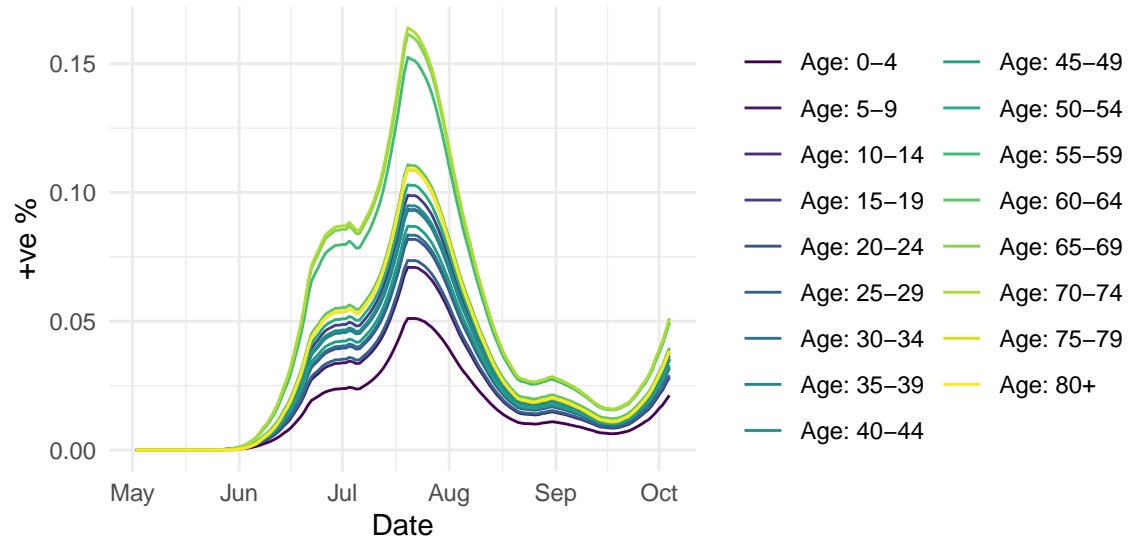


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

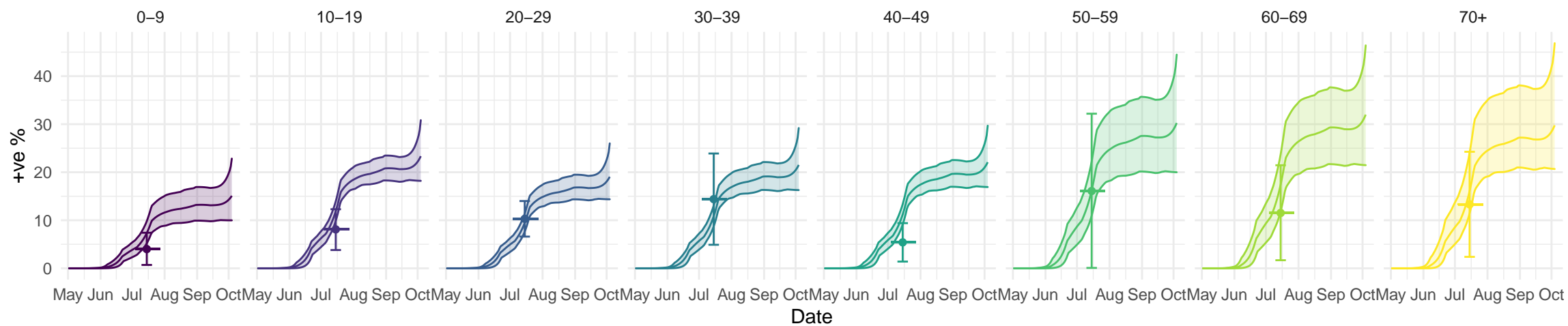
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

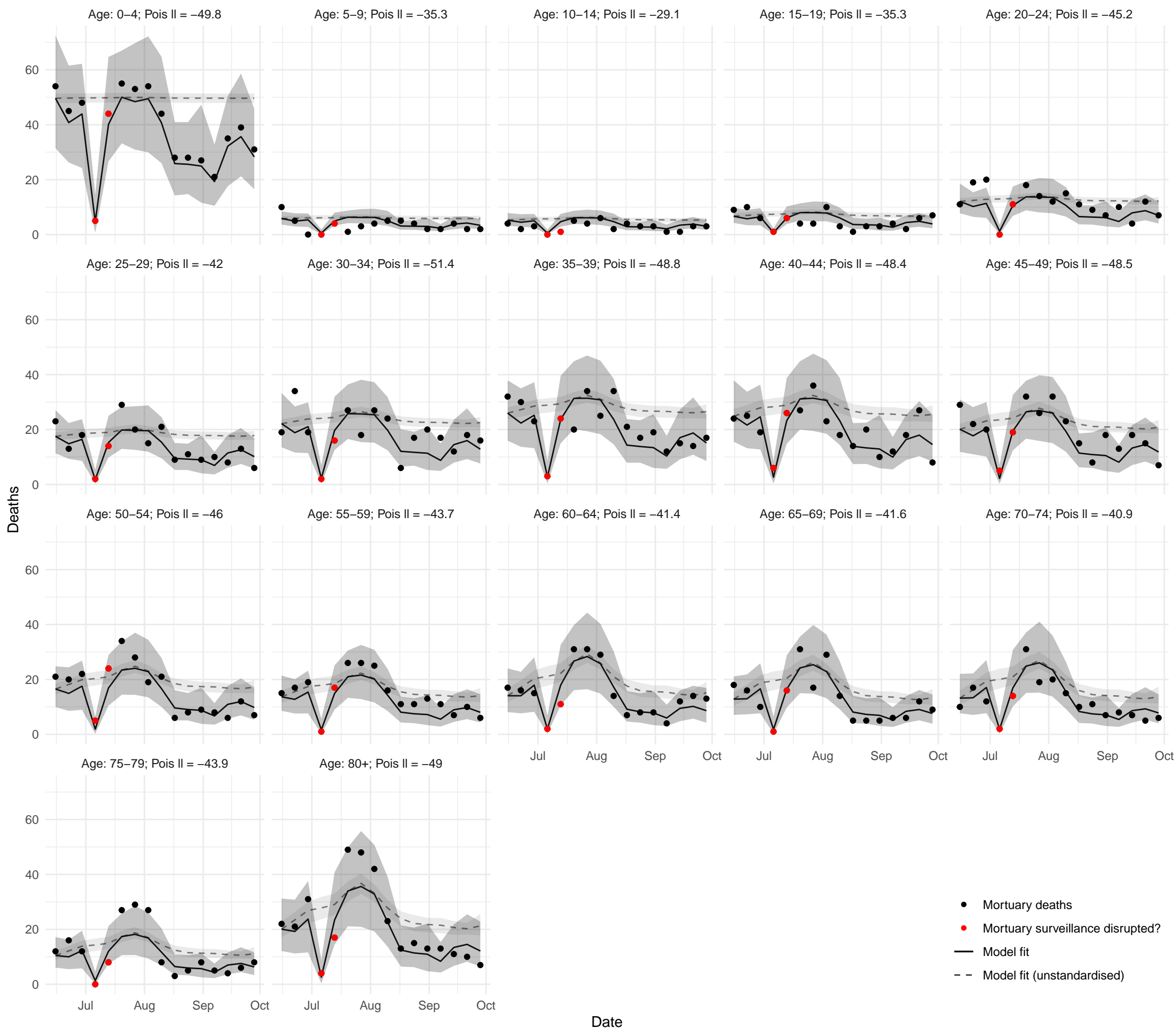


Modelled PCR %

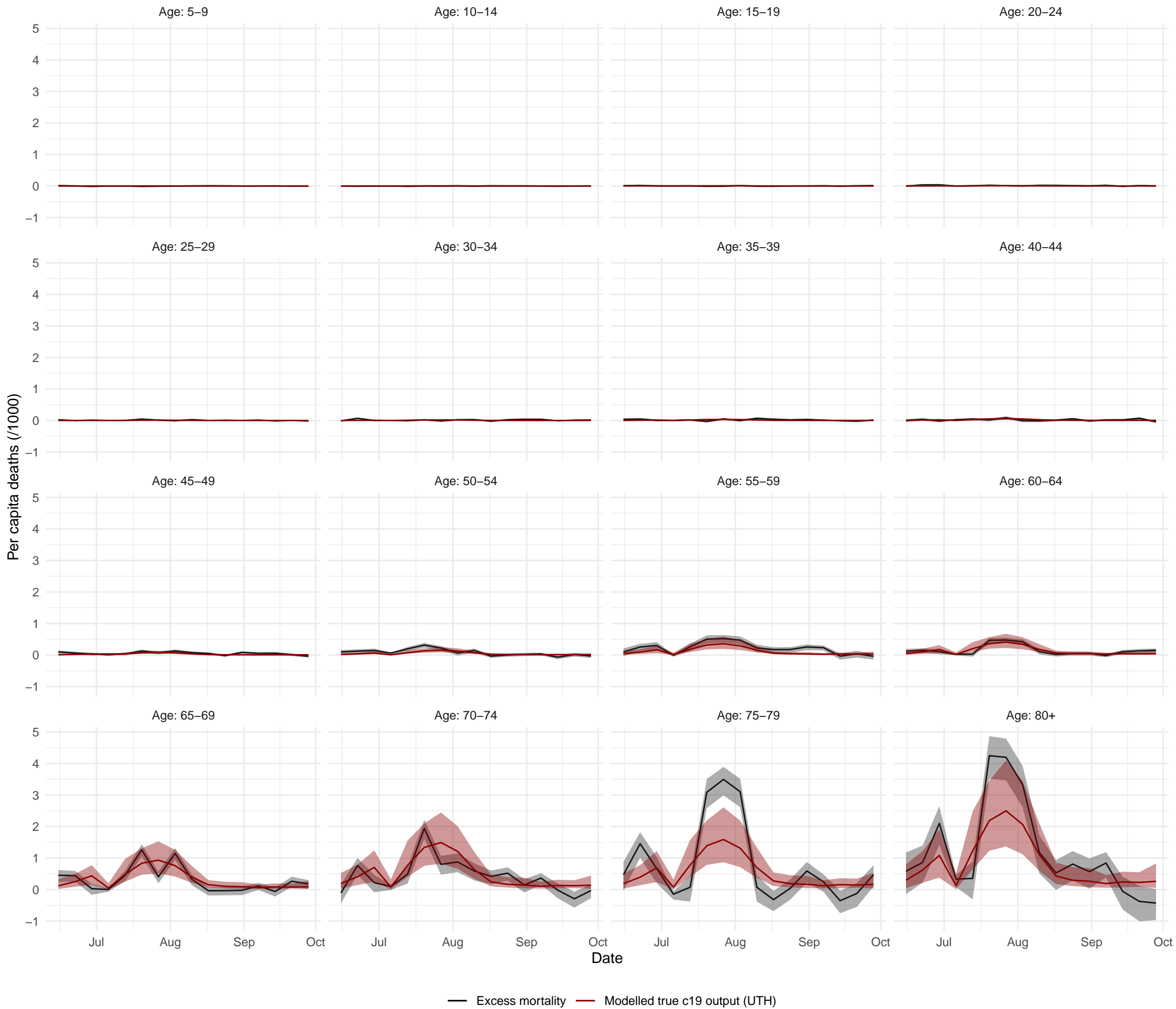


Modelled combined prevalence, Lusaka/Zambia

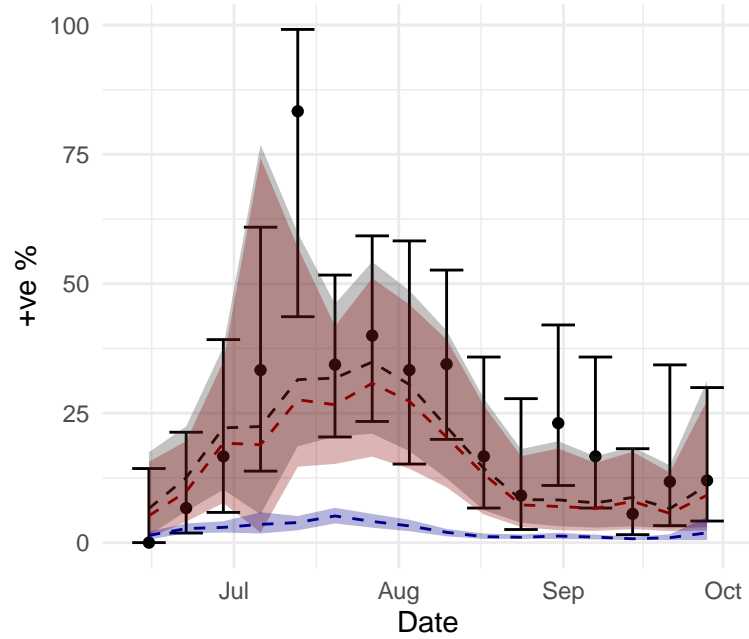




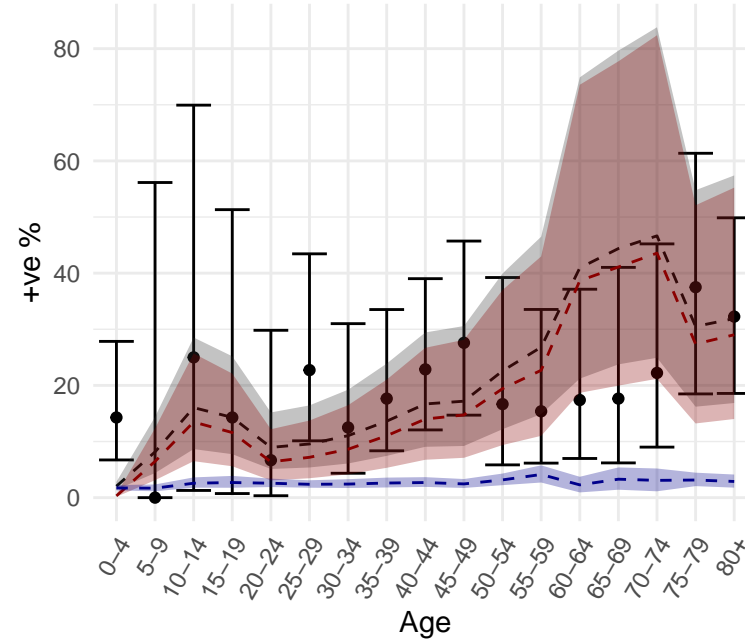
IFR x 1.25, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



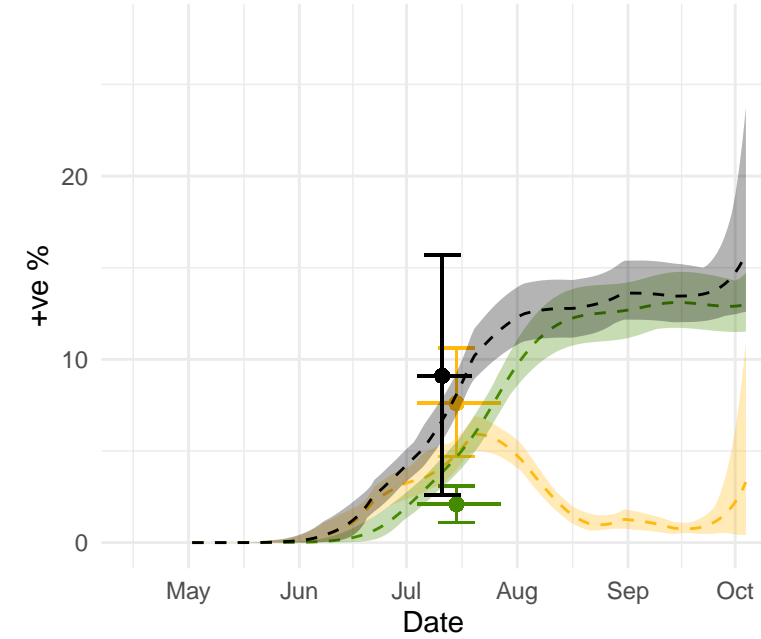
IFR x 1.67, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

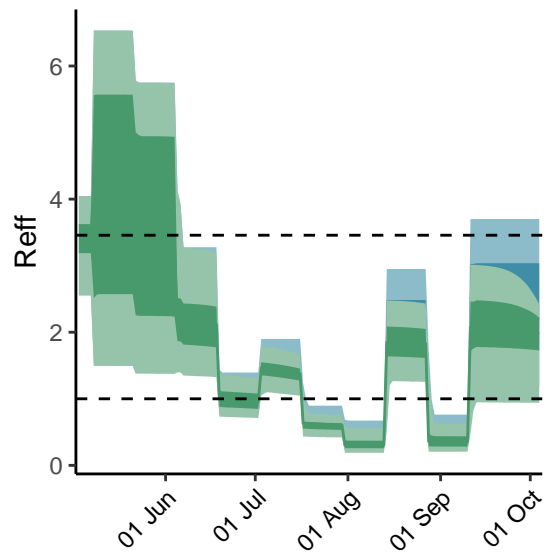


COVID-19 prevalence  
Lusaka/Zambia

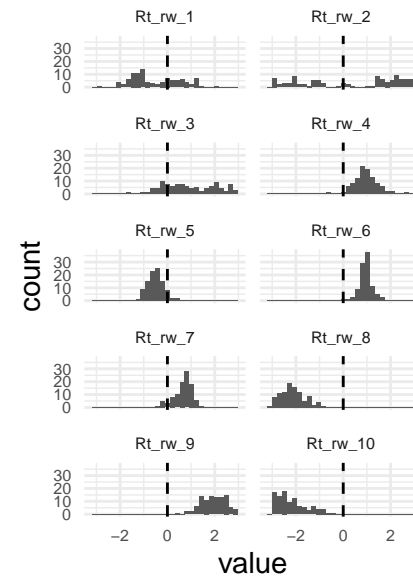


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

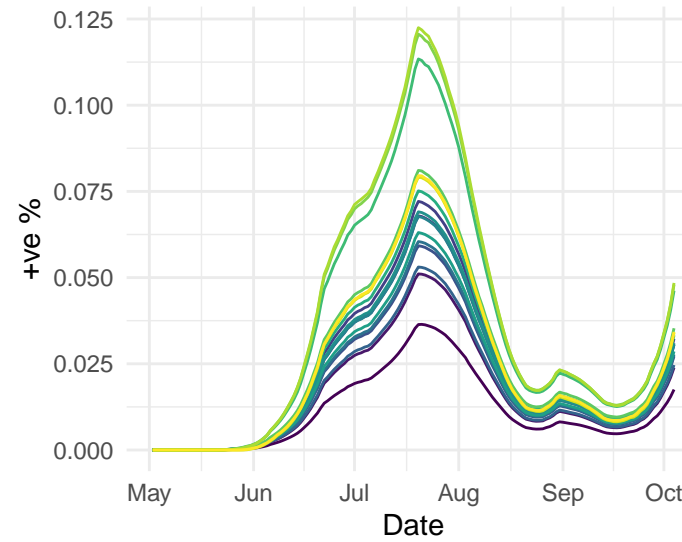
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



Reff  
Rt

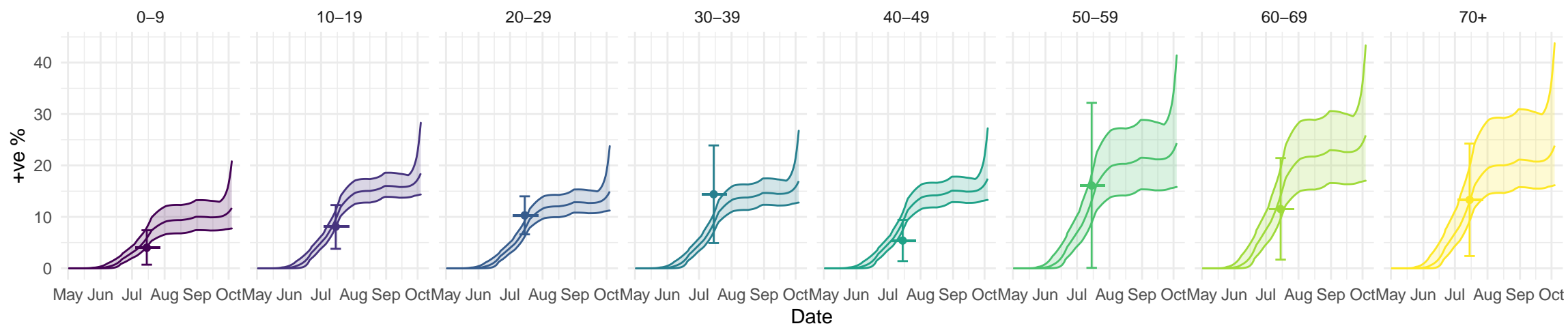


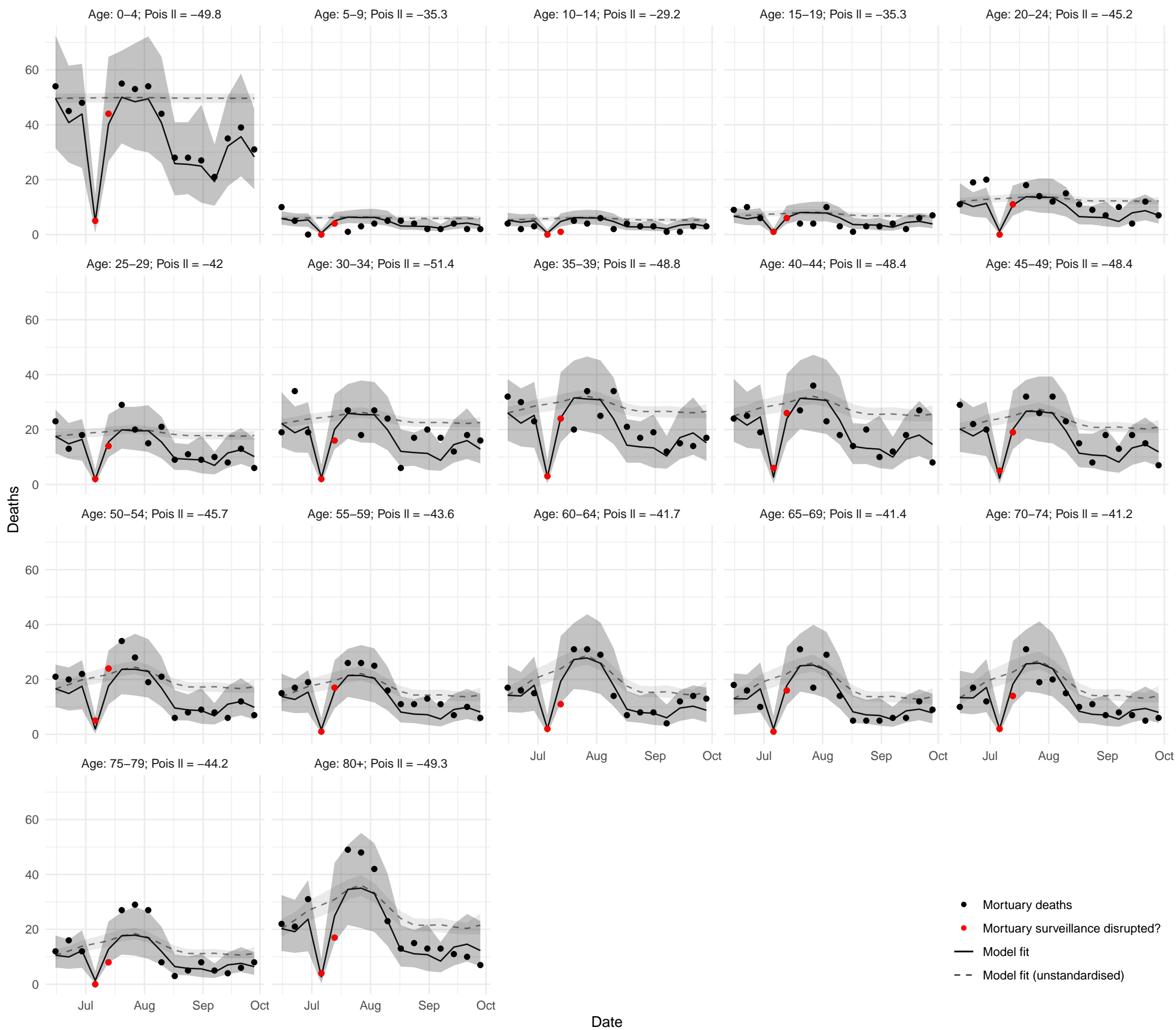
Modelled PCR %



Age: 0-4  
Age: 5-9  
Age: 10-14  
Age: 15-19  
Age: 20-24  
Age: 25-29  
Age: 30-34  
Age: 35-39  
Age: 40-44  
Age: 45-49  
Age: 50-54  
Age: 55-59  
Age: 60-64  
Age: 65-69  
Age: 70-74  
Age: 75-79  
Age: 80+

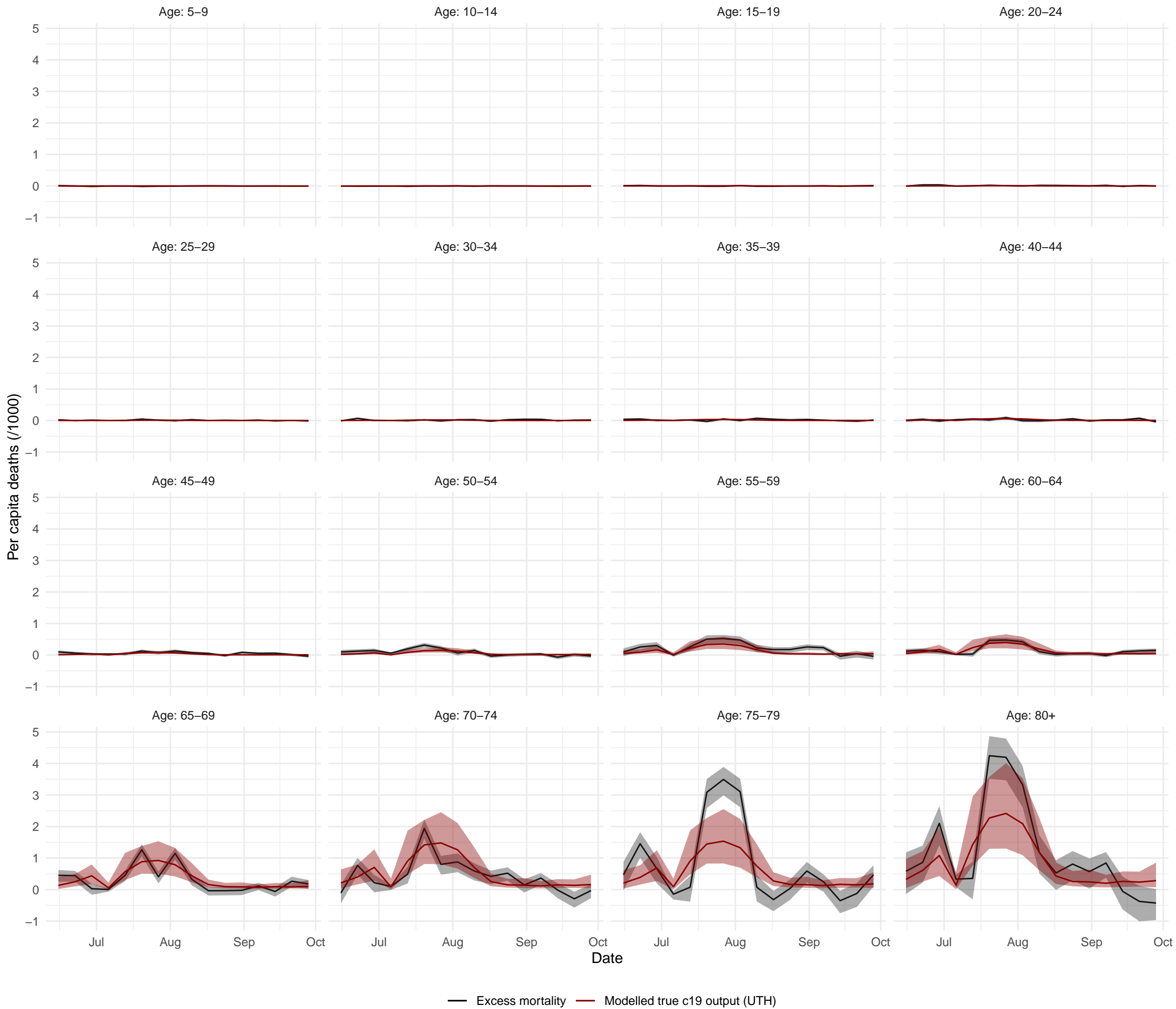
Modelled combined prevalence, Lusaka/Zambia



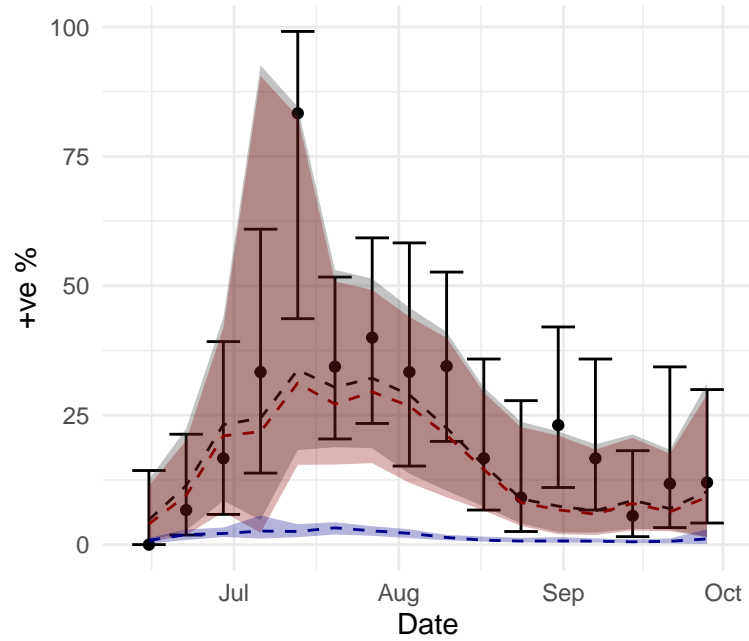




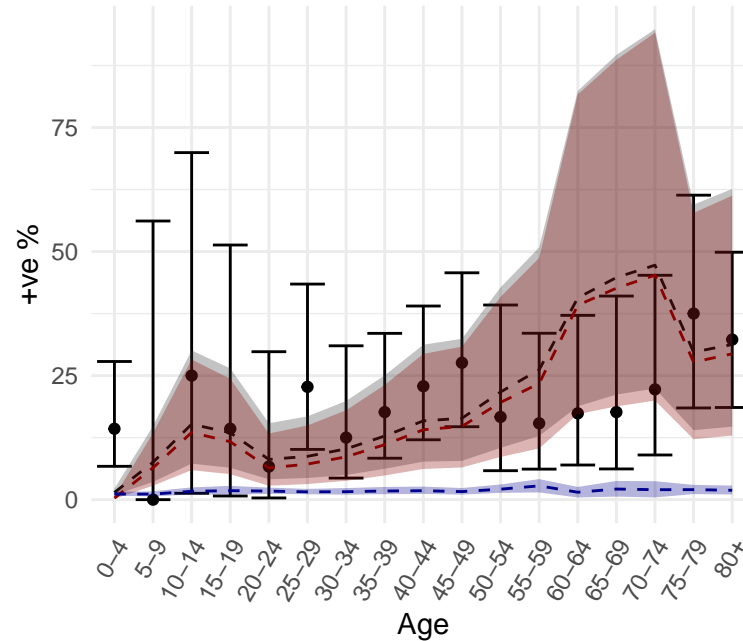
IFR x 1.67, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



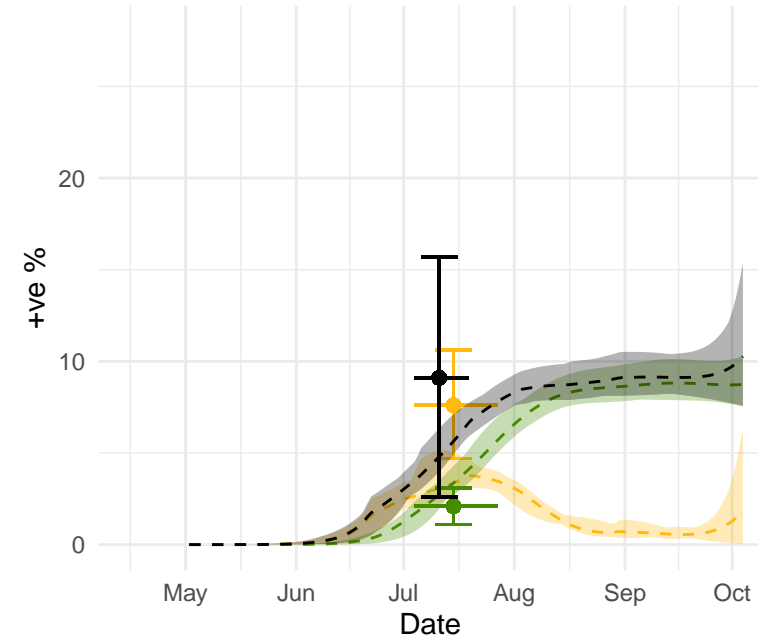
IFR x 2.5, Slope x 1  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

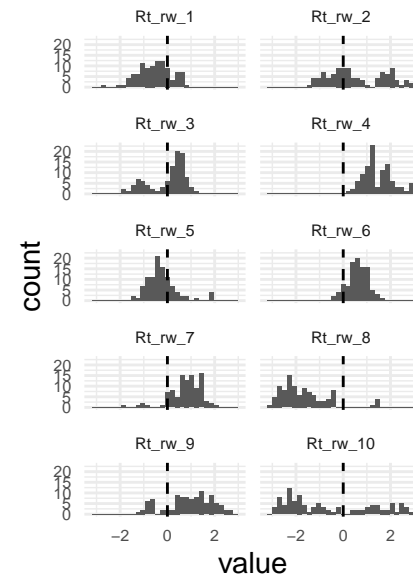
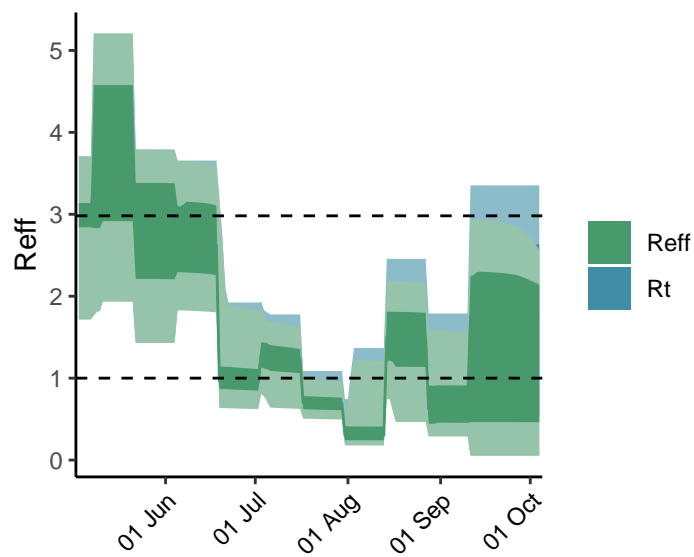


COVID-19 prevalence  
Lusaka/Zambia

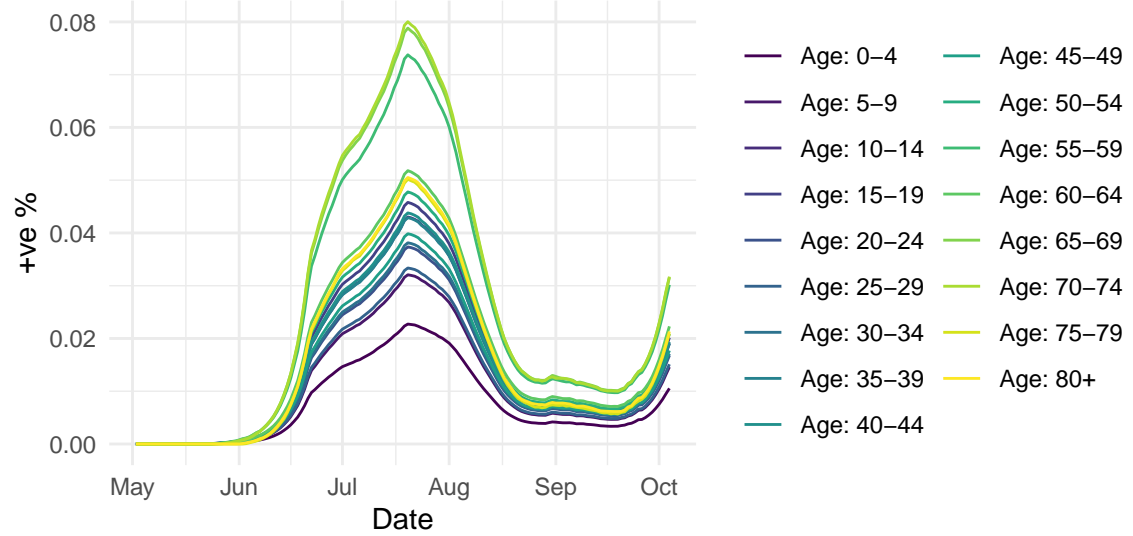


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

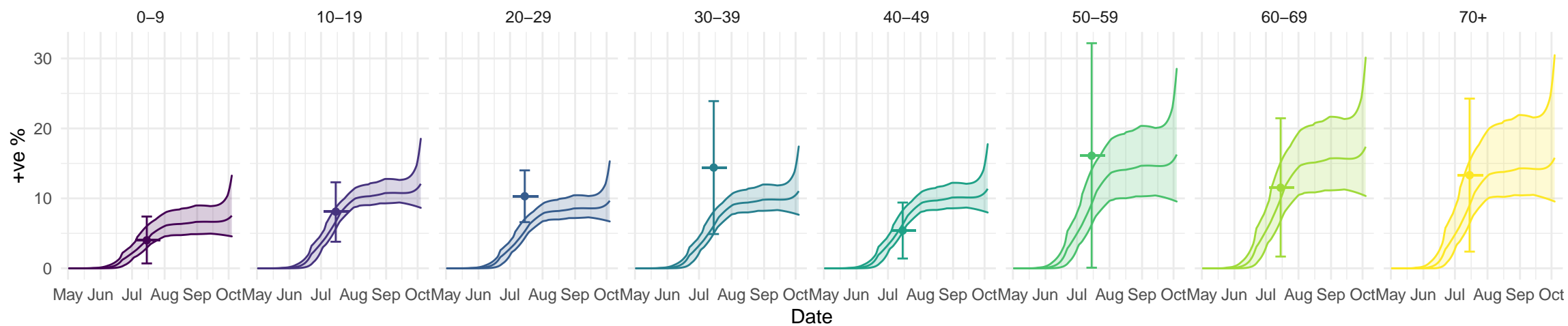
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

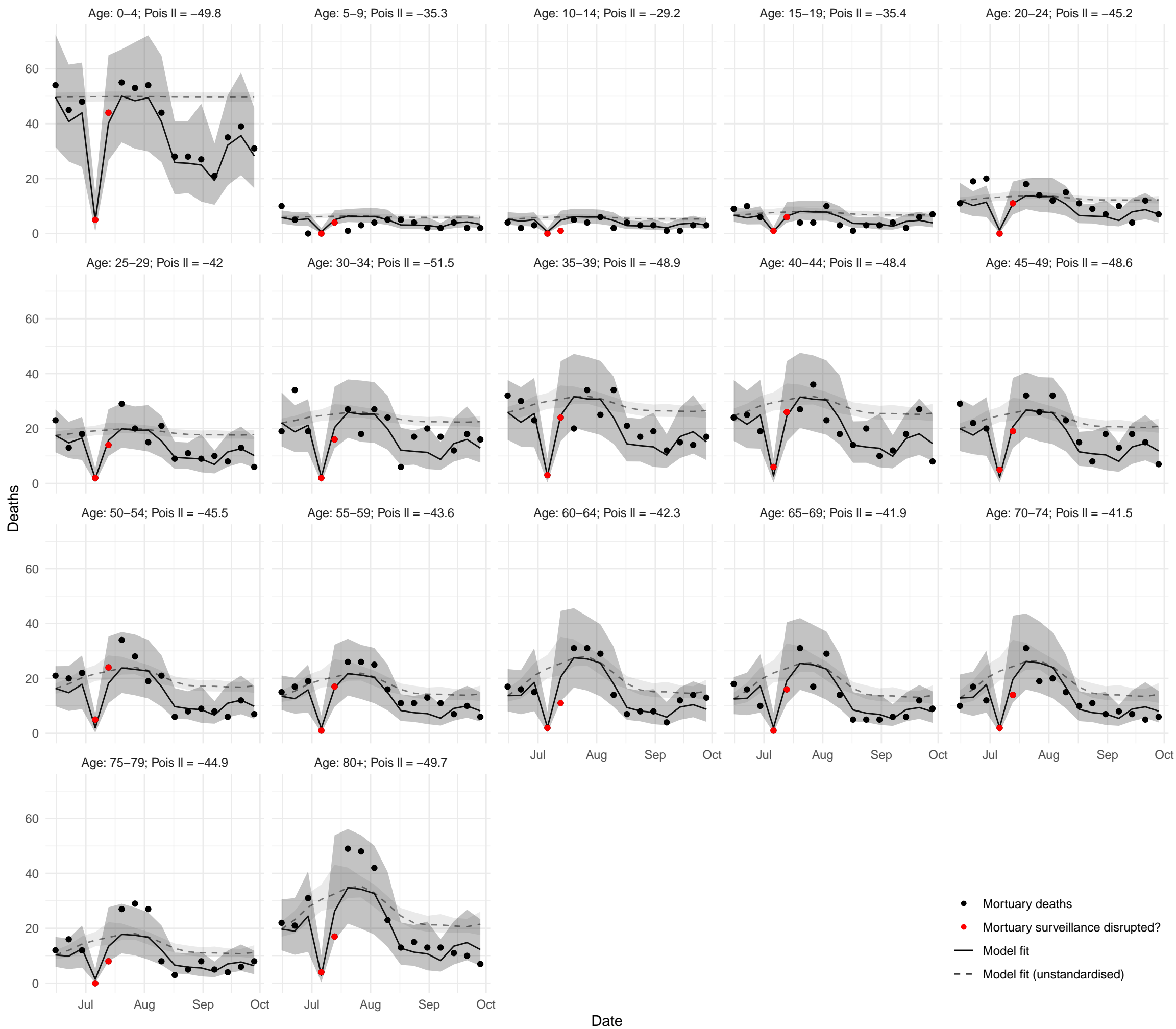


Modelled PCR %

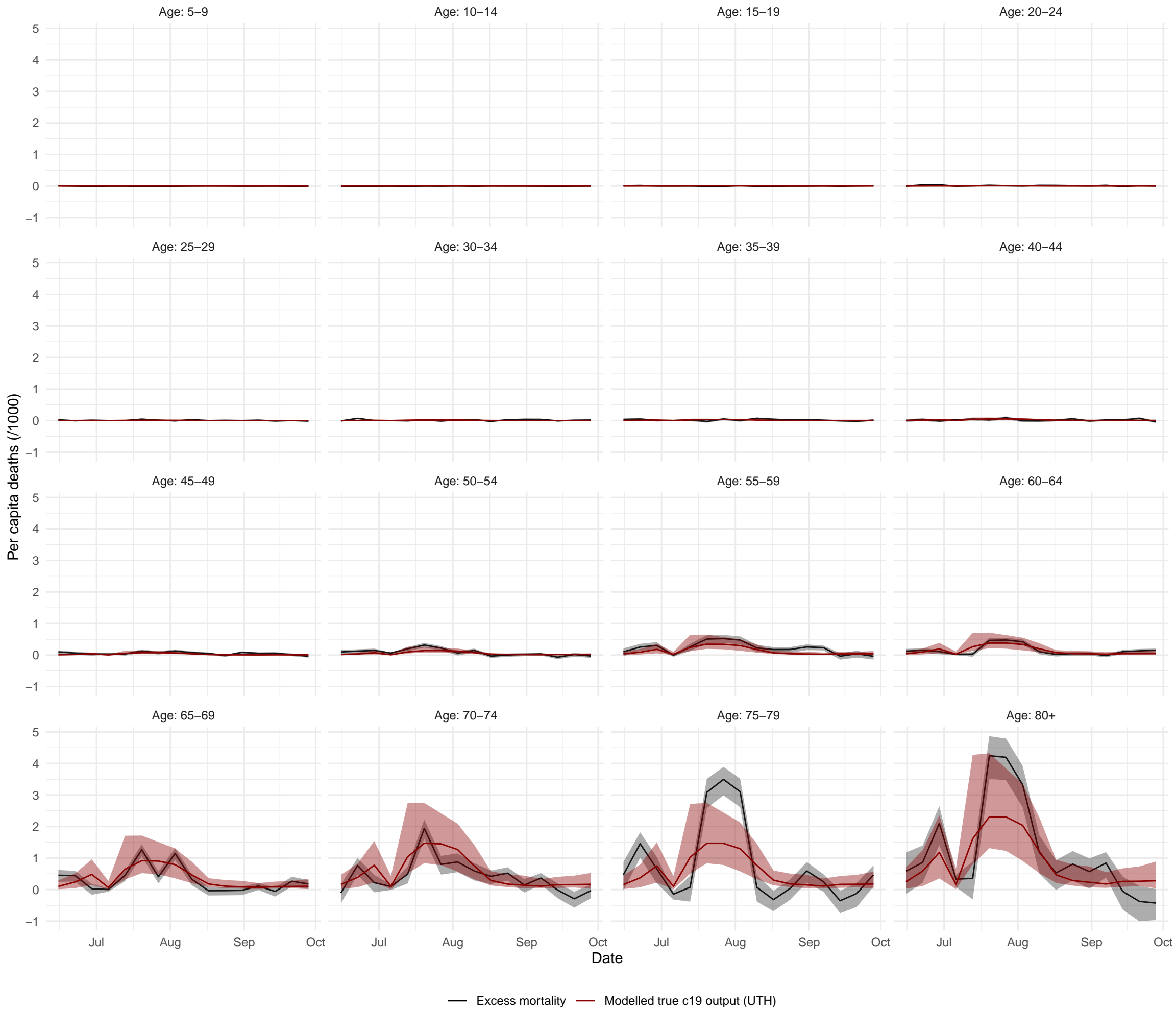


Modelled combined prevalence, Lusaka/Zambia

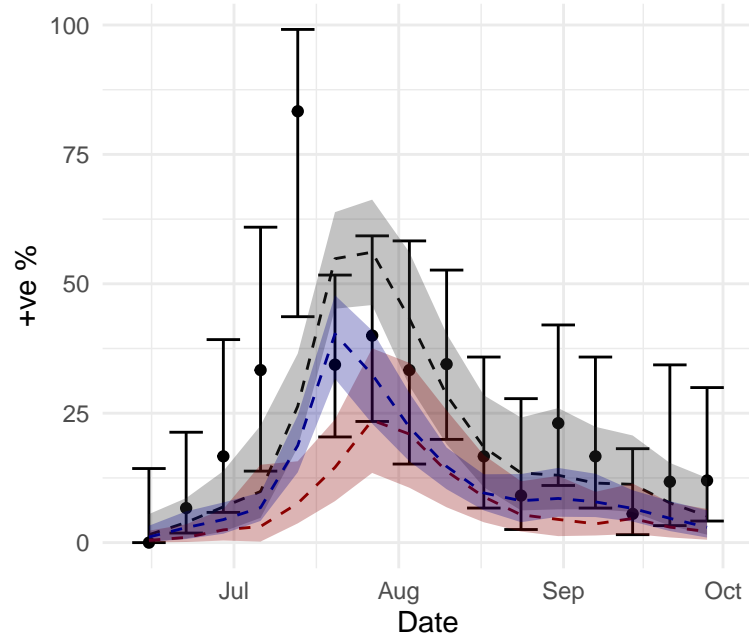




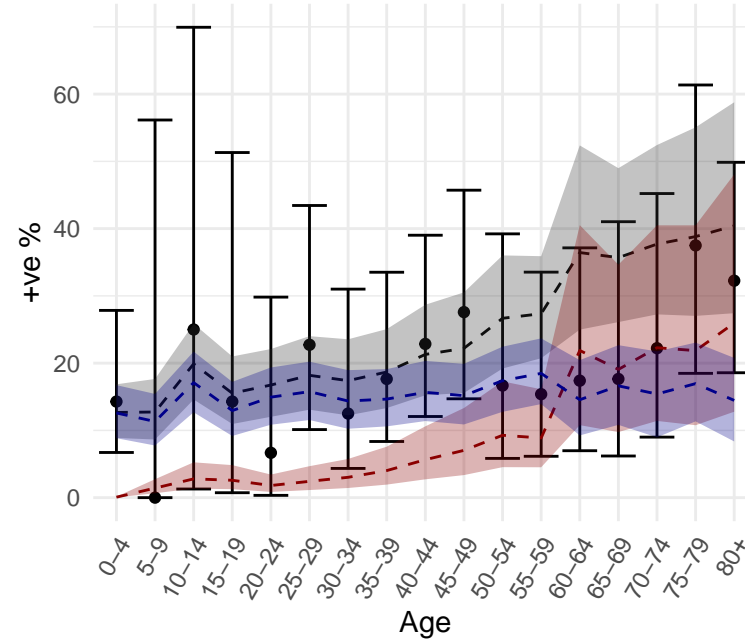
IFR x 2.5, Slope x 1  
COVID-19 excess mortality: Comparison of MCMC results with squire results



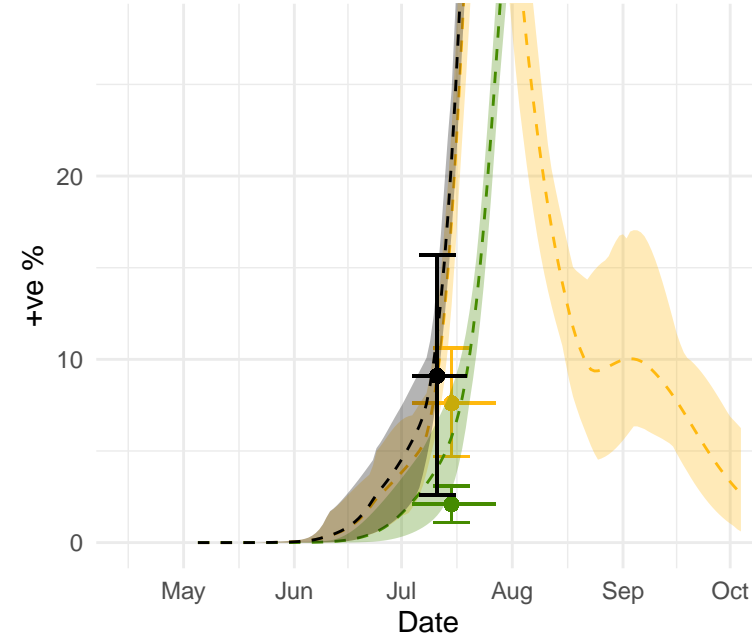
IFR x 0.2, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

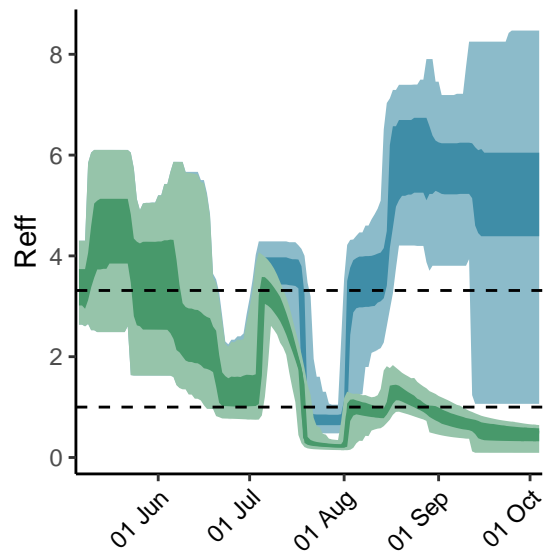


COVID-19 prevalence  
Lusaka/Zambia

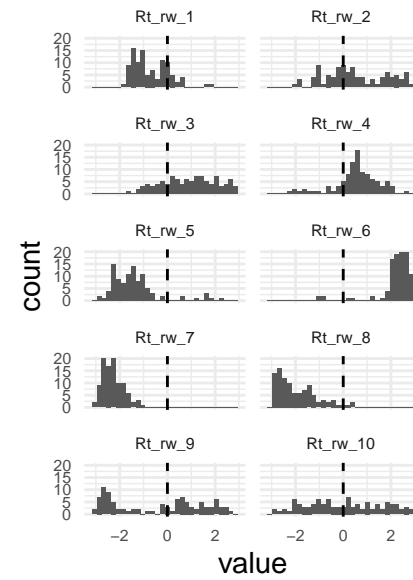


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

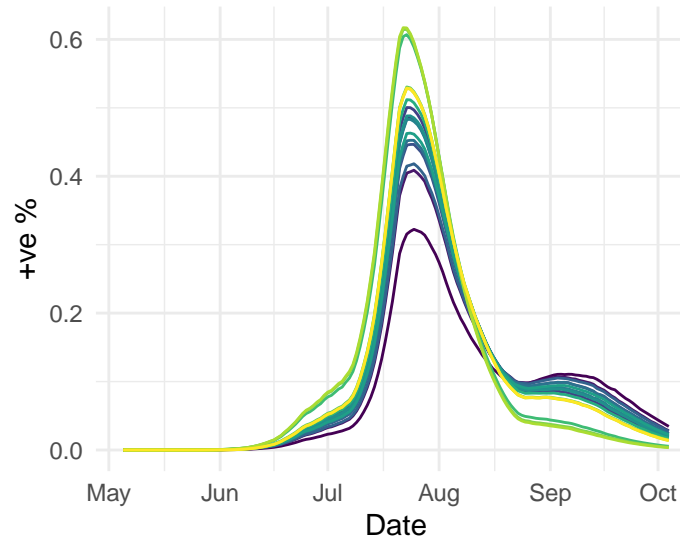
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



Reff  
Rt

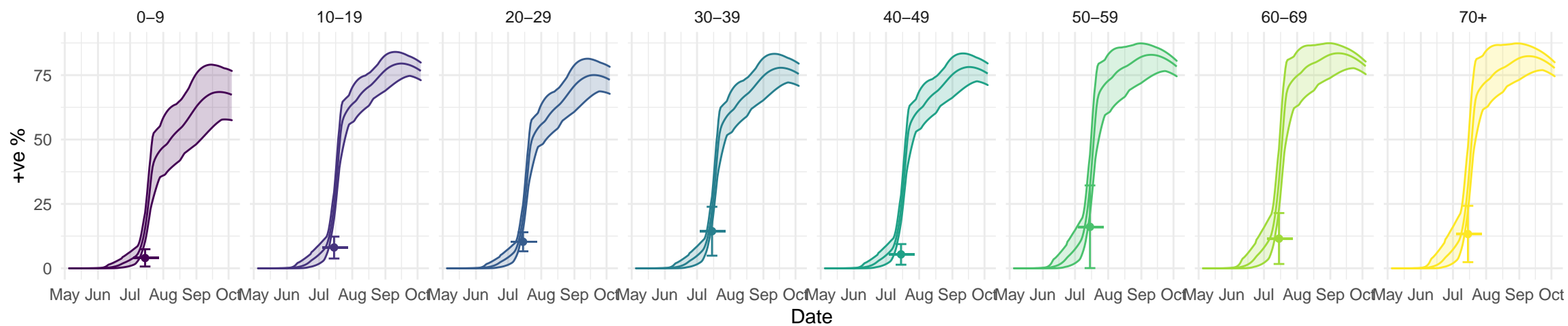


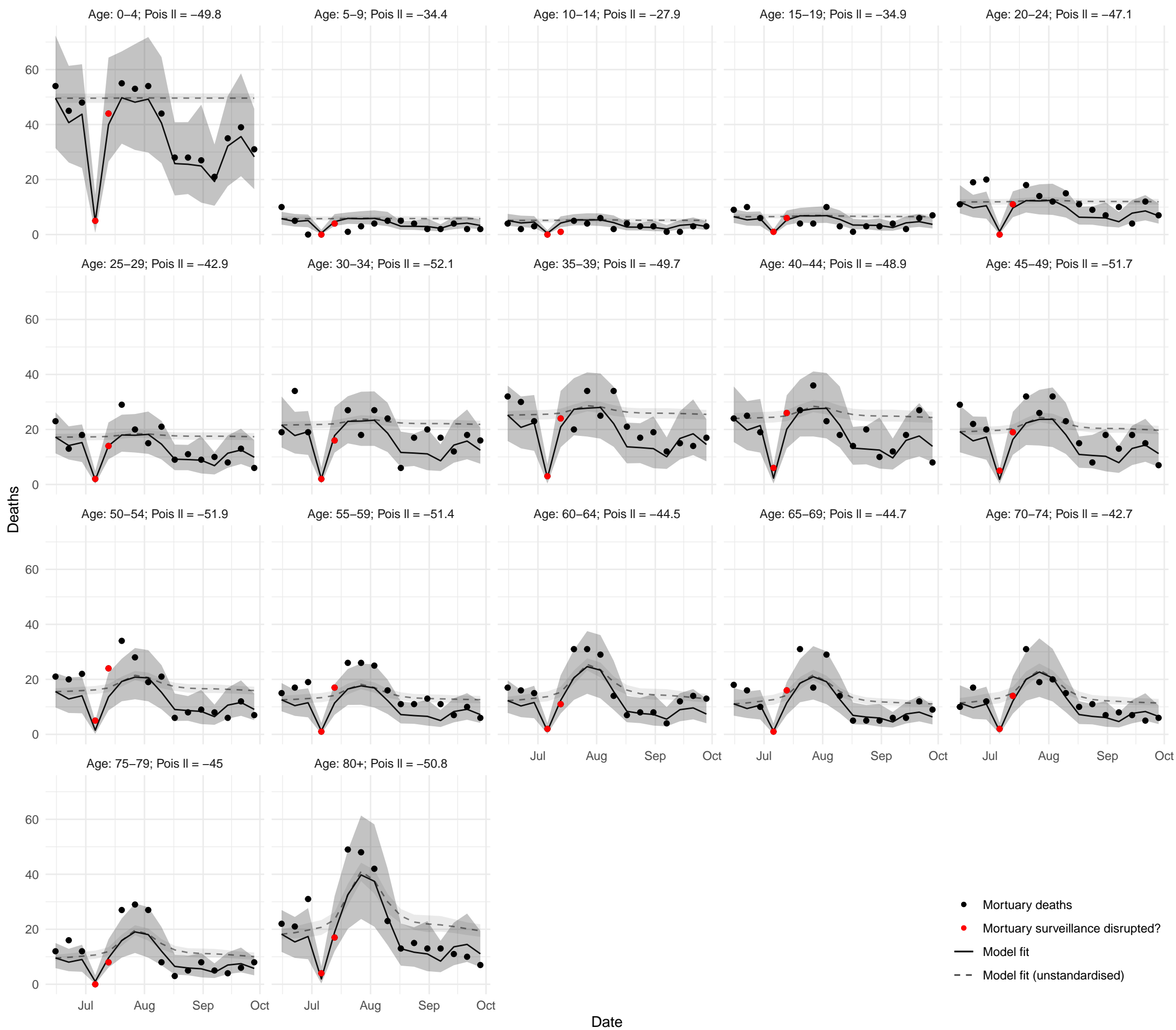
Modelled PCR %



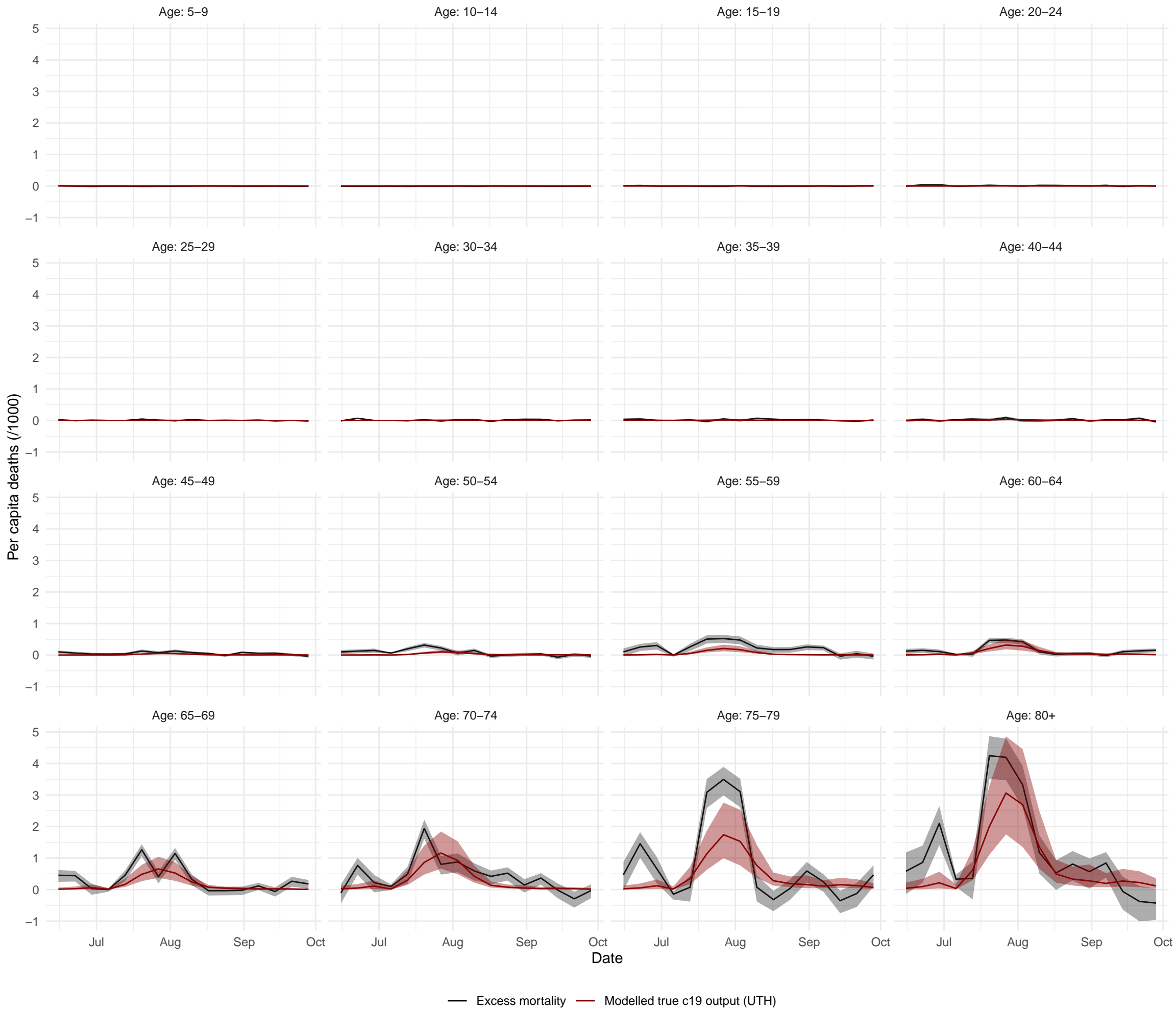
Age: 0-4  
Age: 5-9  
Age: 10-14  
Age: 15-19  
Age: 20-24  
Age: 25-29  
Age: 30-34  
Age: 35-39  
Age: 40-44  
Age: 45-49  
Age: 50-54  
Age: 55-59  
Age: 60-64  
Age: 65-69  
Age: 70-74  
Age: 75-79  
Age: 80+

Modelled combined prevalence, Lusaka/Zambia

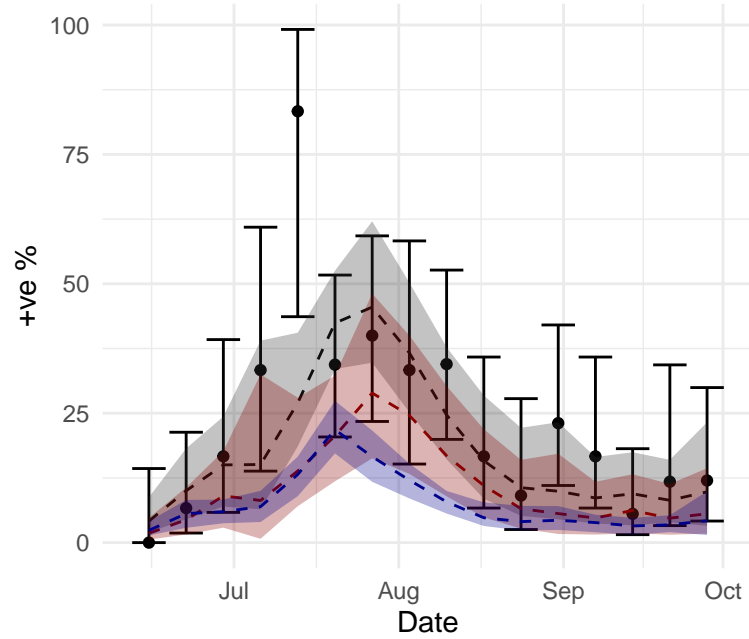




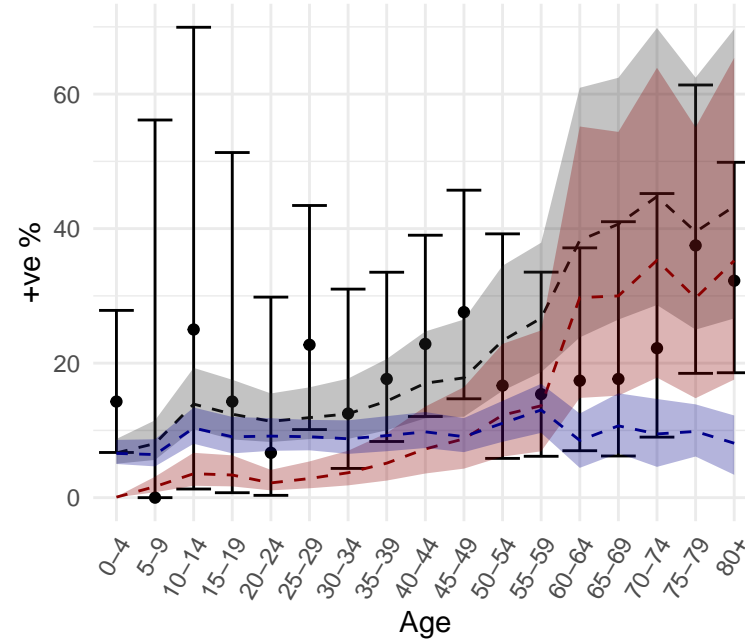
IFR x 0.2, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with squire results



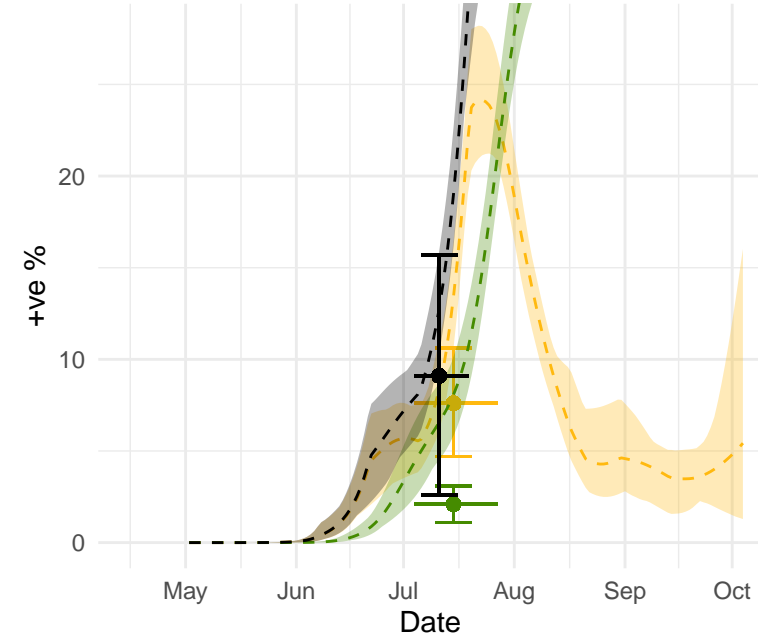
IFR x 0.4, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

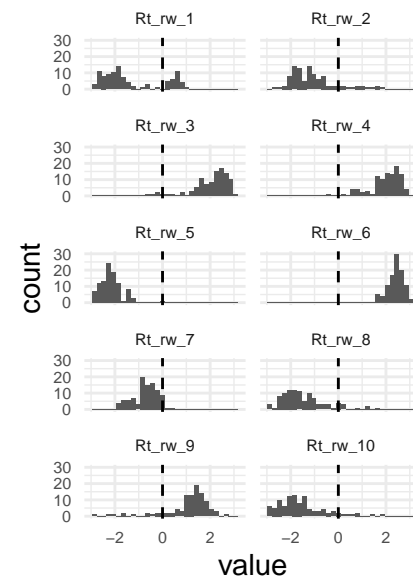
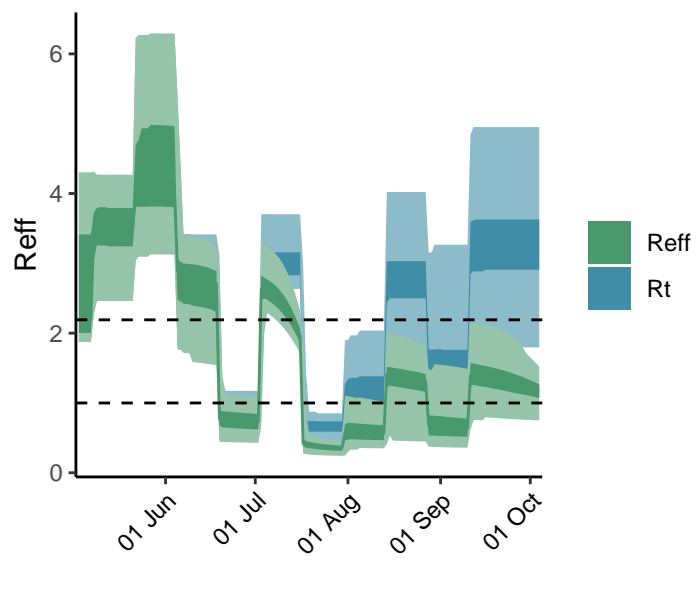


COVID-19 prevalence  
Lusaka/Zambia

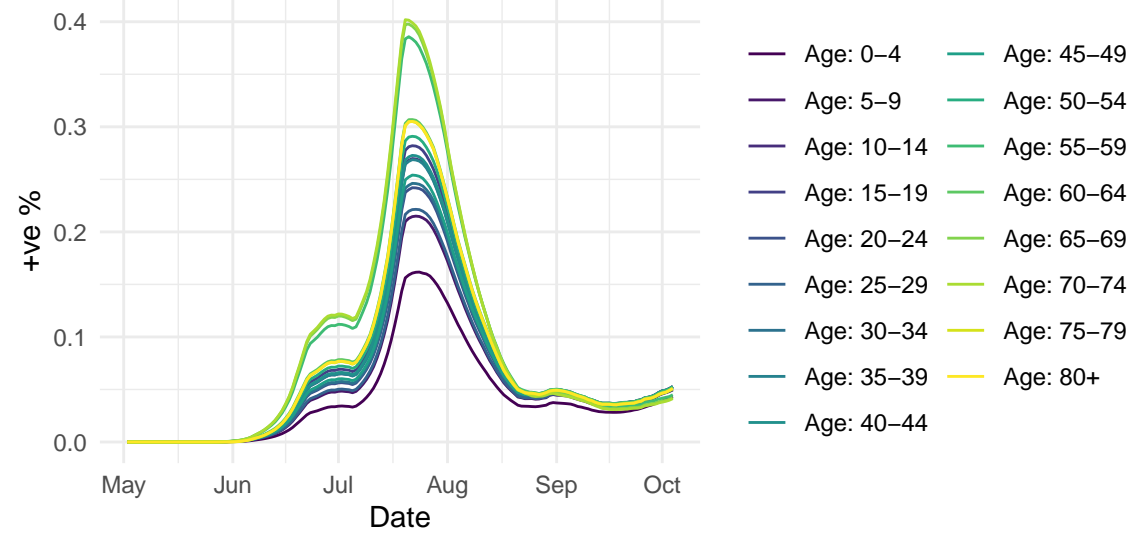


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

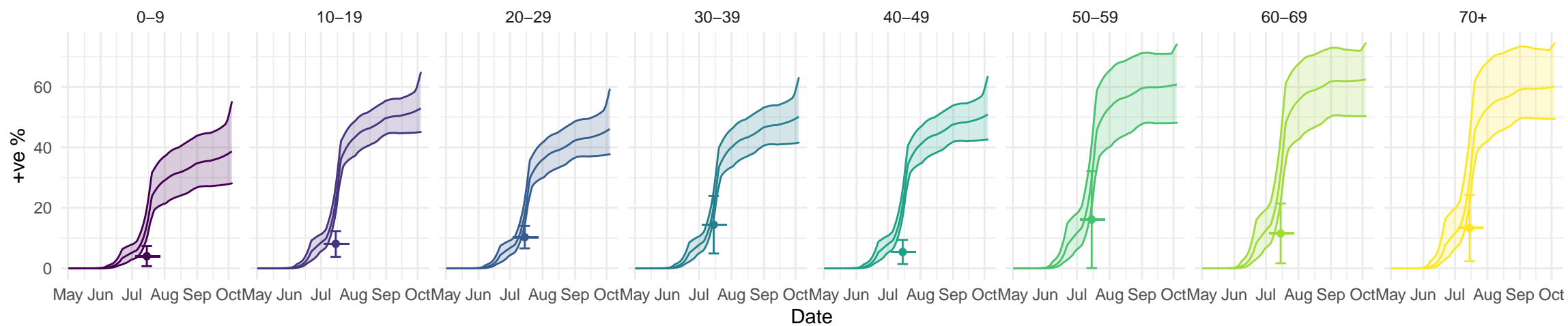
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)



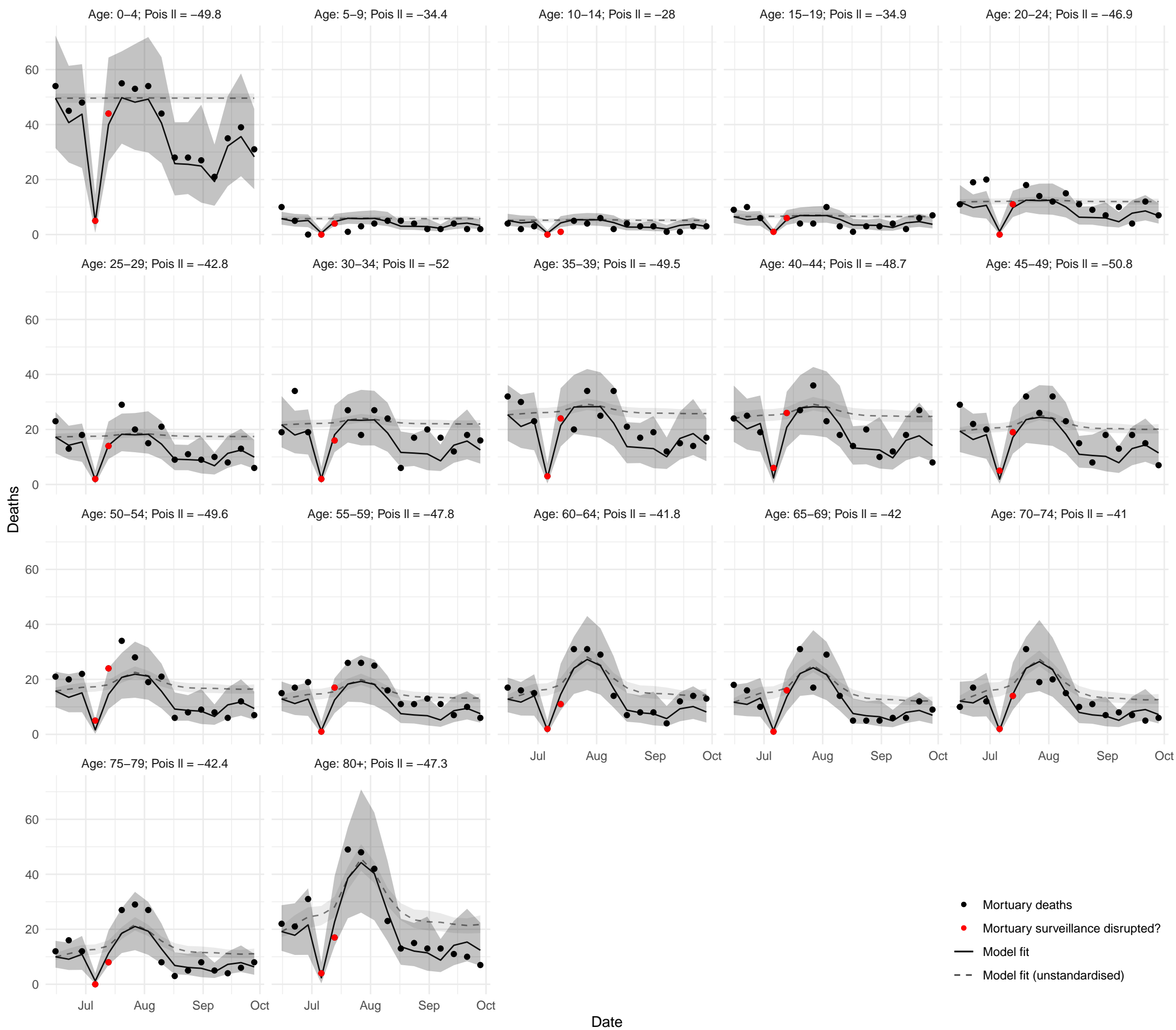
Modelled PCR %



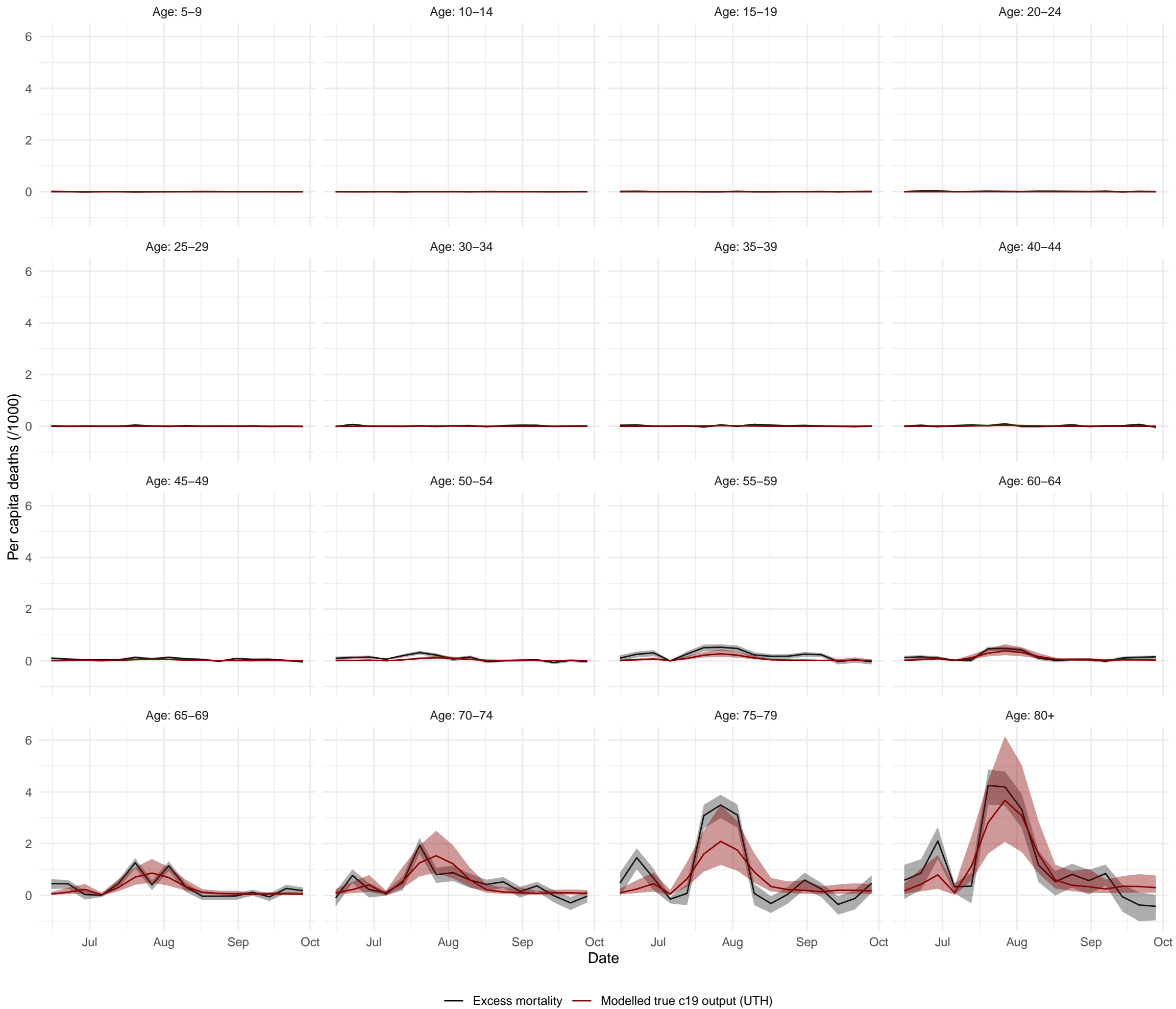
Modelled combined prevalence, Lusaka/Zambia



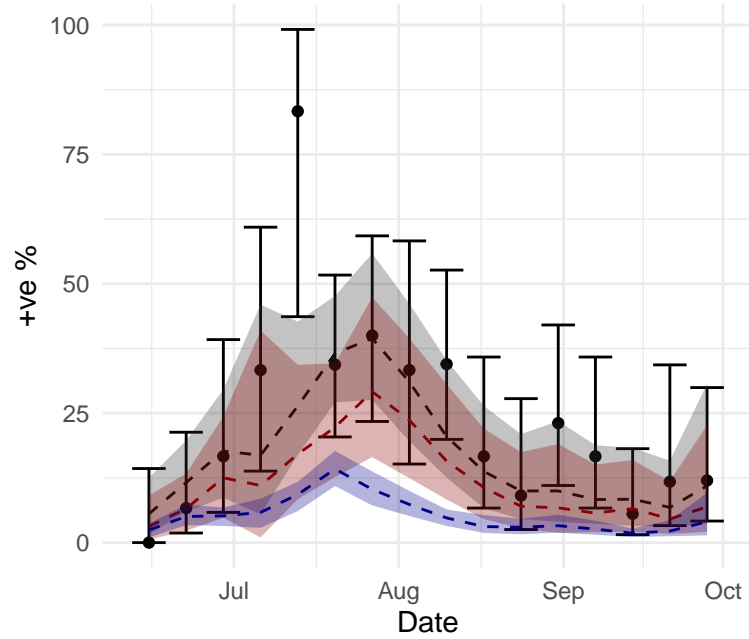




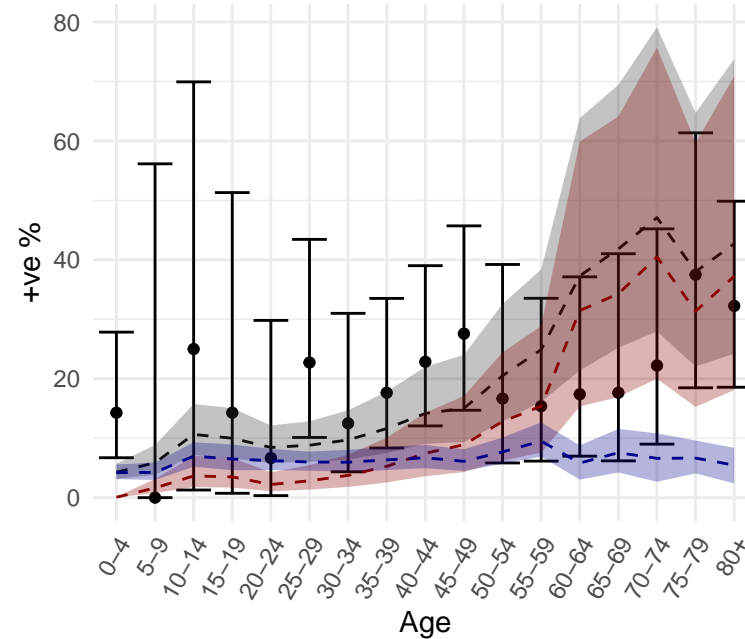
IFR x 0.4, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with squire results



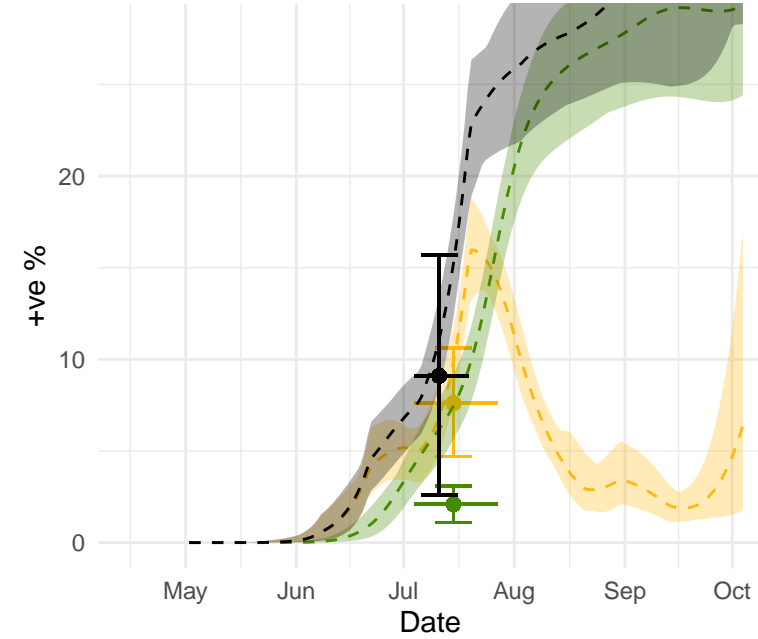
IFR x 0.6, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

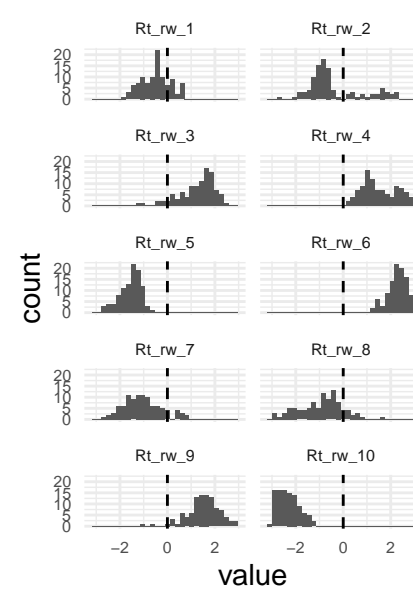
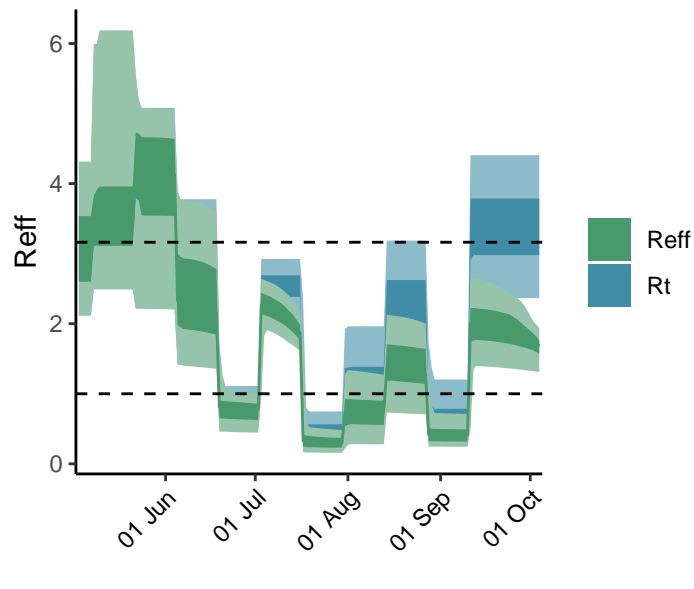


COVID-19 prevalence  
Lusaka/Zambia

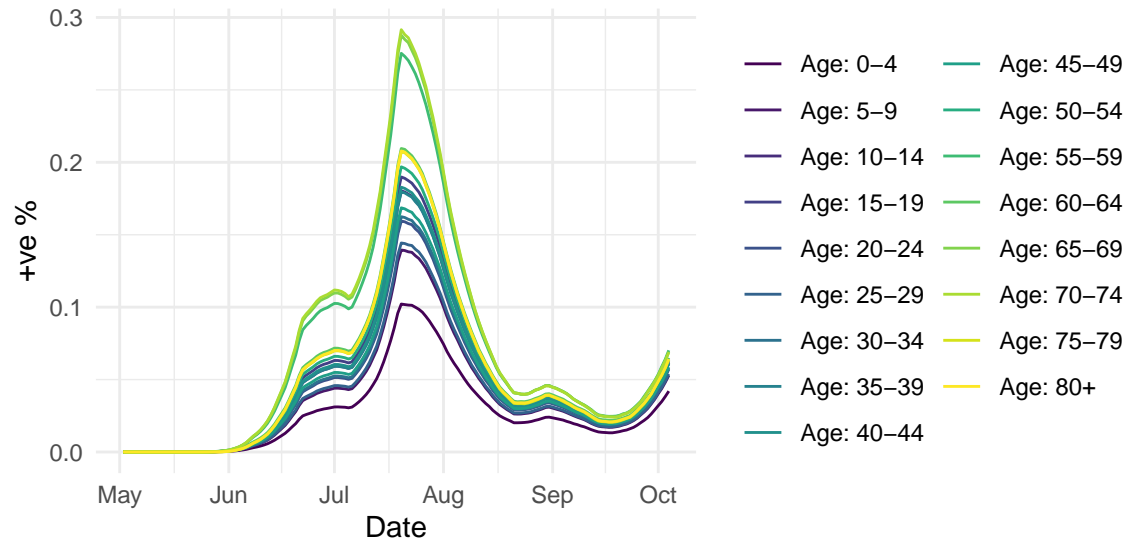


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

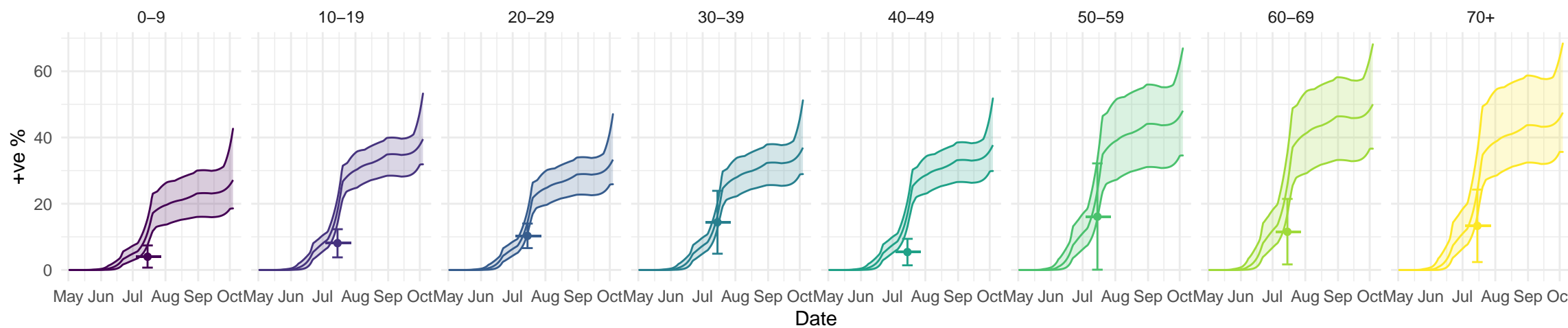
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

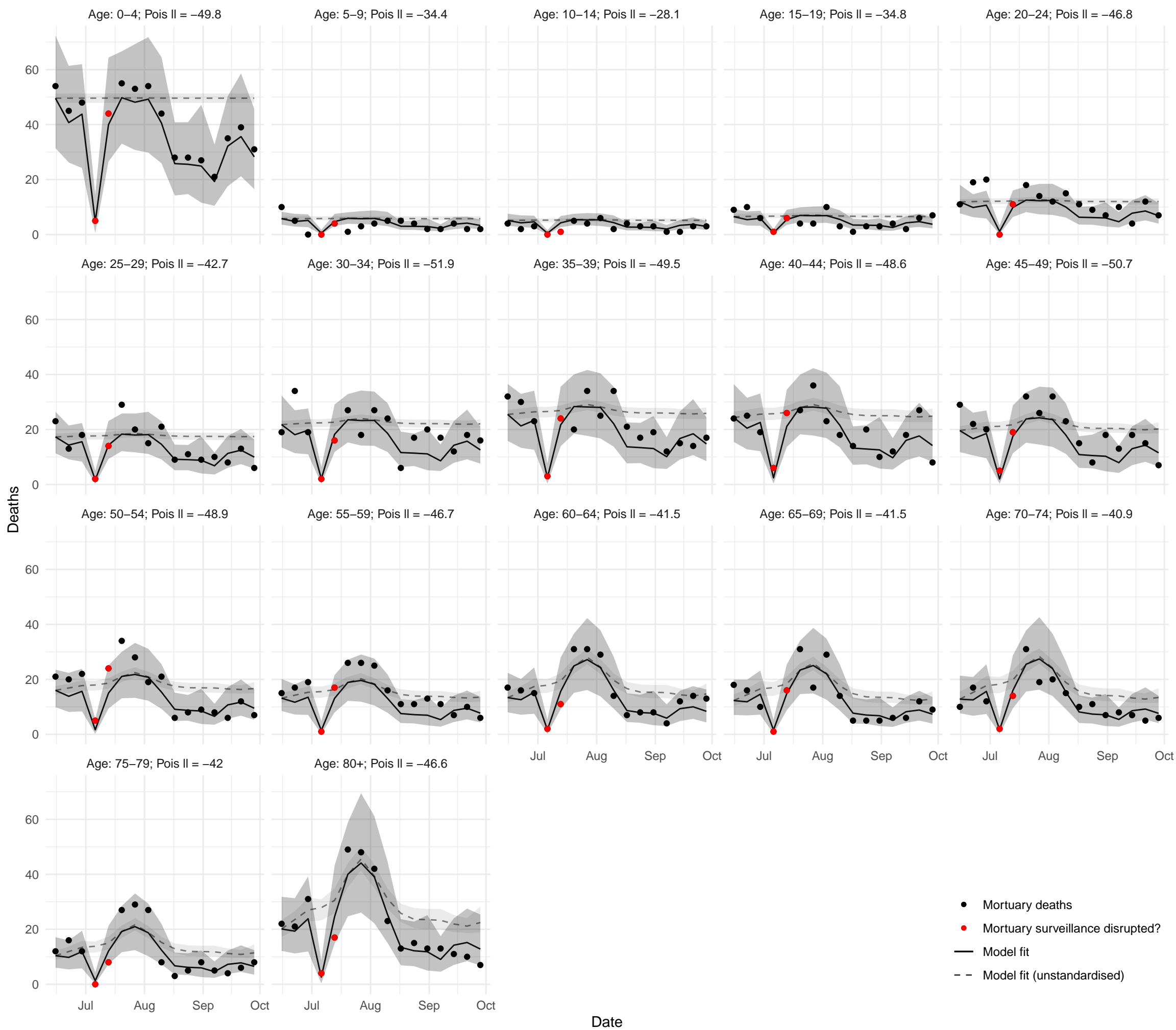


Modelled PCR %

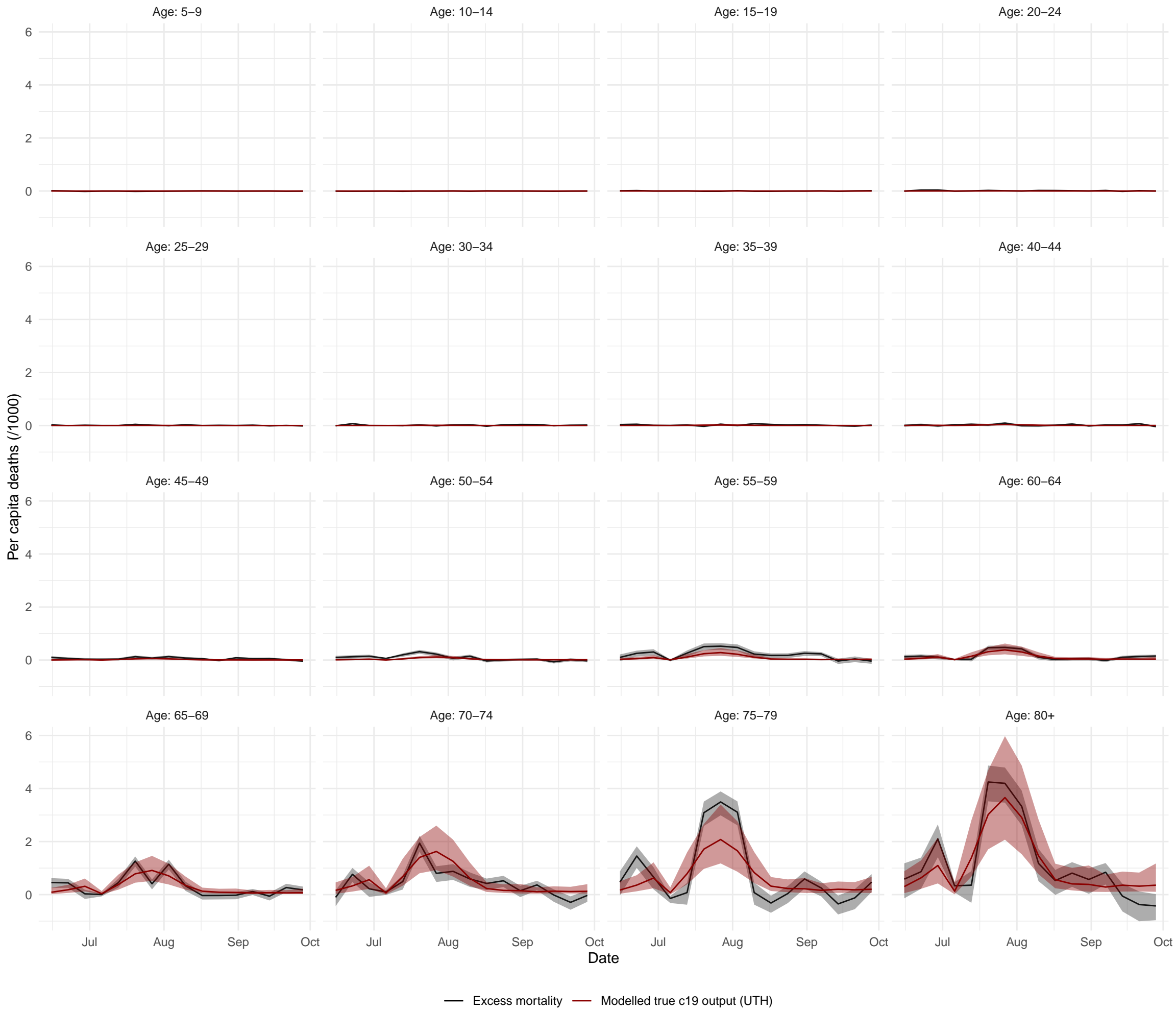


Modelled combined prevalence, Lusaka/Zambia

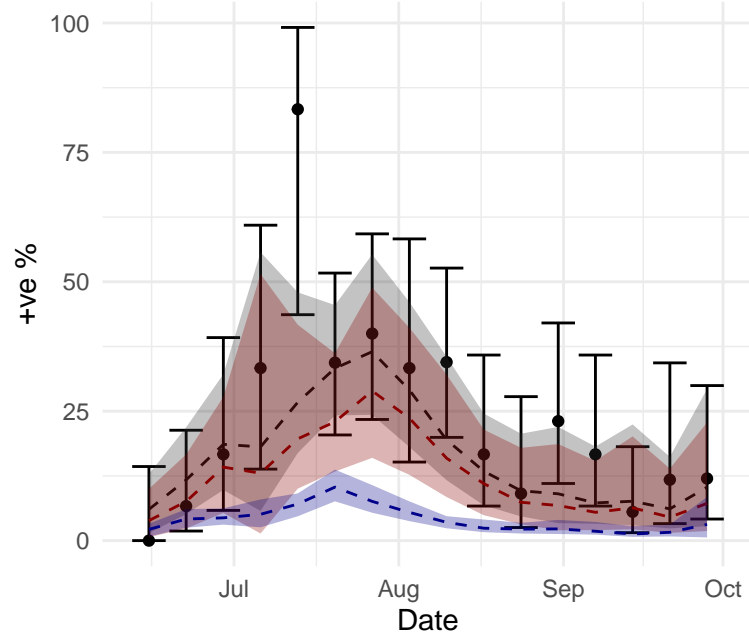




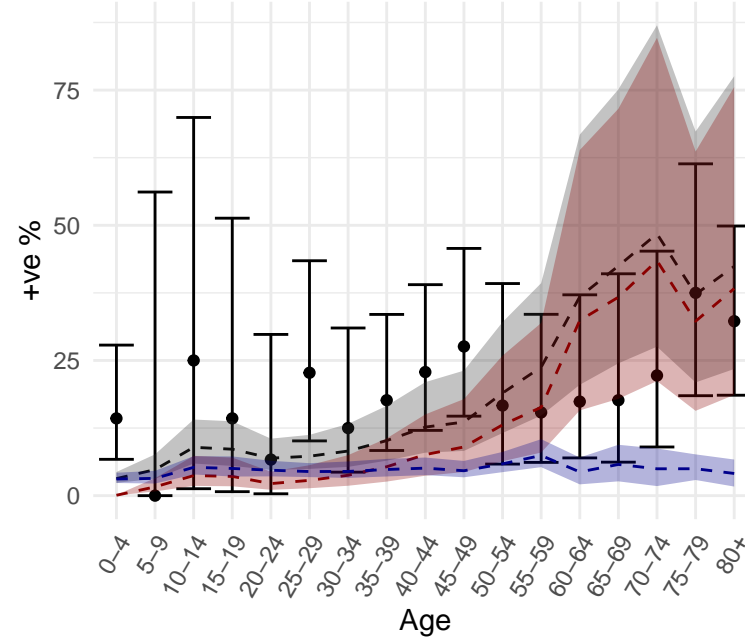
IFR x 0.6, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with sqire results



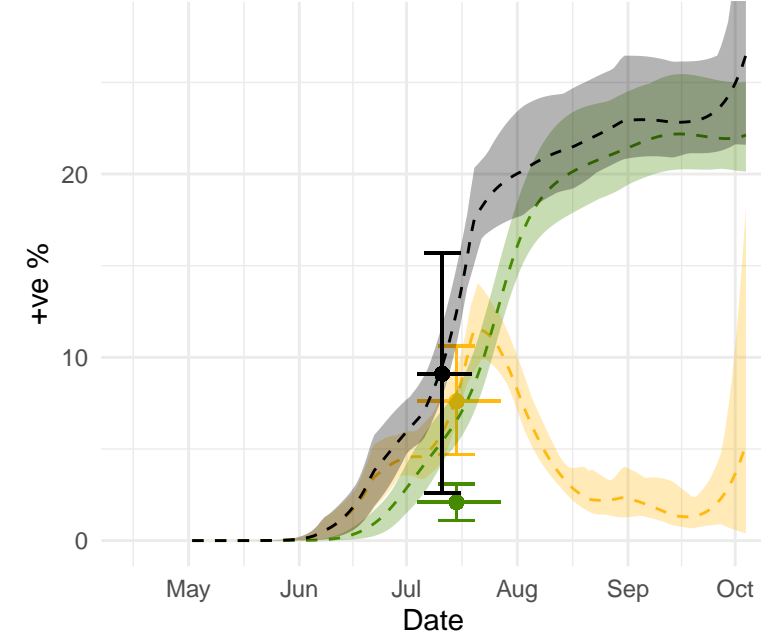
IFR x 0.8, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

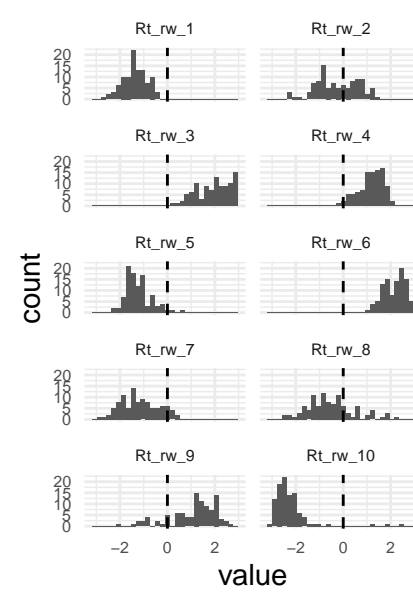
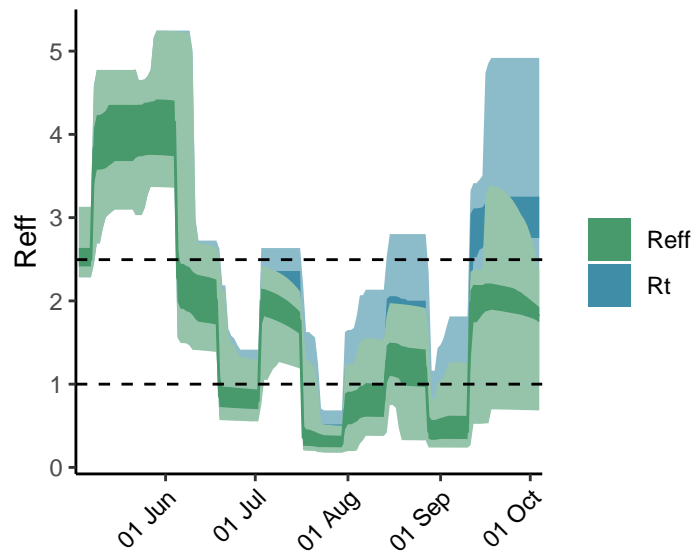


COVID-19 prevalence  
Lusaka/Zambia

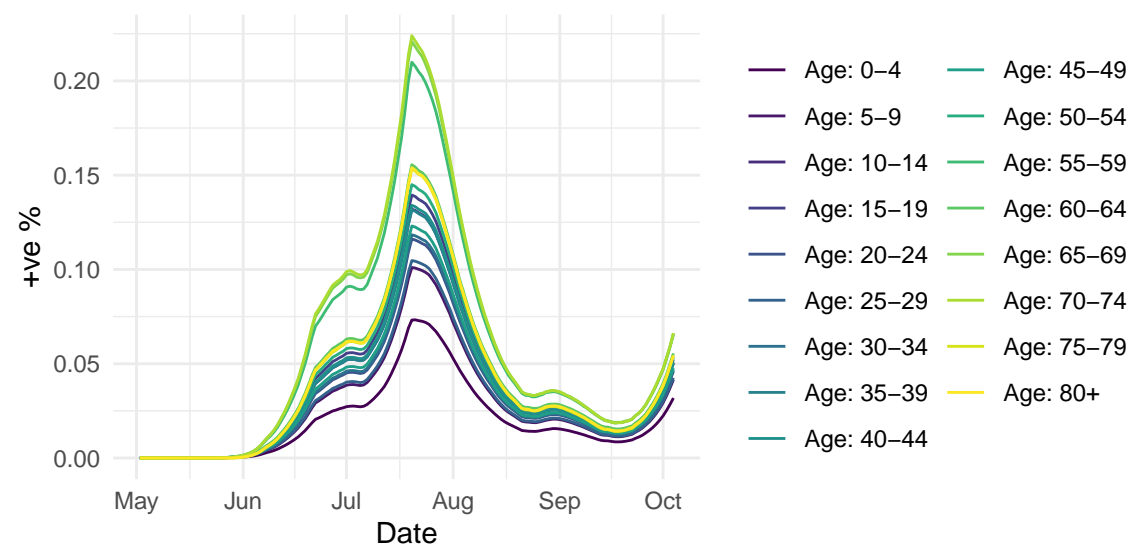


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

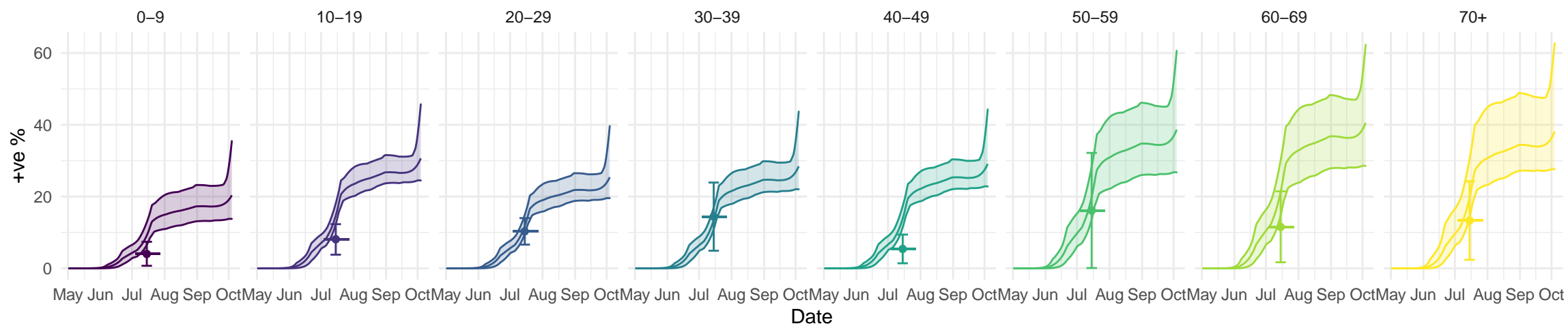
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

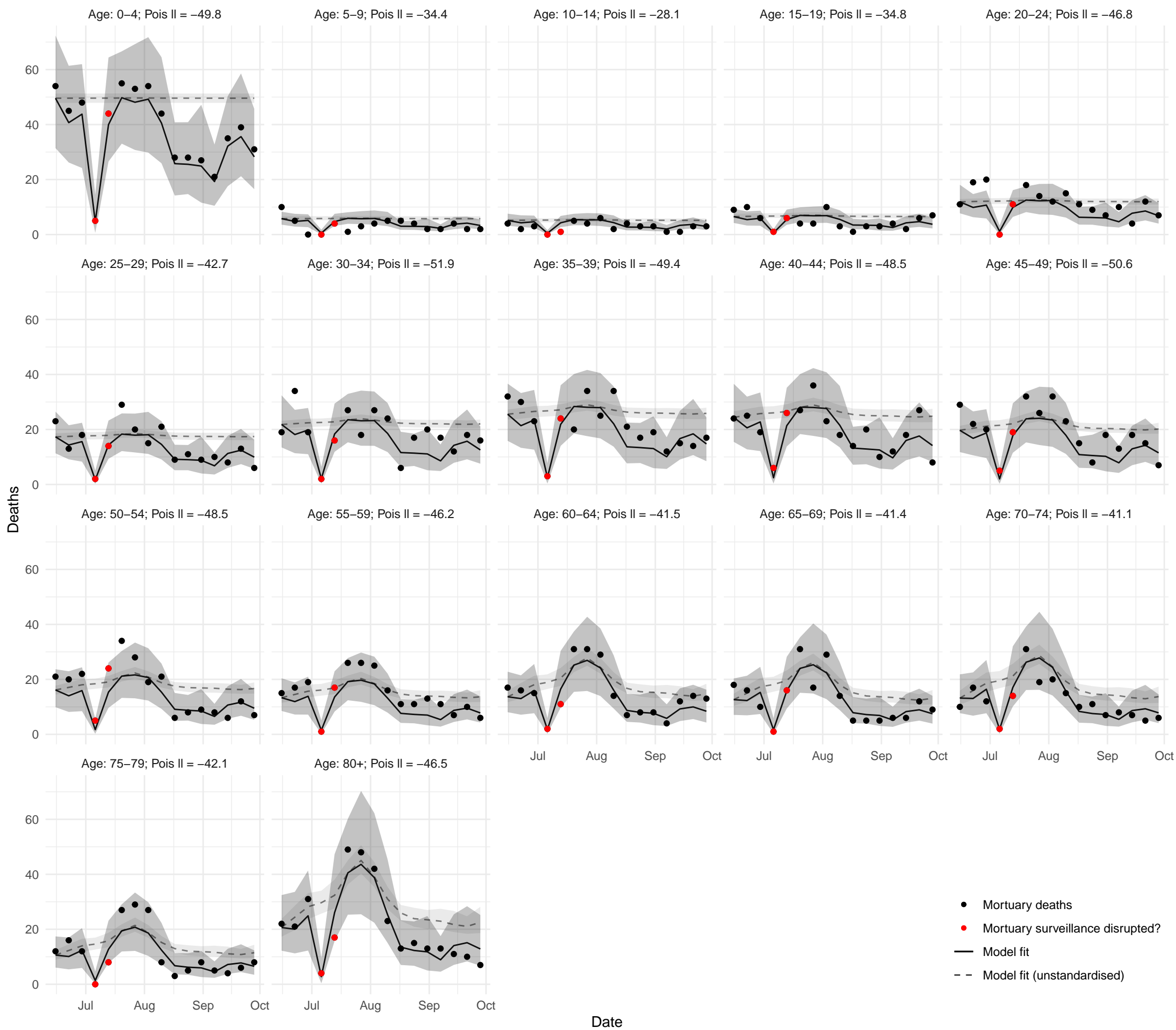


Modelled PCR %

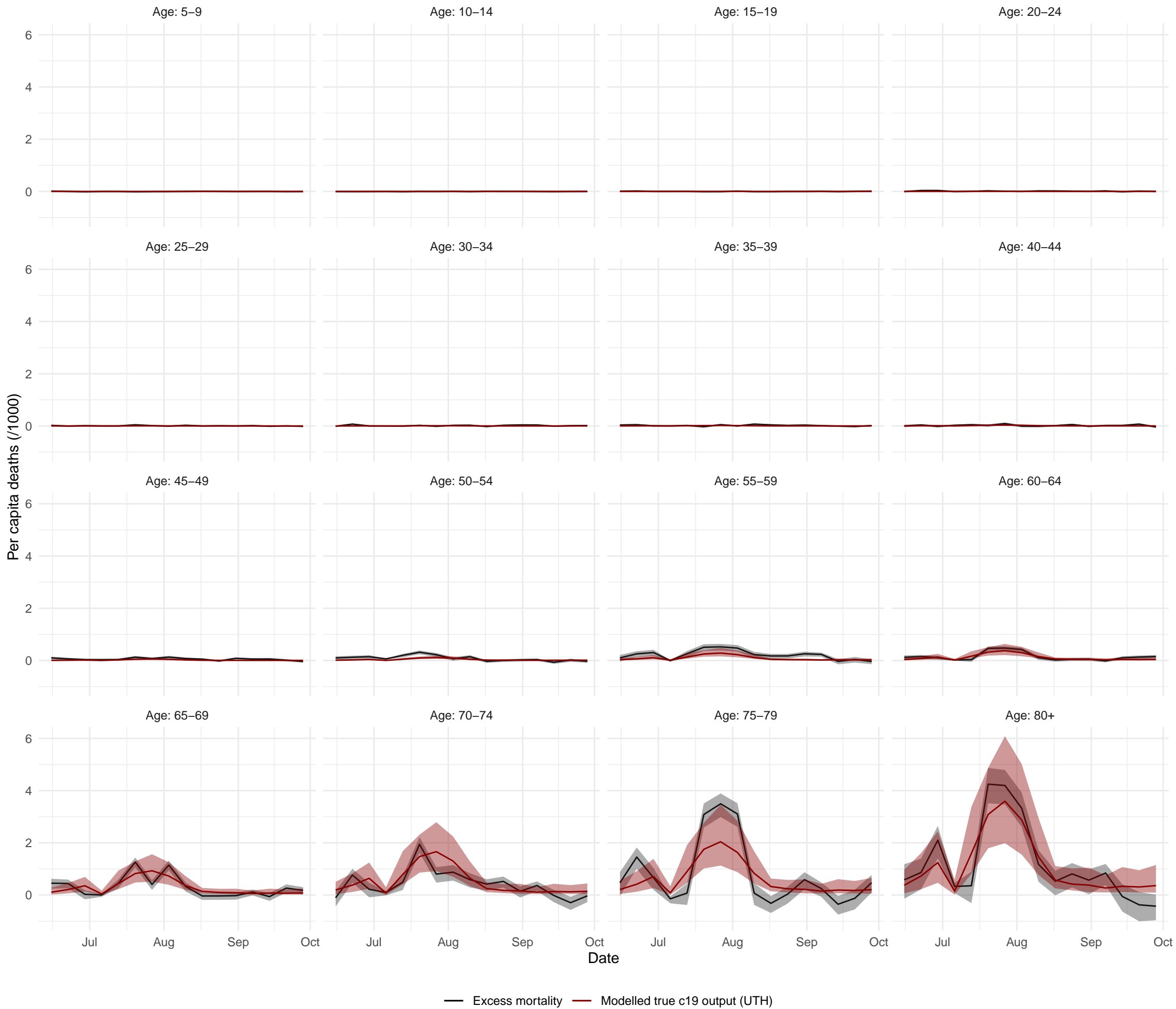


Modelled combined prevalence, Lusaka/Zambia



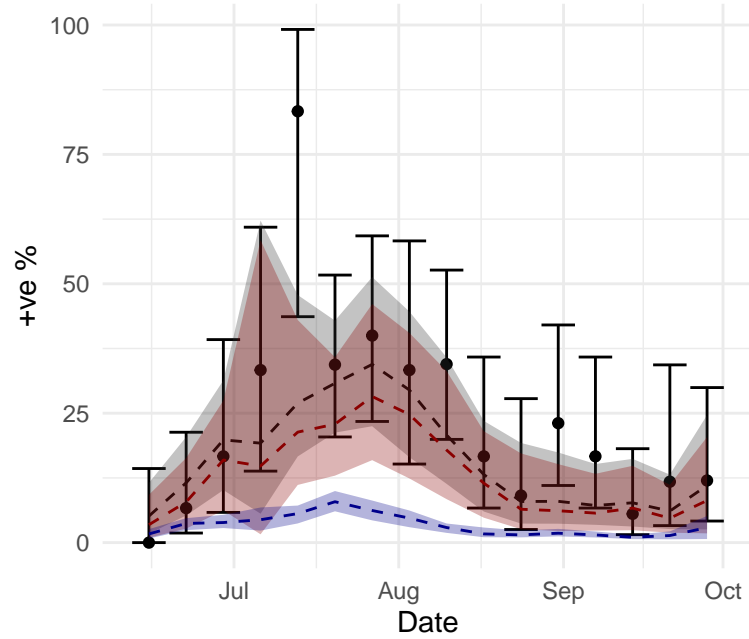


IFR x 0.8, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with squire results

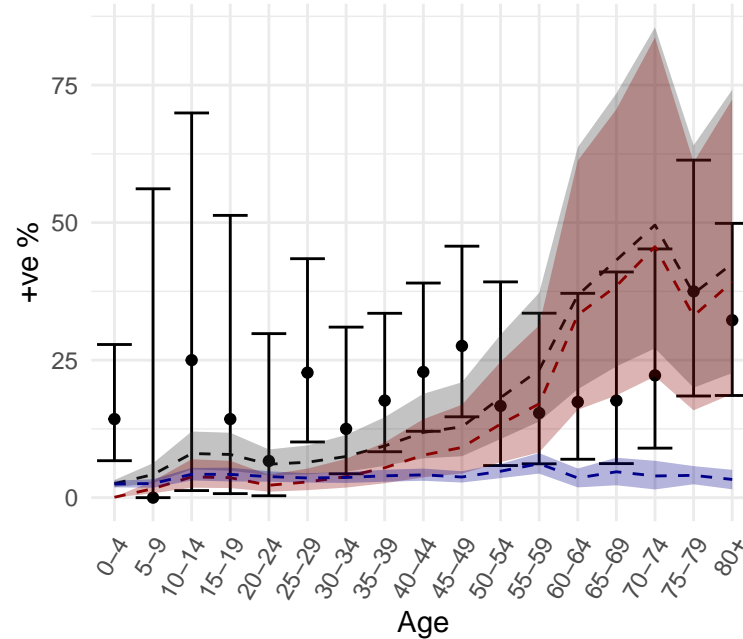




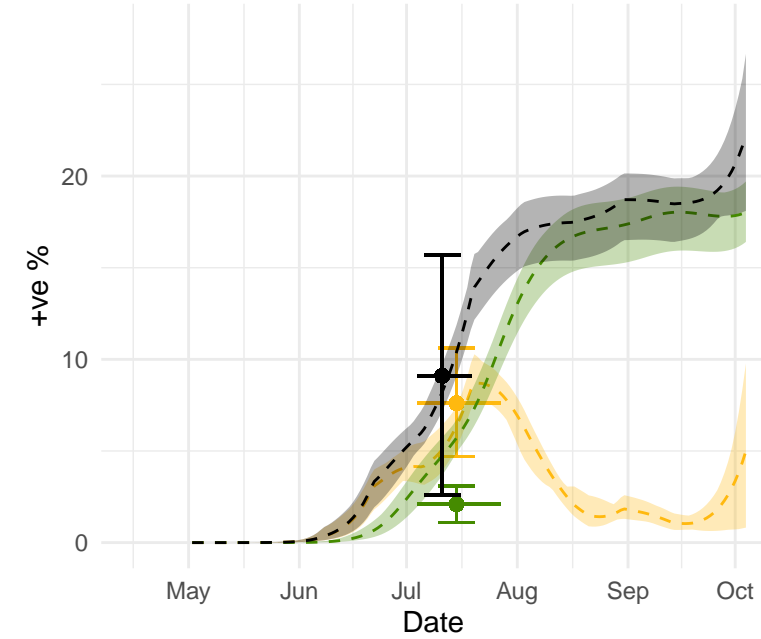
IFR x 1, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

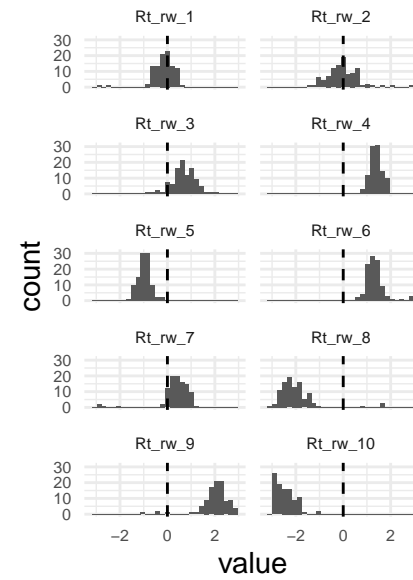
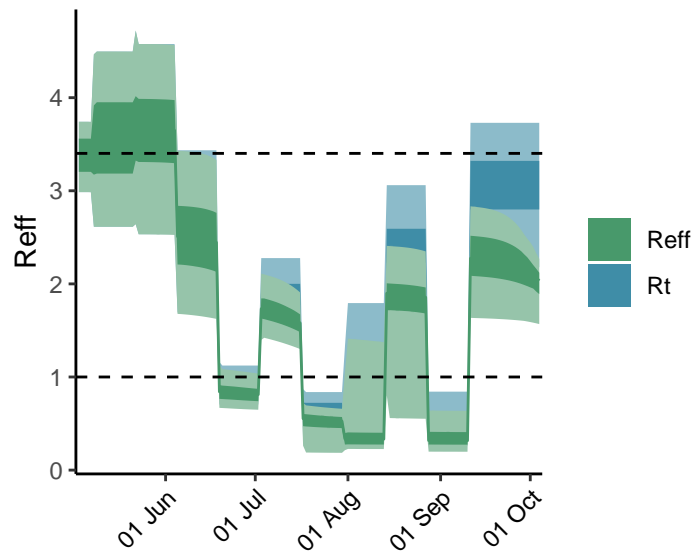


COVID-19 prevalence  
Lusaka/Zambia

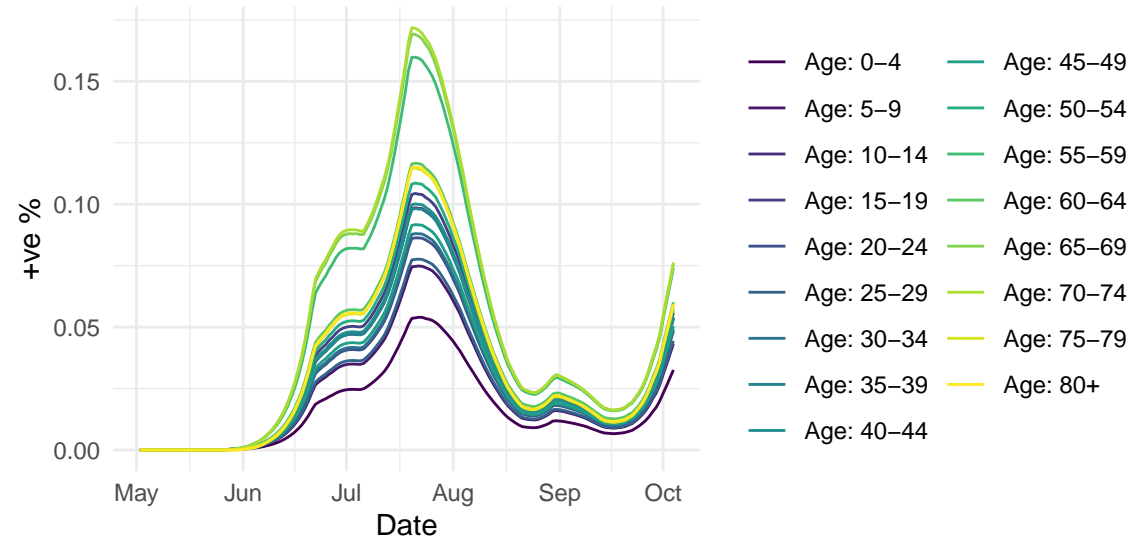


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

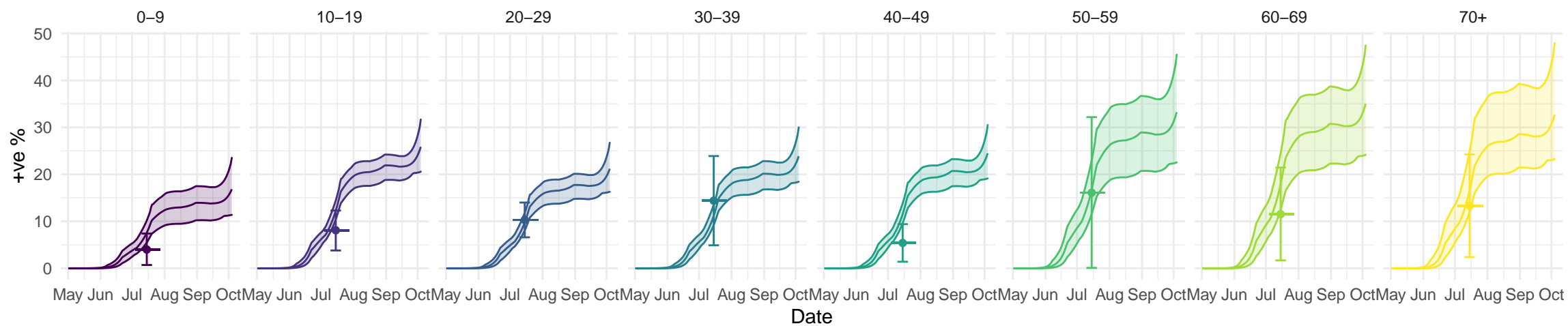
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

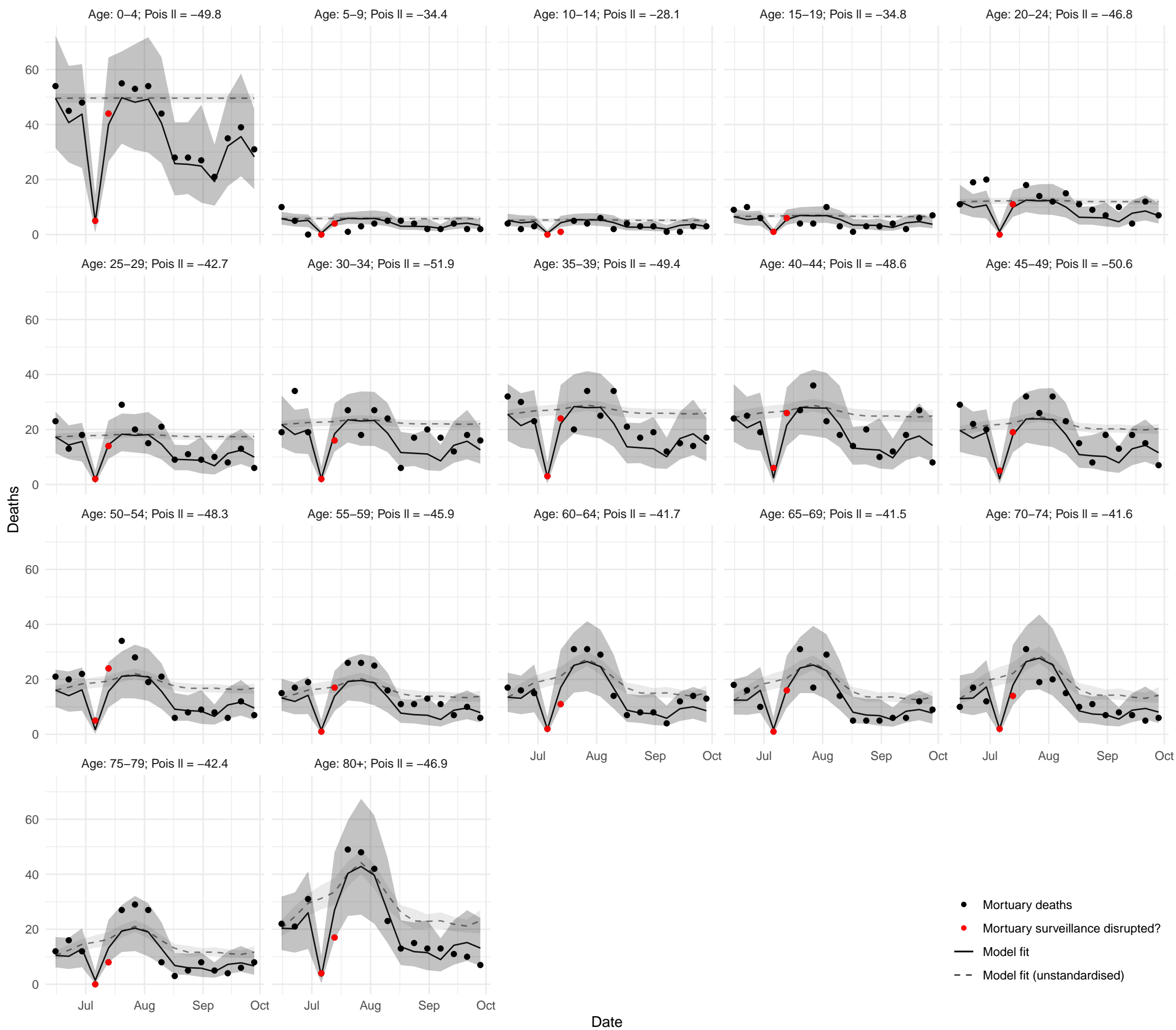


Modelled PCR %

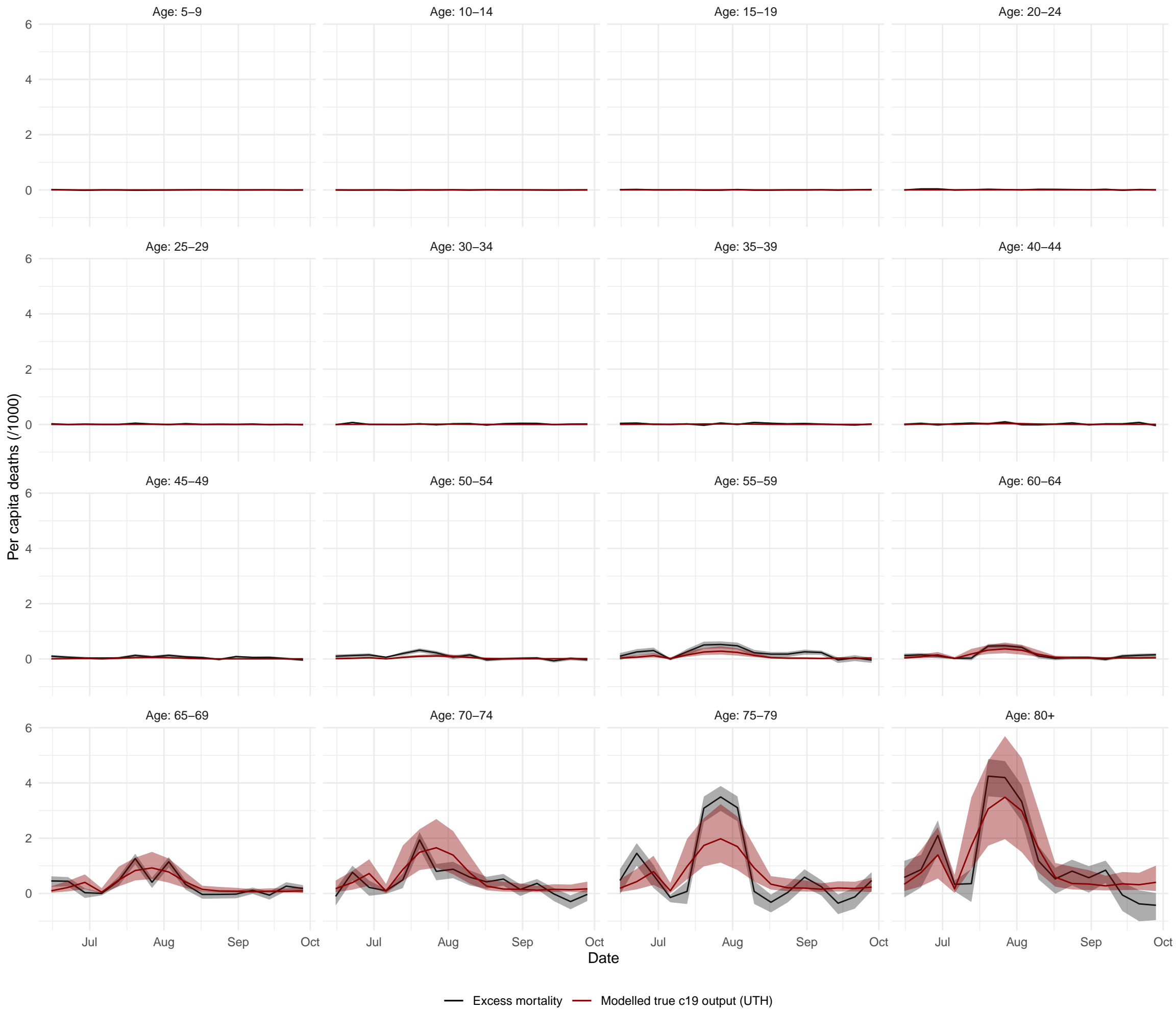


Modelled combined prevalence, Lusaka/Zambia

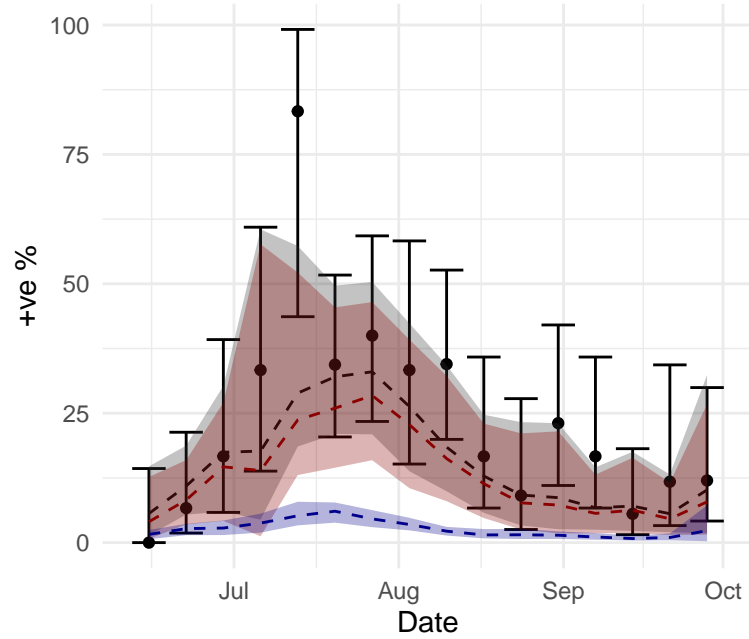




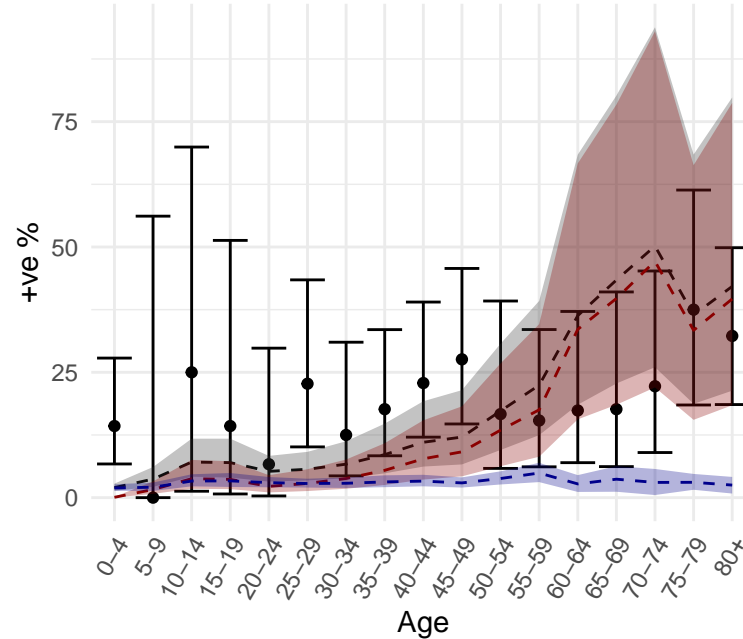
IFR x 1, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with sqire results



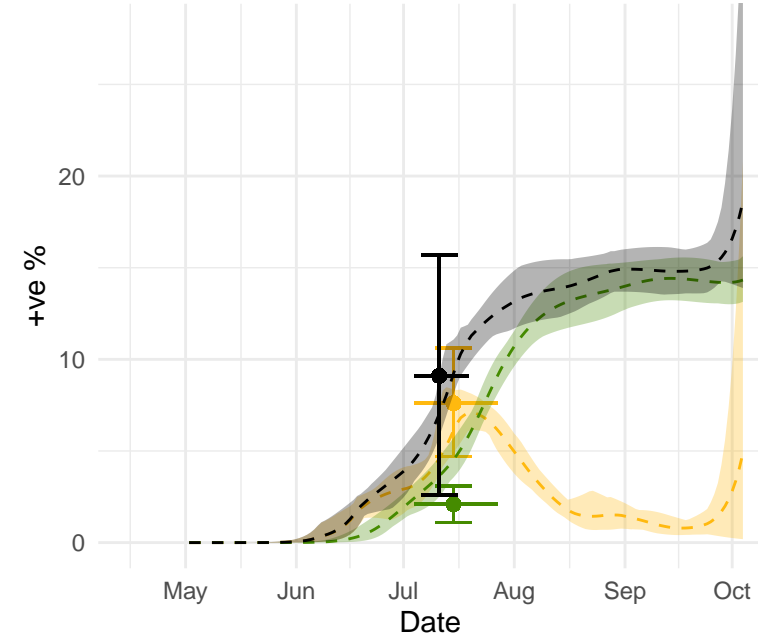
IFR x 1.25, Slope x 1.25  
COVID-19 weekly prevalence  
UTH mortuary



COVID-19 prevalence by age  
UTH mortuary

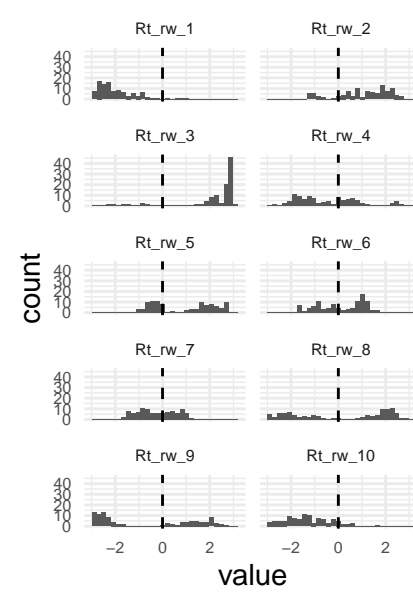
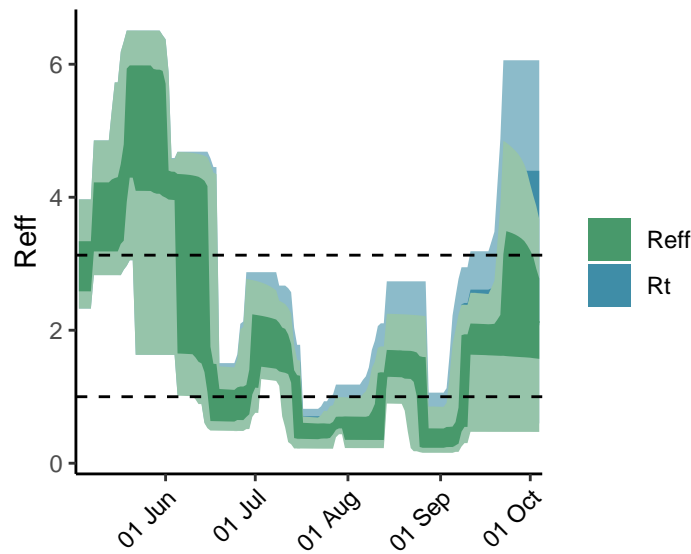


COVID-19 prevalence  
Lusaka/Zambia

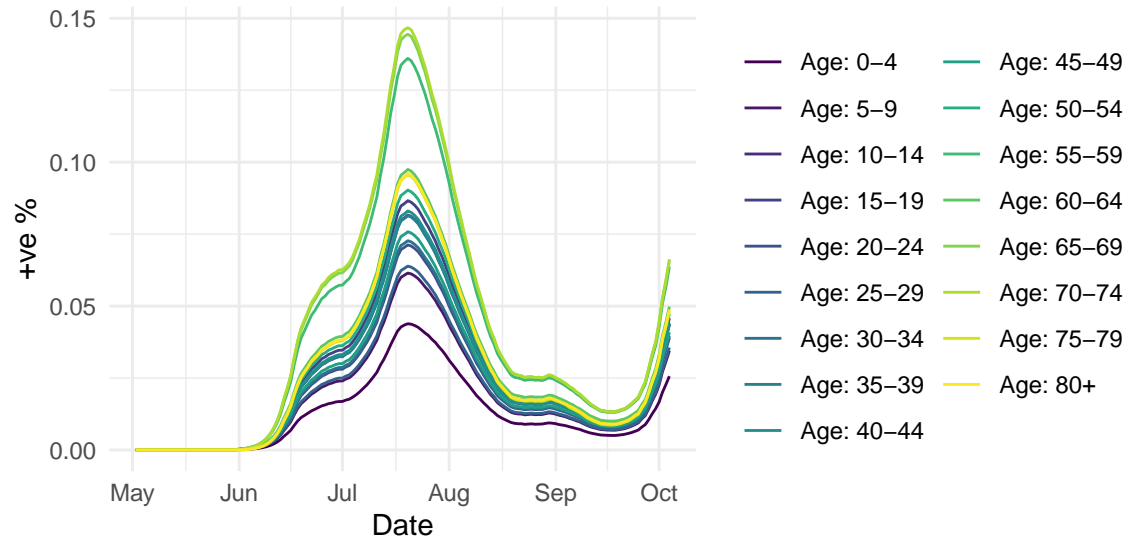


-- Total +ve deaths  
-- Causal deaths  
-- Coincidental deaths

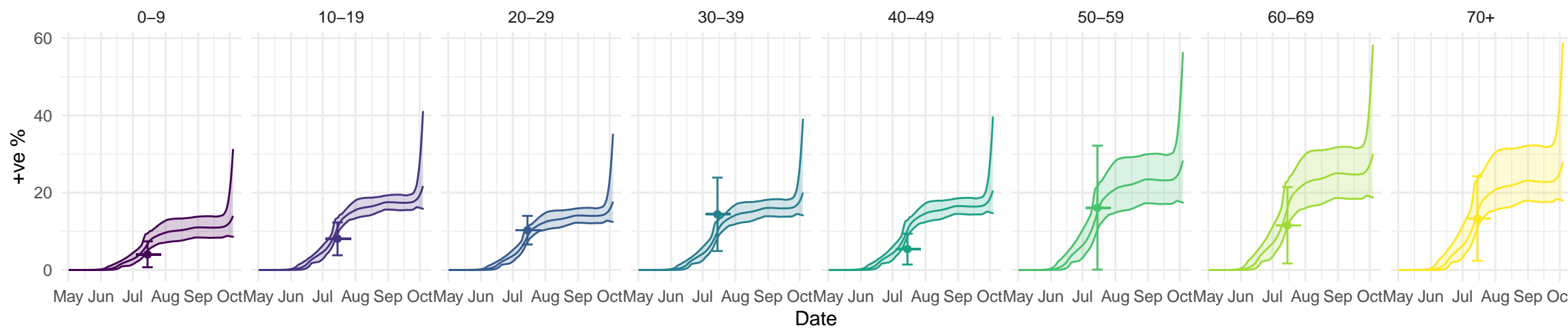
● Combined % (Lusaka)  
● PCR % (Zambia)  
● Sero % (Zambia)

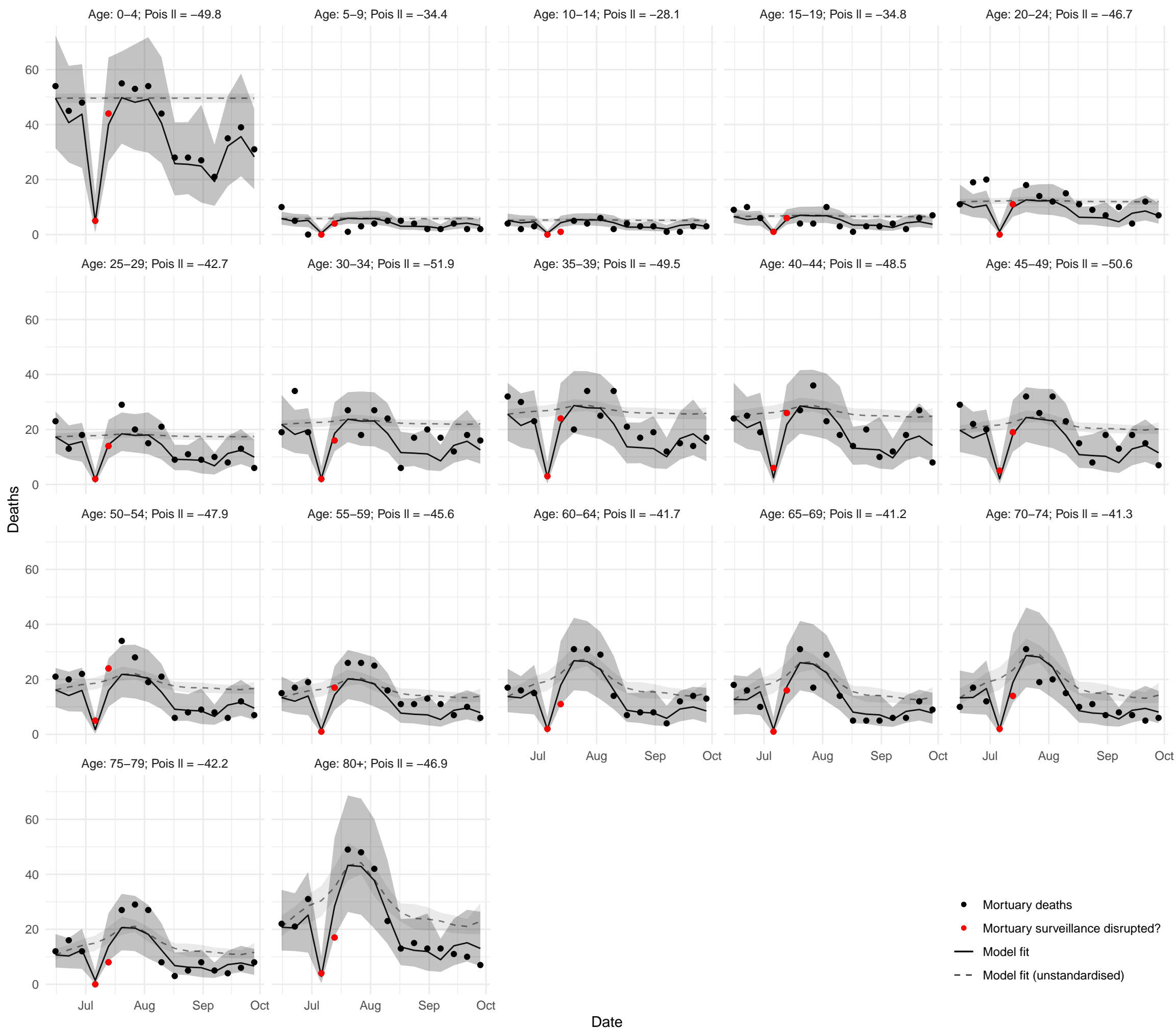


Modelled PCR %

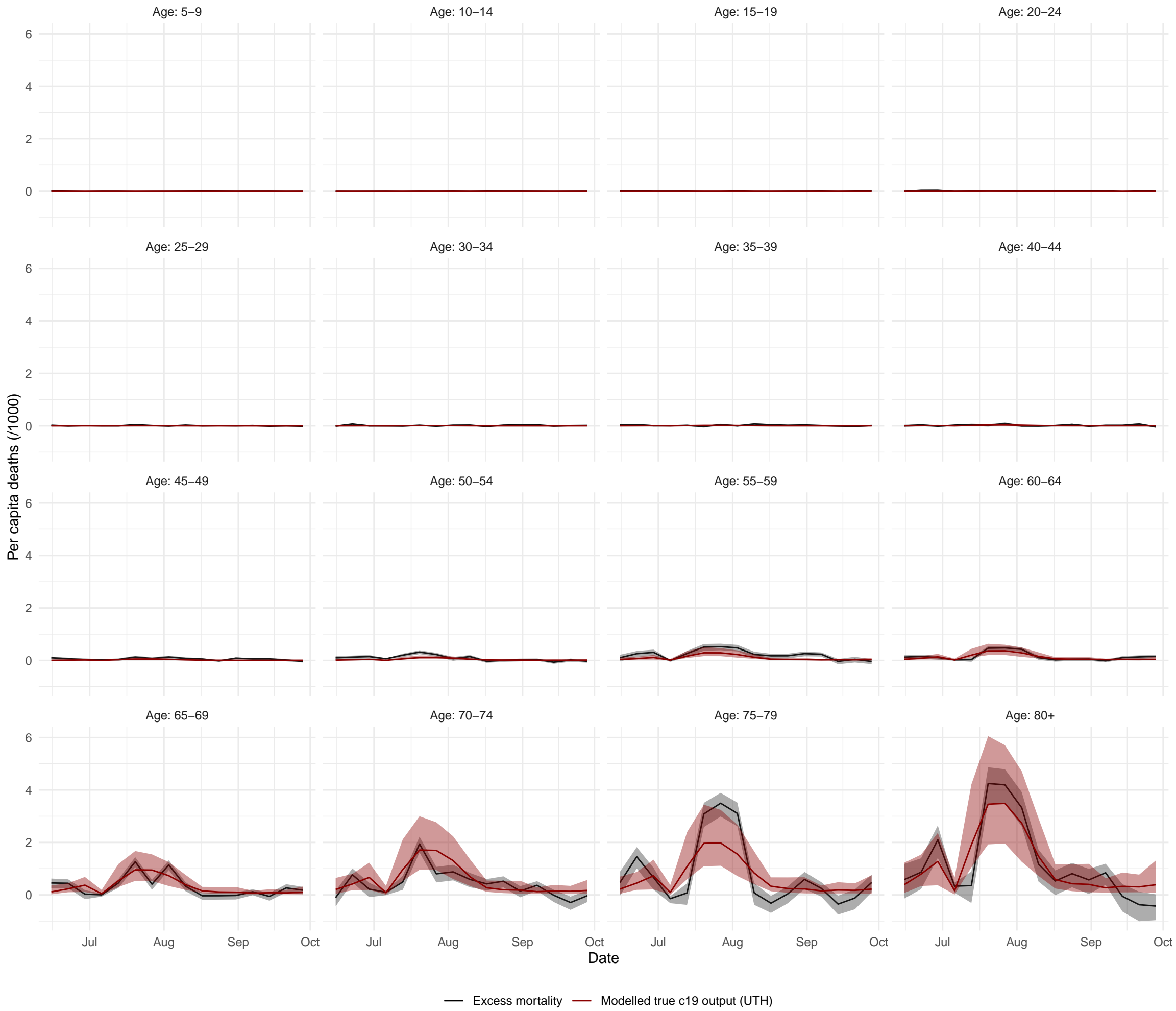


Modelled combined prevalence, Lusaka/Zambia

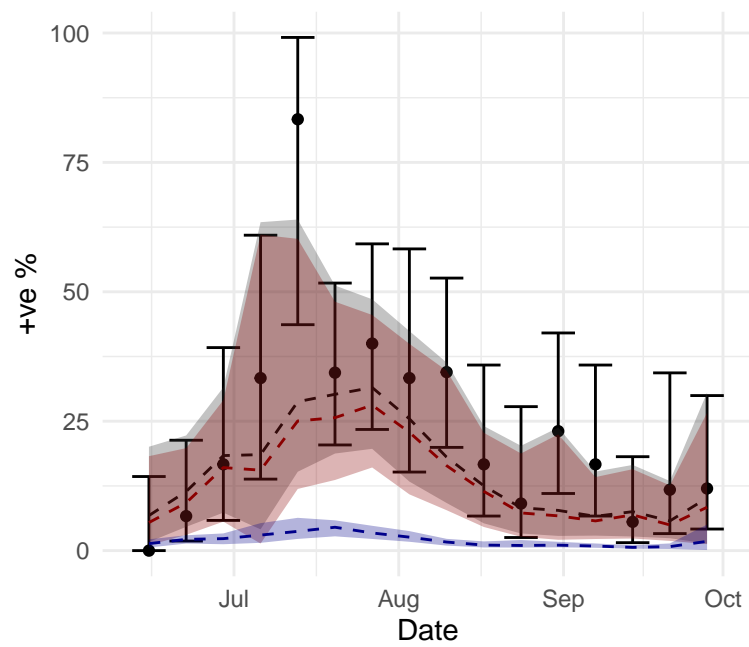




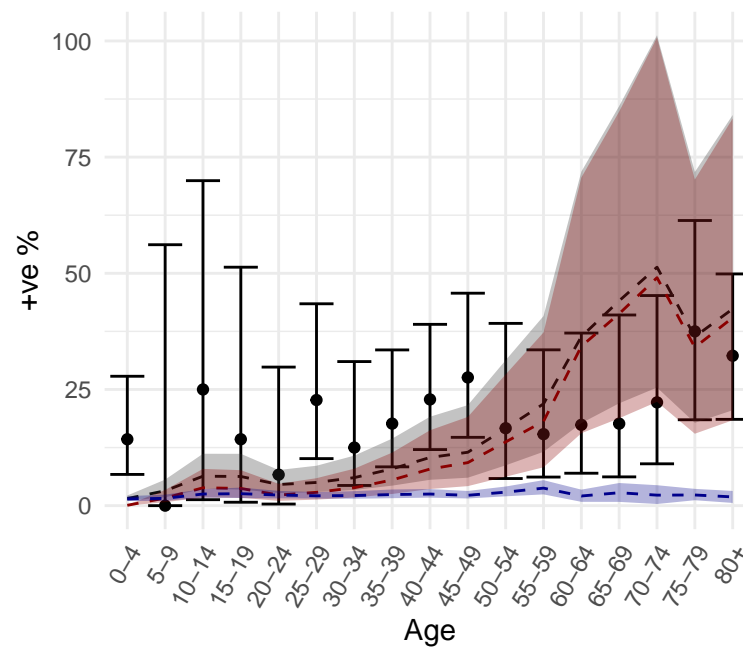
IFR x 1.25, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with squire results



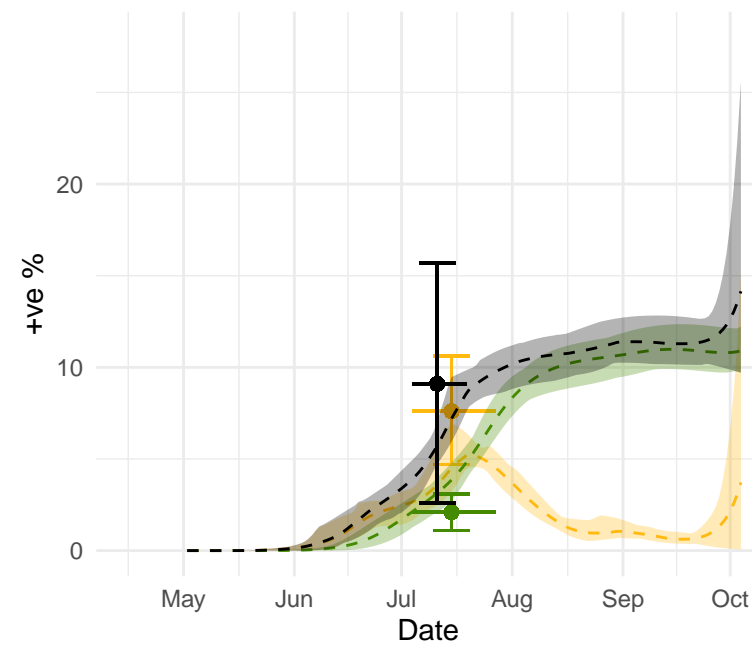
IFR x 1.67, Slope x 1.25  
 COVID-19 weekly prevalence  
 UTH mortuary



COVID-19 prevalence by age  
 UTH mortuary

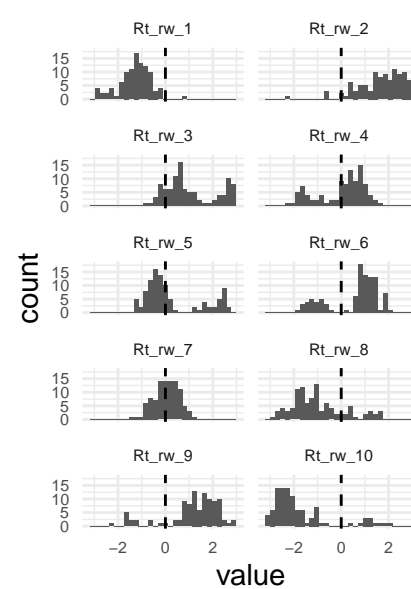
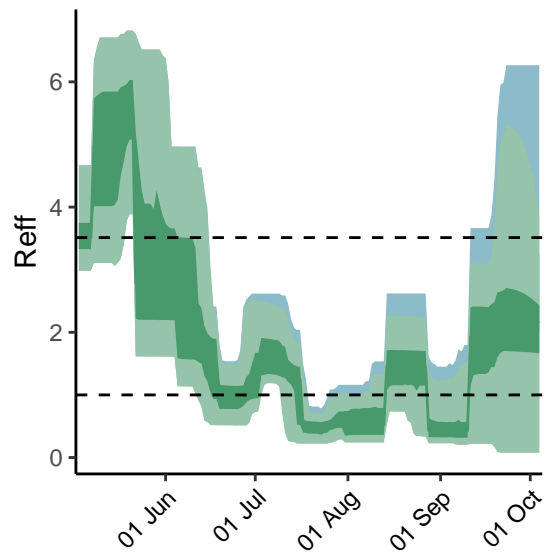


COVID-19 prevalence  
 Lusaka/Zambia

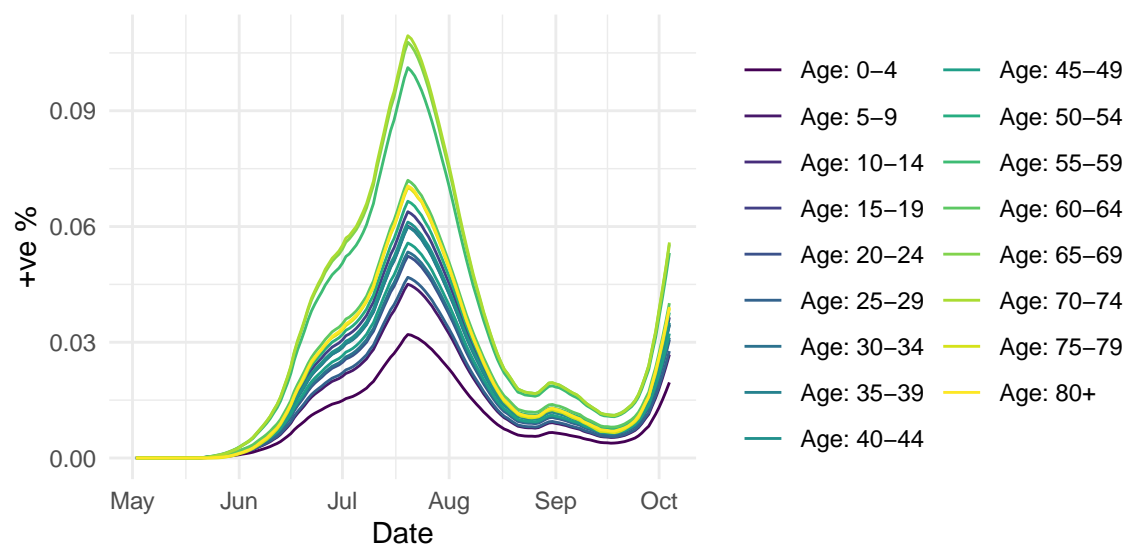


-- Total +ve deaths  
 - - Causal deaths  
 - - Coincidental deaths

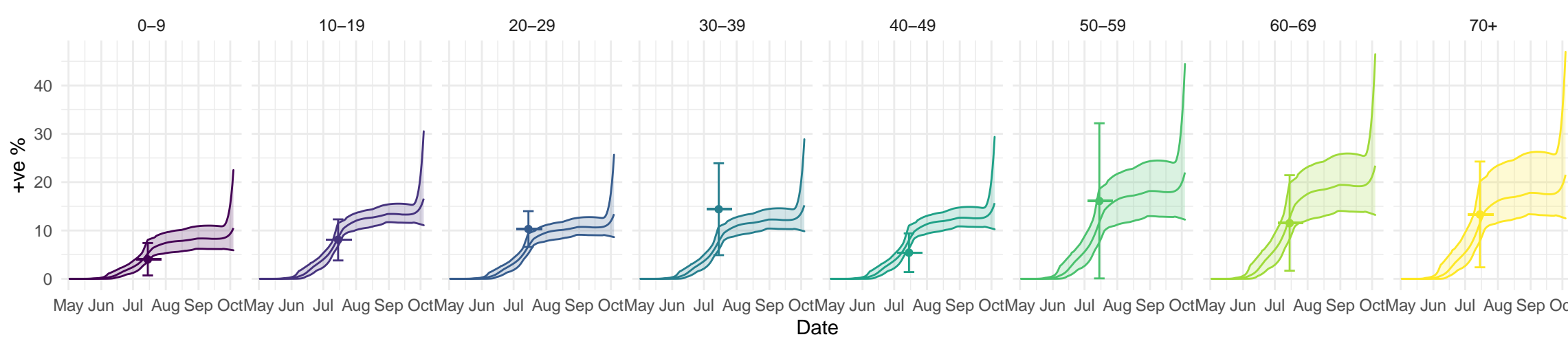
● Combined % (Lusaka)  
 ● PCR % (Zambia)  
 ● Sero % (Zambia)

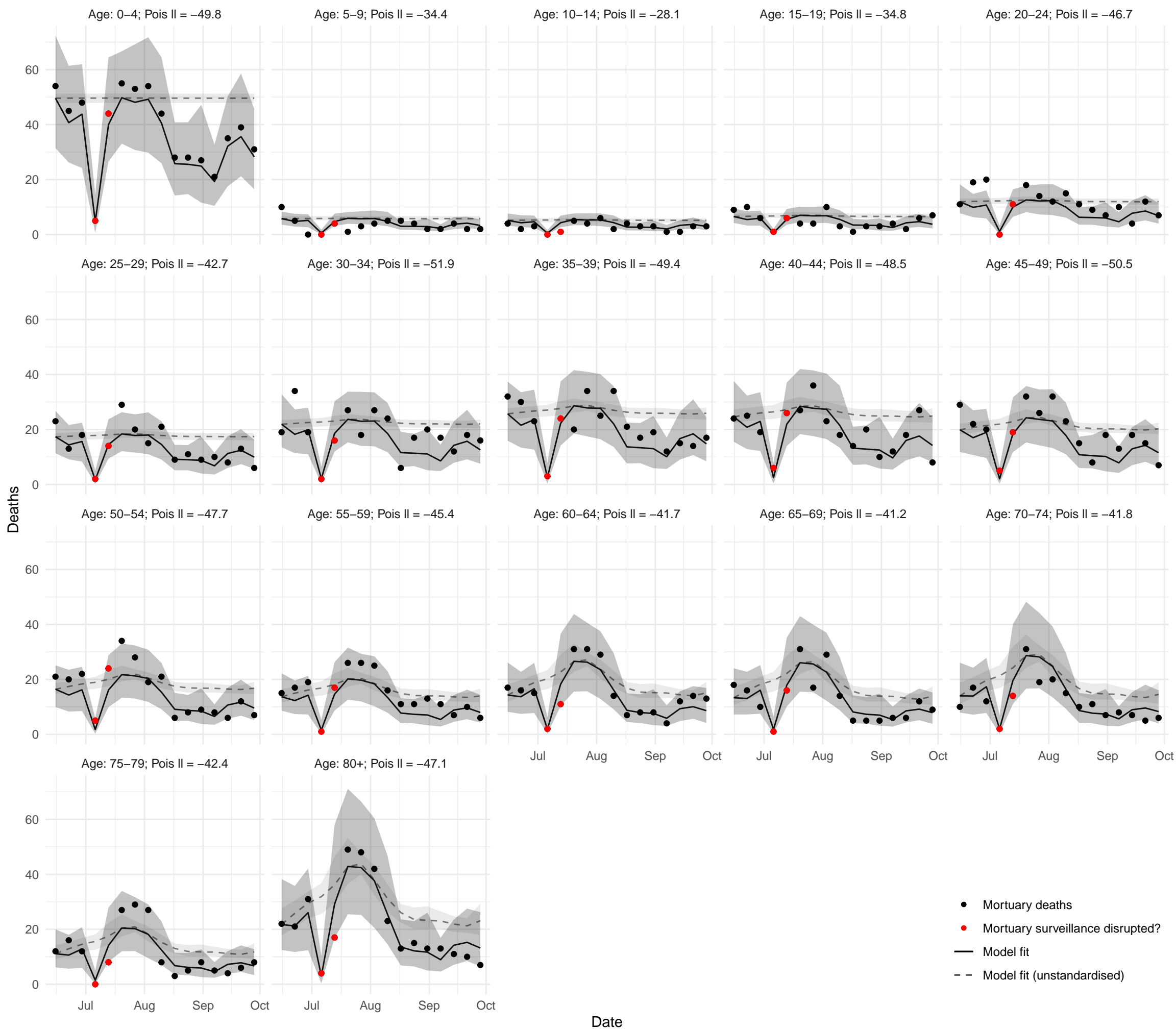


Modelled PCR %



Modelled combined prevalence, Lusaka/Zambia







IFR x 1.67, Slope x 1.25  
COVID-19 excess mortality: Comparison of MCMC results with squire results

