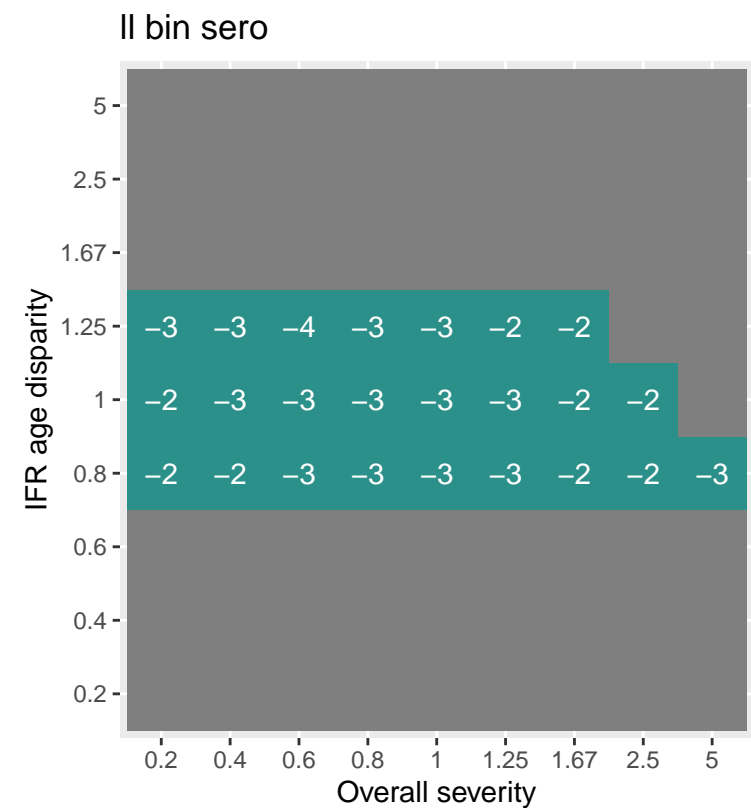
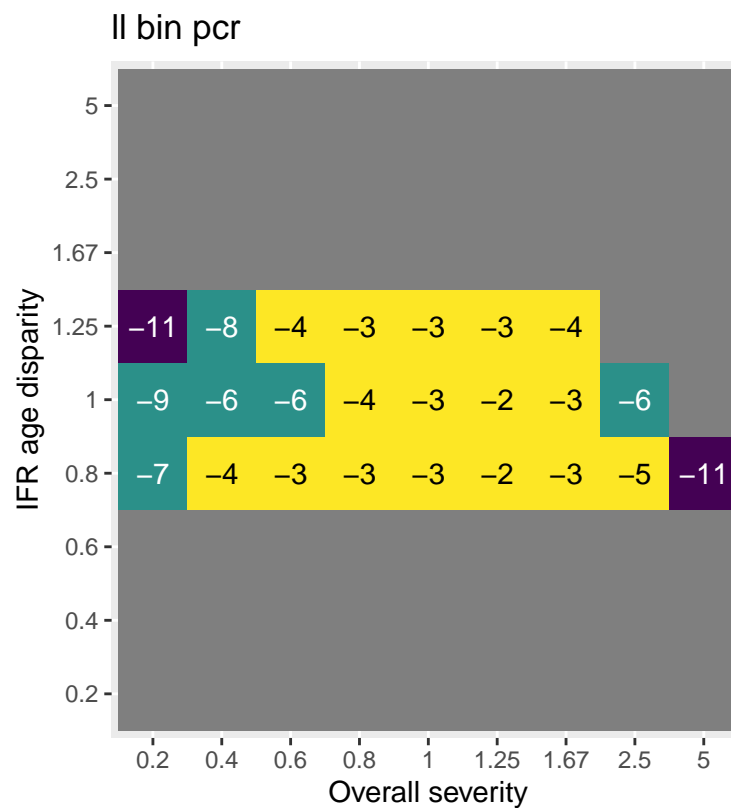
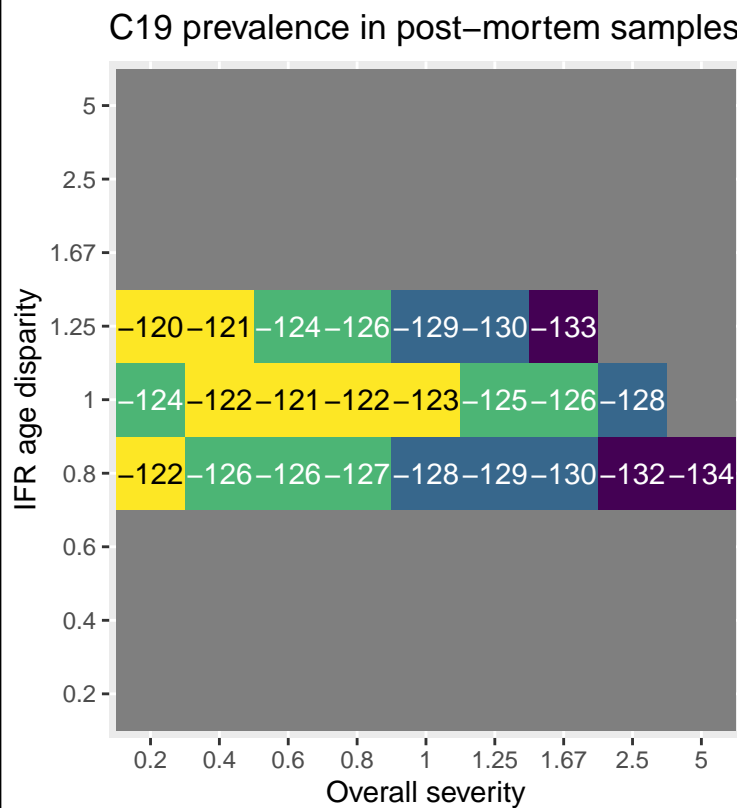
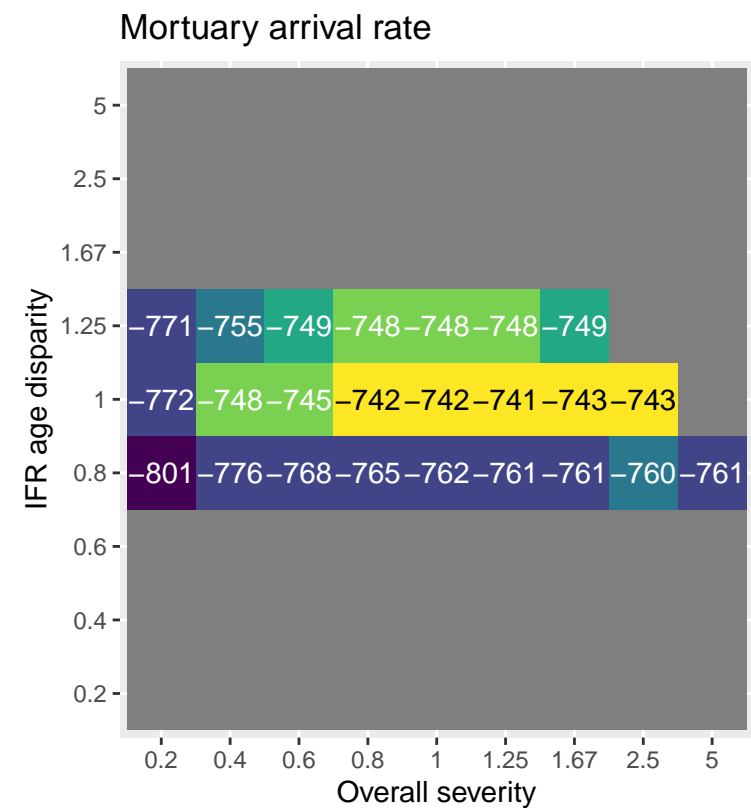
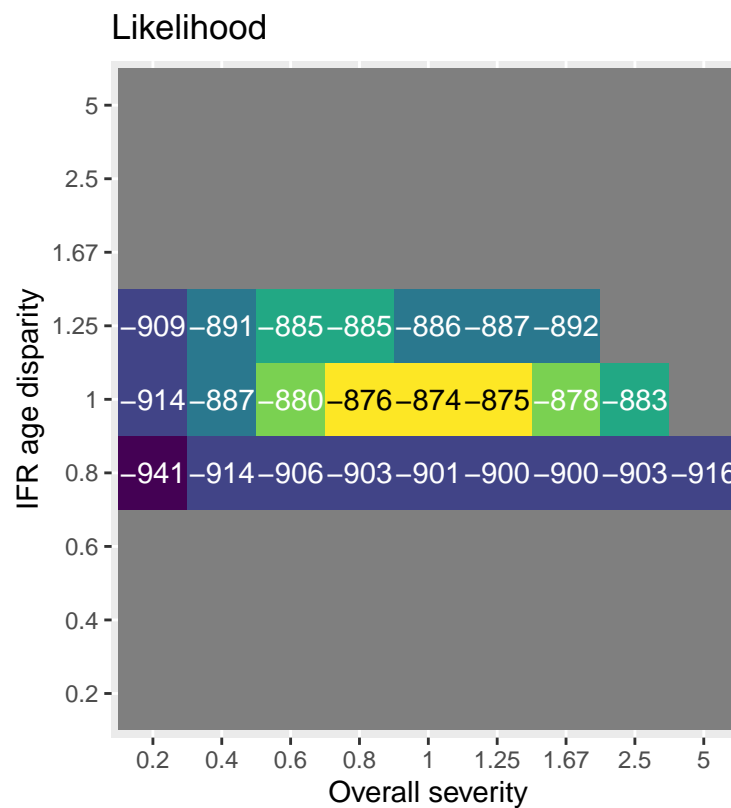
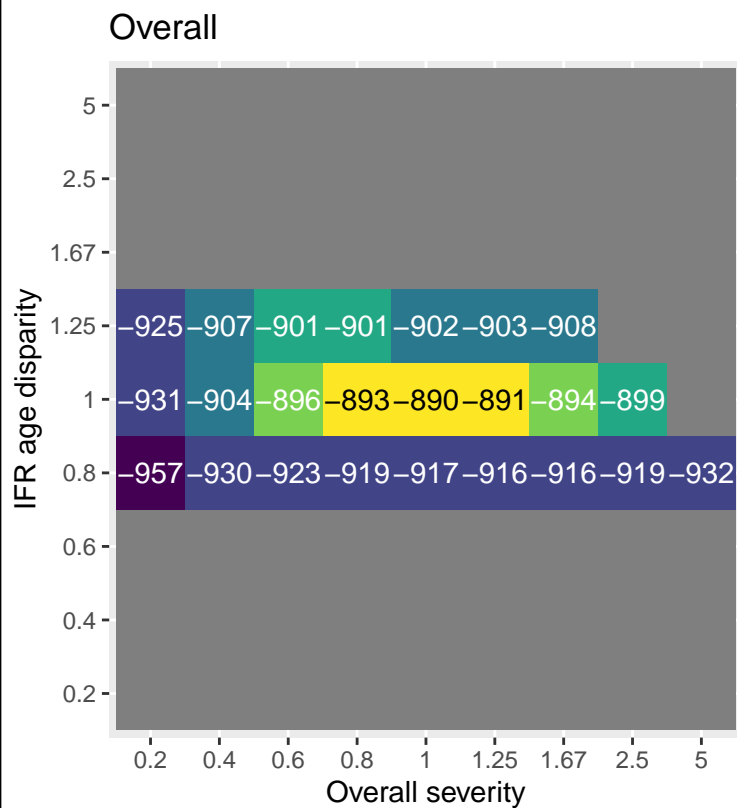
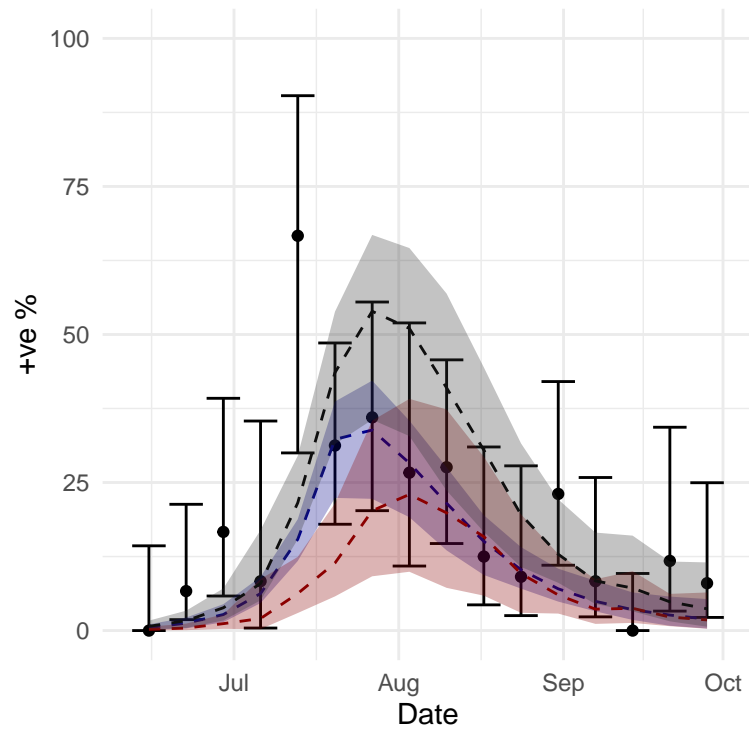


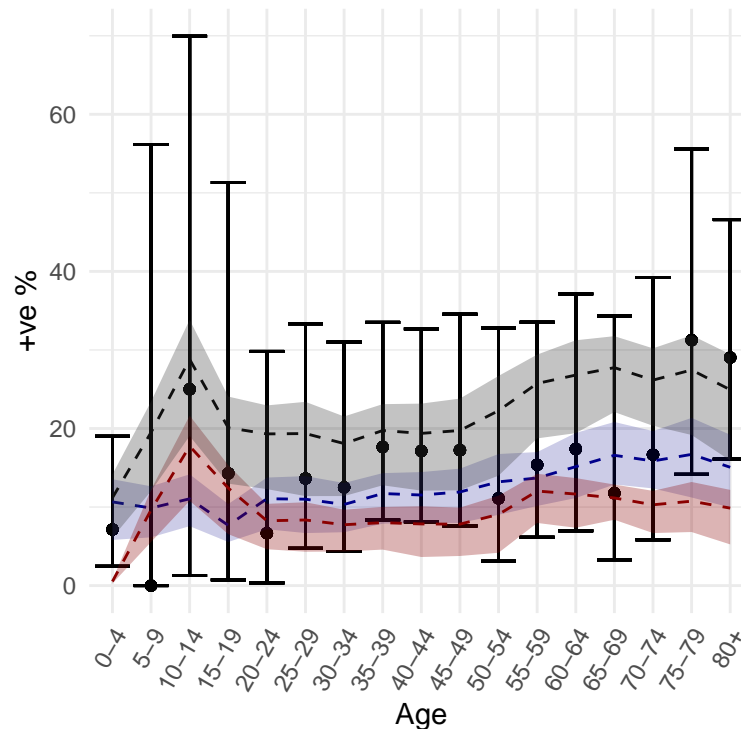
Disaggregated pcr and sero



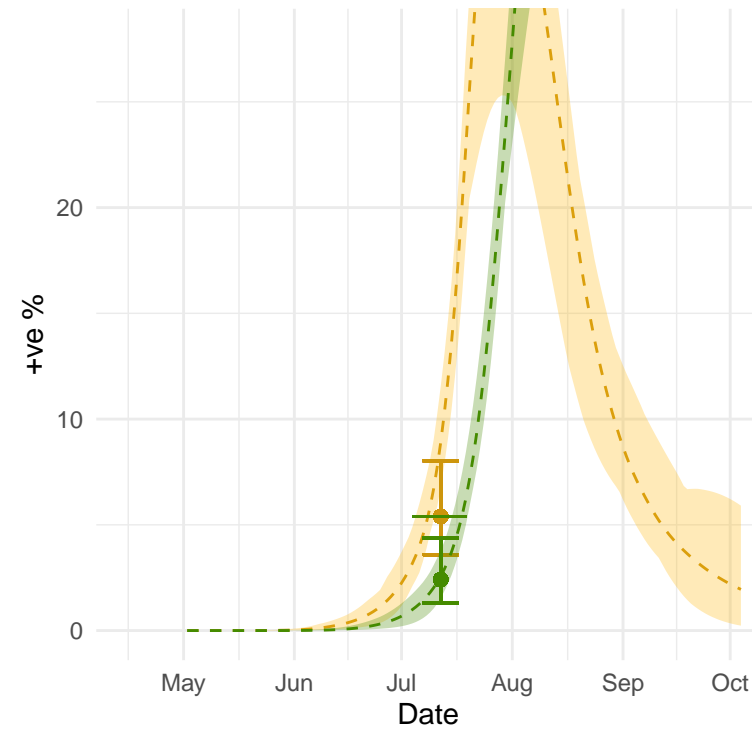
IFR x 0.2, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

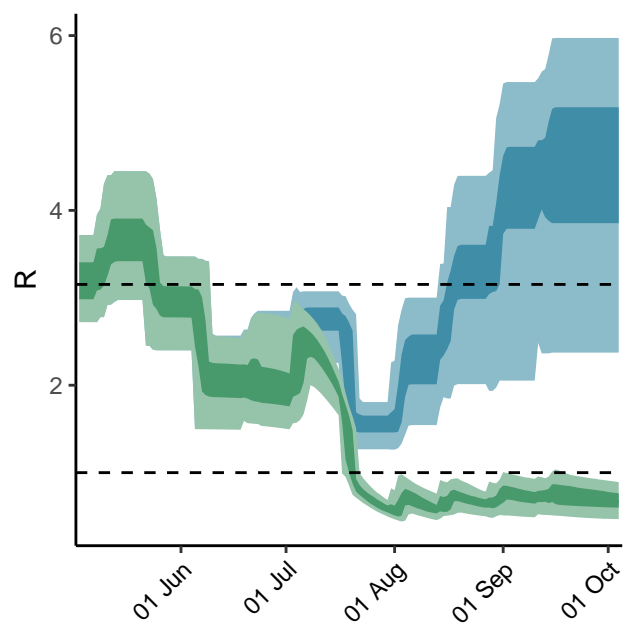


COVID-19 prevalence
 Lusaka/Zambia

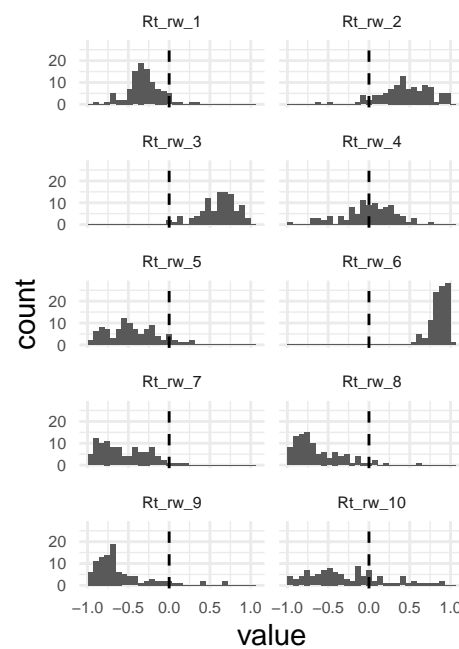


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

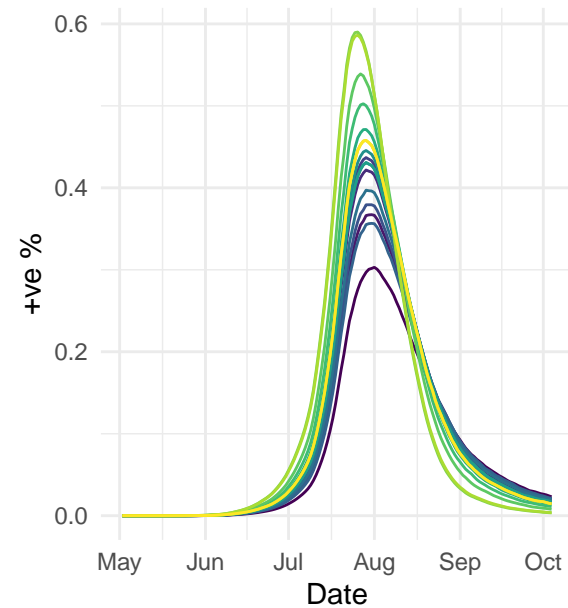
PCR % (Lusaka)
 Sero % (Lusaka)



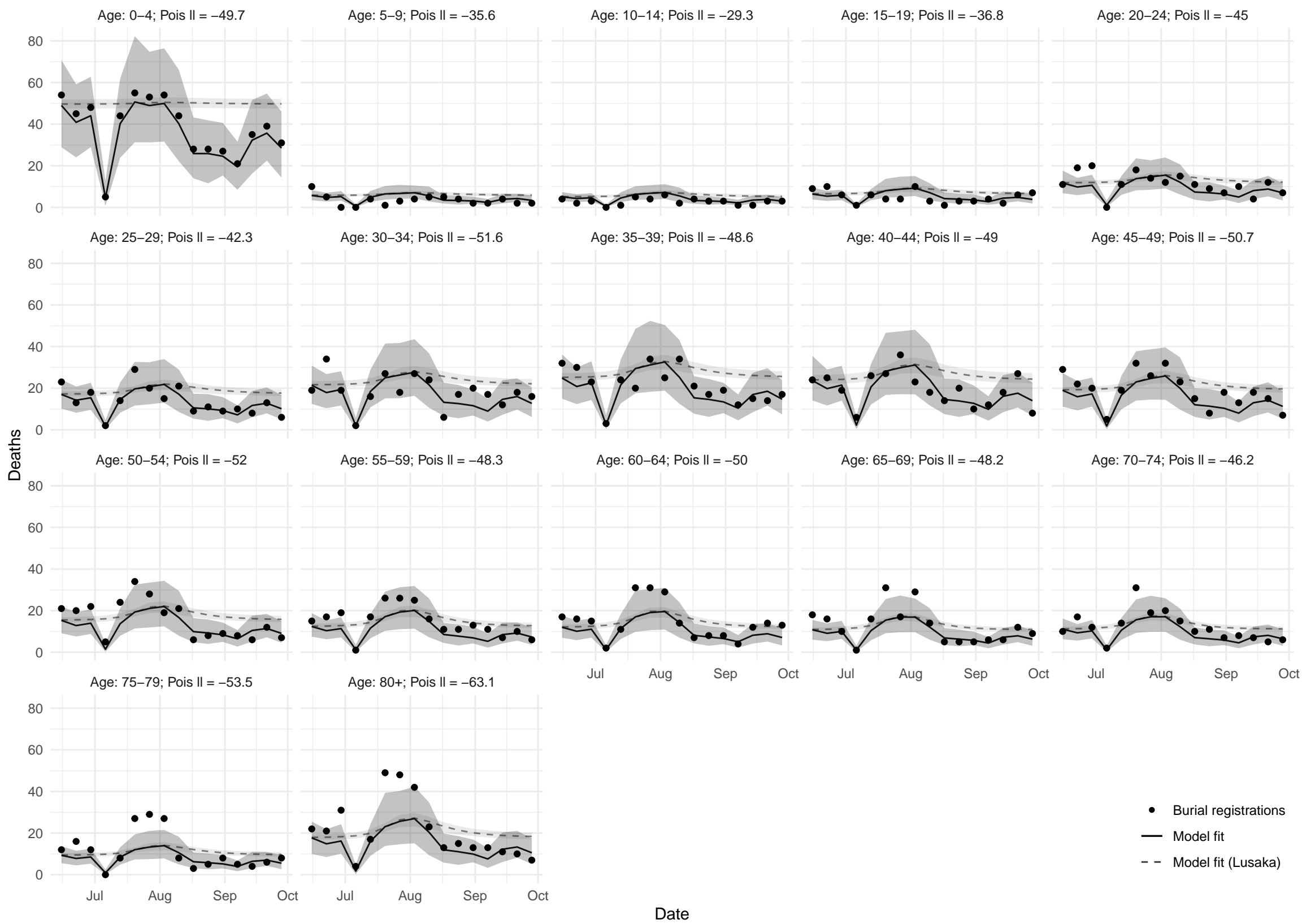
Reff
 Rt



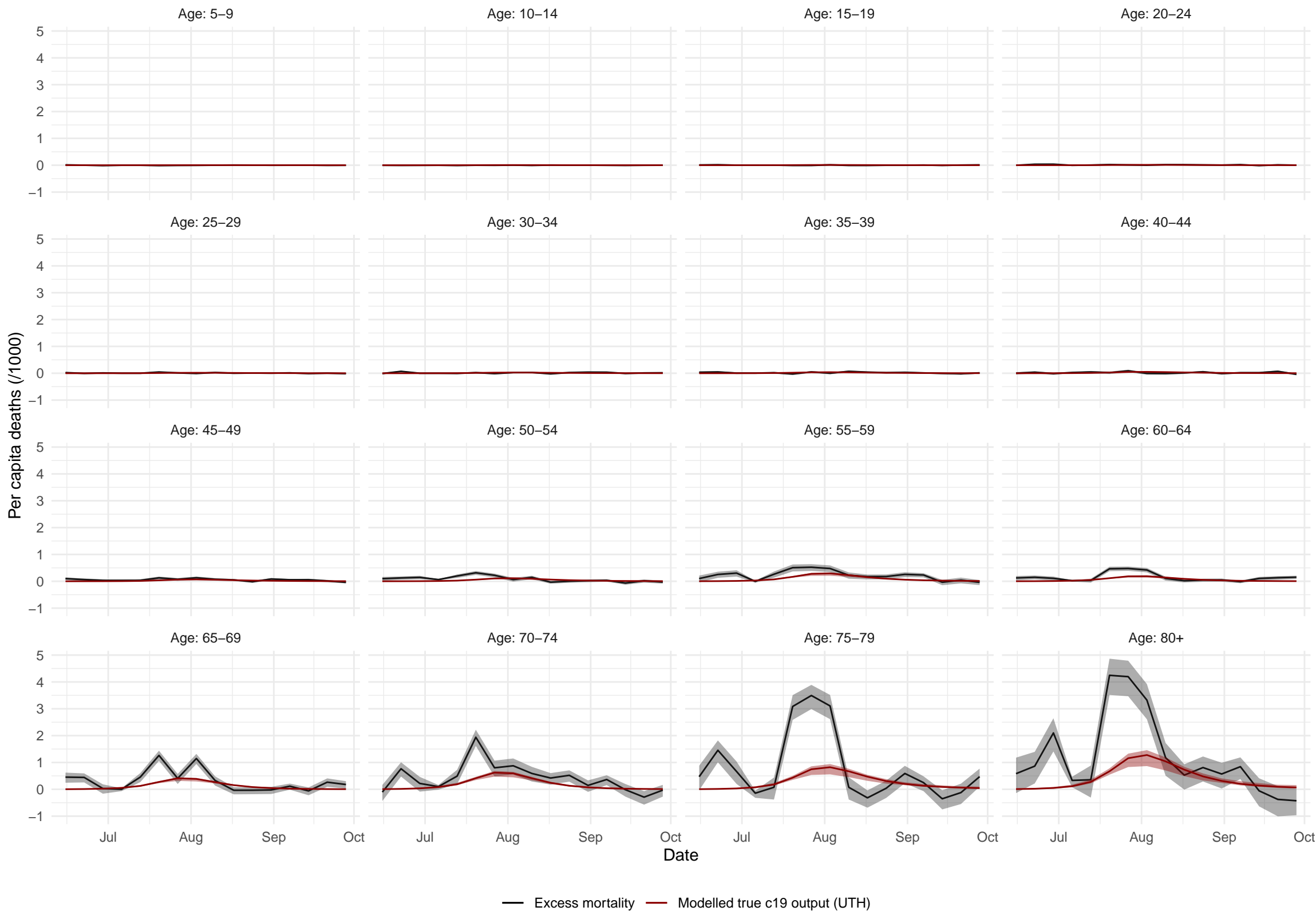
Modelled PCR %



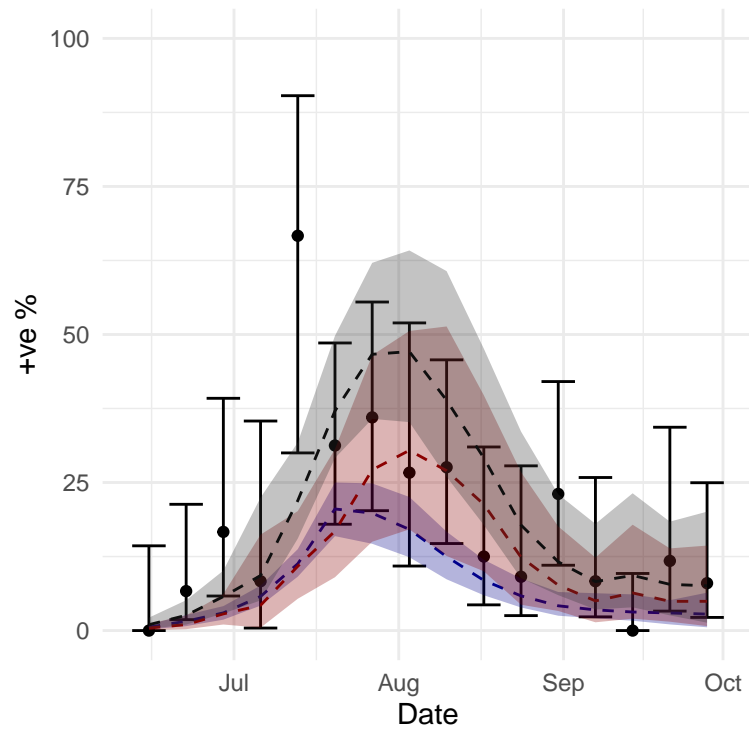
Age: 0-4
 Age: 5-9
 Age: 10-14
 Age: 15-19
 Age: 20-24
 Age: 25-29
 Age: 30-34
 Age: 35-39
 Age: 40-44
 Age: 45-49
 Age: 50-54
 Age: 55-59
 Age: 60-64
 Age: 65-69
 Age: 70-74
 Age: 75-79
 Age: 80+



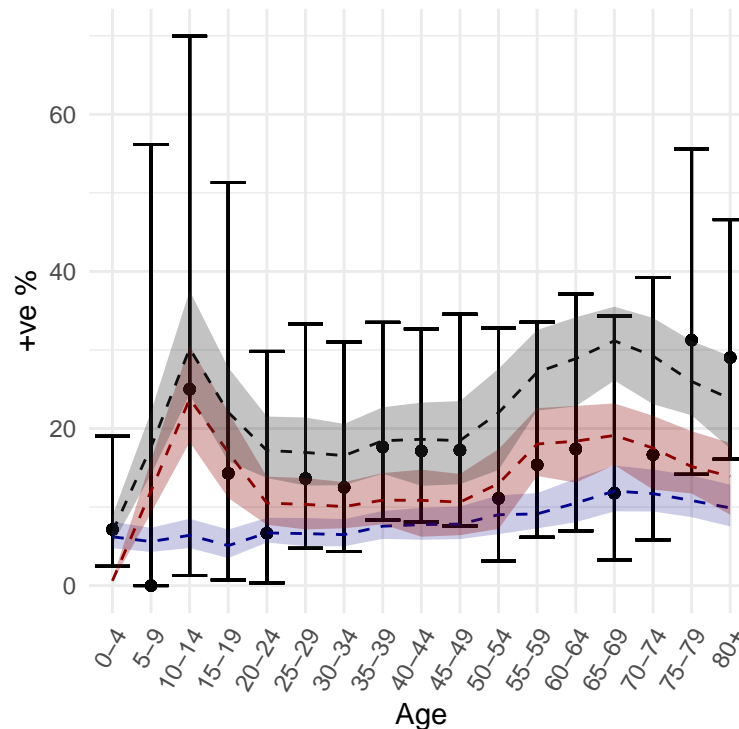
IFR x 0.2, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



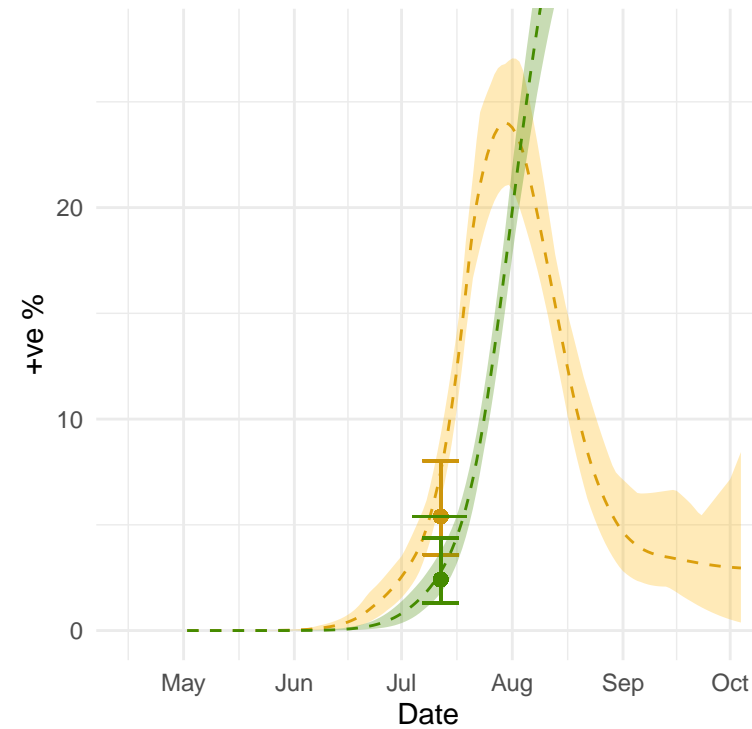
IFR x 0.4, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

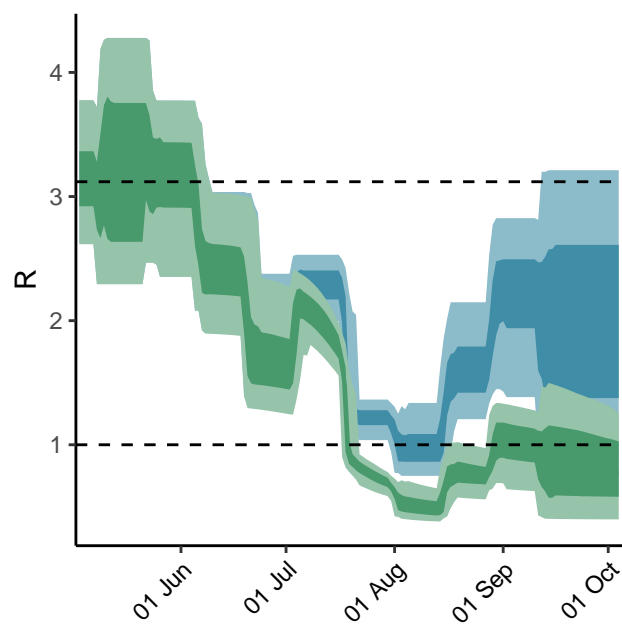


COVID-19 prevalence
 Lusaka/Zambia

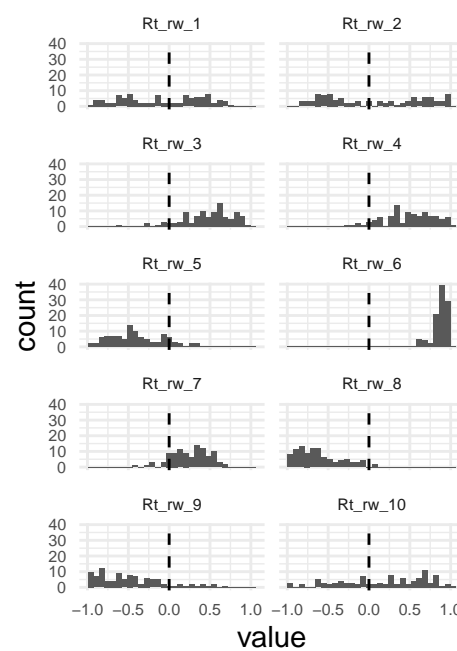


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

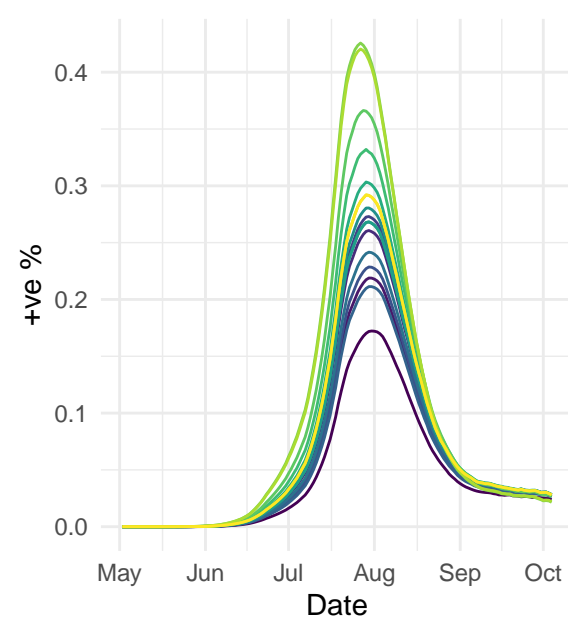
PCR % (Lusaka)
 Sero % (Lusaka)



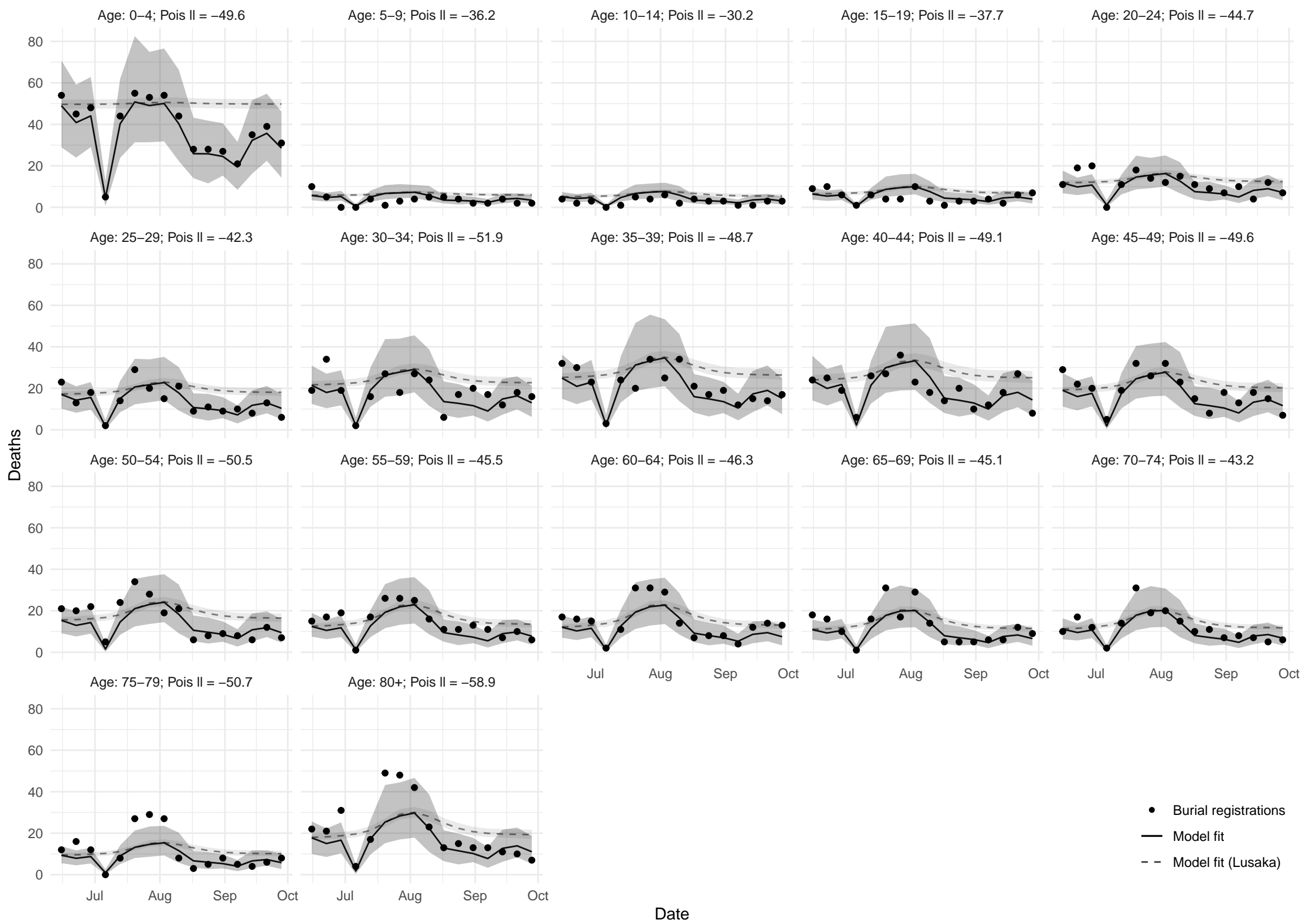
Reff
 Rt



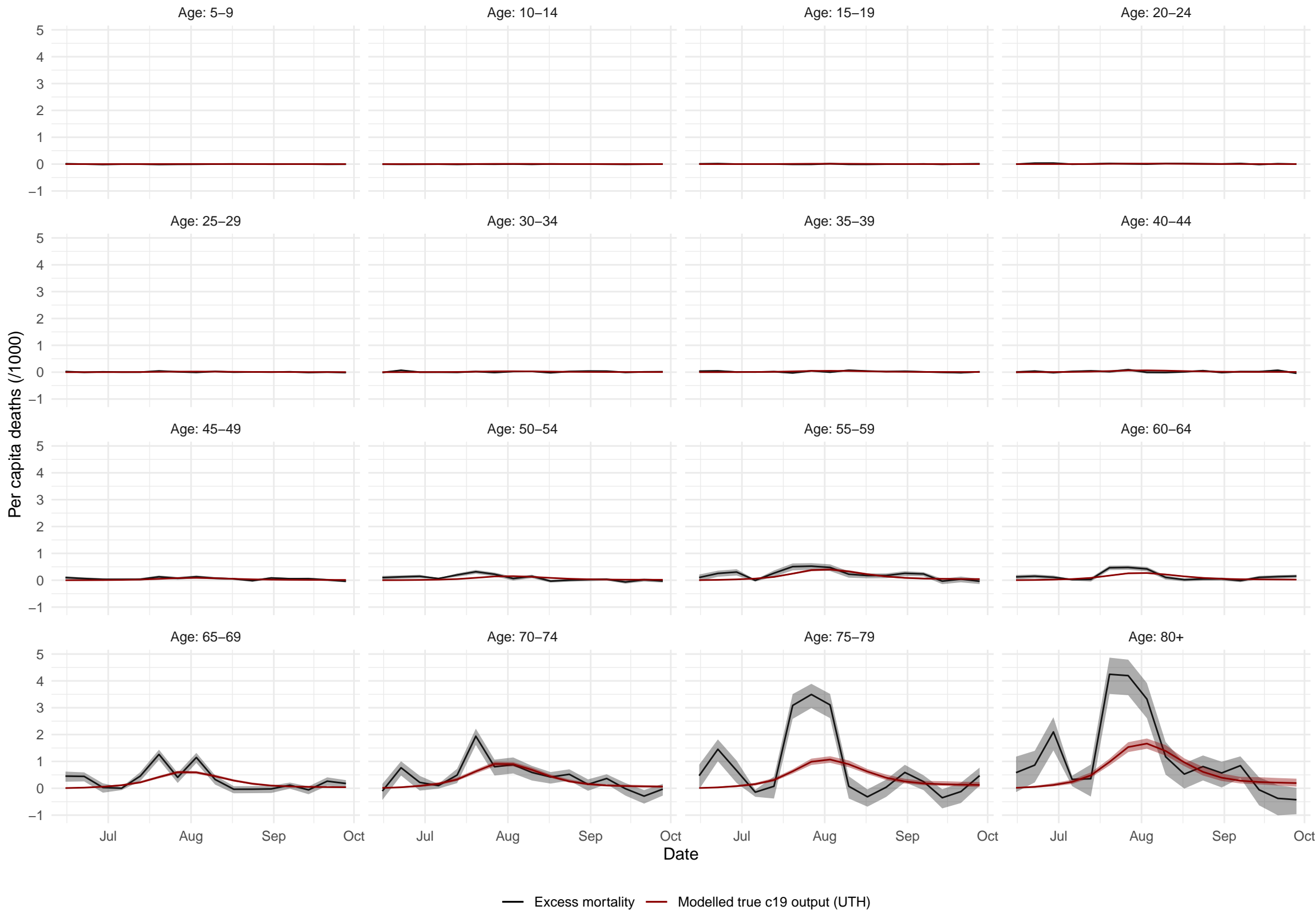
Modelled PCR %



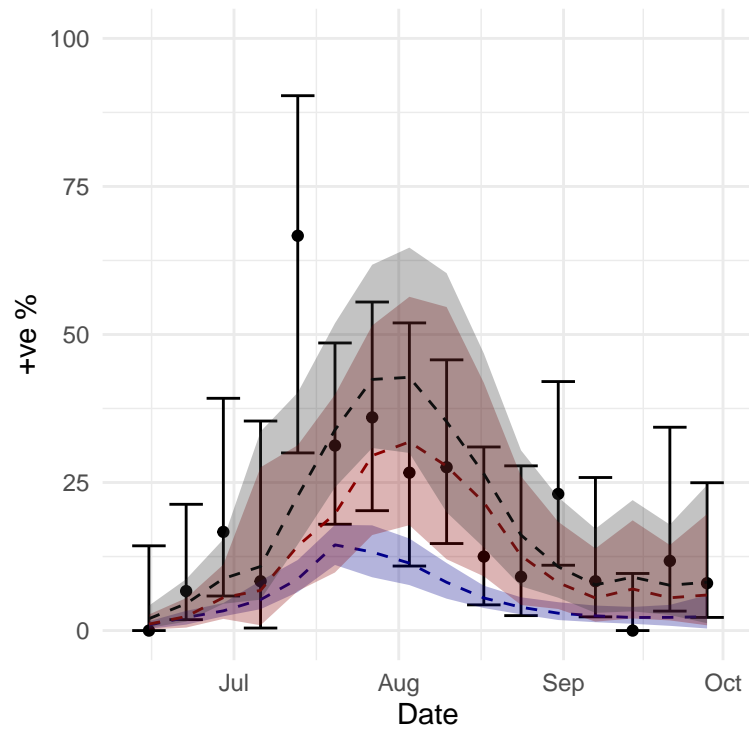
Age: 0-4
 Age: 5-9
 Age: 10-14
 Age: 15-19
 Age: 20-24
 Age: 25-29
 Age: 30-34
 Age: 35-39
 Age: 40-44
 Age: 45-49
 Age: 50-54
 Age: 55-59
 Age: 60-64
 Age: 65-69
 Age: 70-74
 Age: 75-79
 Age: 80+



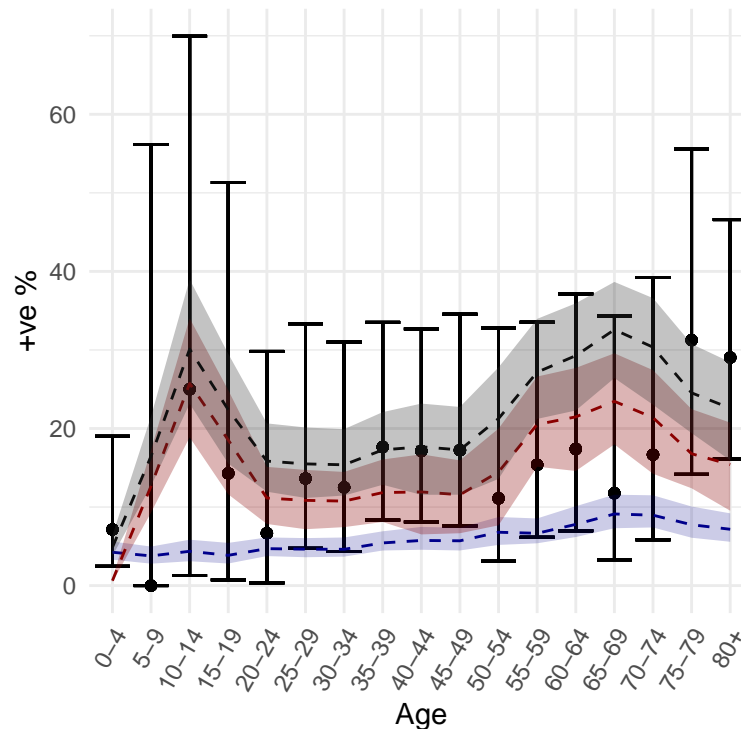
IFR x 0.4, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



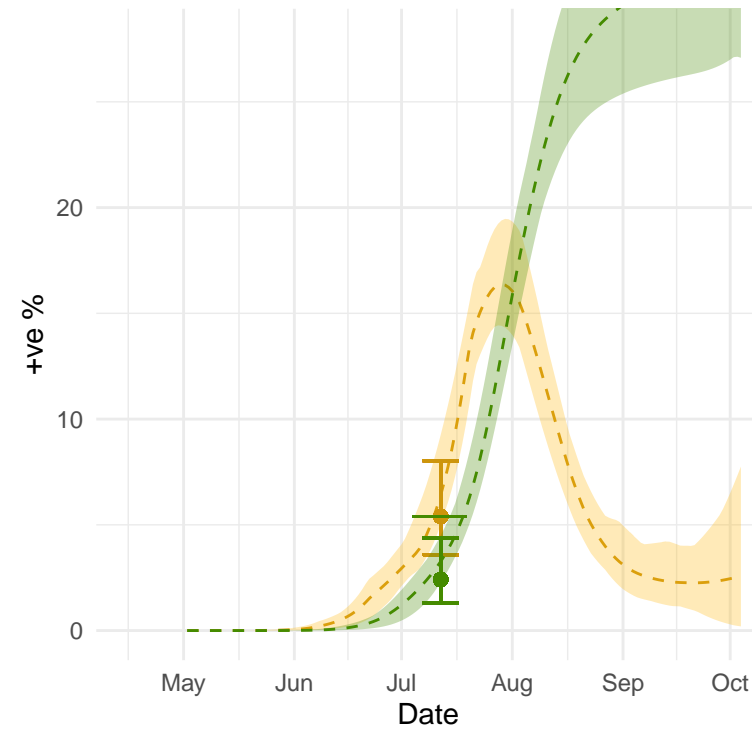
IFR x 0.6, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

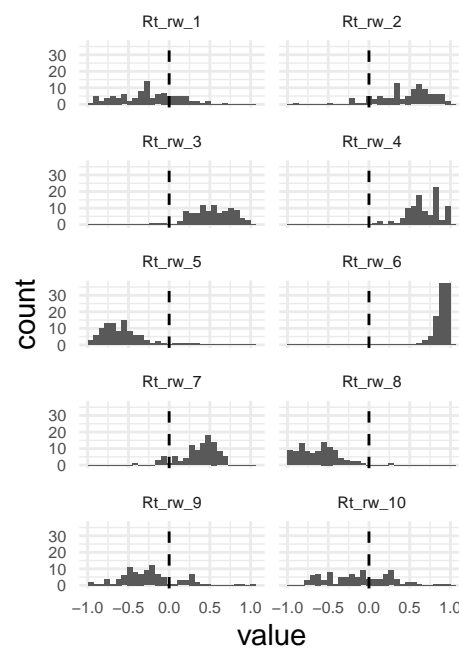
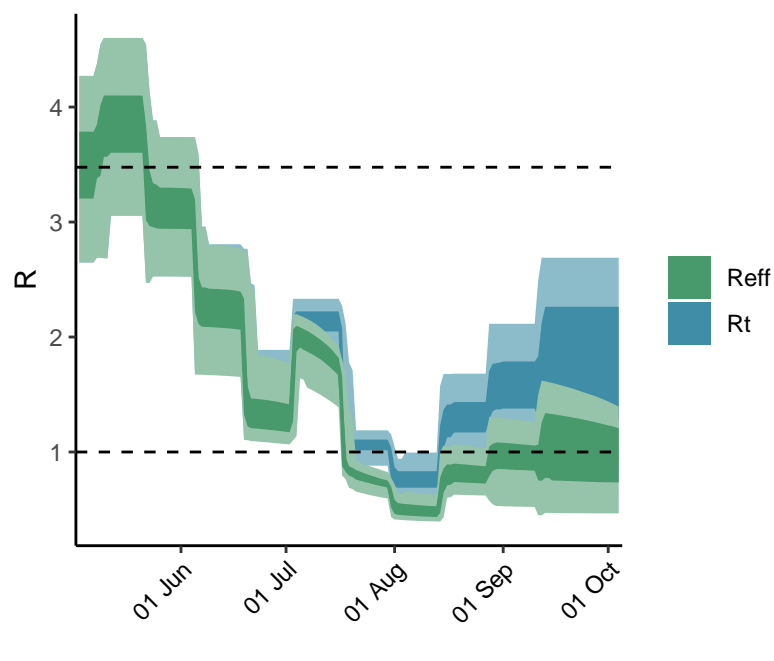


COVID-19 prevalence
 Lusaka/Zambia

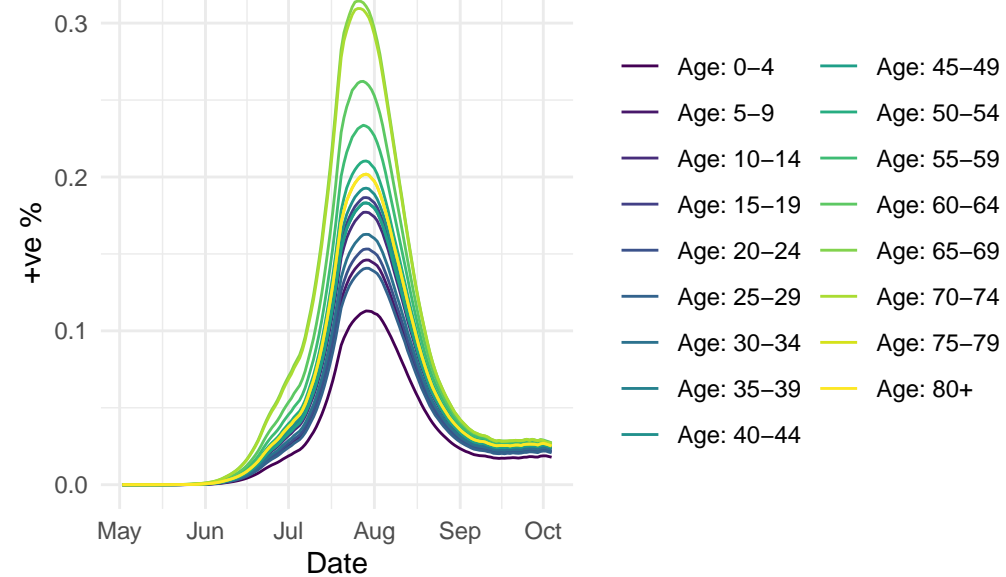


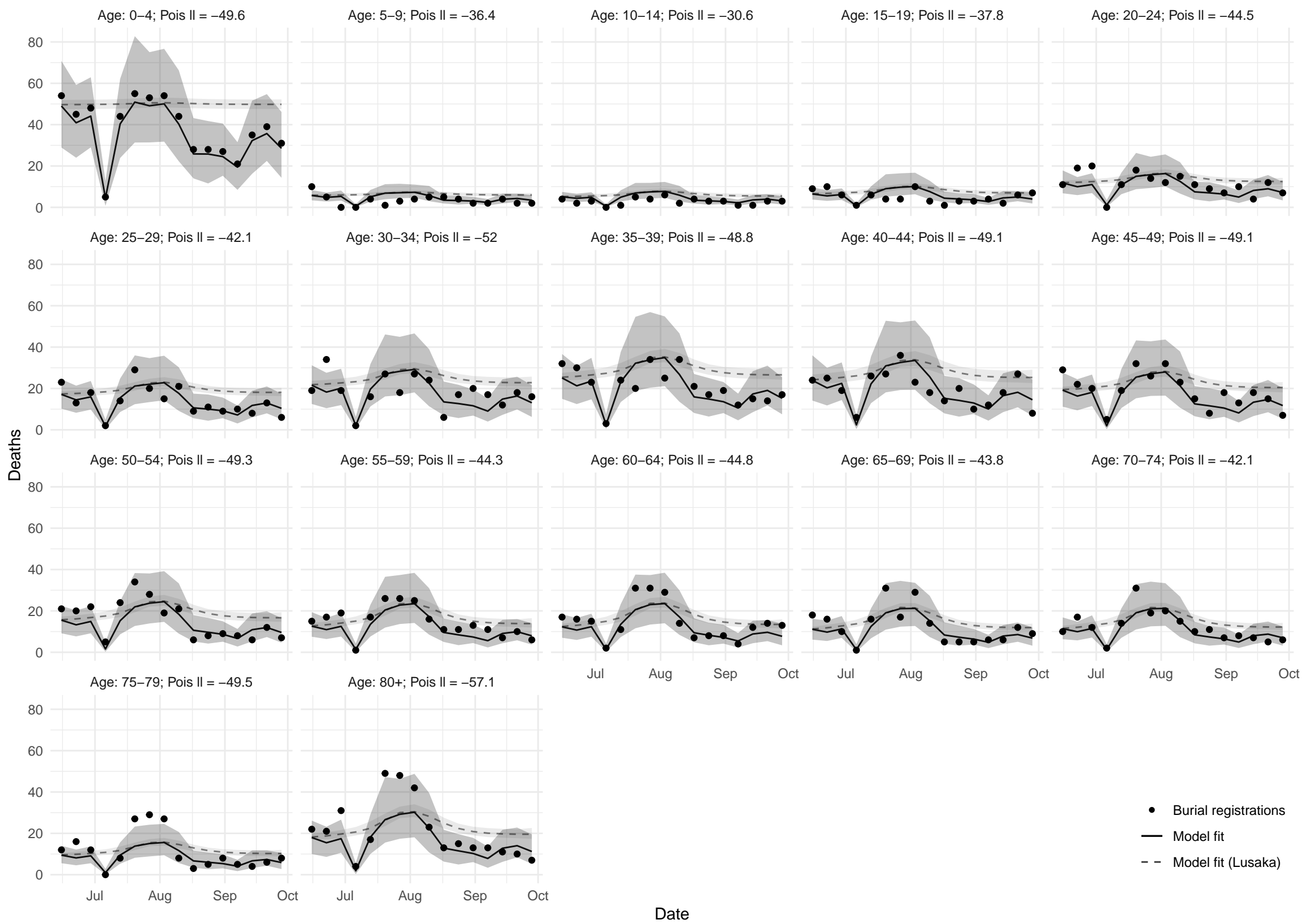
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

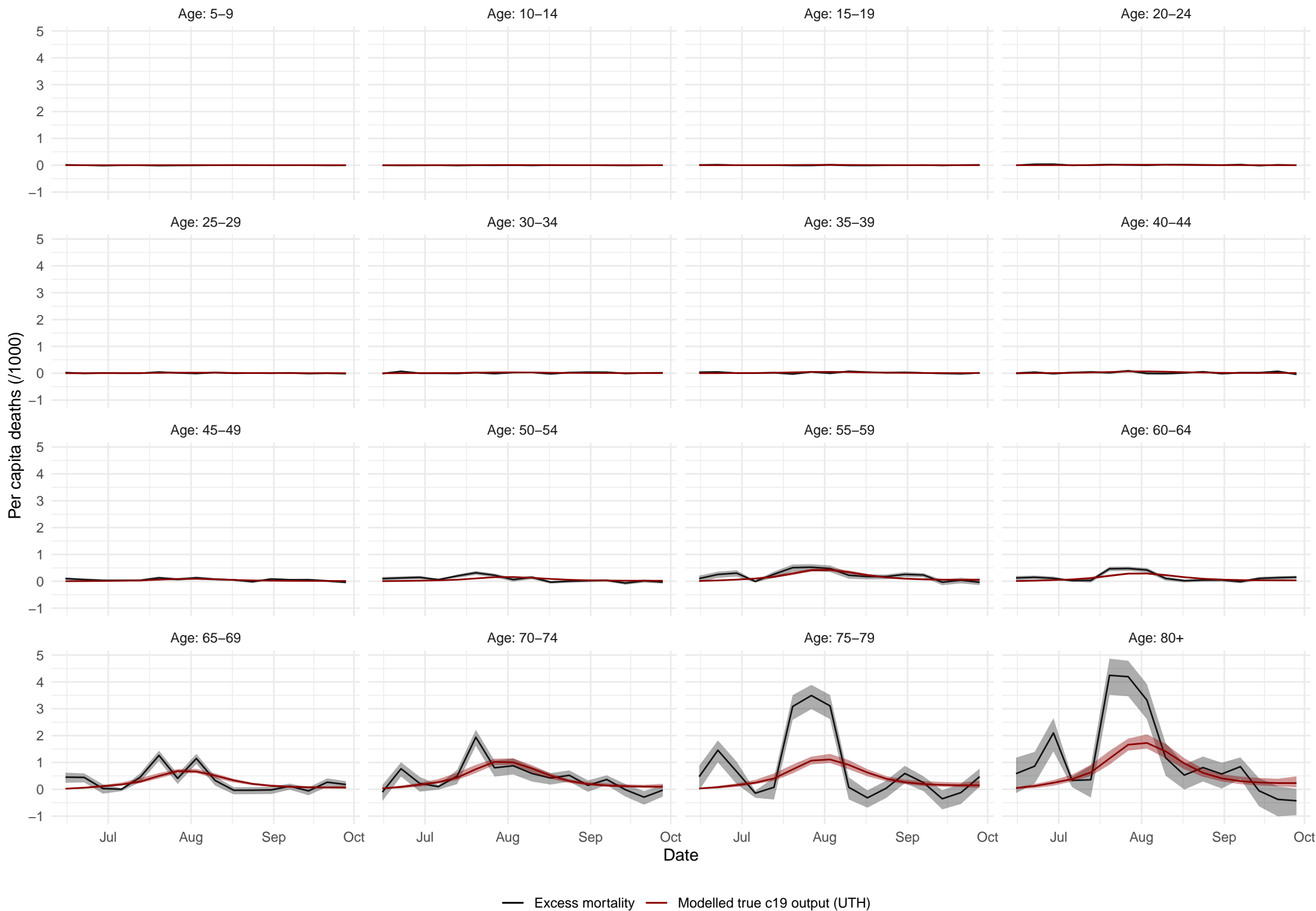


Modelled PCR %

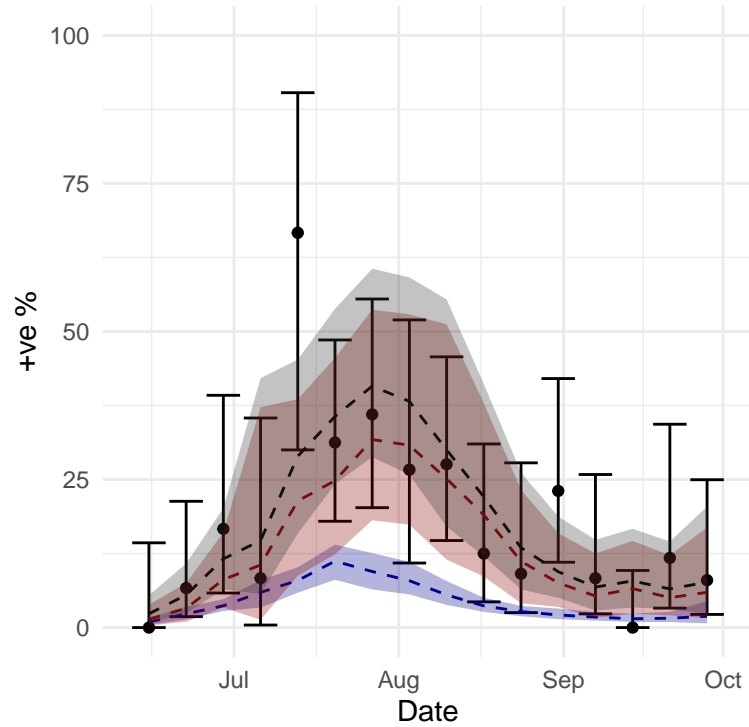




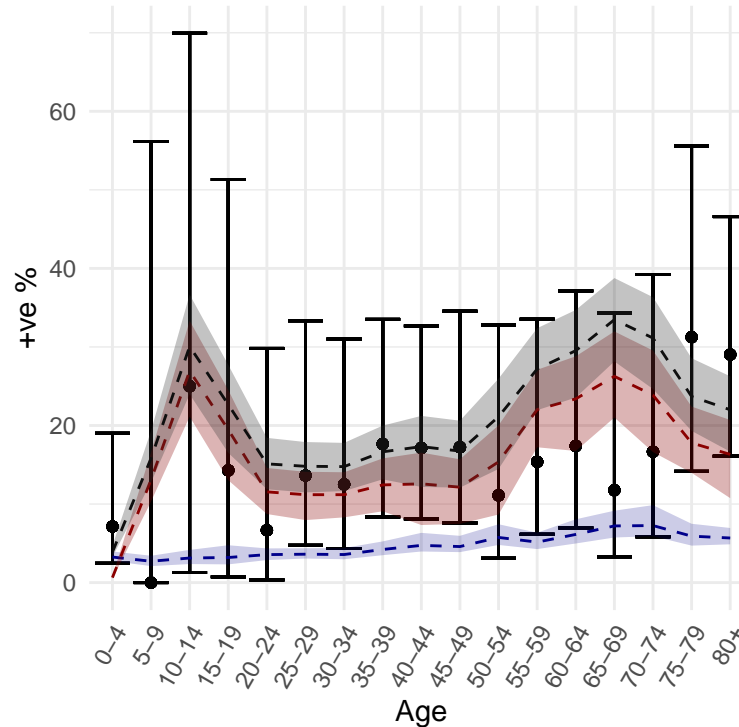
IFR x 0.6, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



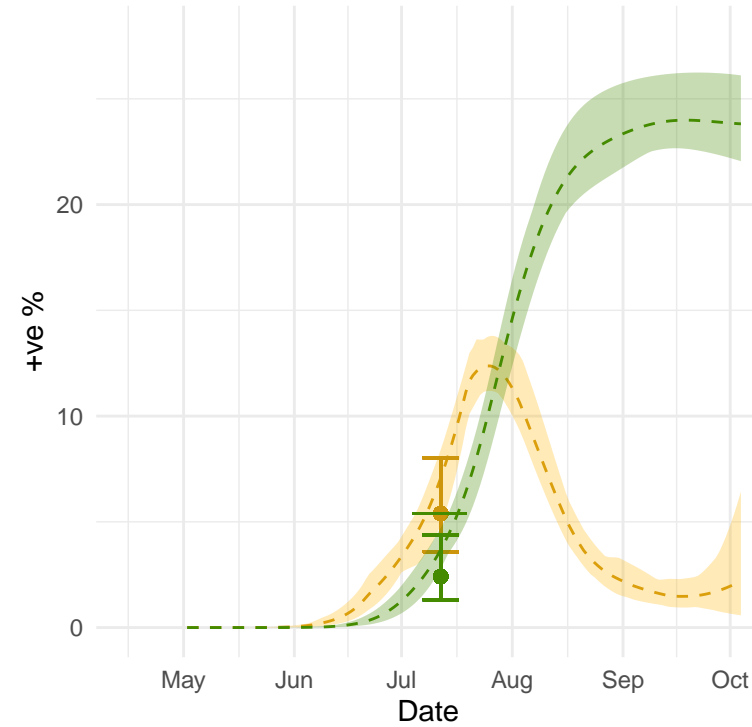
IFR x 0.8, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

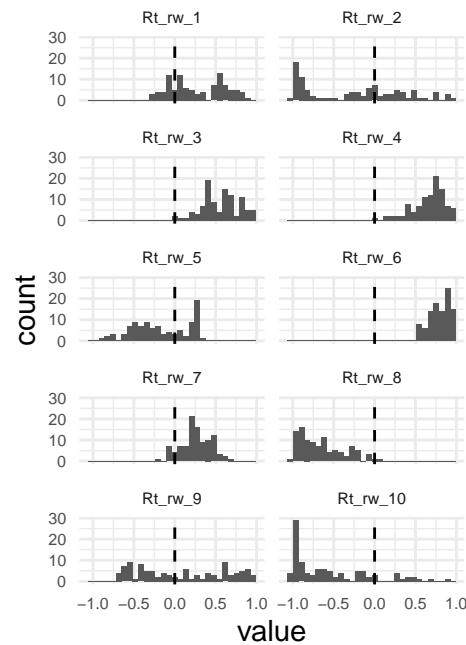
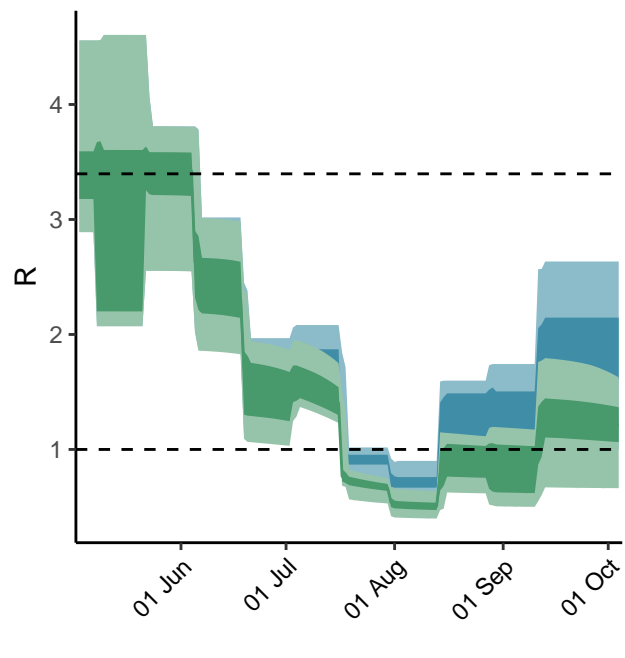


COVID-19 prevalence
 Lusaka/Zambia

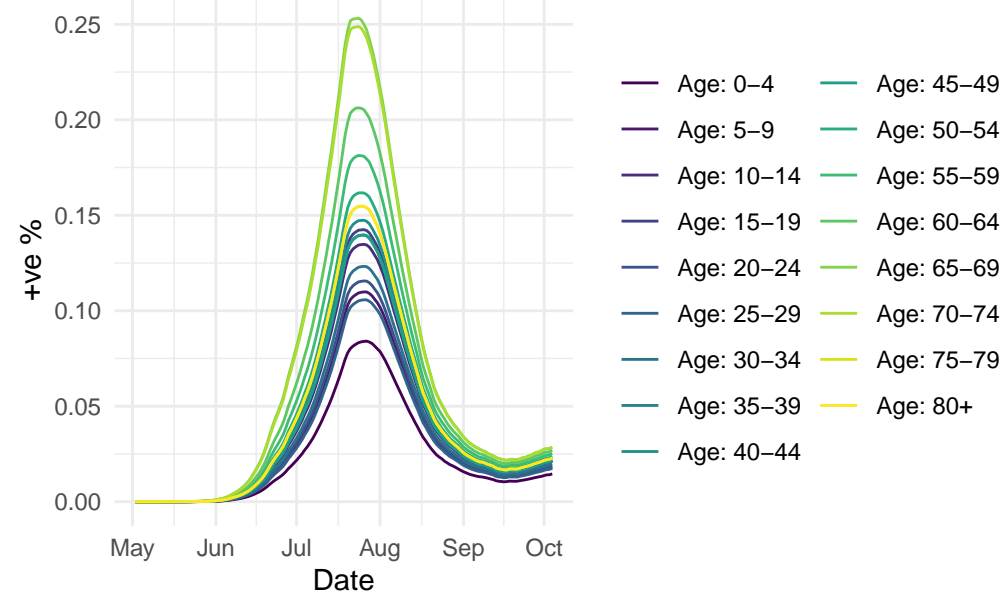


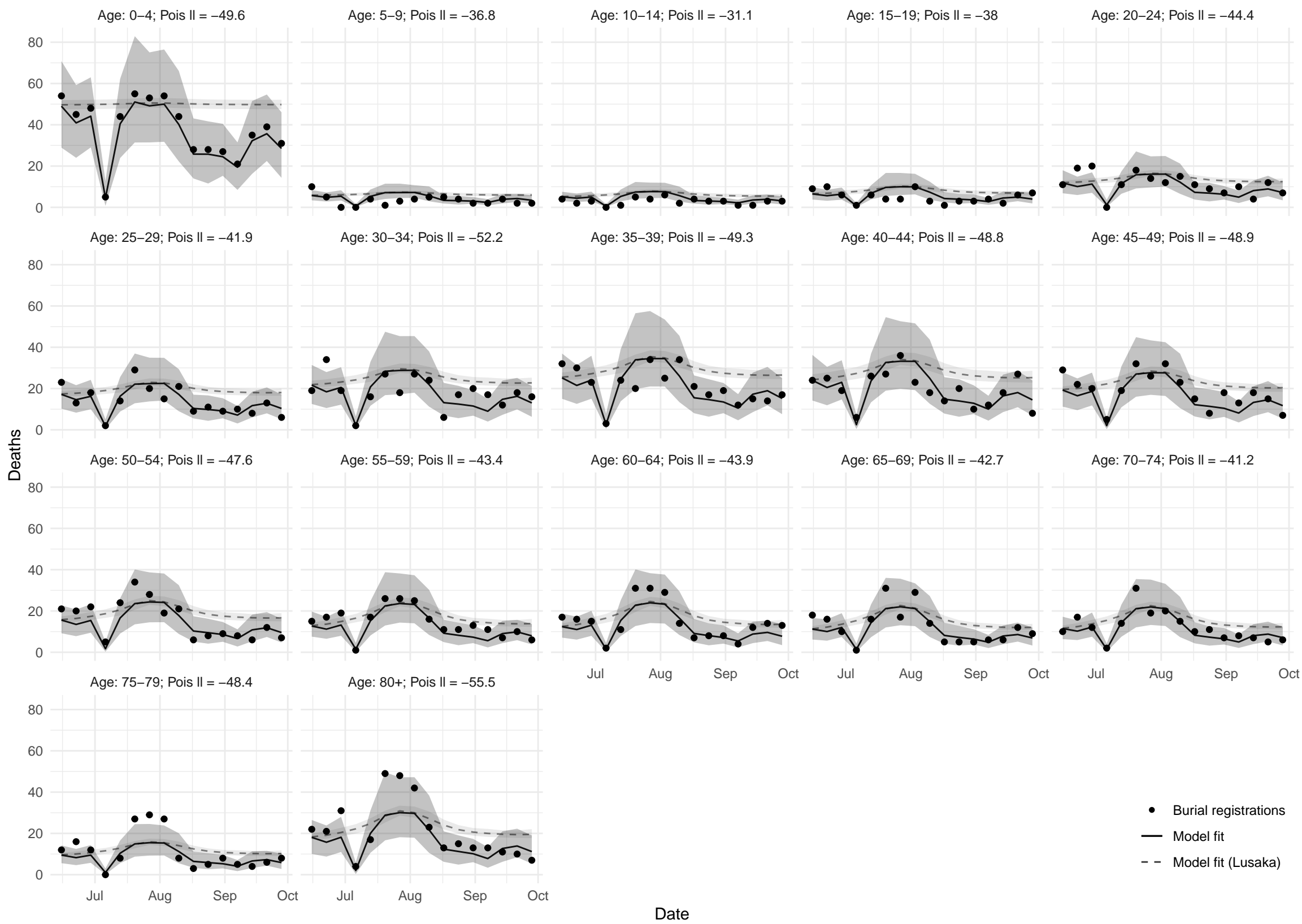
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

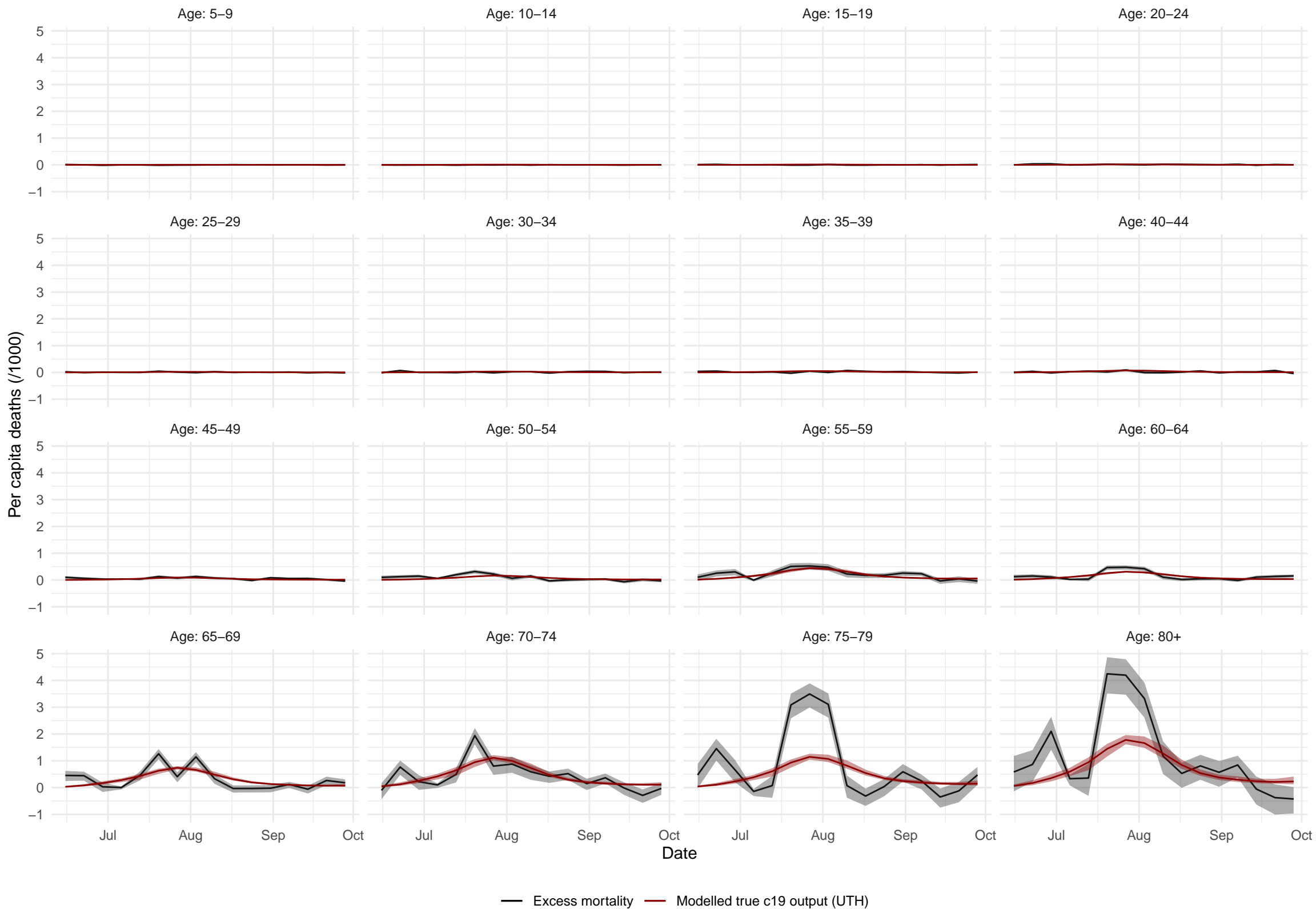


Modelled PCR %

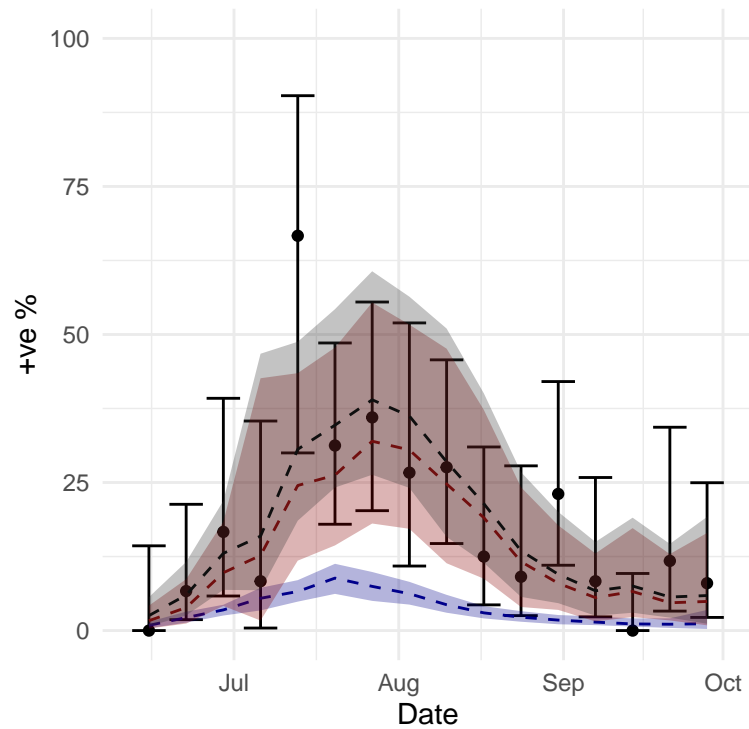




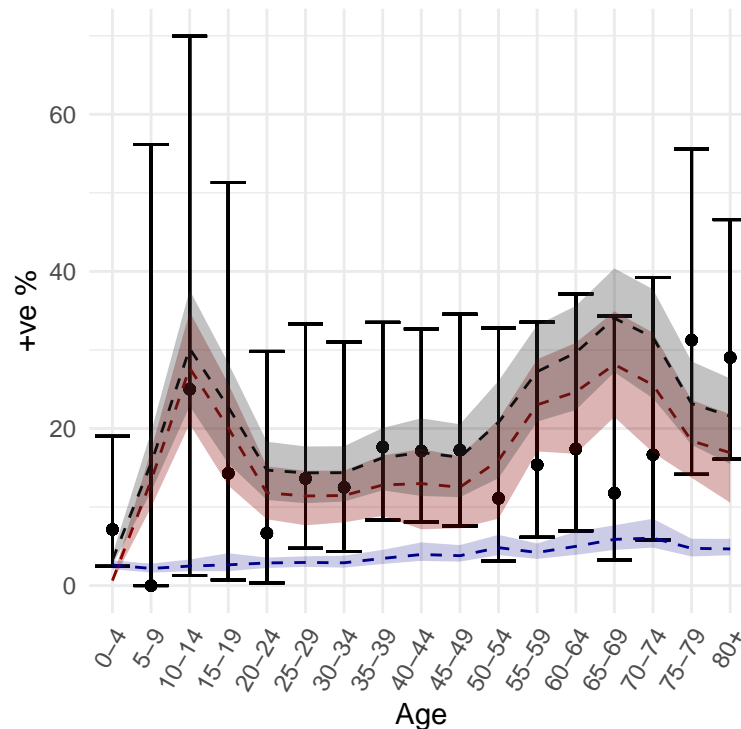
IFR x 0.8, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



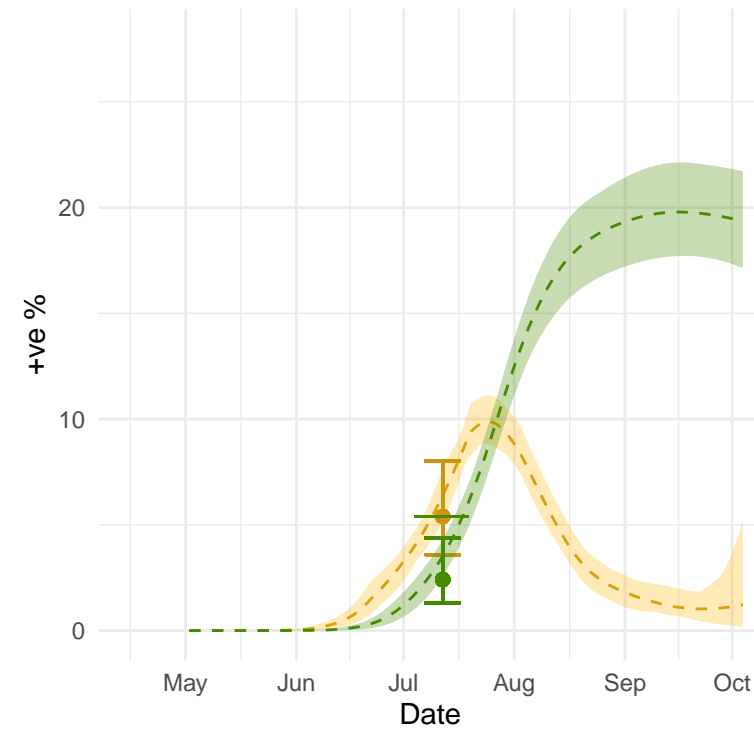
IFR x 1, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

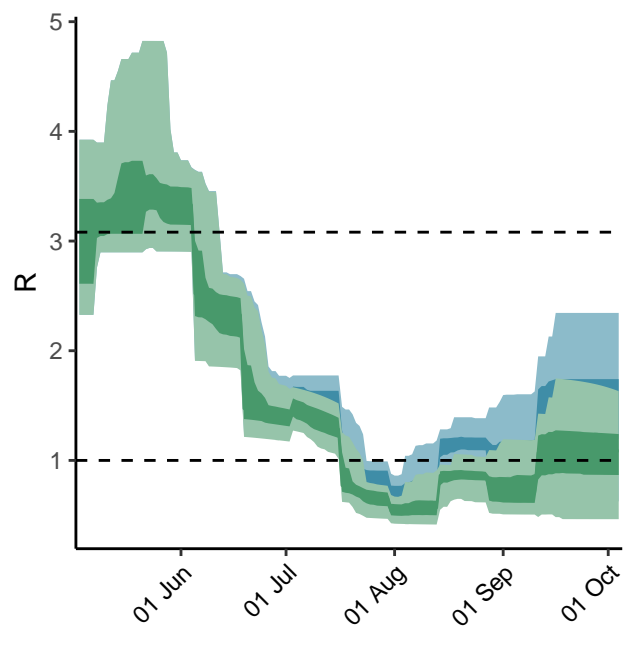


COVID-19 prevalence
 Lusaka/Zambia

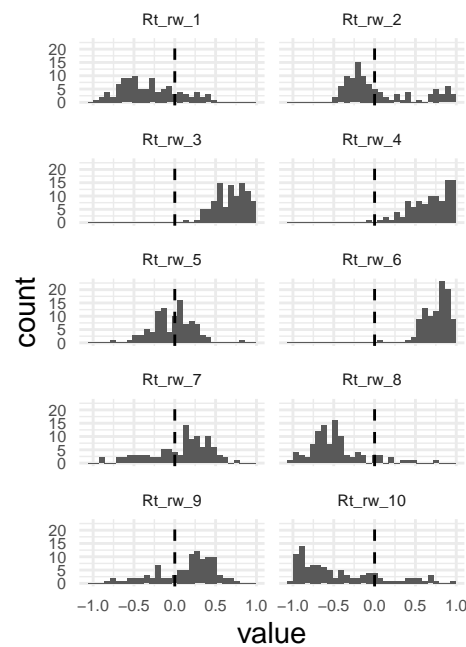


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

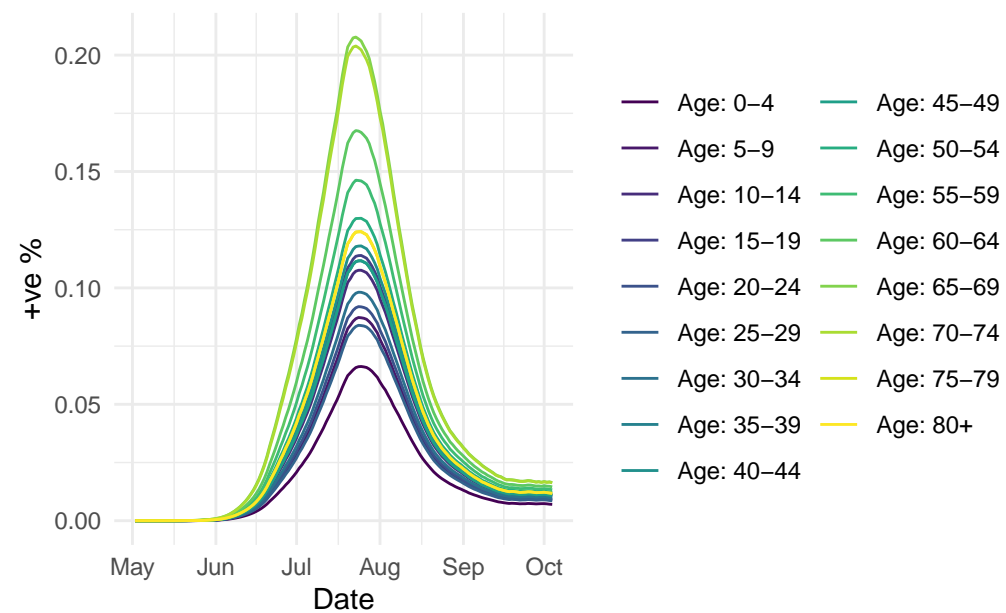
PCR % (Lusaka)
 Sero % (Lusaka)

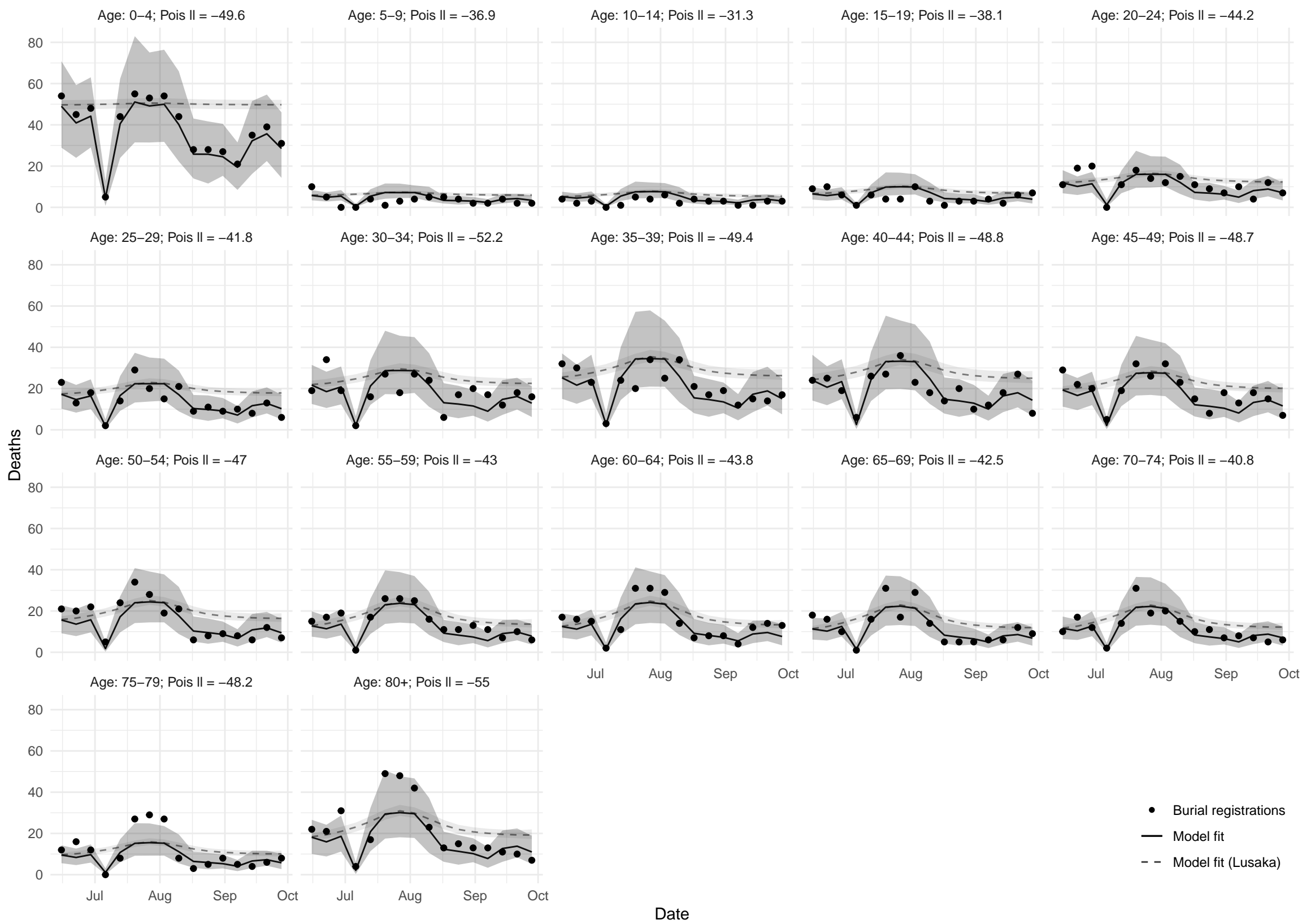


Reff
 Rt

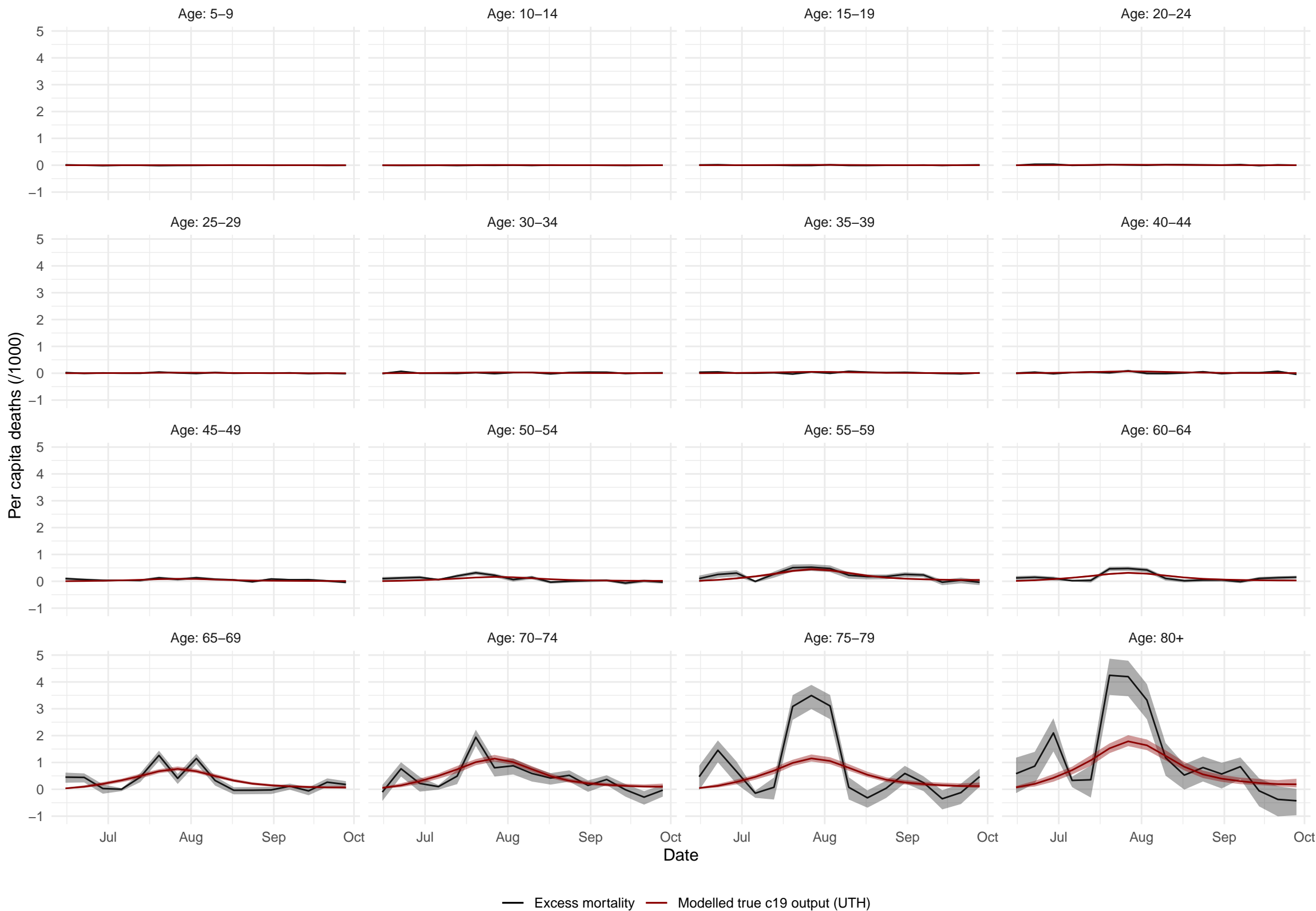


Modelled PCR %

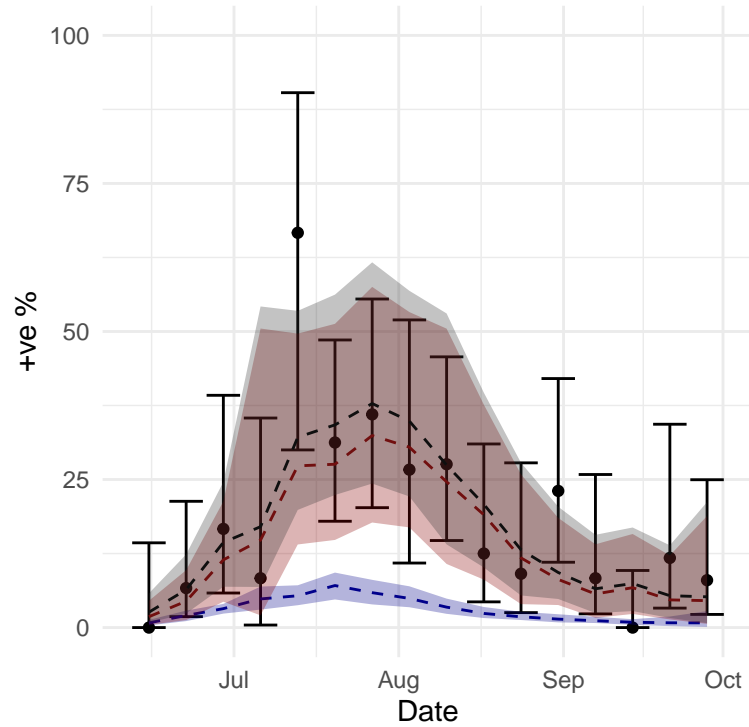




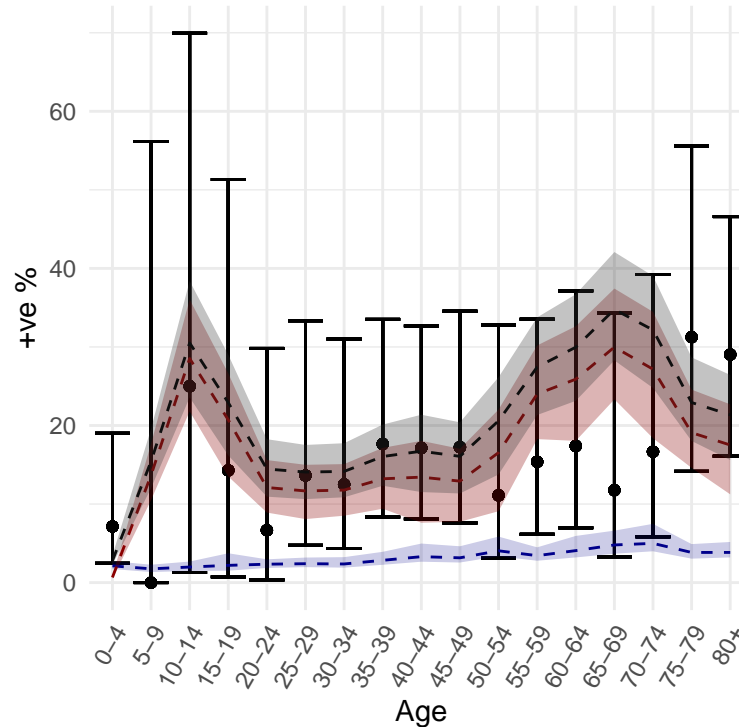
IFR x 1, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



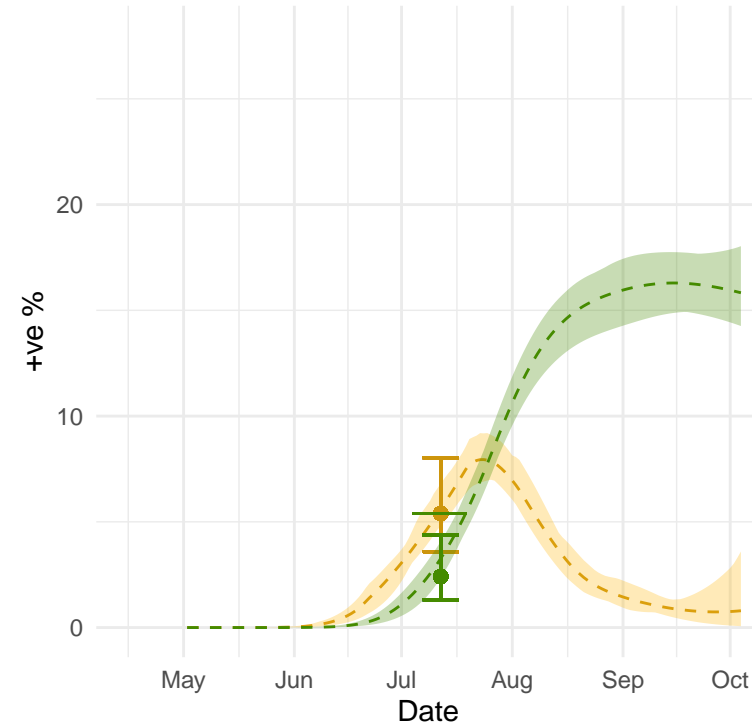
IFR x 1.25, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

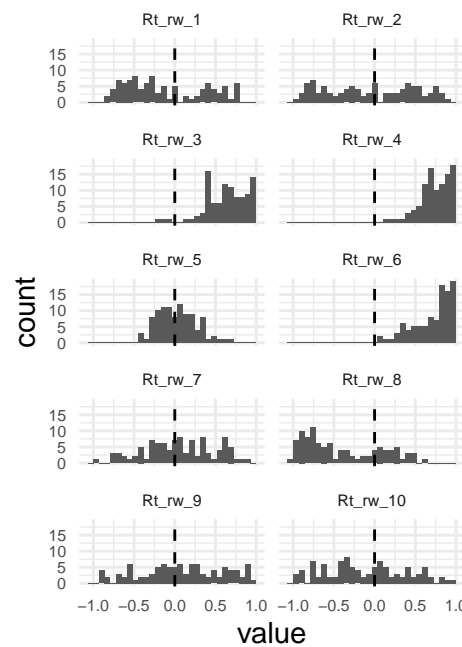
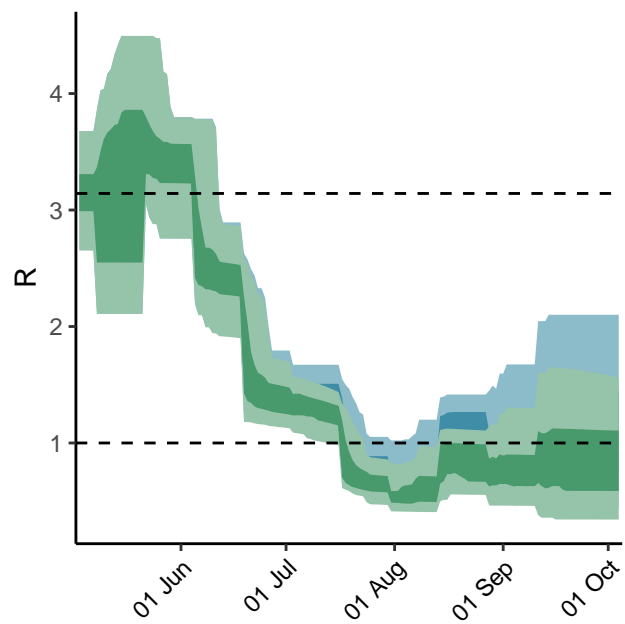


COVID-19 prevalence
 Lusaka/Zambia

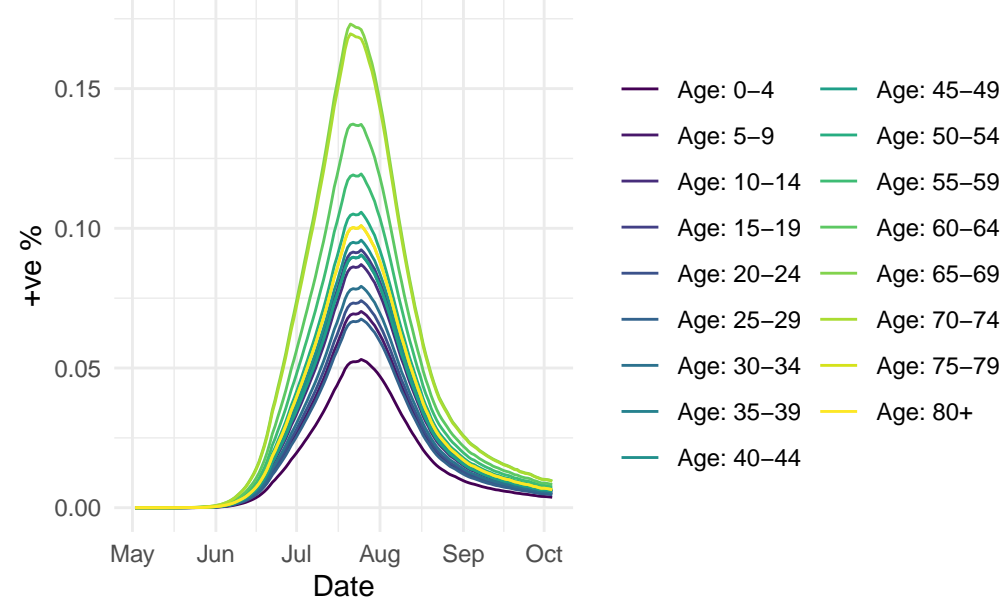


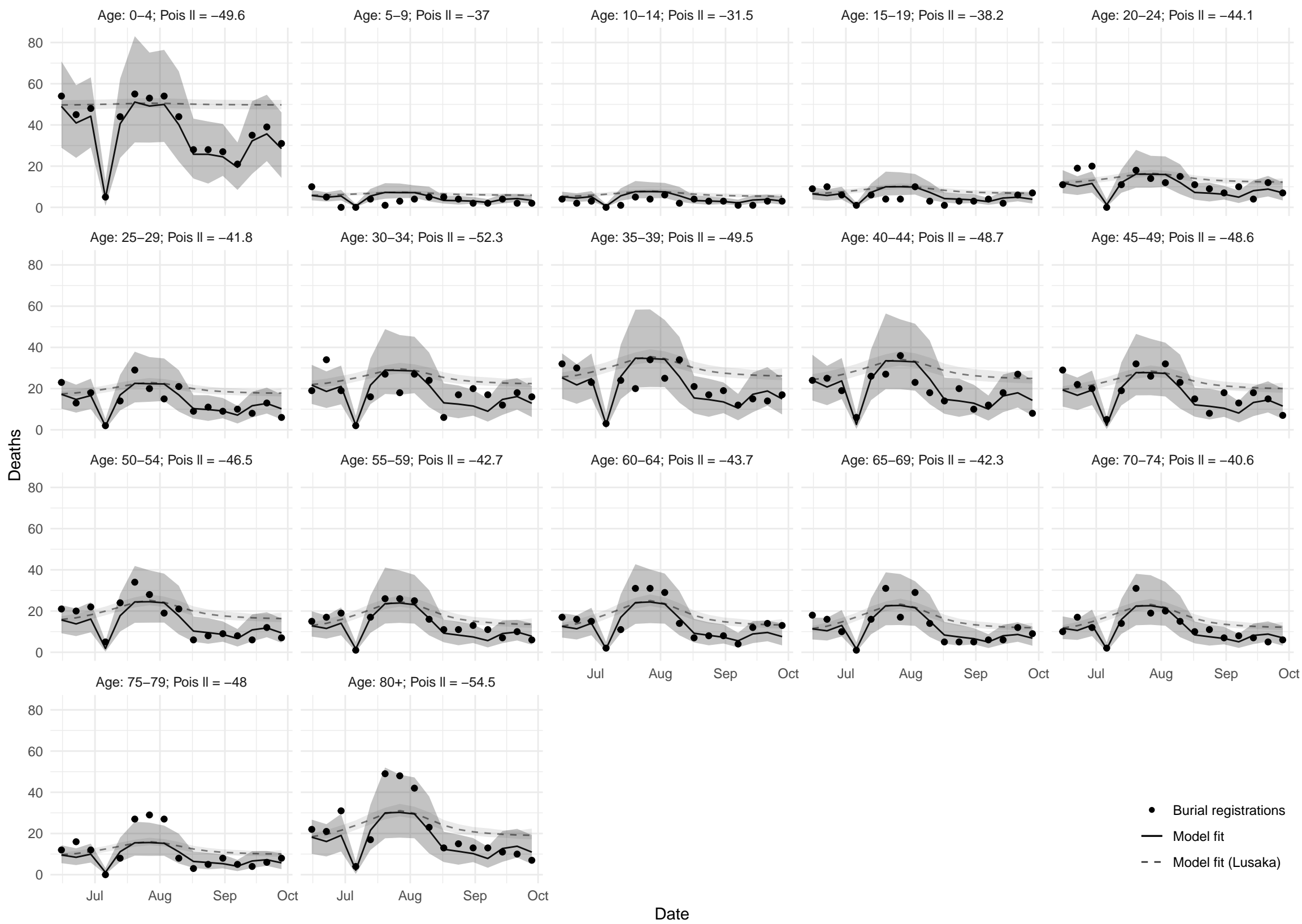
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

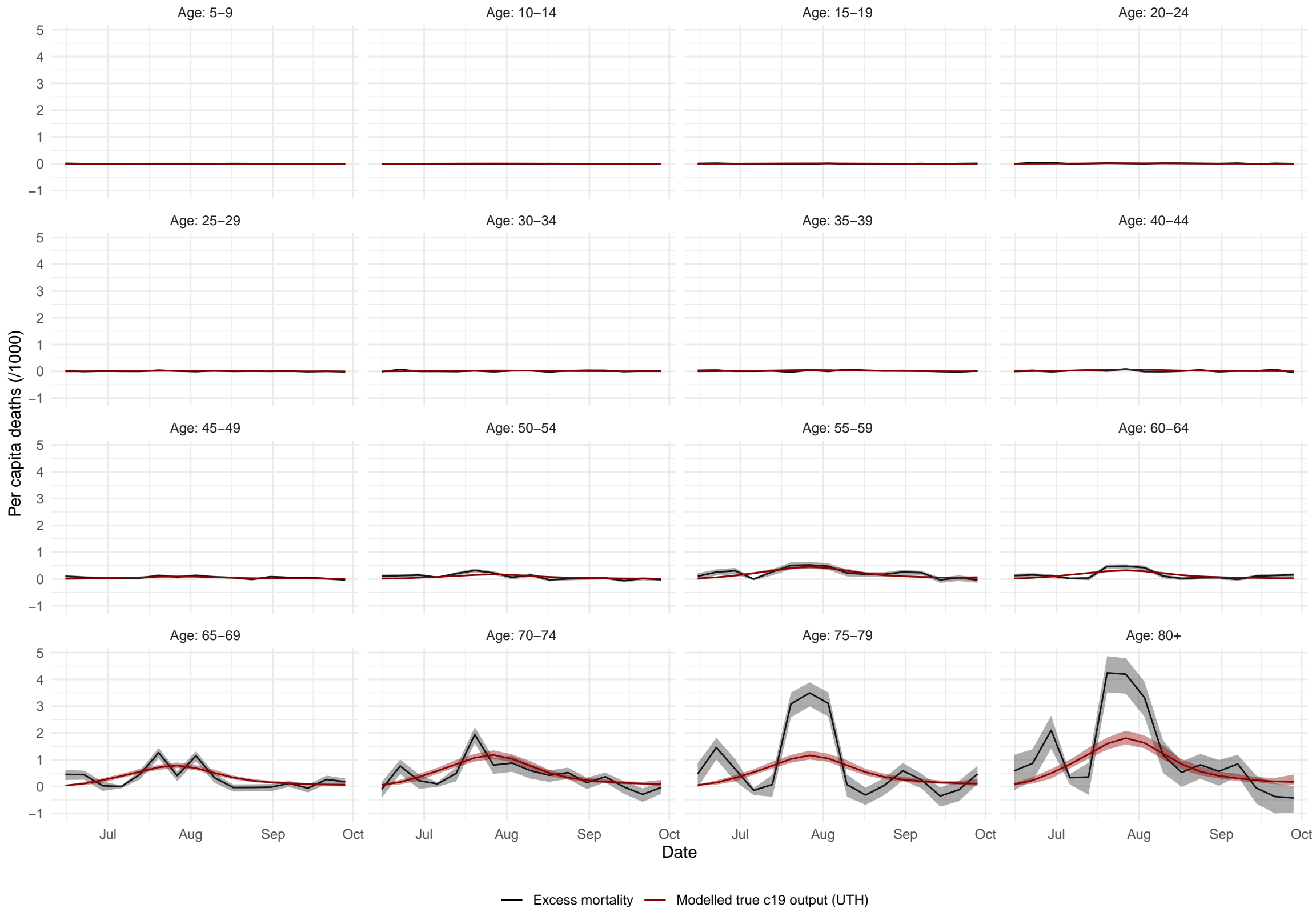


Modelled PCR %

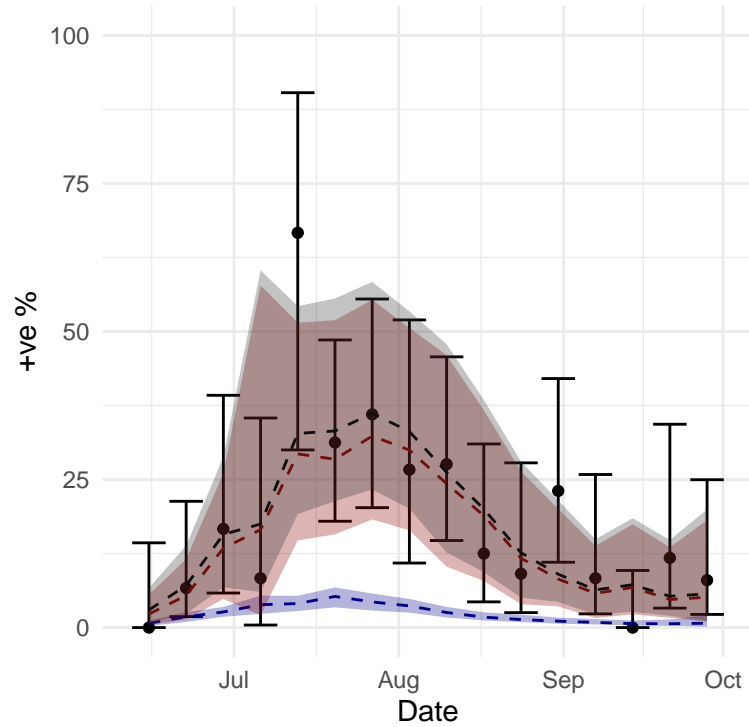




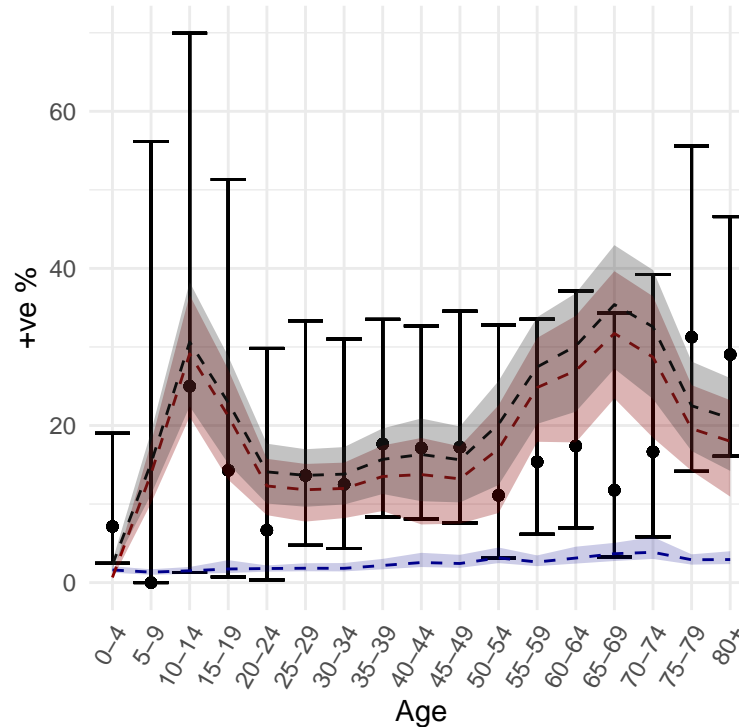
IFR x 1.25, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



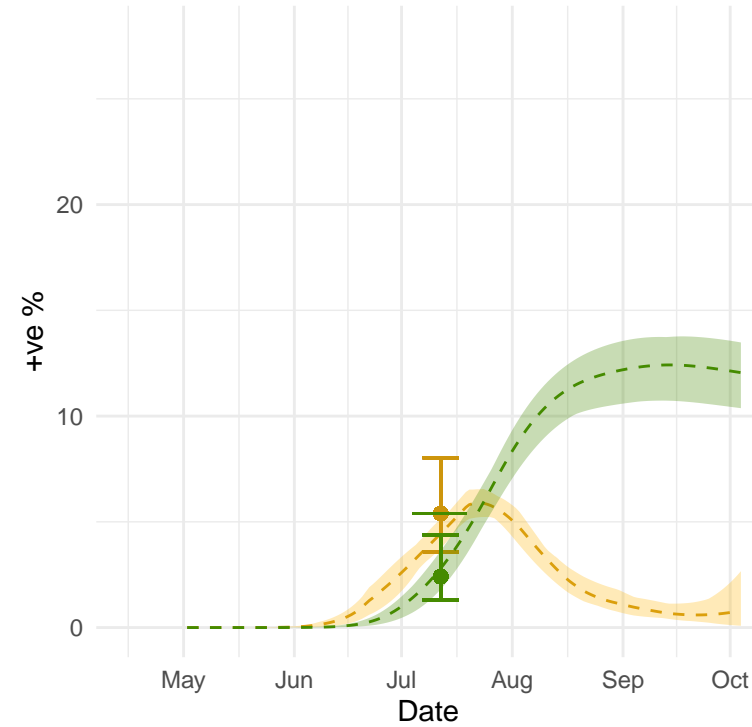
IFR x 1.67, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

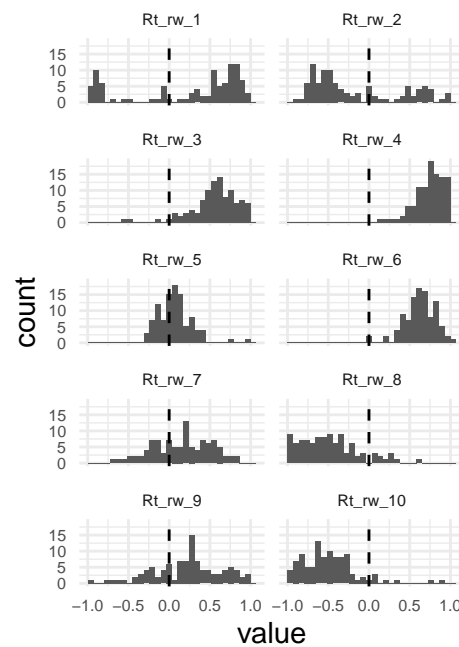
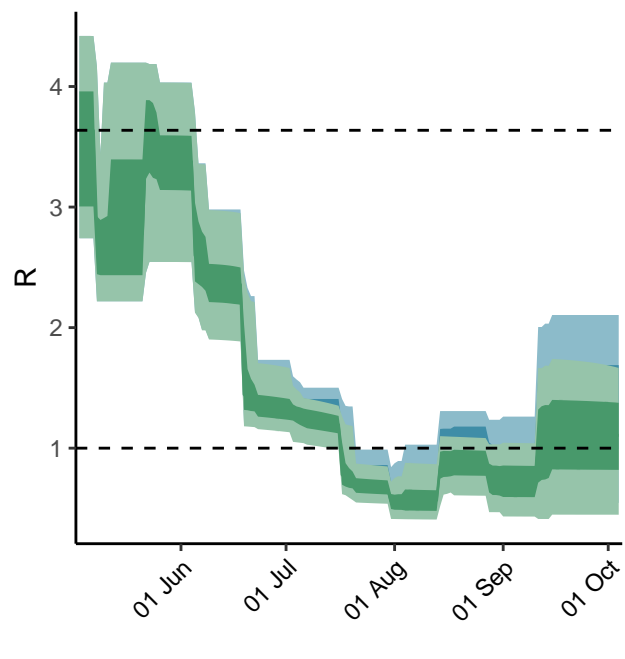


COVID-19 prevalence
 Lusaka/Zambia

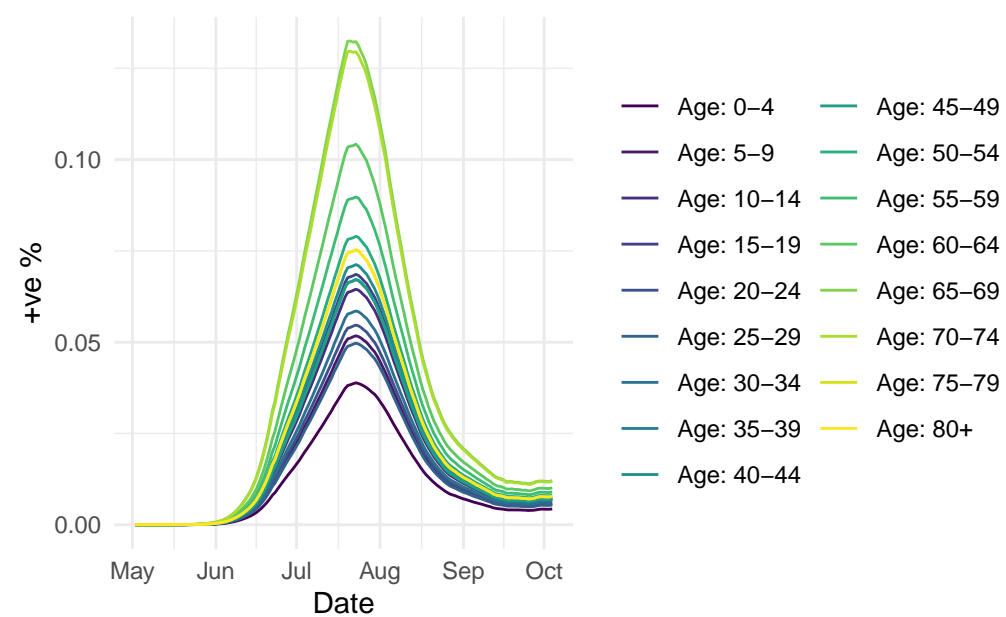


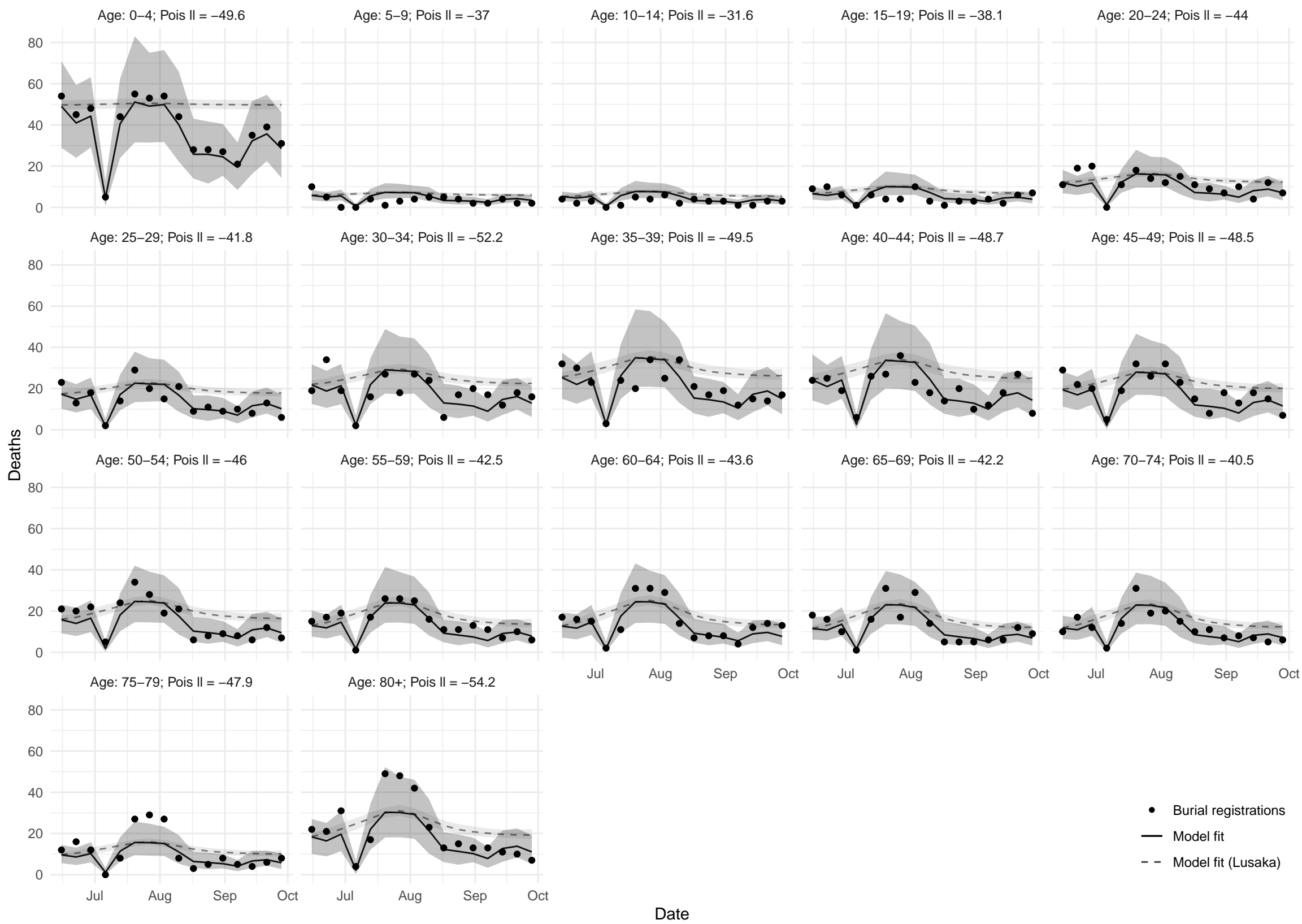
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

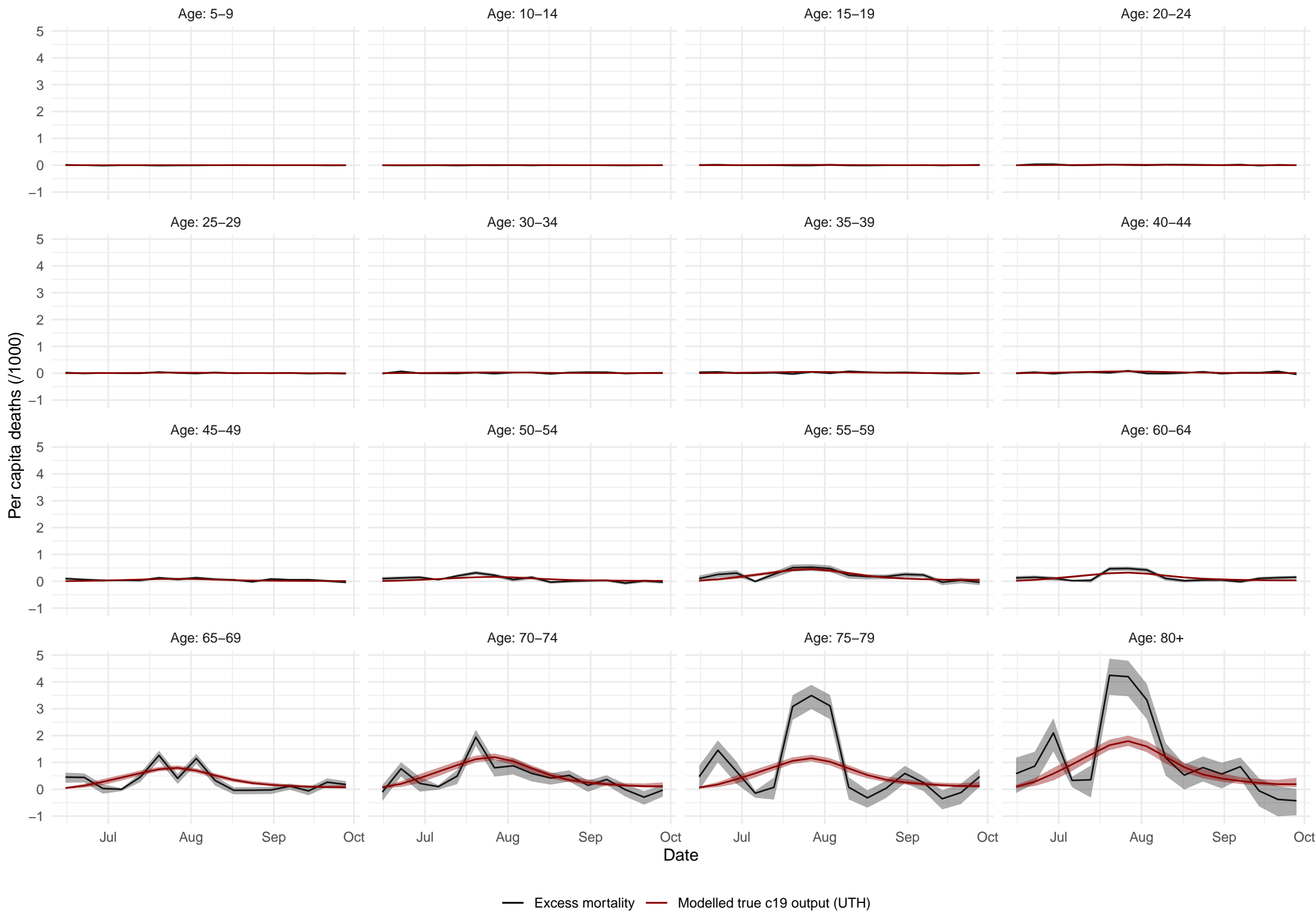


Modelled PCR %

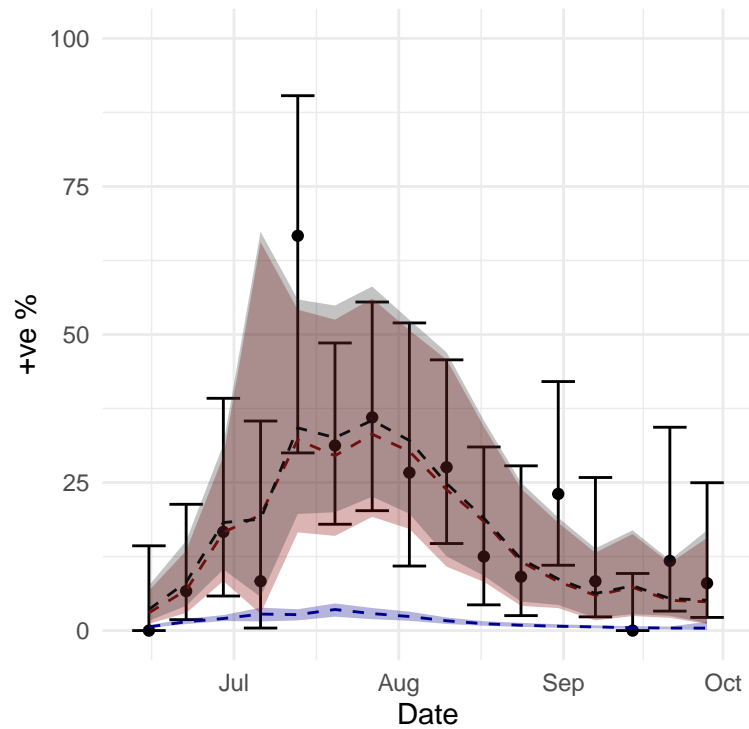




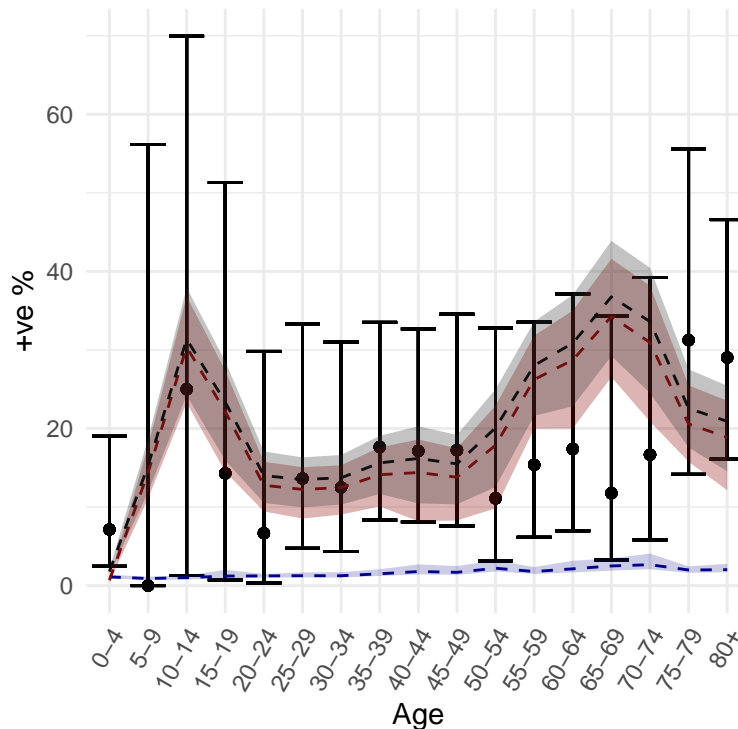
IFR x 1.67, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



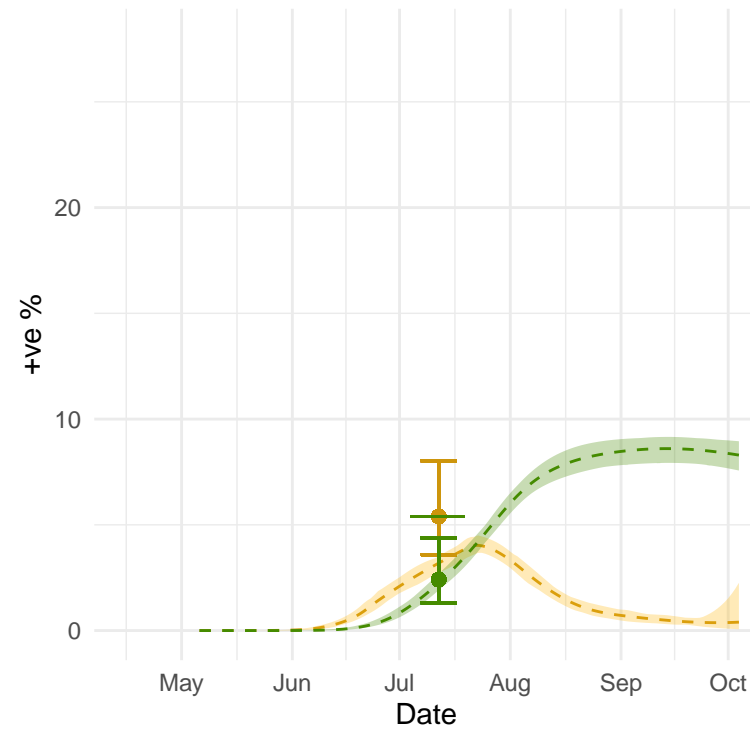
IFR x 2.5, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

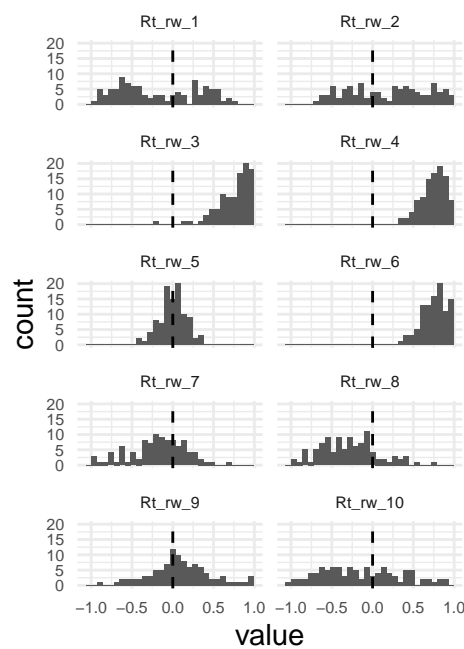
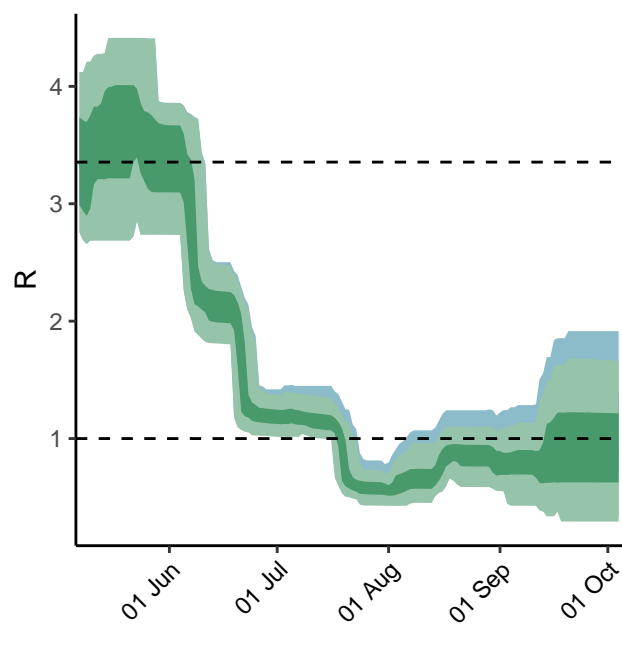


COVID-19 prevalence
 Lusaka/Zambia

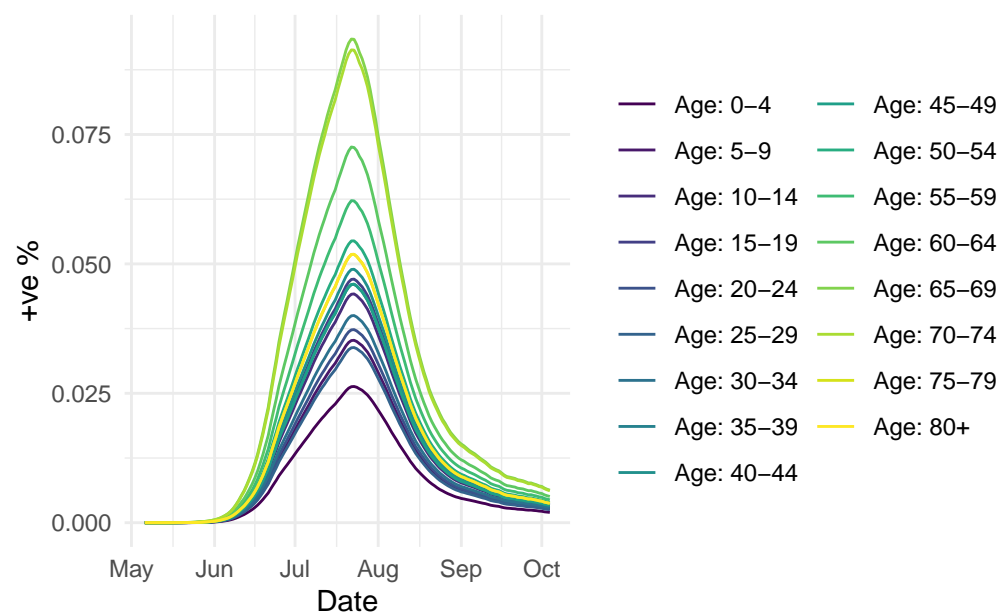


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

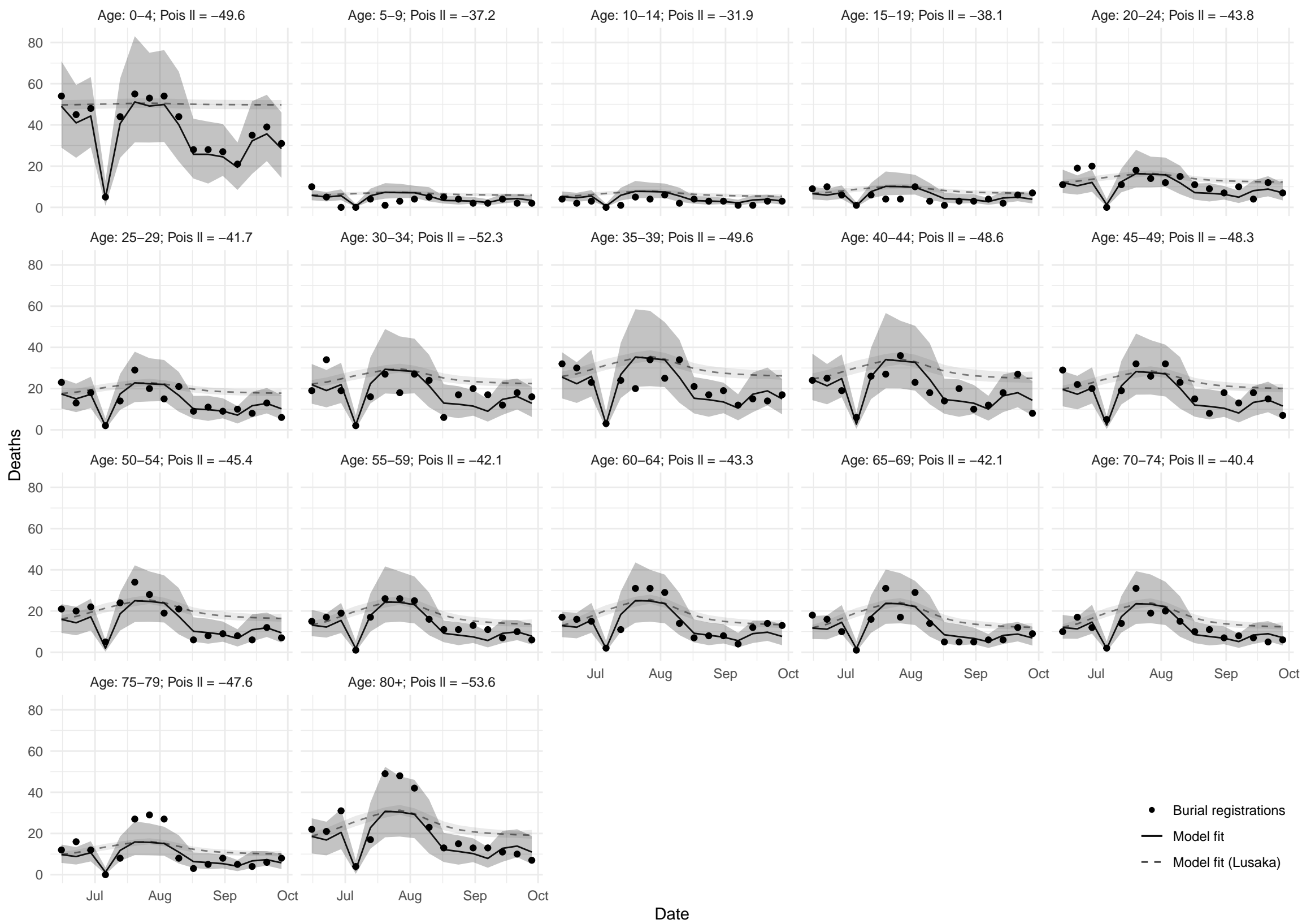
PCR % (Lusaka)
 Sero % (Lusaka)



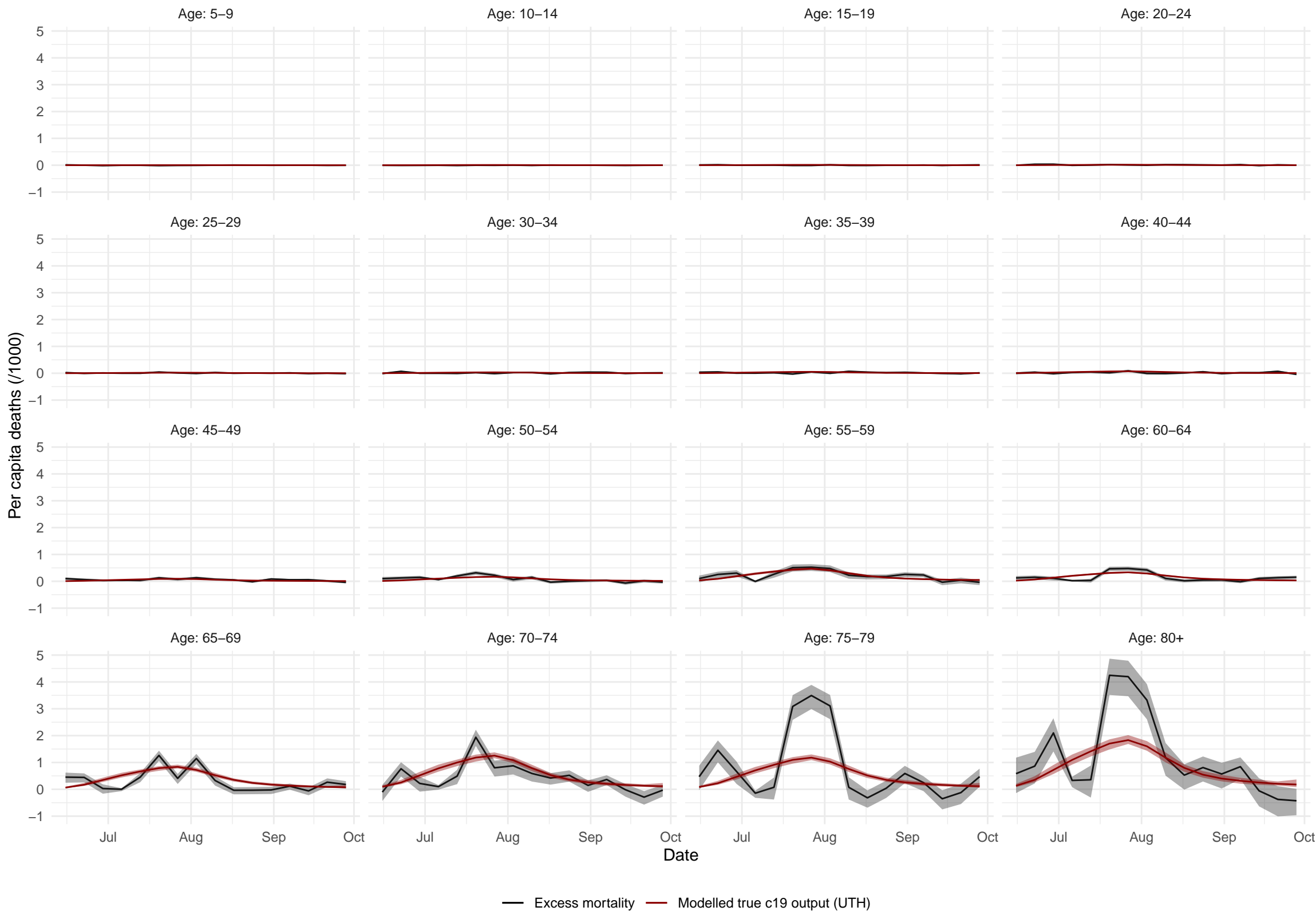
Modelled PCR %



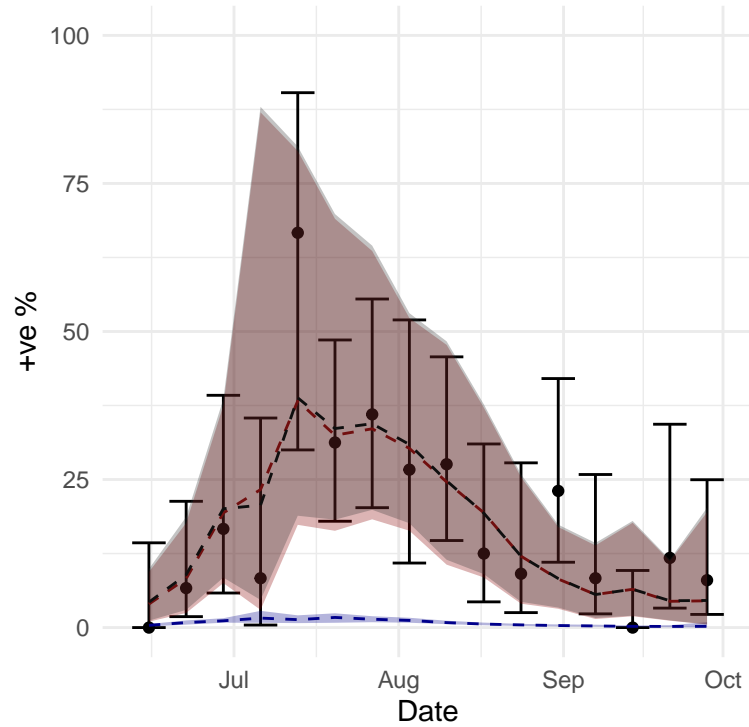
IFR x2.5, Slope x0.8
Lusaka weekly burial registrations



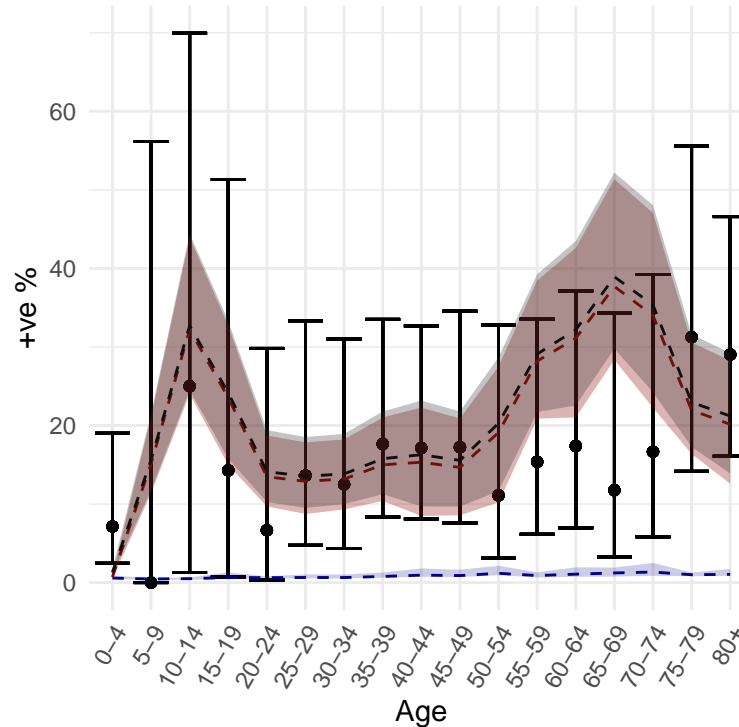
IFR x 2.5, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



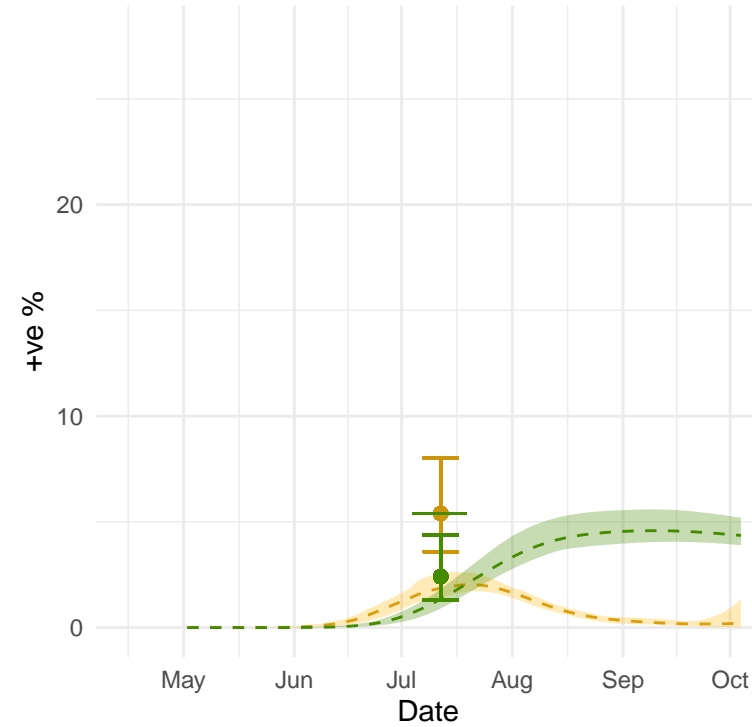
IFR x 5, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

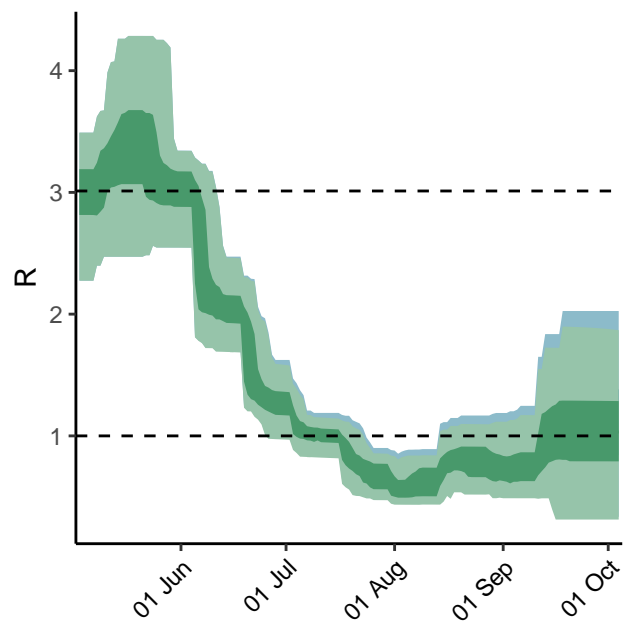


COVID-19 prevalence
 Lusaka/Zambia

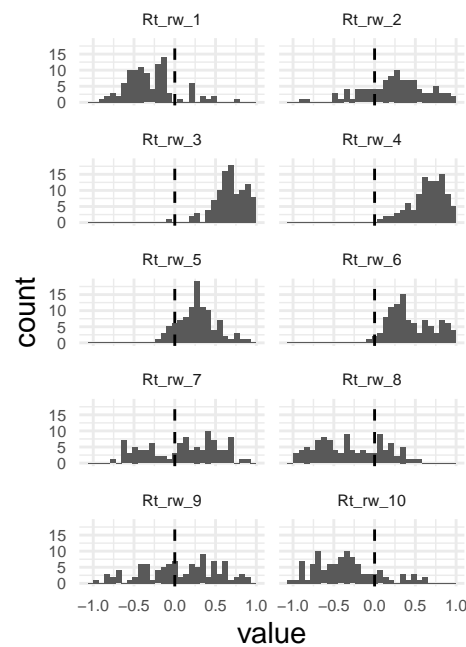


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

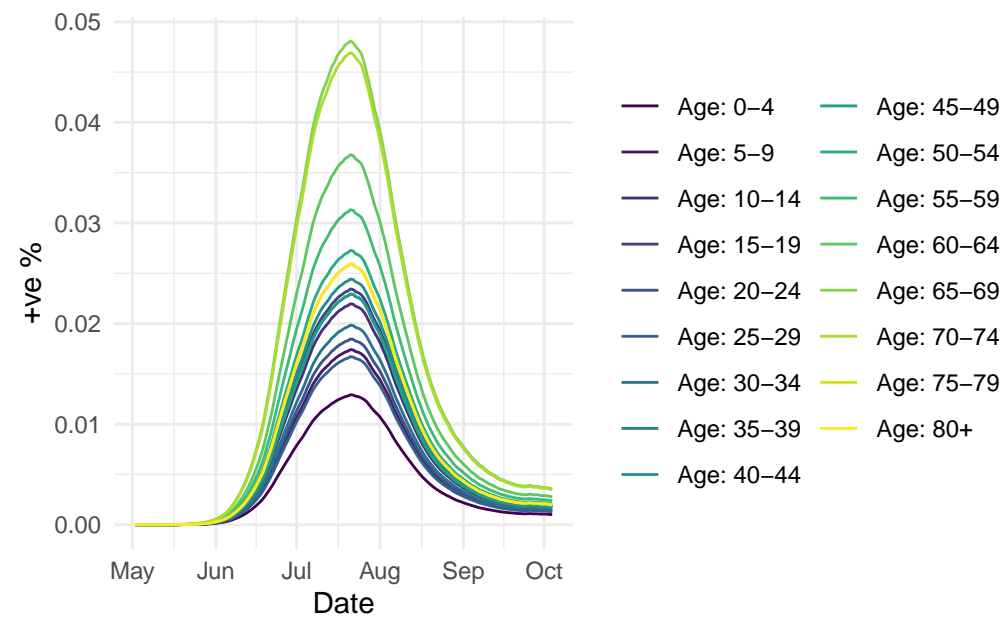
PCR % (Lusaka)
 Sero % (Lusaka)



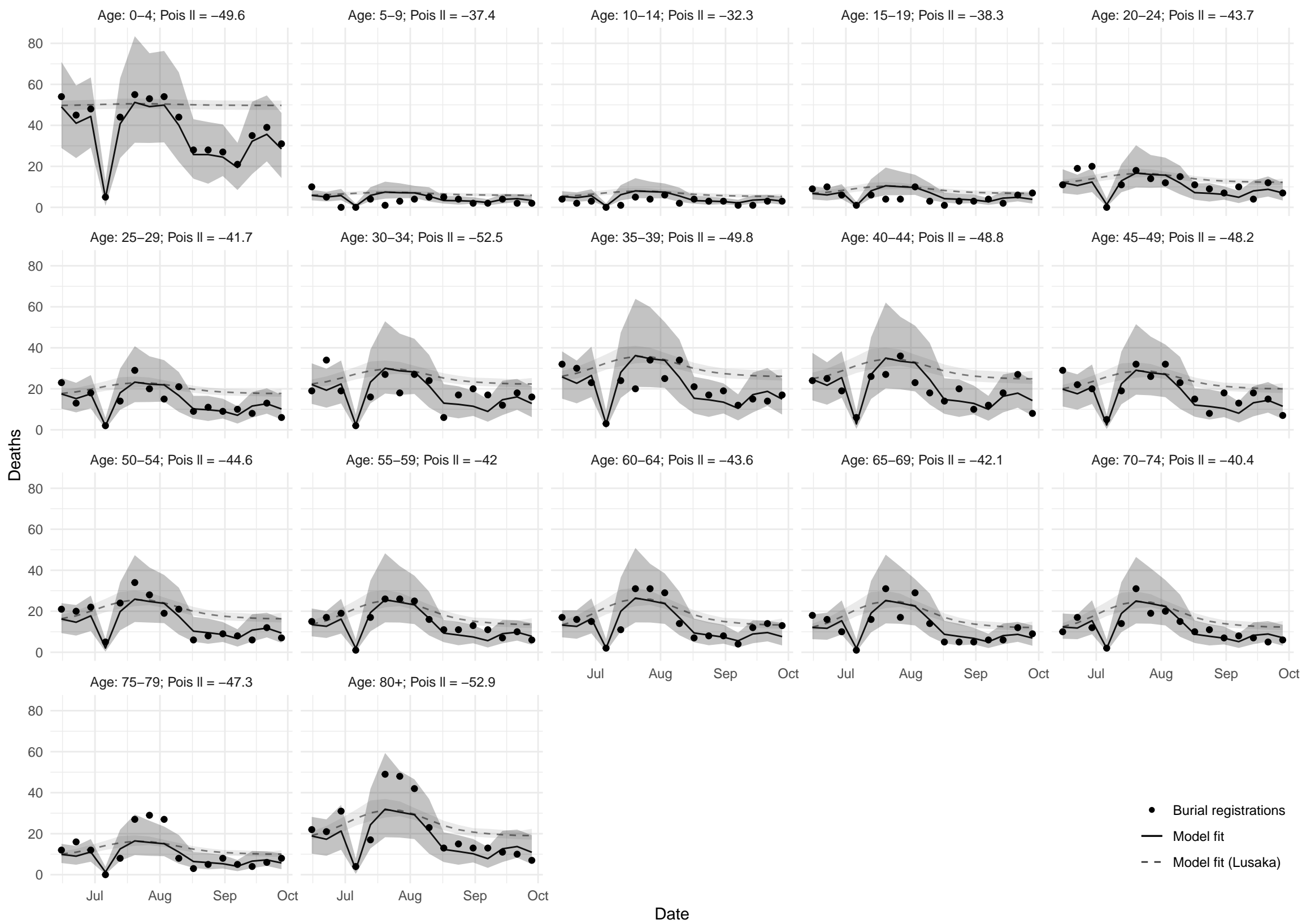
Reff
 Rt



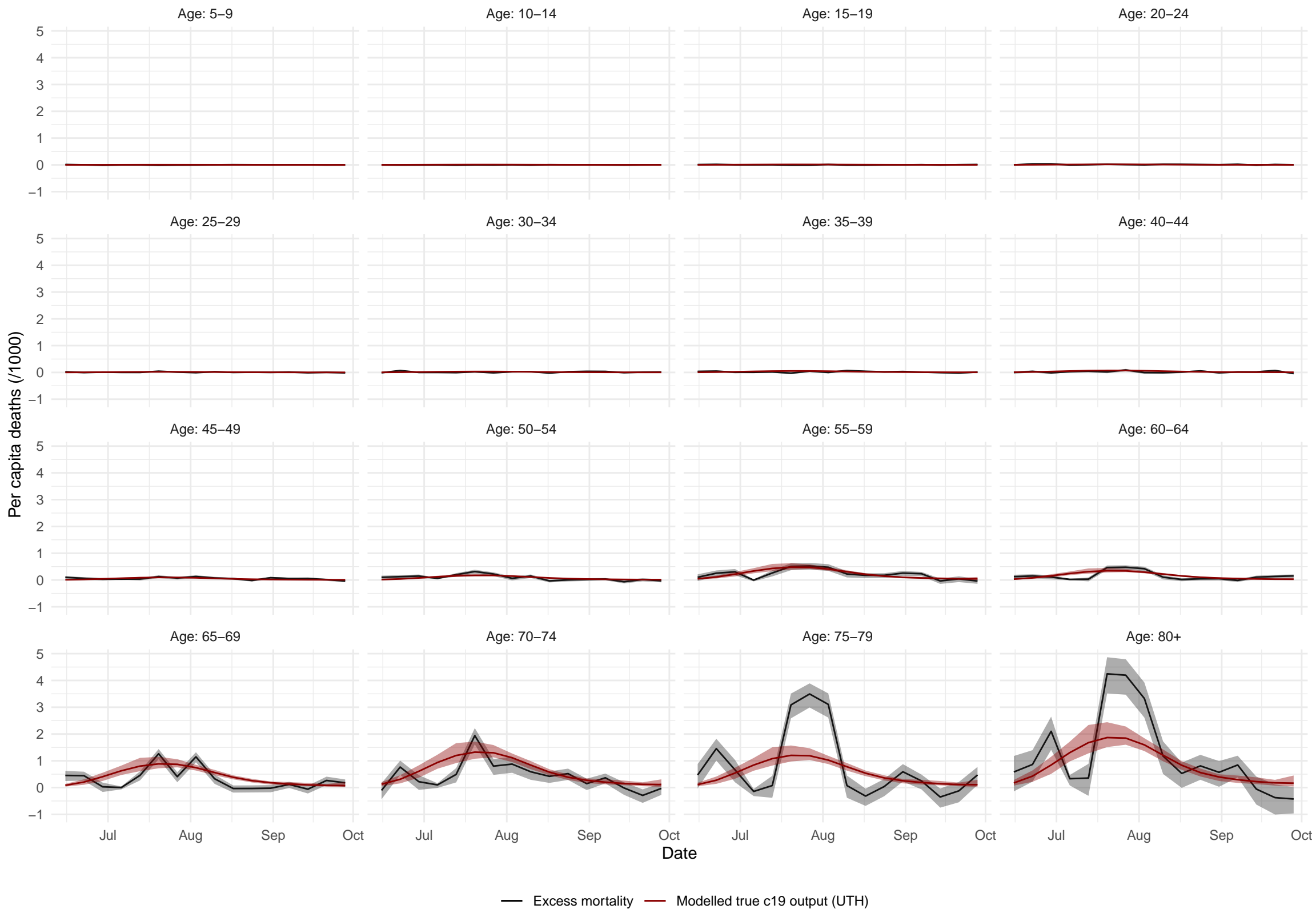
Modelled PCR %



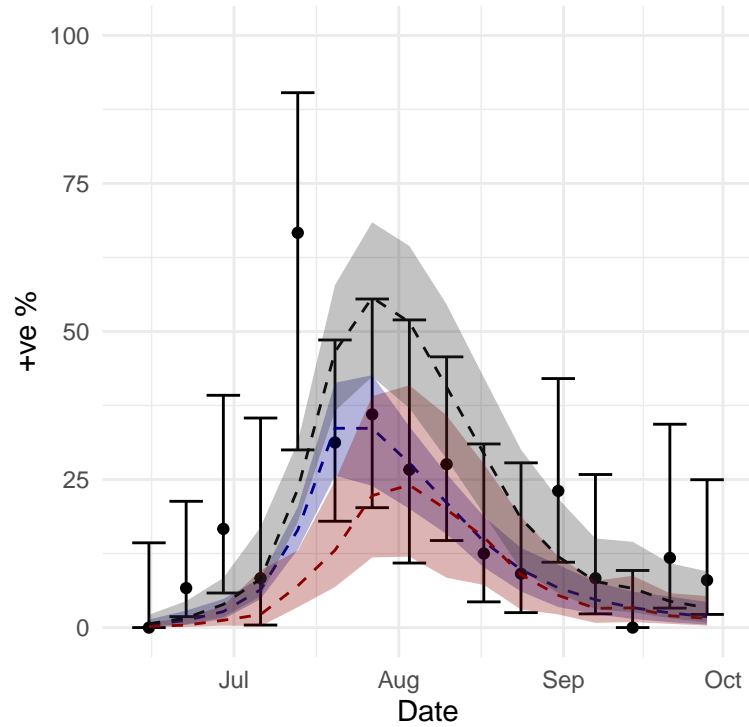
IFR x5, Slope x0.8
Lusaka weekly burial registrations



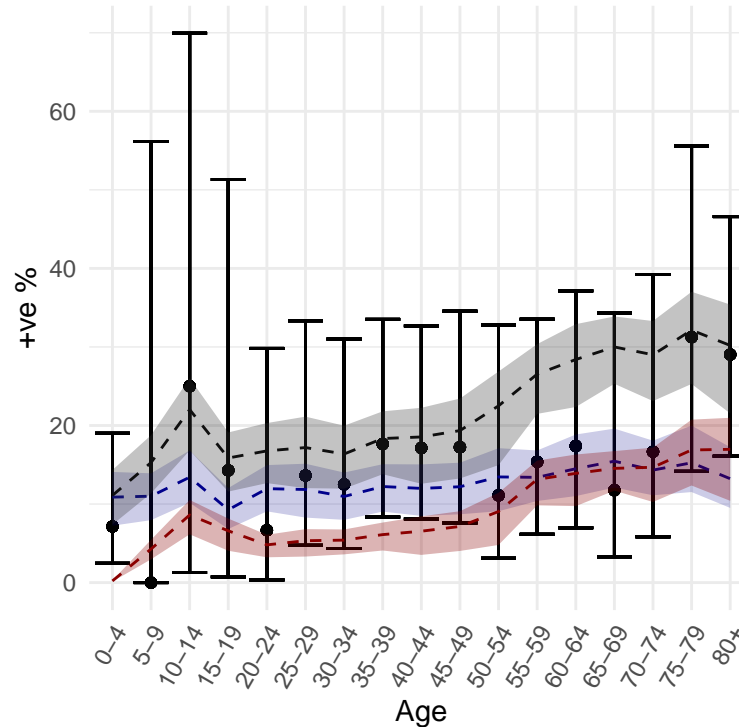
IFR x 5, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



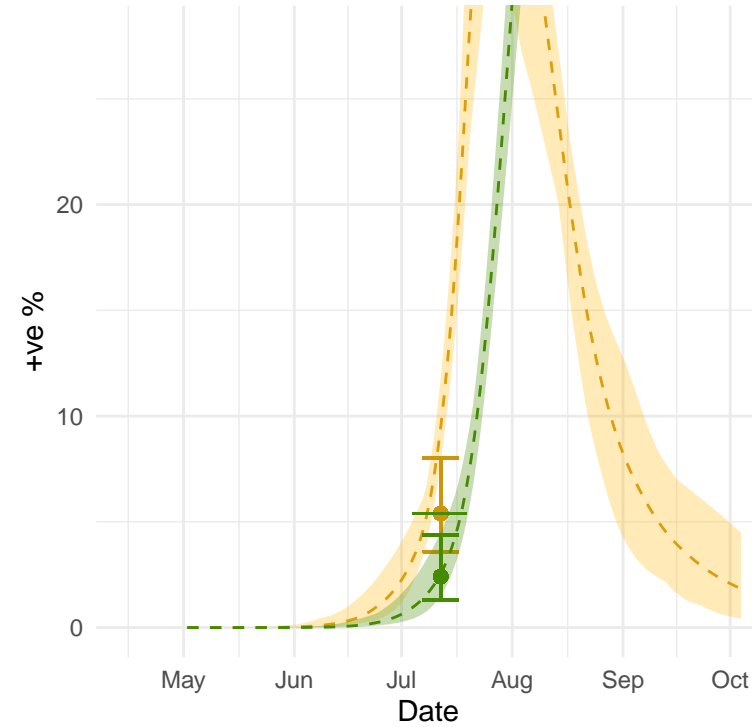
IFR x 0.2, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

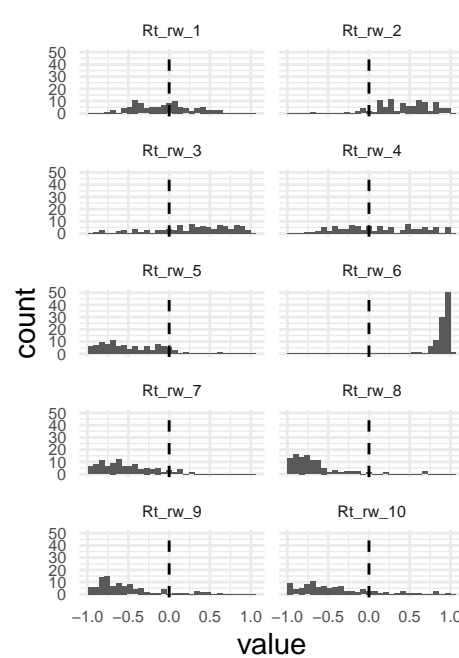
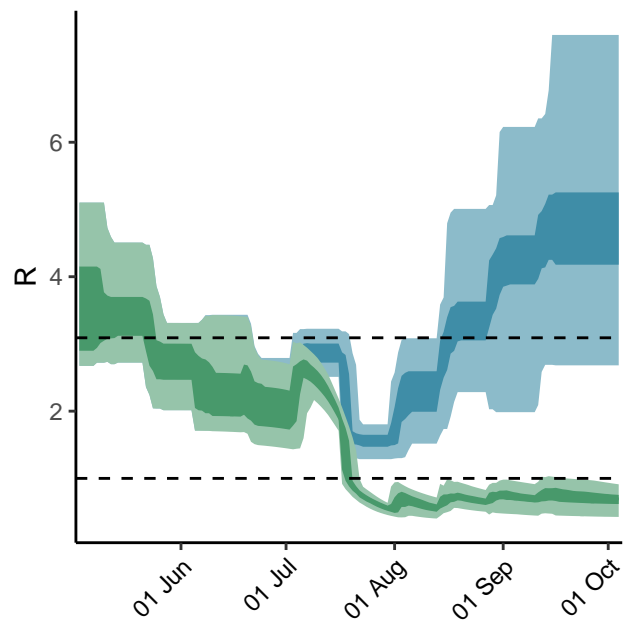


COVID-19 prevalence
 Lusaka/Zambia

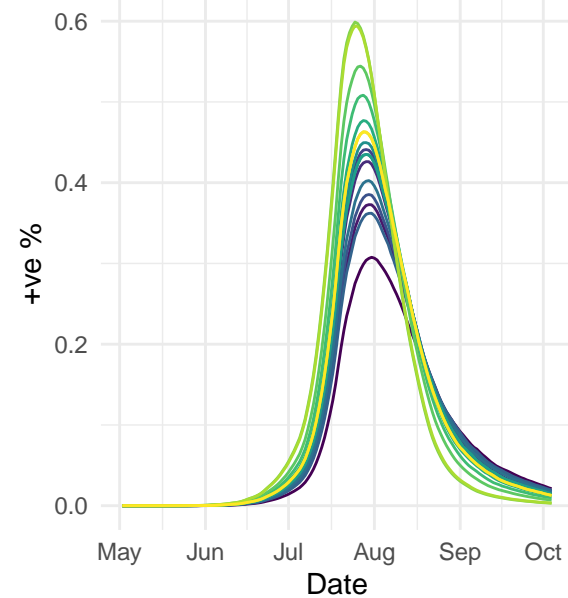


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

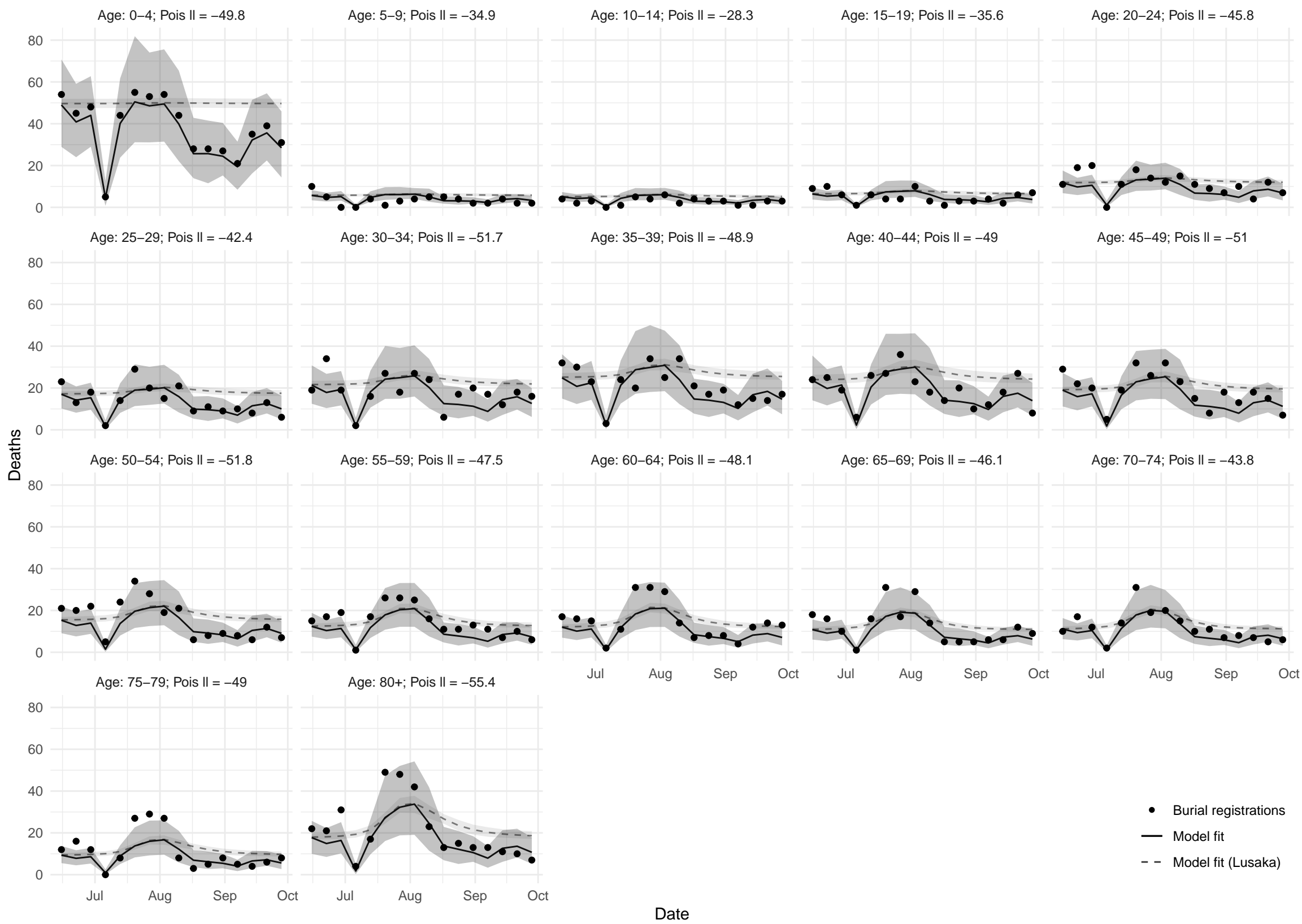


Modelled PCR %

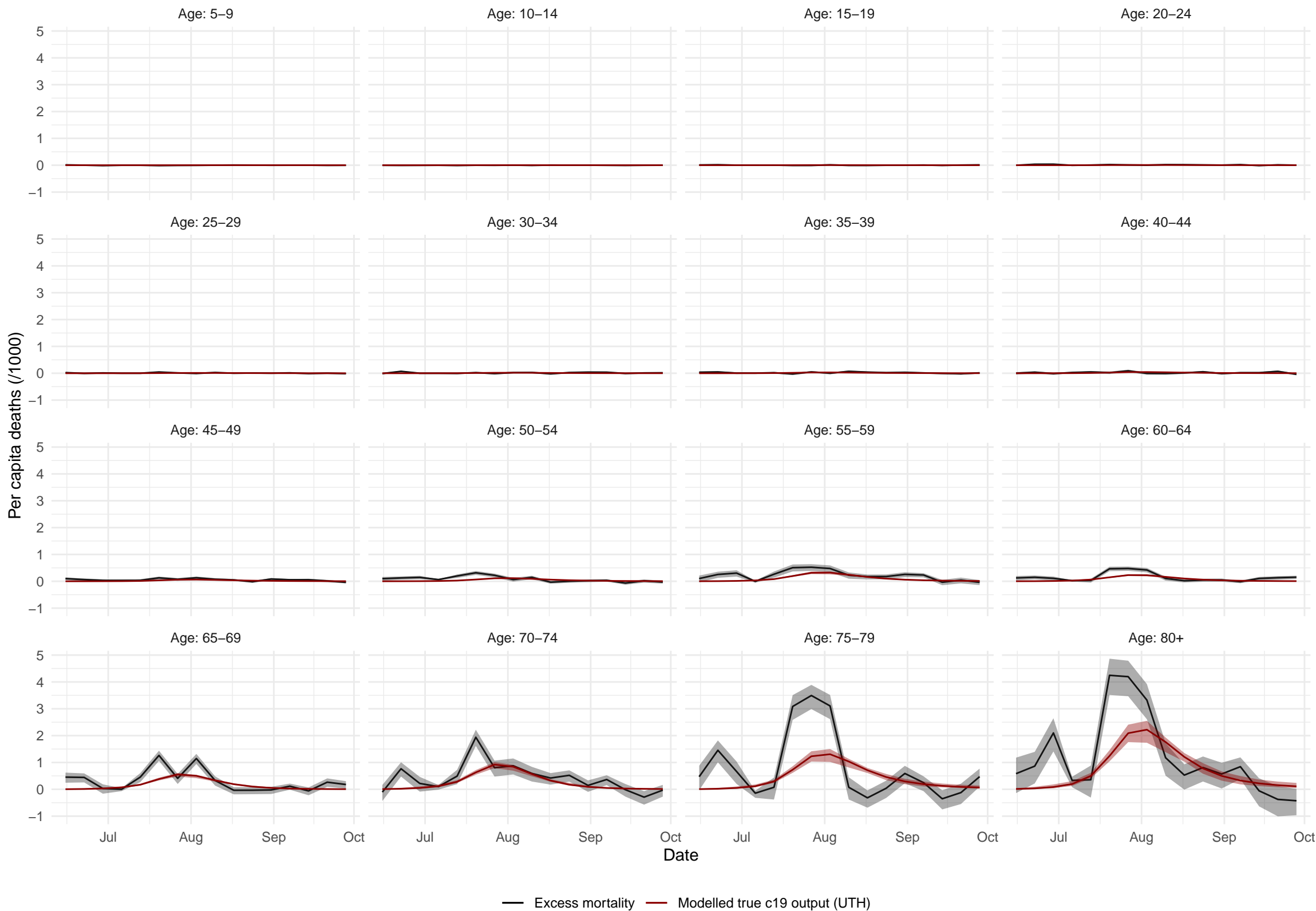


Age: 0-4
 Age: 5-9
 Age: 10-14
 Age: 15-19
 Age: 20-24
 Age: 25-29
 Age: 30-34
 Age: 35-39
 Age: 40-44
 Age: 45-49
 Age: 50-54
 Age: 55-59
 Age: 60-64
 Age: 65-69
 Age: 70-74
 Age: 75-79
 Age: 80+

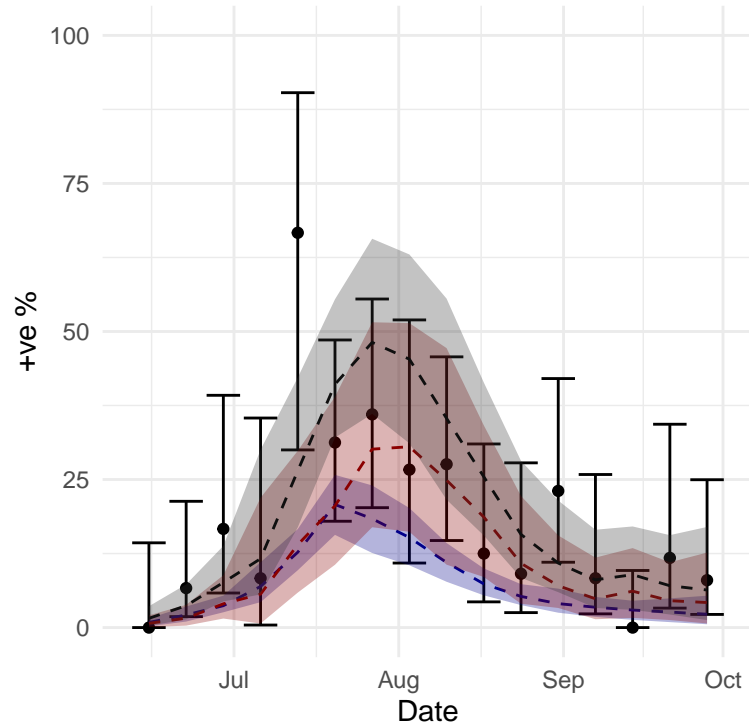
IFR x0.2, Slope x1
Lusaka weekly burial registrations



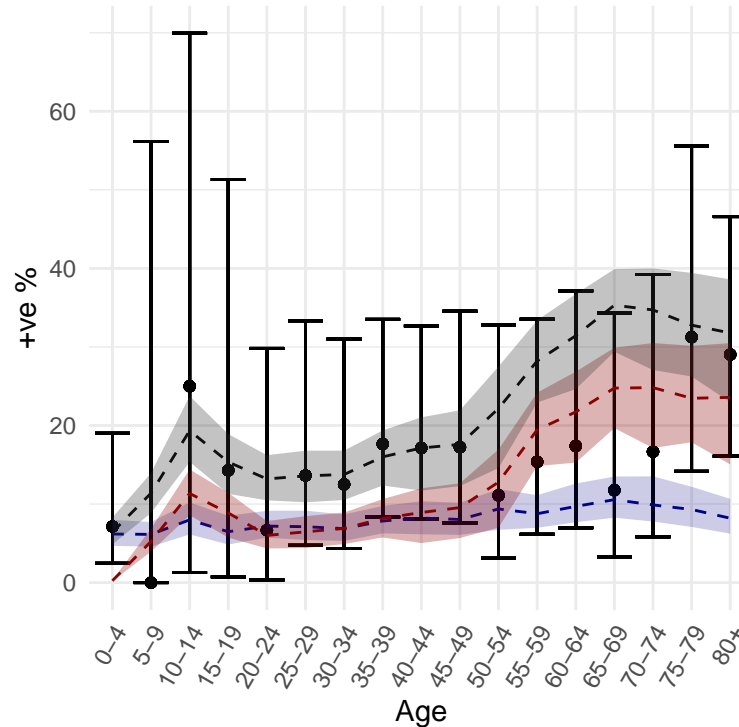
IFR x 0.2, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



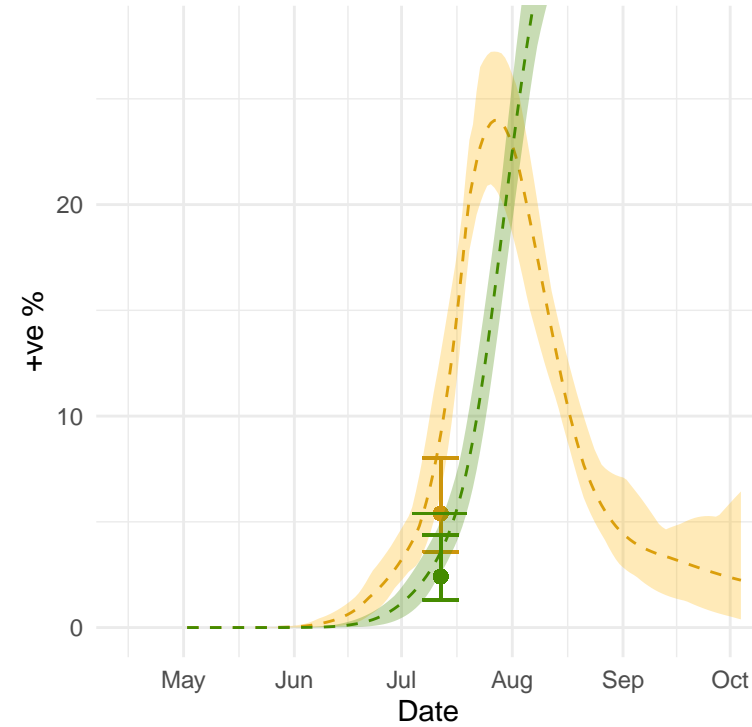
IFR x 0.4, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

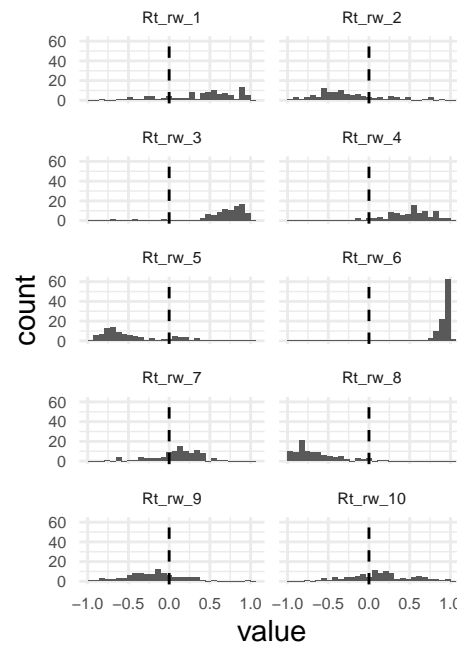
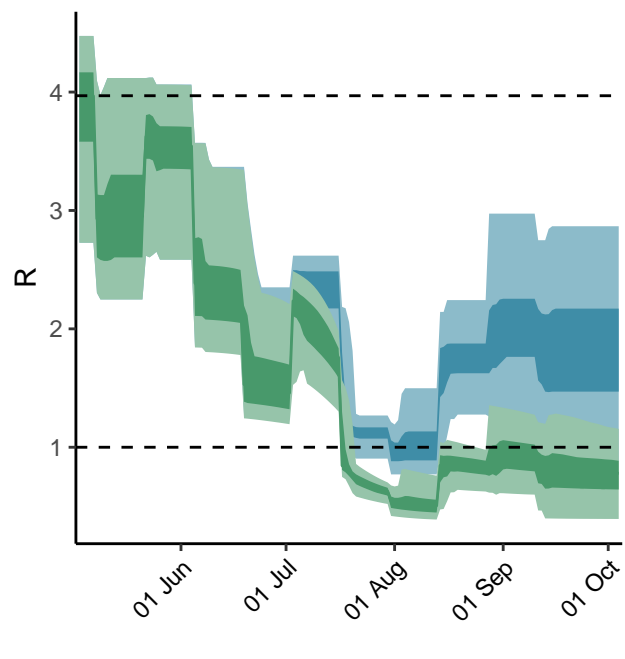


COVID-19 prevalence
 Lusaka/Zambia

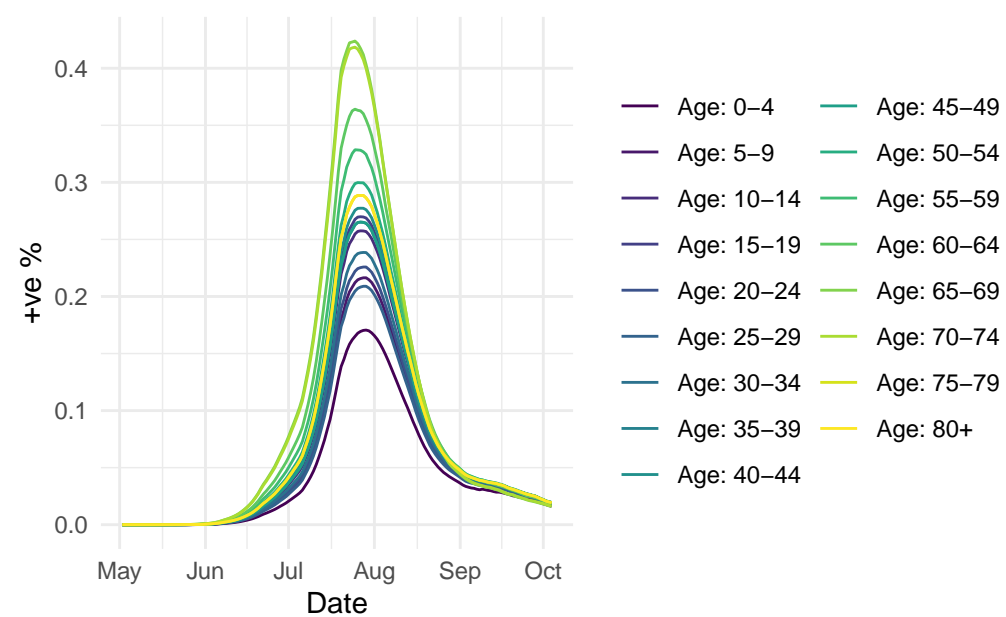


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

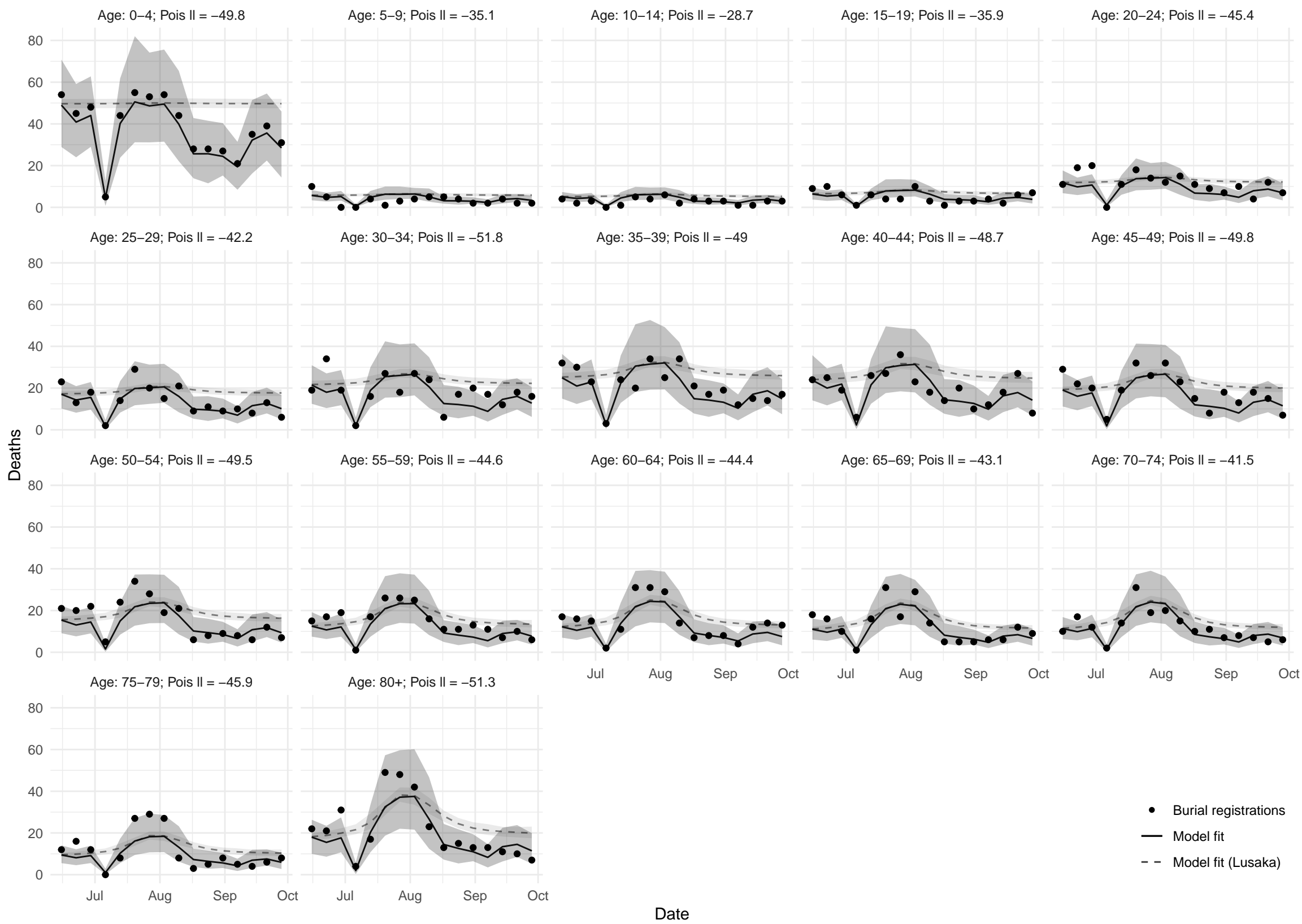
PCR % (Lusaka)
 Sero % (Lusaka)



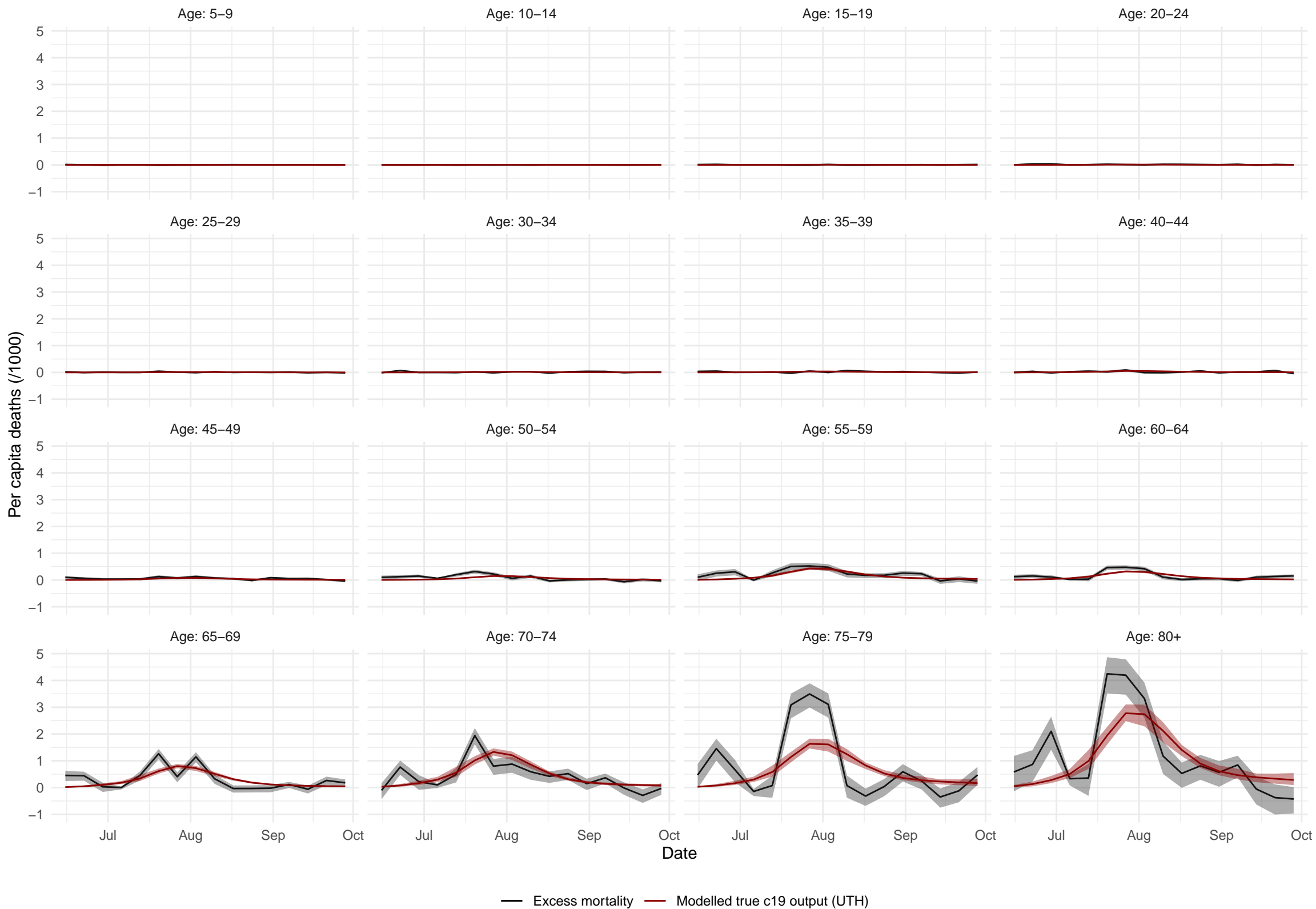
Modelled PCR %



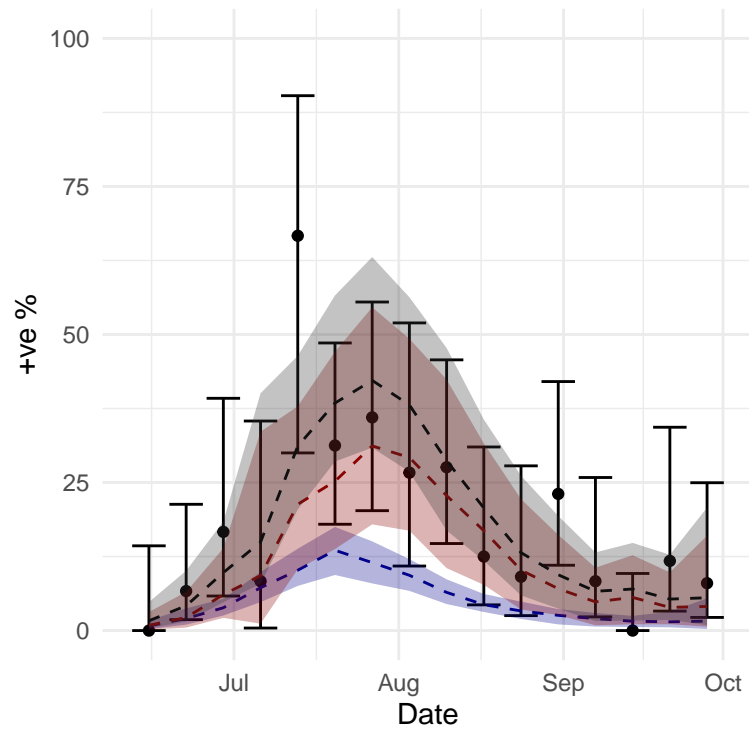
IFR x0.4, Slope x1
Lusaka weekly burial registrations



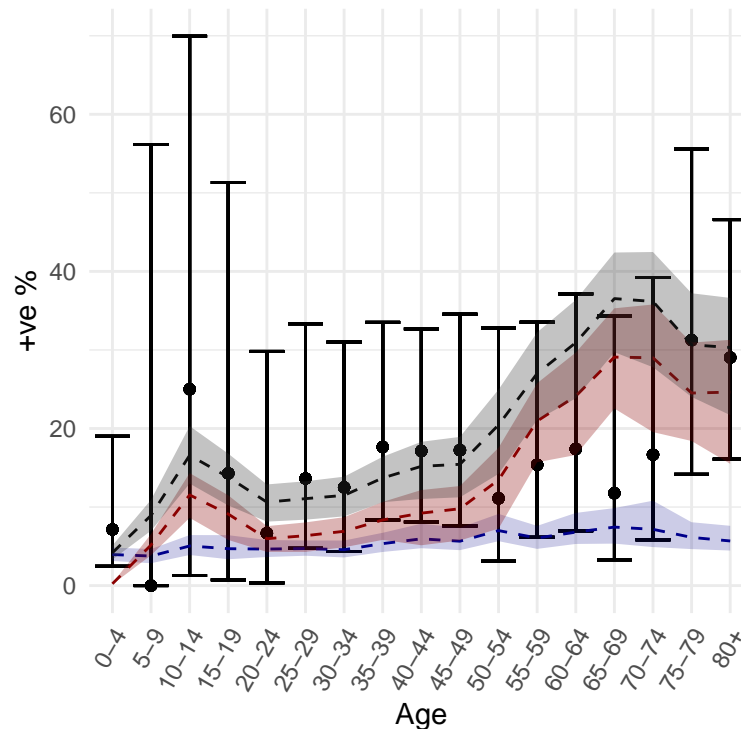
IFR x 0.4, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



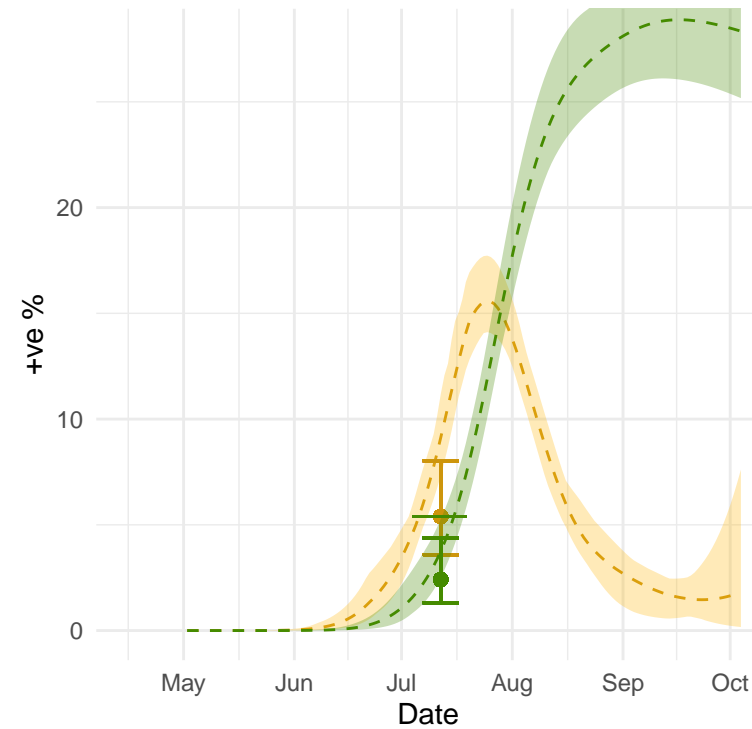
IFR x 0.6, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

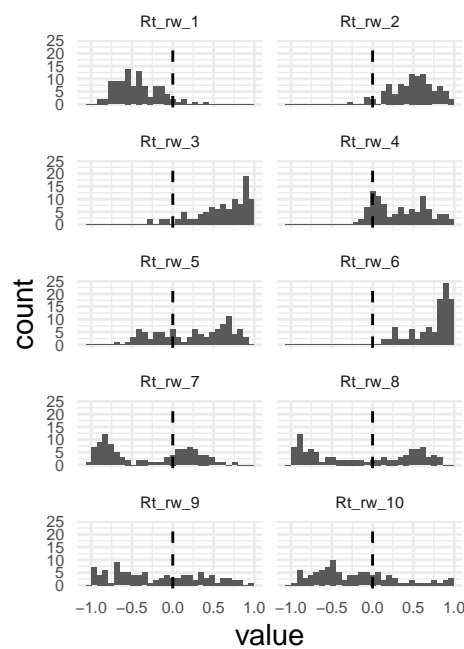
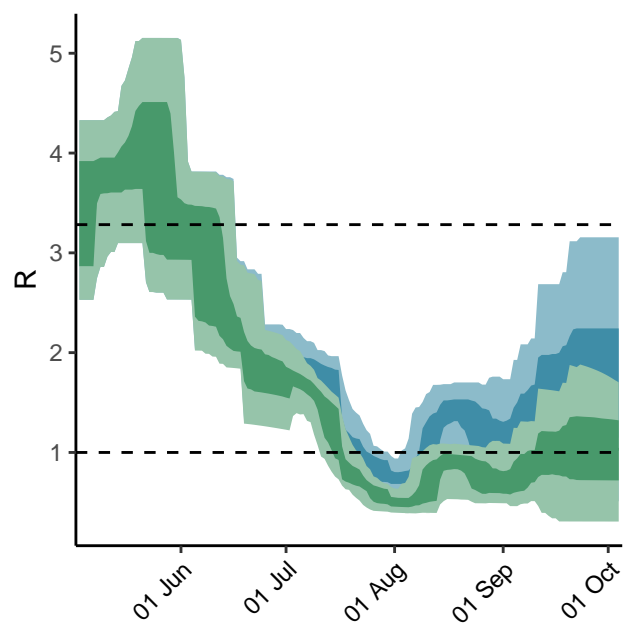


COVID-19 prevalence
 Lusaka/Zambia

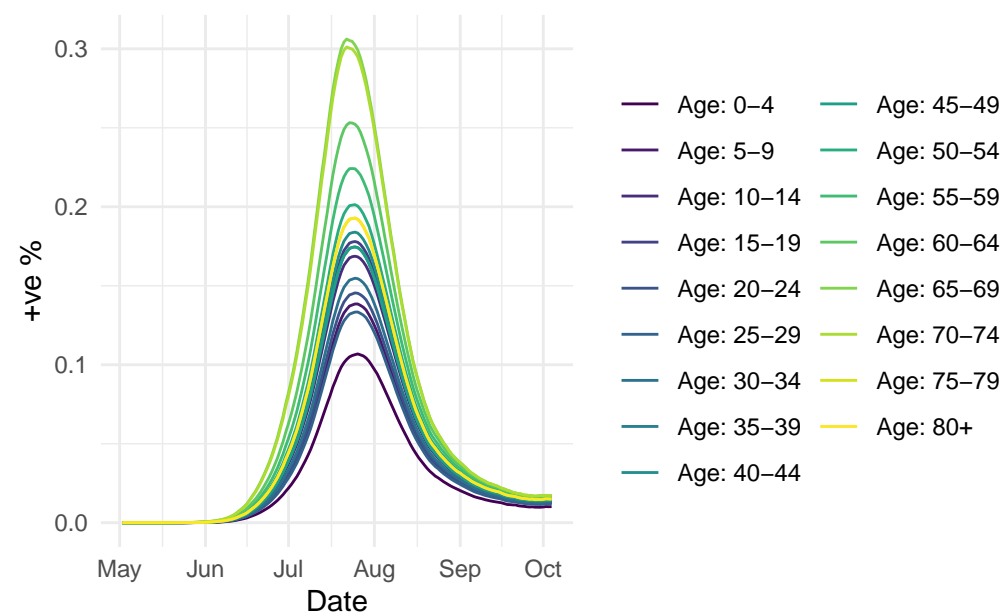


-- Total +ve deaths
 - - Causal deaths
 - - Coincidental deaths

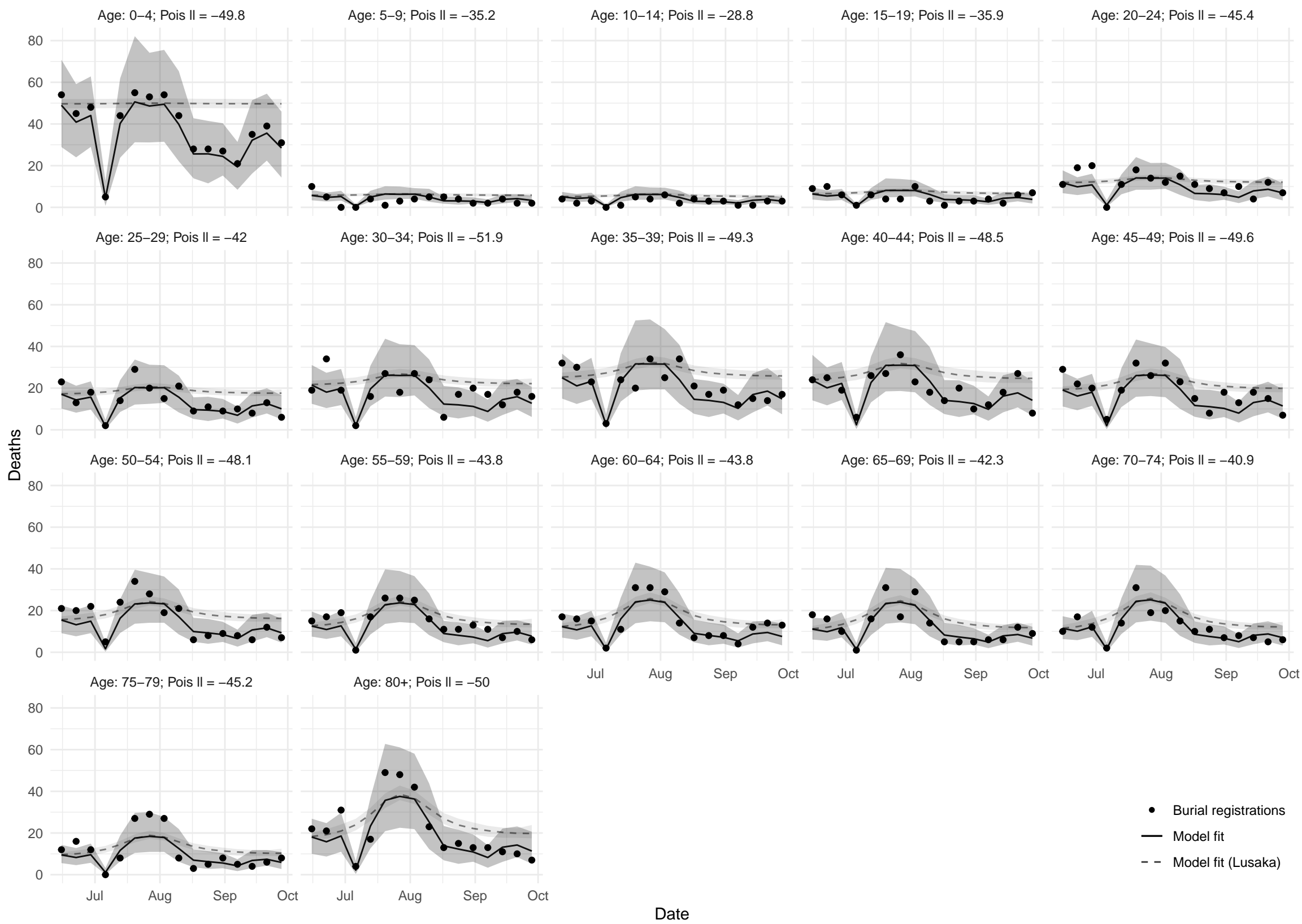
PCR % (Lusaka)
 Sero % (Lusaka)



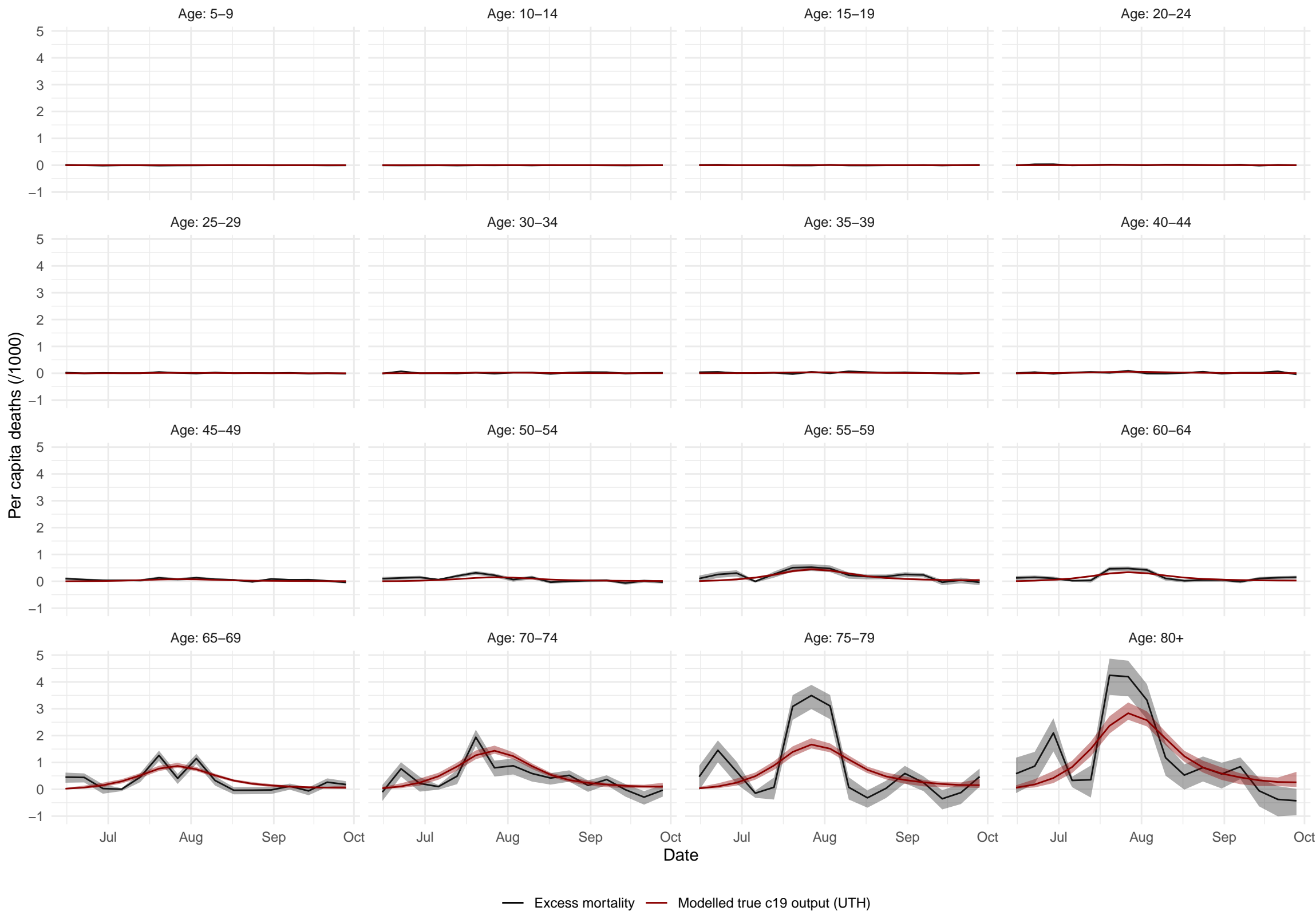
Modelled PCR %



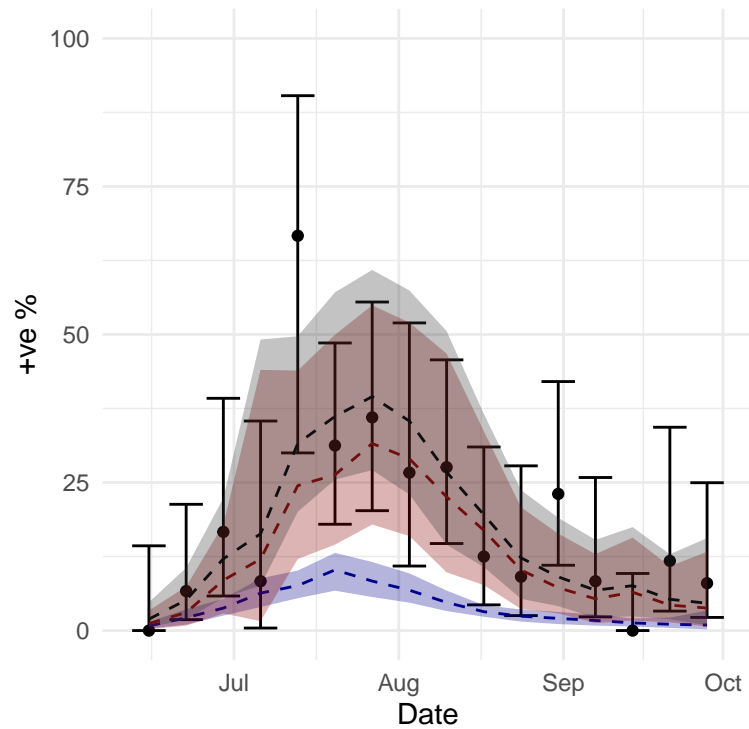
IFR x0.6, Slope x1
Lusaka weekly burial registrations



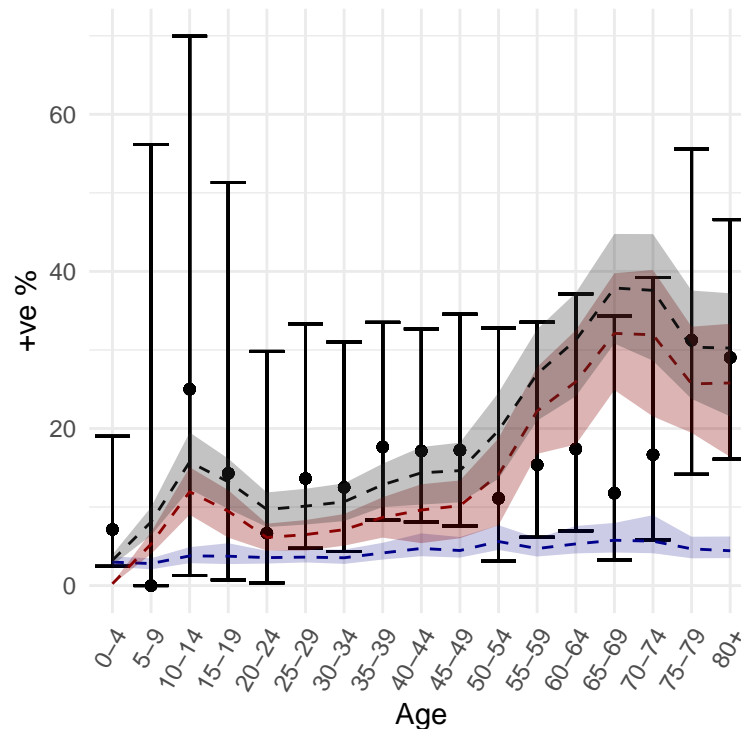
IFR x 0.6, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



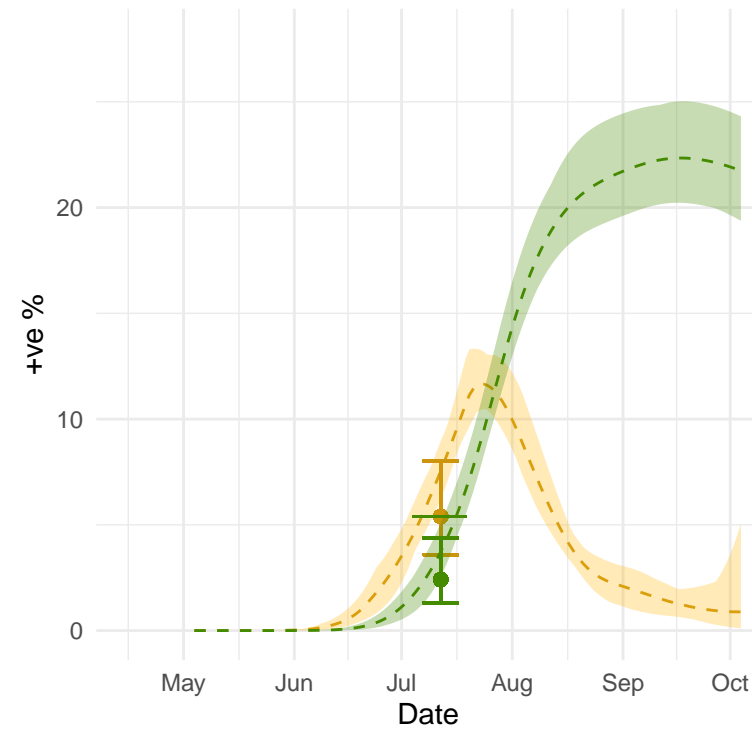
IFR x 0.8, Slope x 1
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
Lus mortuary

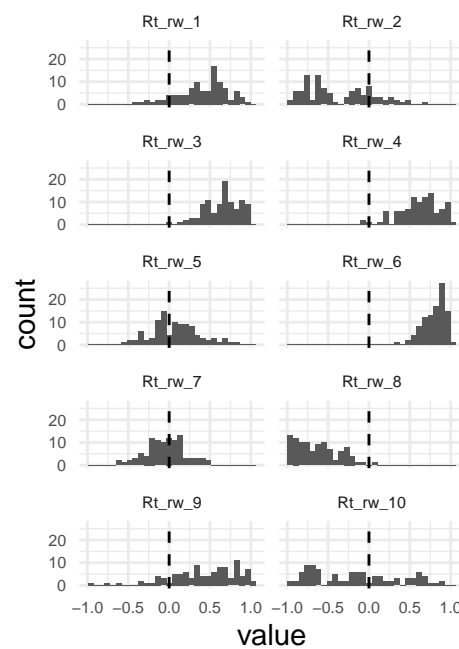
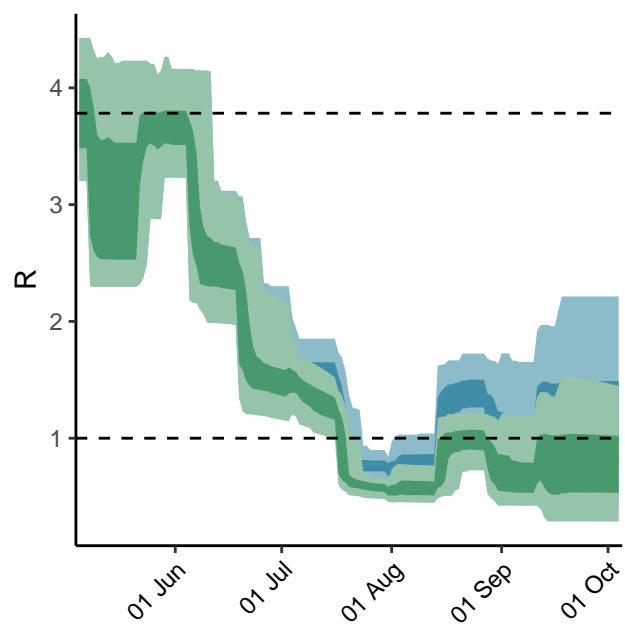


COVID-19 prevalence
Lusaka/Zambia

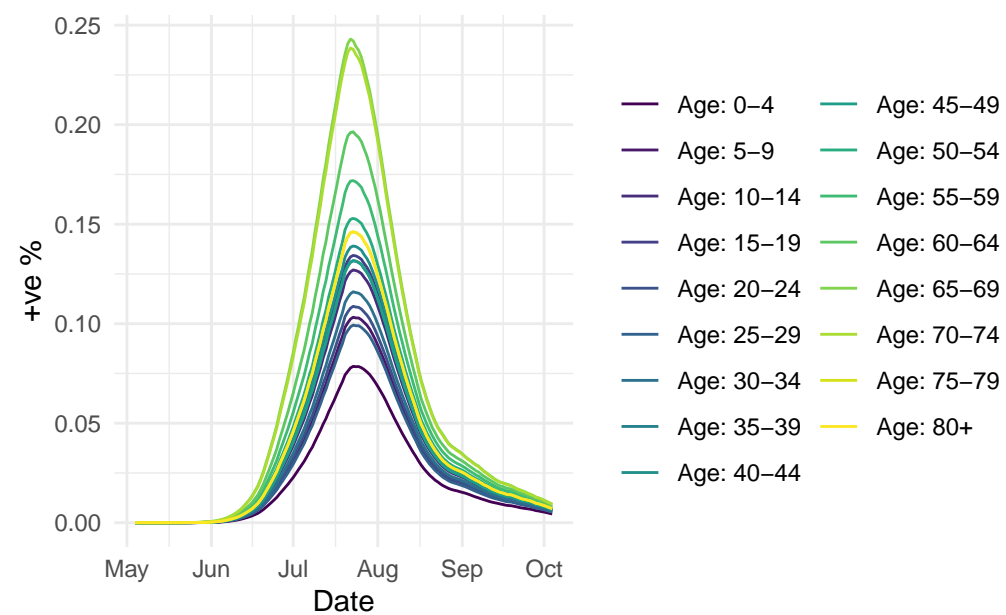


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

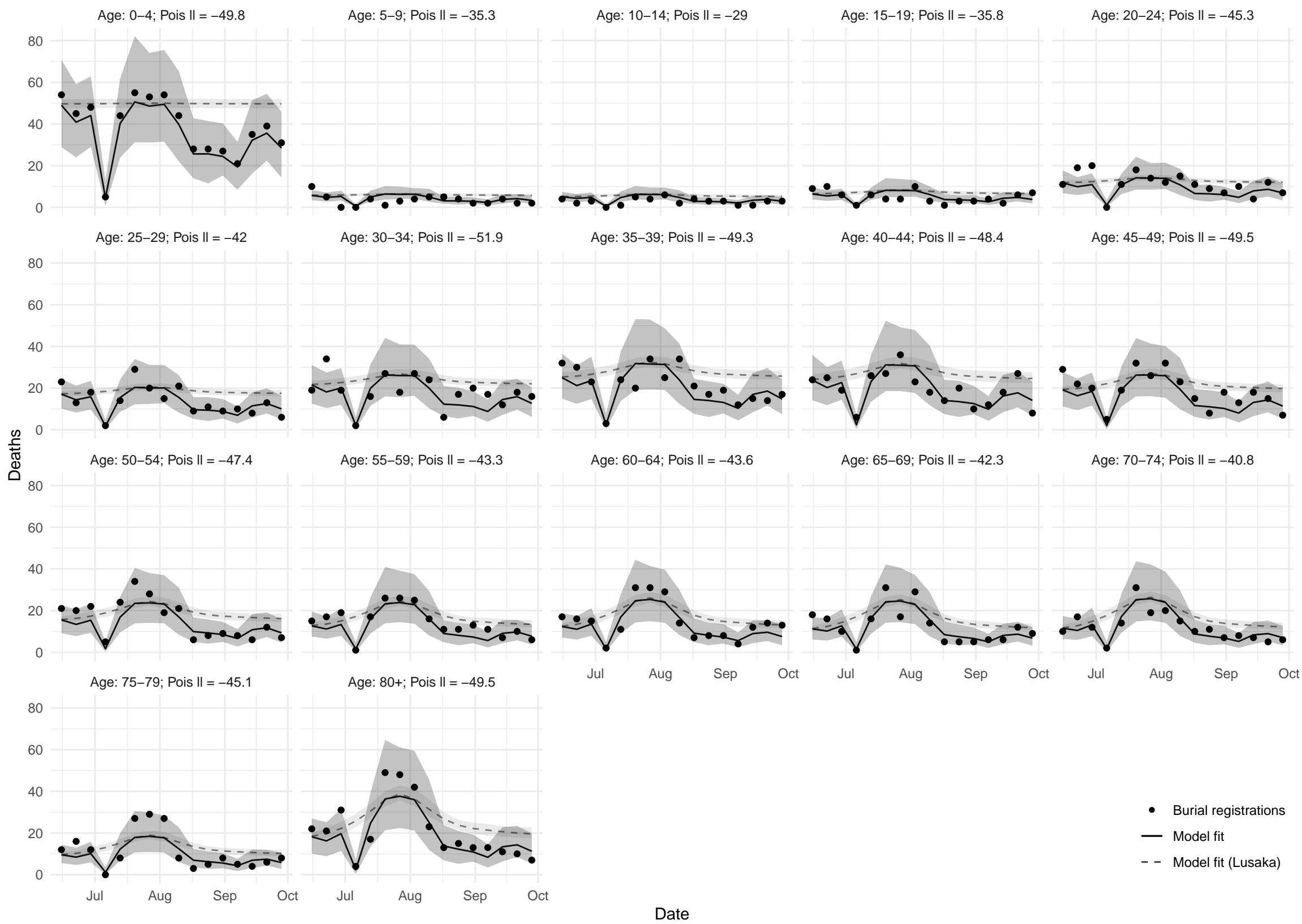
PCR % (Lusaka)
Sero % (Lusaka)



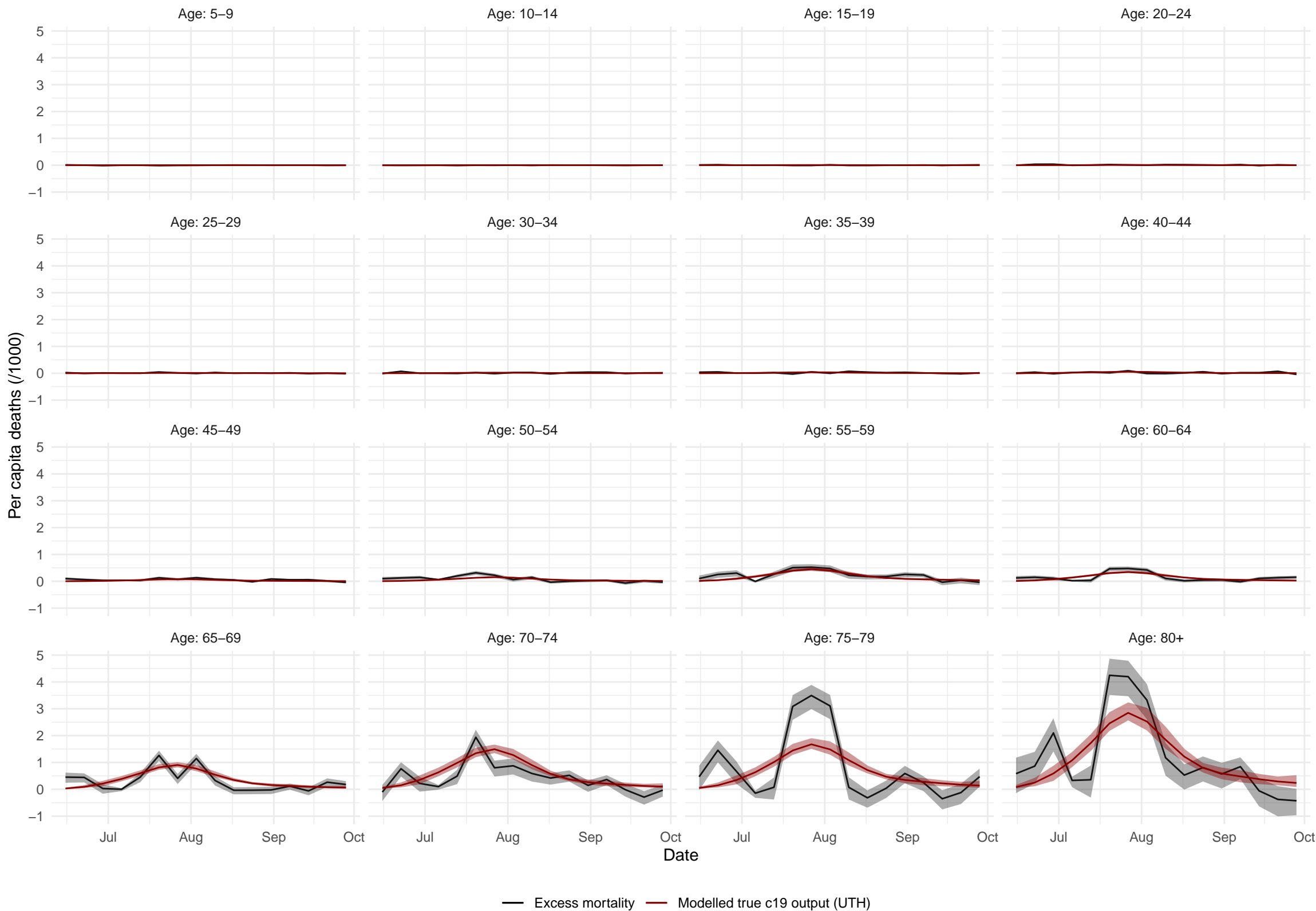
Modelled PCR %



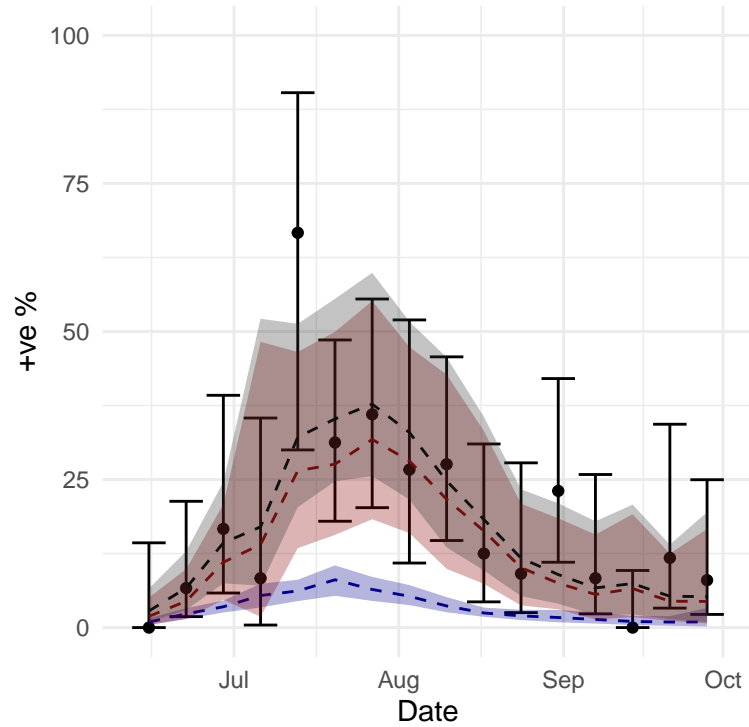
IFR x0.8, Slope x1
Lusaka weekly burial registrations



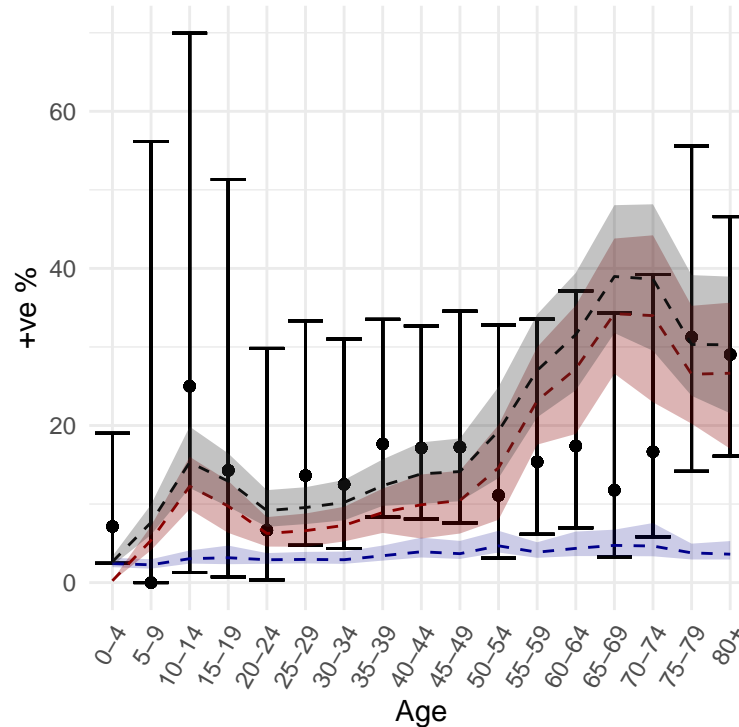
IFR x 0.8, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



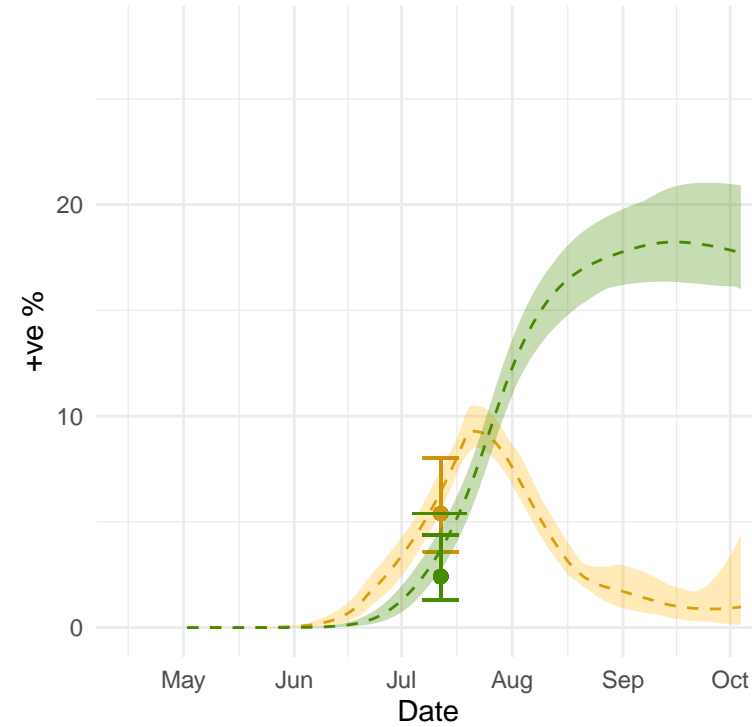
IFR x 1, Slope x 1
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
Lus mortuary

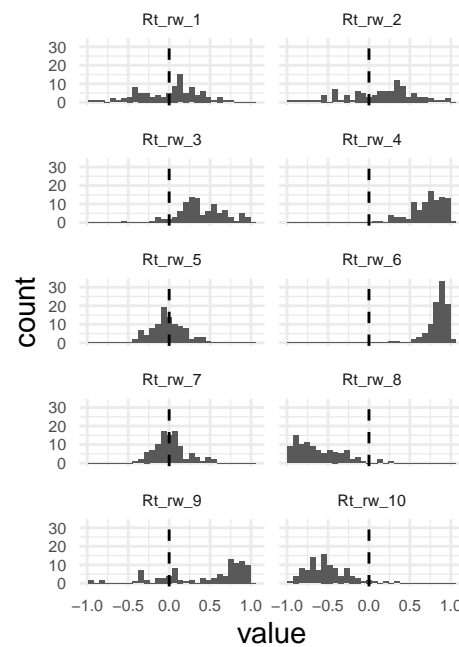
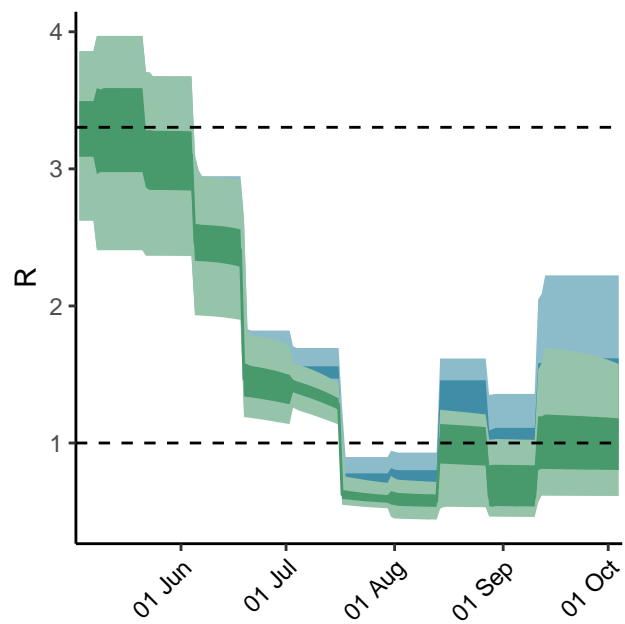


COVID-19 prevalence
Lusaka/Zambia

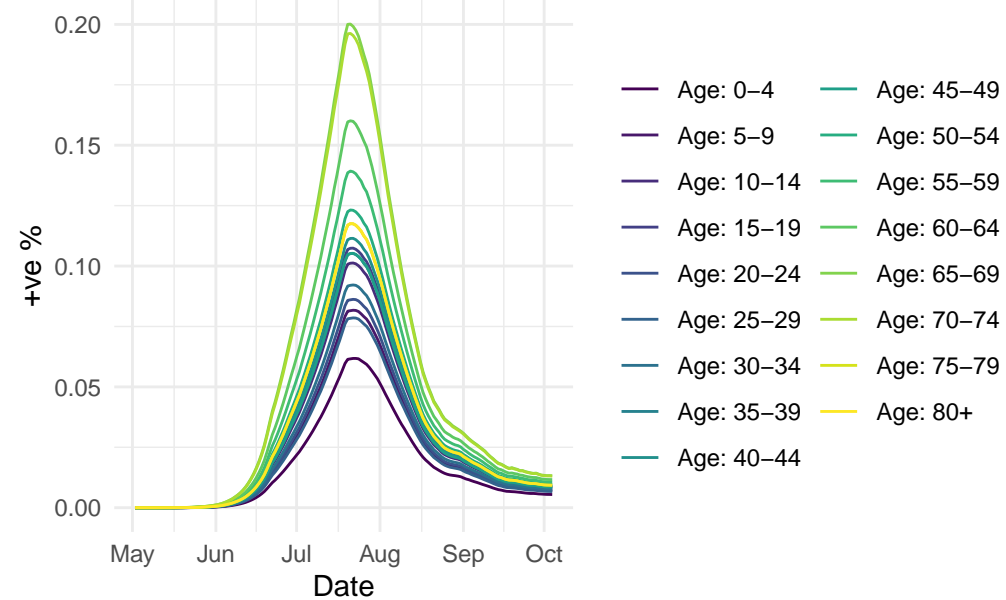


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

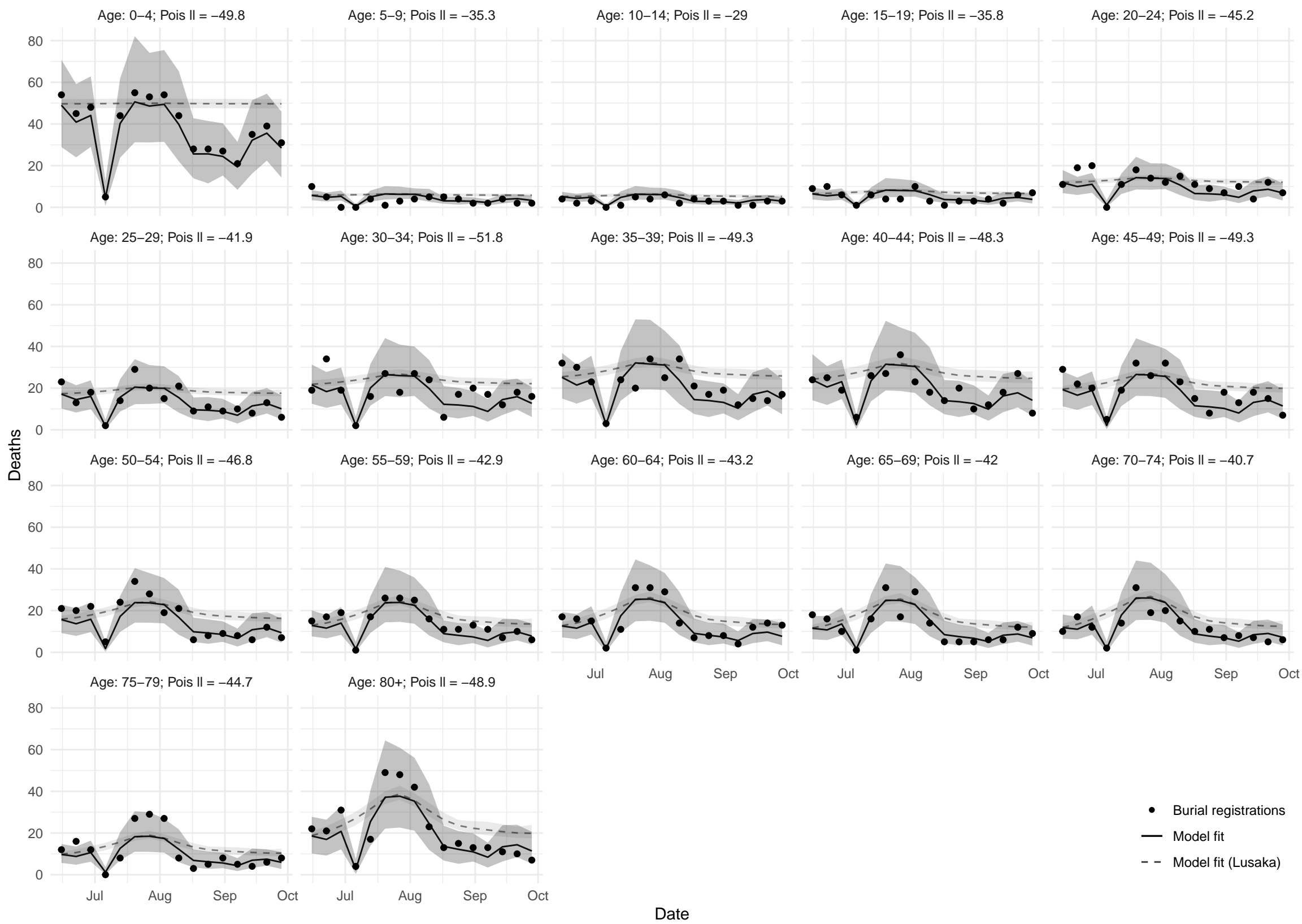
PCR % (Lusaka)
Sero % (Lusaka)



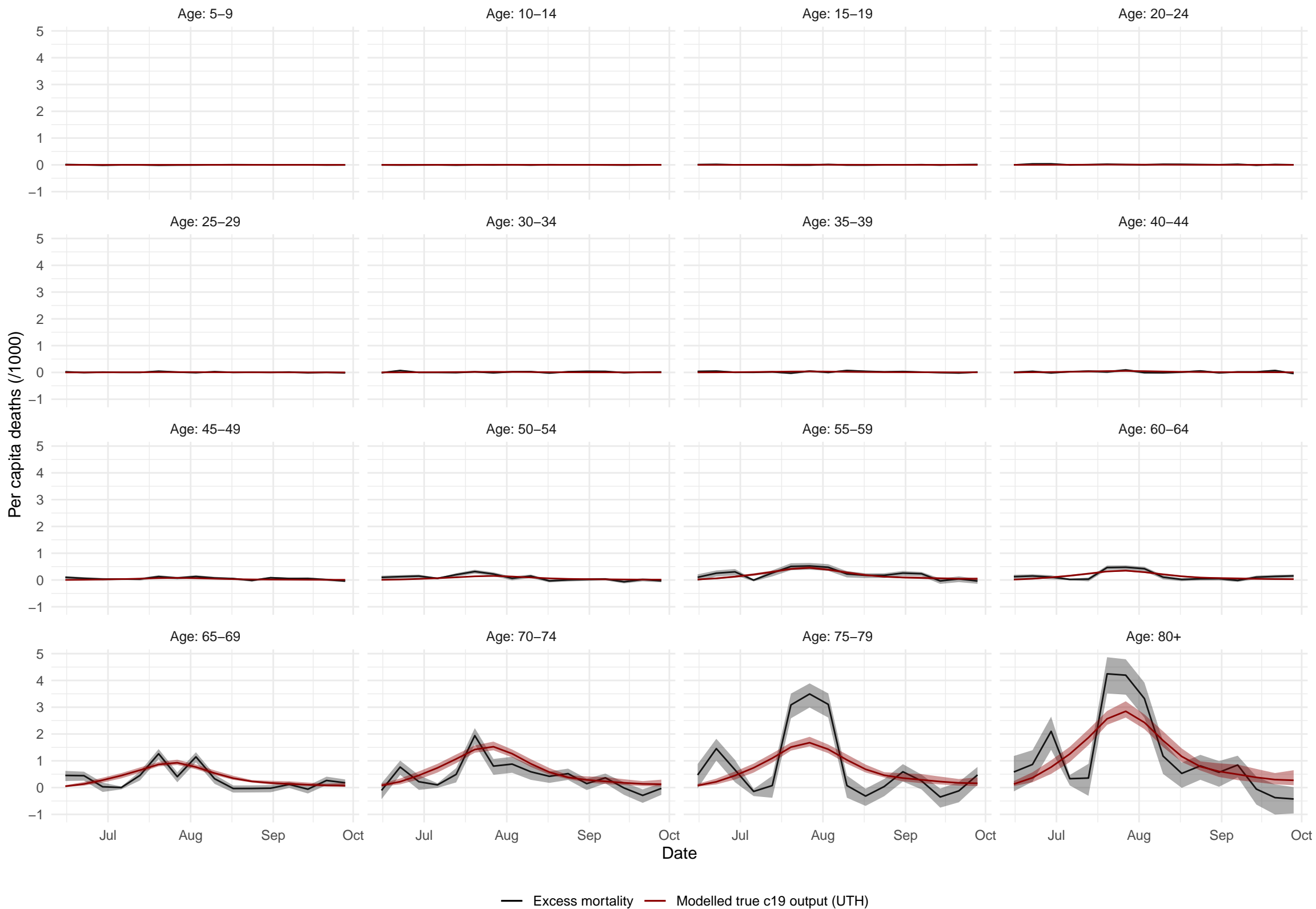
Modelled PCR %



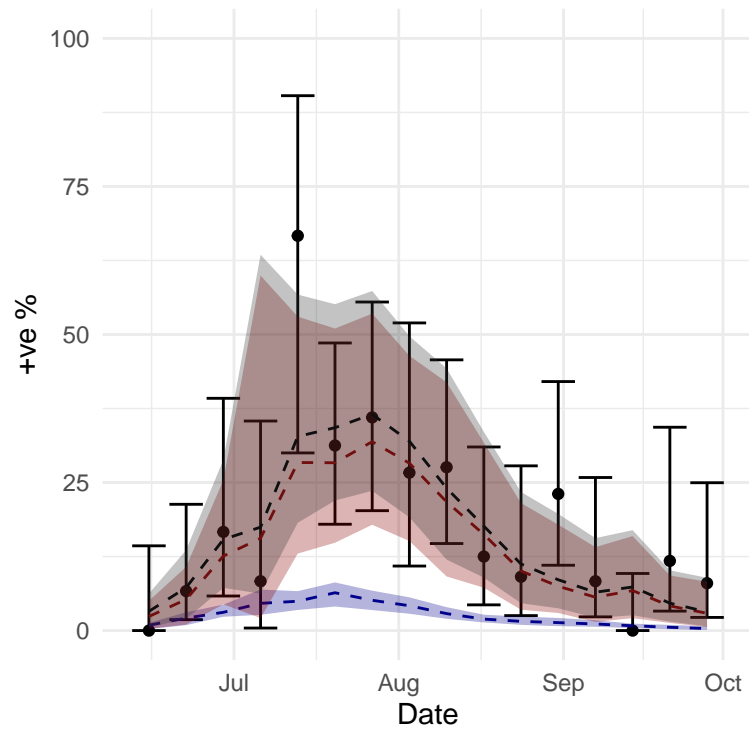
IFR x1, Slope x1
Lusaka weekly burial registrations



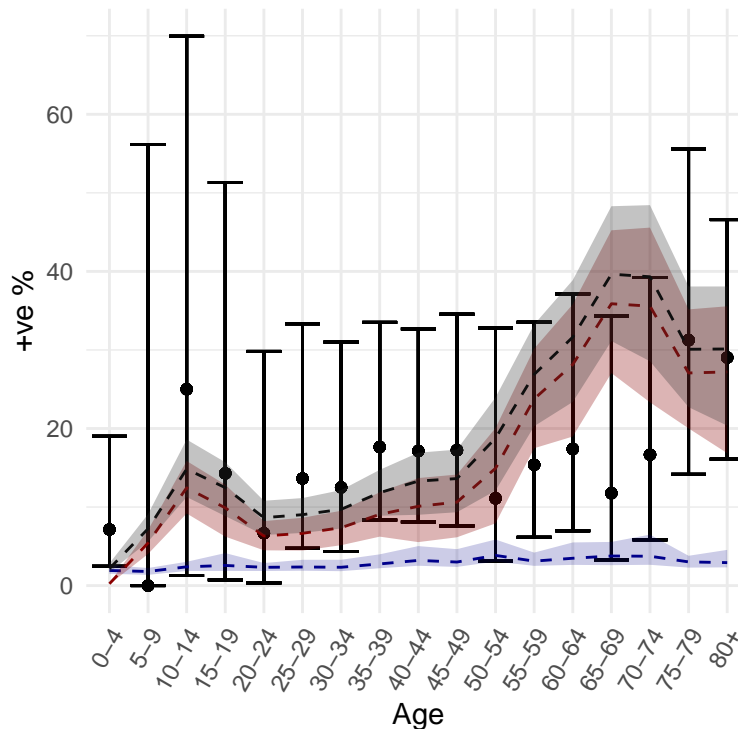
IFR x 1, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



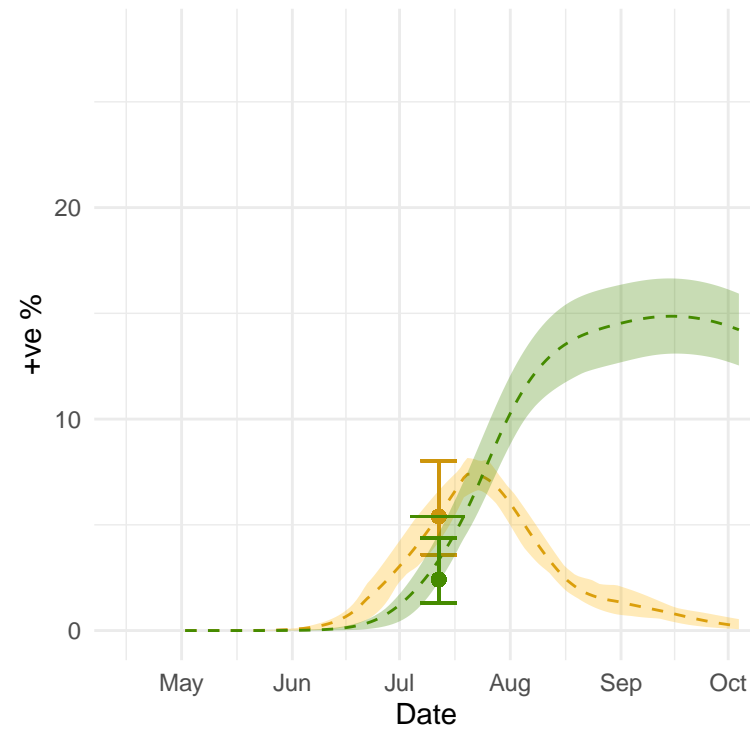
IFR x 1.25, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

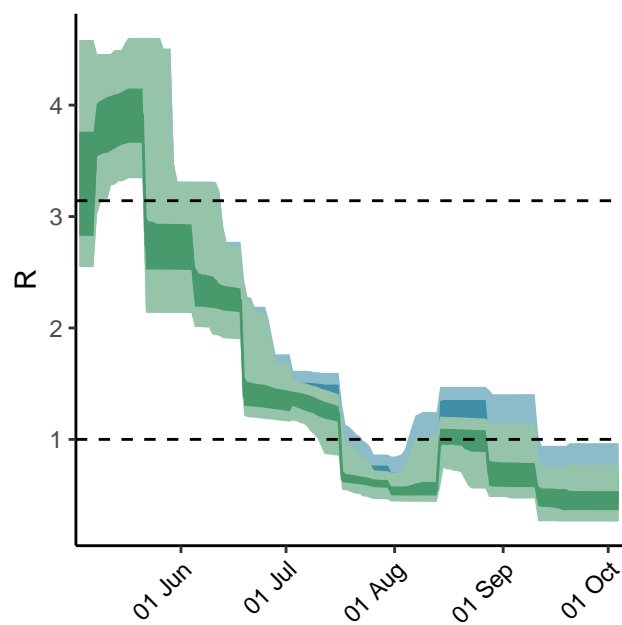


COVID-19 prevalence
 Lusaka/Zambia

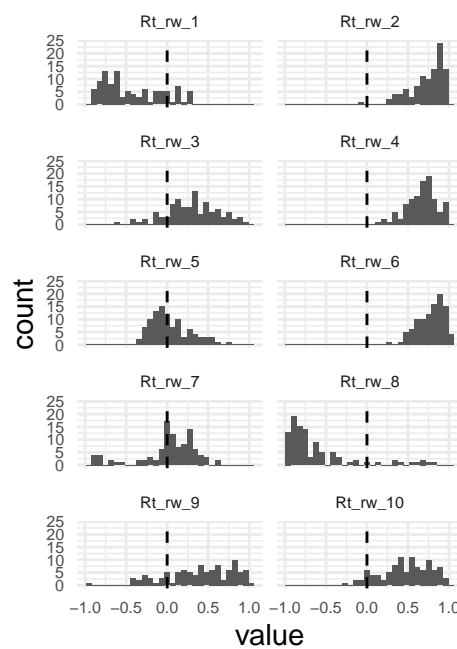


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

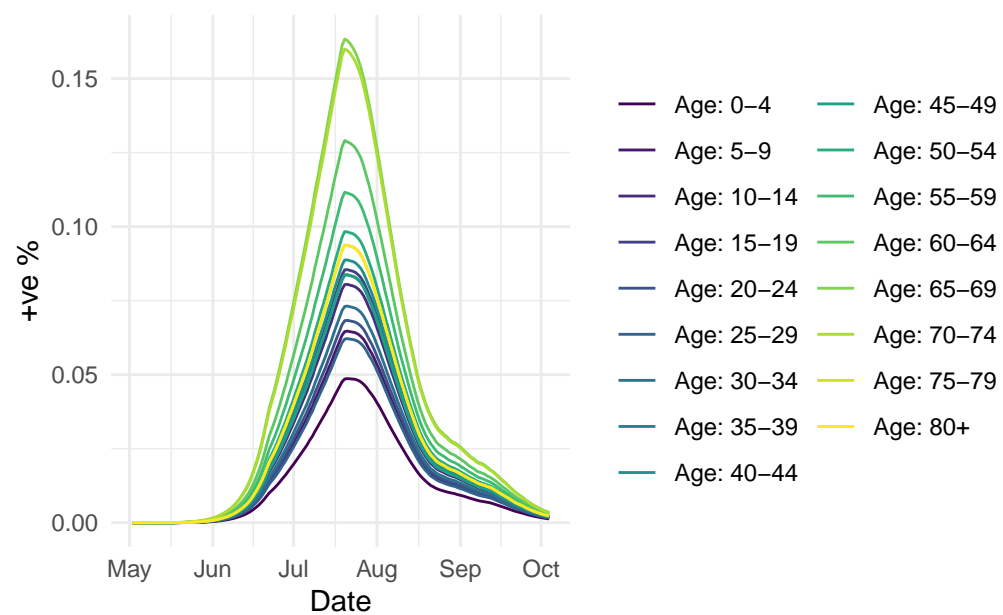
— PCR % (Lusaka)
 — Sero % (Lusaka)



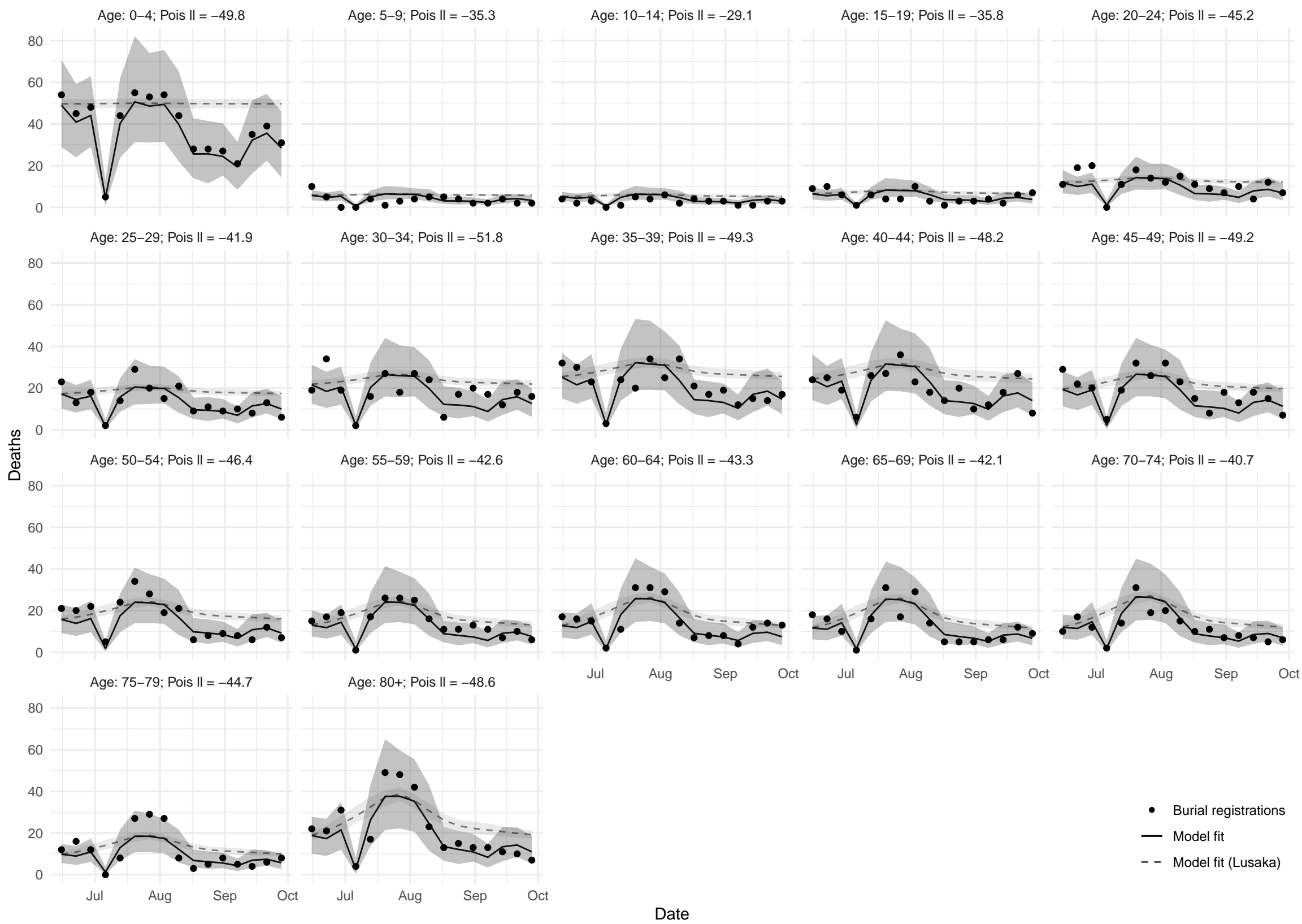
Reff
 Rt



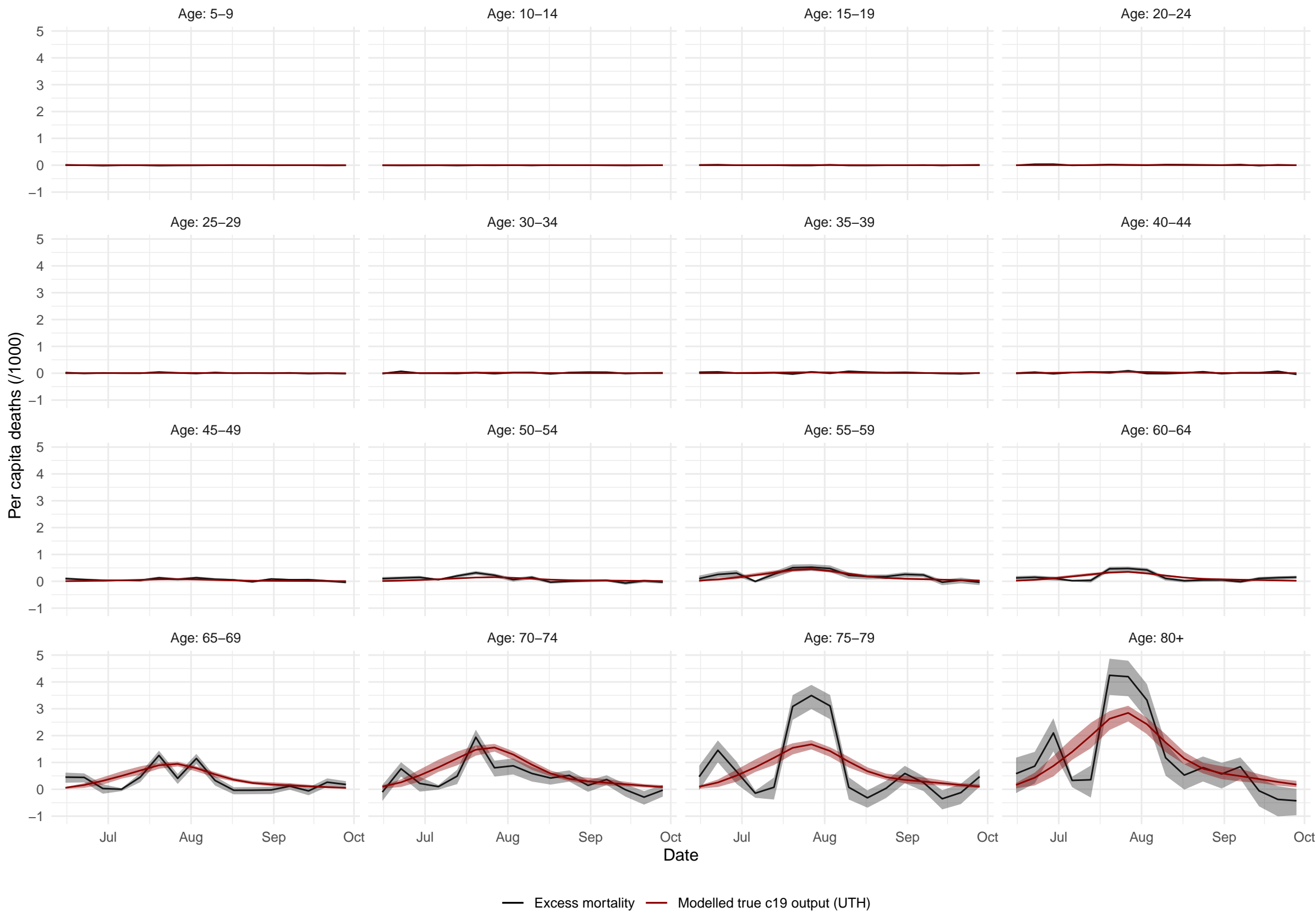
Modelled PCR %



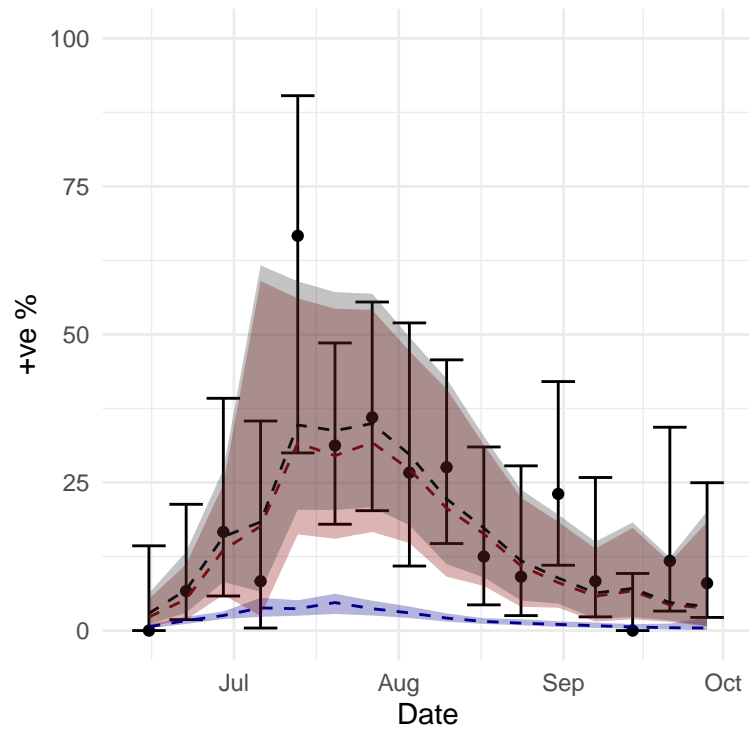
IFR x1.25, Slope x1
Lusaka weekly burial registrations



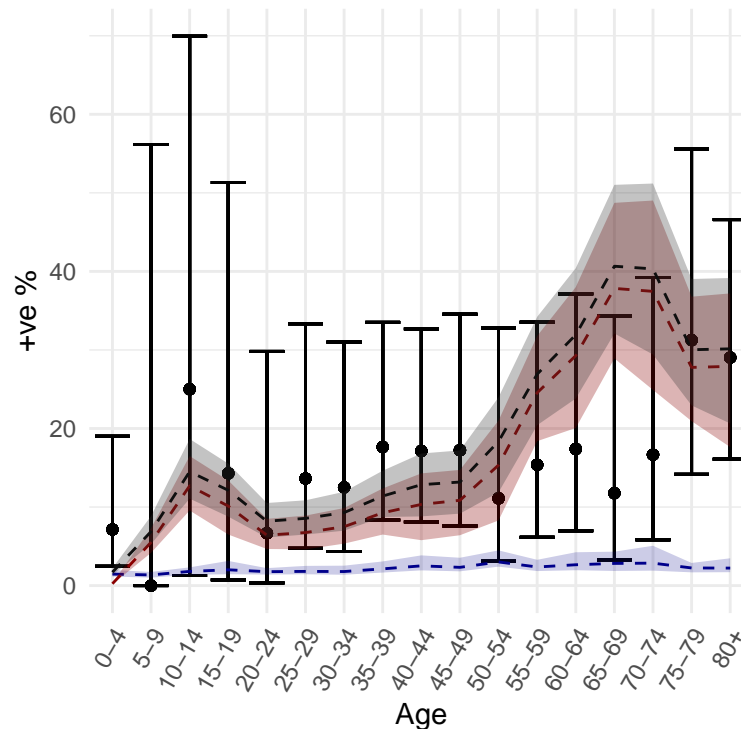
IFR x 1.25, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



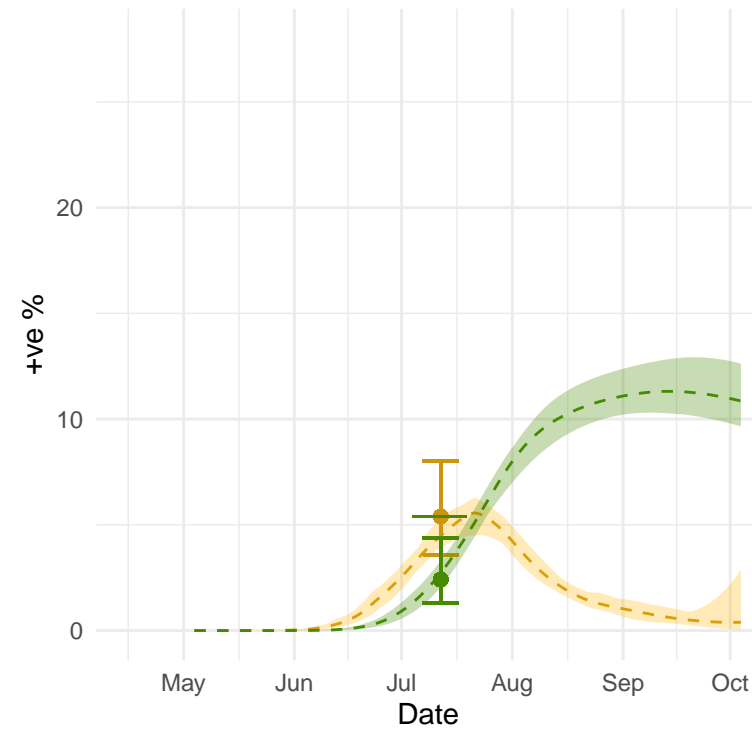
IFR x 1.67, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

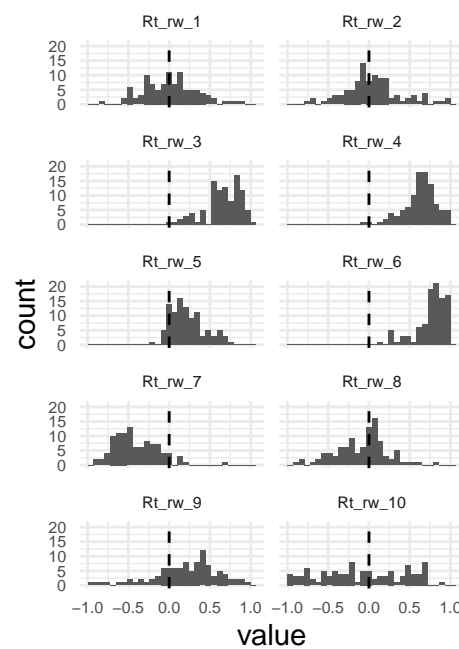
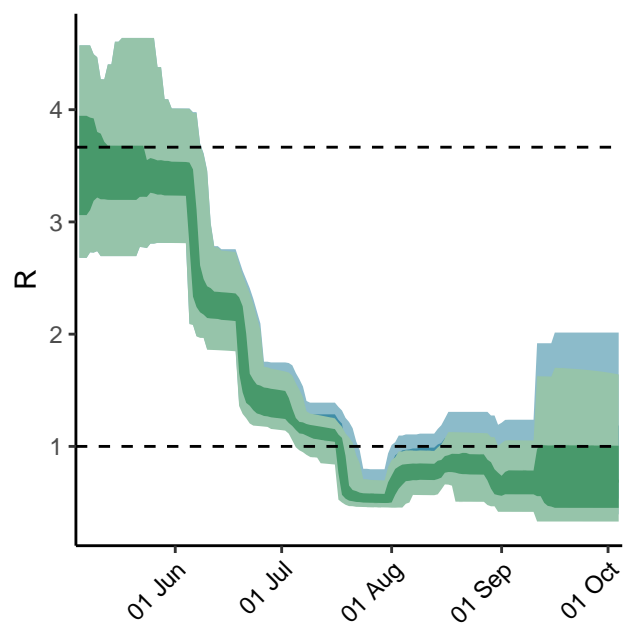


COVID-19 prevalence
 Lusaka/Zambia

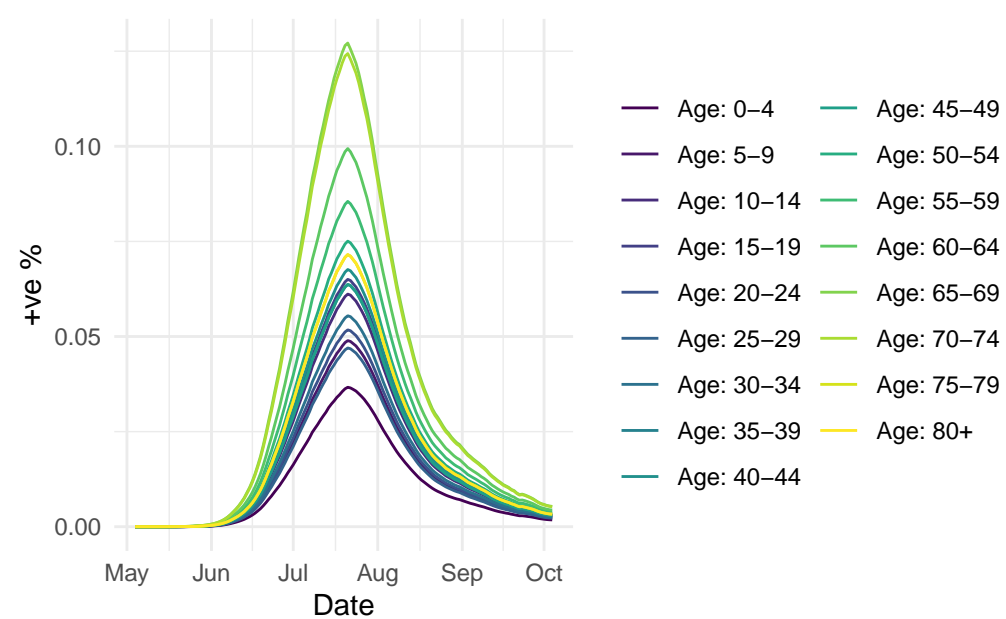


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

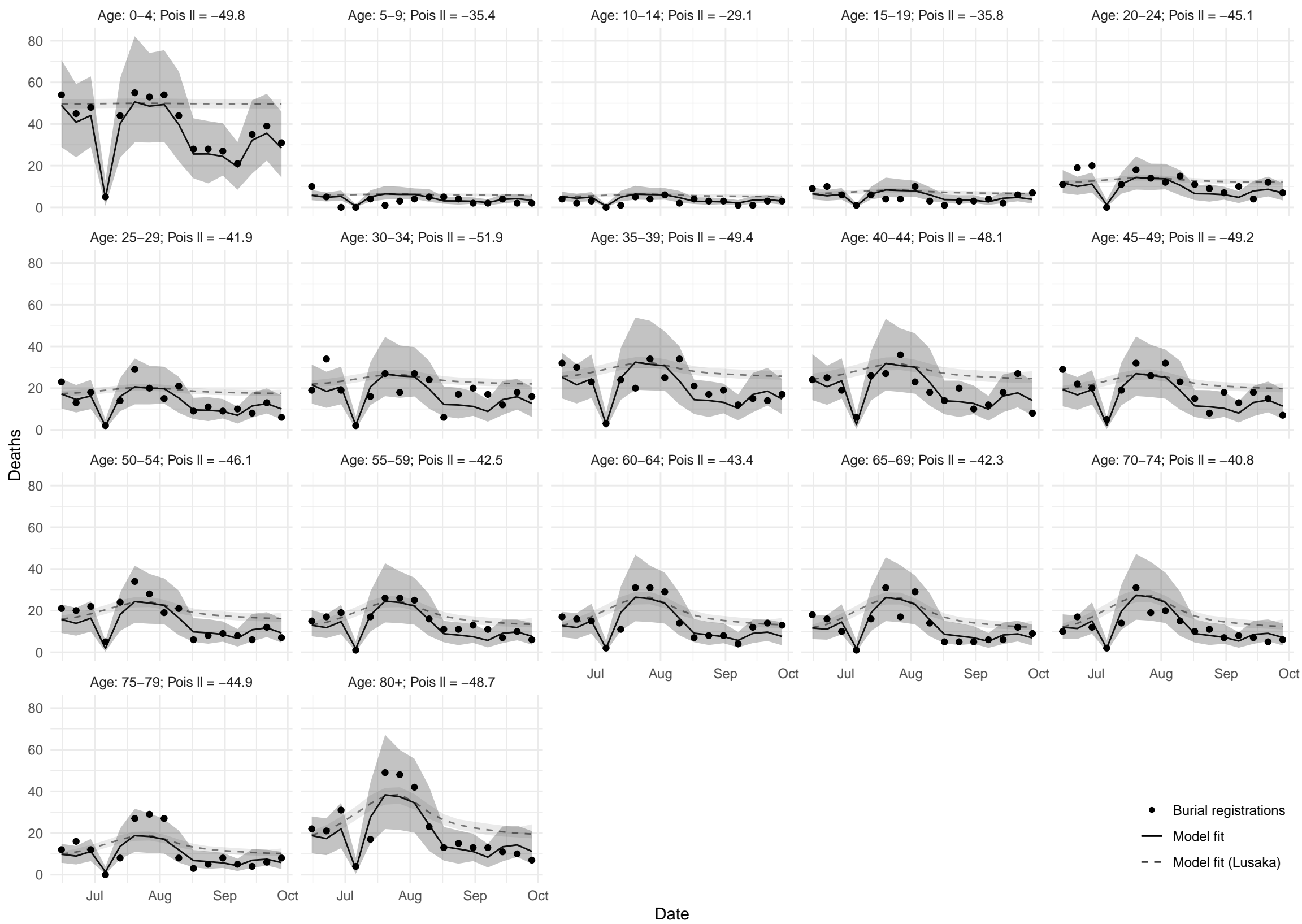
PCR % (Lusaka)
 Sero % (Lusaka)



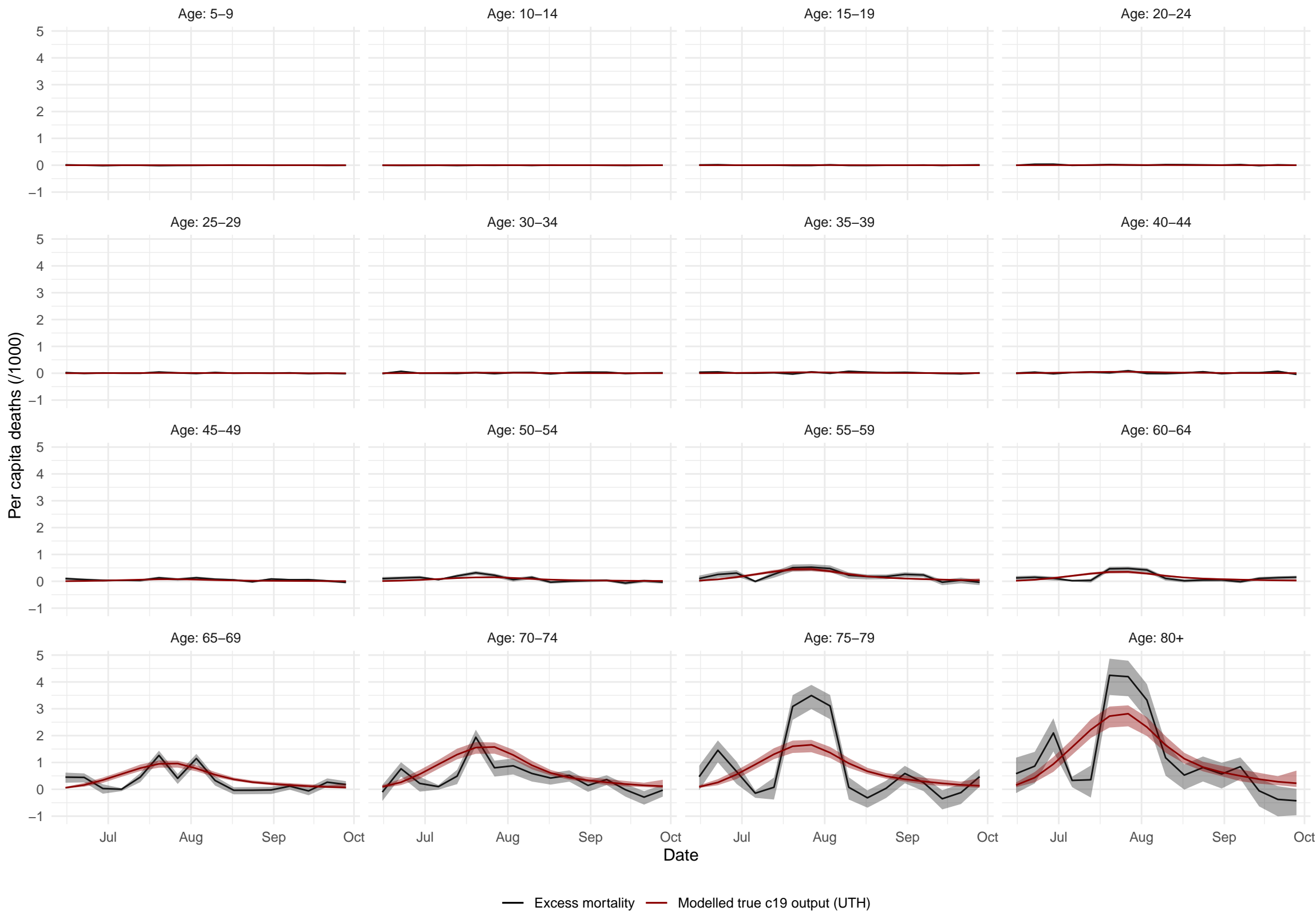
Modelled PCR %



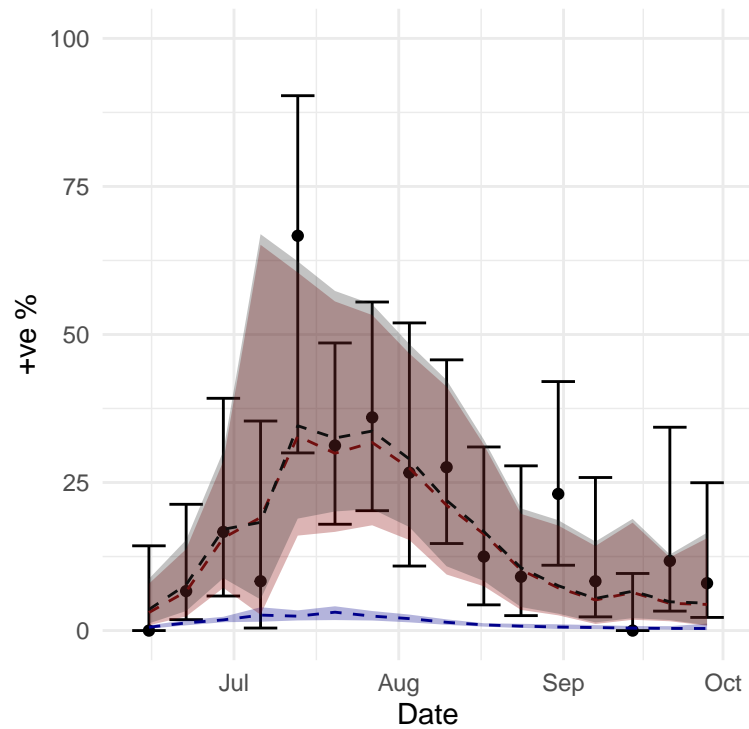
IFR x1.67, Slope x1
Lusaka weekly burial registrations



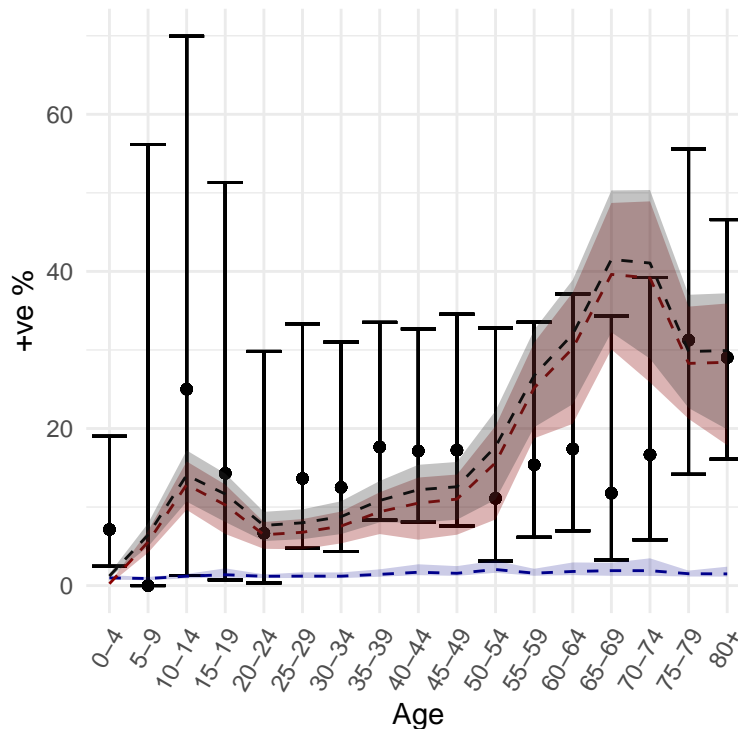
IFR x 1.67, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



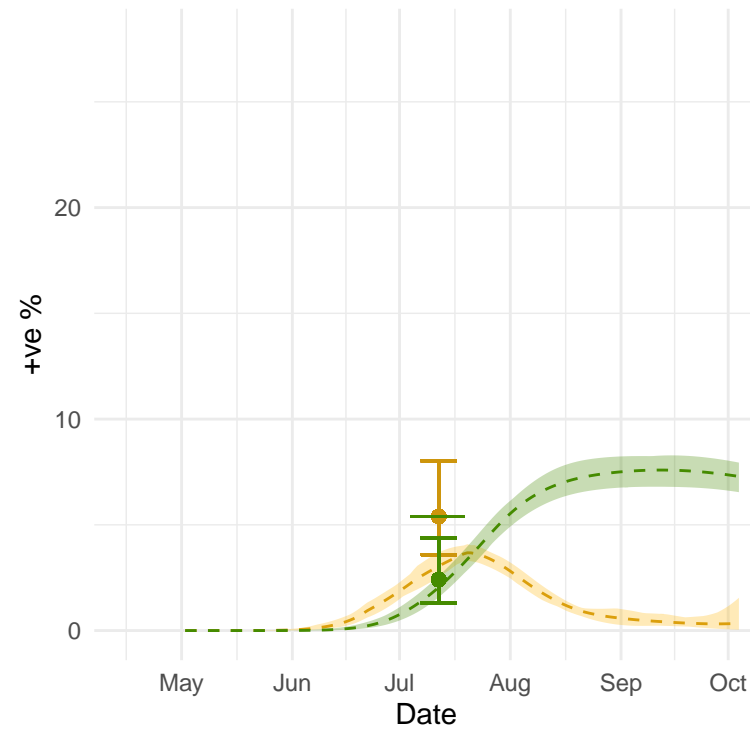
IFR x 2.5, Slope x 1
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

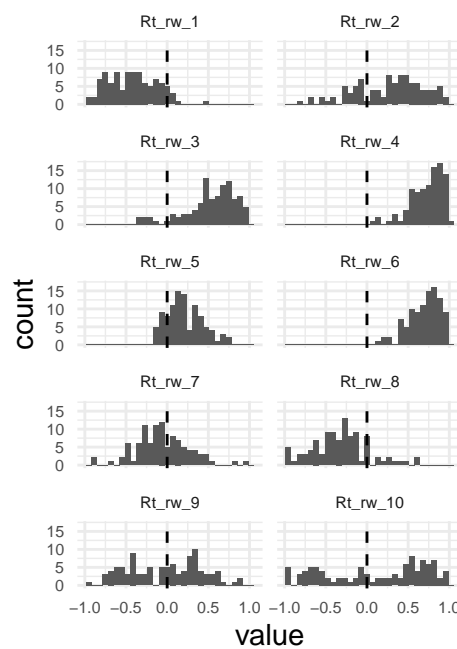
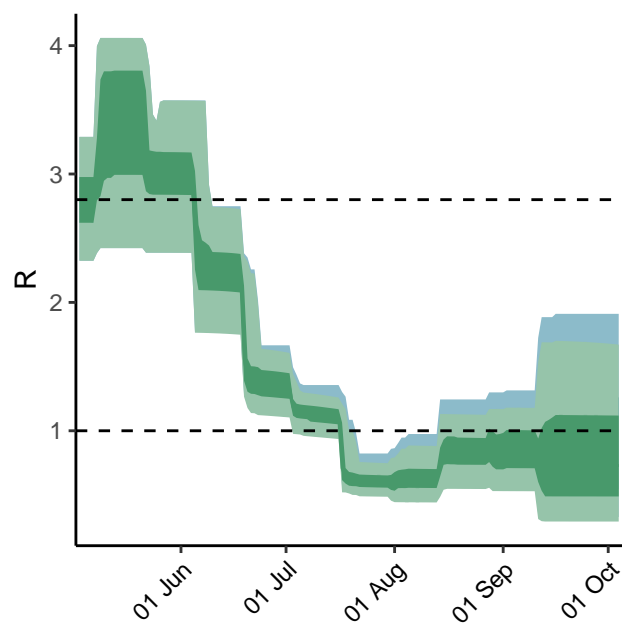


COVID-19 prevalence
 Lusaka/Zambia

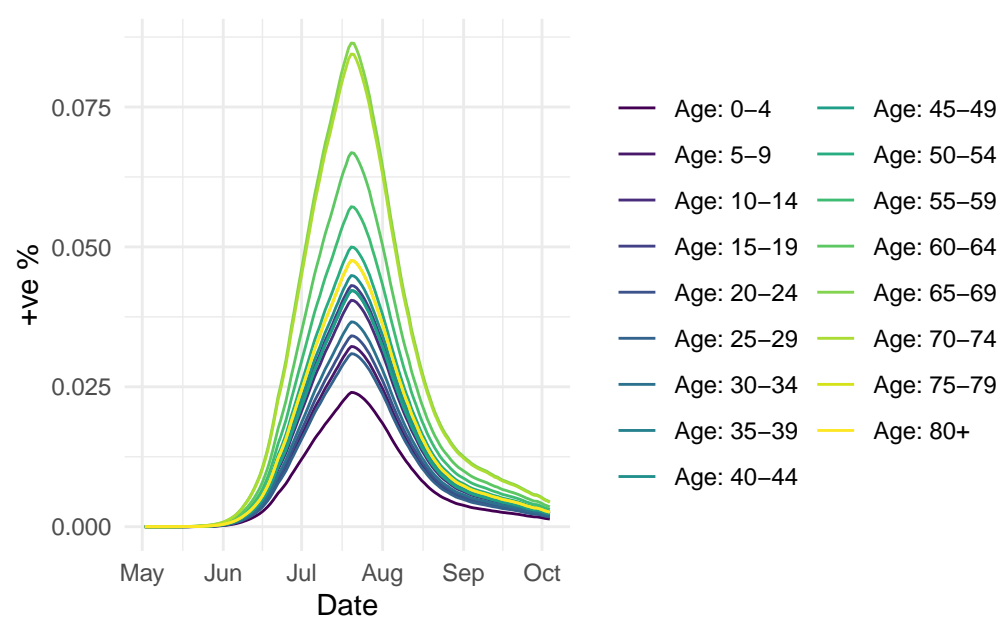


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

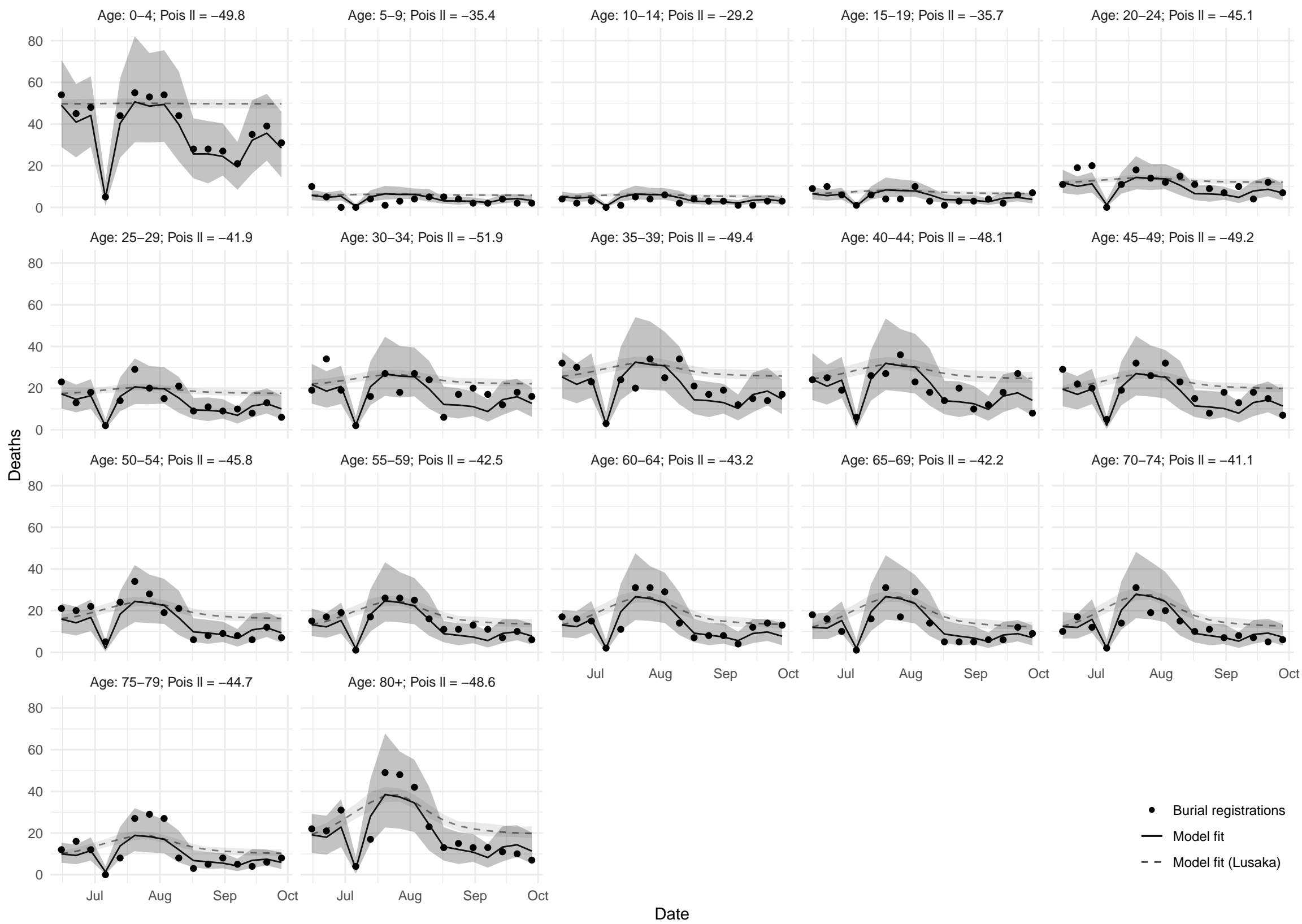
PCR % (Lusaka)
 Sero % (Lusaka)



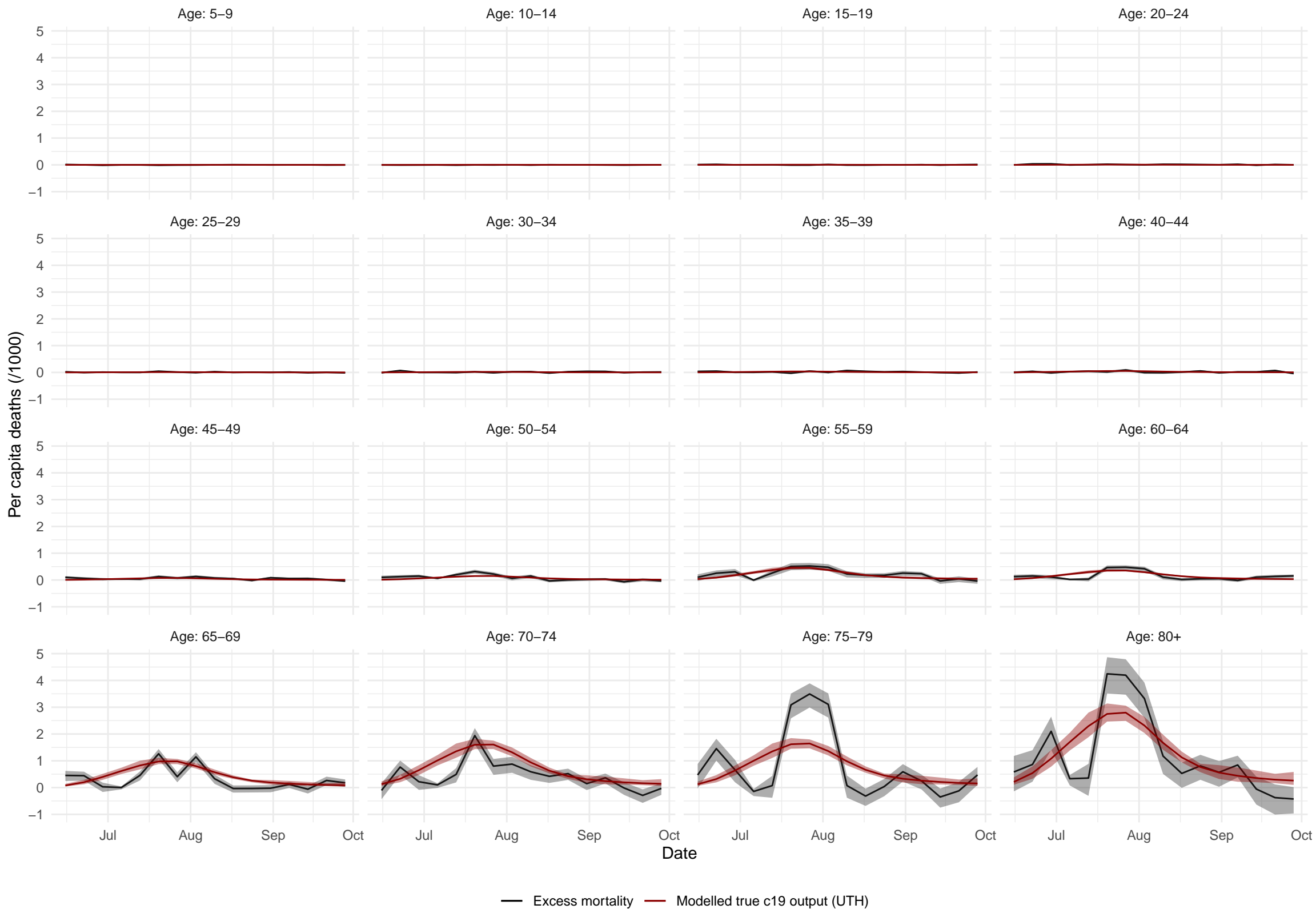
Modelled PCR %



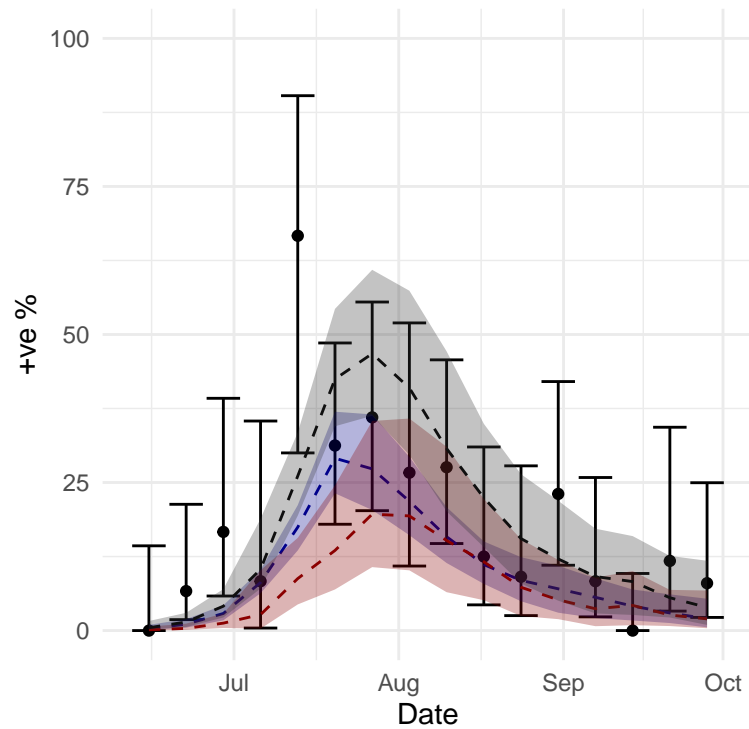
IFR x2.5, Slope x1
Lusaka weekly burial registrations



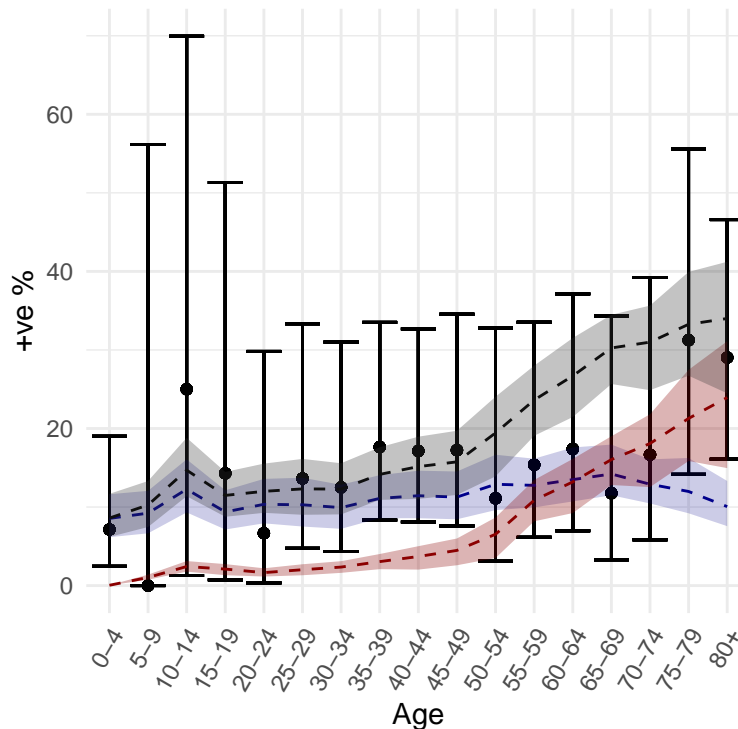
IFR x 2.5, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



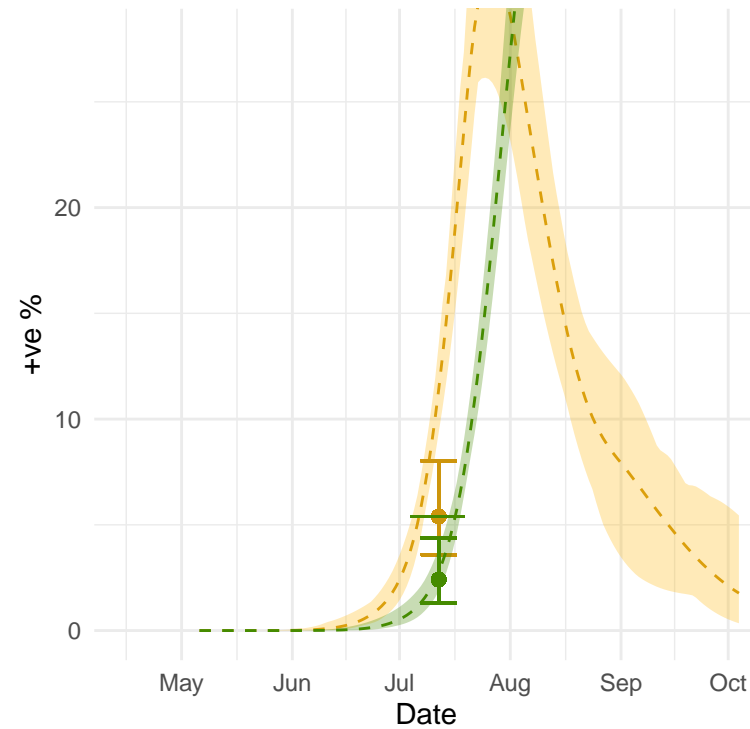
IFR x 0.2, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

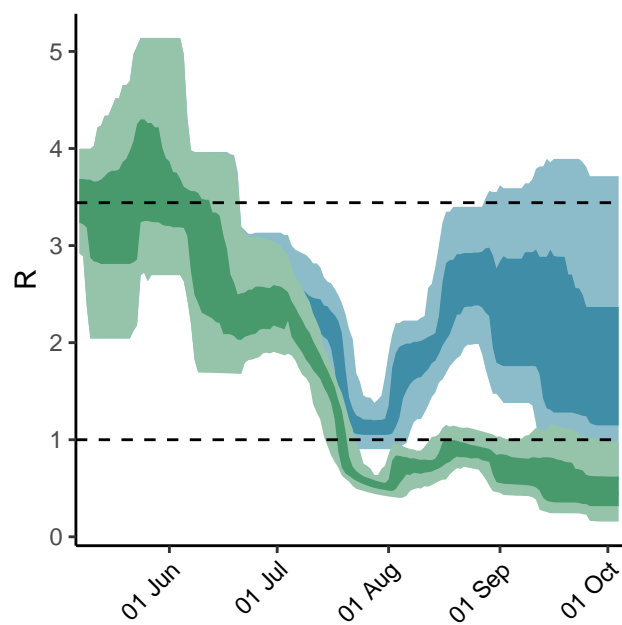


COVID-19 prevalence
 Lusaka/Zambia

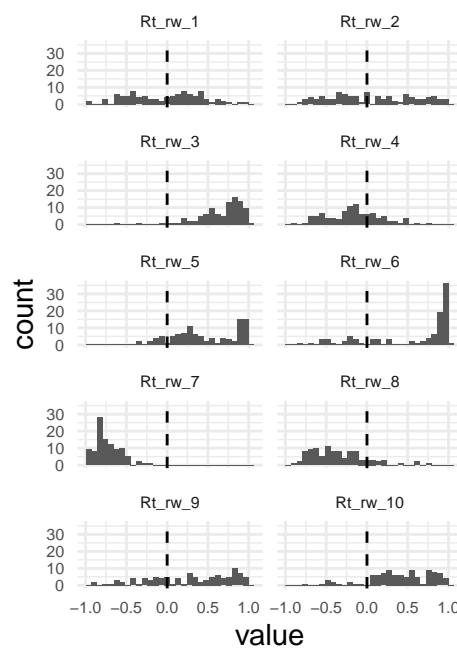


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

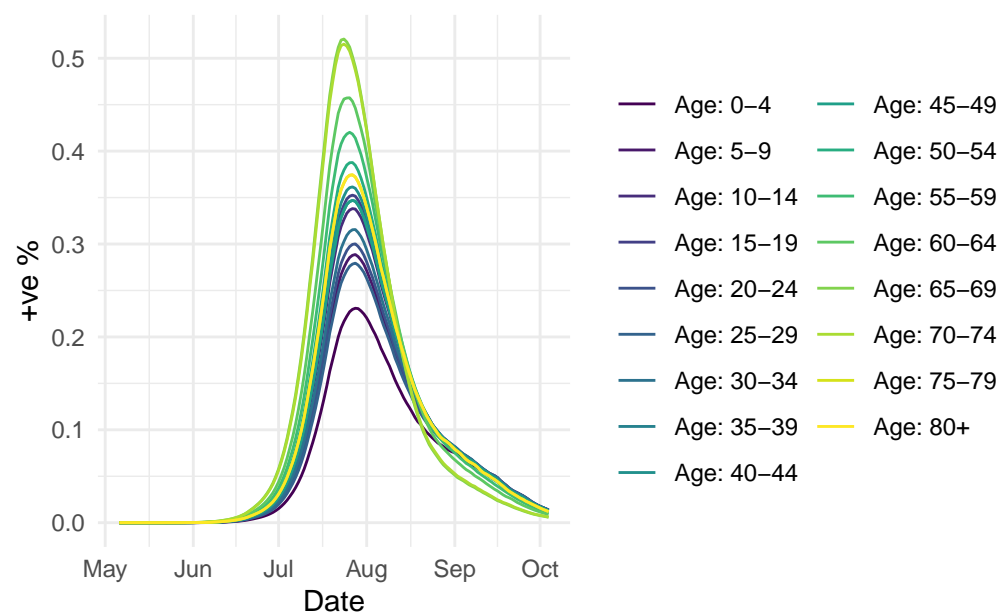
PCR % (Lusaka)
 Sero % (Lusaka)

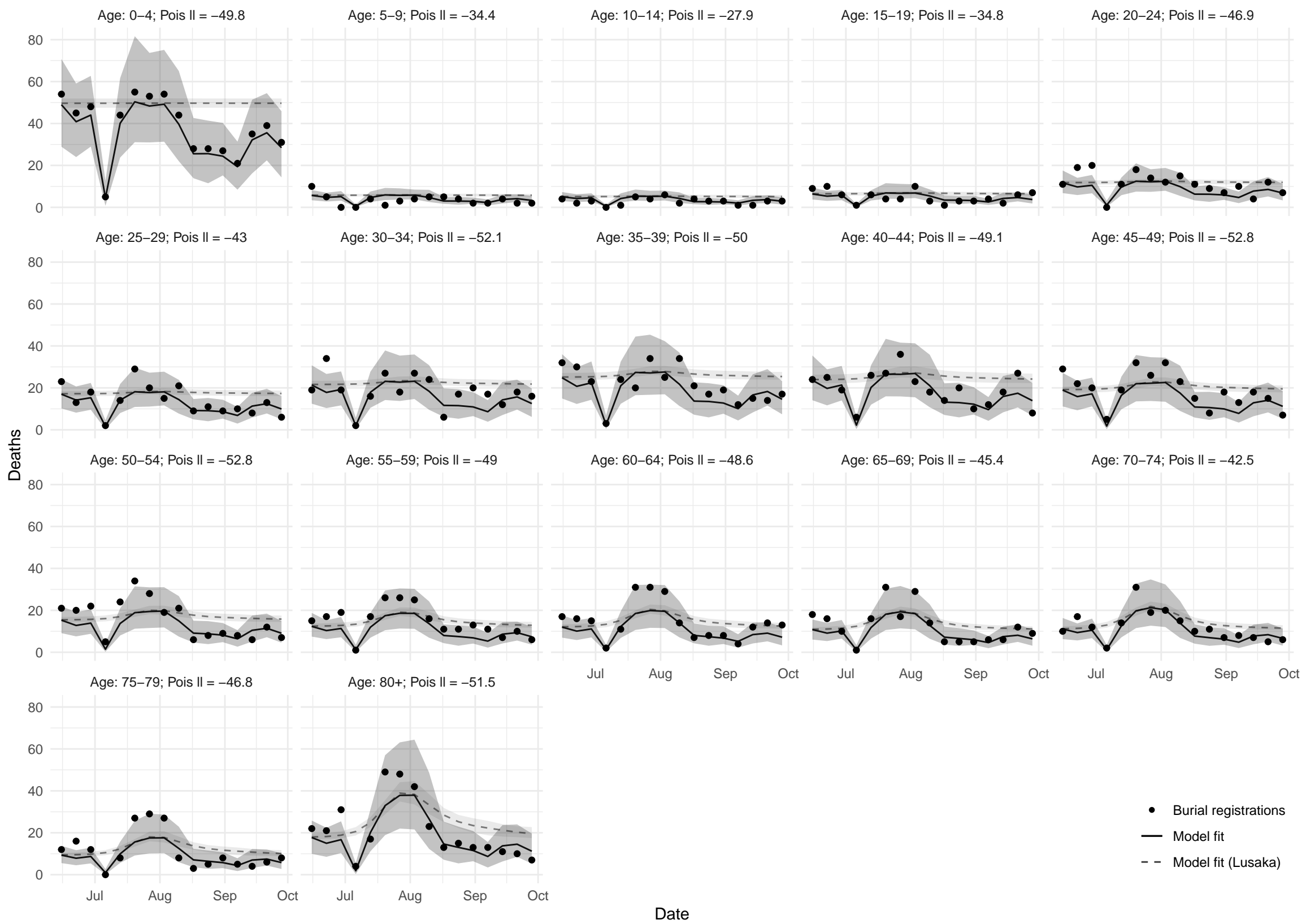


Reff
 Rt

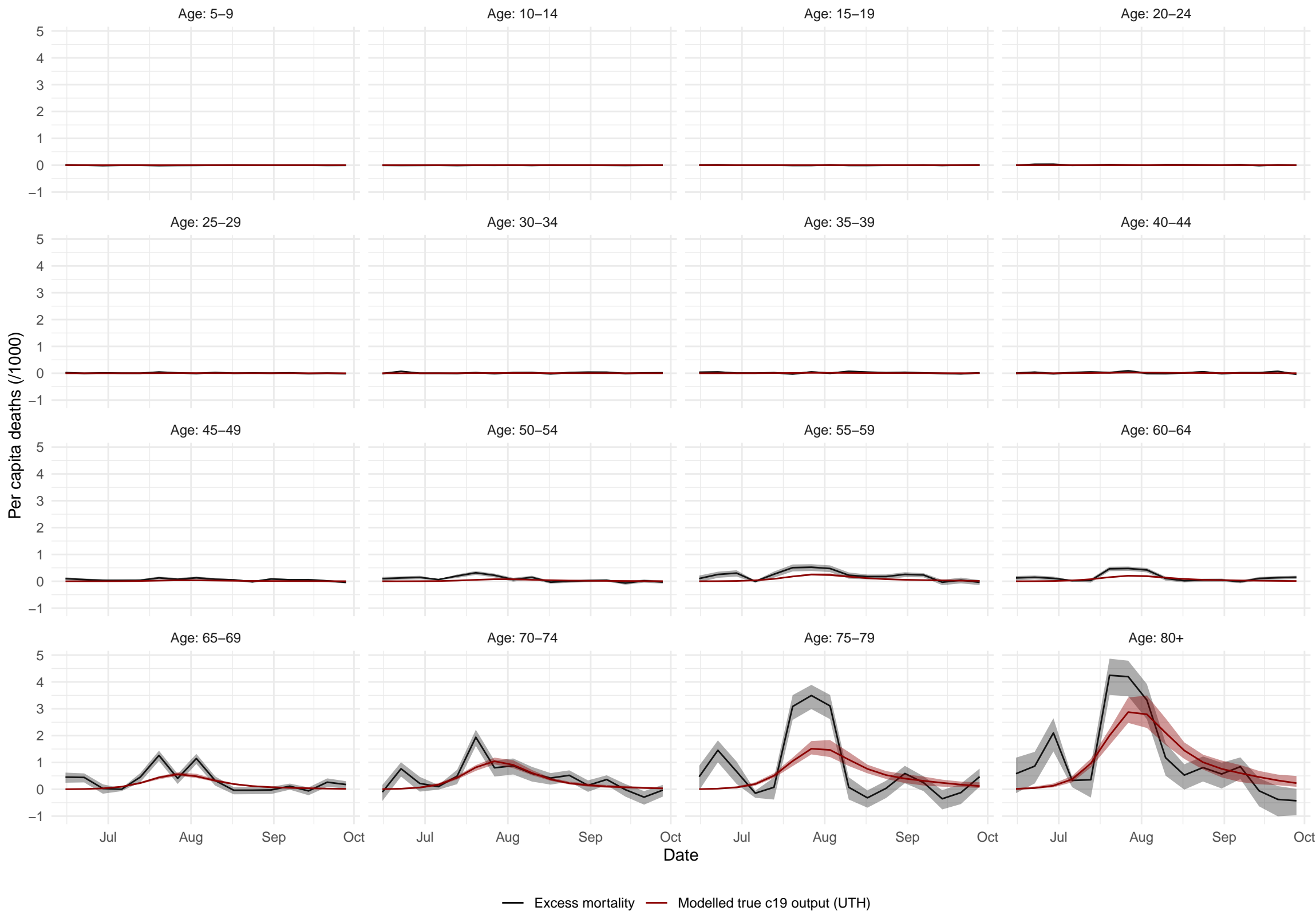


Modelled PCR %

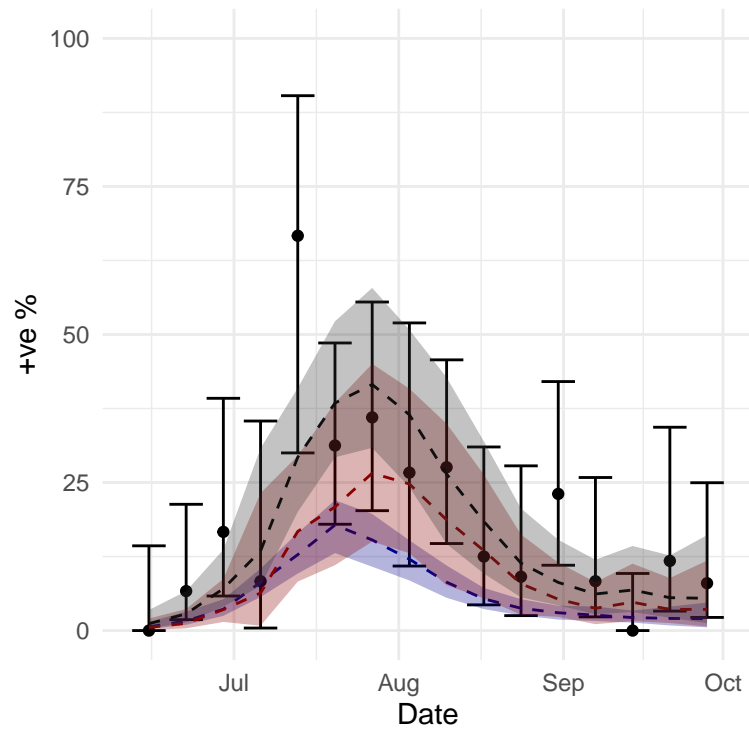




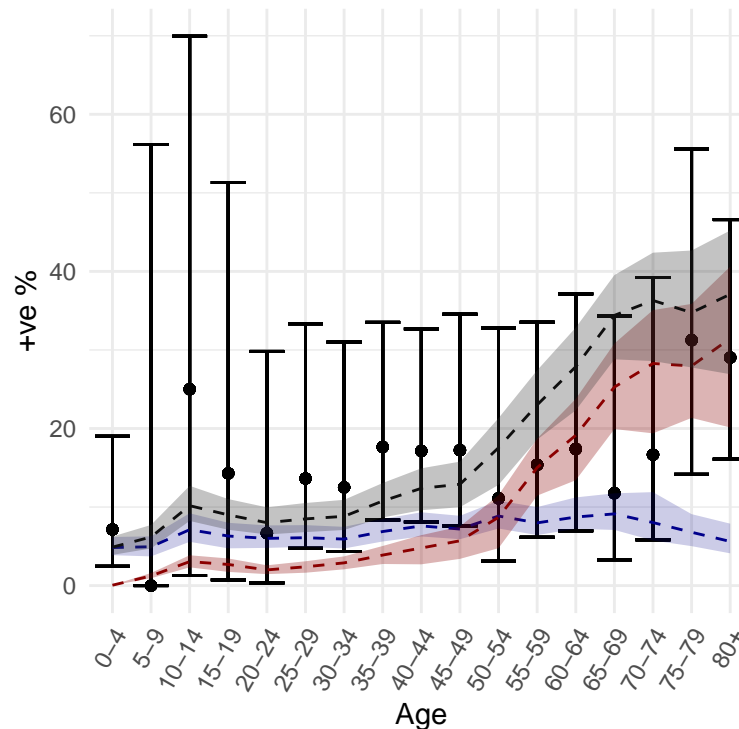
IFR x 0.2, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



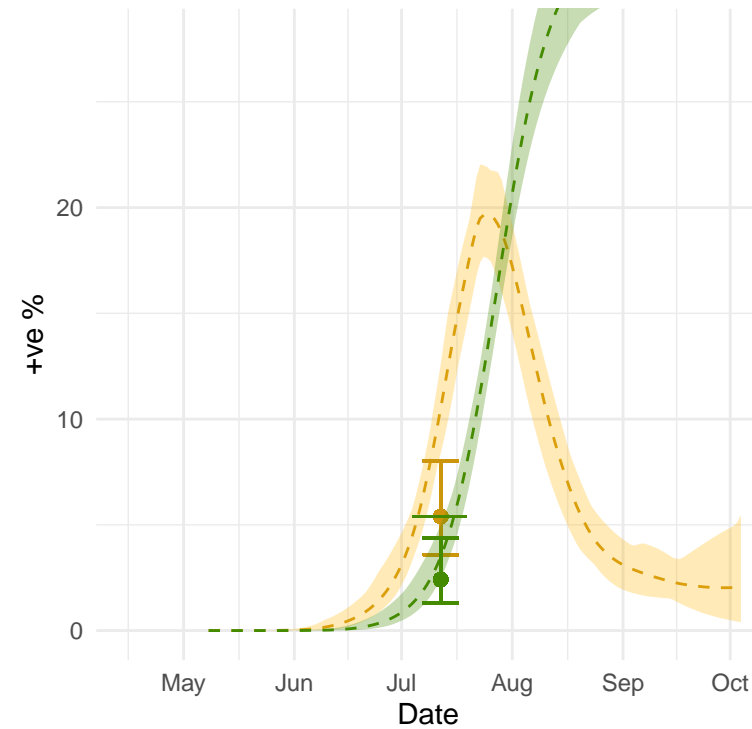
IFR x 0.4, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

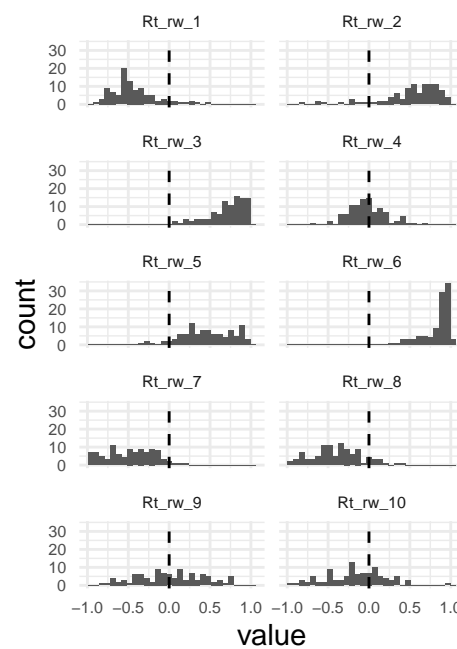
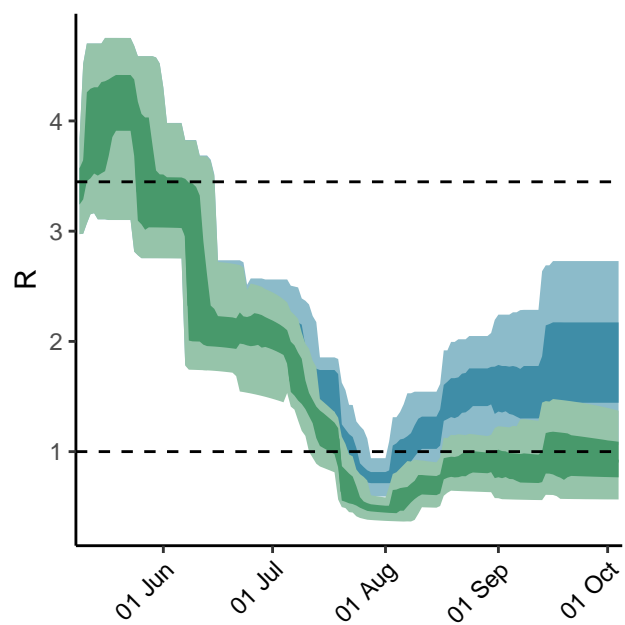


COVID-19 prevalence
 Lusaka/Zambia

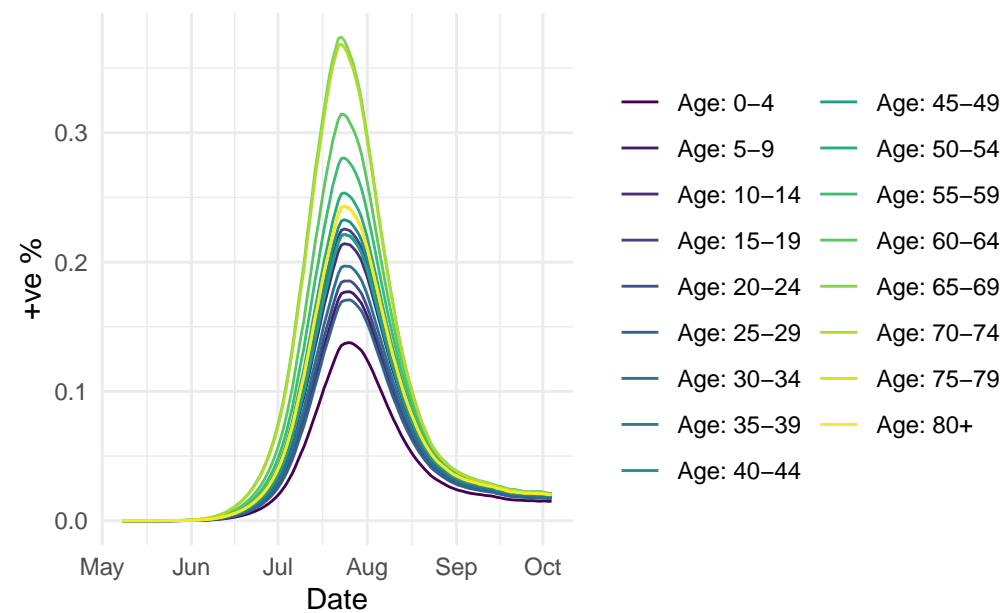


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

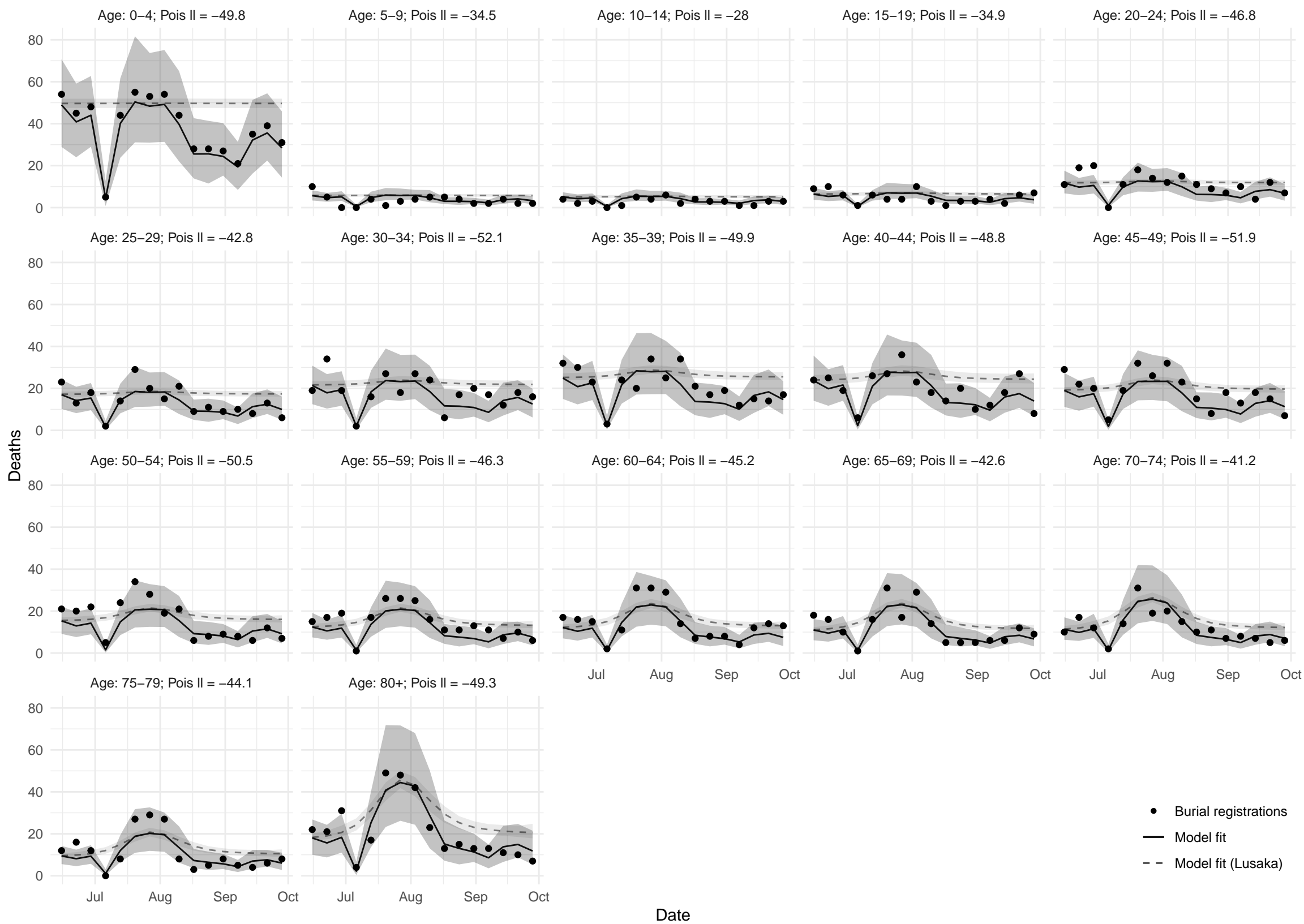
PCR % (Lusaka)
 Sero % (Lusaka)



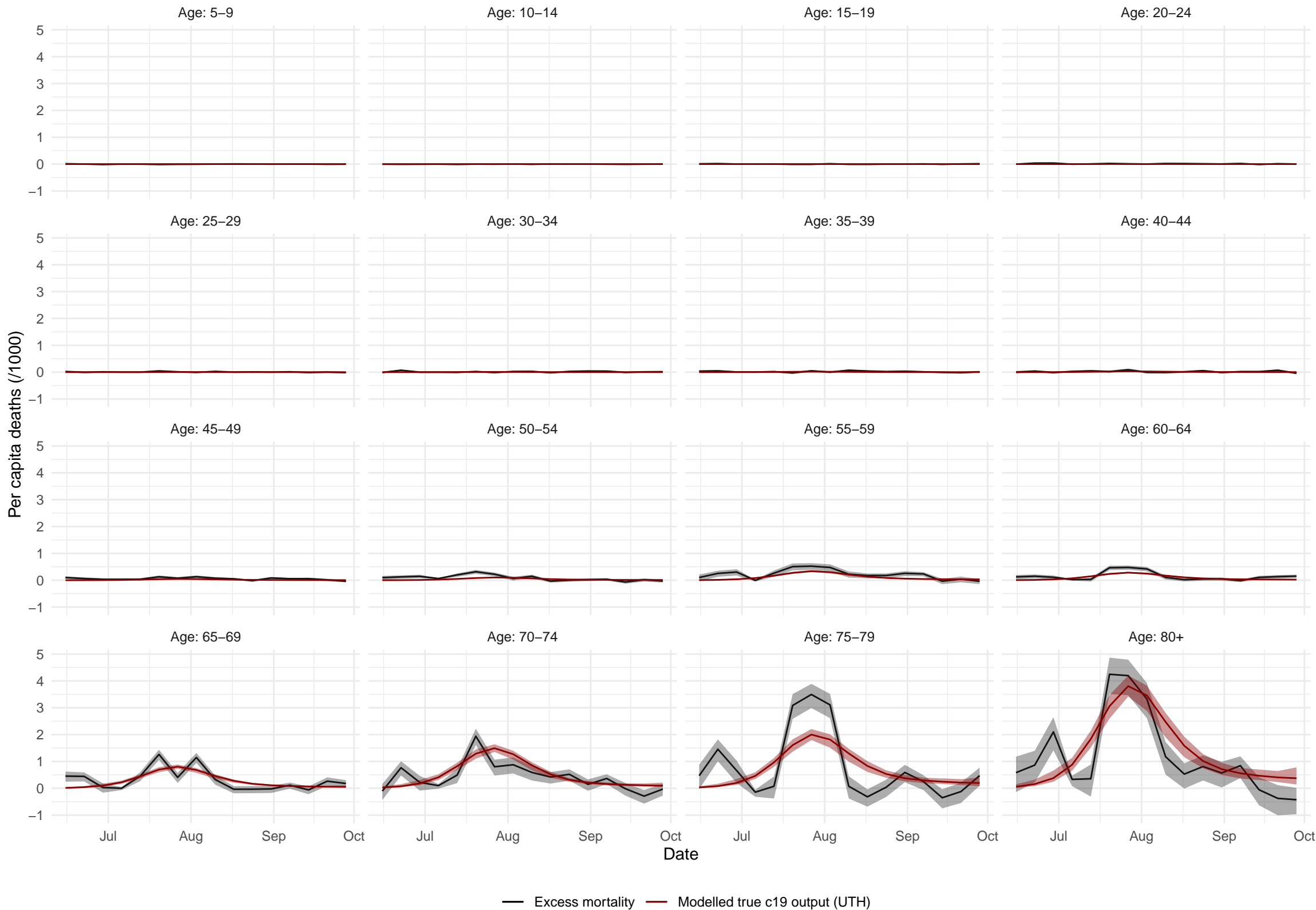
Modelled PCR %



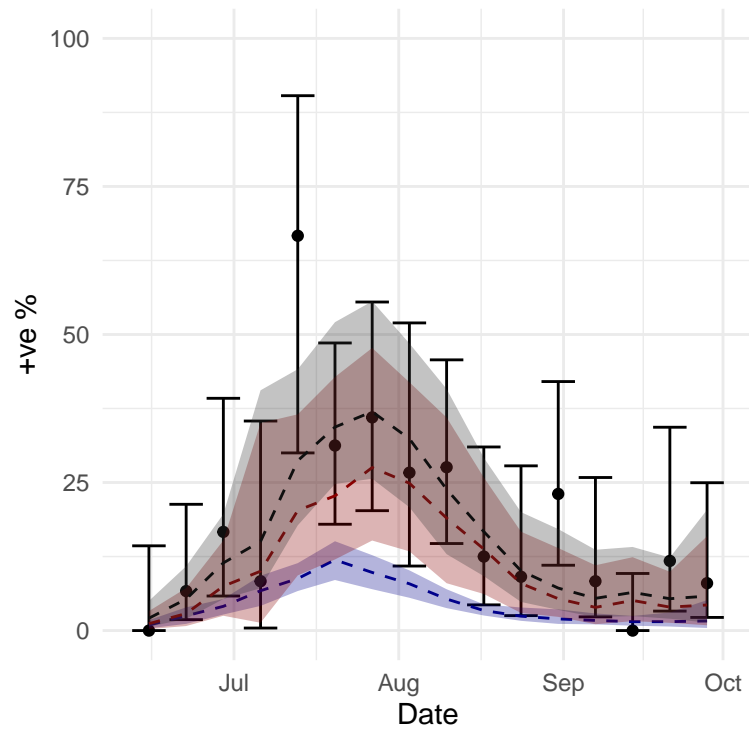
IFR x0.4, Slope x1.25
Lusaka weekly burial registrations



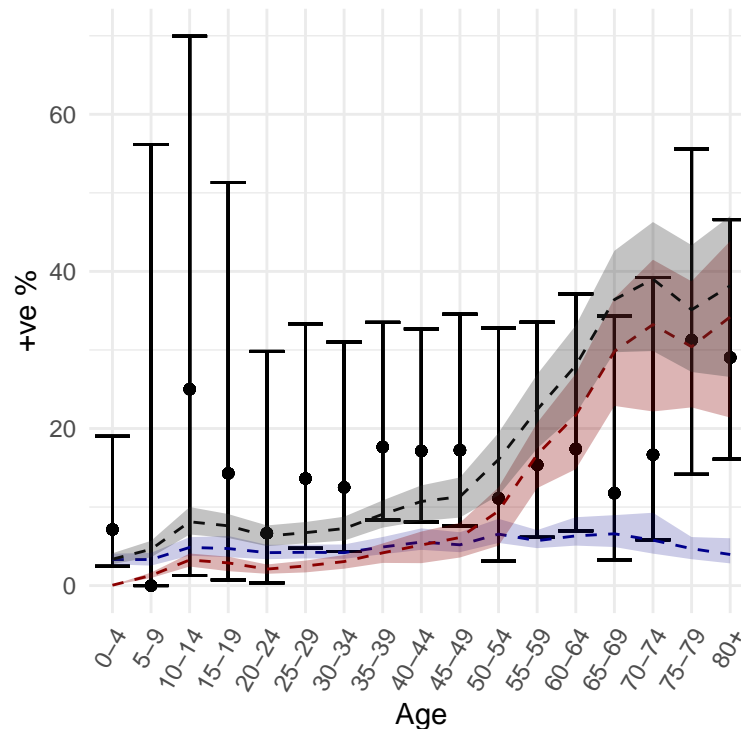
IFR x 0.4, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



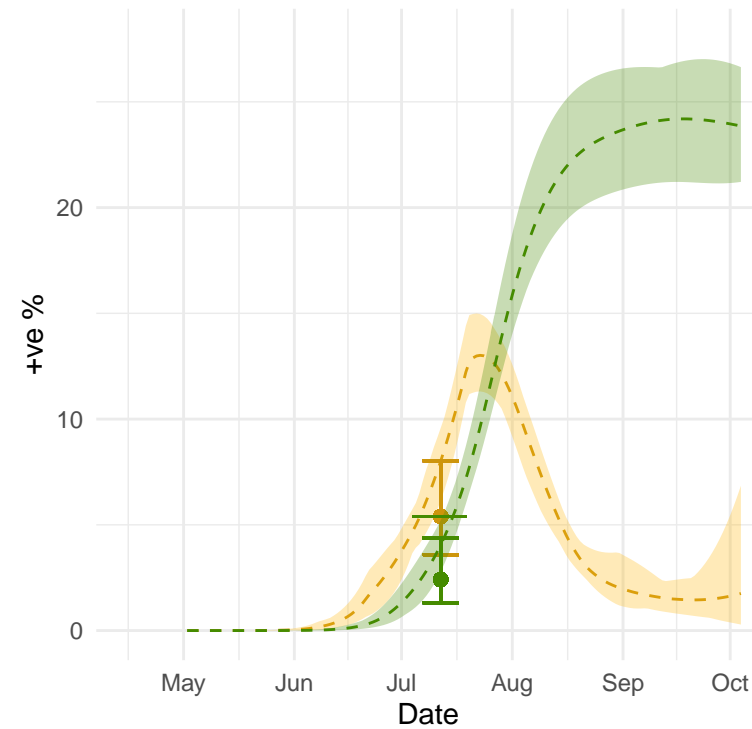
IFR x 0.6, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

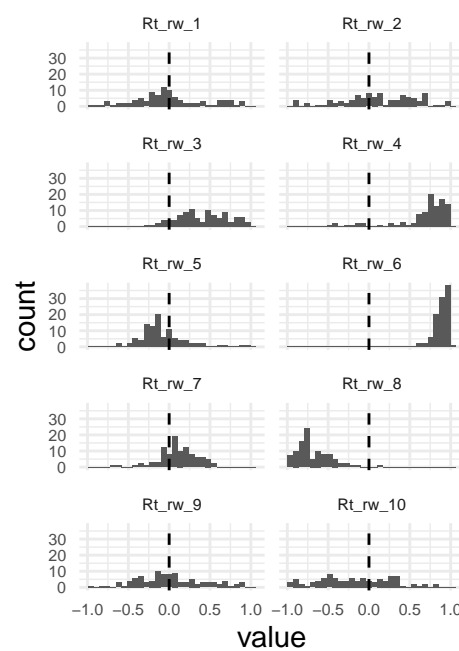
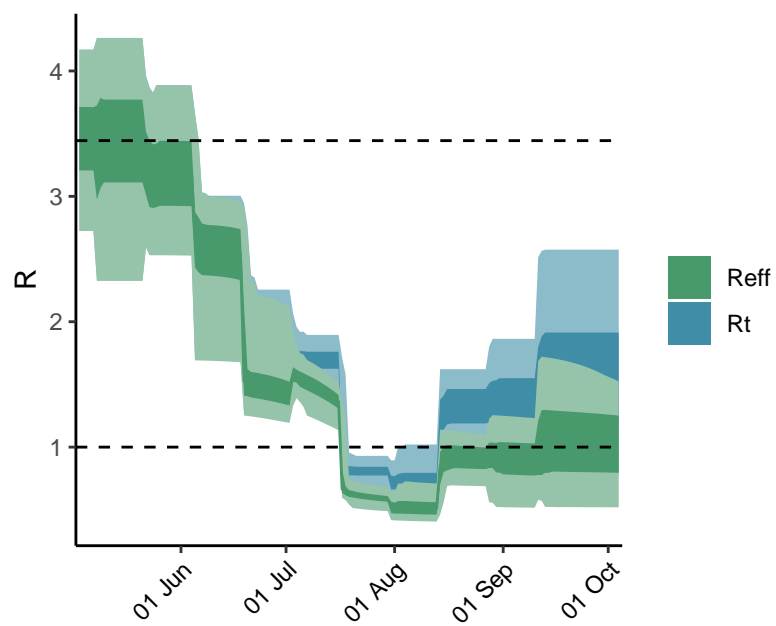


COVID-19 prevalence
 Lusaka/Zambia

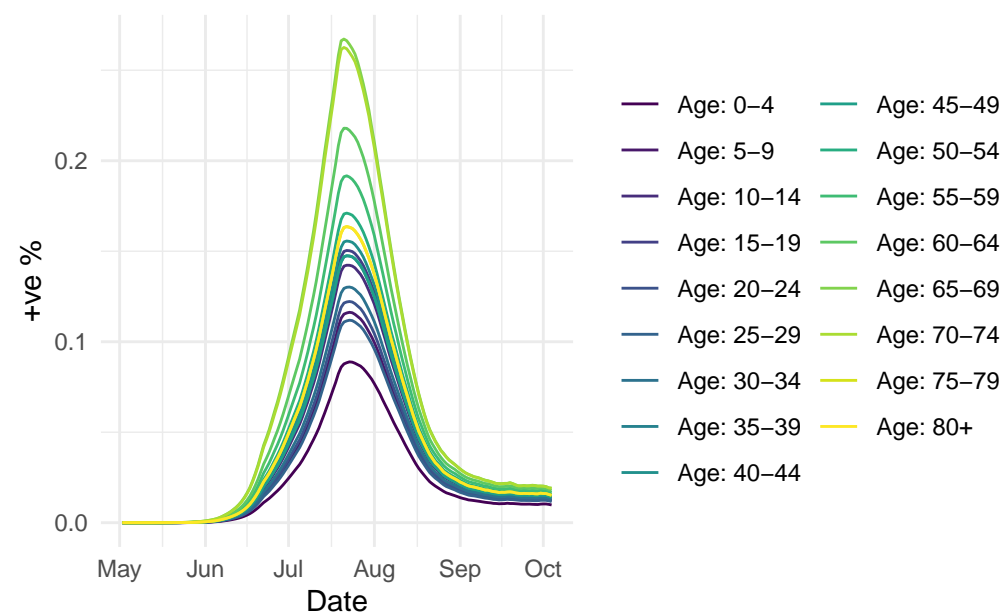


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

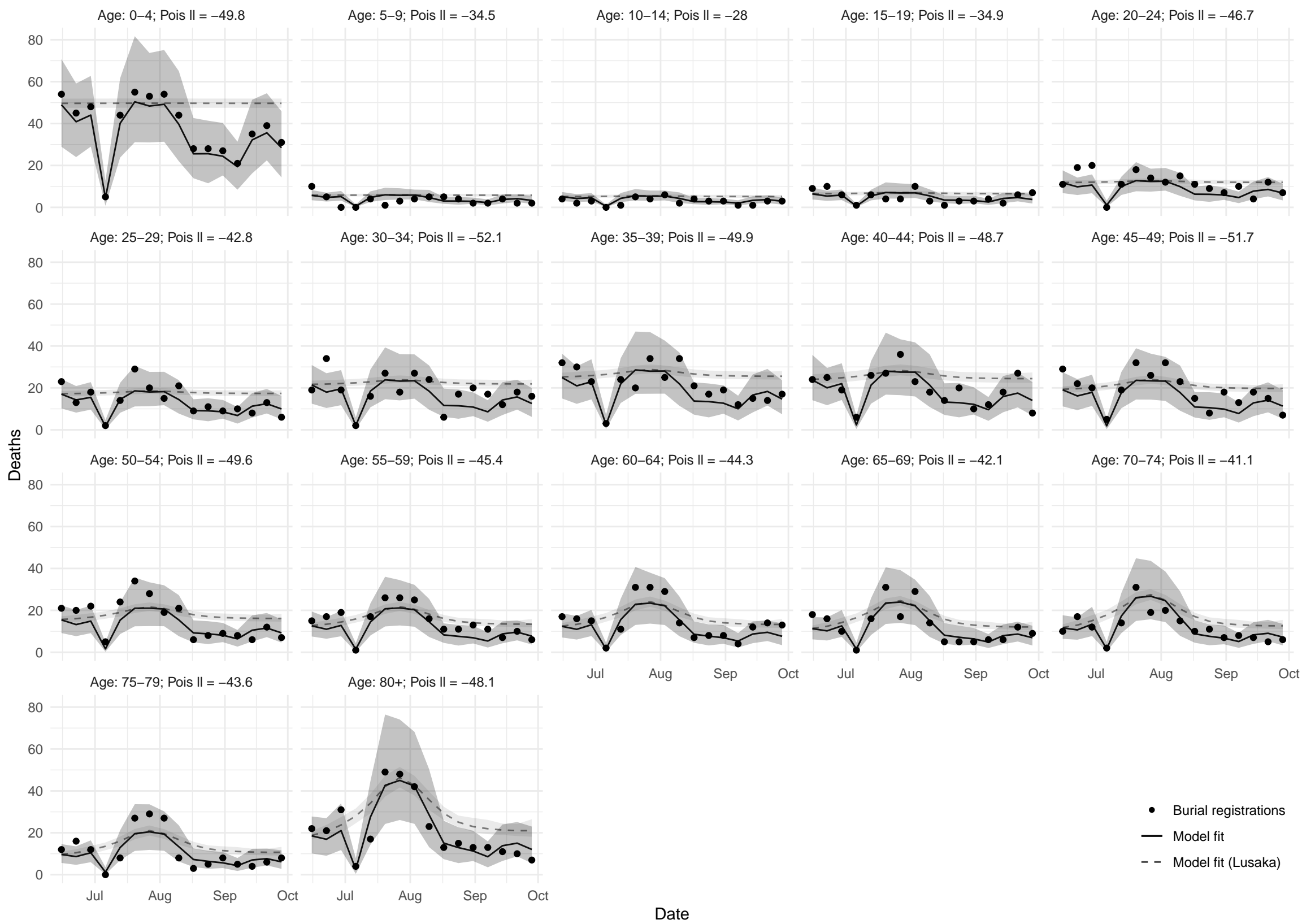
PCR % (Lusaka)
 Sero % (Lusaka)



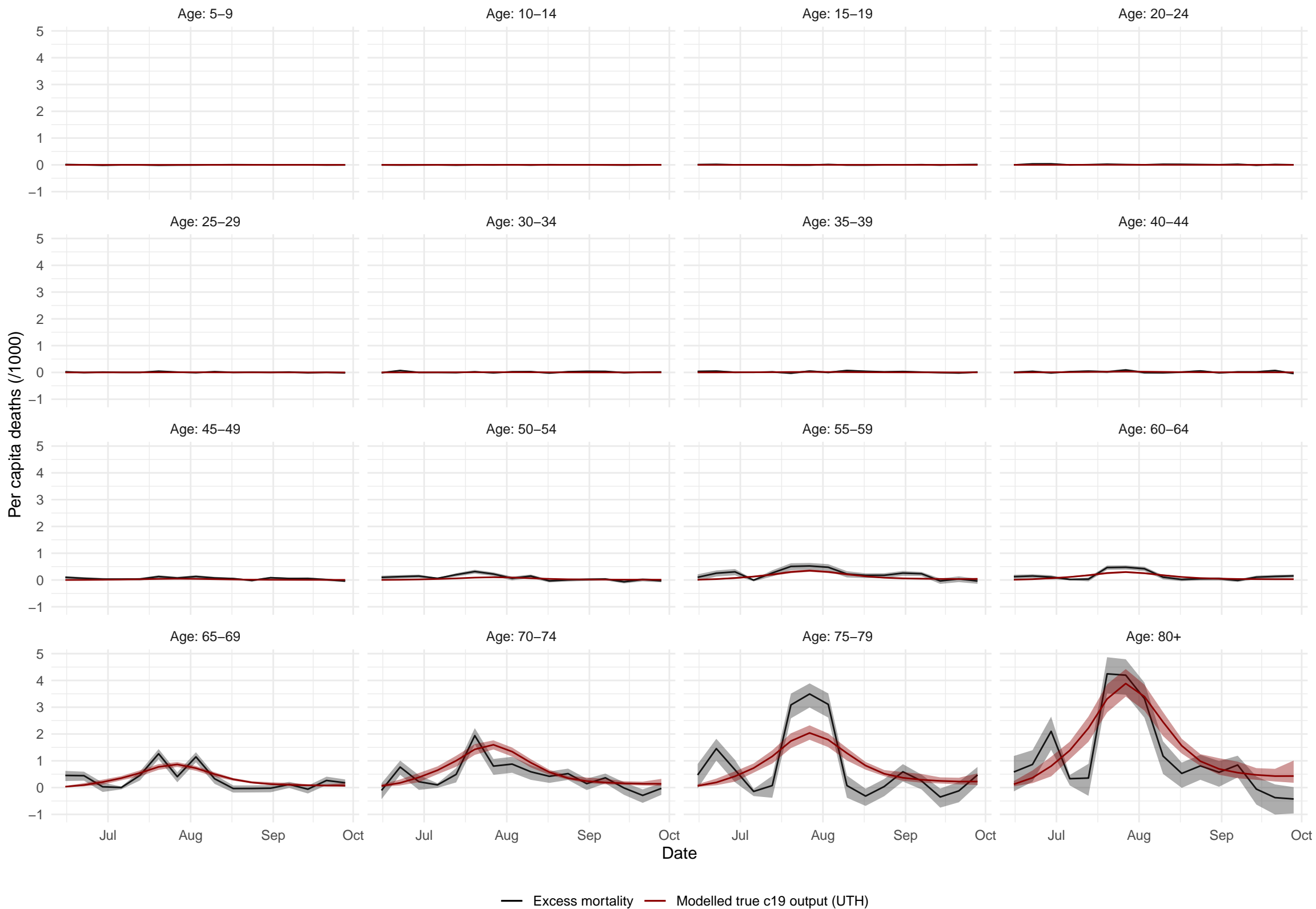
Modelled PCR %



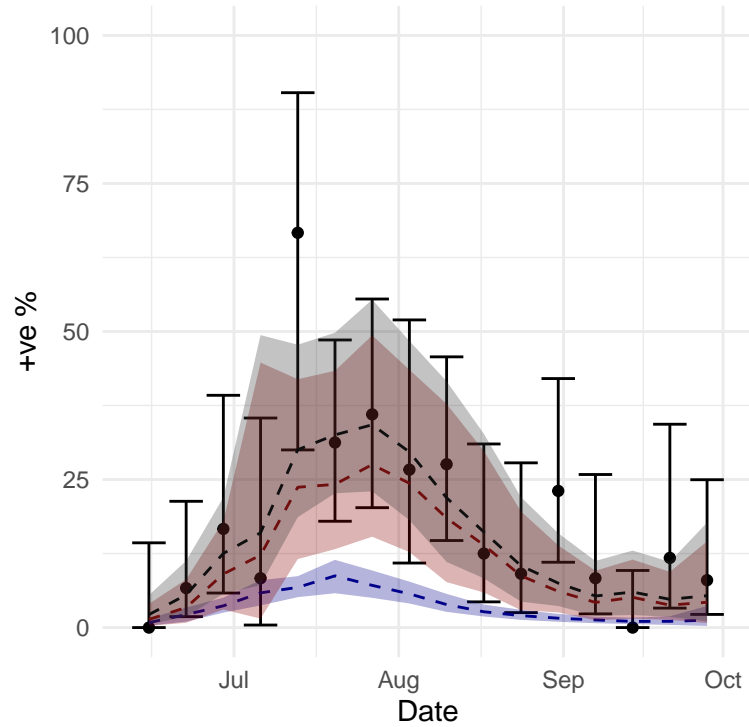
IFR x0.6, Slope x1.25
Lusaka weekly burial registrations



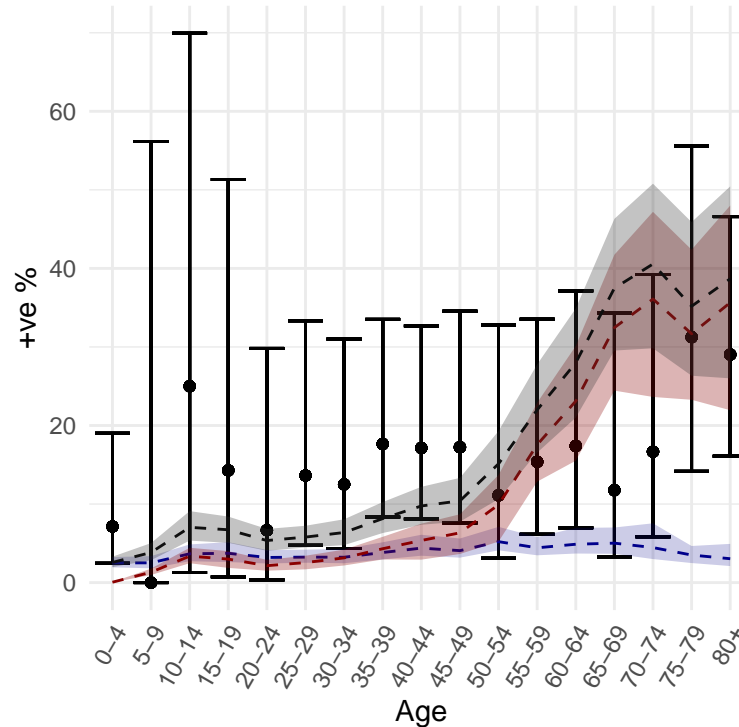
IFR x 0.6, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



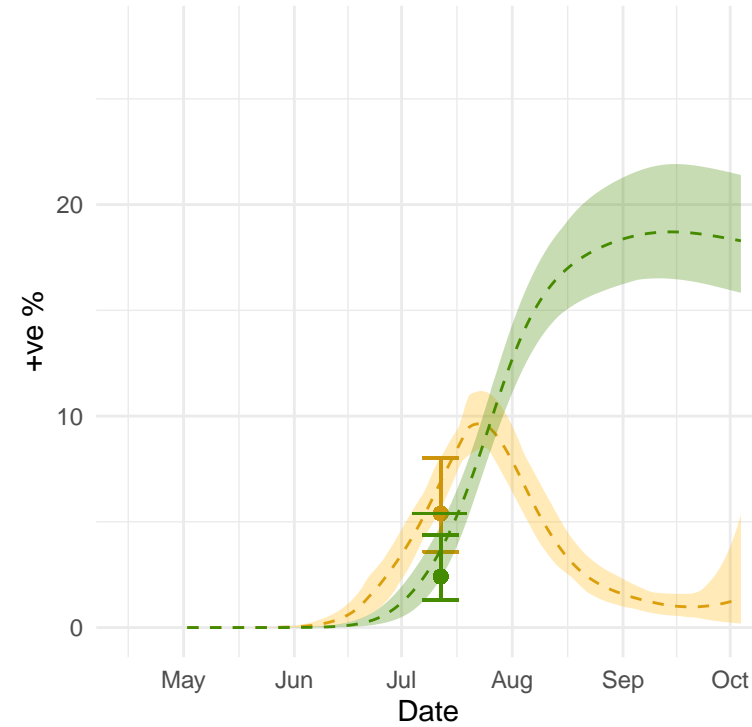
IFR x 0.8, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

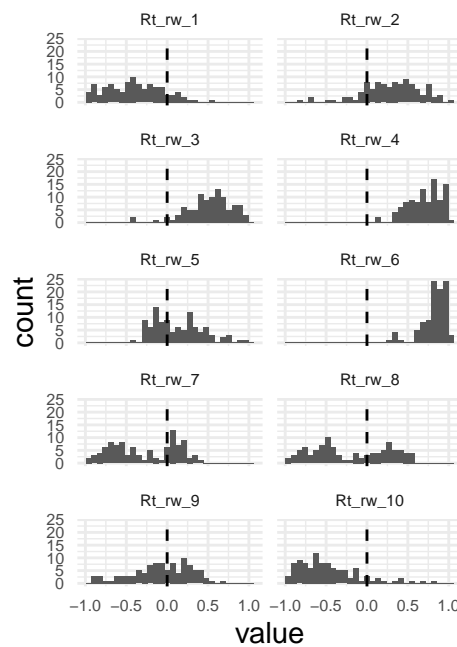
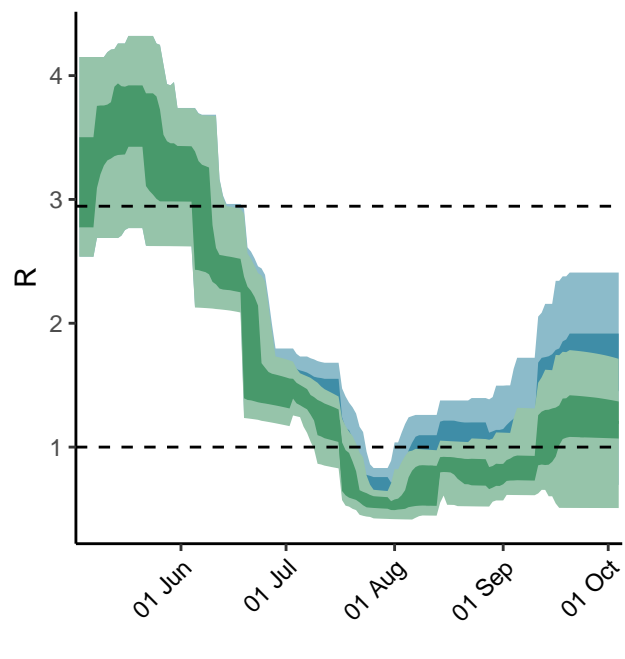


COVID-19 prevalence
 Lusaka/Zambia

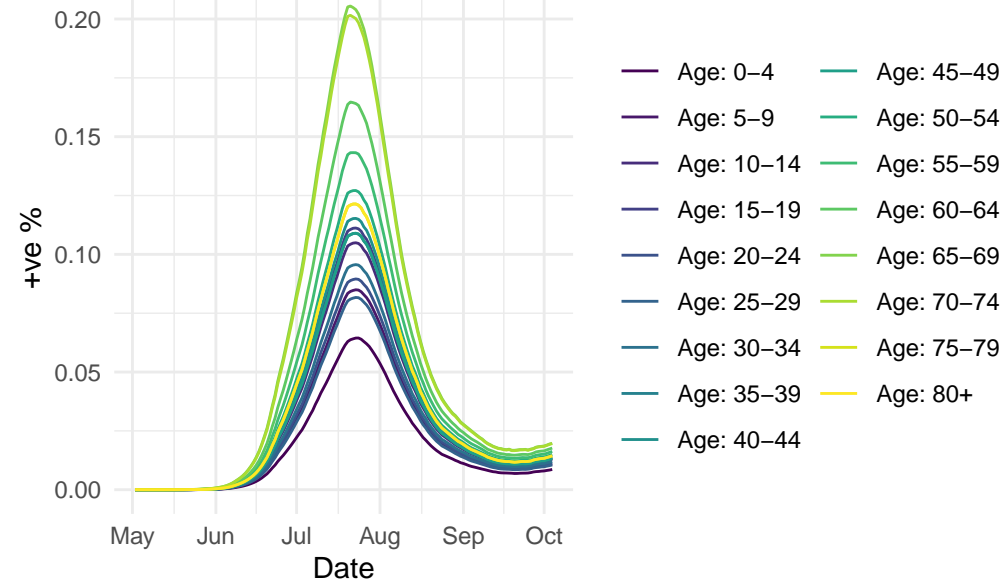


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

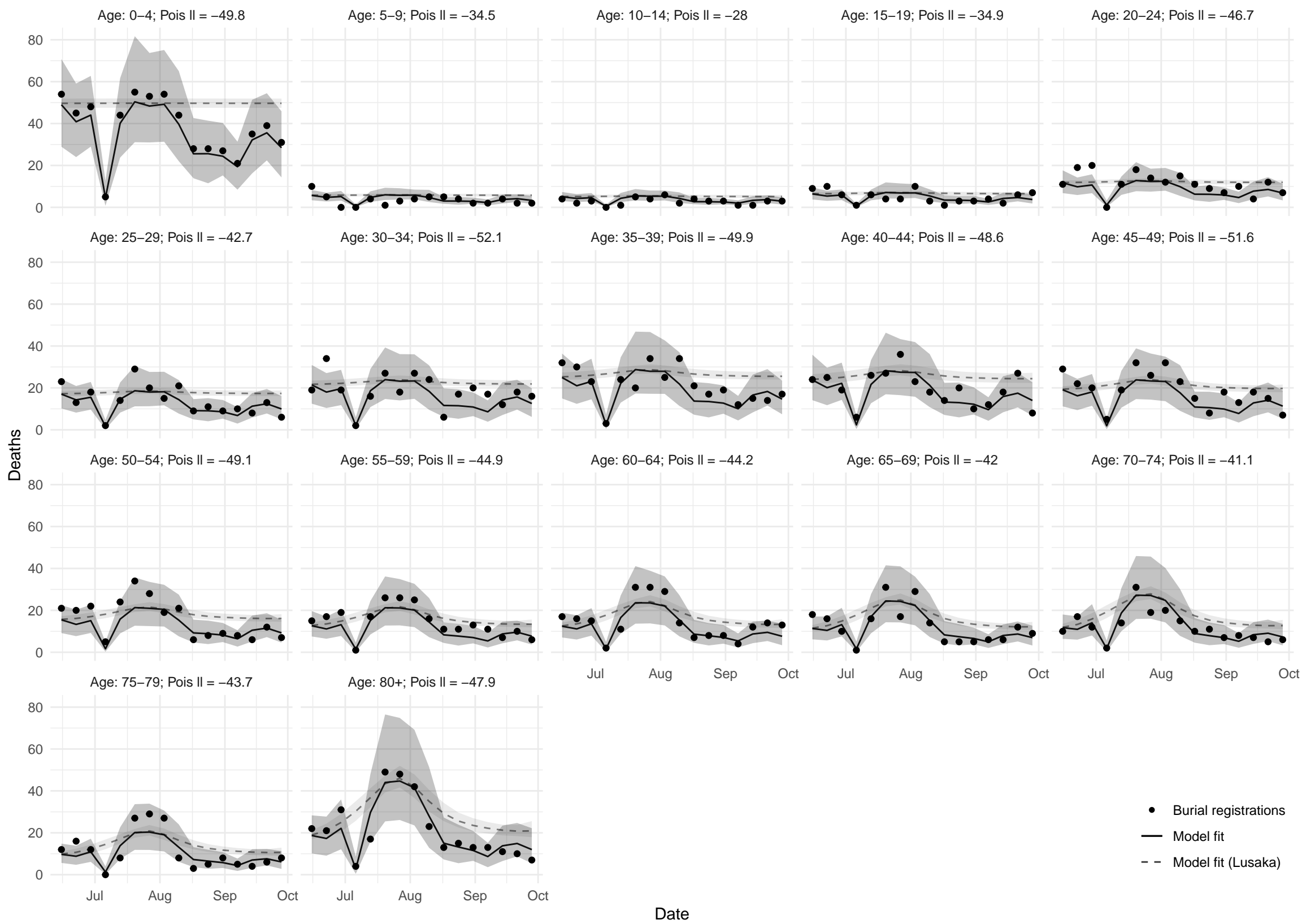
PCR % (Lusaka)
 Sero % (Lusaka)



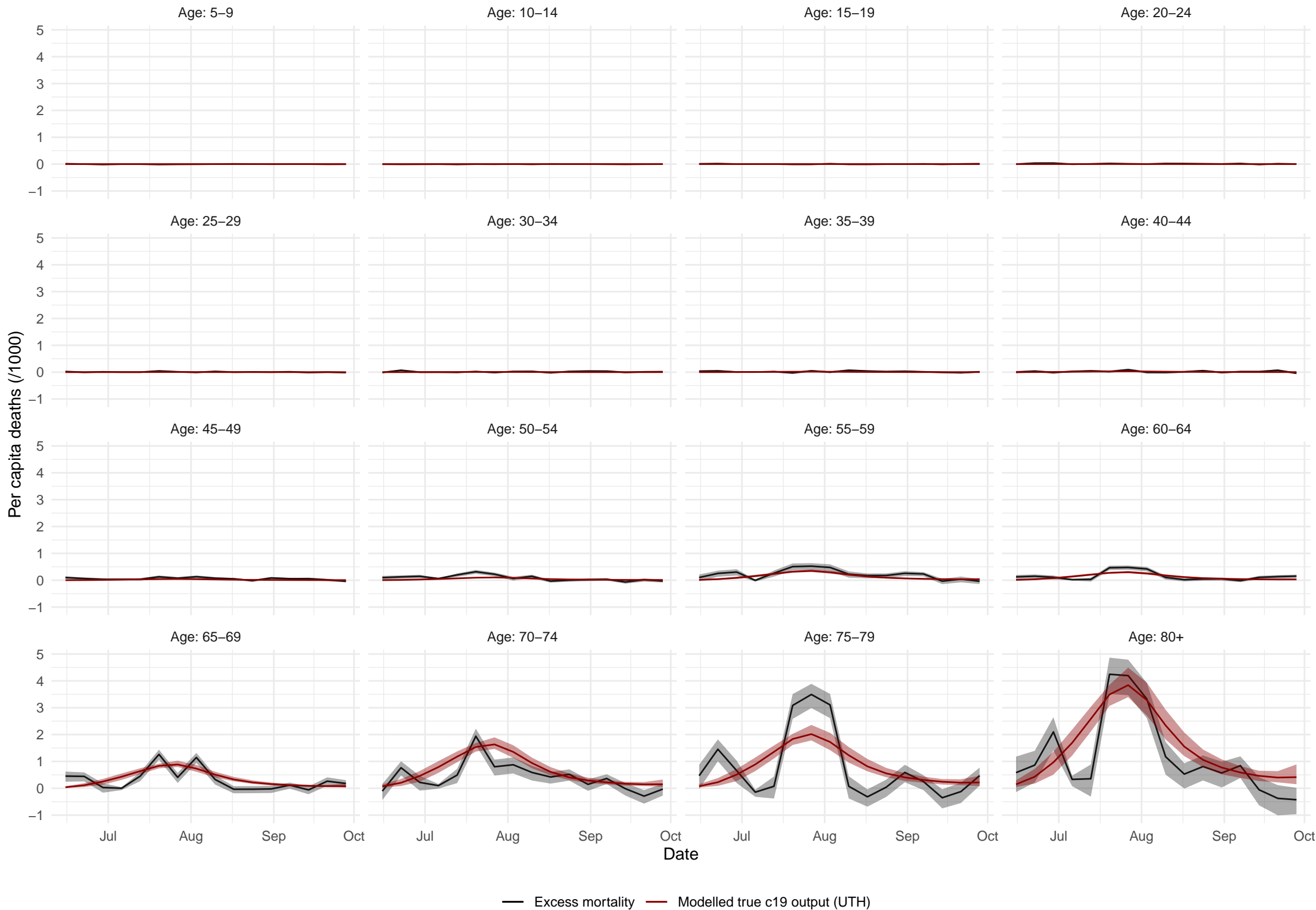
Modelled PCR %



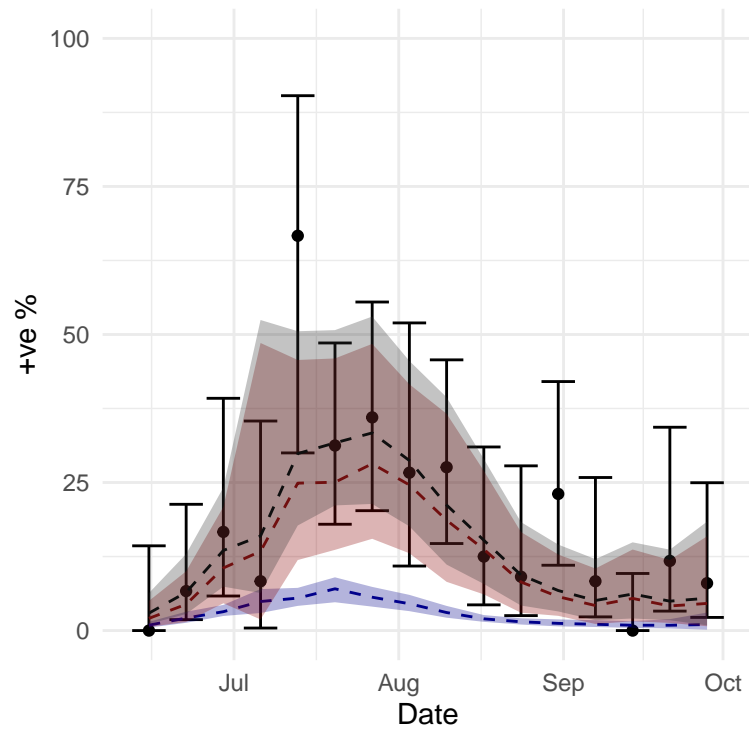
IFR x0.8, Slope x1.25
Lusaka weekly burial registrations



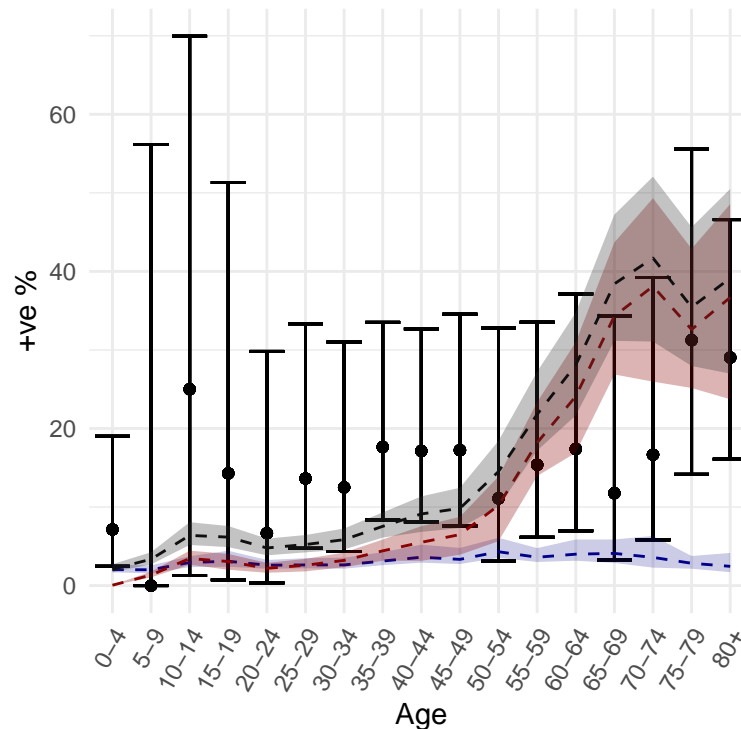
IFR x 0.8, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



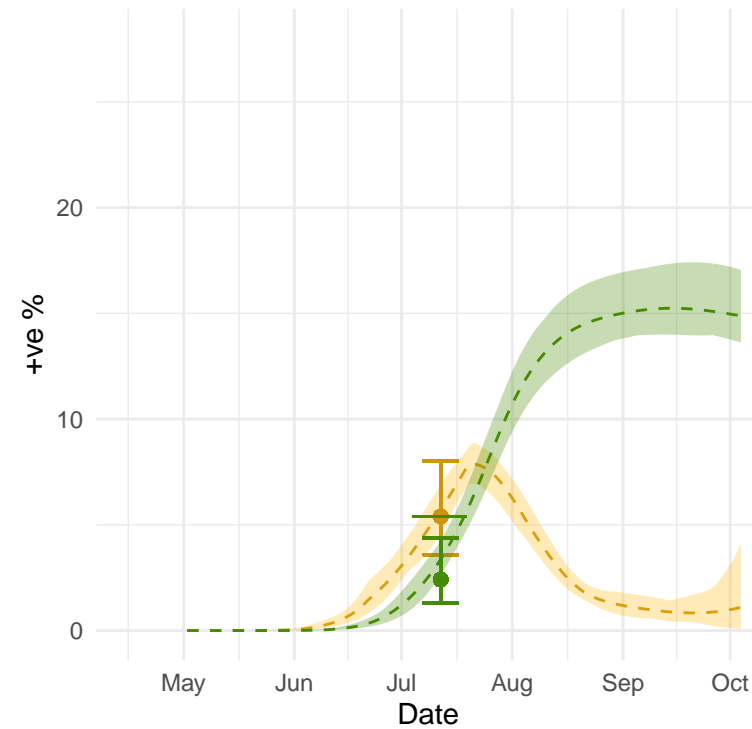
IFR x 1, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

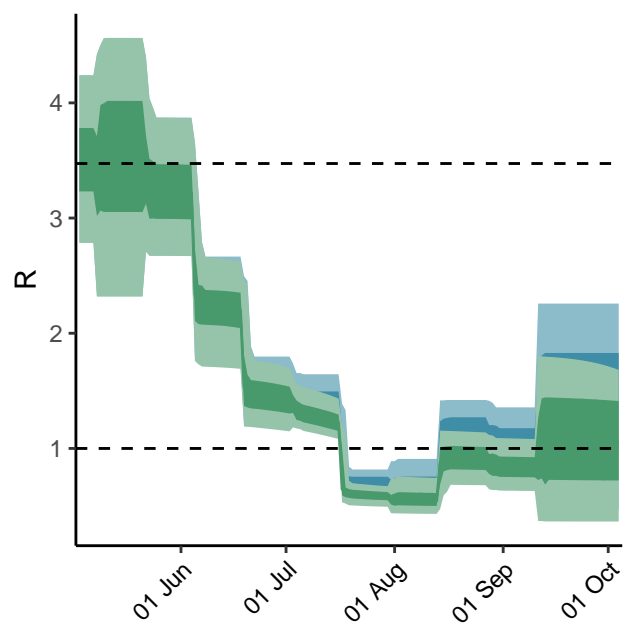


COVID-19 prevalence
 Lusaka/Zambia

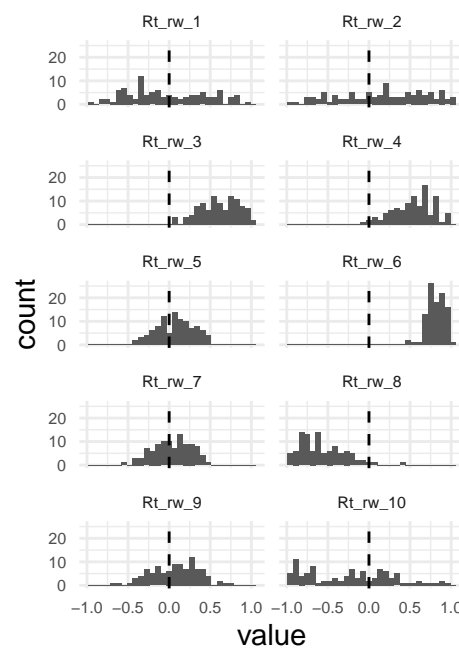


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

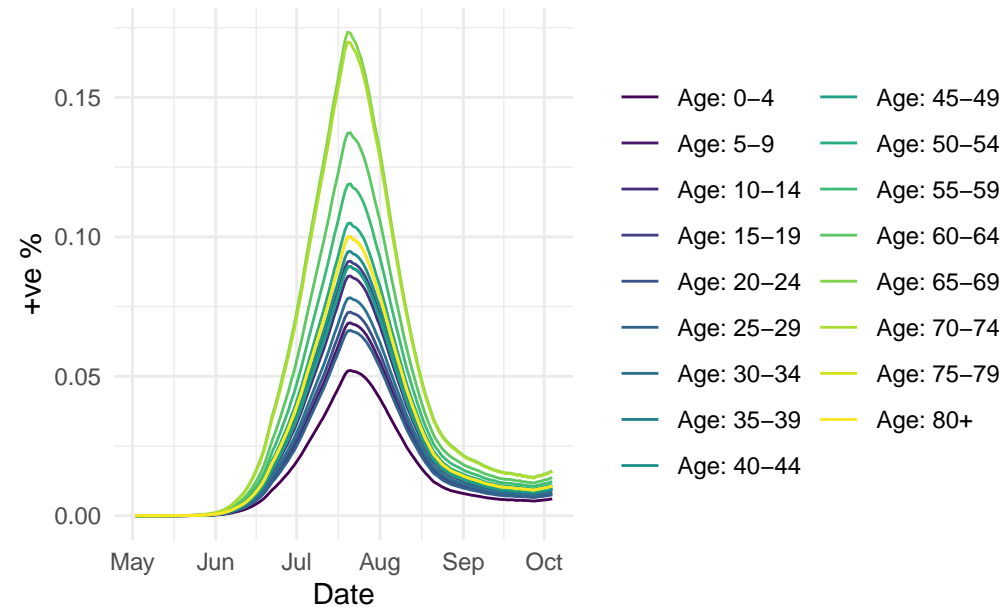
PCR % (Lusaka)
 Sero % (Lusaka)



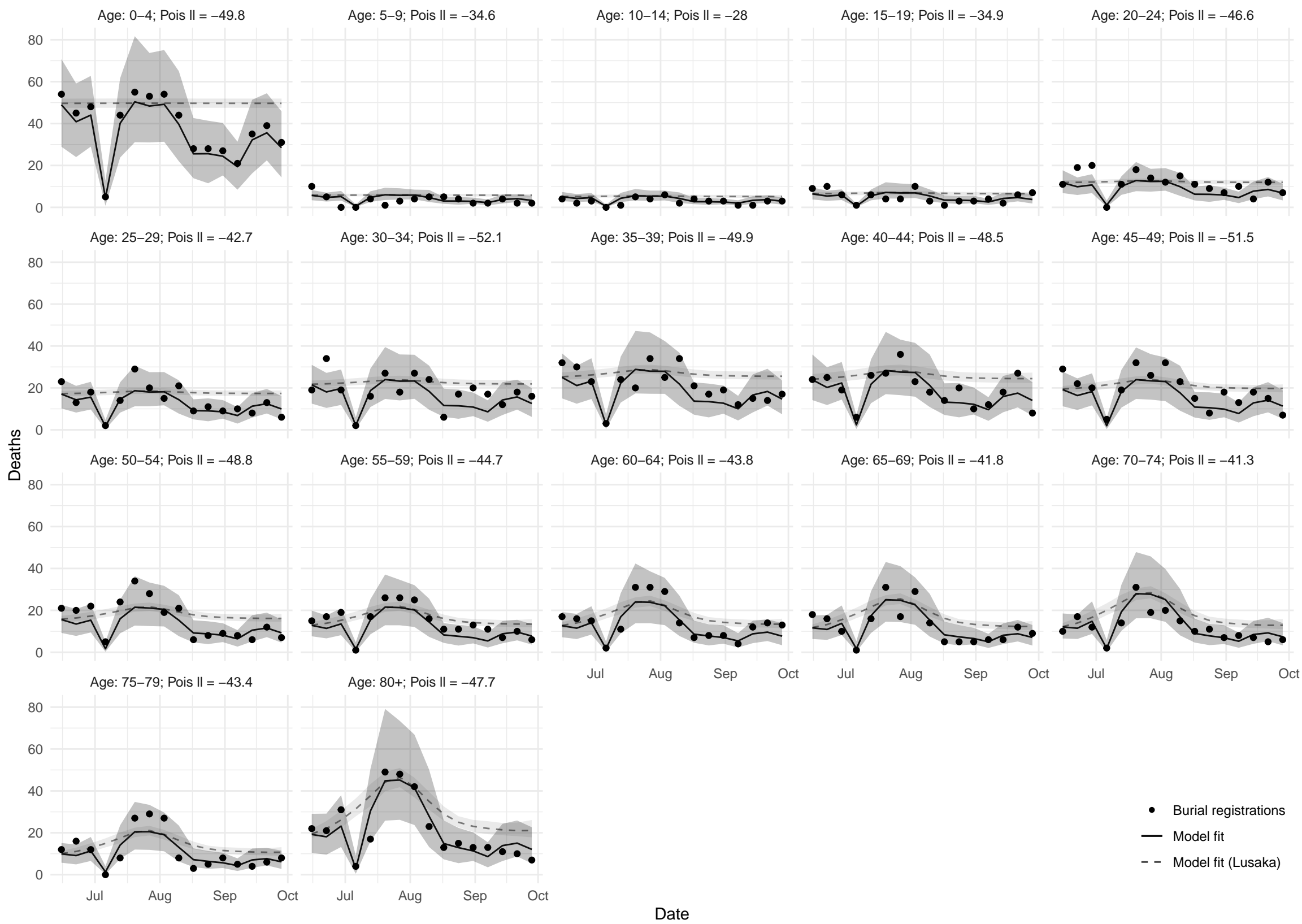
Reff
 Rt



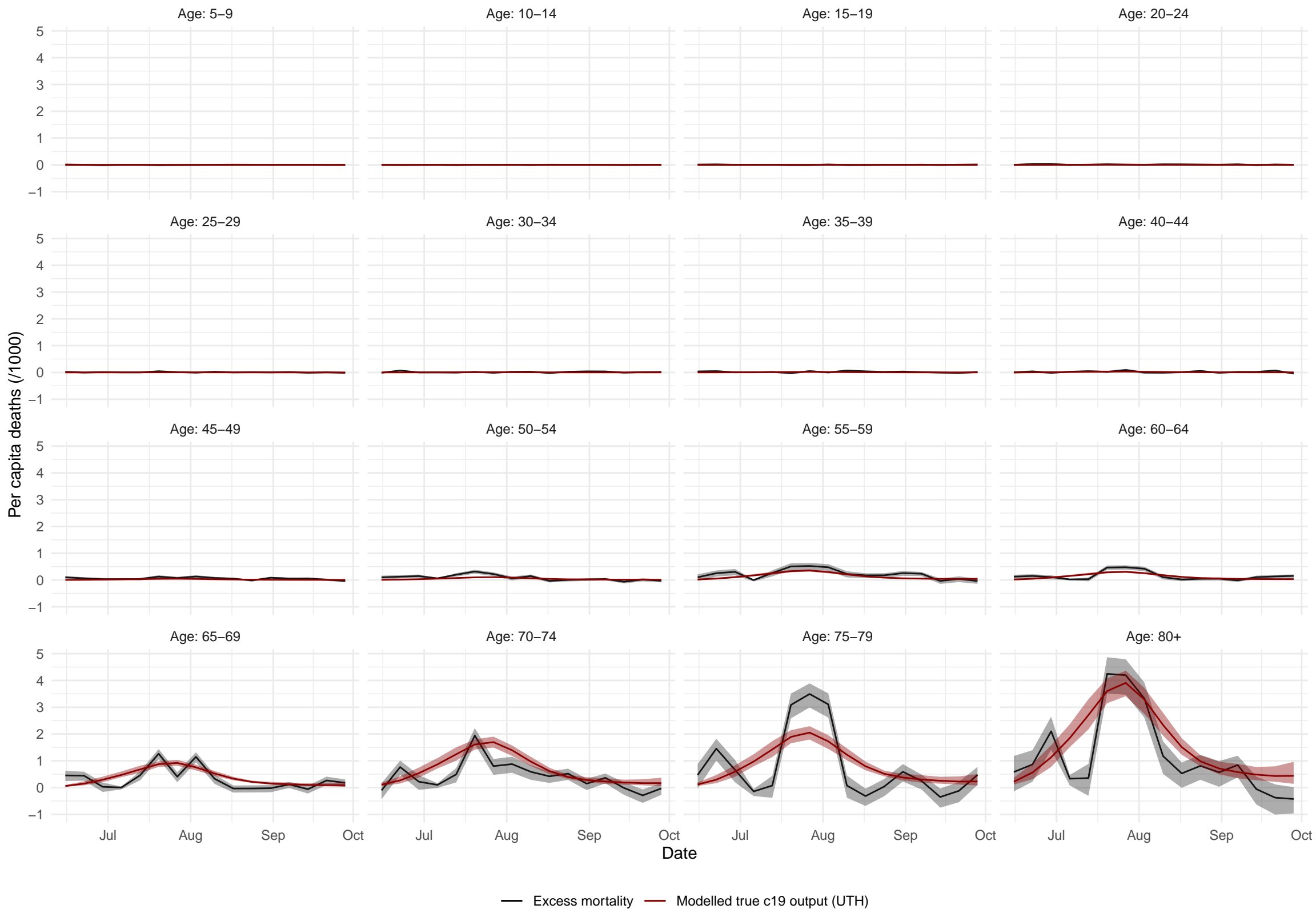
Modelled PCR %



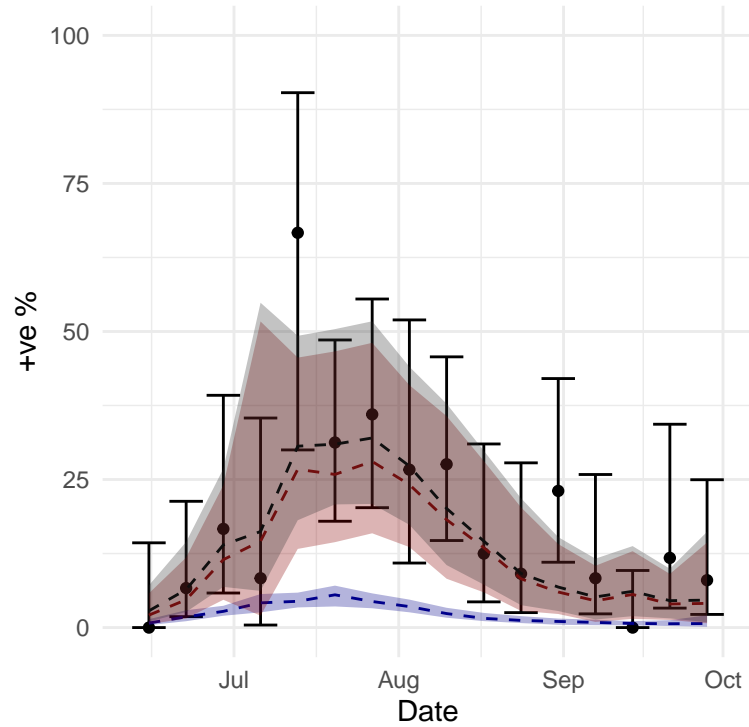
IFR x1, Slope x1.25
Lusaka weekly burial registrations



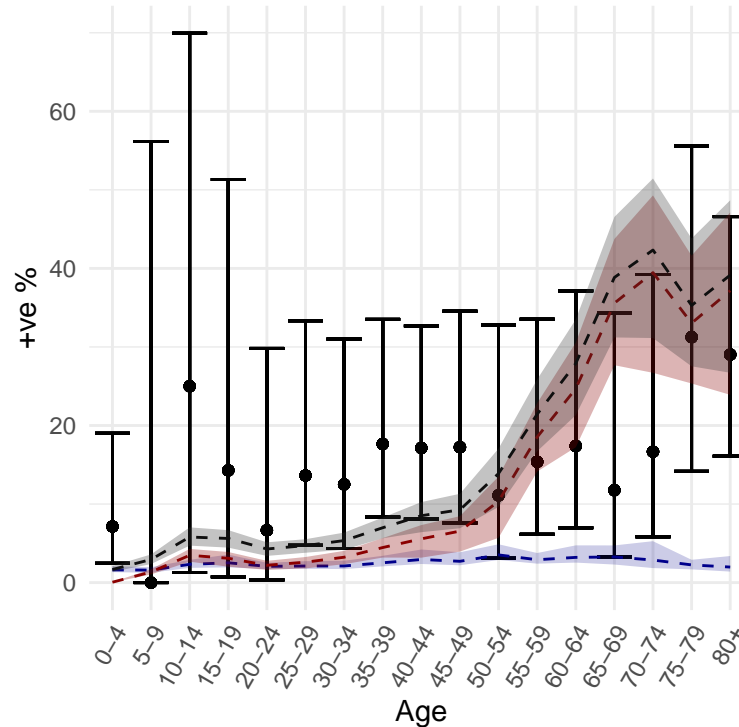
IFR x 1, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



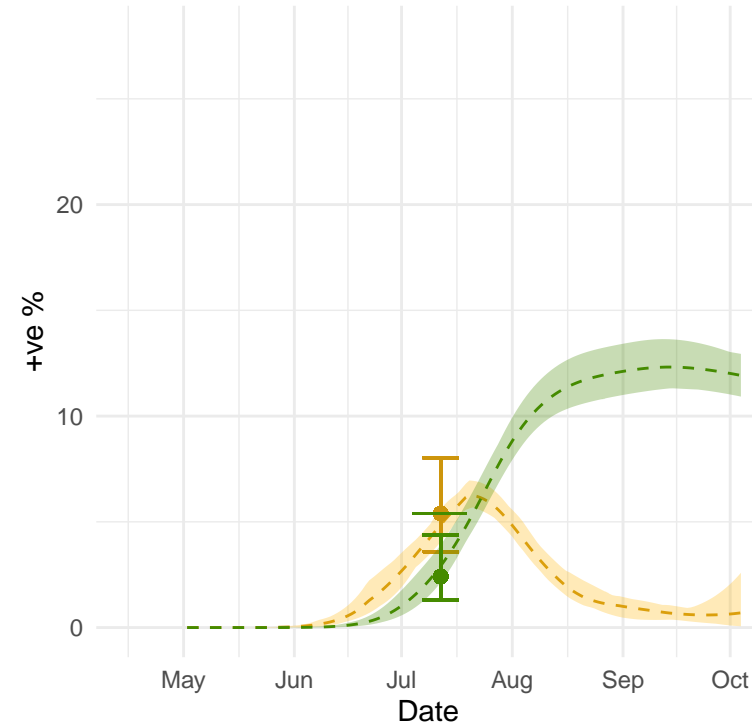
IFR x 1.25, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

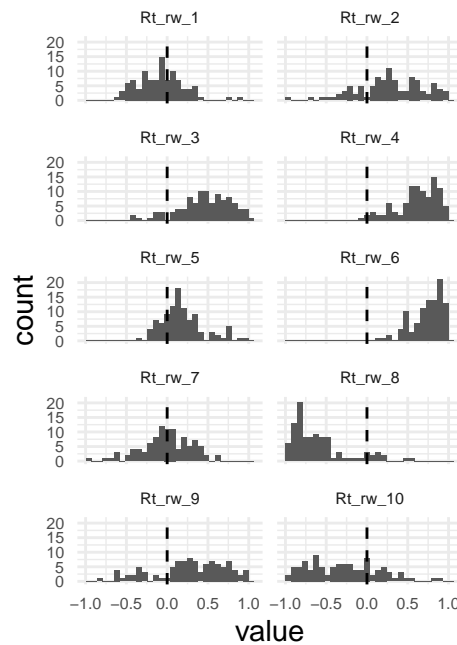
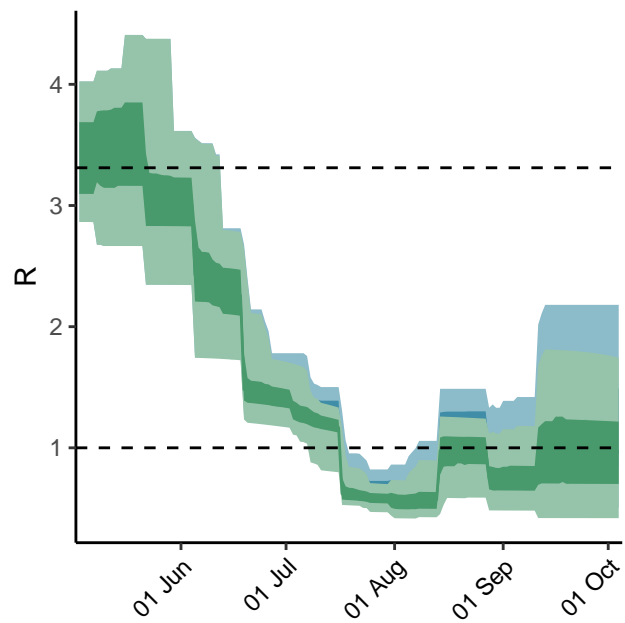


COVID-19 prevalence
 Lusaka/Zambia

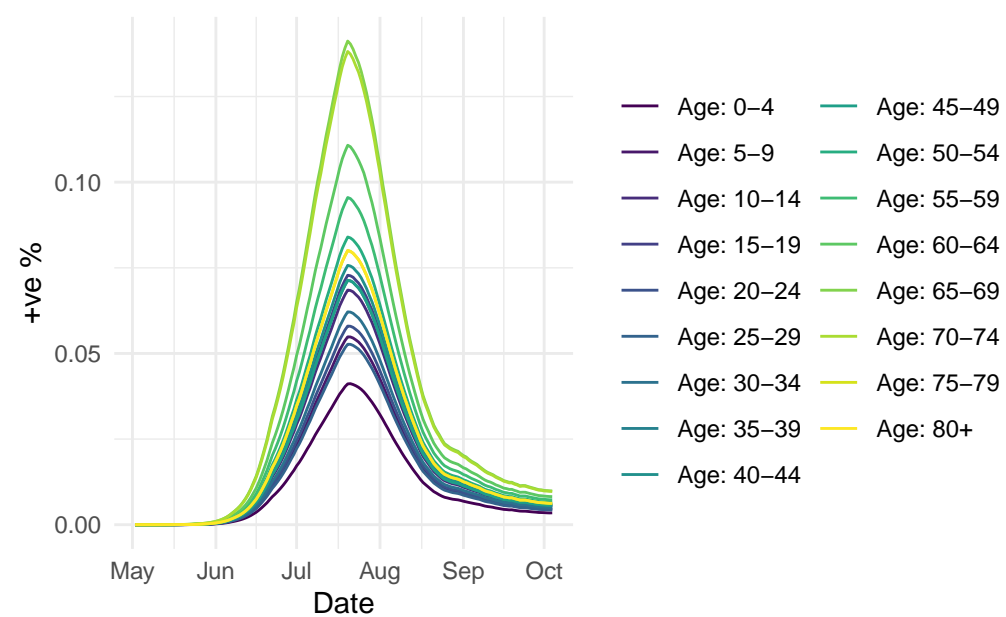


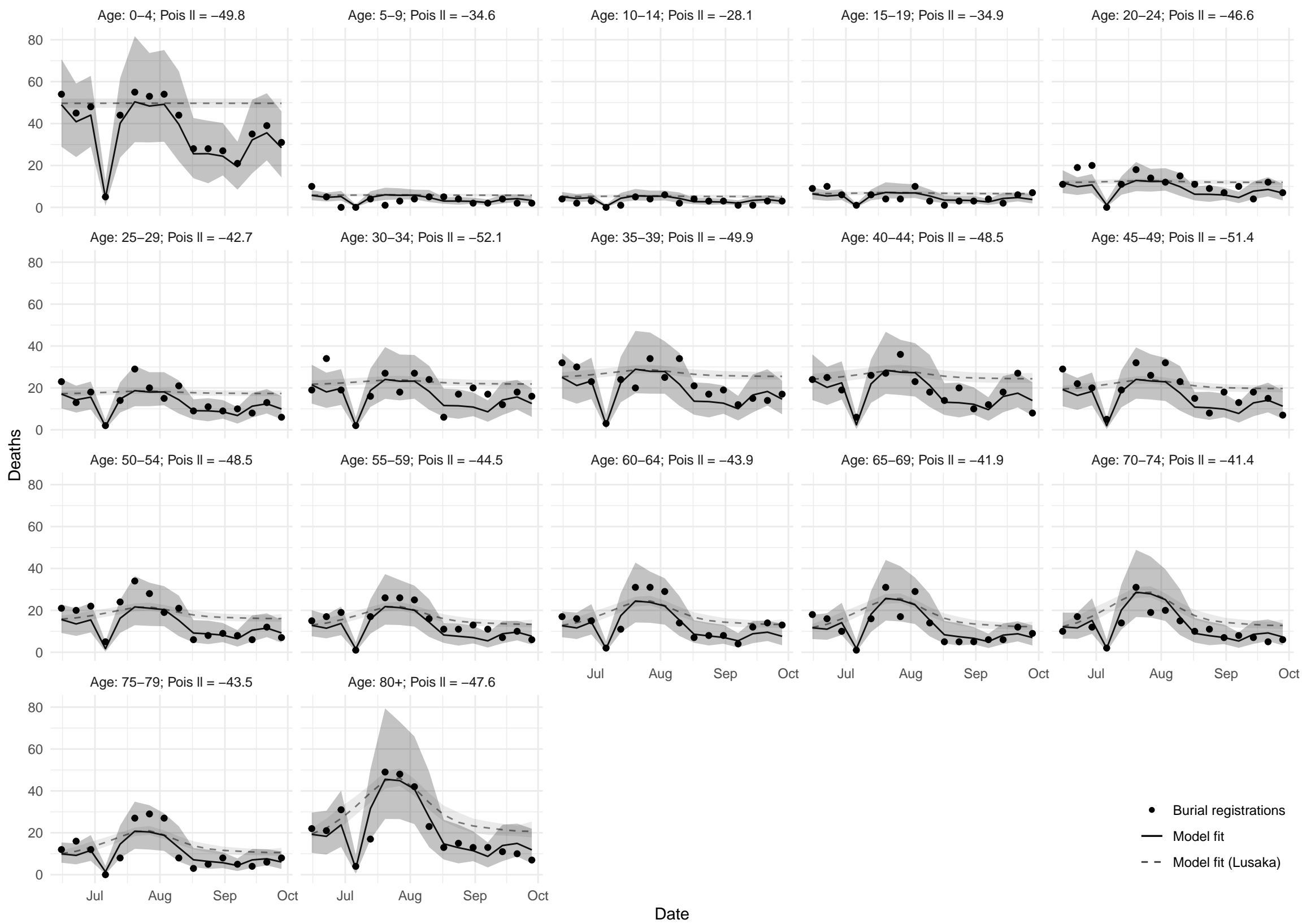
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

PCR % (Lusaka)
 Sero % (Lusaka)

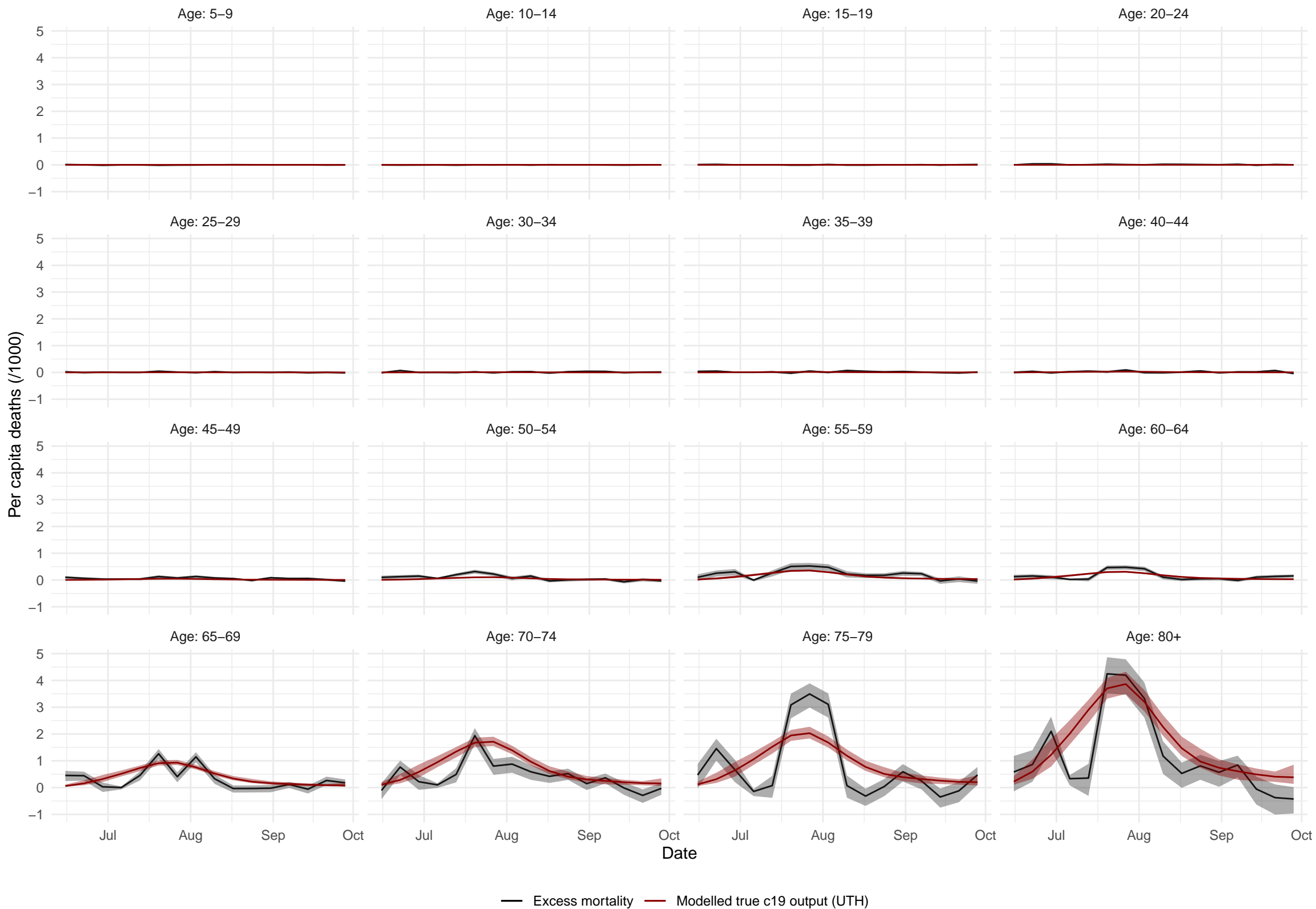


Modelled PCR %

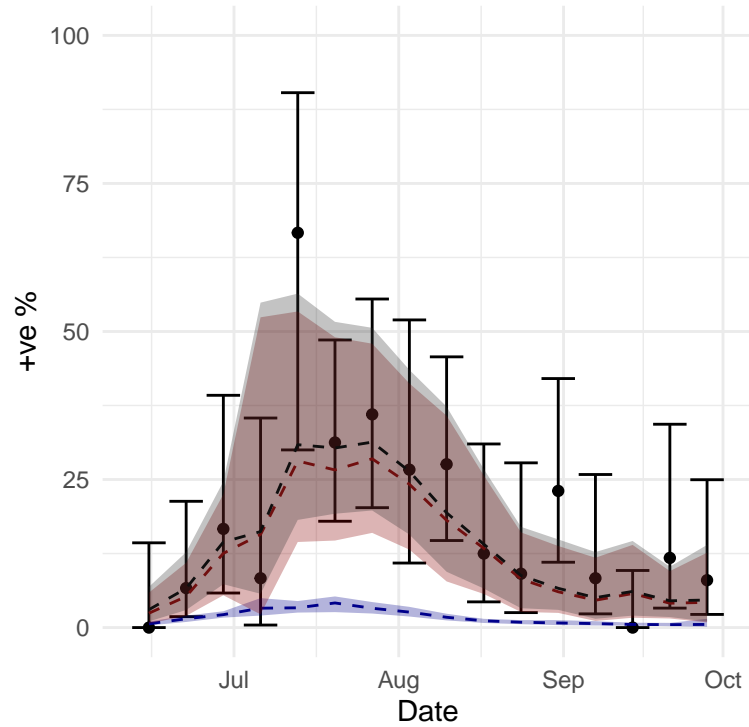




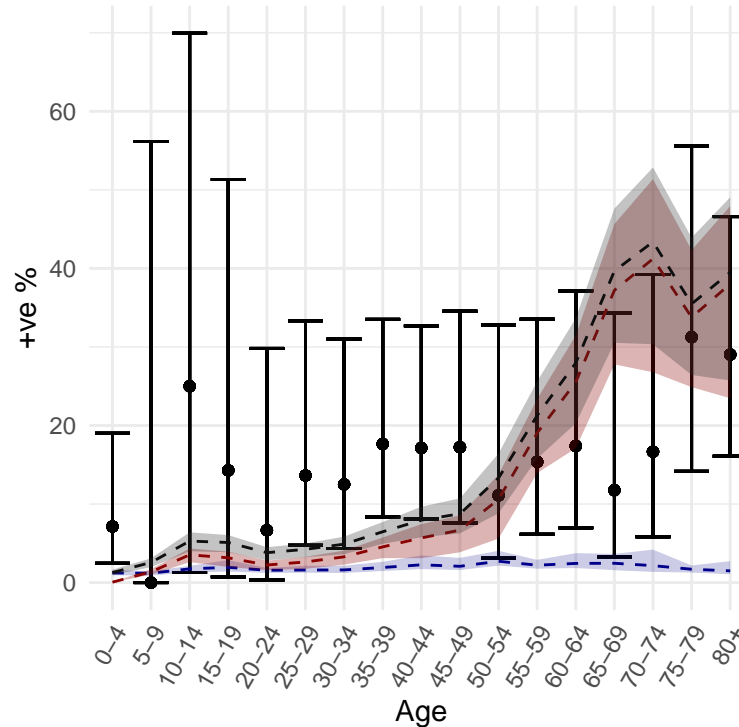
IFR x 1.25, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



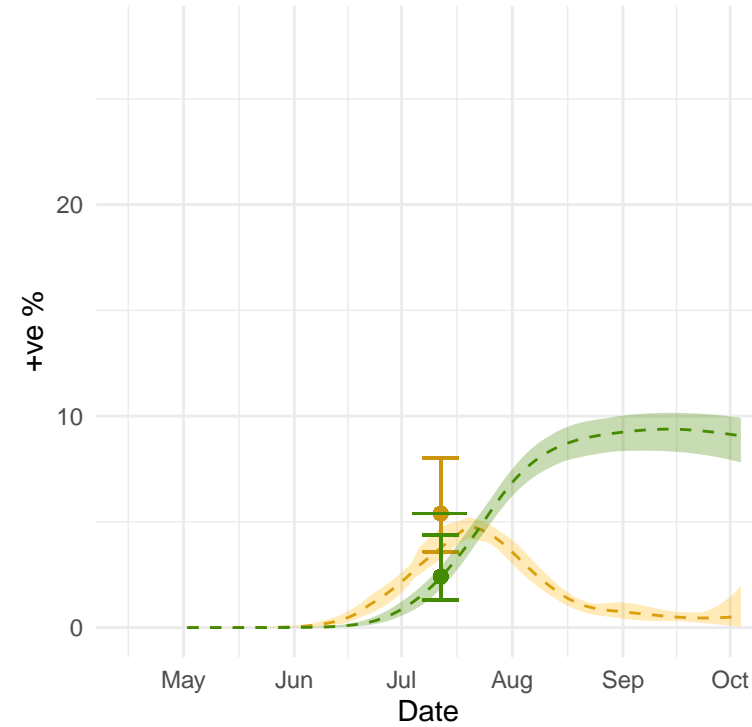
IFR x 1.67, Slope x 1.25
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 Lus mortuary

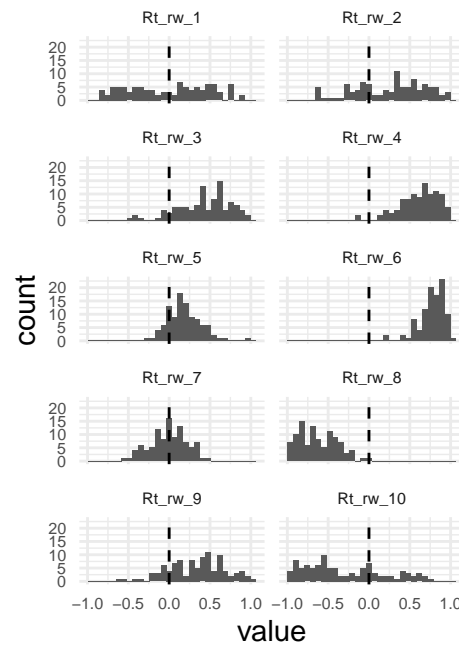
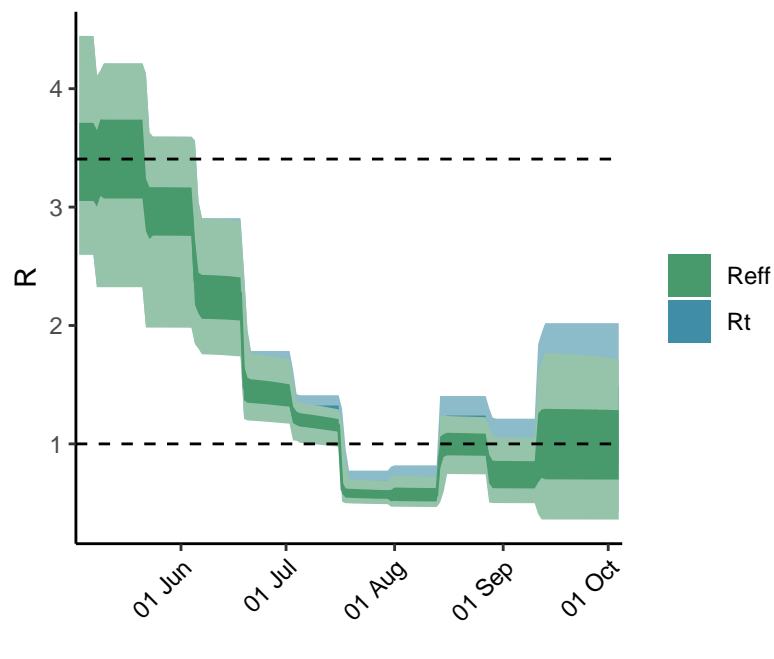


COVID-19 prevalence
 Lusaka/Zambia

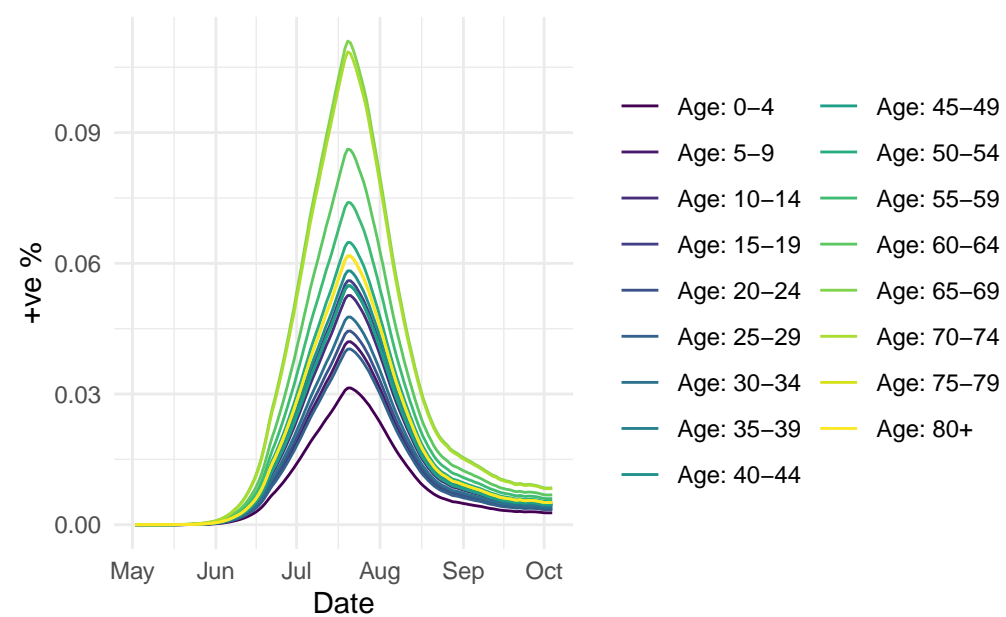


-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

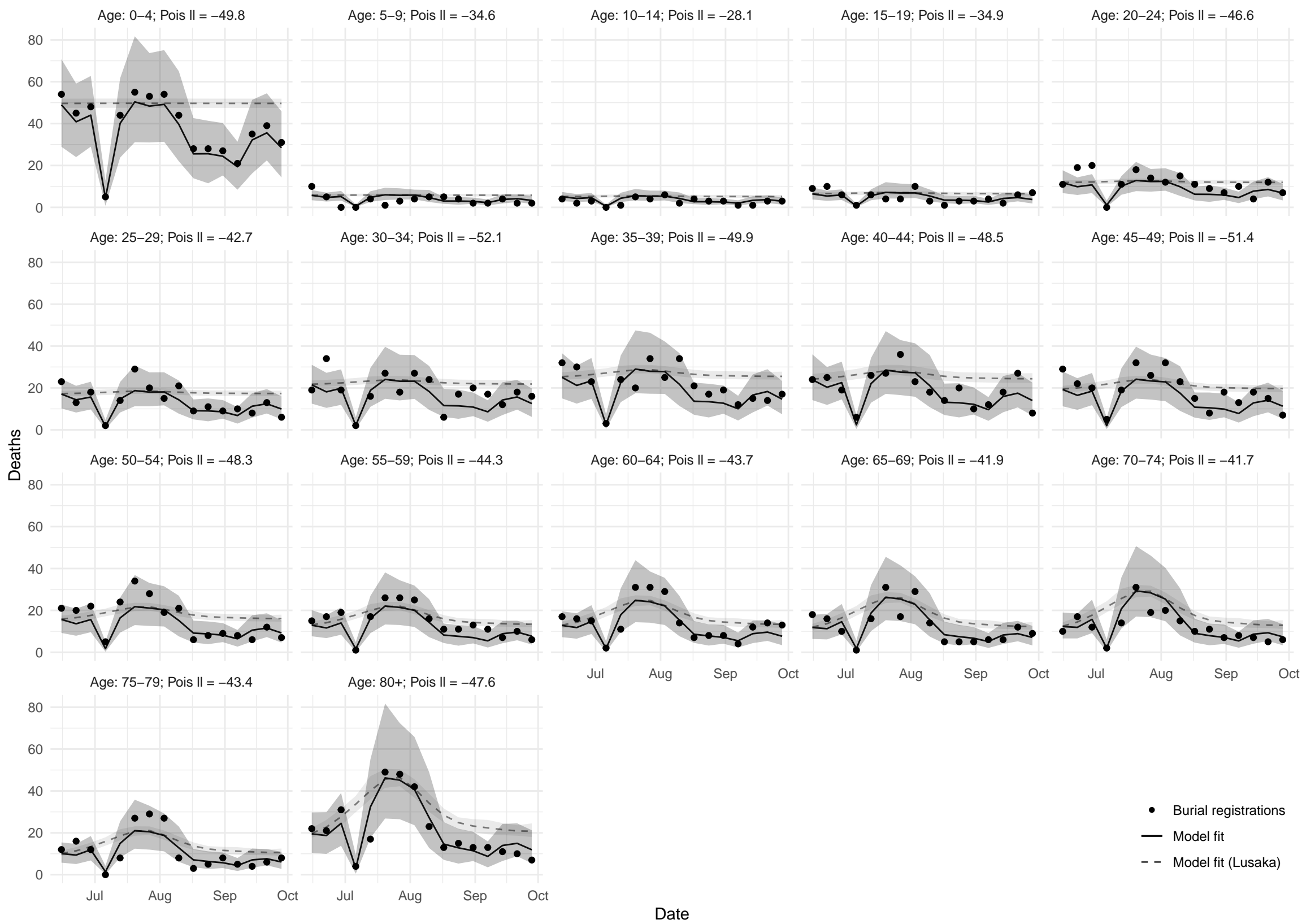
PCR % (Lusaka)
 Sero % (Lusaka)



Modelled PCR %



IFR x1.67, Slope x1.25
Lusaka weekly burial registrations



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

