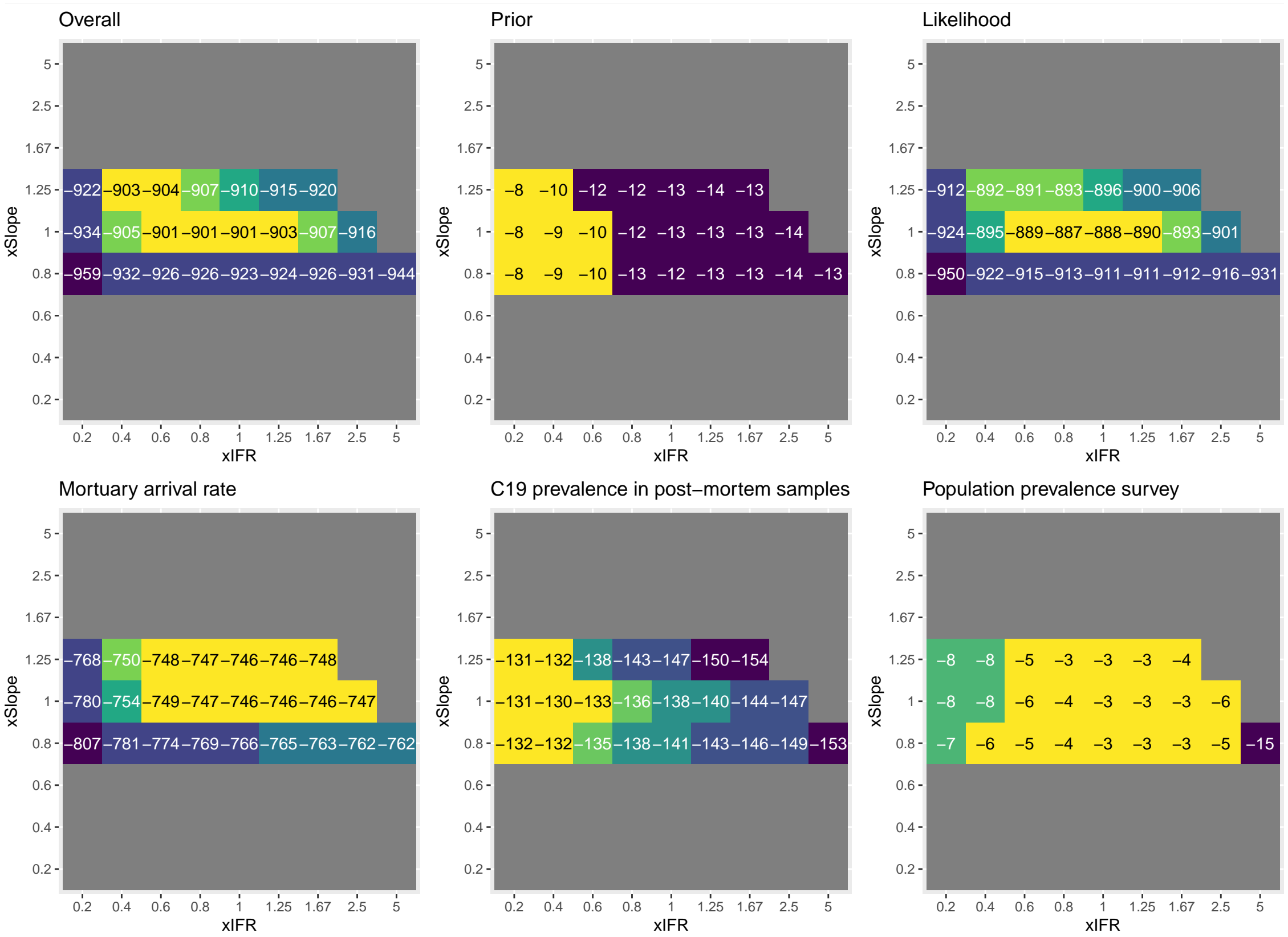
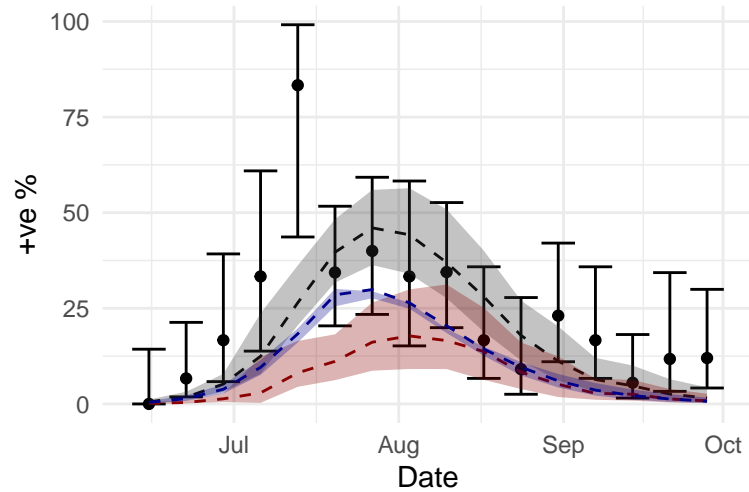


Fixed Average

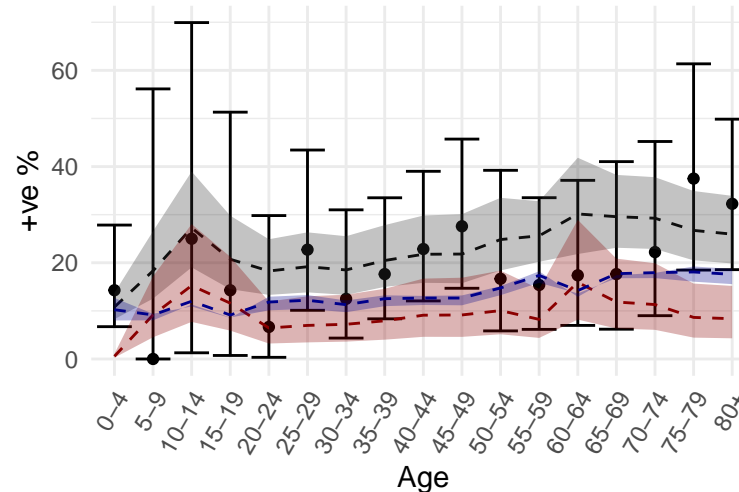


IFR x 0.2, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

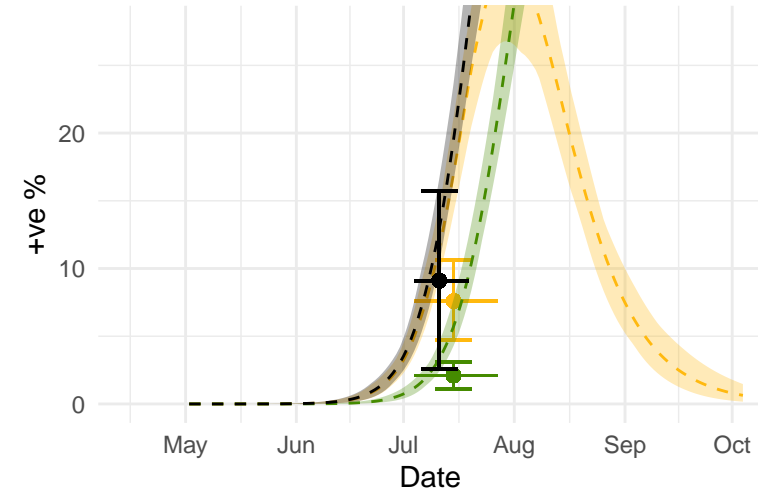


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

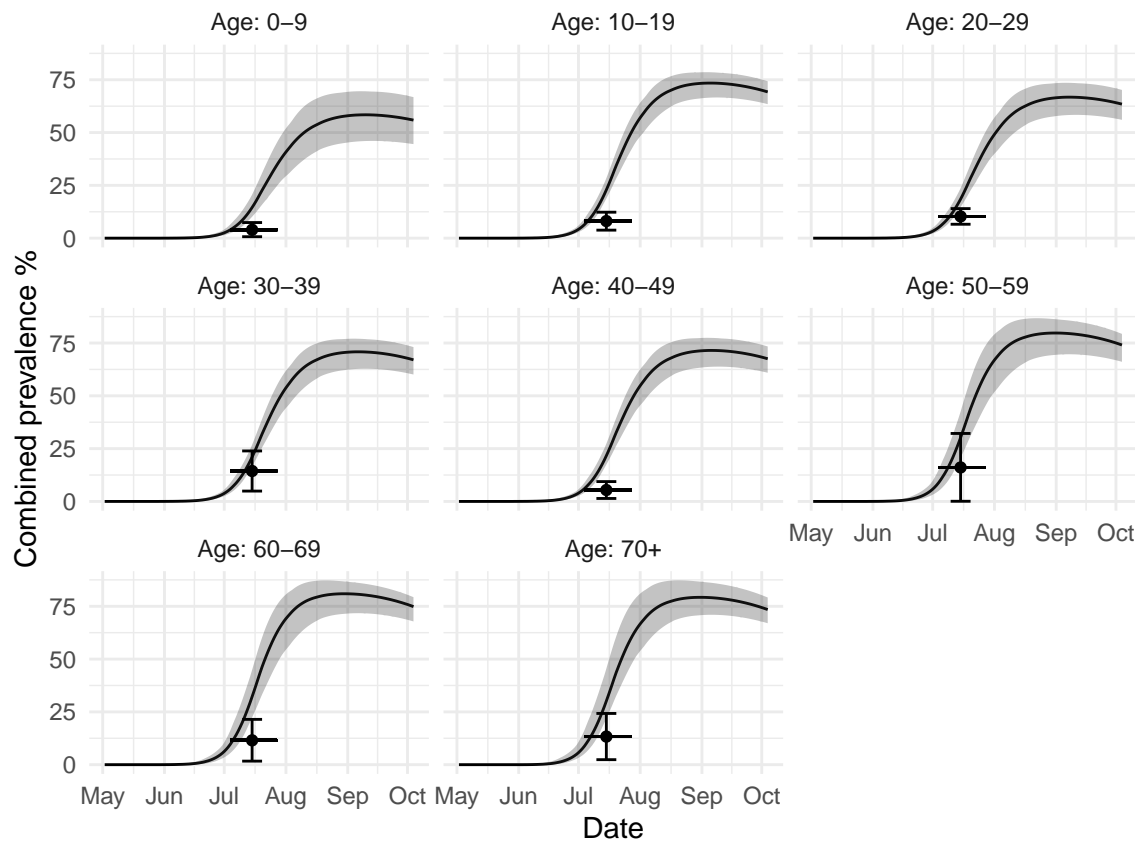


COVID-19 prevalence
Lusaka/Zambia

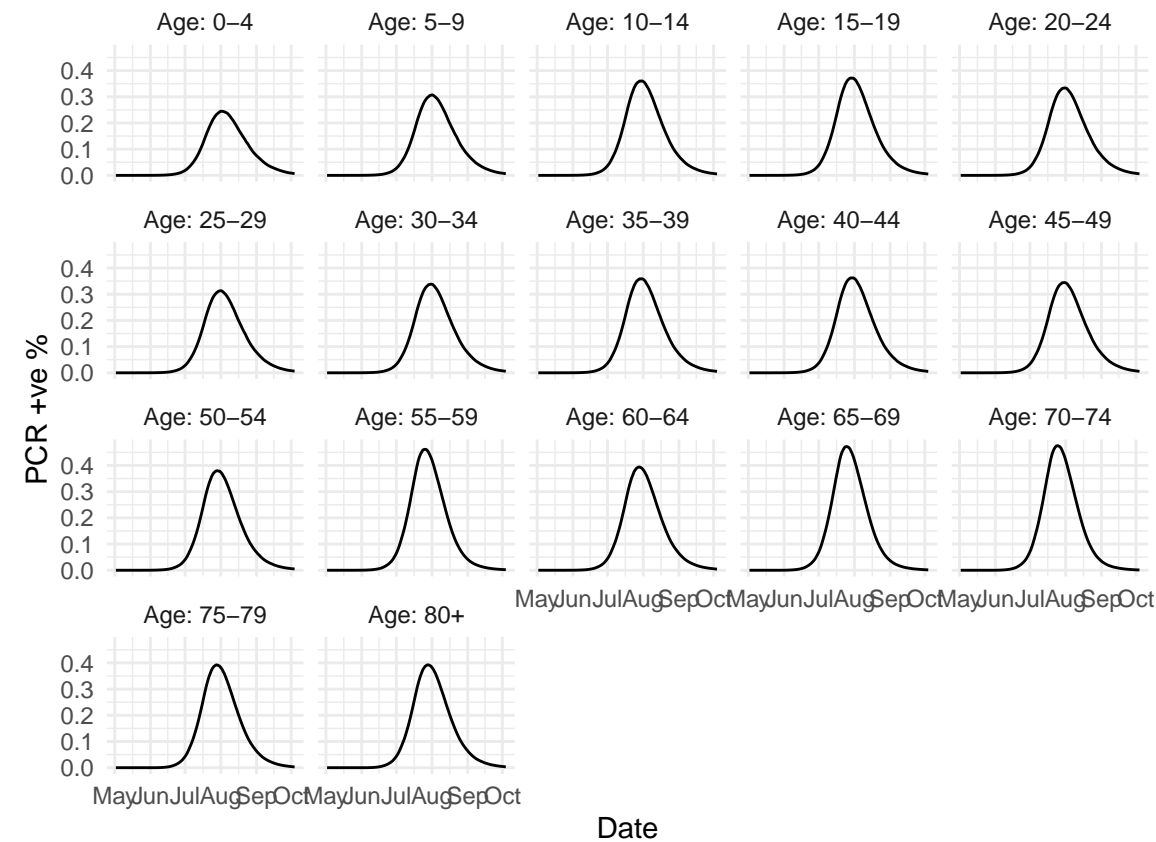


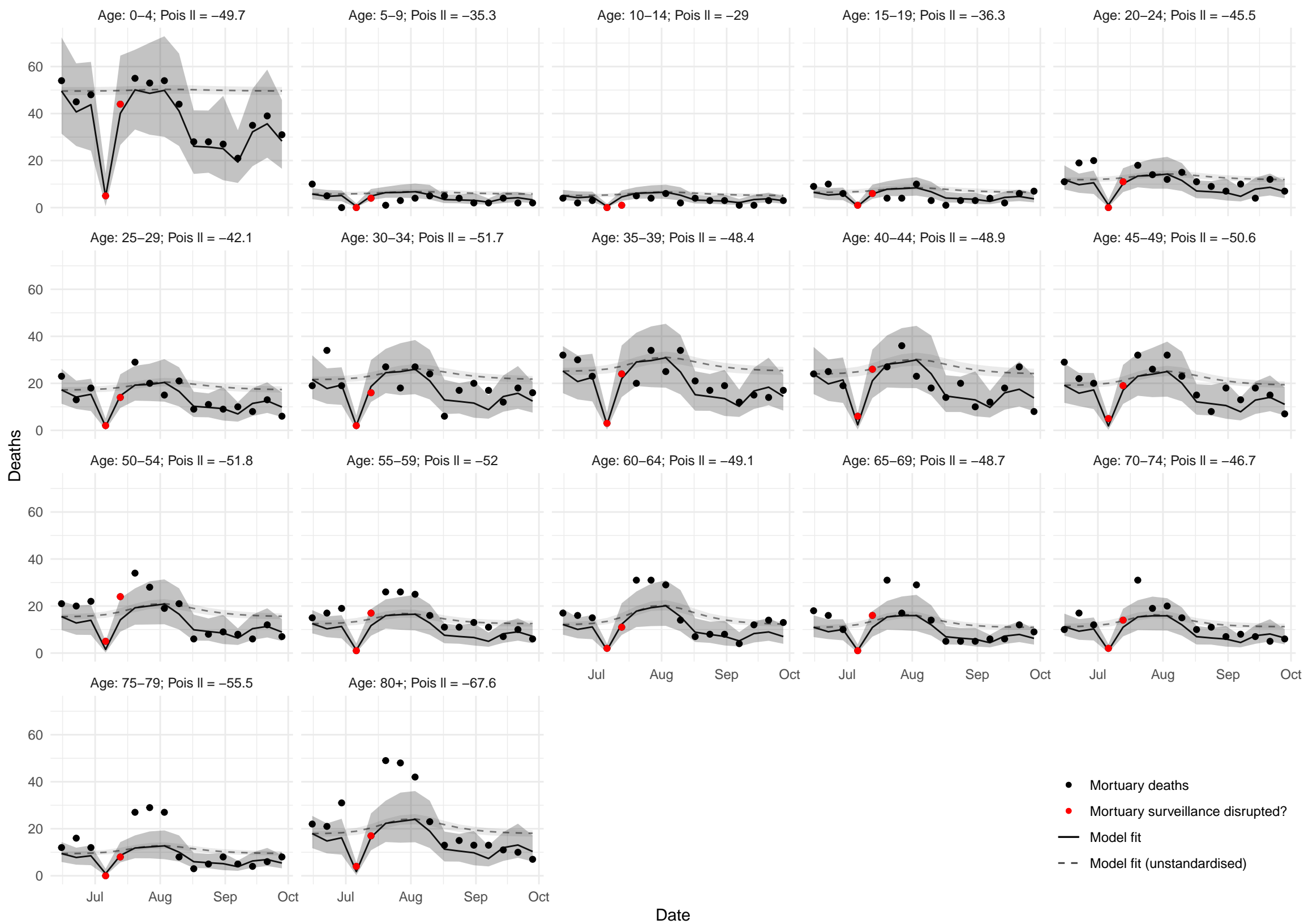
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.2, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

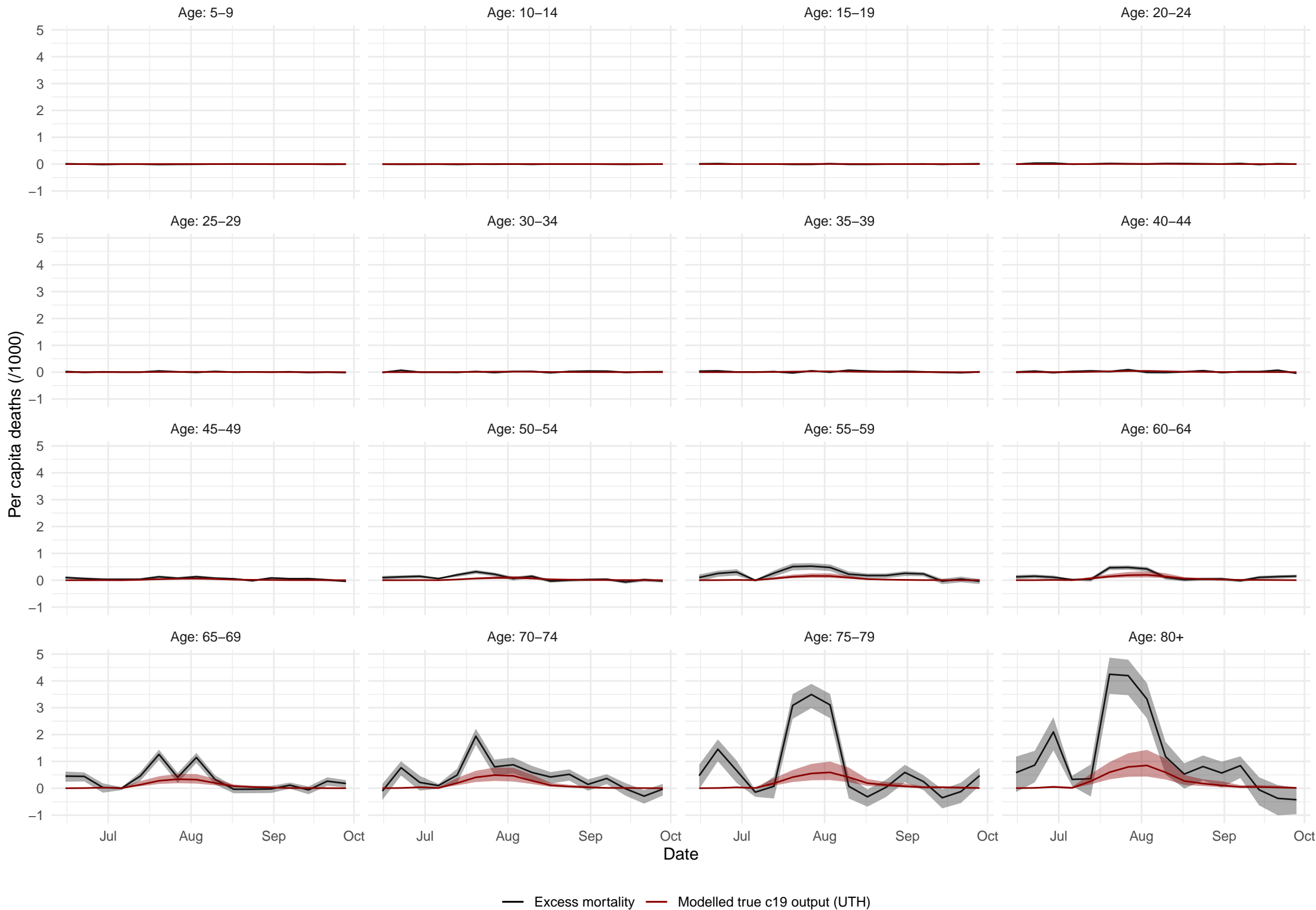


IFR x 0.2, Slope x 0.8
Modelled PCR % by age group (mid-week)

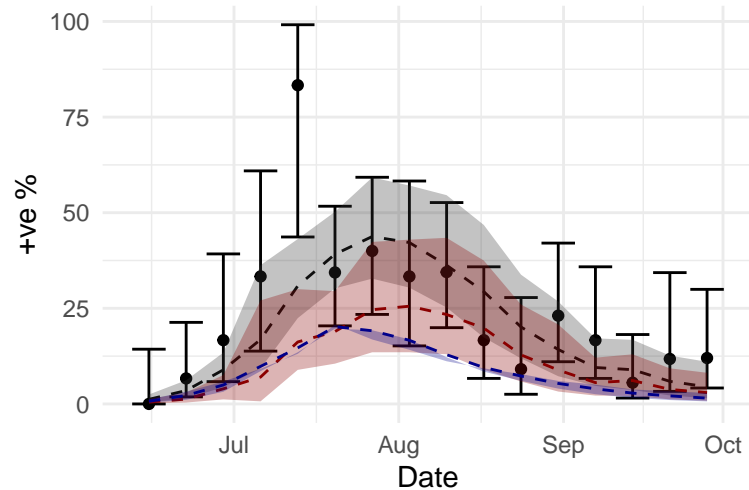




IFR x 0.2, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

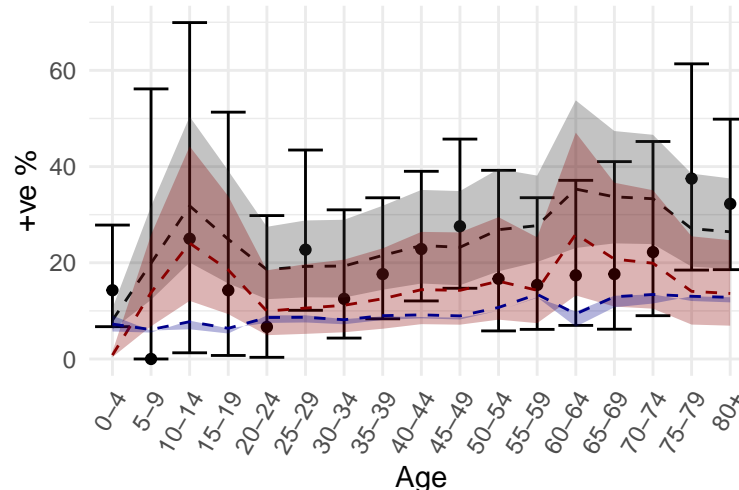


IFR x 0.4, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

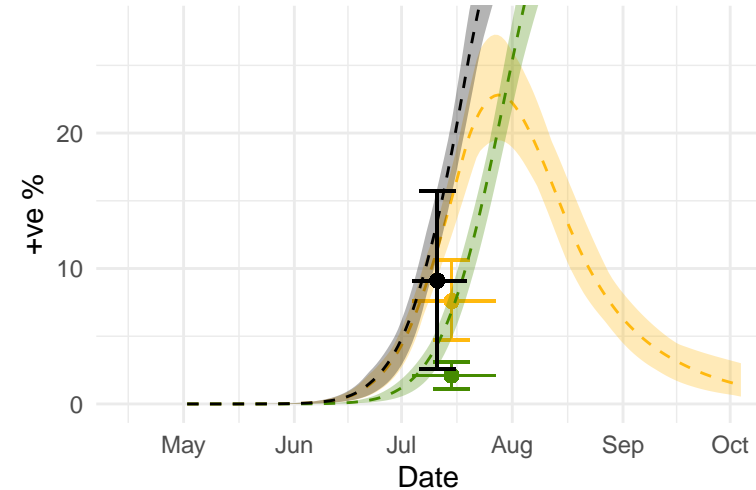


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

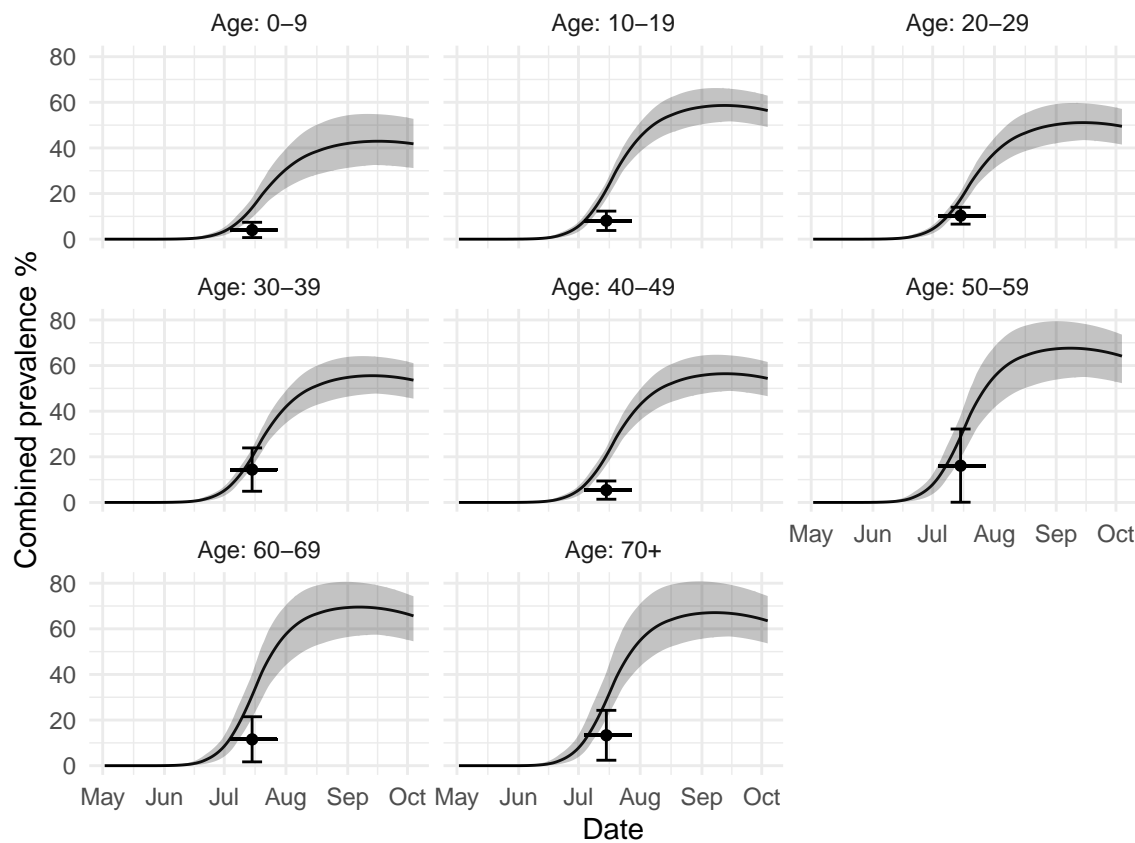


COVID-19 prevalence
Lusaka/Zambia

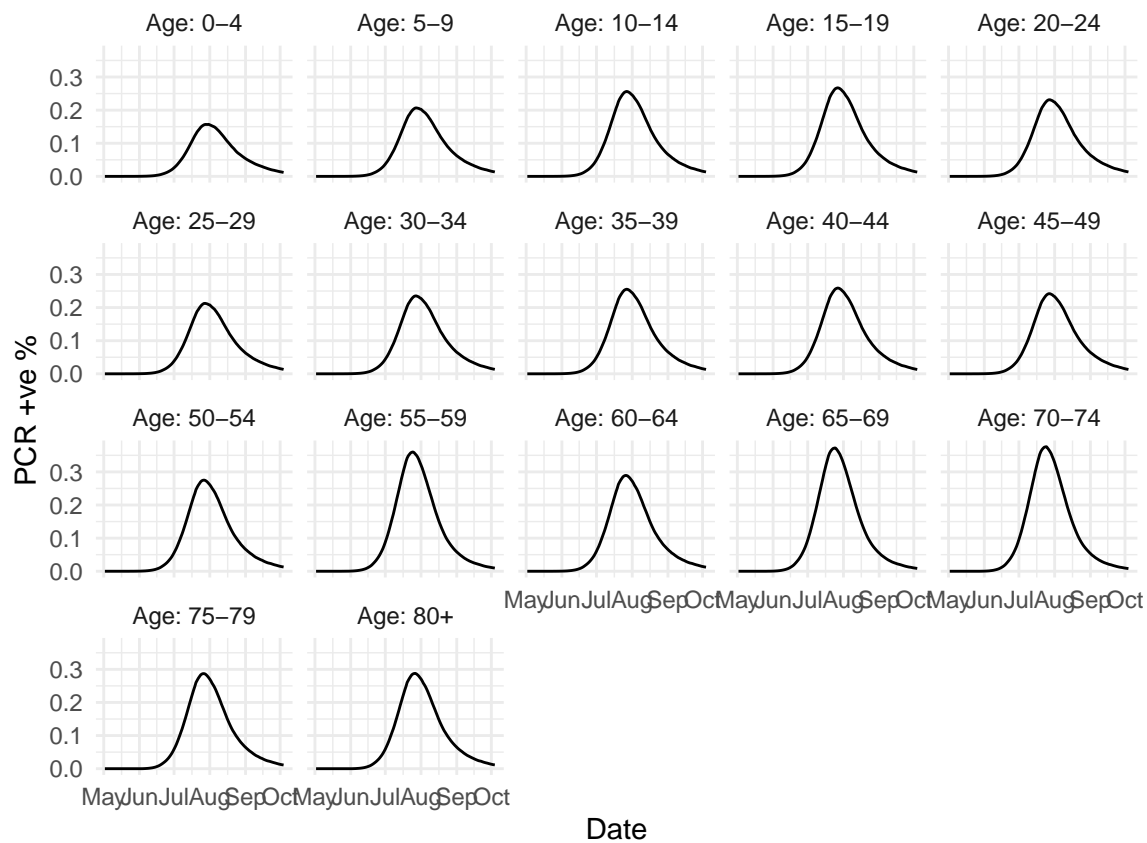


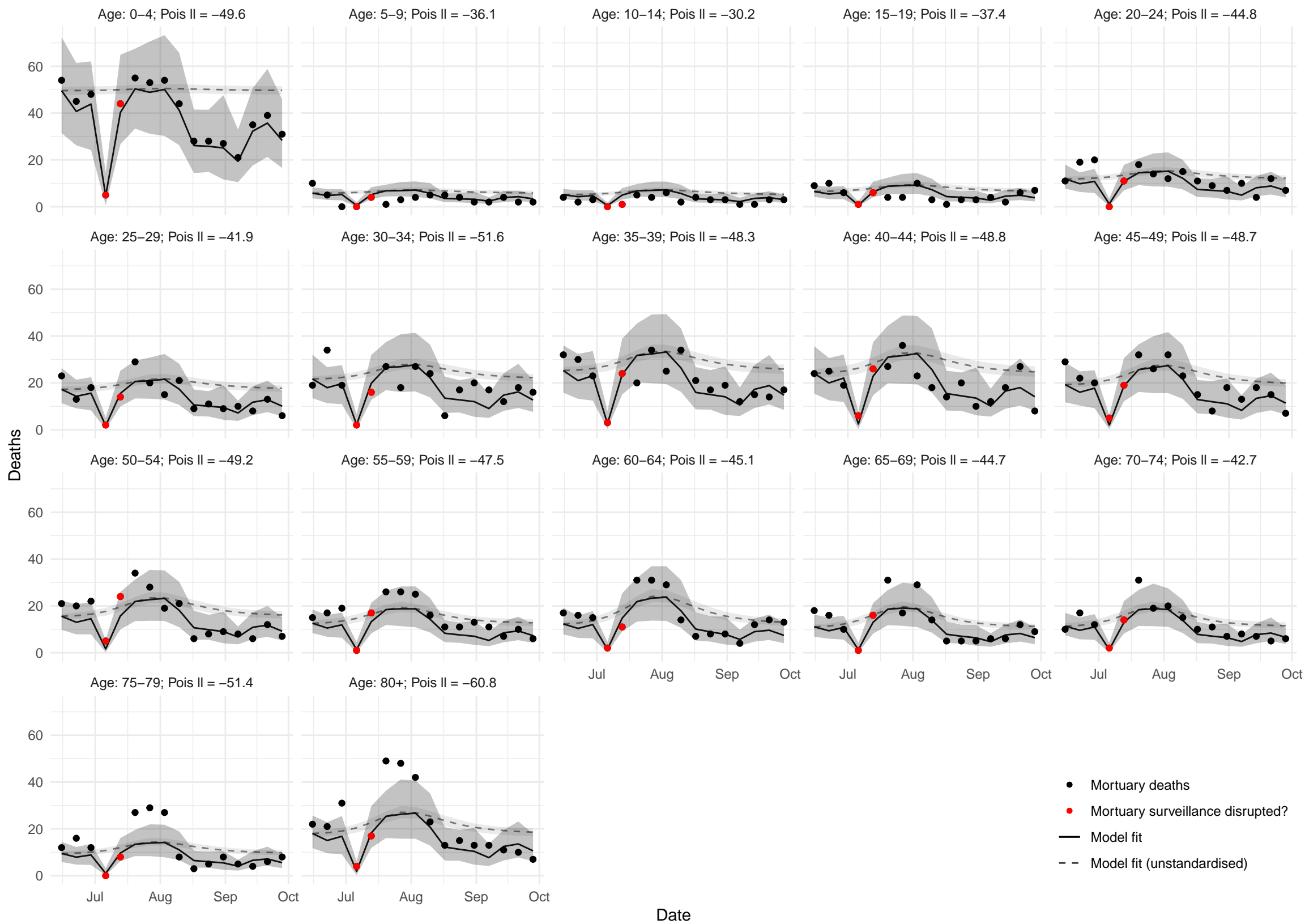
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.4, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

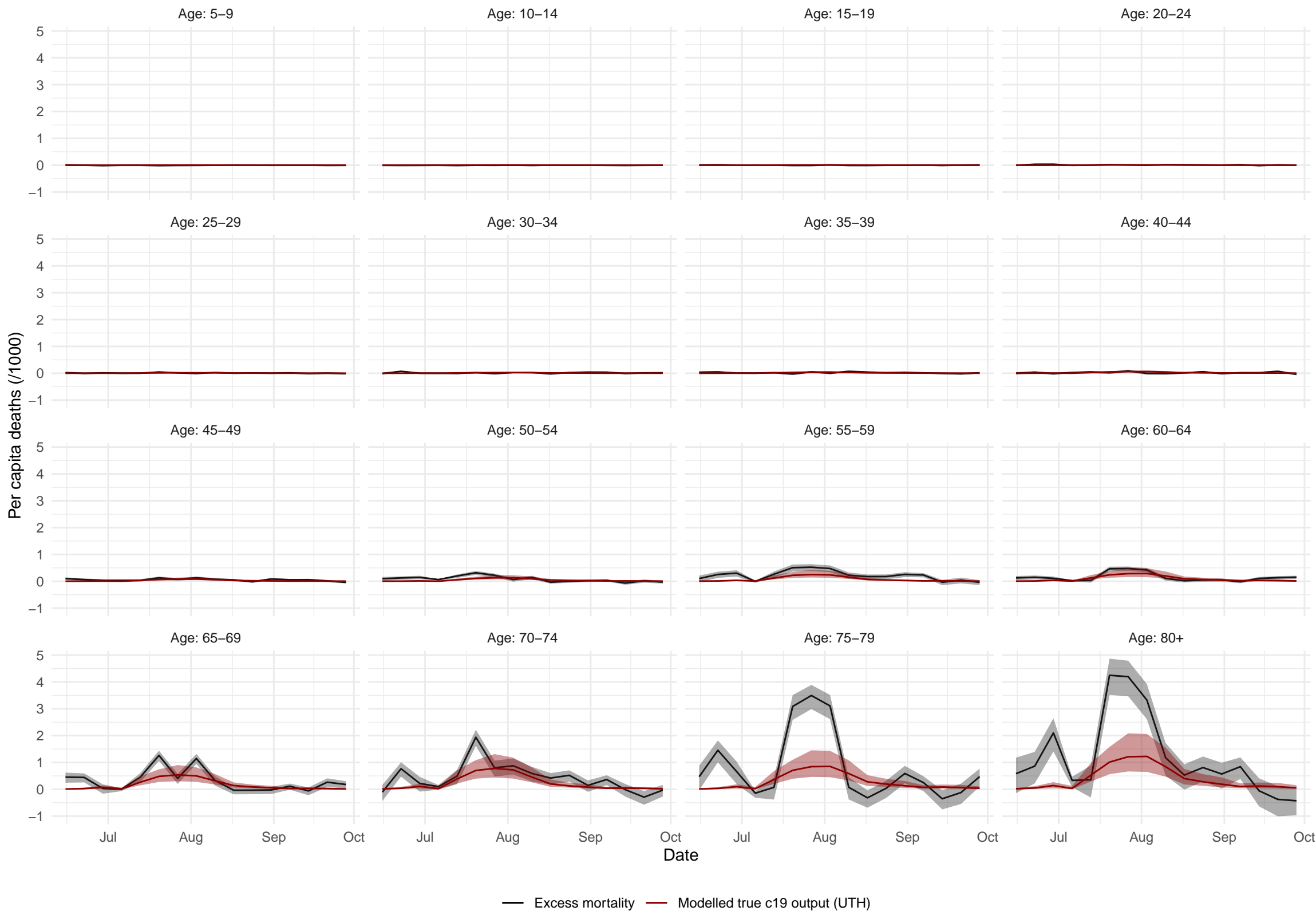


IFR x 0.4, Slope x 0.8
Modelled PCR % by age group (mid-week)

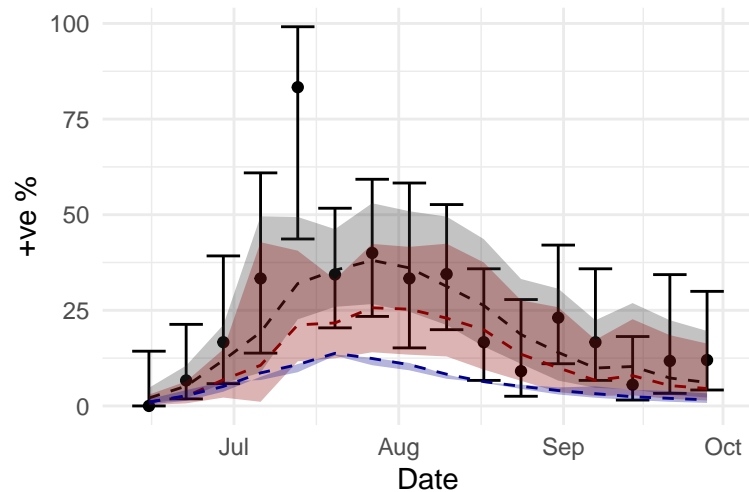




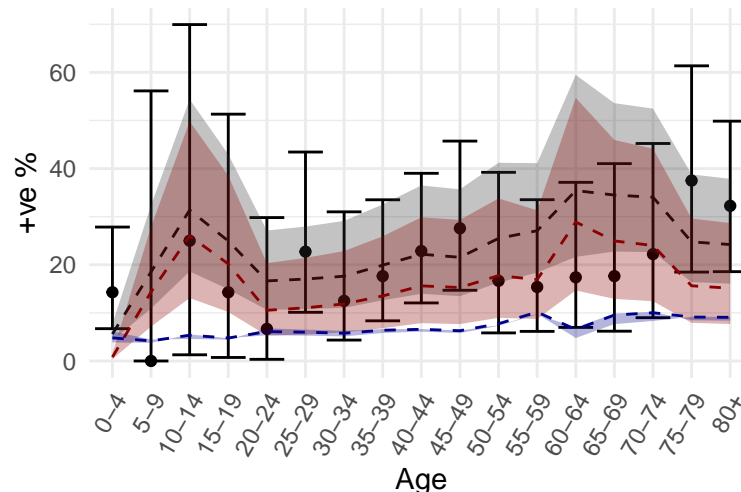
IFR x 0.4, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



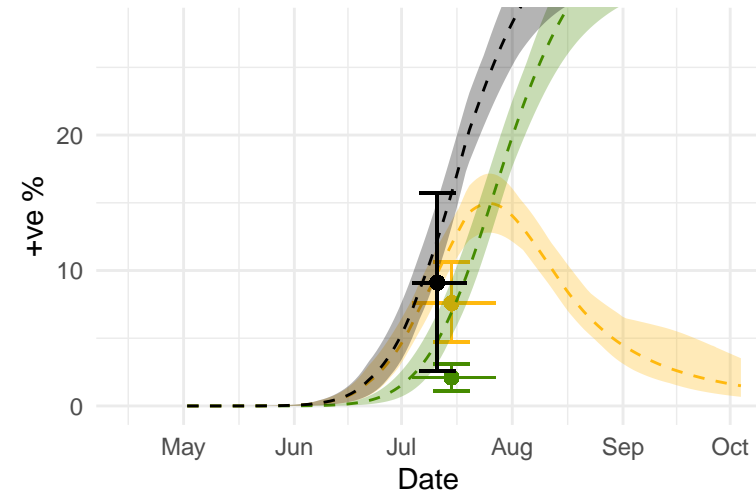
IFR x 0.6, Slope x 0.8
 COVID-19 weekly prevalence
 UTH mortuary



COVID-19 prevalence by age
 UTH mortuary



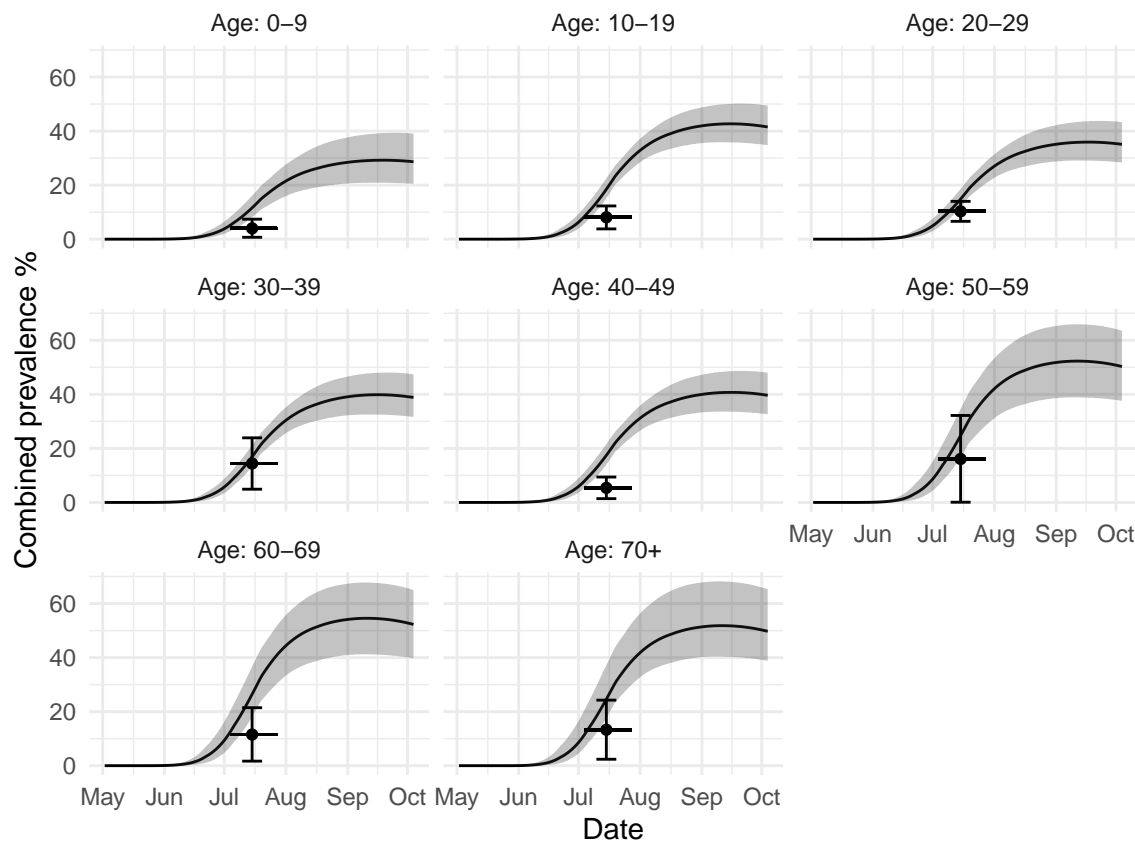
COVID-19 prevalence
 Lusaka/Zambia



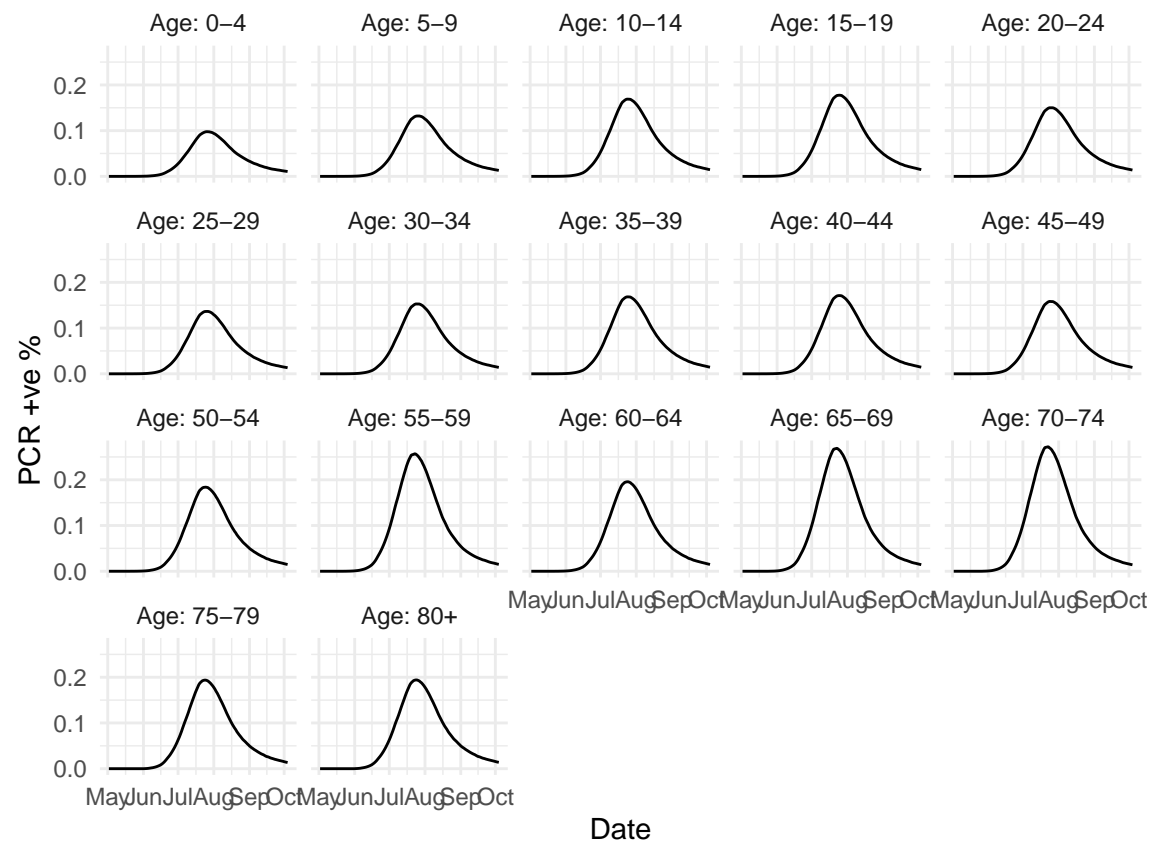
-- Total +ve deaths
 -- Causal deaths
 -- Coincidental deaths

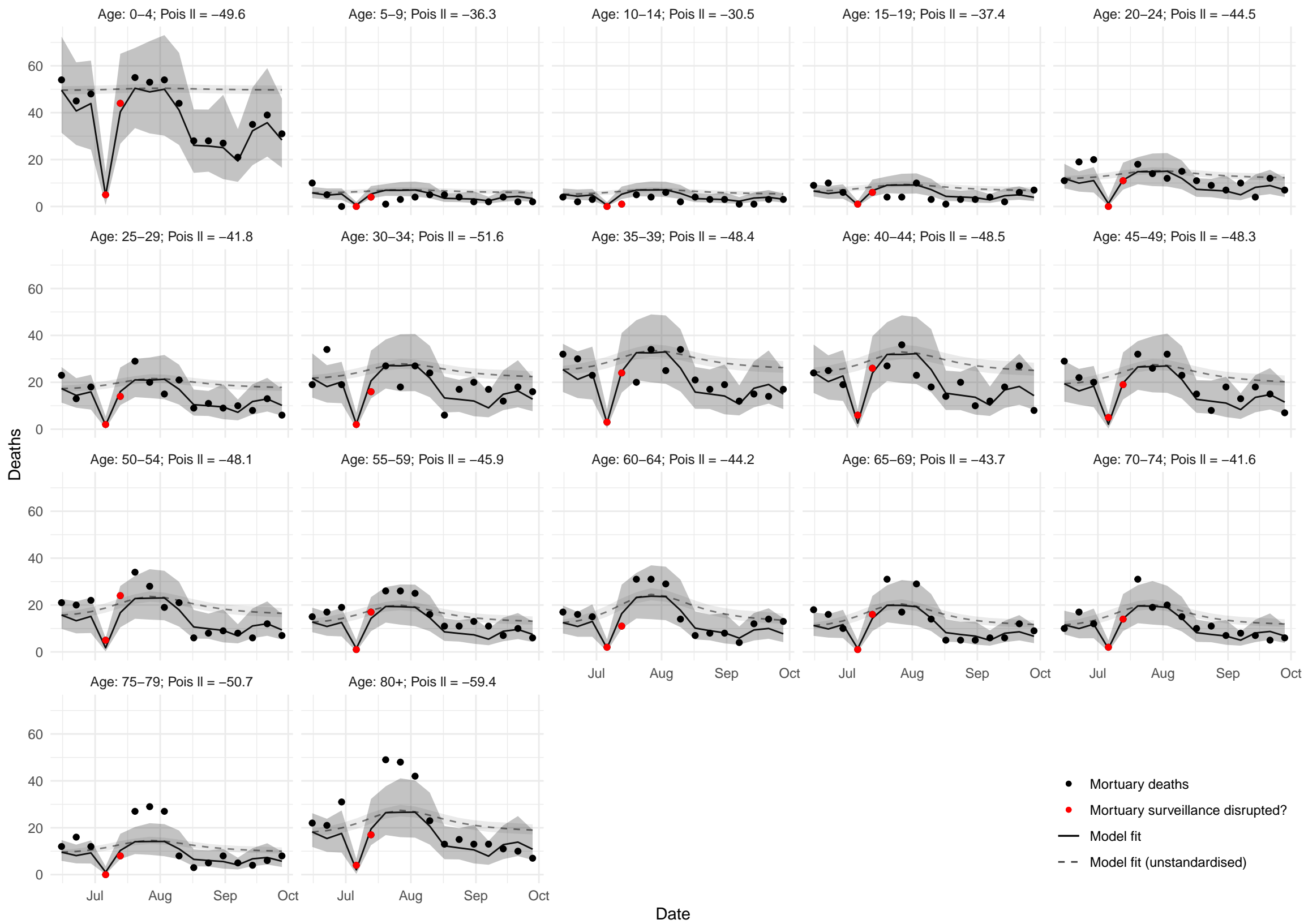
● Combined % (Lusaka)
 ● PCR % (Zambia)
 ● Sero % (Zambia)

IFR x 0.6, Slope x 0.8
 Modelled COVID-19 Combined prevalence Lusaka

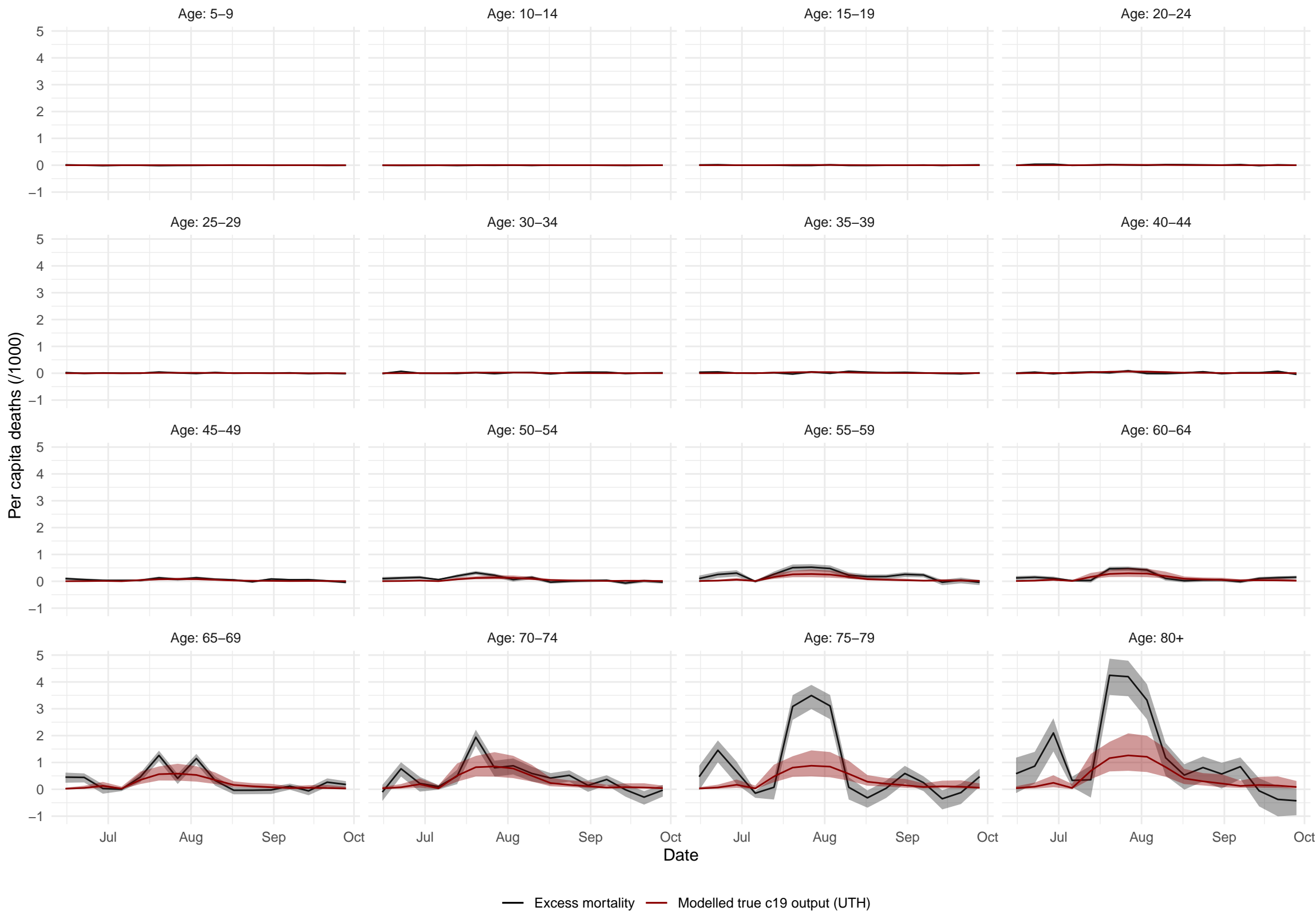


IFR x 0.6, Slope x 0.8
 Modelled PCR % by age group (mid-week)

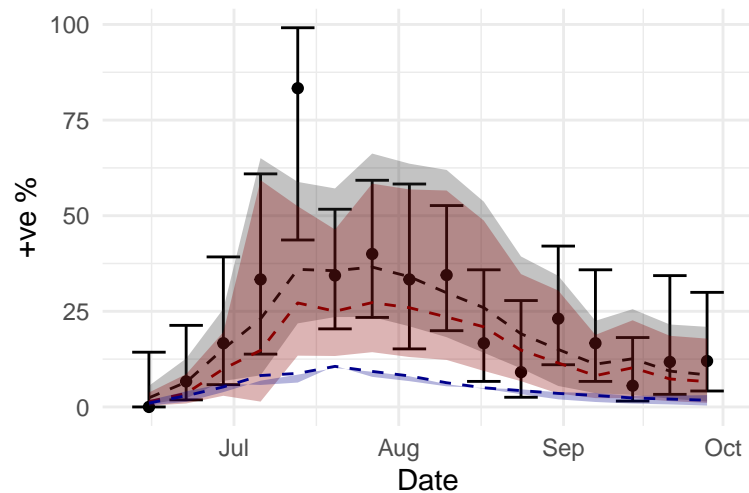




IFR x 0.6, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

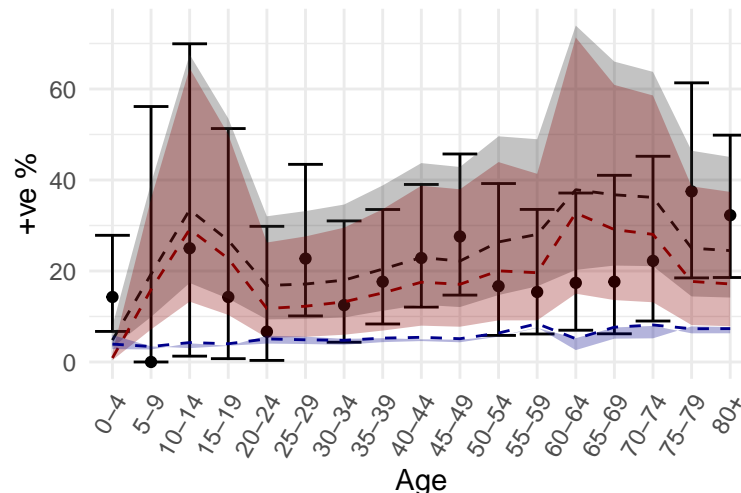


IFR x 0.8, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

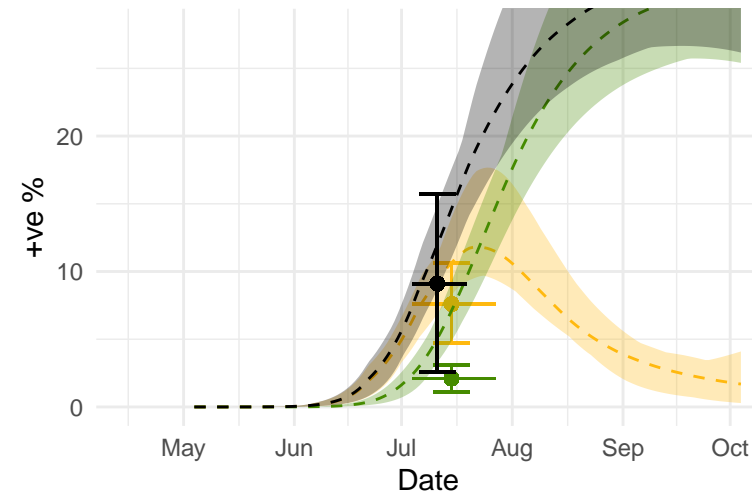


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

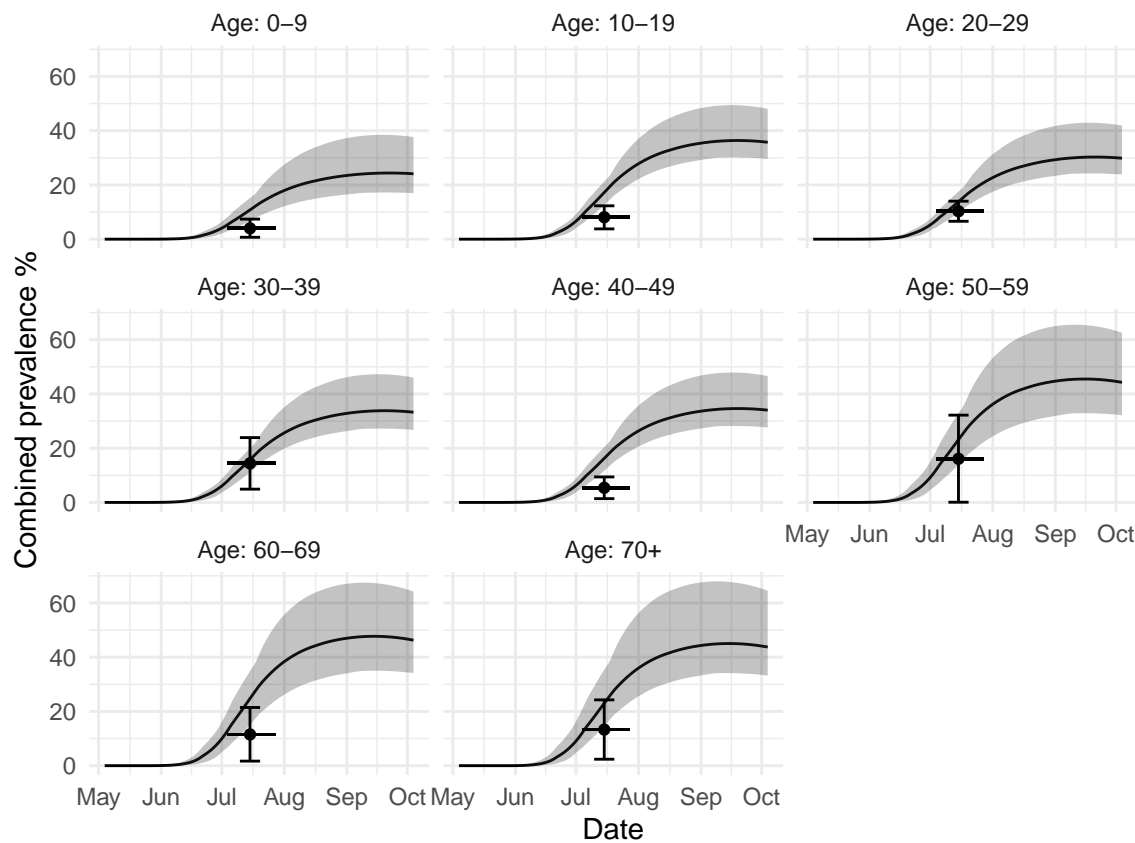


COVID-19 prevalence
Lusaka/Zambia

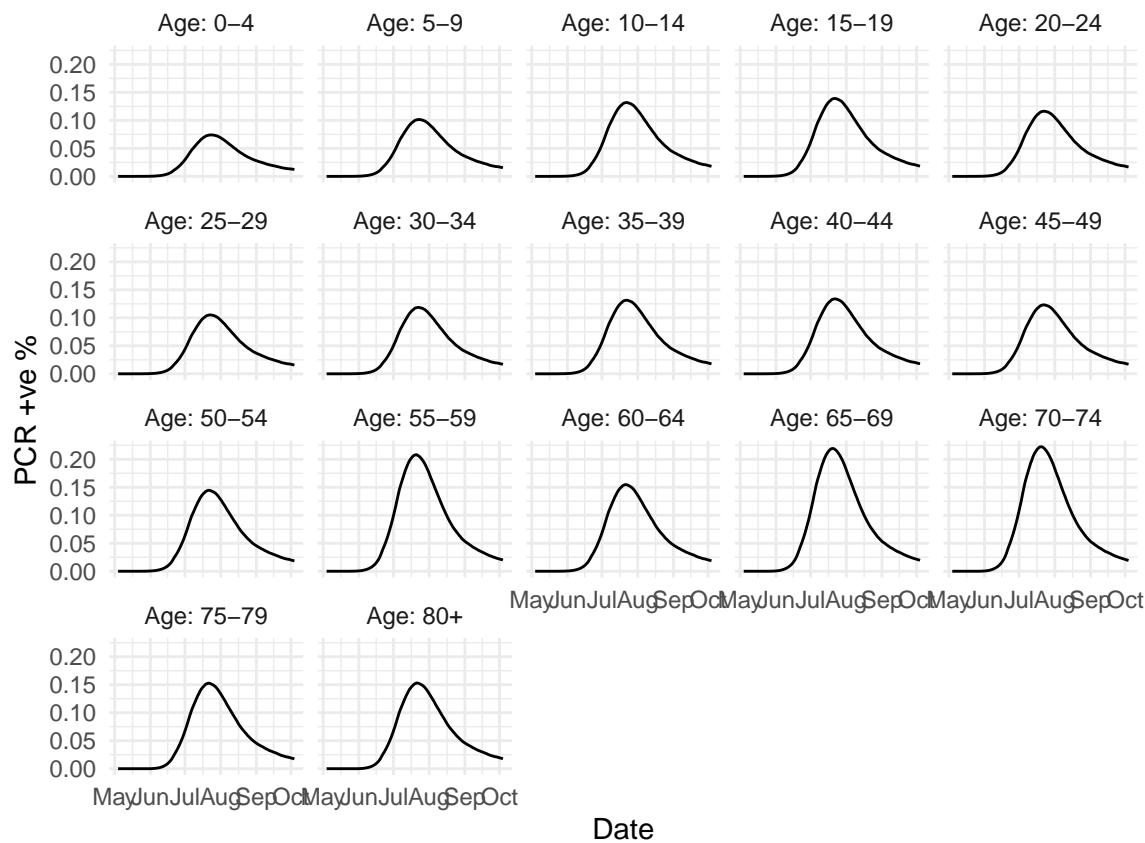


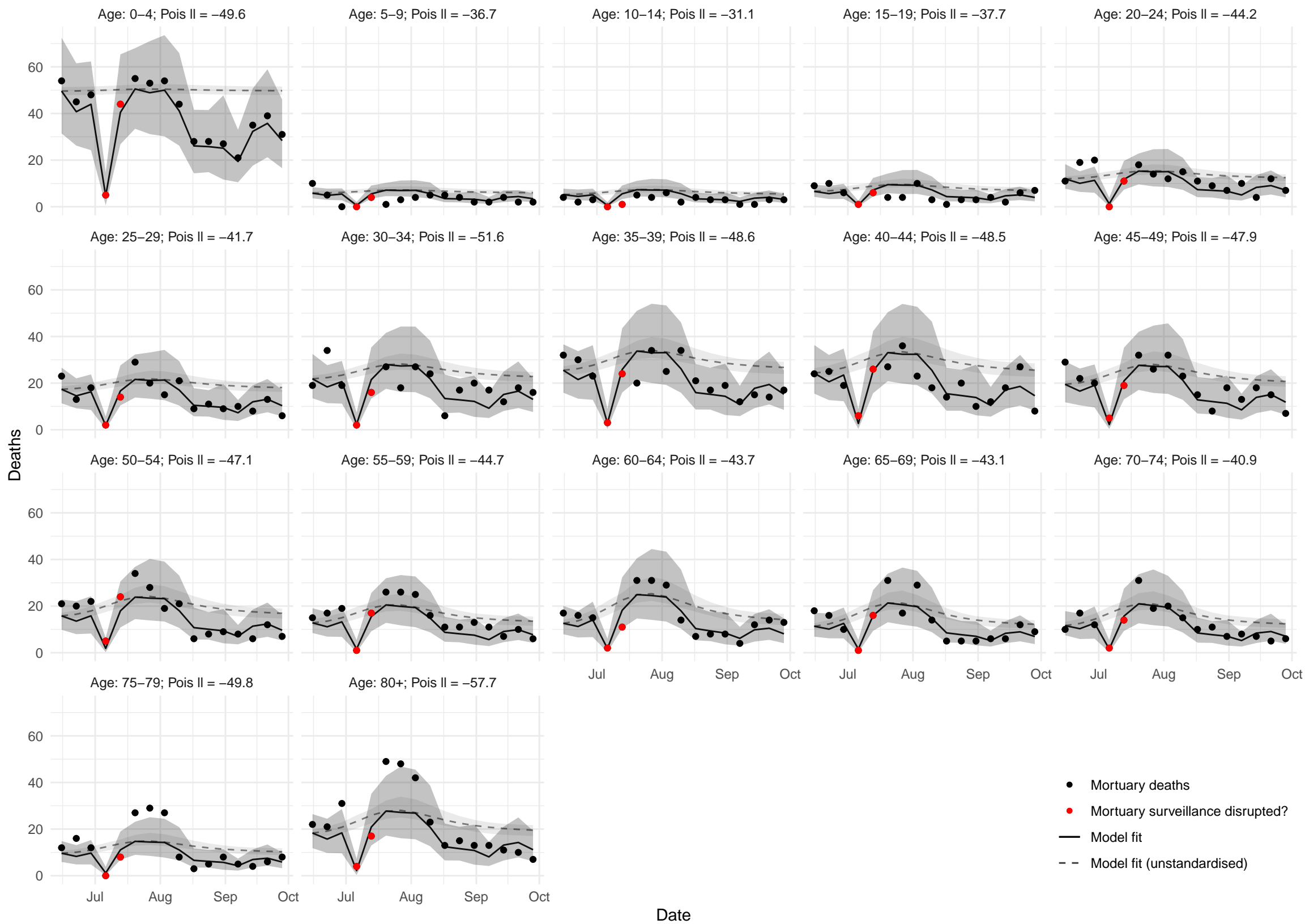
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.8, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

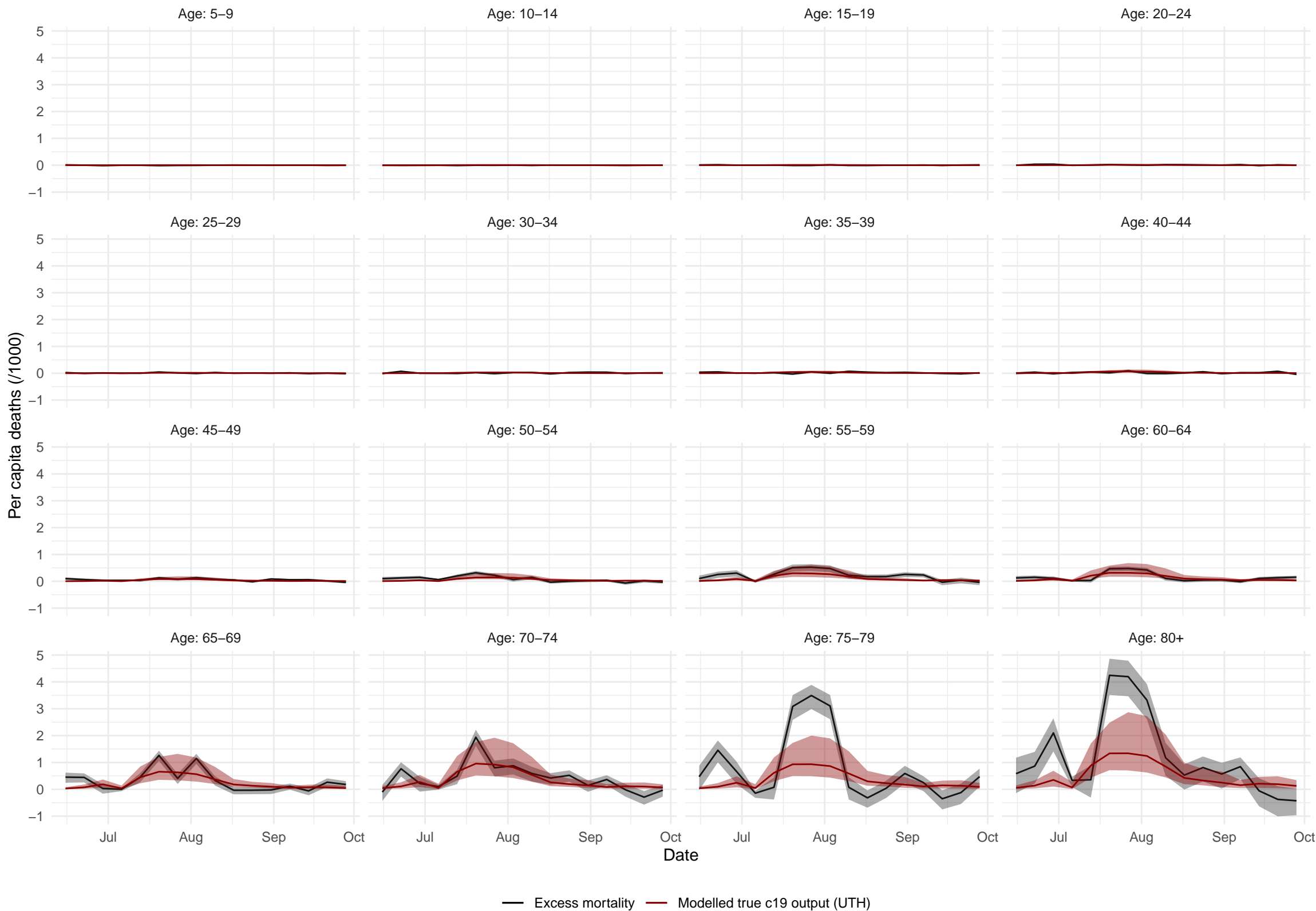


IFR x 0.8, Slope x 0.8
Modelled PCR % by age group (mid-week)

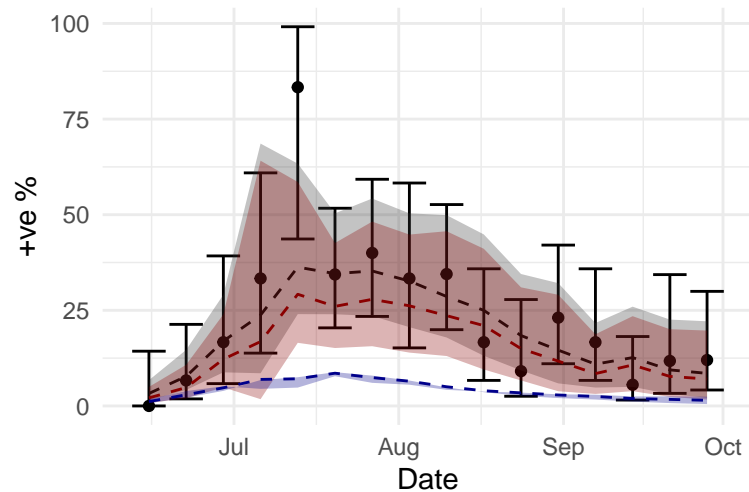




IFR x 0.8, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

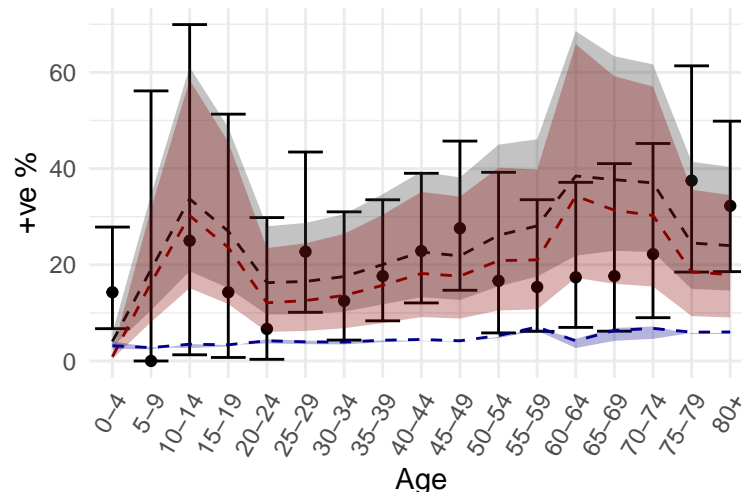


IFR x 1, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

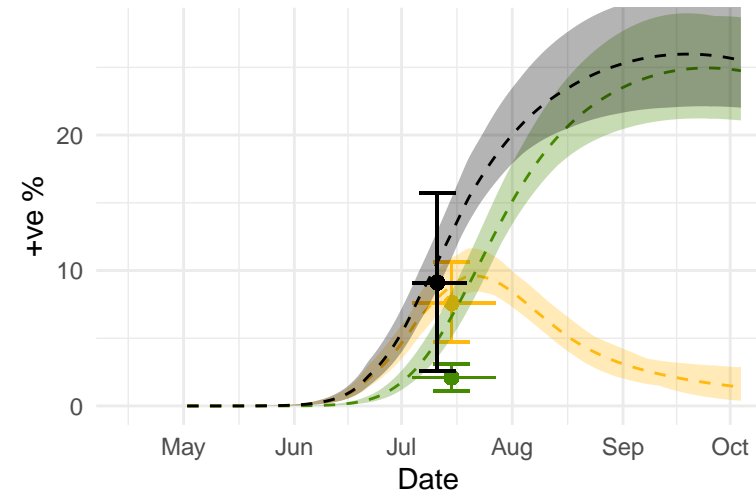


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

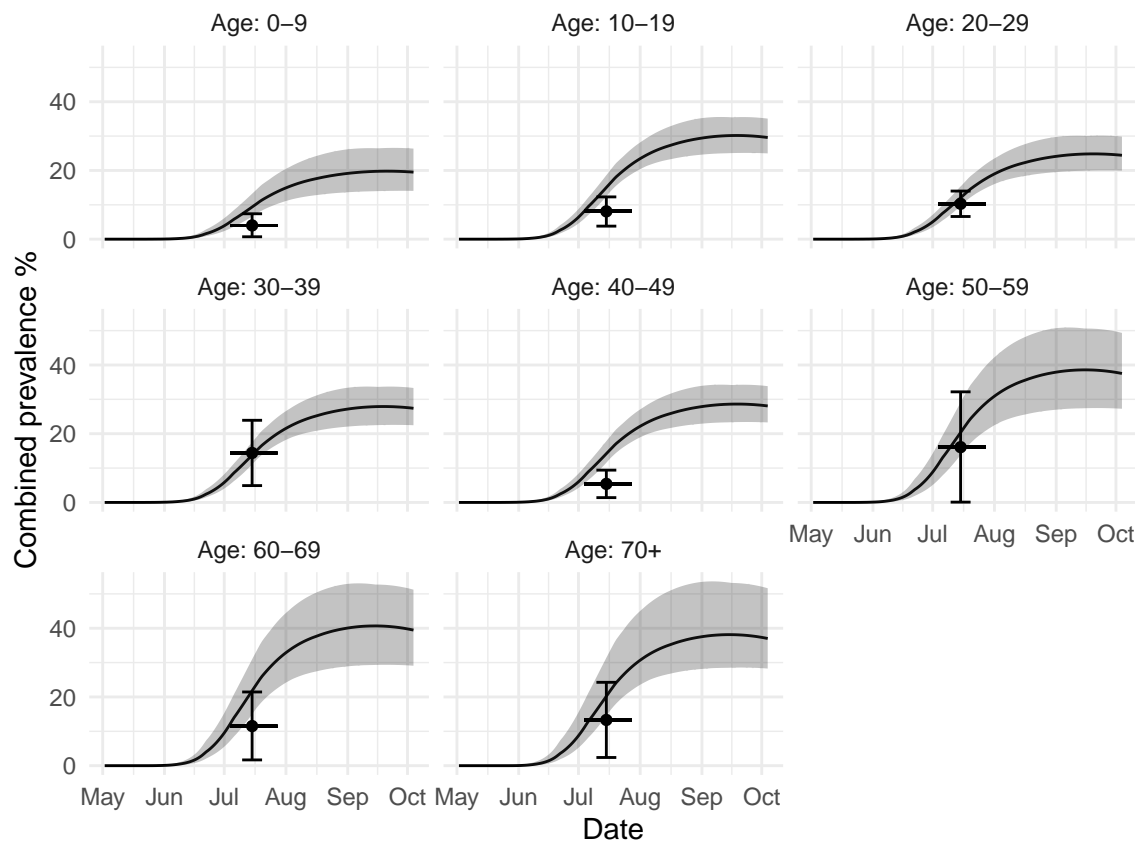


COVID-19 prevalence
Lusaka/Zambia

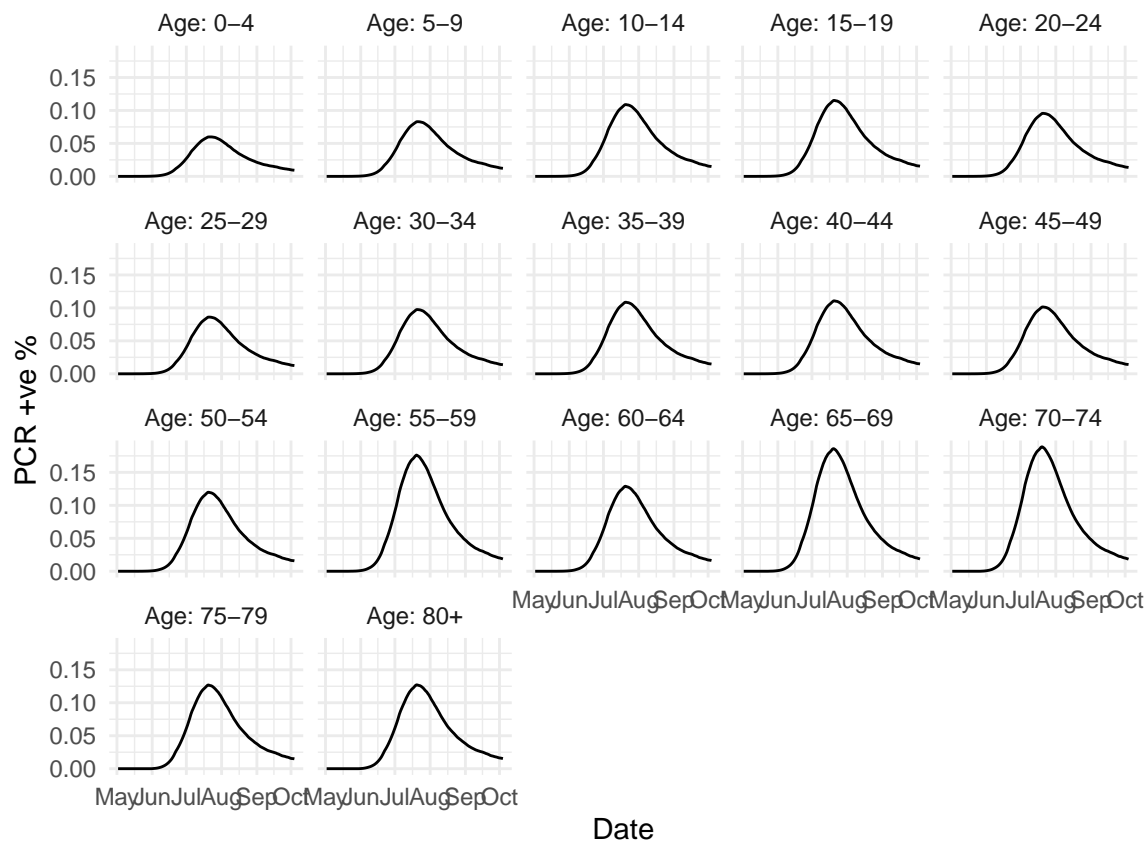


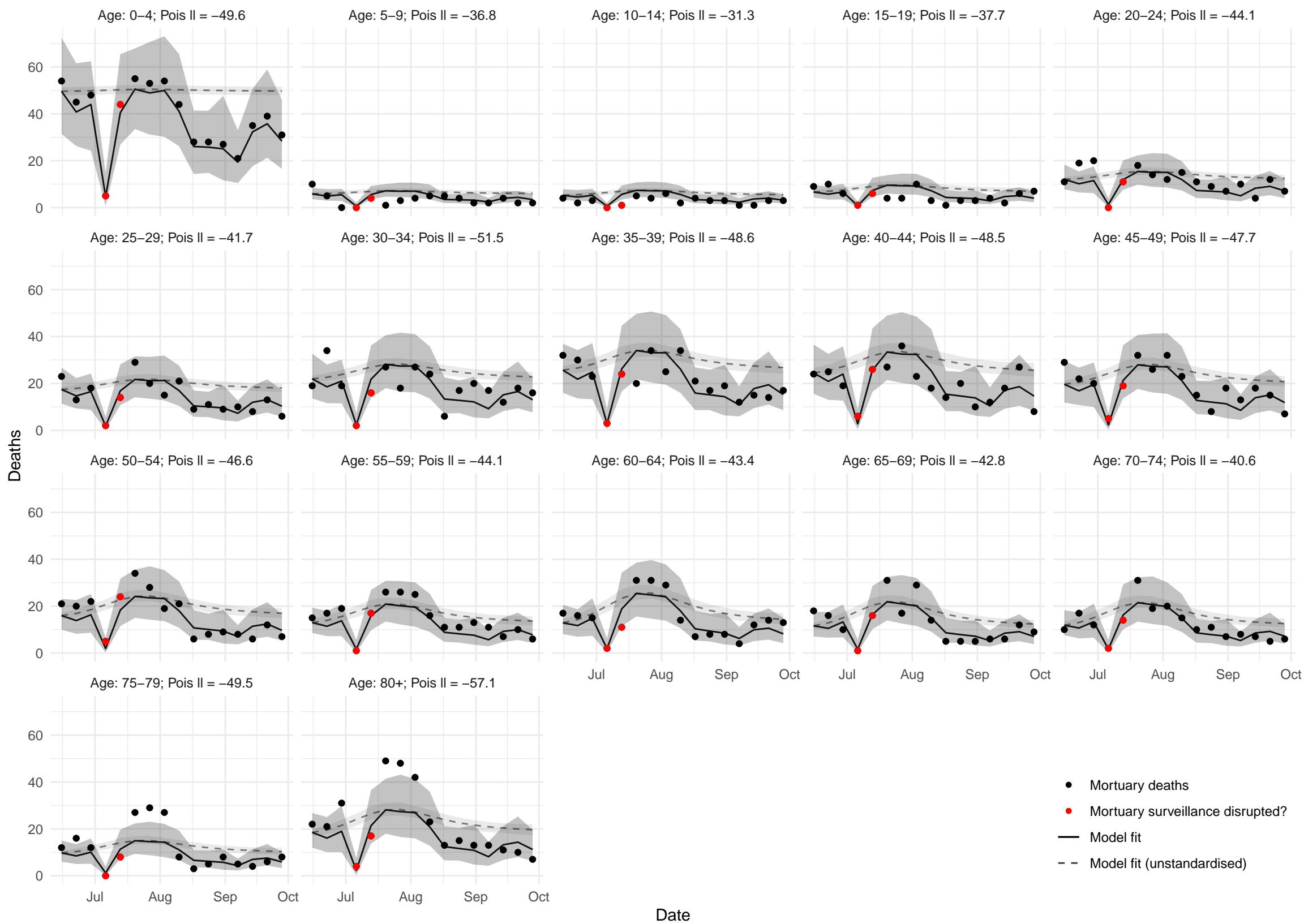
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 1, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

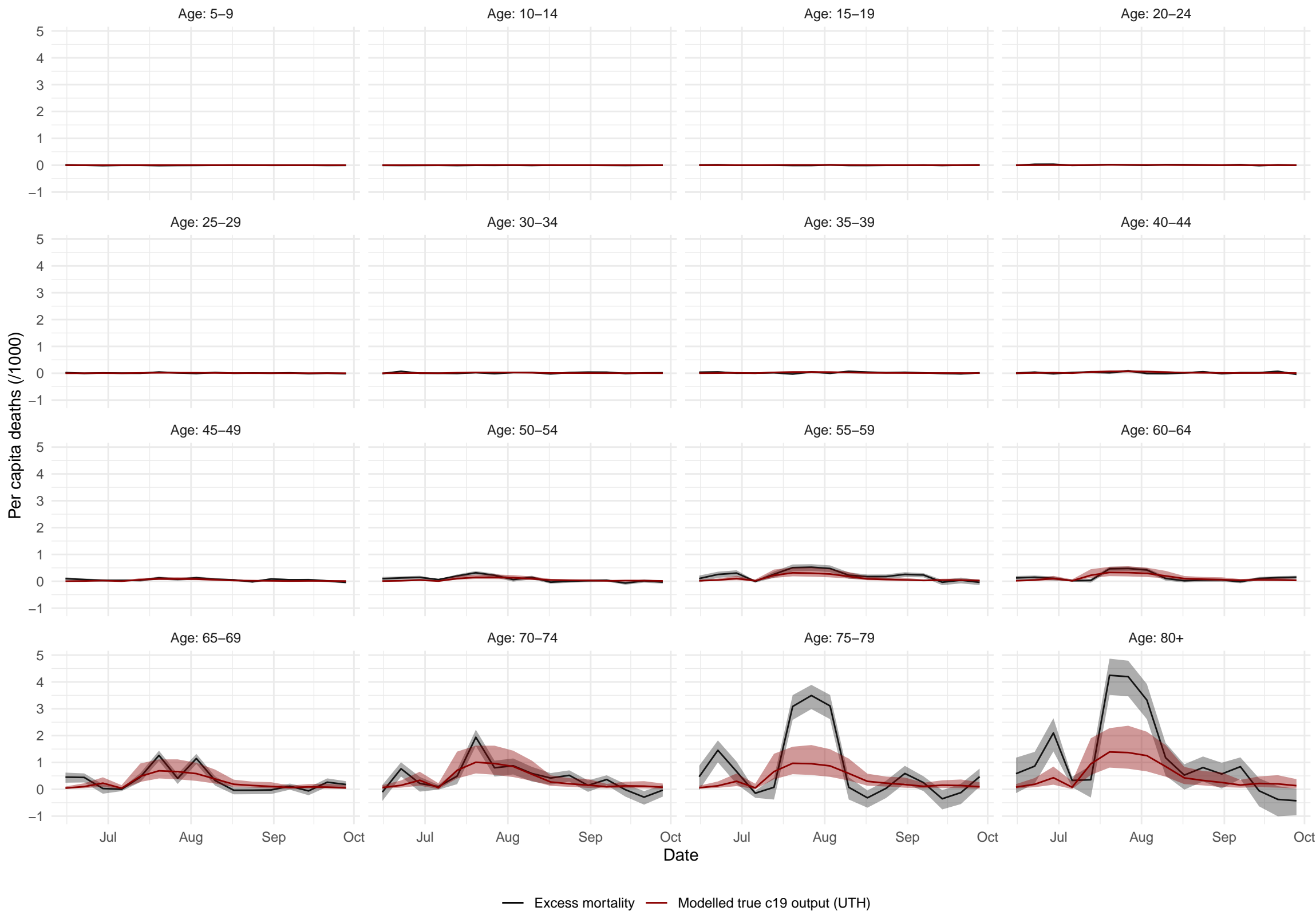


IFR x 1, Slope x 0.8
Modelled PCR % by age group (mid-week)

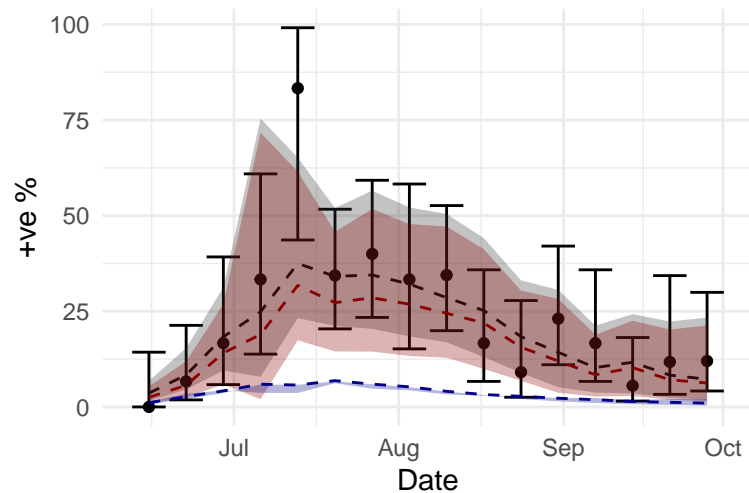




IFR x 1, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

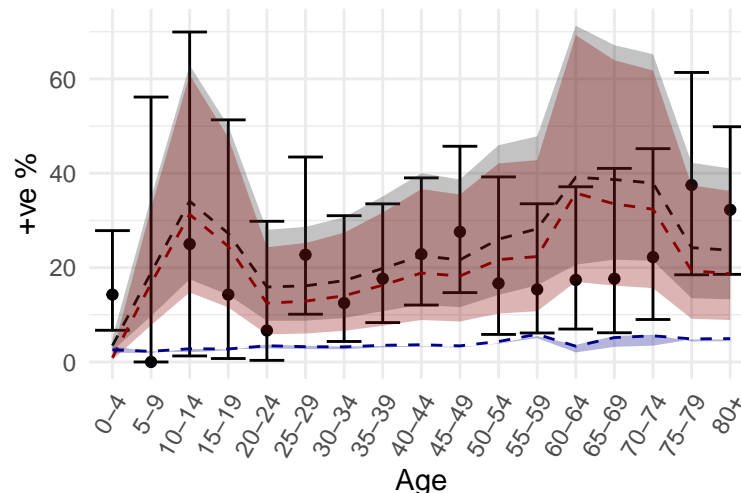


IFR x 1.25, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

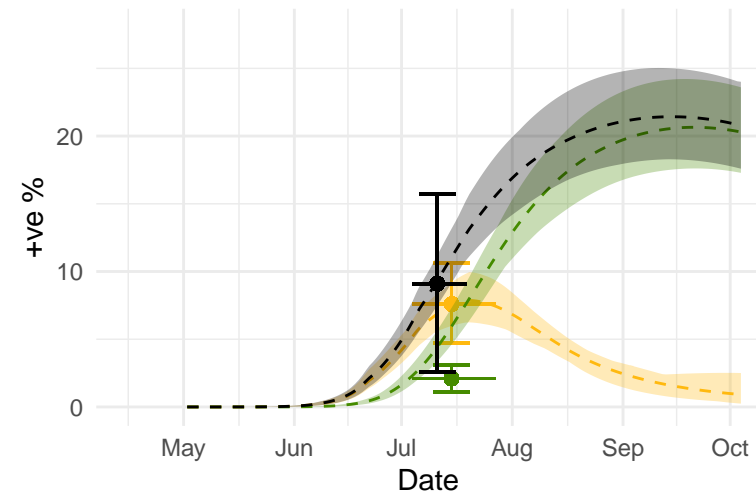


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

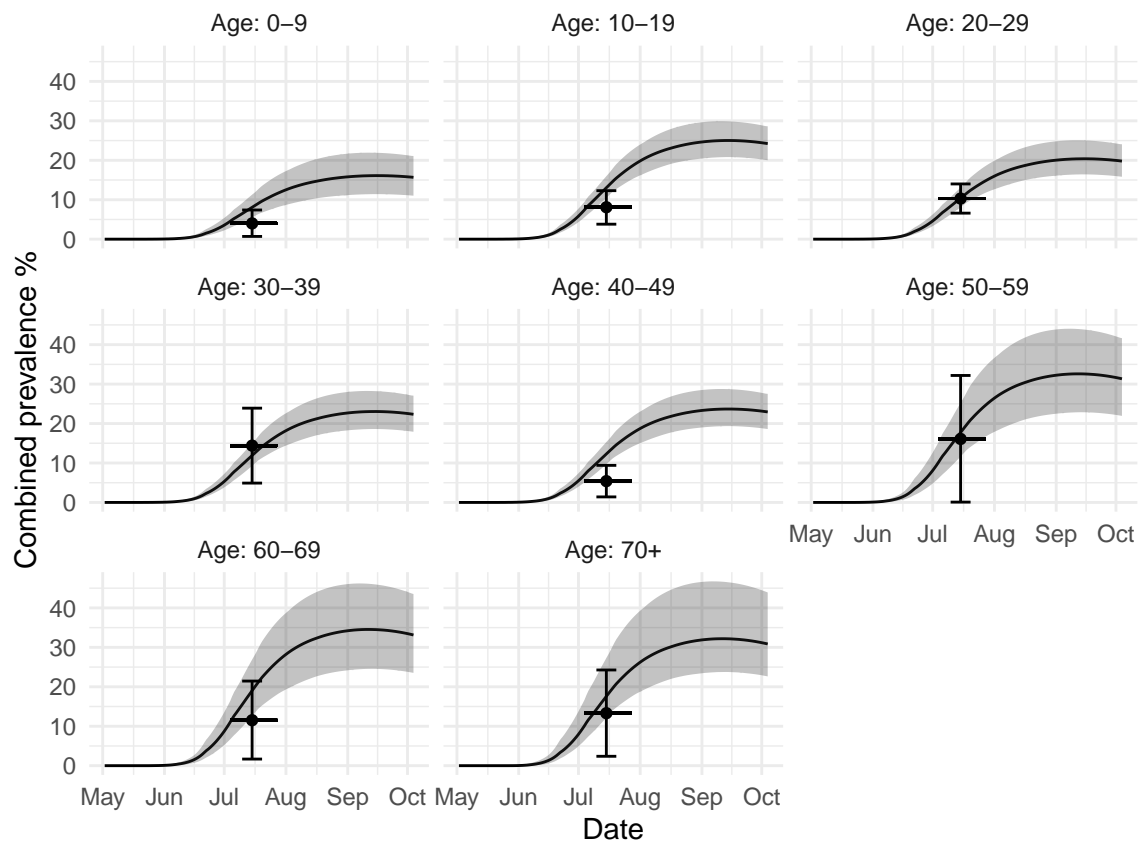


COVID-19 prevalence
Lusaka/Zambia

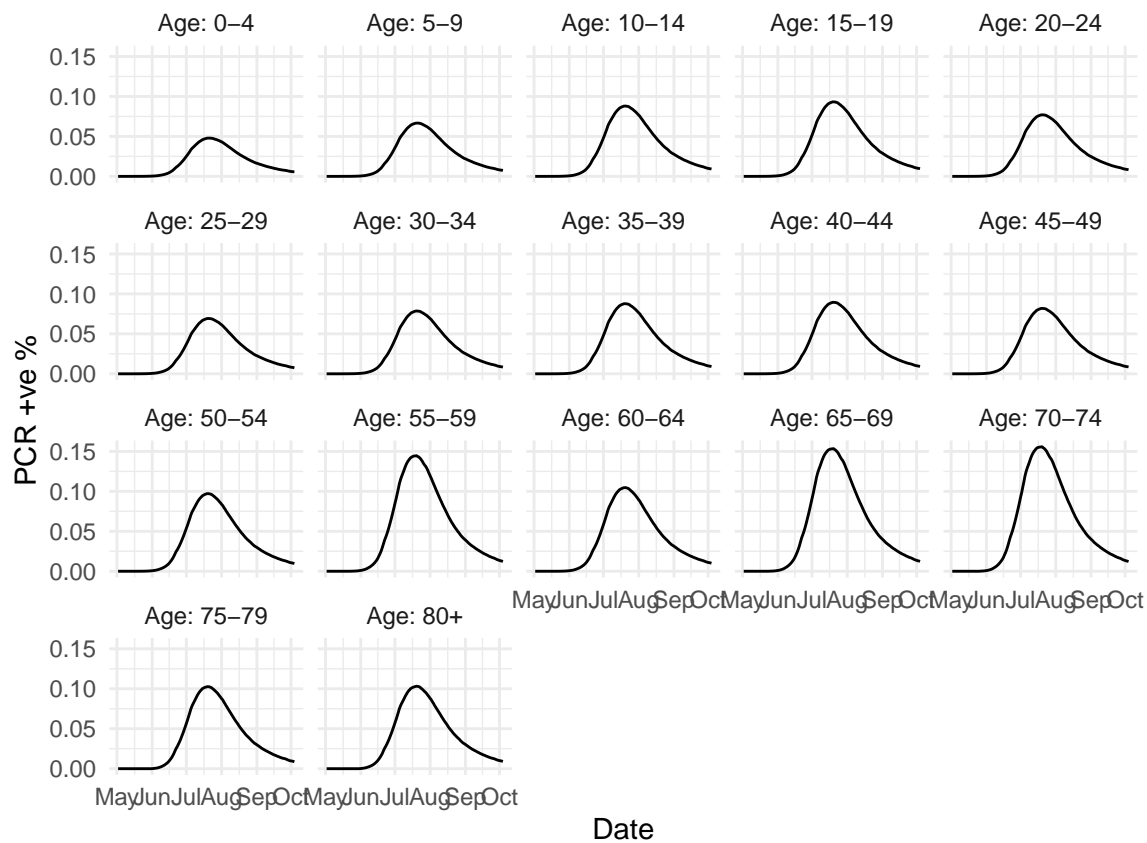


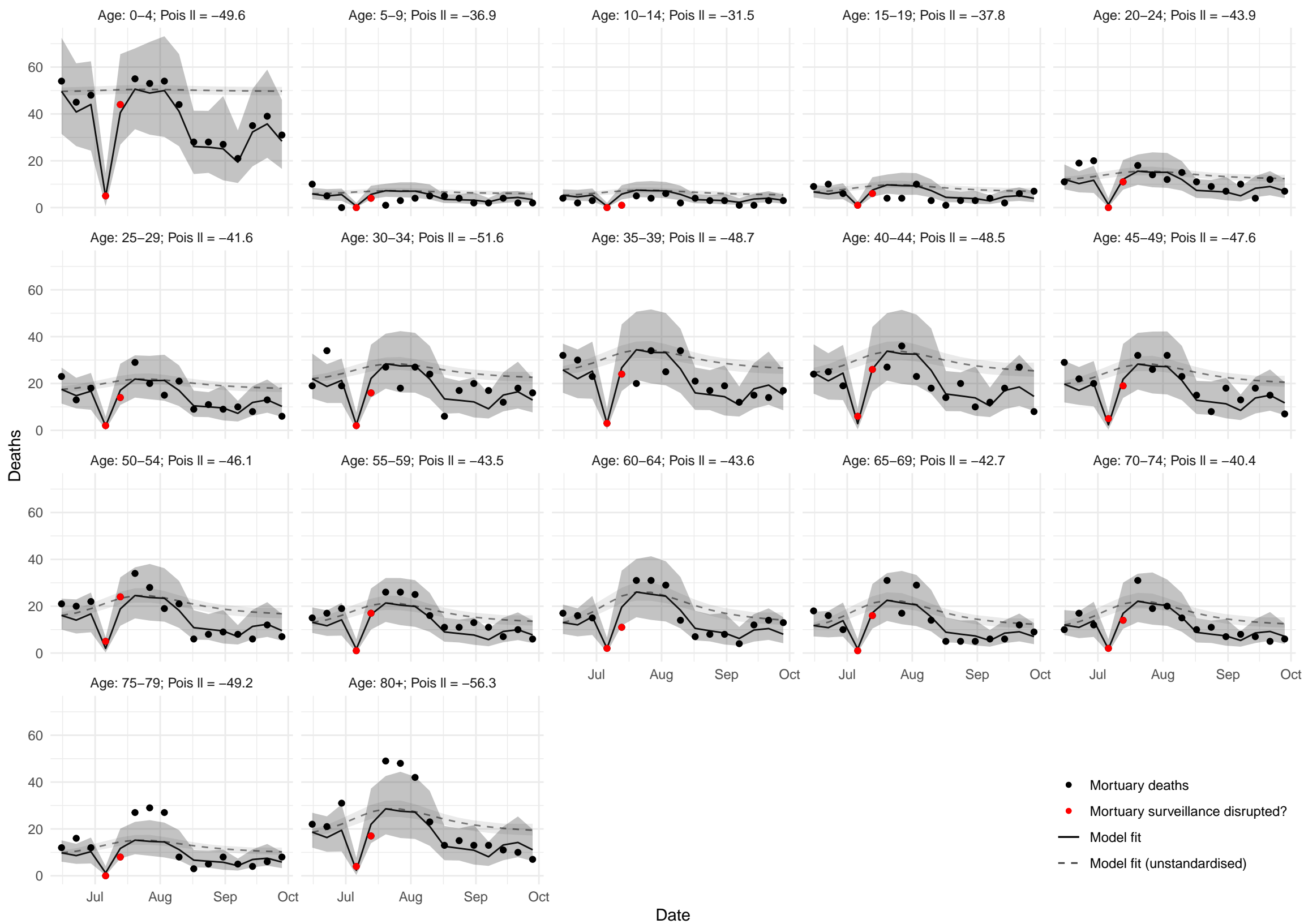
● Combined % (Lusaka)
-- PCR % (Zambia)
-- Sero % (Zambia)

IFR x 1.25, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

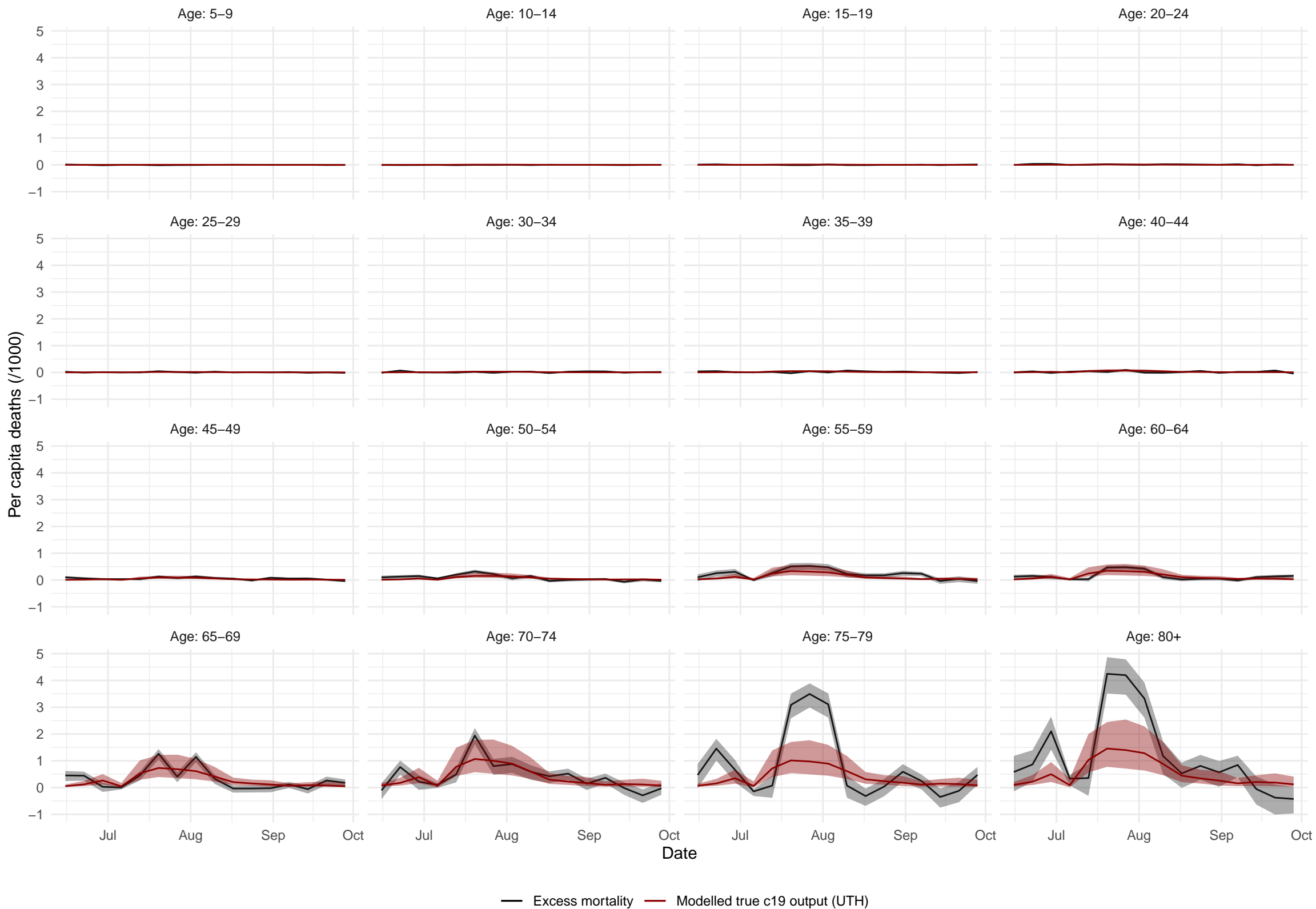


IFR x 1.25, Slope x 0.8
Modelled PCR % by age group (mid-week)

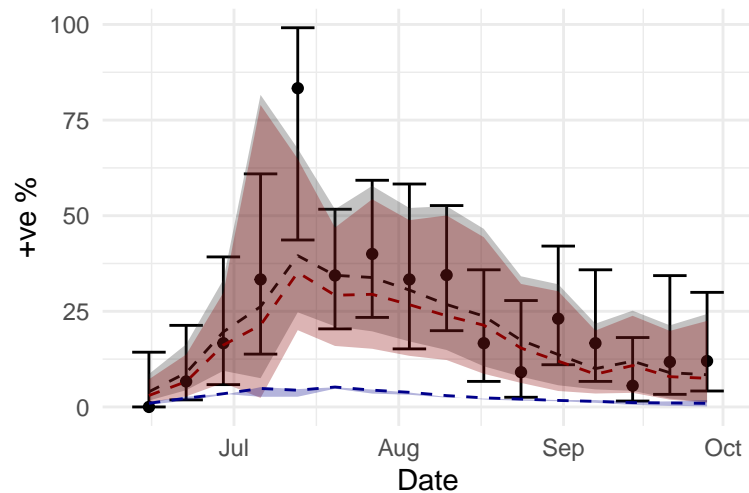




IFR x 1.25, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

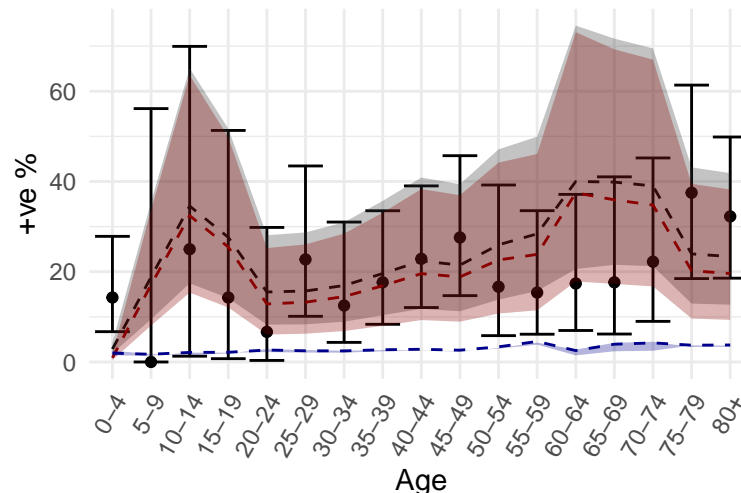


IFR x 1.67, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

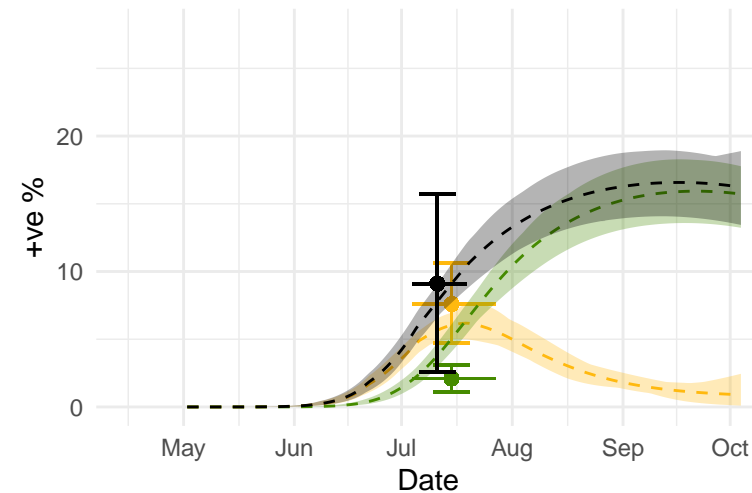


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

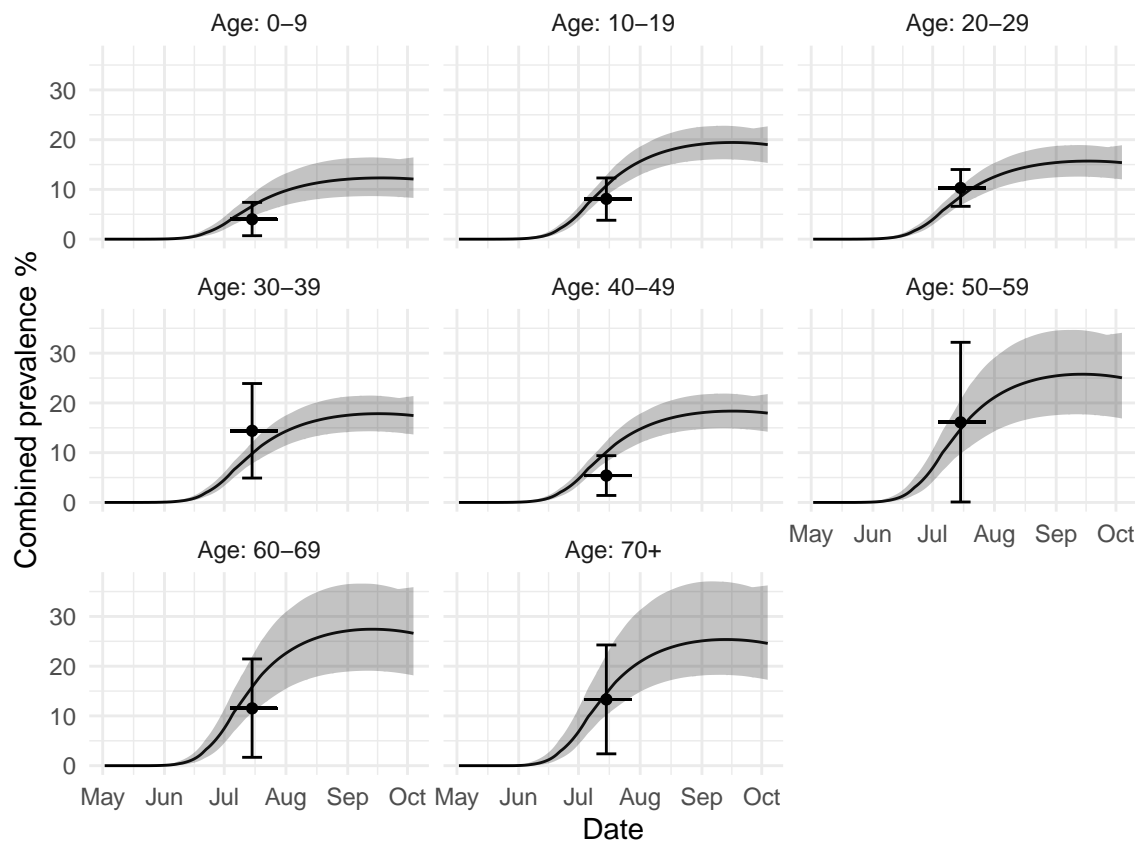


COVID-19 prevalence
Lusaka/Zambia

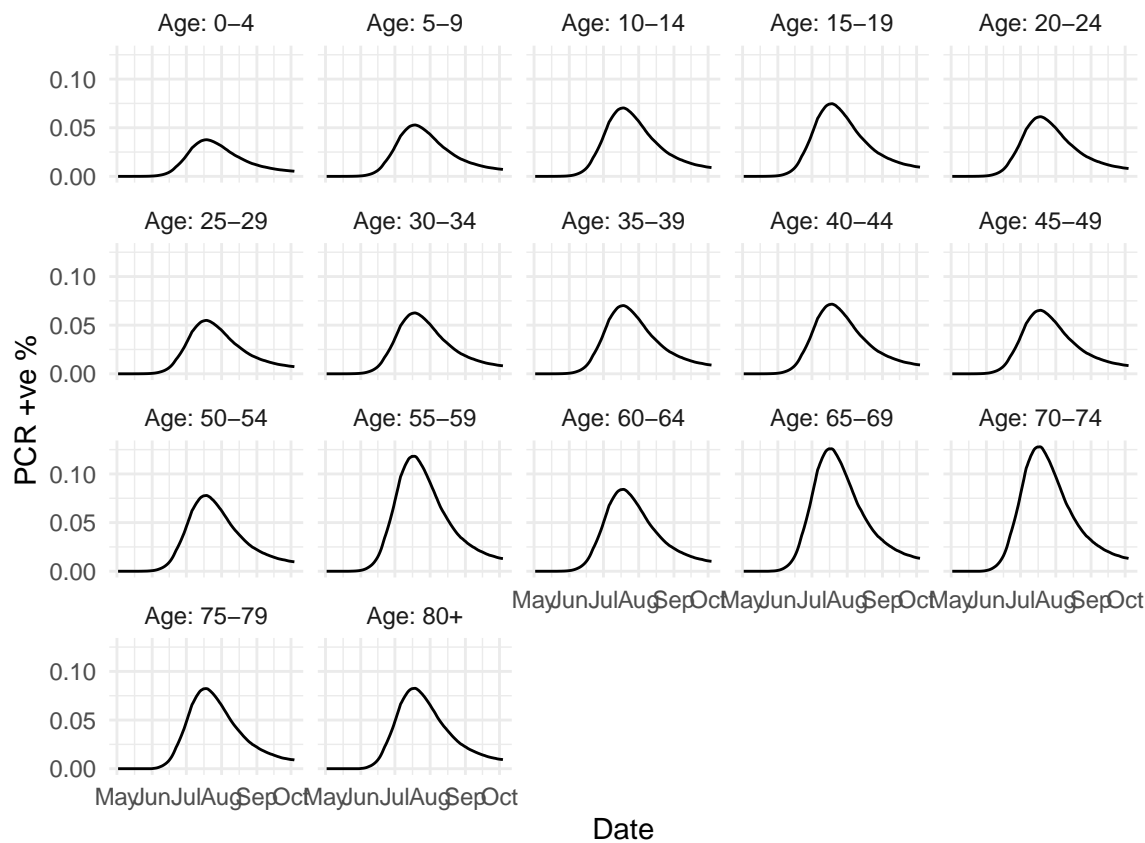


● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

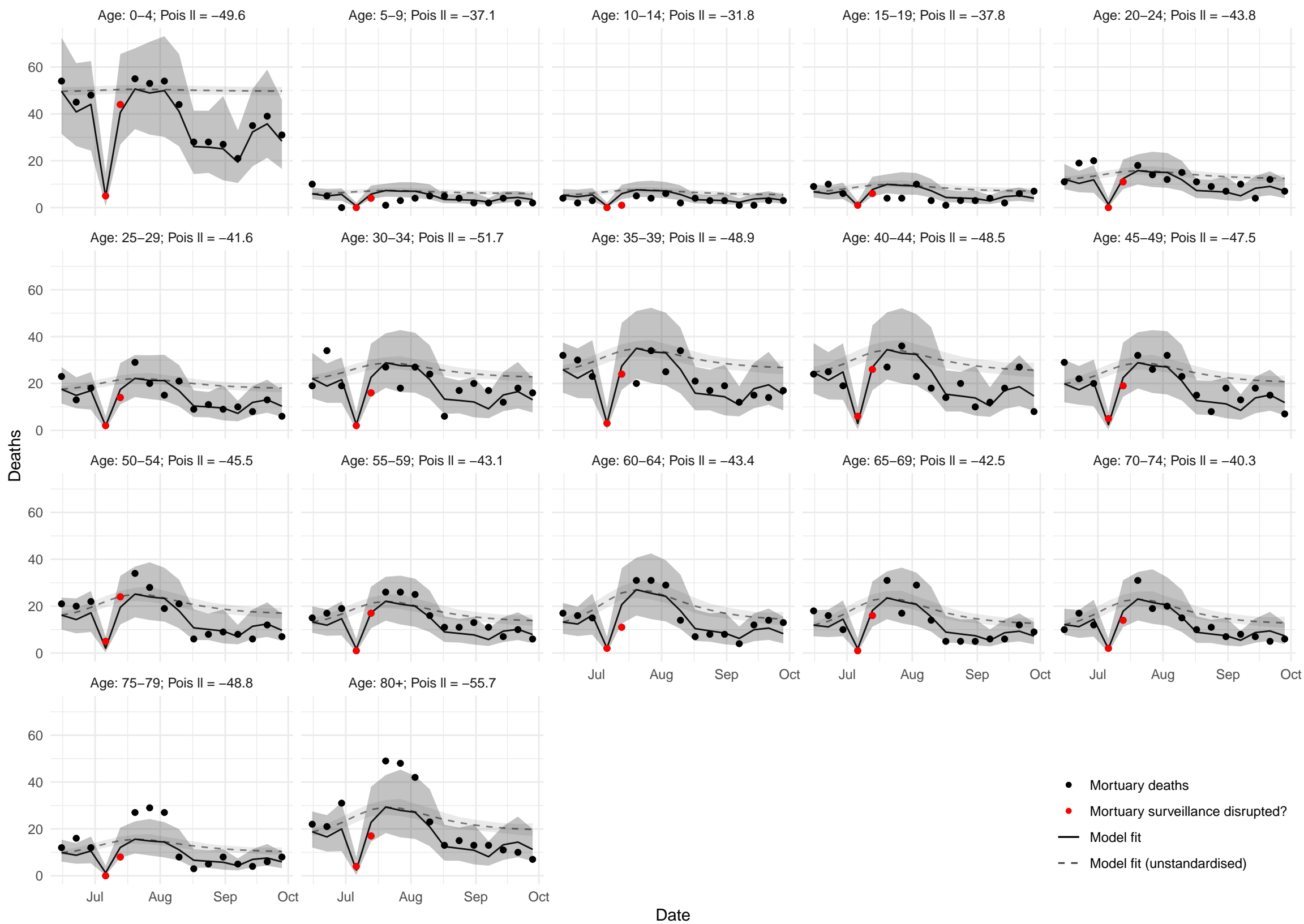
IFR x 1.67, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka



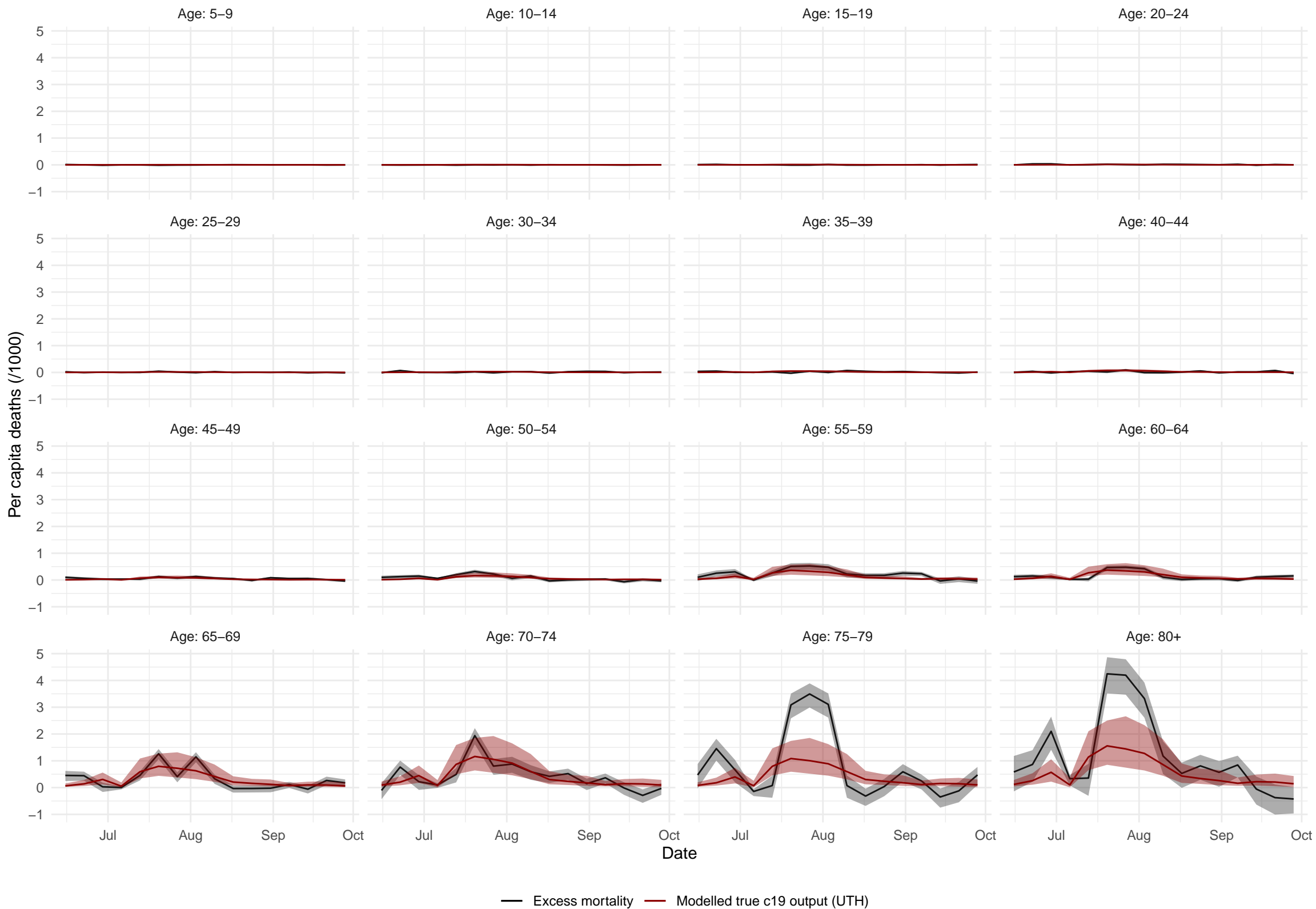
IFR x 1.67, Slope x 0.8
Modelled PCR % by age group (mid-week)



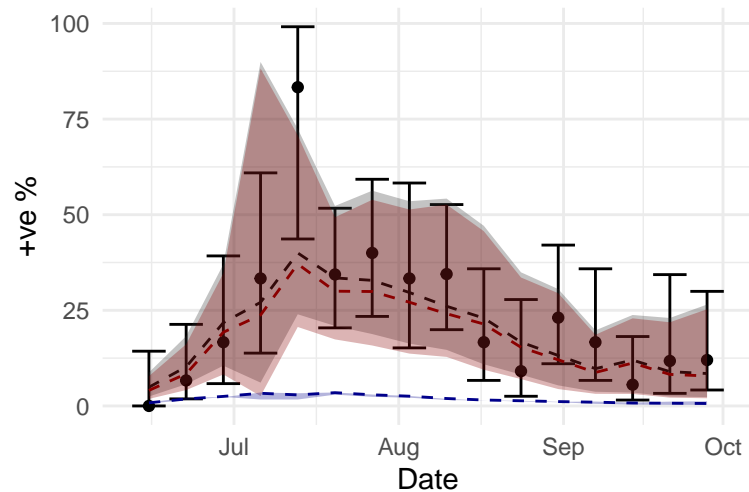
IFR x 1.67, Slope x 0.8
COVID-19 weekly deaths (Mortuary)



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

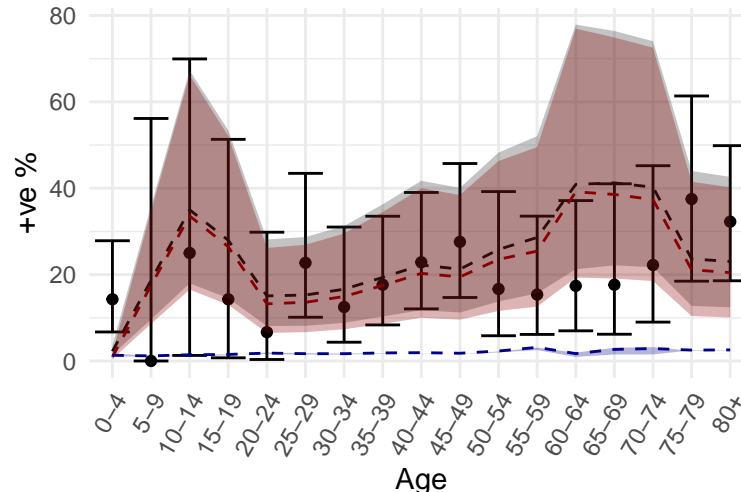


IFR x 2.5, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary

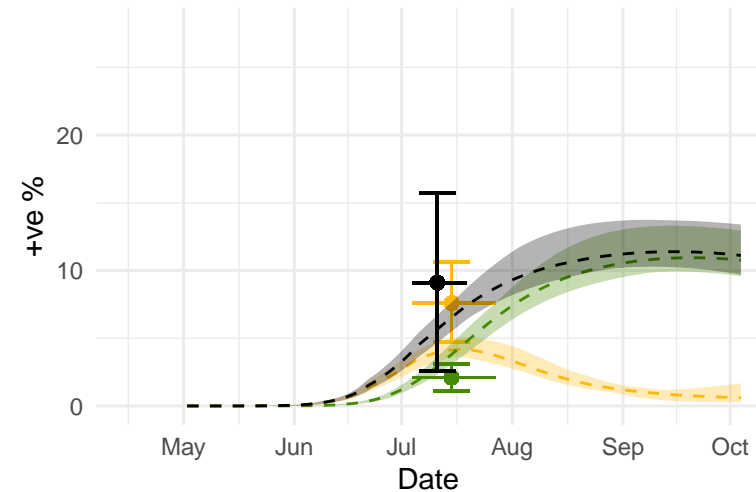


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

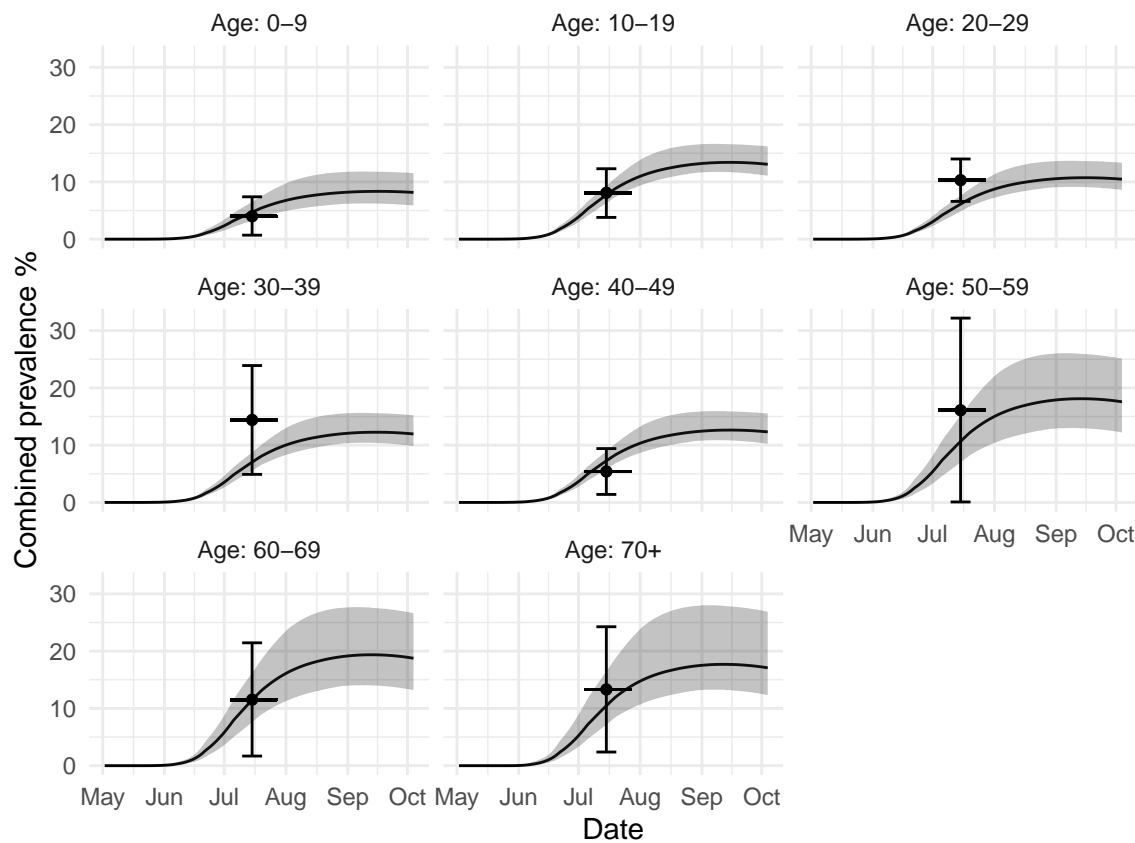


COVID-19 prevalence
Lusaka/Zambia

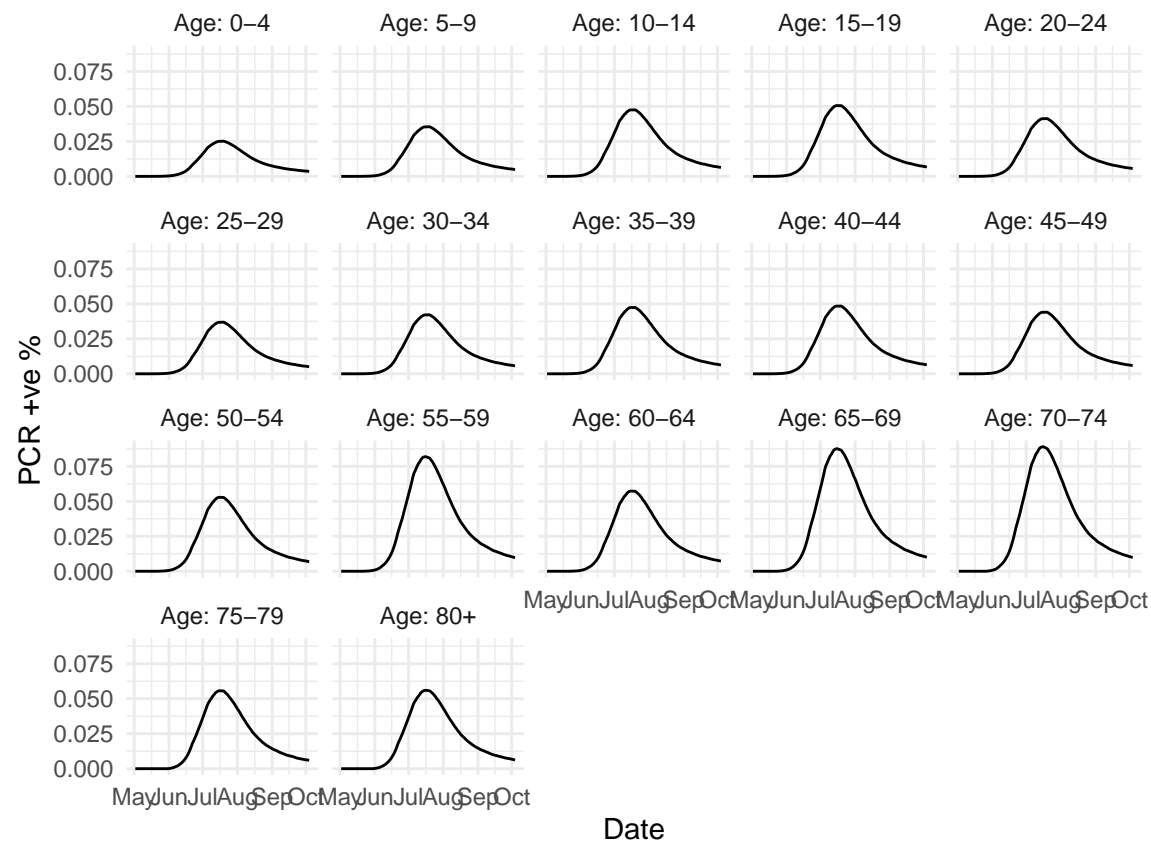


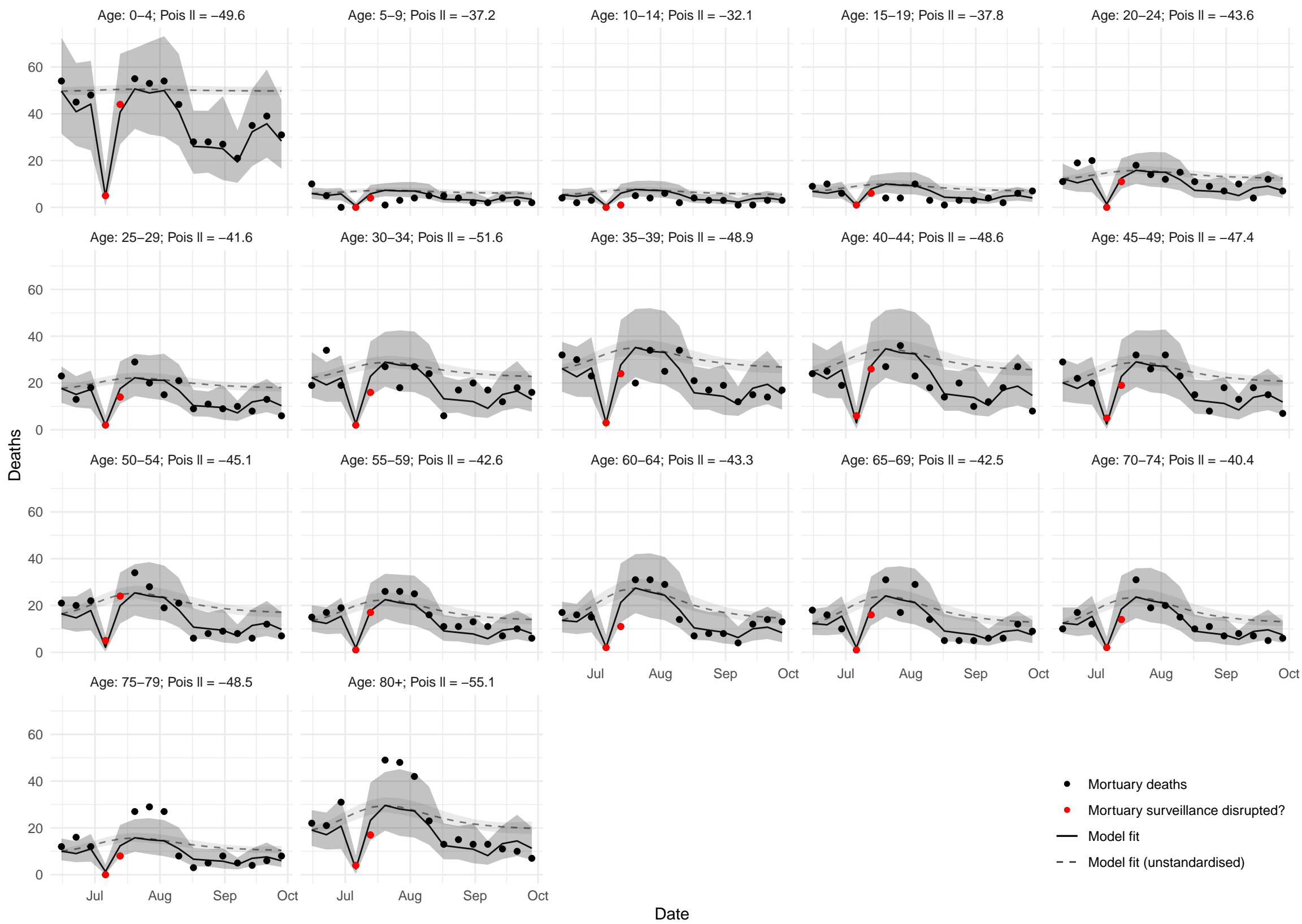
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 2.5, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

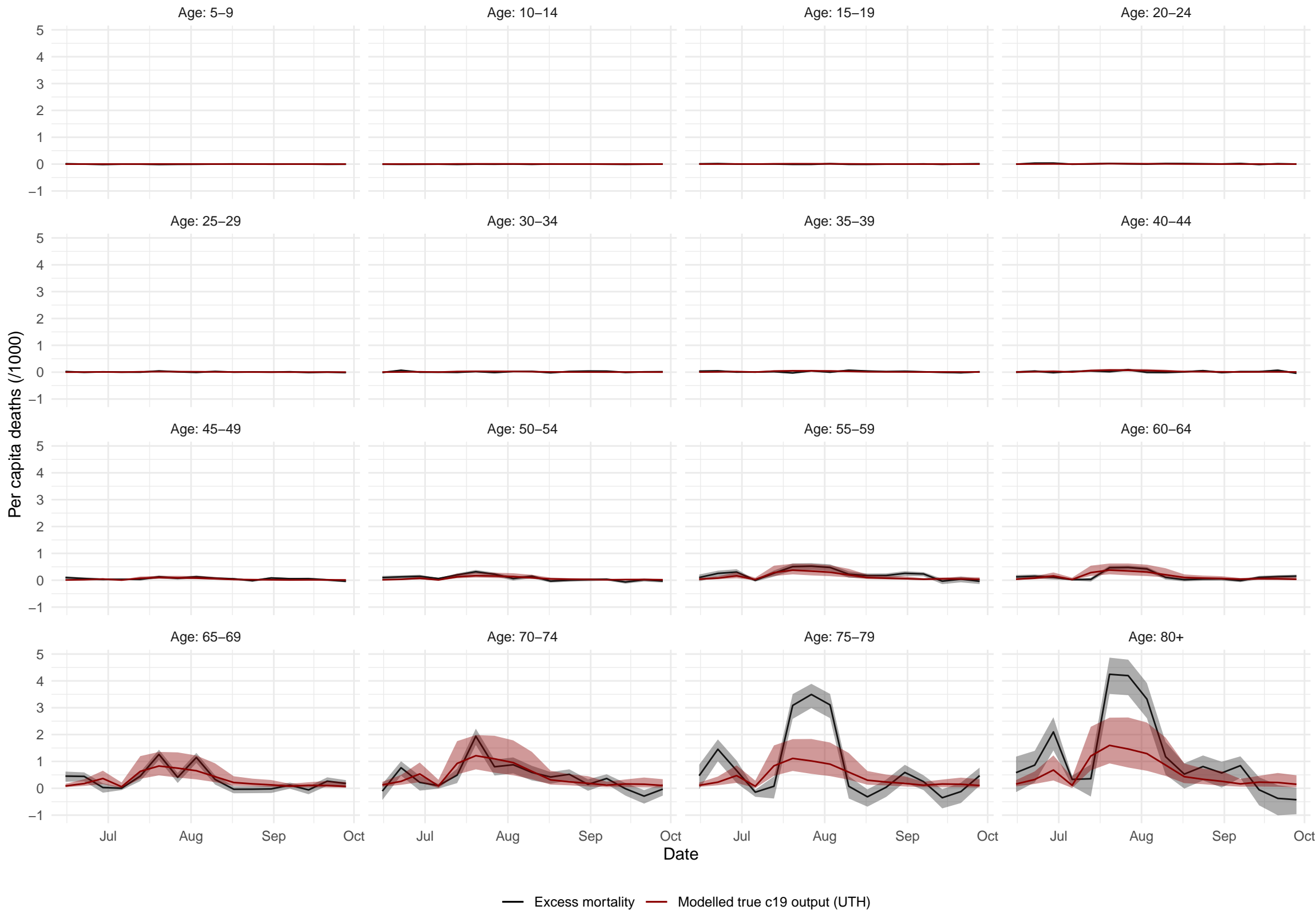


IFR x 2.5, Slope x 0.8
Modelled PCR % by age group (mid-week)

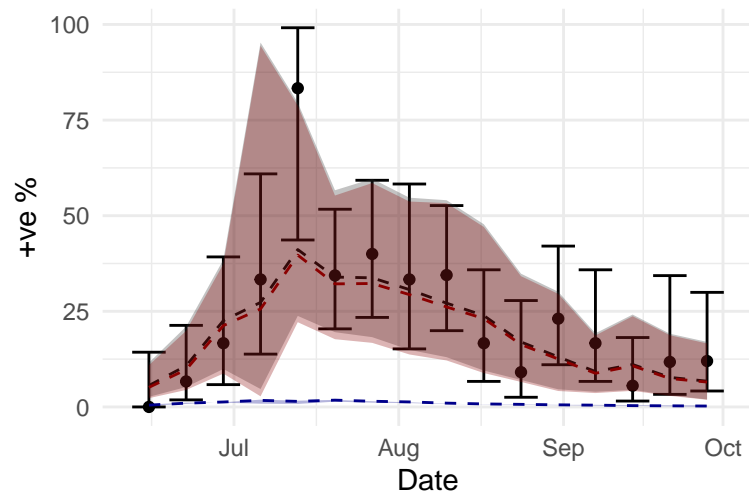




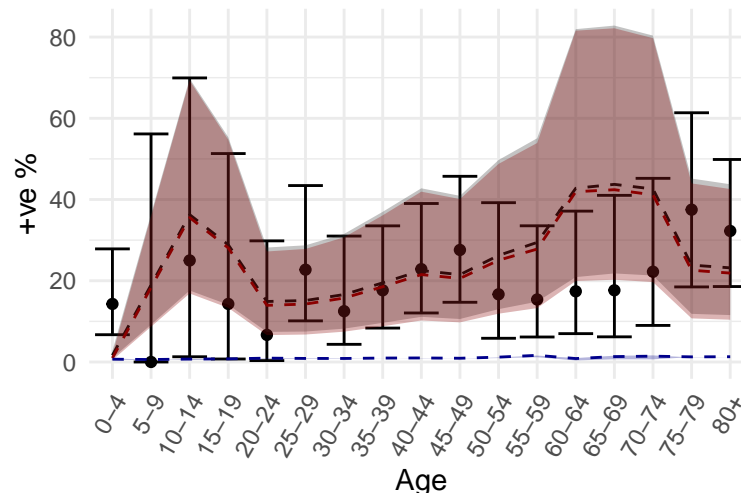
IFR x 2.5, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results



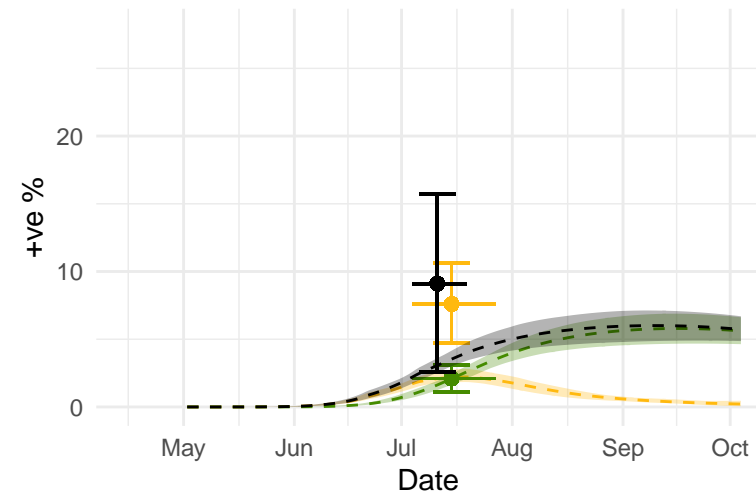
IFR x 5, Slope x 0.8
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
UTH mortuary



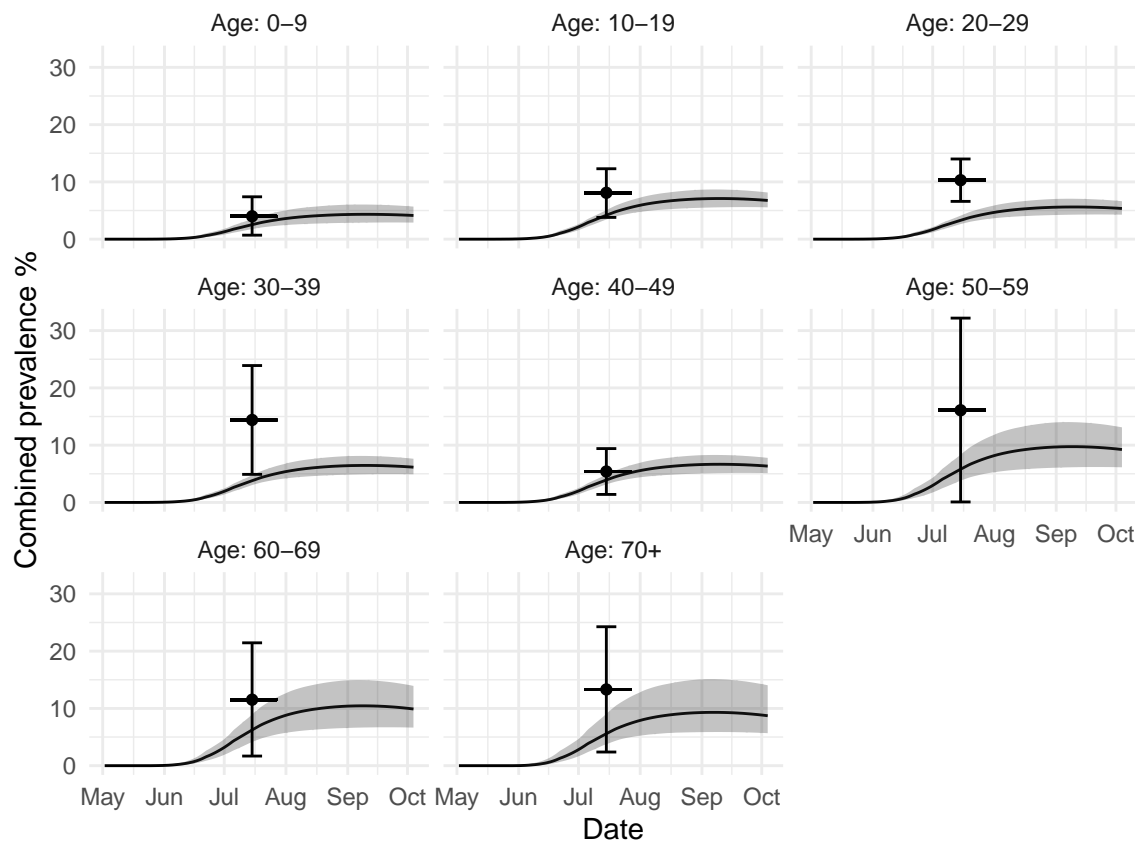
COVID-19 prevalence
Lusaka/Zambia



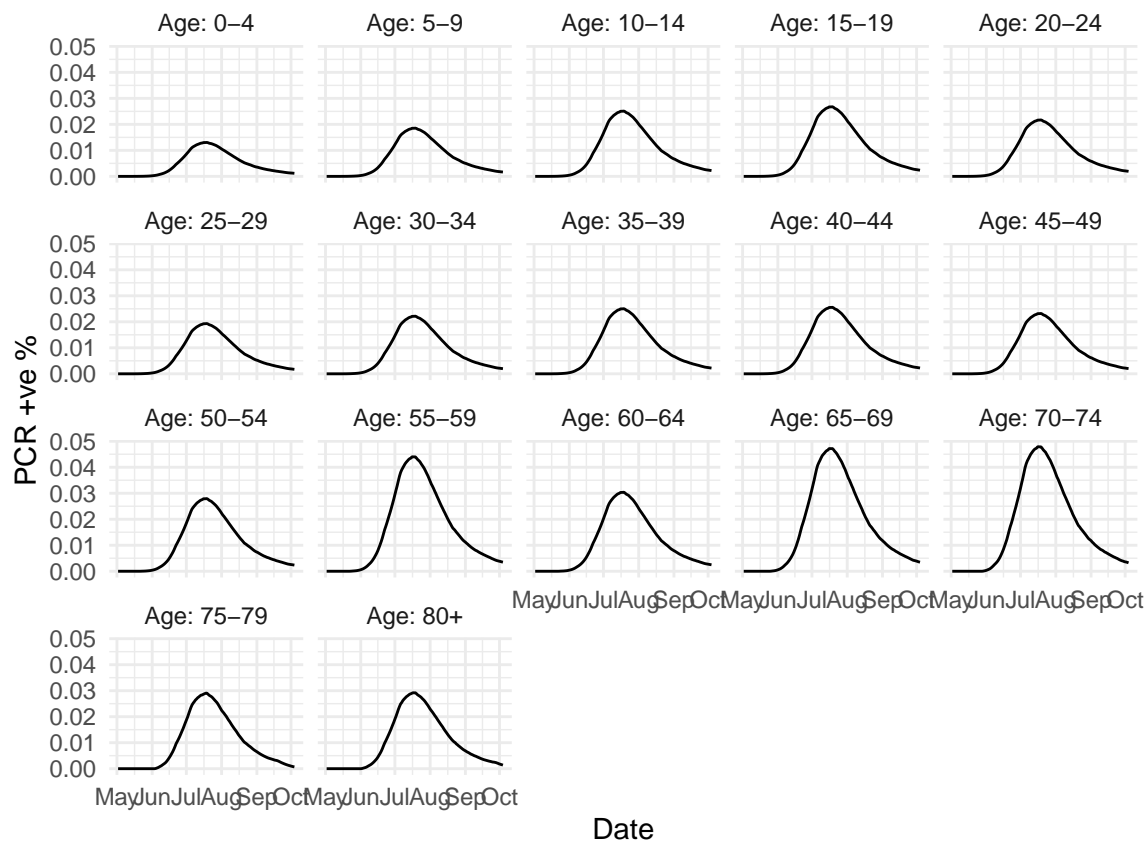
-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

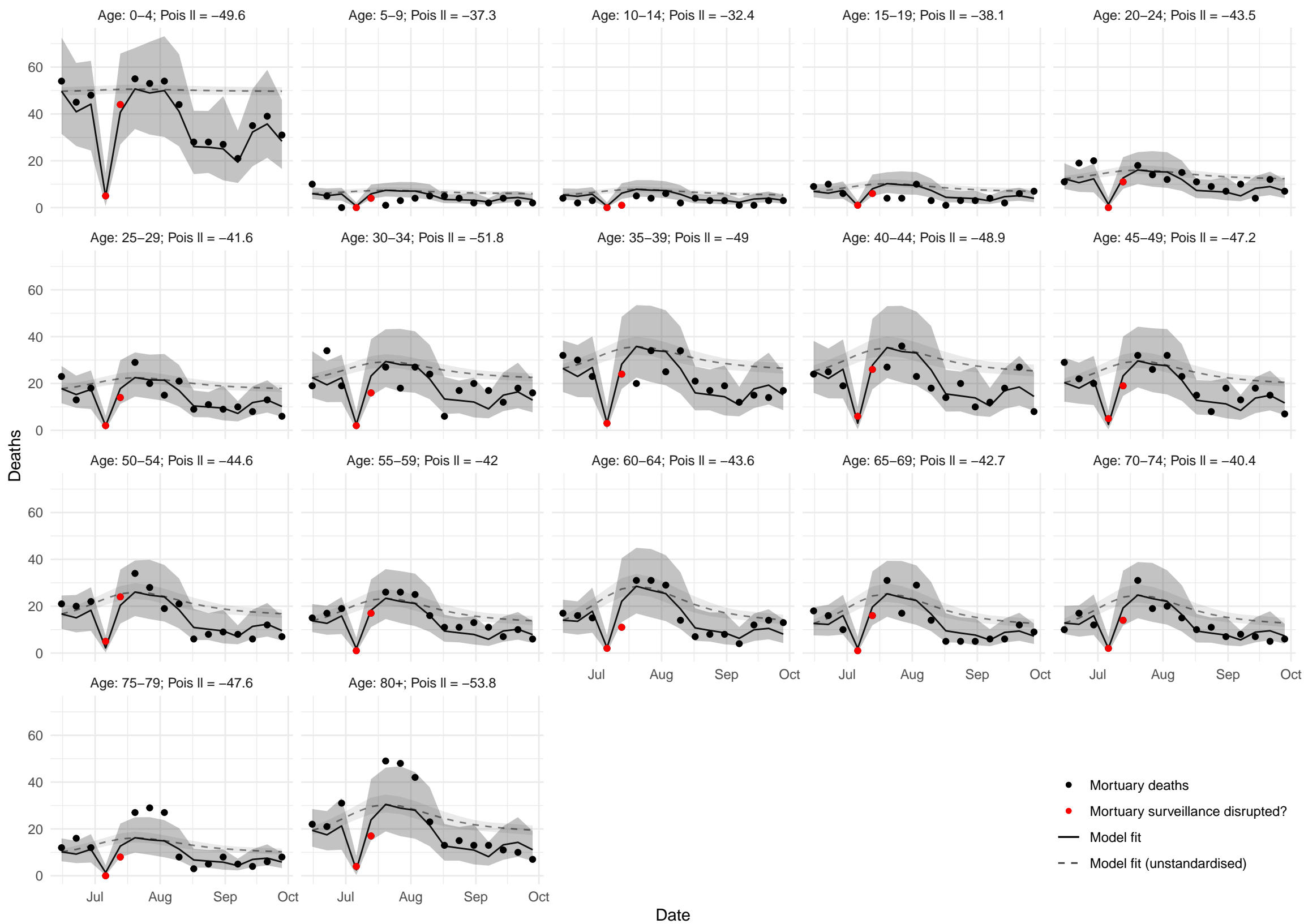
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 5, Slope x 0.8
Modelled COVID-19 Combined prevalence Lusaka

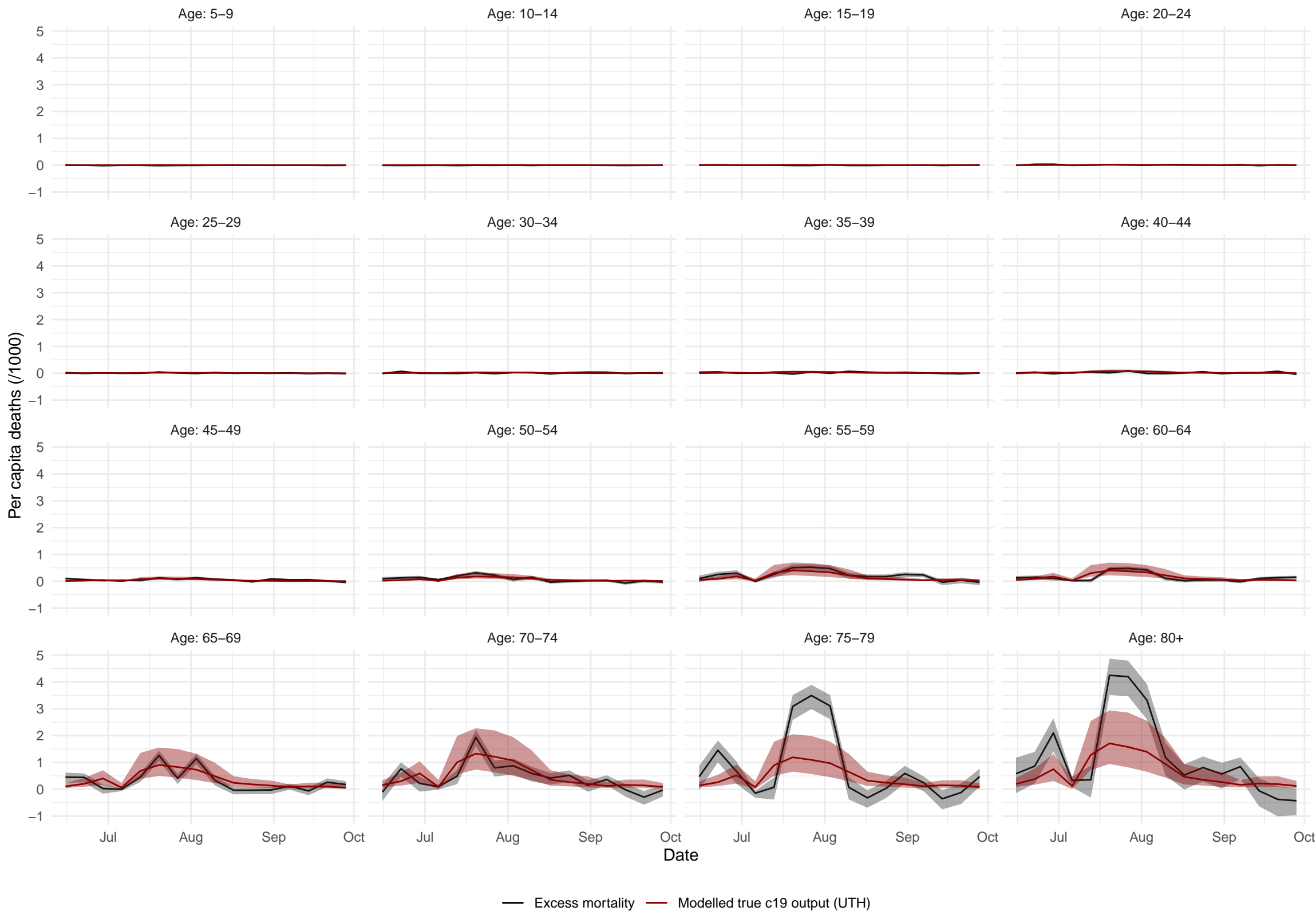


IFR x 5, Slope x 0.8
Modelled PCR % by age group (mid-week)

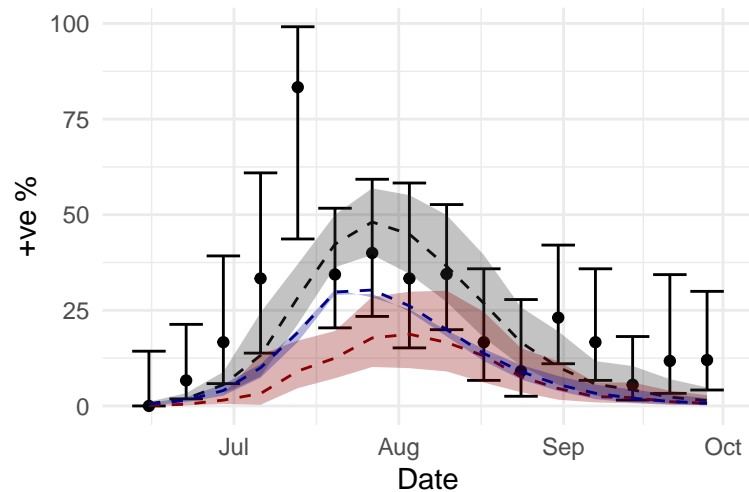




IFR x 5, Slope x 0.8
COVID-19 excess mortality: Comparison of MCMC results with squire results

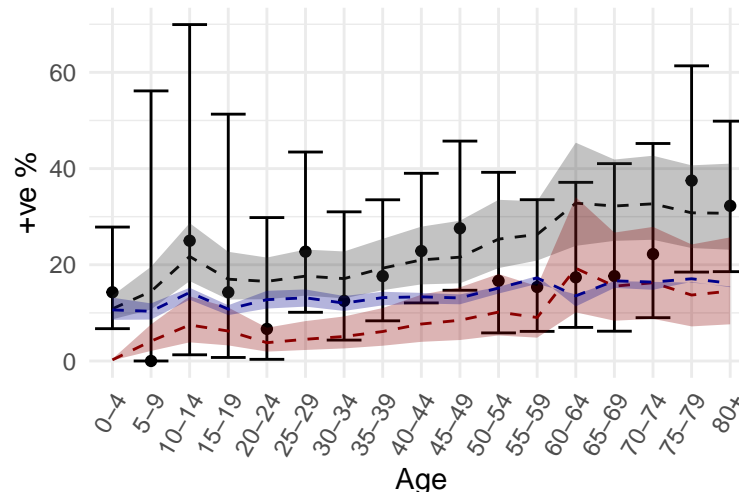


IFR x 0.2, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

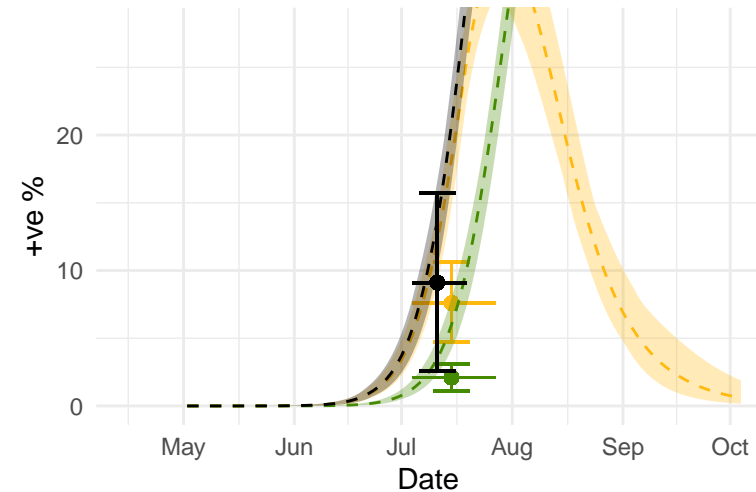


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

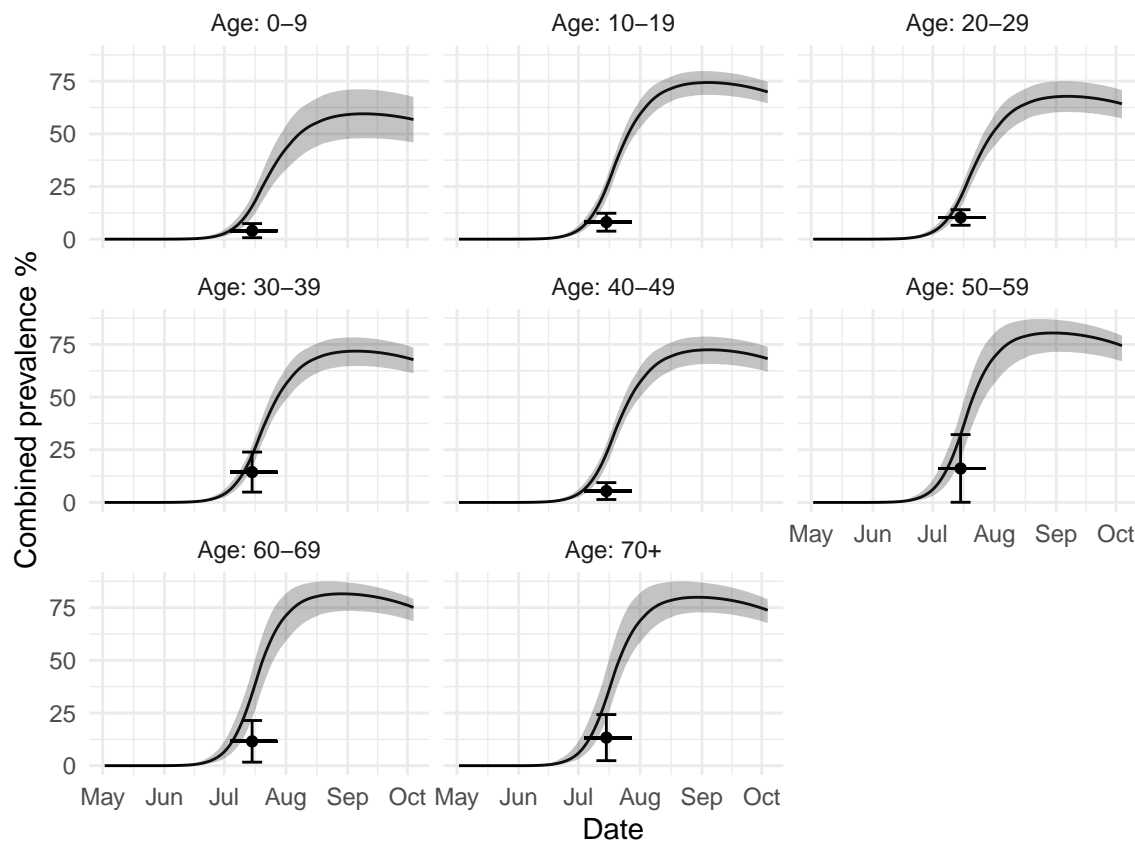


COVID-19 prevalence
Lusaka/Zambia

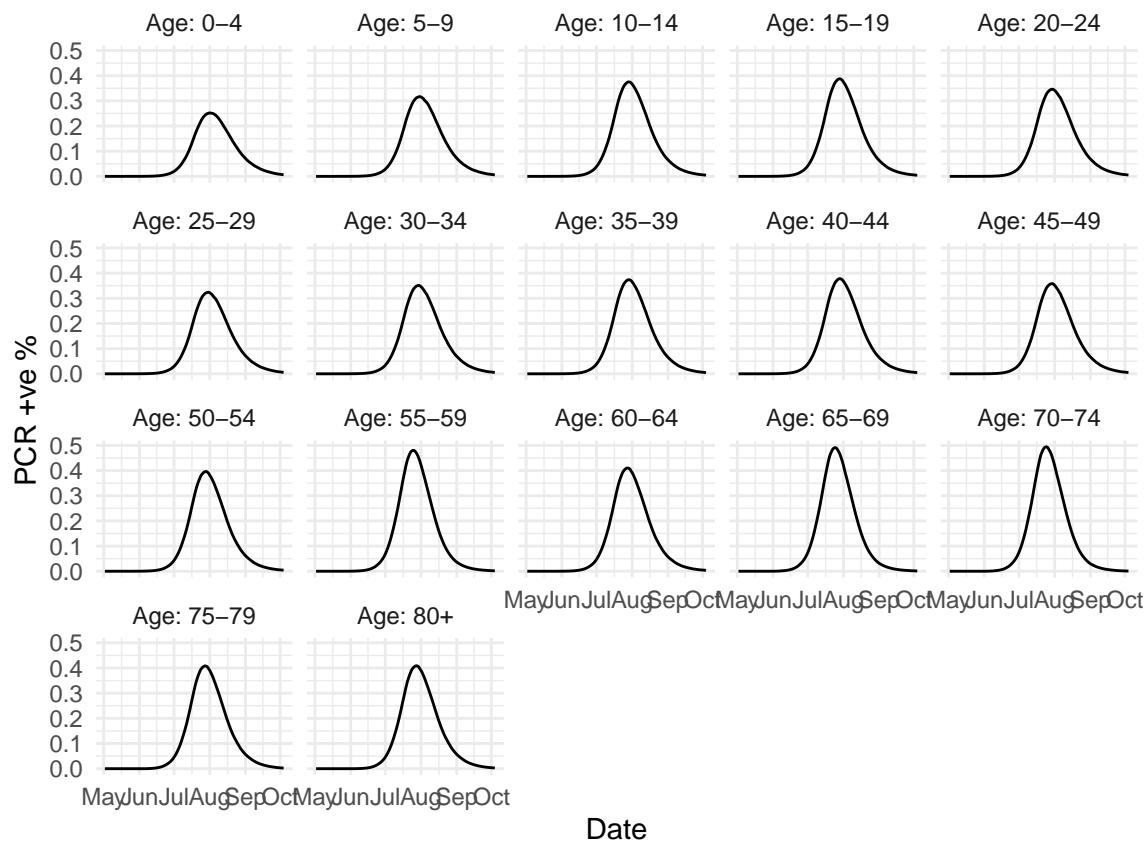


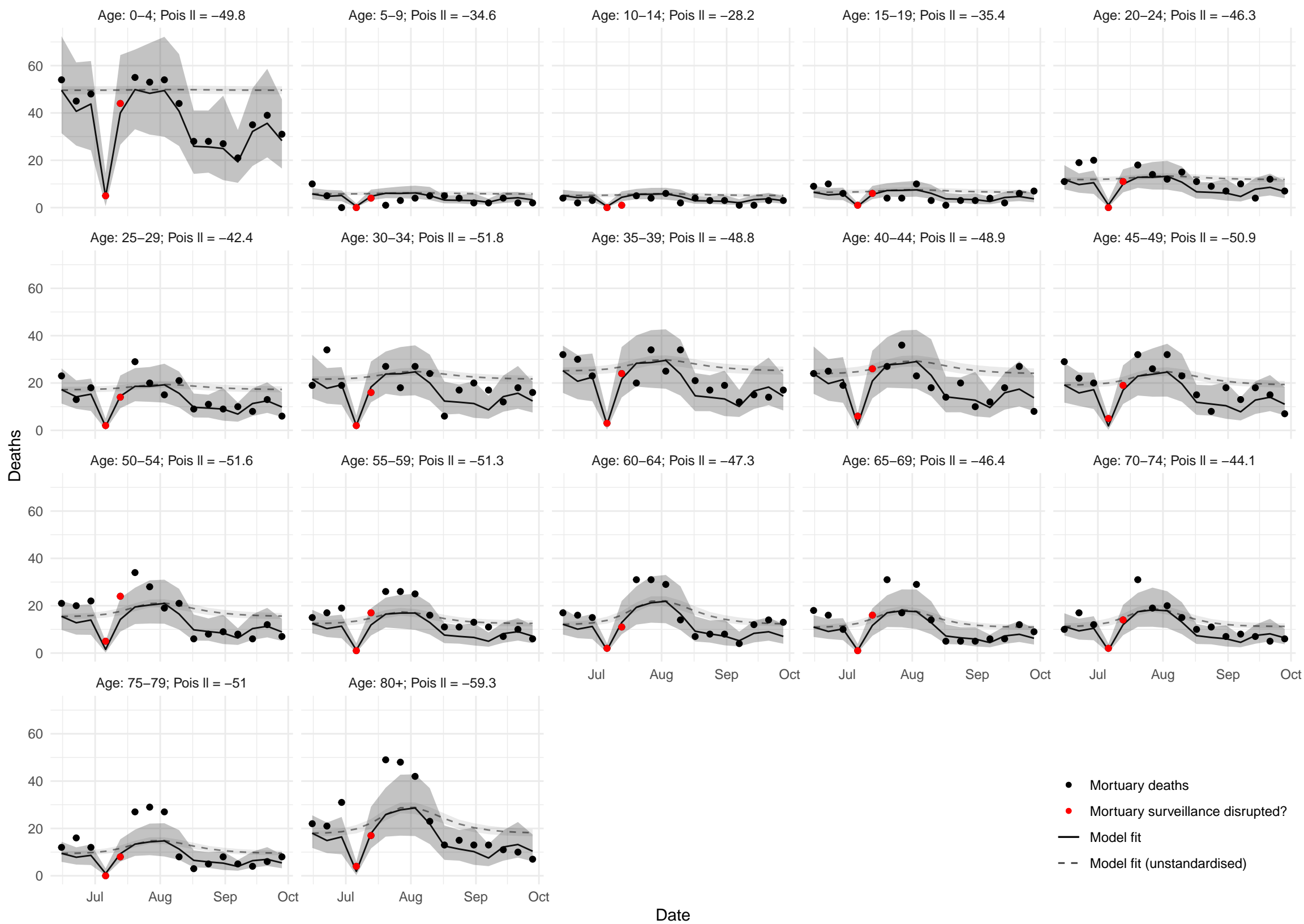
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.2, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

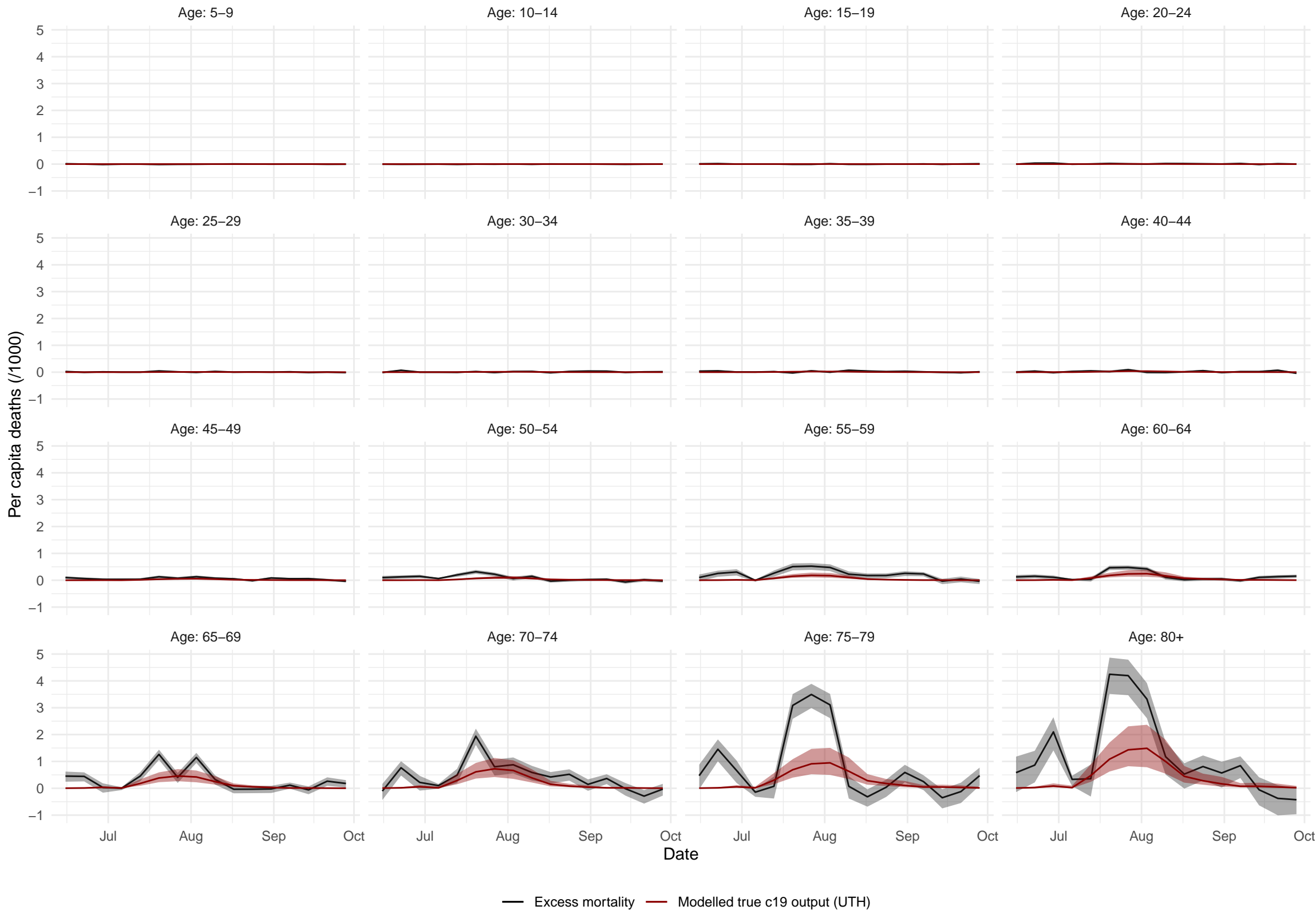


IFR x 0.2, Slope x 1
Modelled PCR % by age group (mid-week)

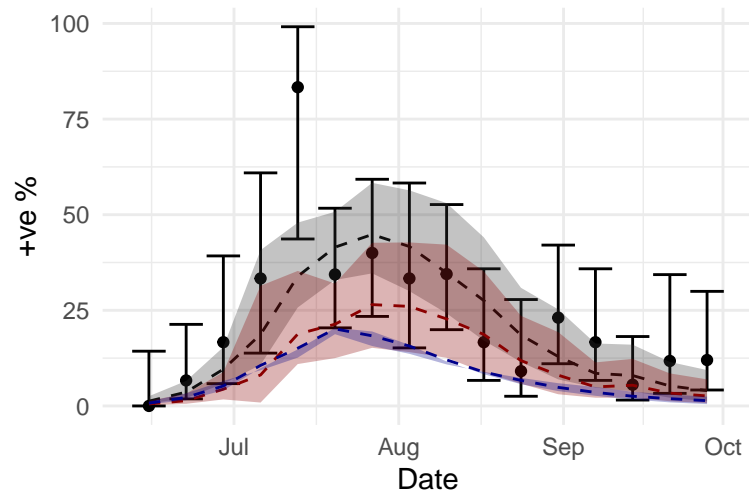




IFR x 0.2, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results

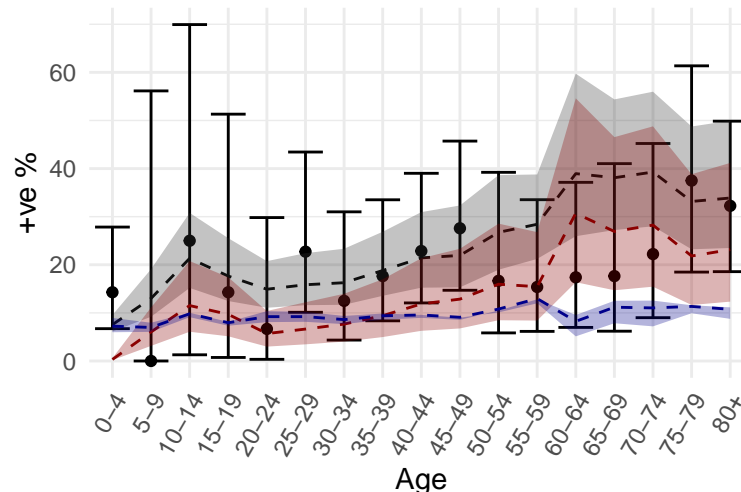


IFR x 0.4, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

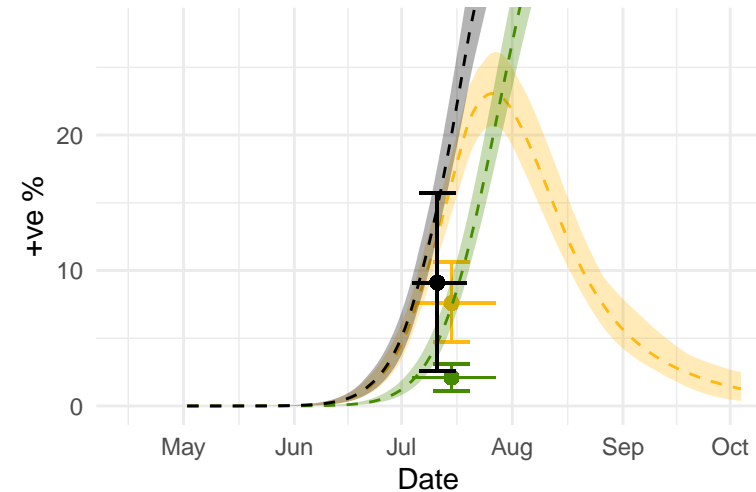


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

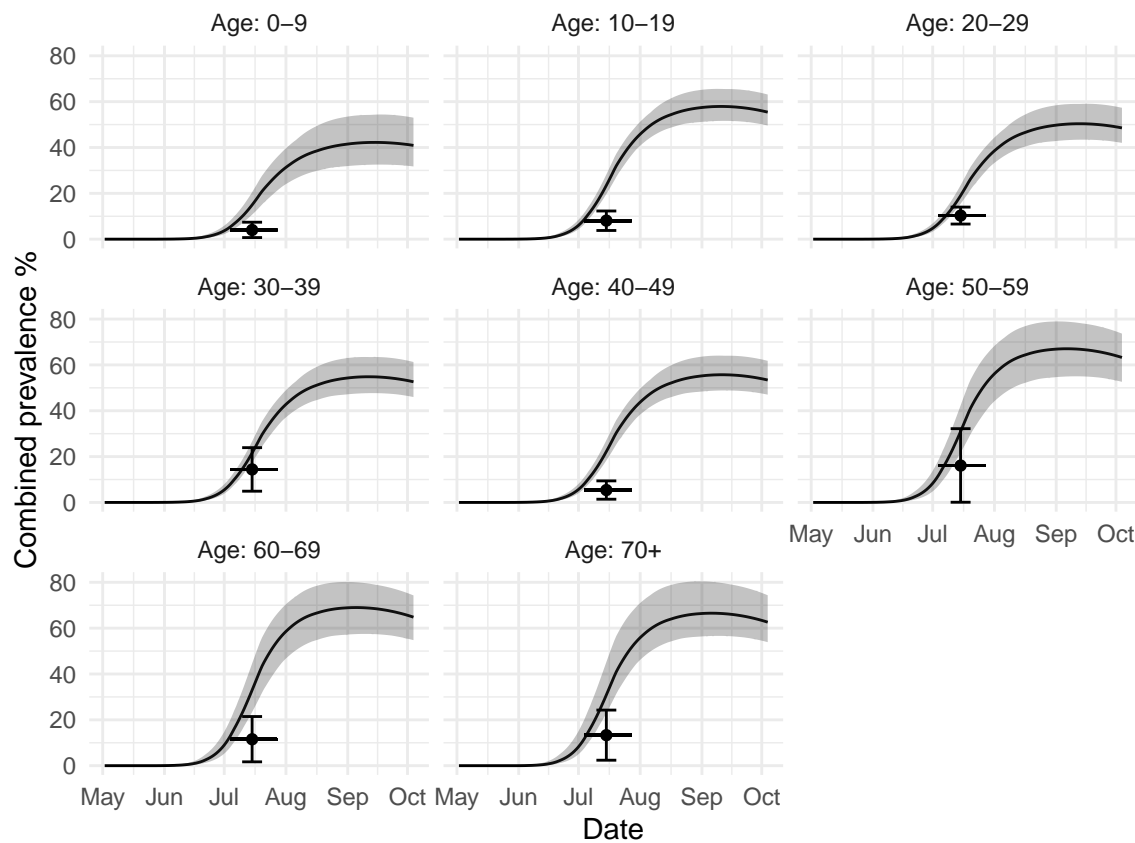


COVID-19 prevalence
Lusaka/Zambia

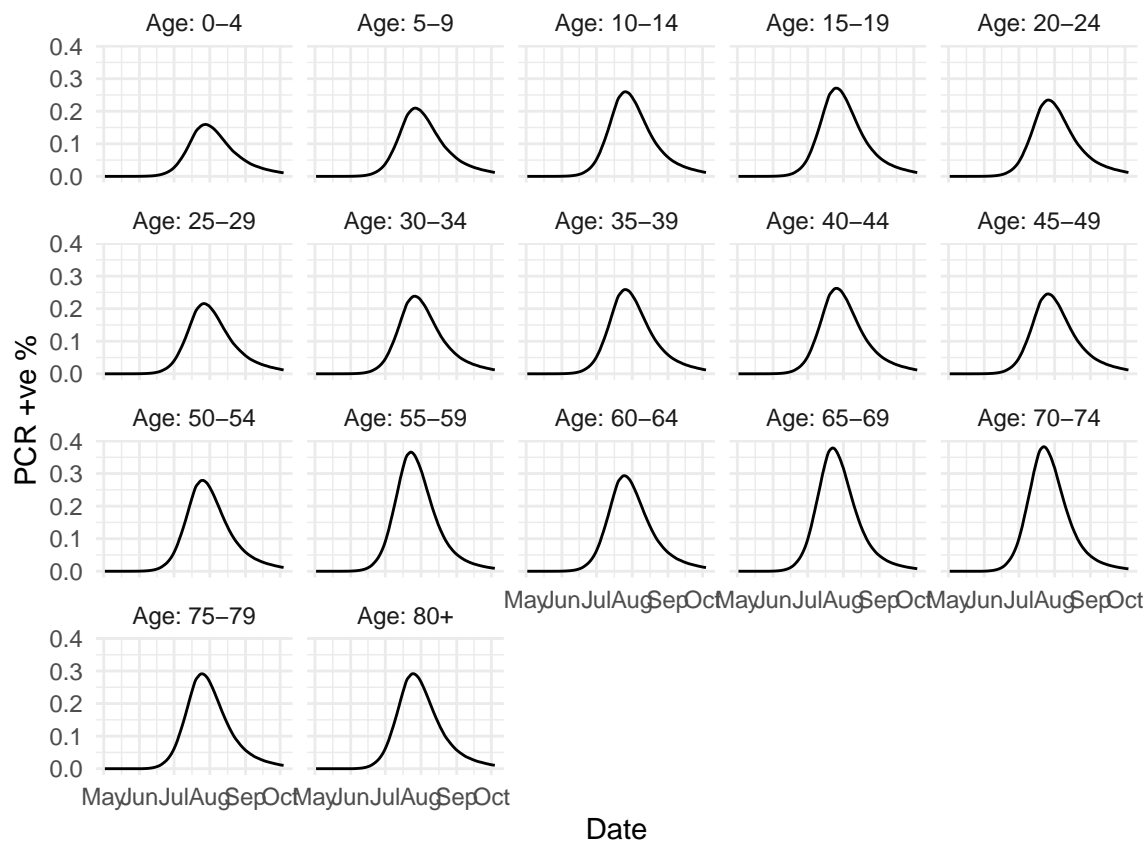


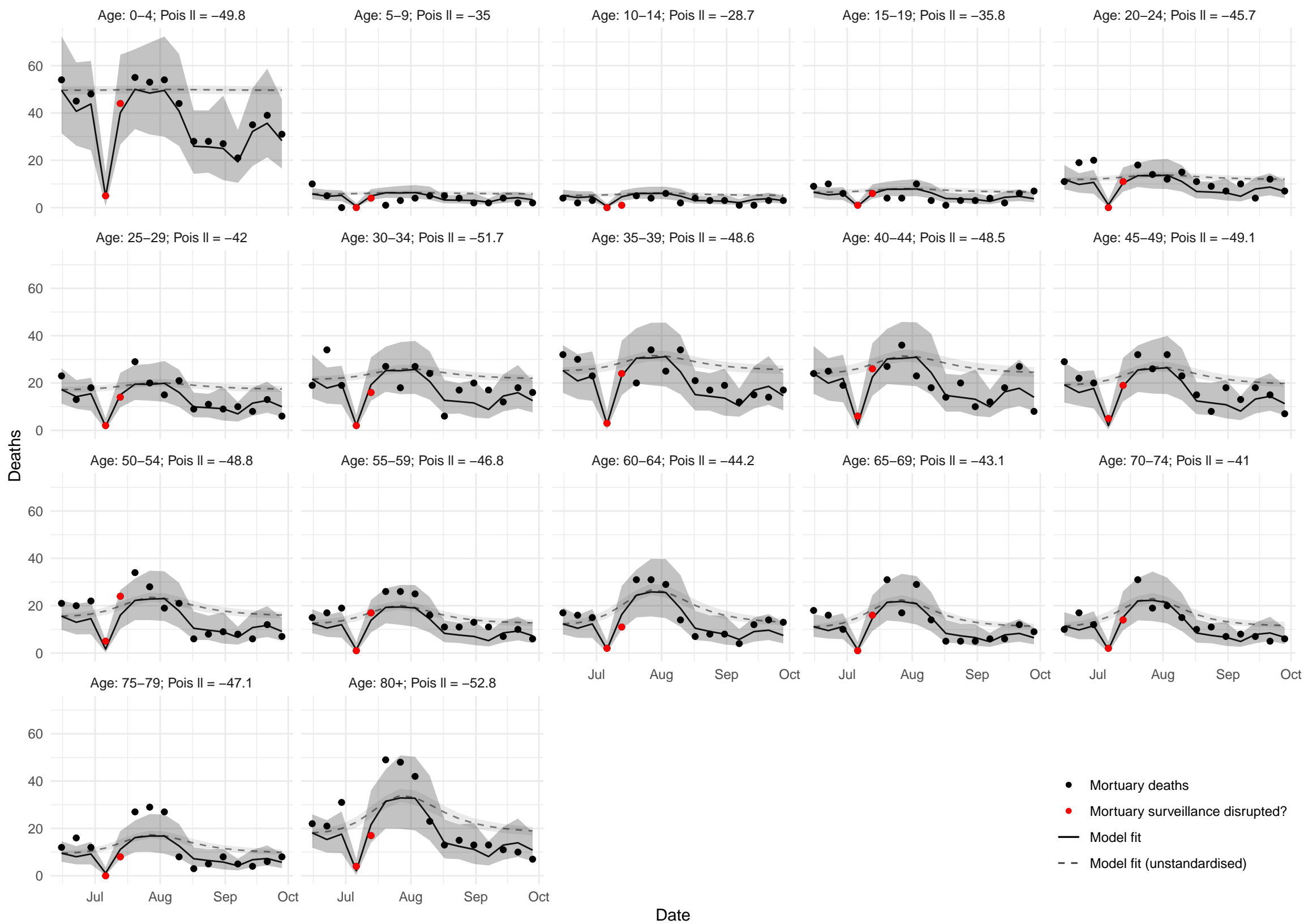
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.4, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

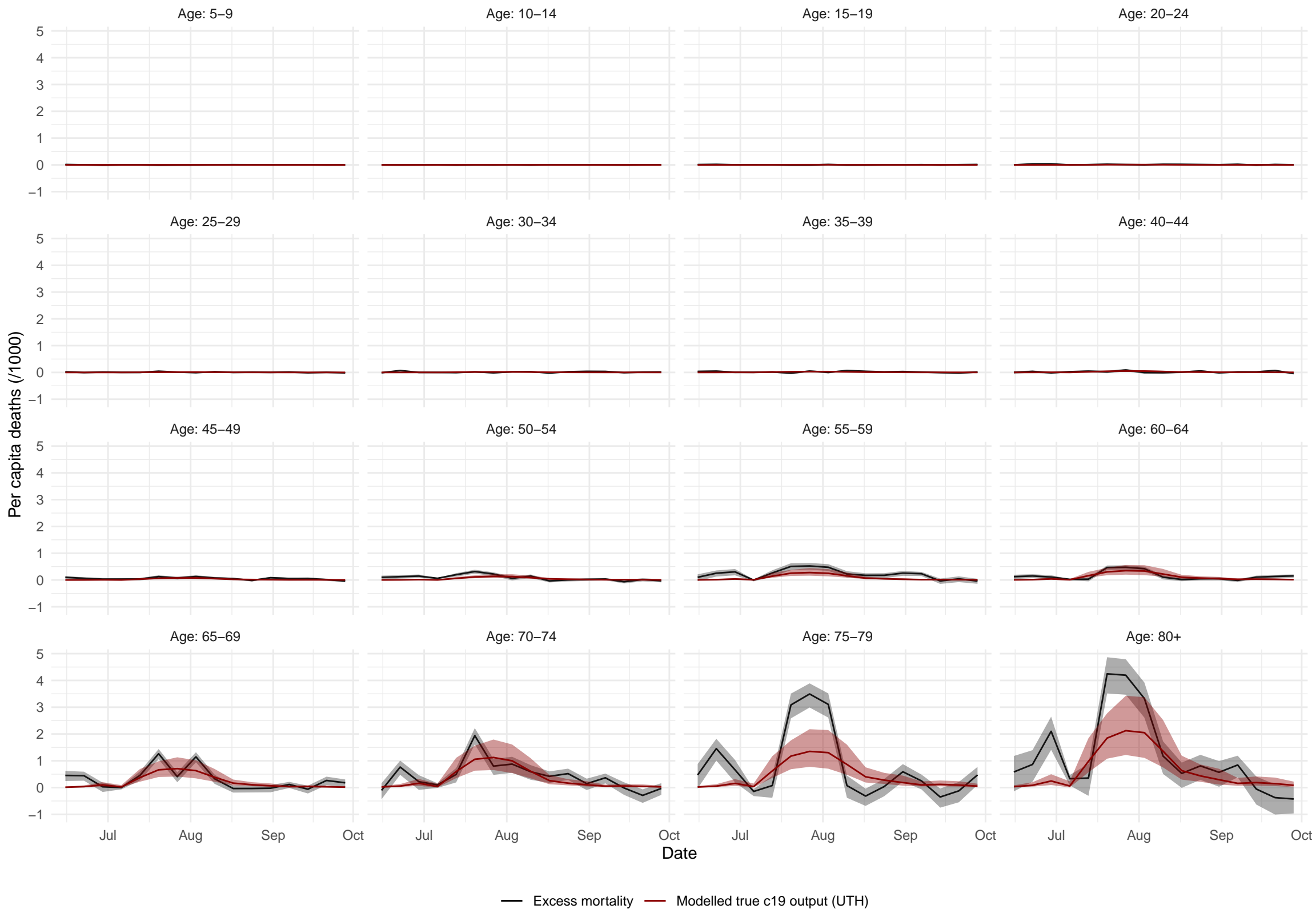


IFR x 0.4, Slope x 1
Modelled PCR % by age group (mid-week)

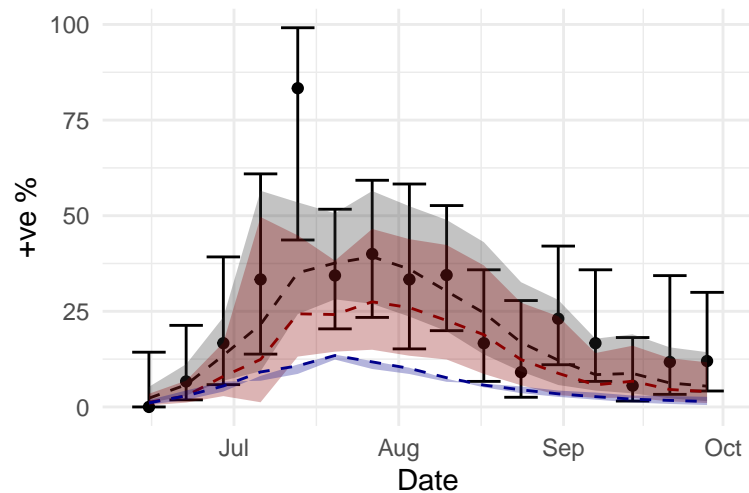




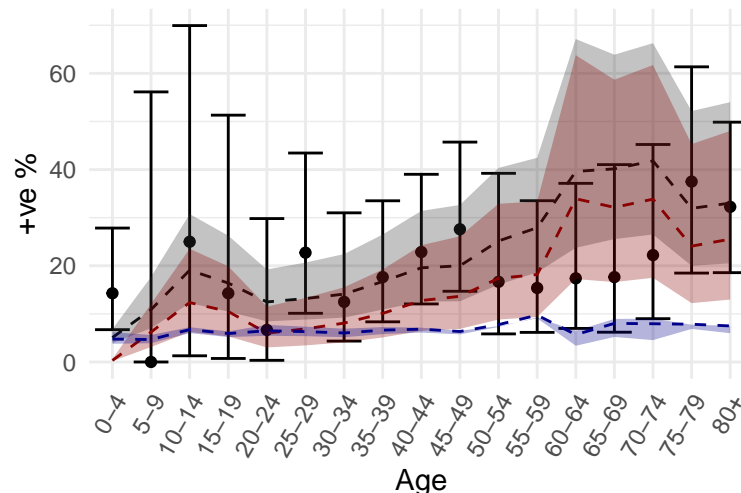
IFR x 0.4, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



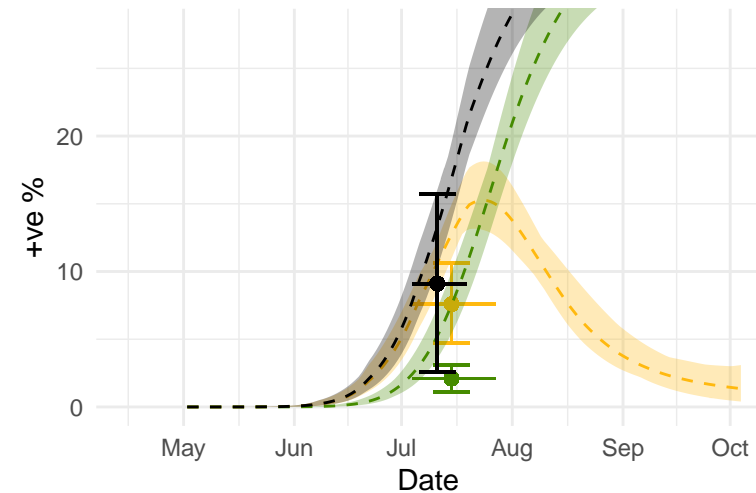
IFR x 0.6, Slope x 1
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
UTH mortuary



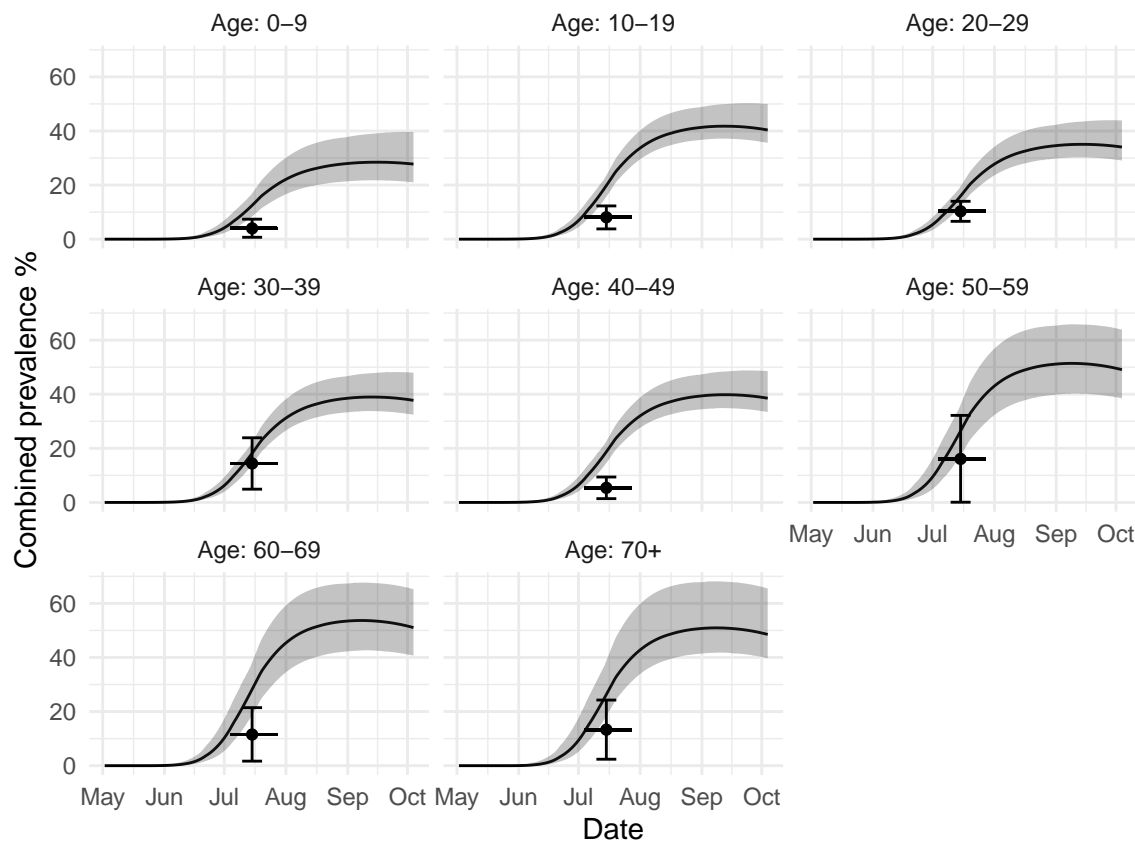
COVID-19 prevalence
Lusaka/Zambia



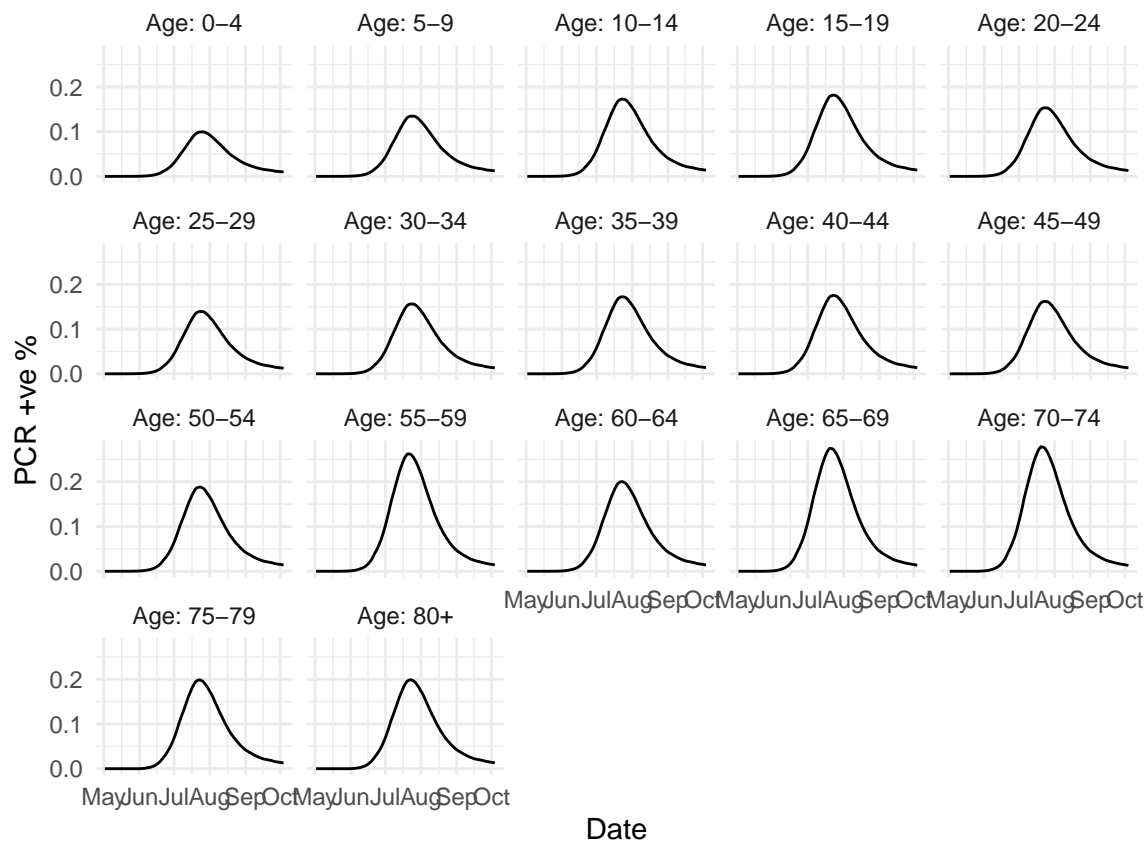
-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

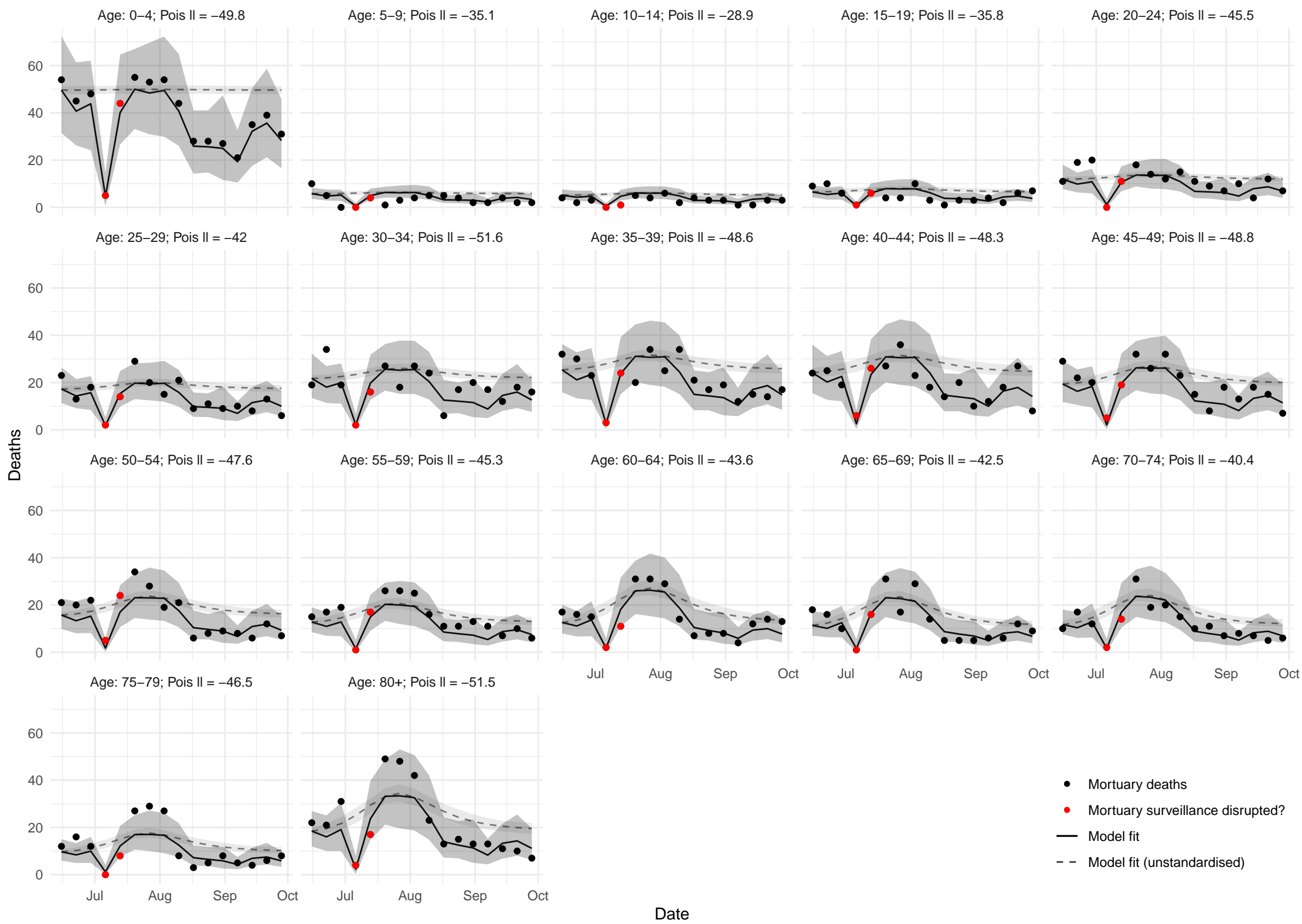
● Combined % (Lusaka)
— PCR % (Zambia)
— Sero % (Zambia)

IFR x 0.6, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

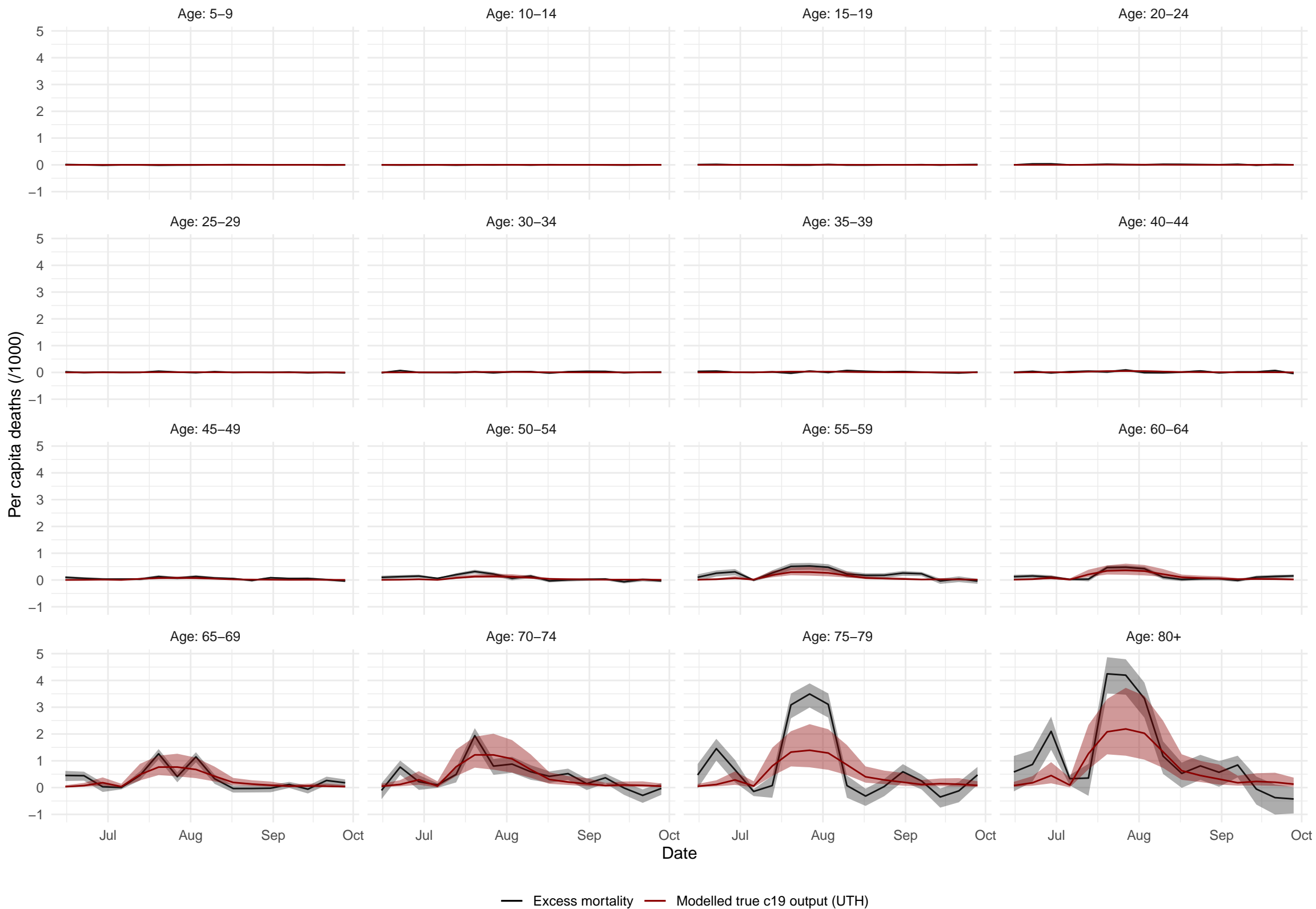


IFR x 0.6, Slope x 1
Modelled PCR % by age group (mid-week)

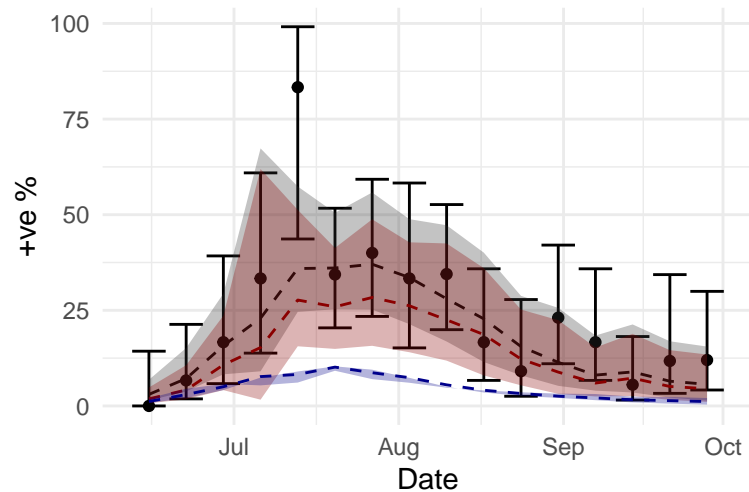




IFR x 0.6, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results

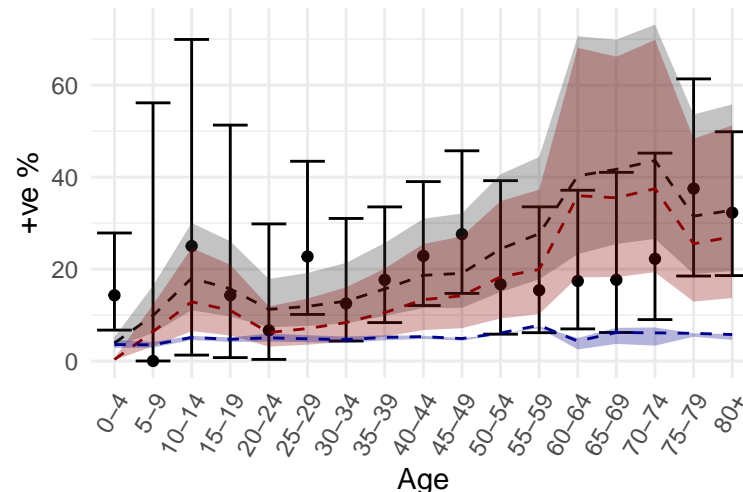


IFR x 0.8, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

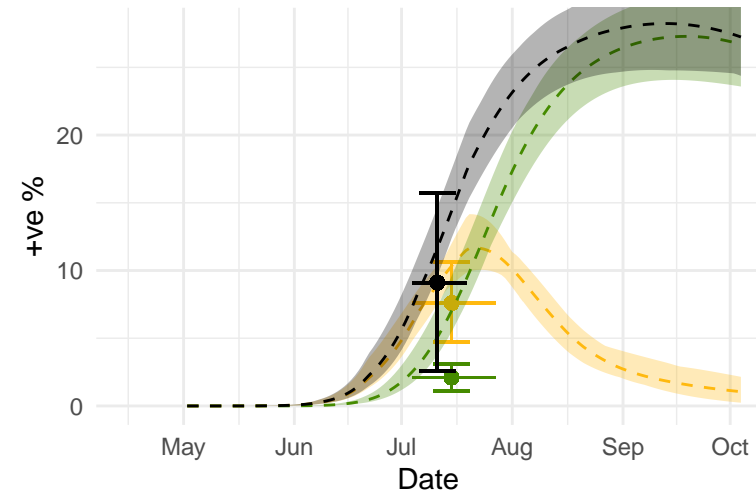


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

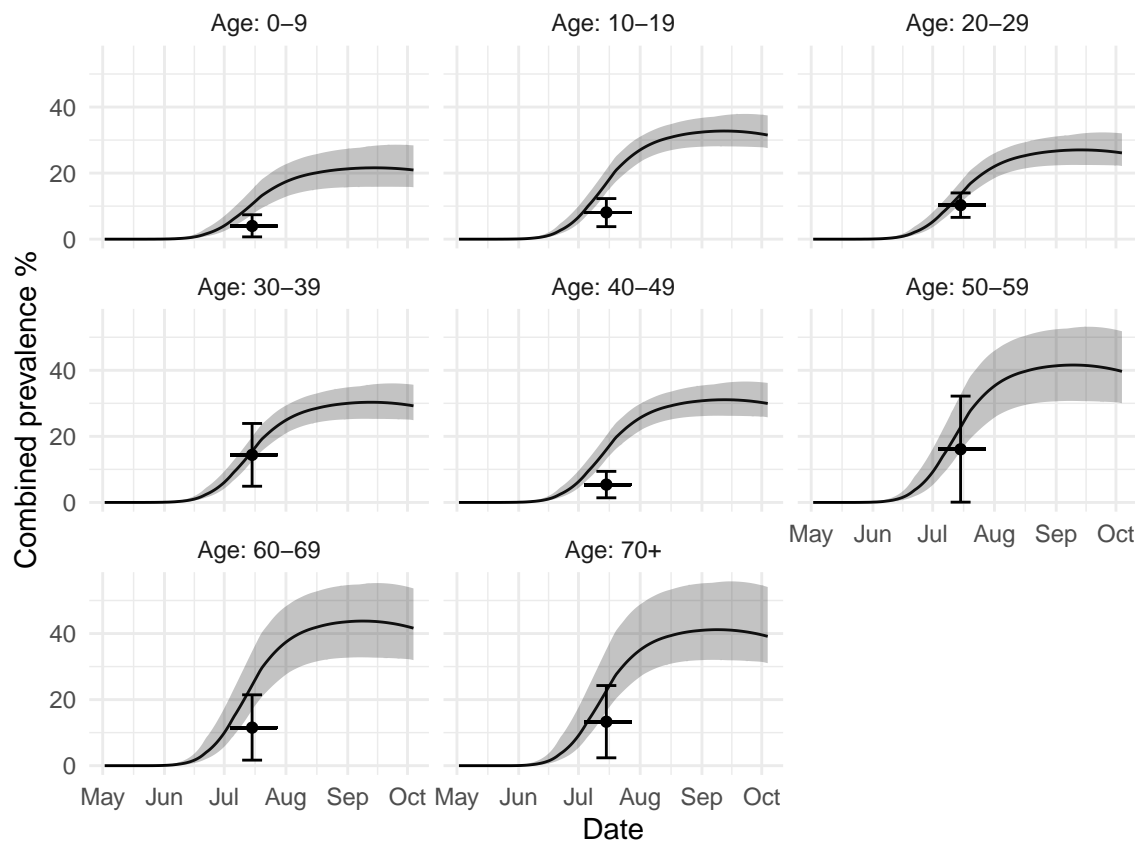


COVID-19 prevalence
Lusaka/Zambia

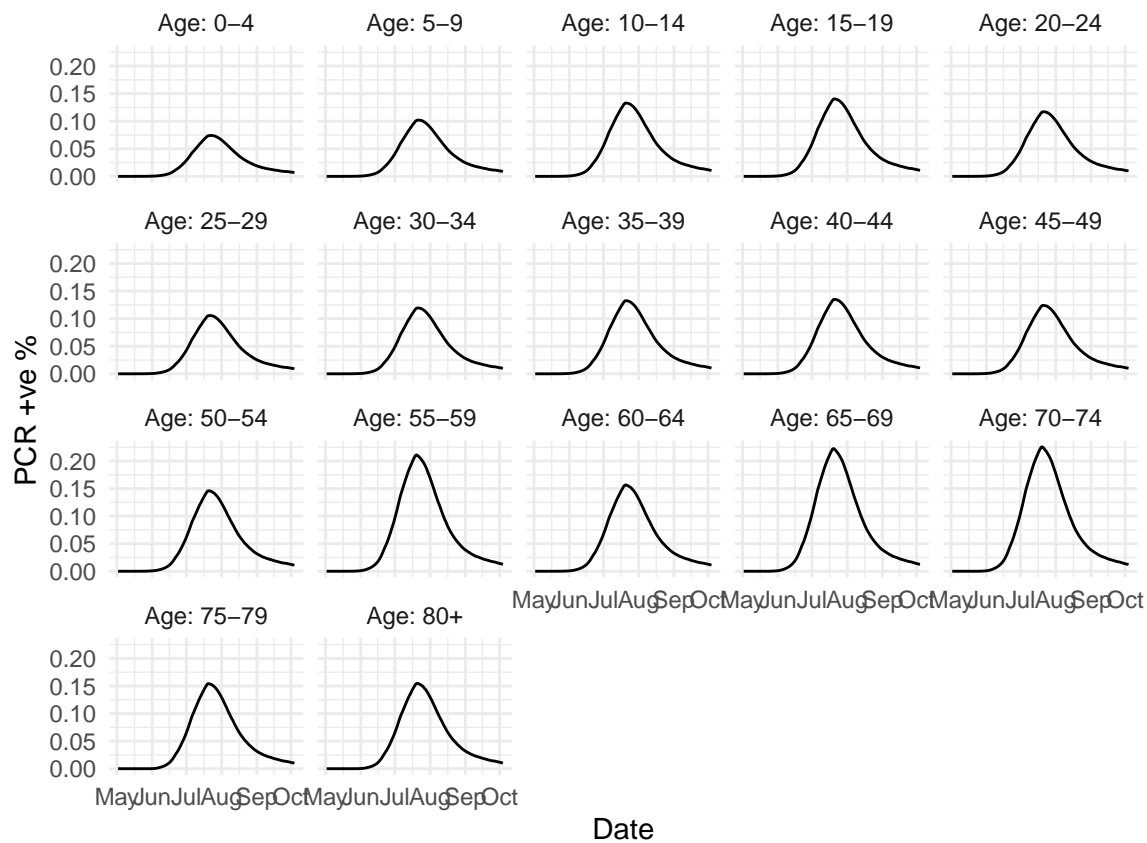


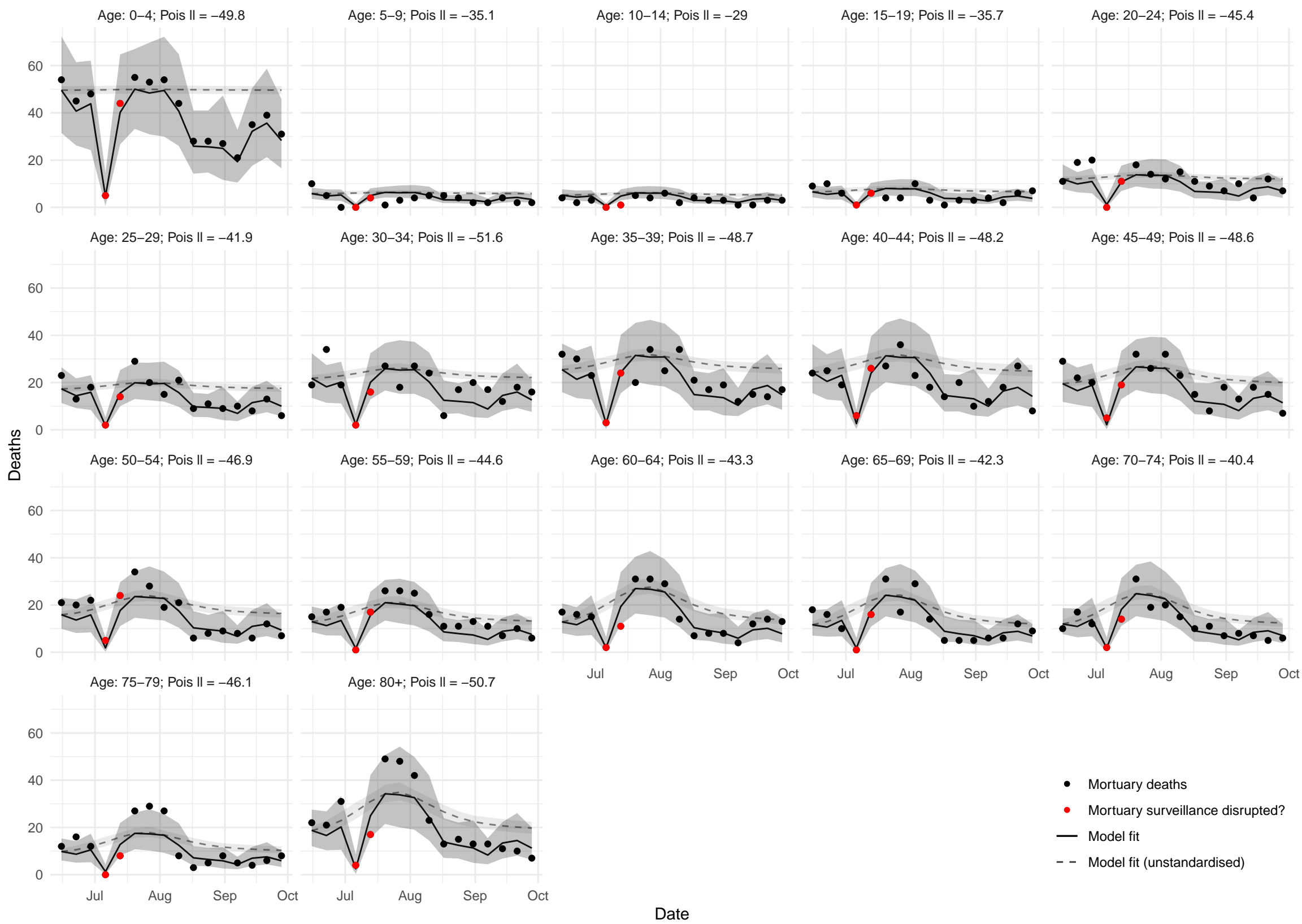
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.8, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

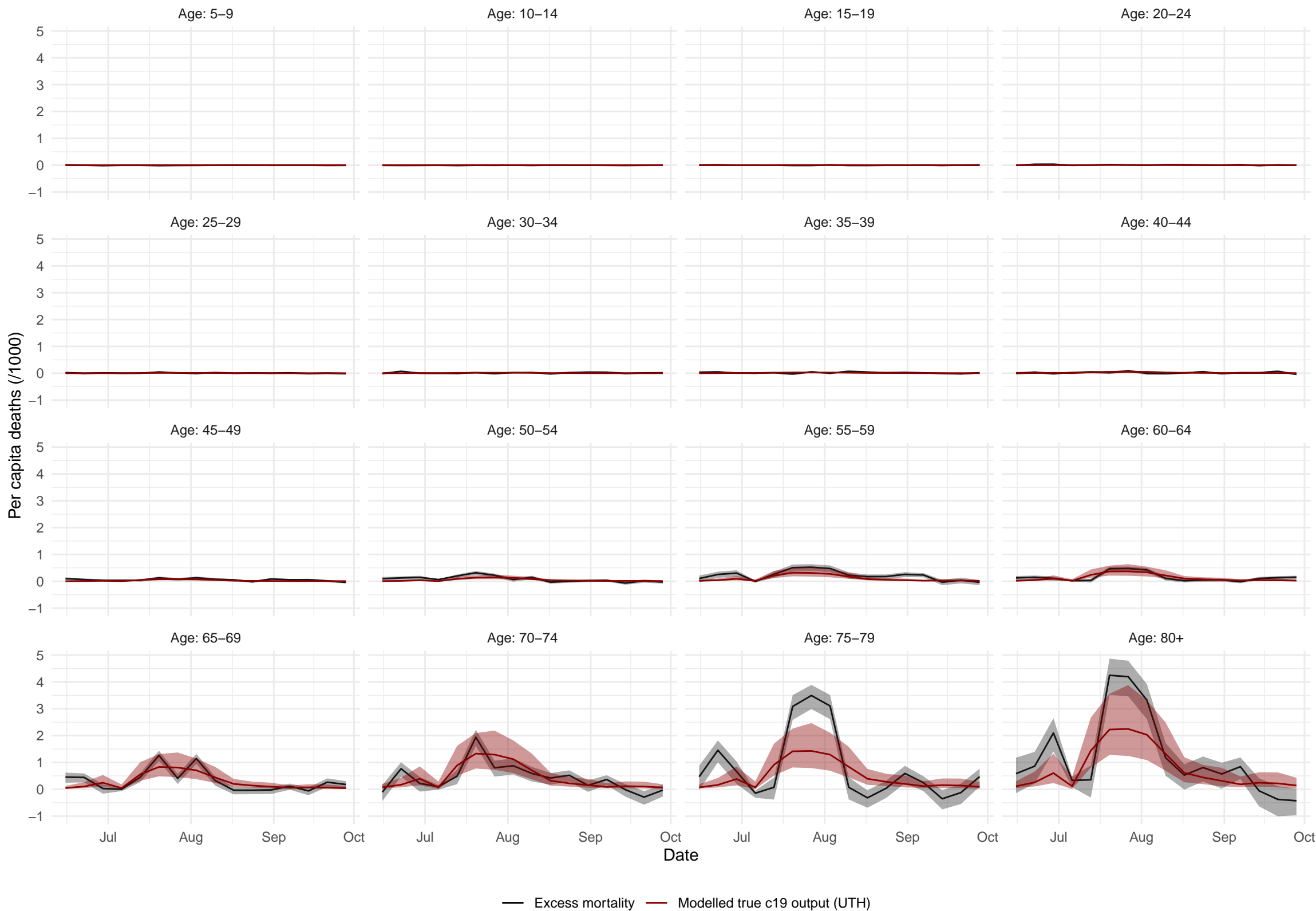


IFR x 0.8, Slope x 1
Modelled PCR % by age group (mid-week)

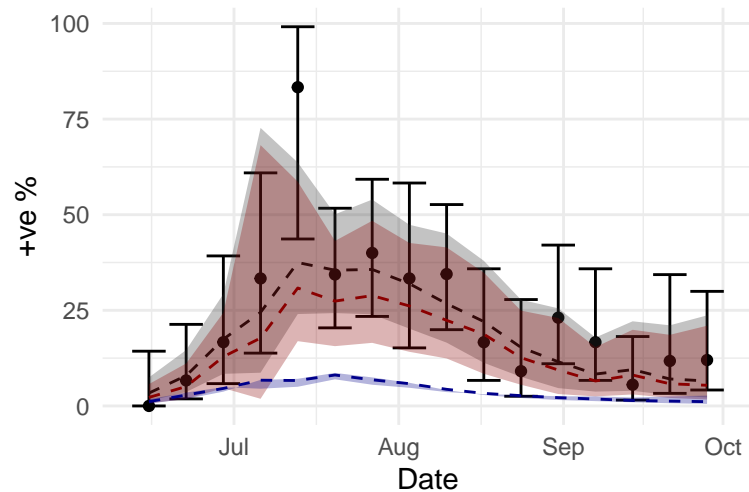




IFR x 0.8, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results

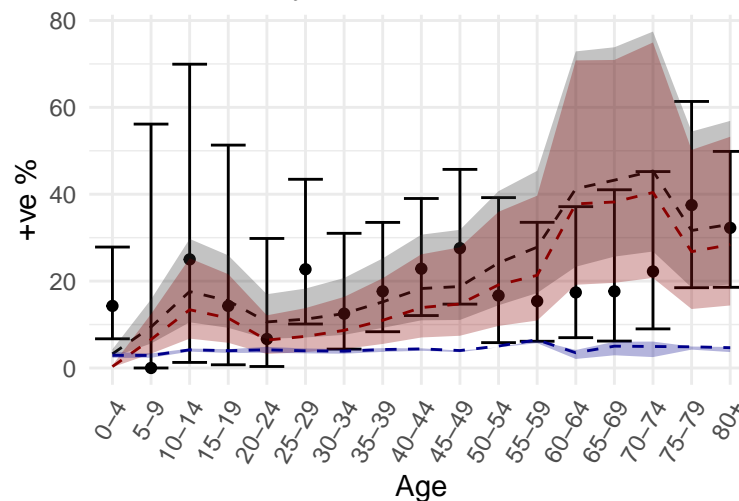


IFR x 1, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

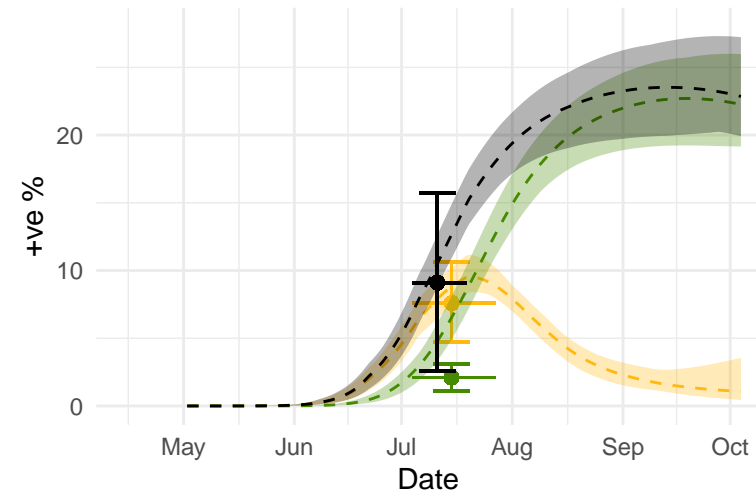


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

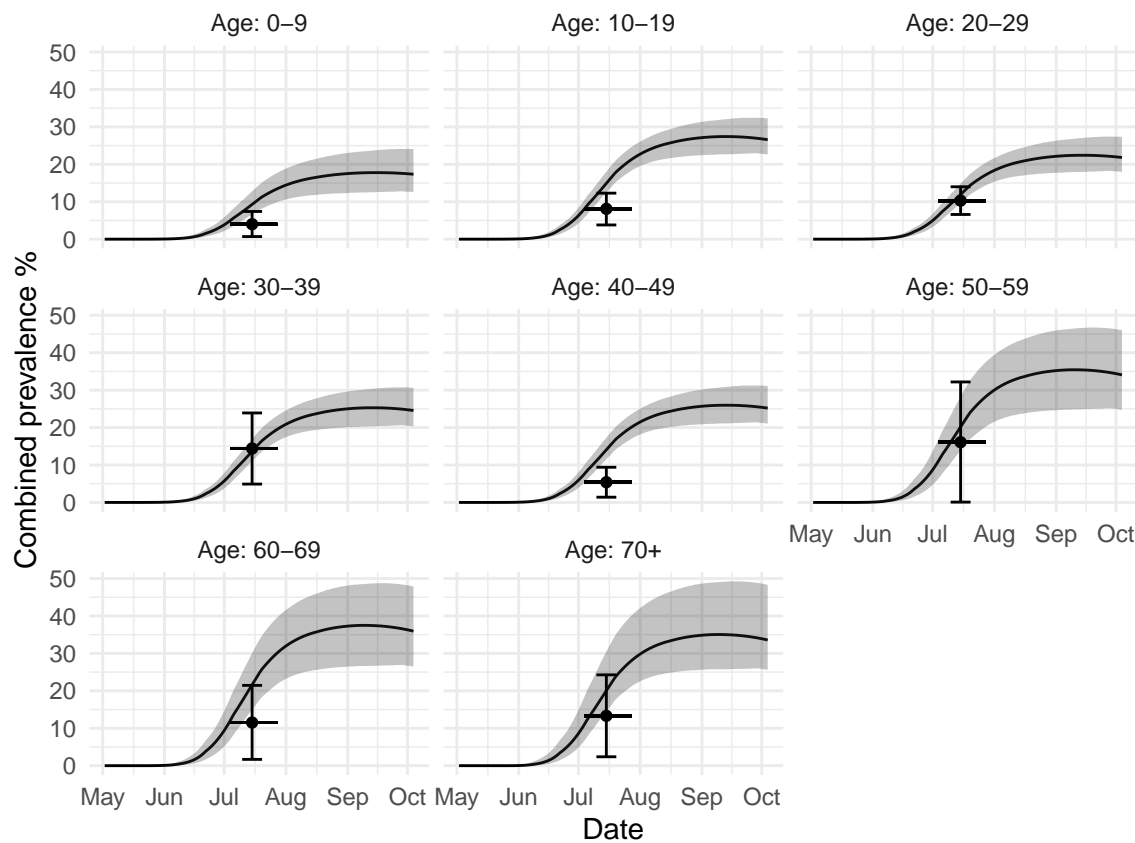


COVID-19 prevalence
Lusaka/Zambia

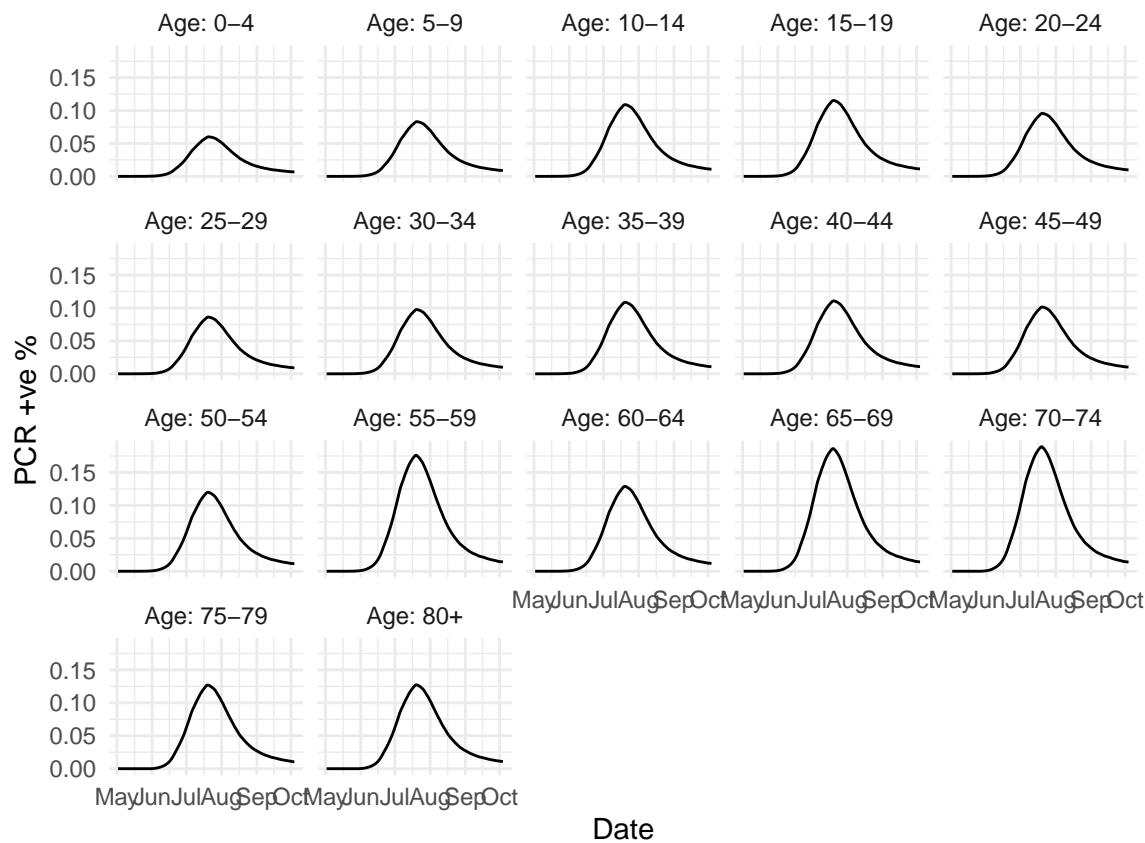


● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

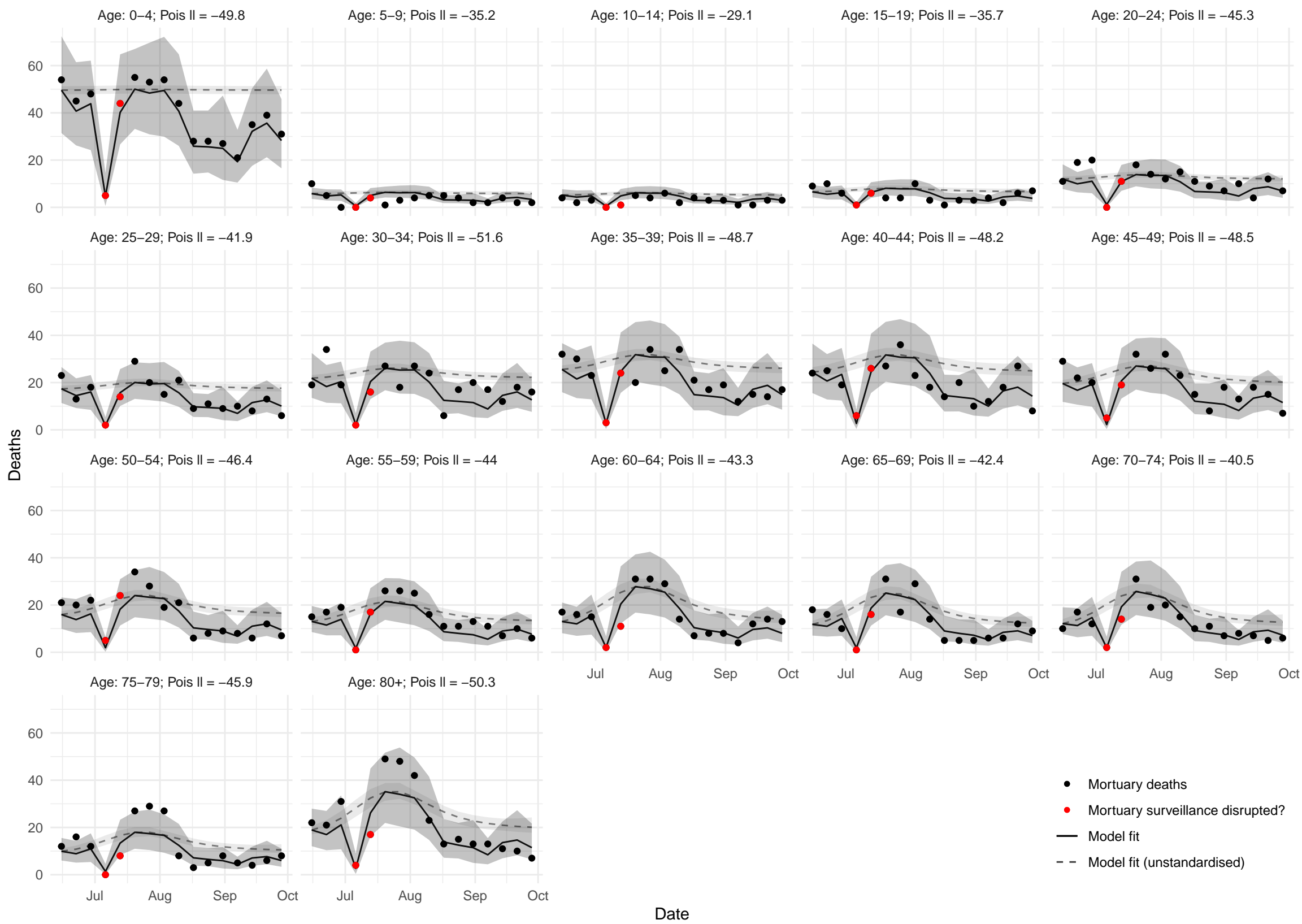
IFR x 1, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka



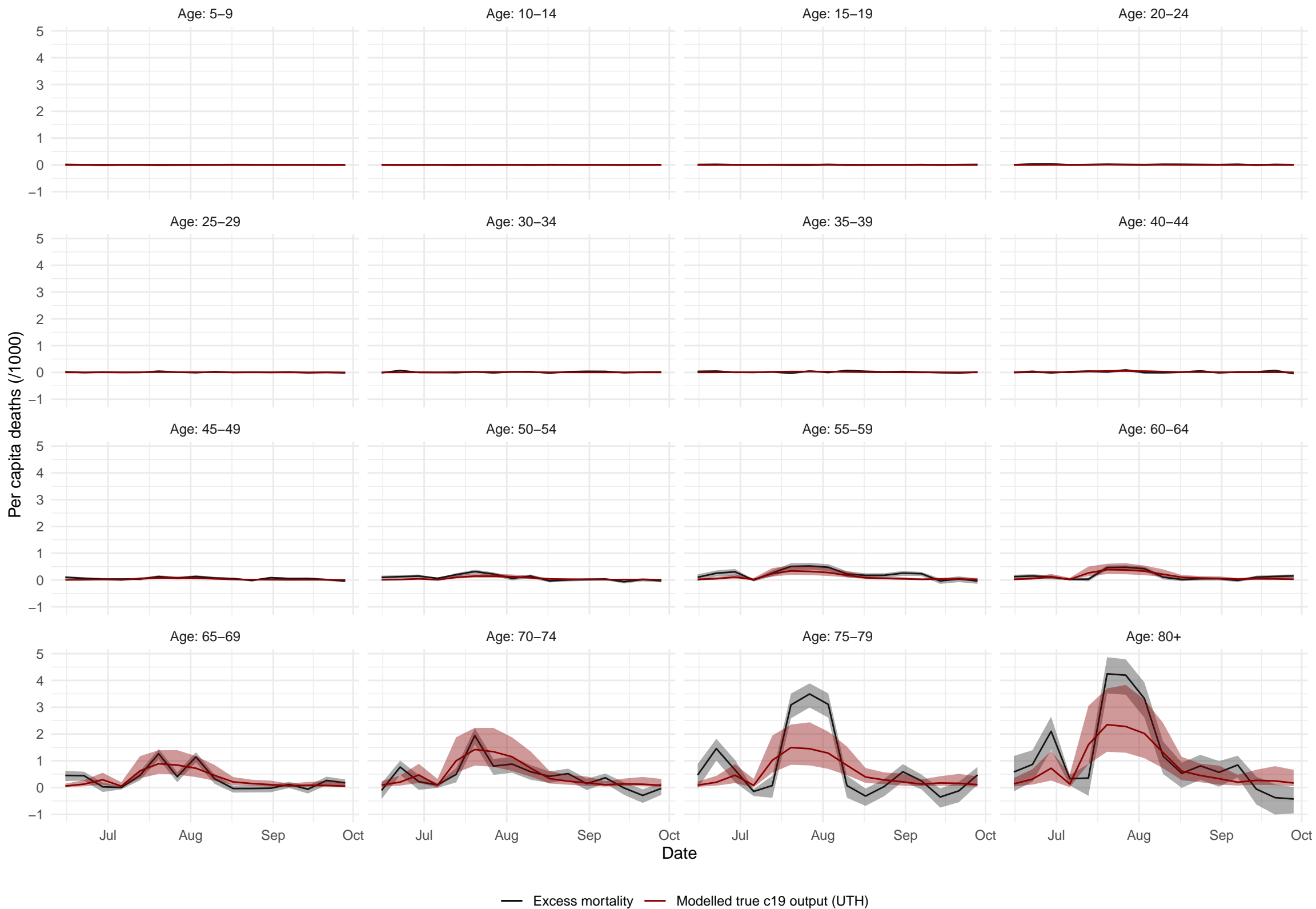
IFR x 1, Slope x 1
Modelled PCR % by age group (mid-week)



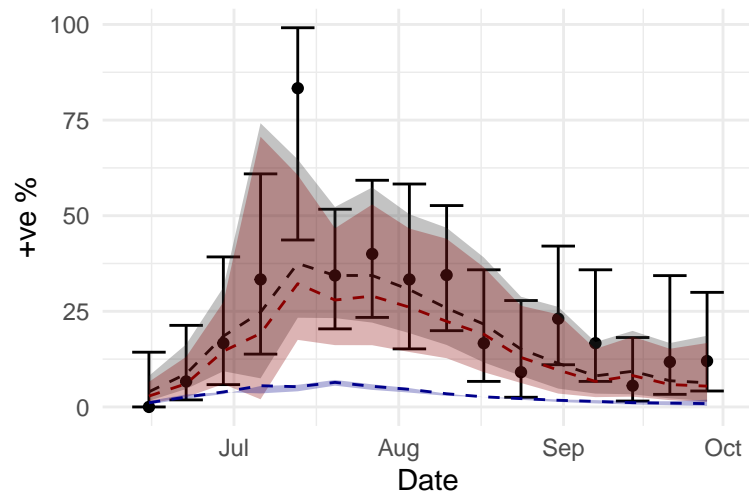
IFR x 1, Slope x 1
COVID-19 weekly deaths (Mortuary)



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

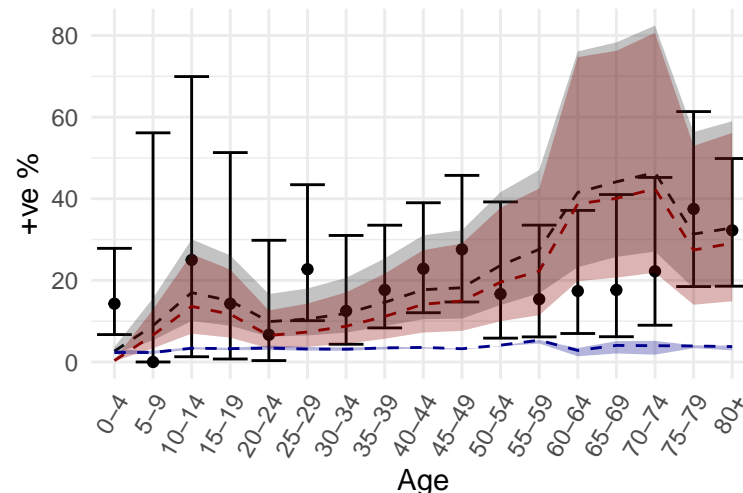


IFR x 1.25, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

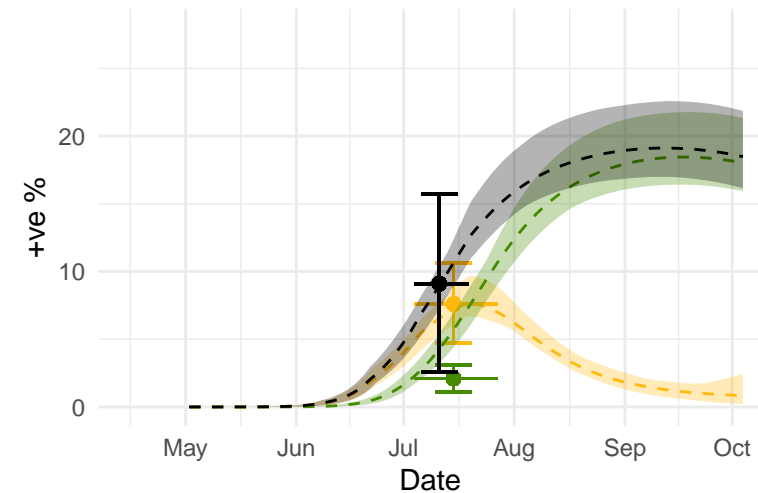


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

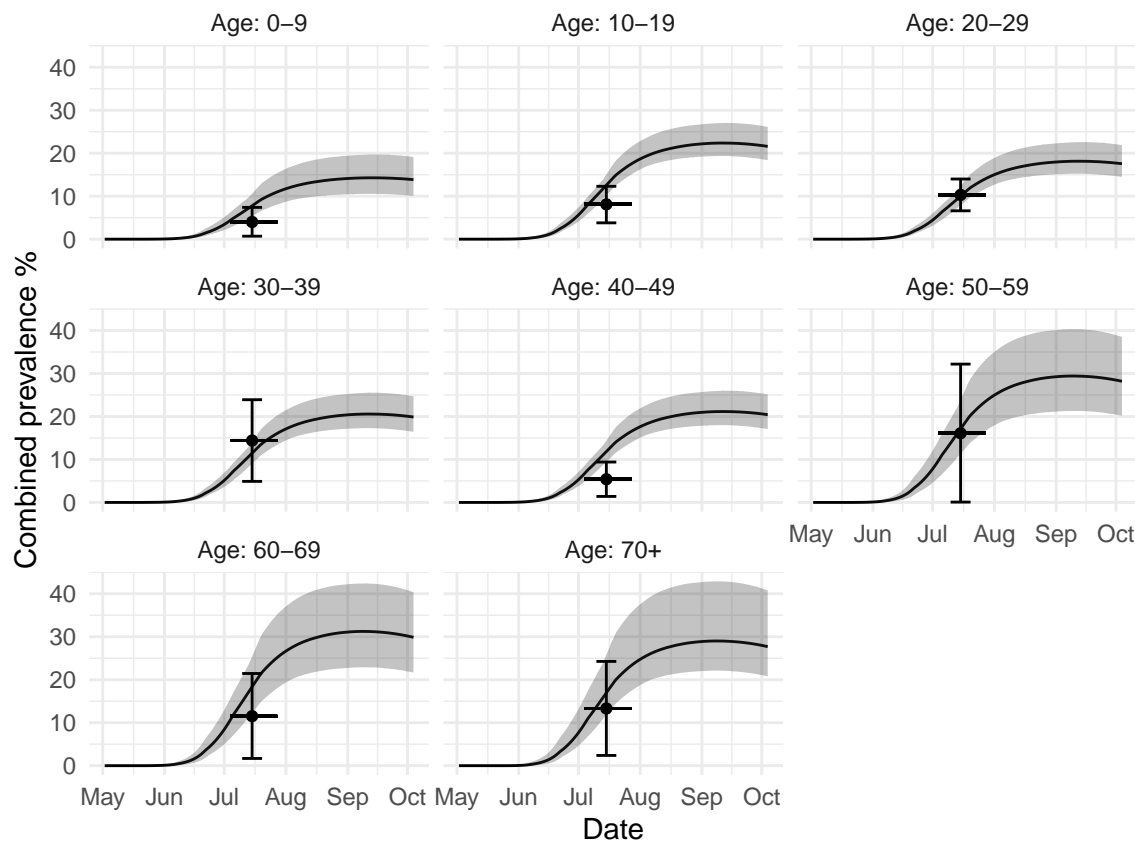


COVID-19 prevalence
Lusaka/Zambia

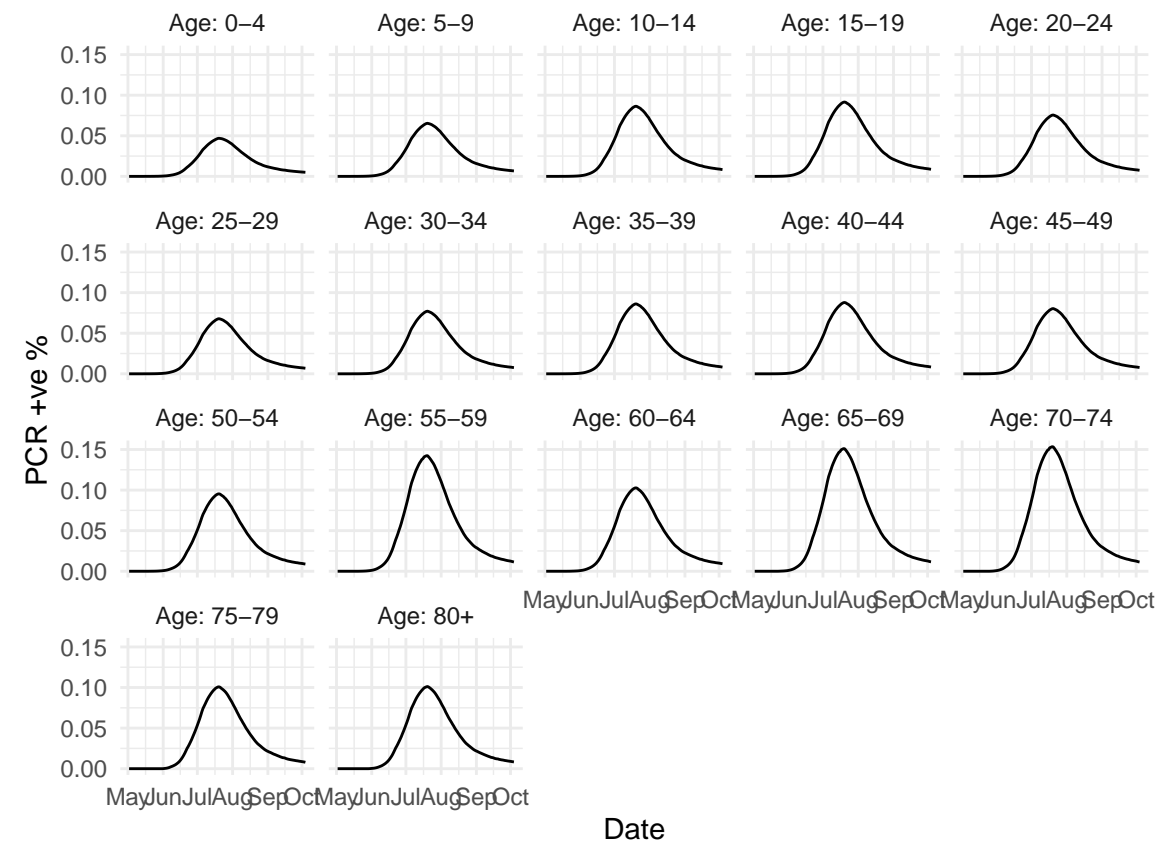


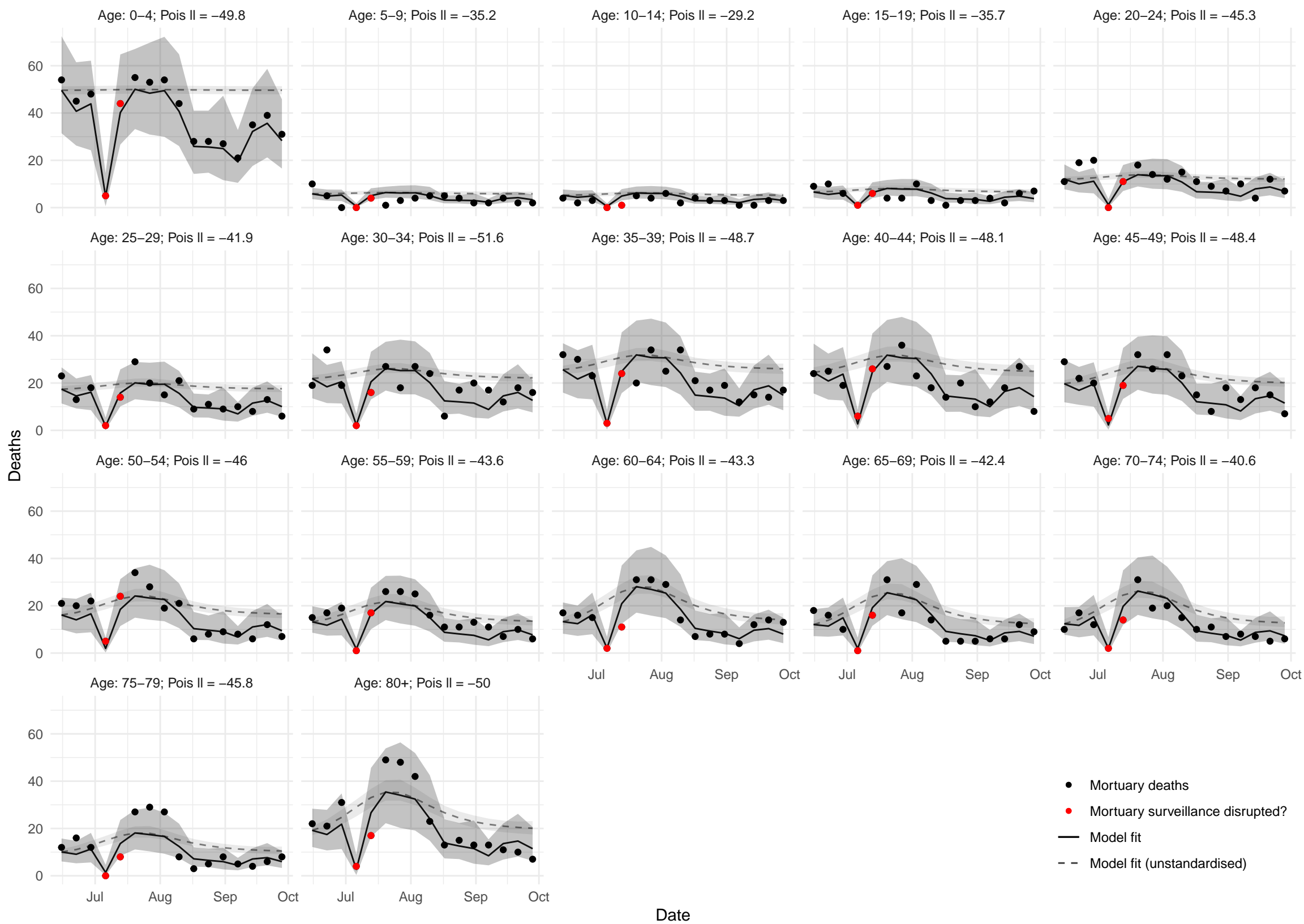
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 1.25, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

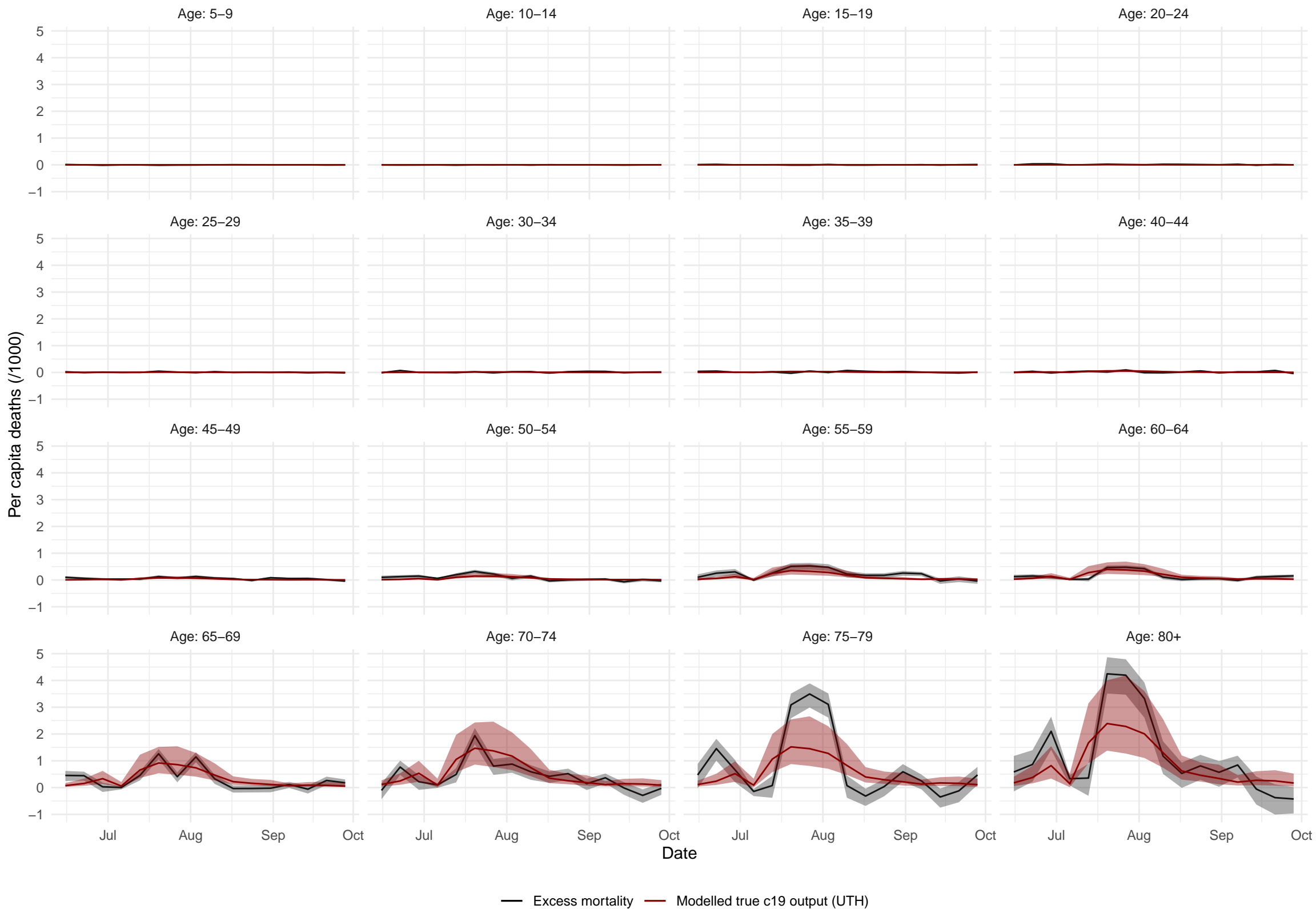


IFR x 1.25, Slope x 1
Modelled PCR % by age group (mid-week)

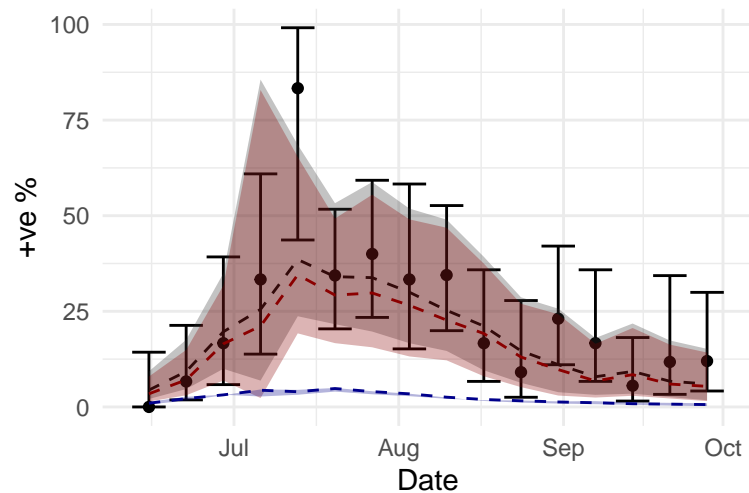




IFR x 1.25, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results

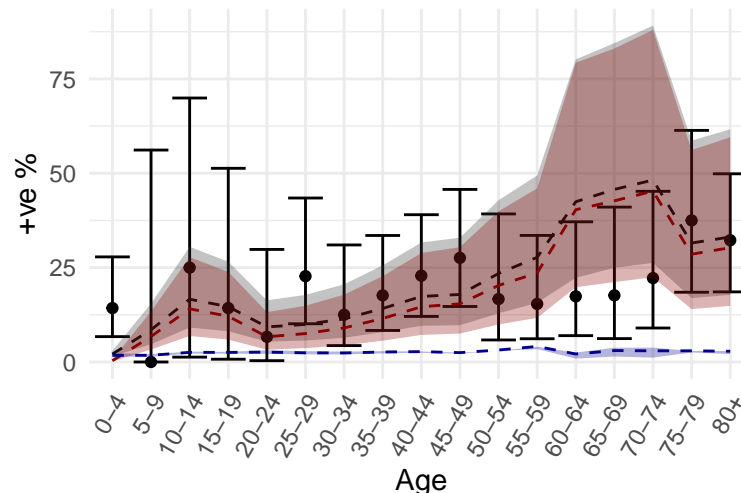


IFR x 1.67, Slope x 1
COVID-19 weekly prevalence
UTH mortuary

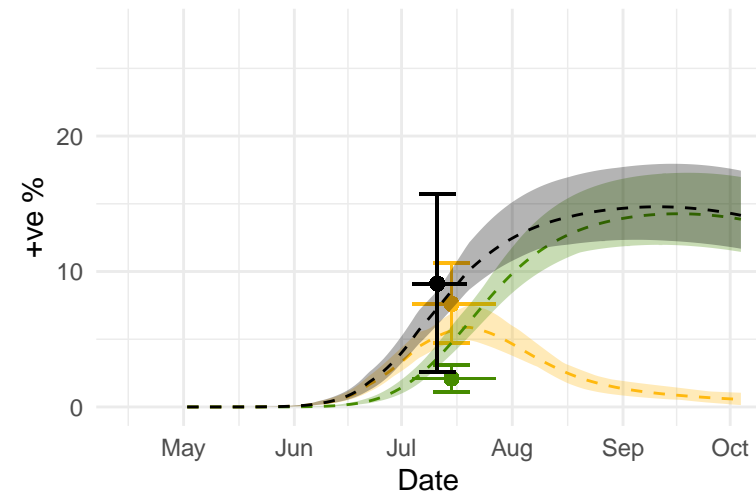


-- Total +ve deaths
-.- Causal deaths
- - - Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

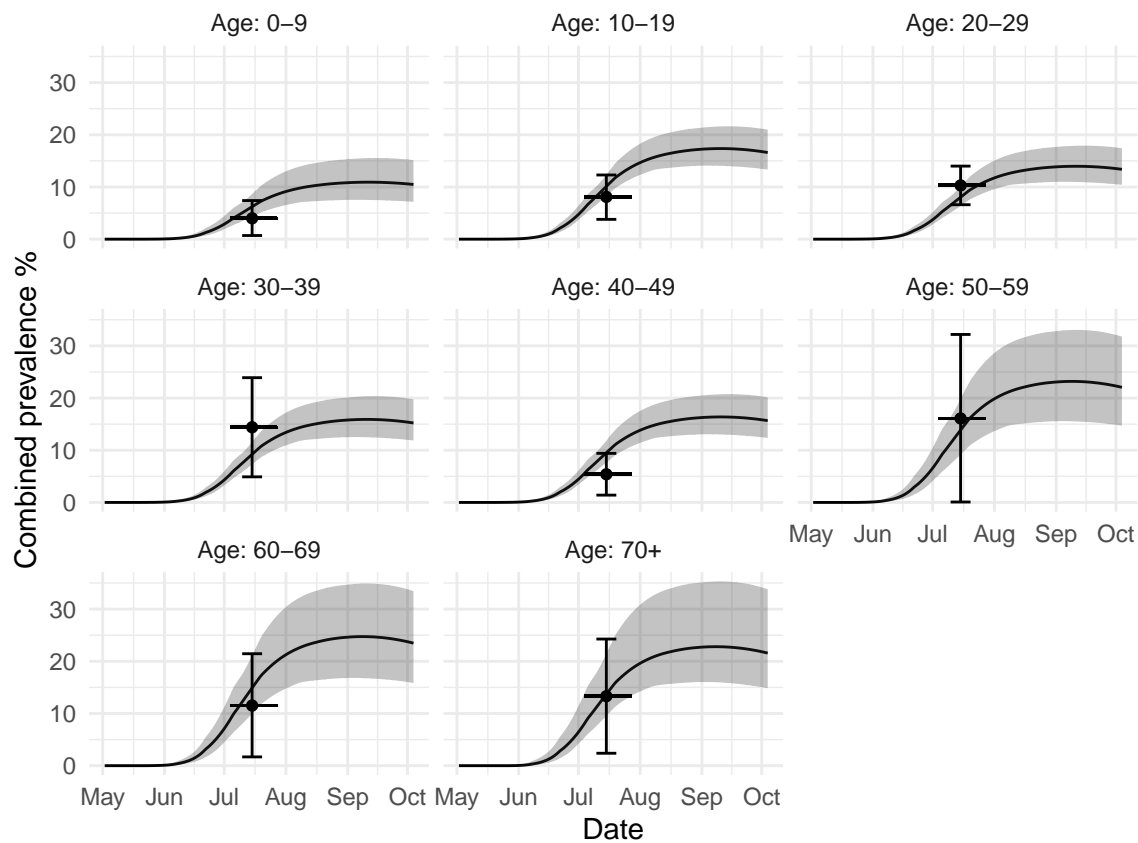


COVID-19 prevalence
Lusaka/Zambia

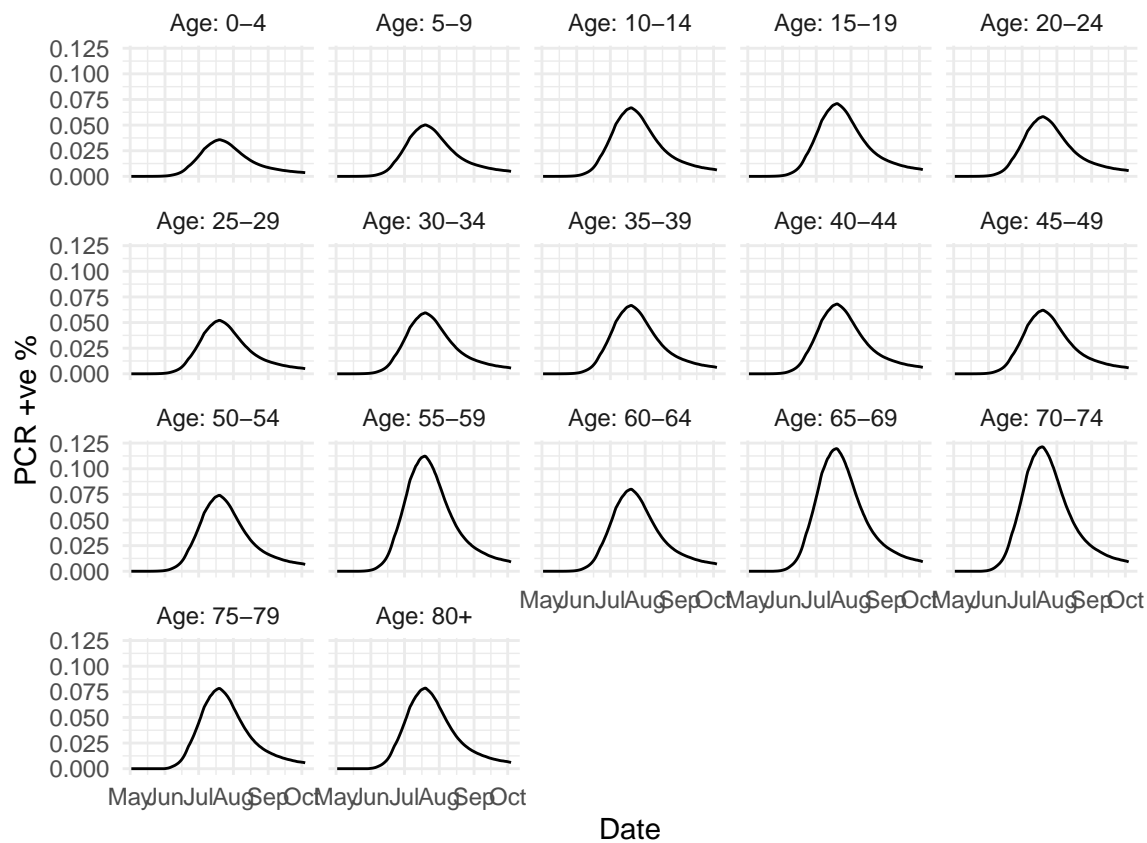


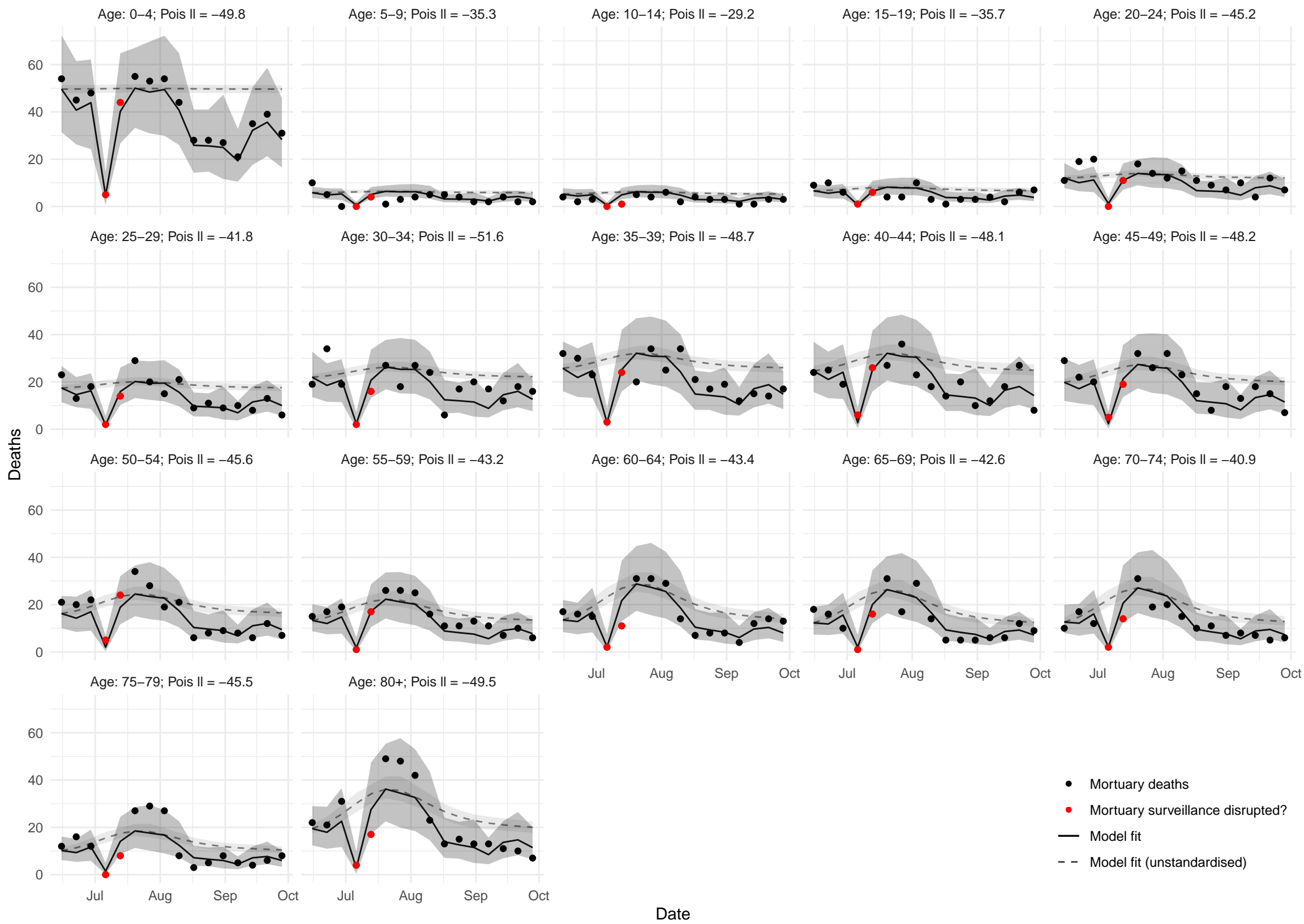
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 1.67, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

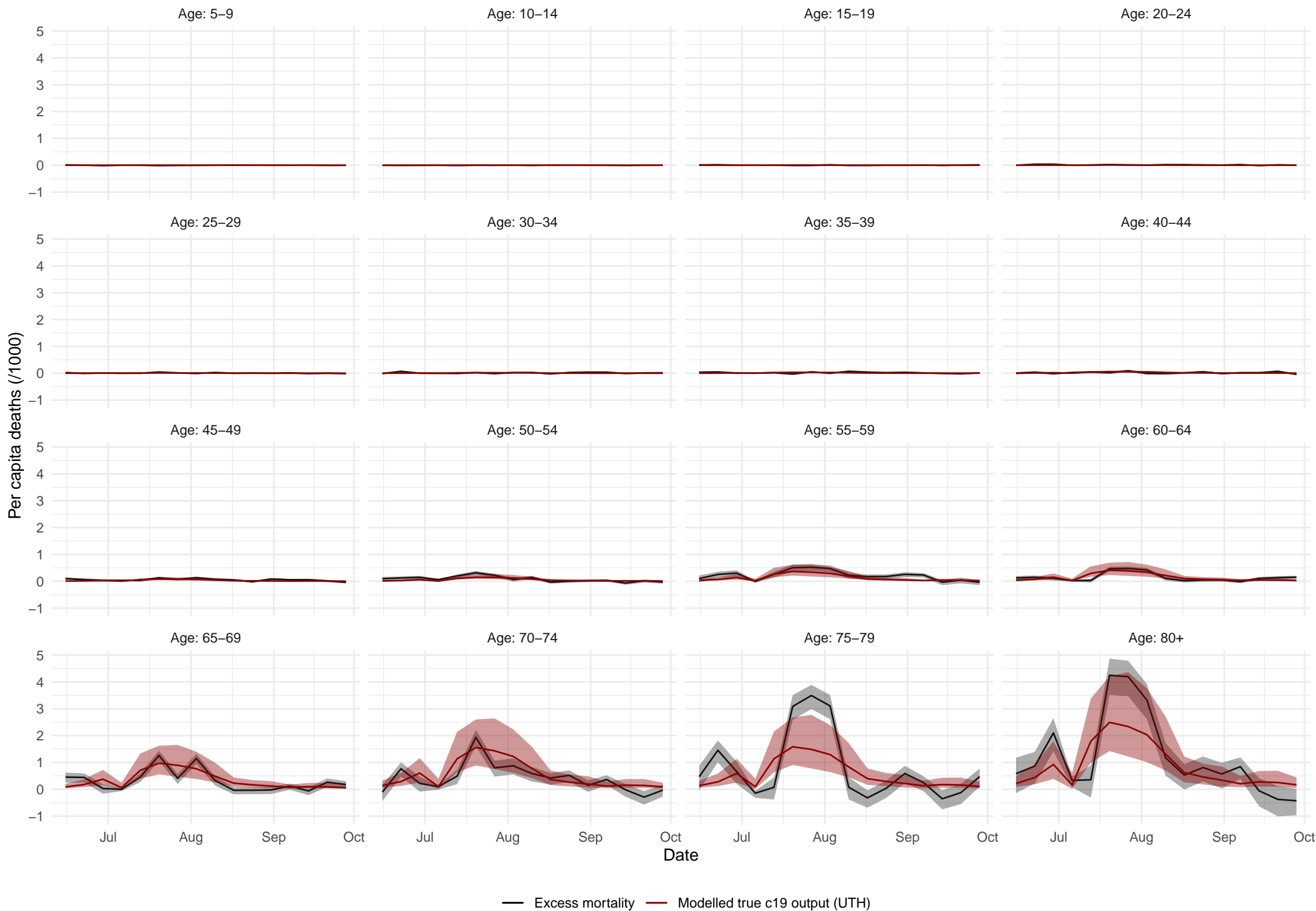


IFR x 1.67, Slope x 1
Modelled PCR % by age group (mid-week)

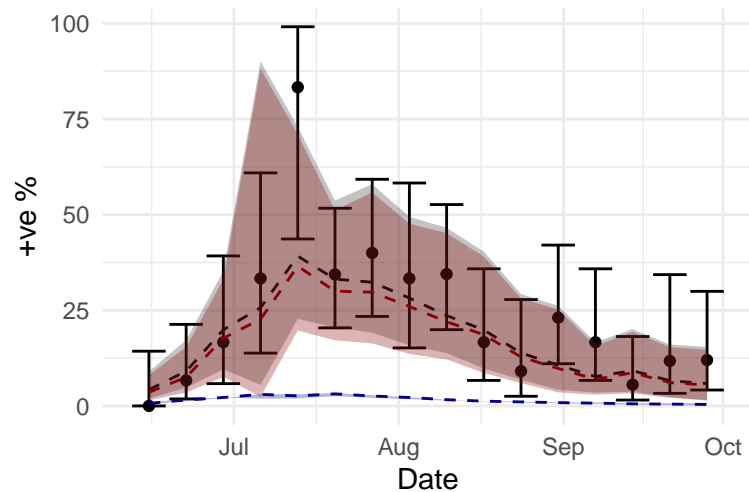




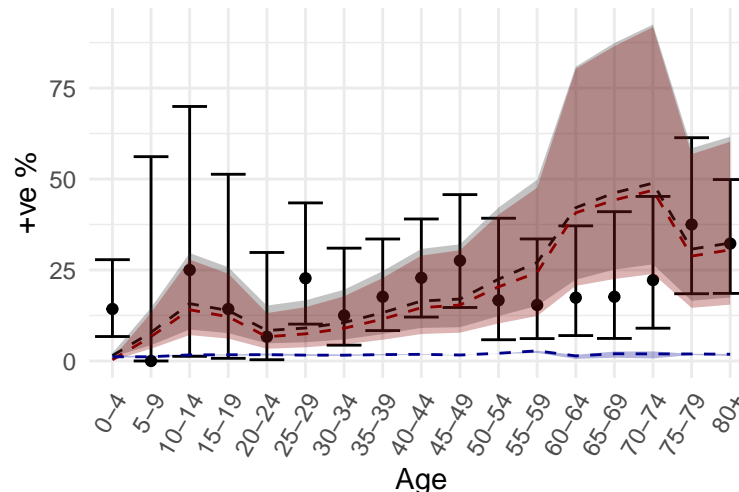
IFR x 1.67, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results



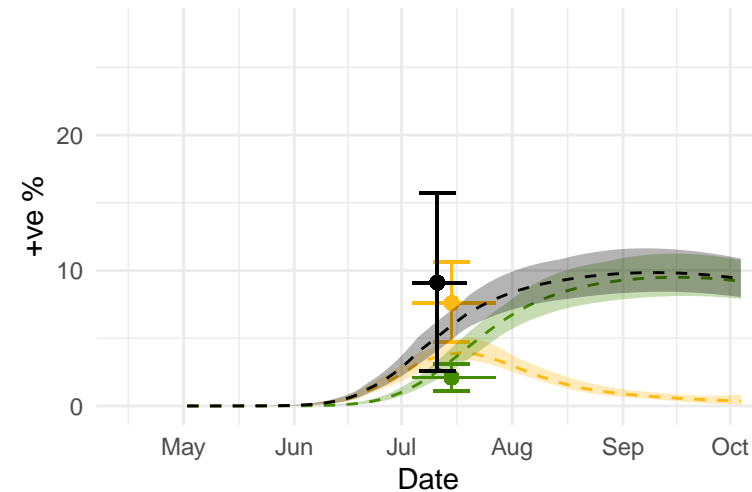
IFR x 2.5, Slope x 1
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
UTH mortuary



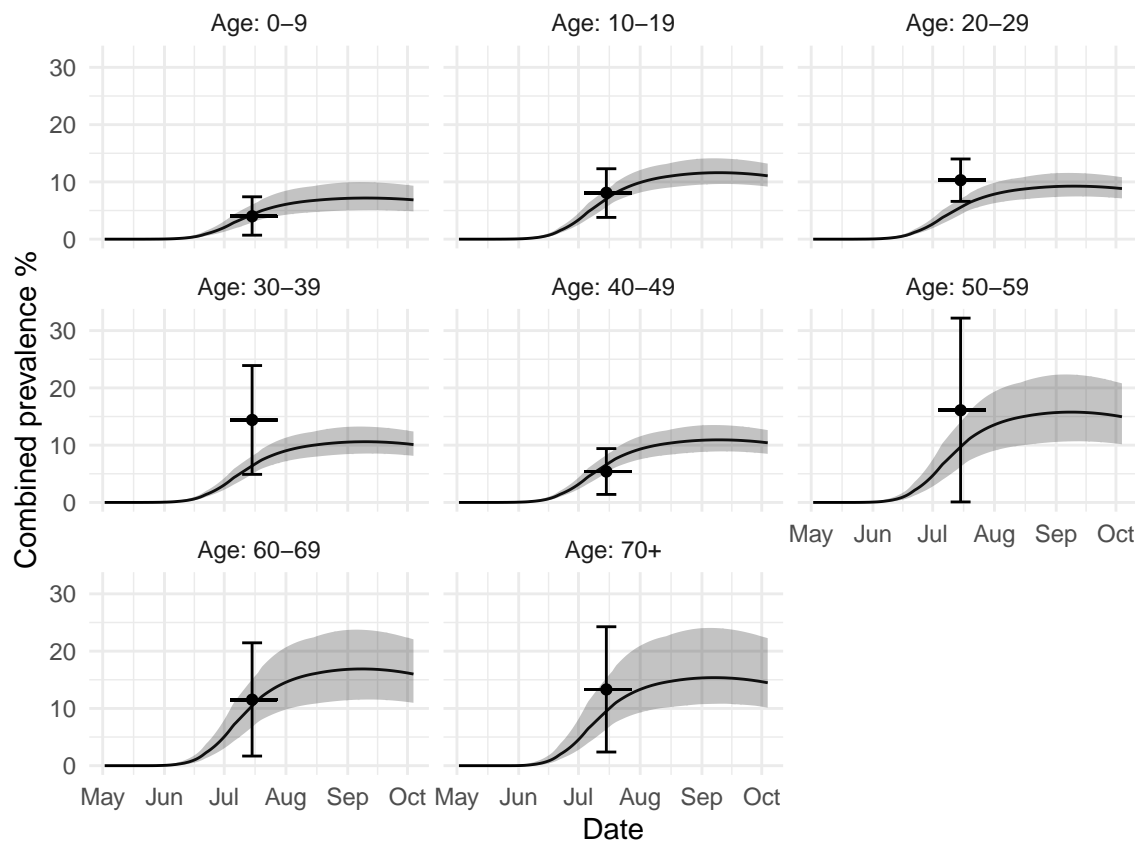
COVID-19 prevalence
Lusaka/Zambia



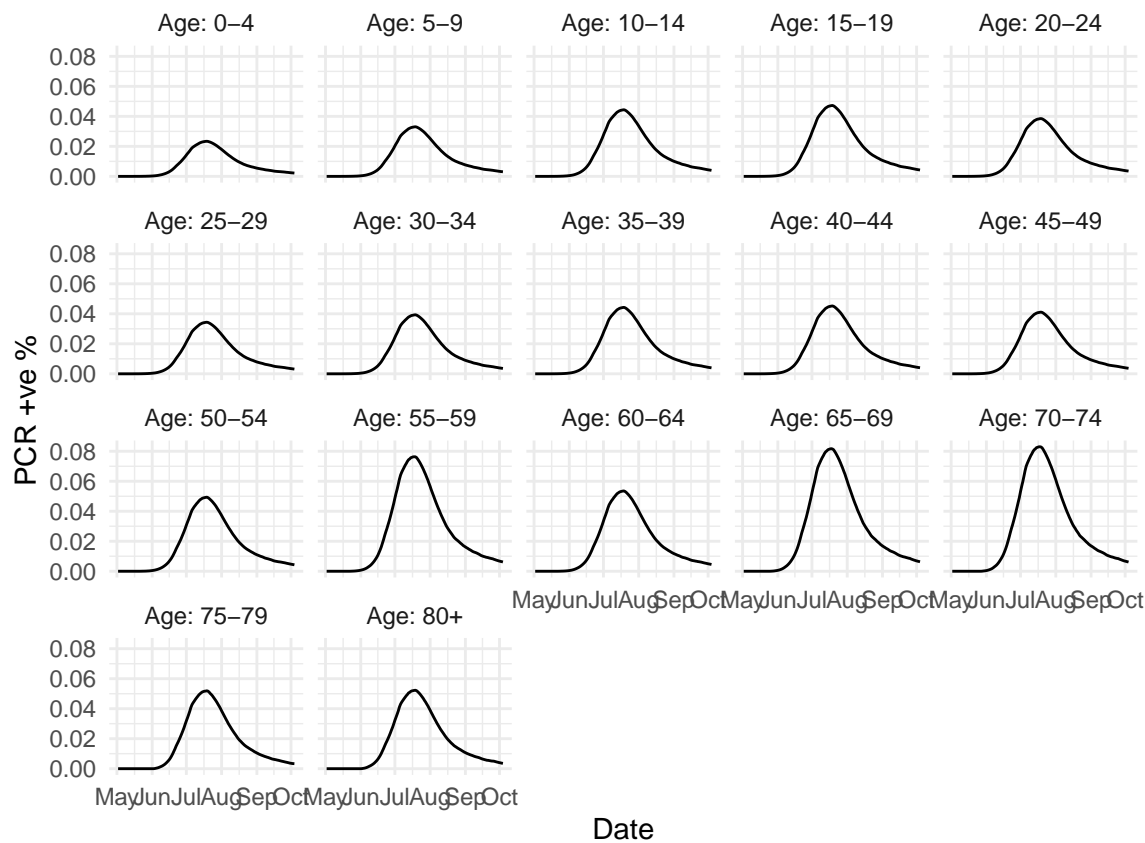
-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

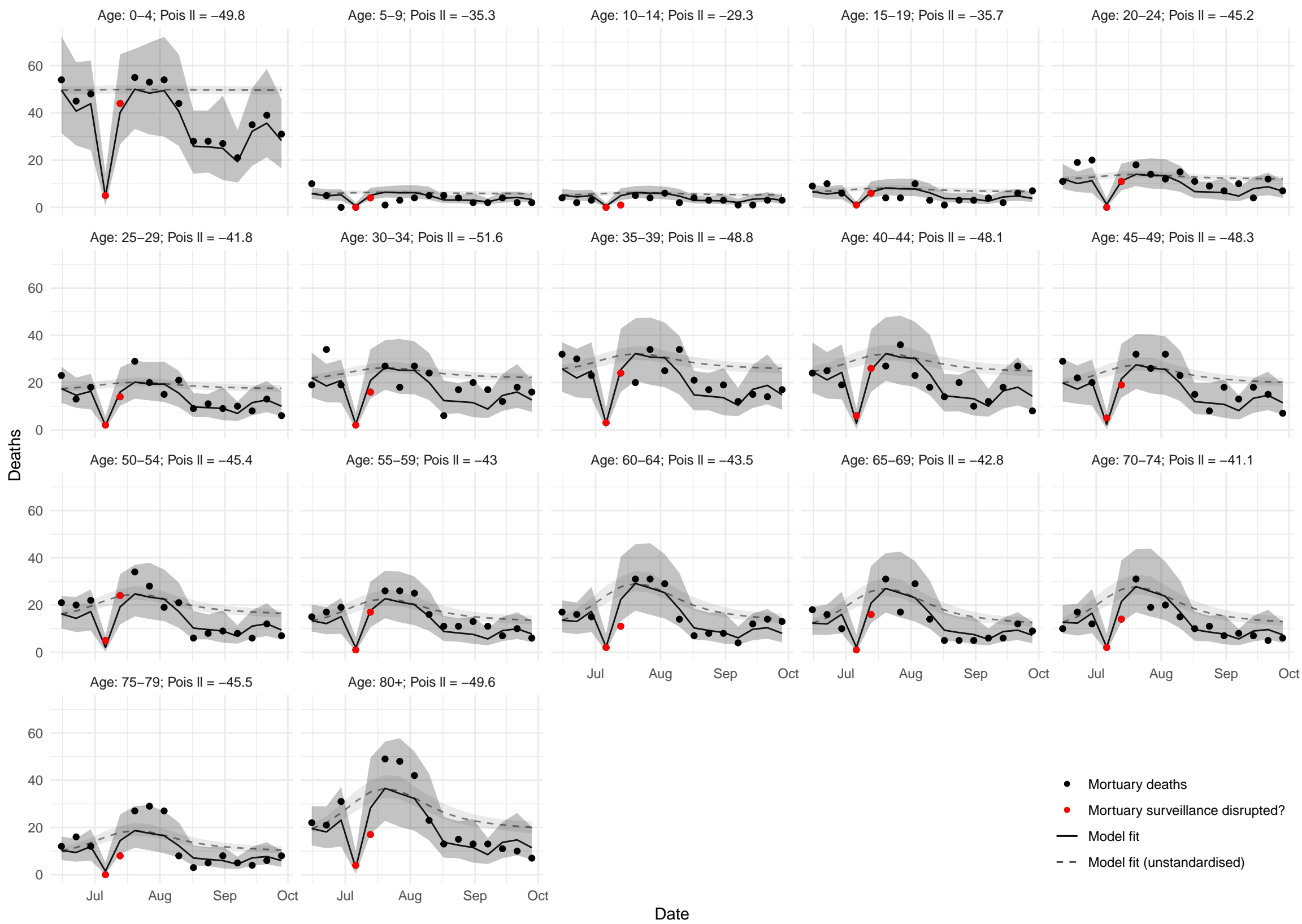
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 2.5, Slope x 1
Modelled COVID-19 Combined prevalence Lusaka

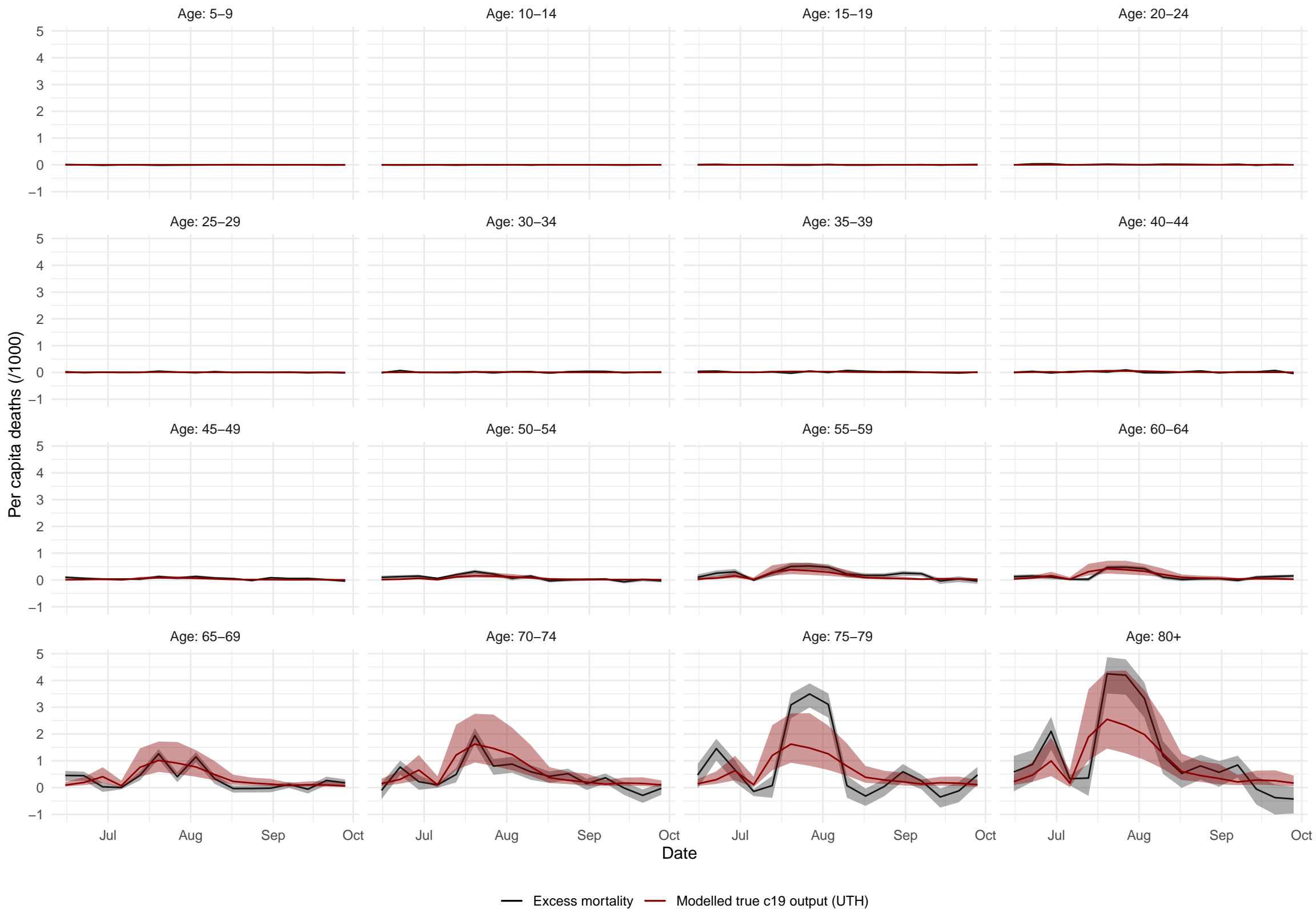


IFR x 2.5, Slope x 1
Modelled PCR % by age group (mid-week)

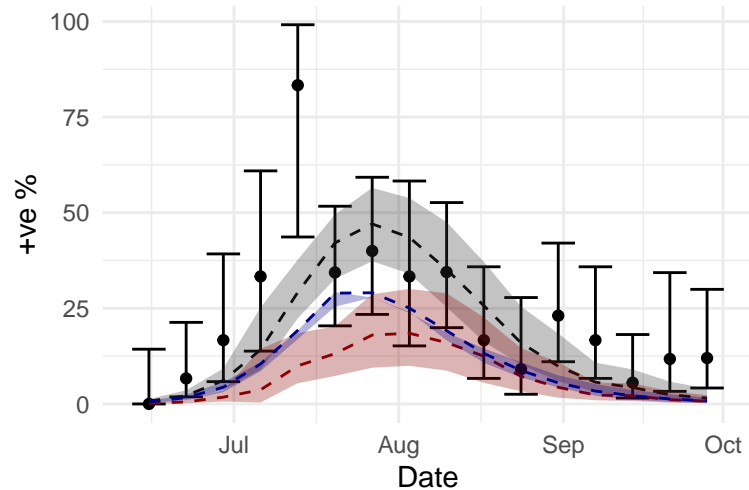




IFR x 2.5, Slope x 1
COVID-19 excess mortality: Comparison of MCMC results with squire results

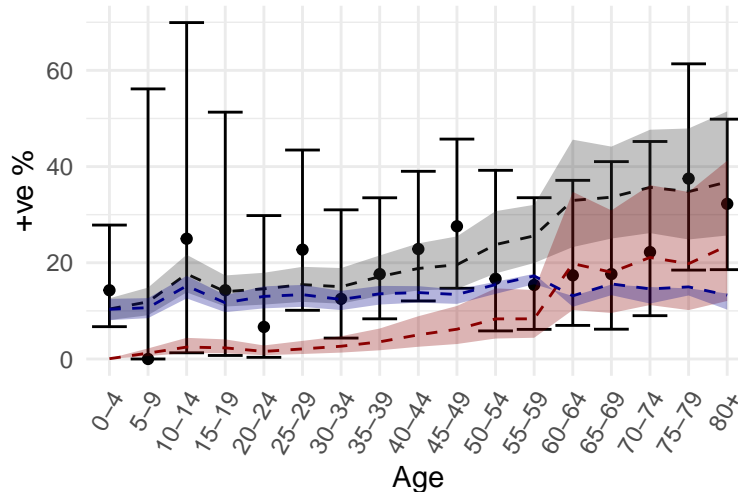


IFR x 0.2, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

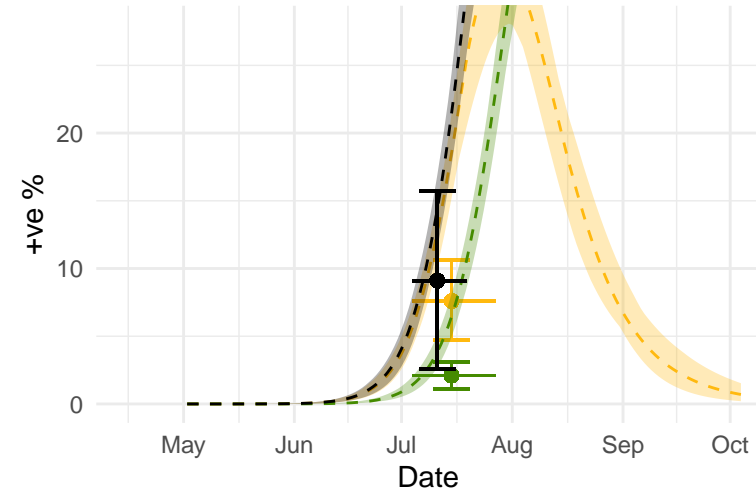


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

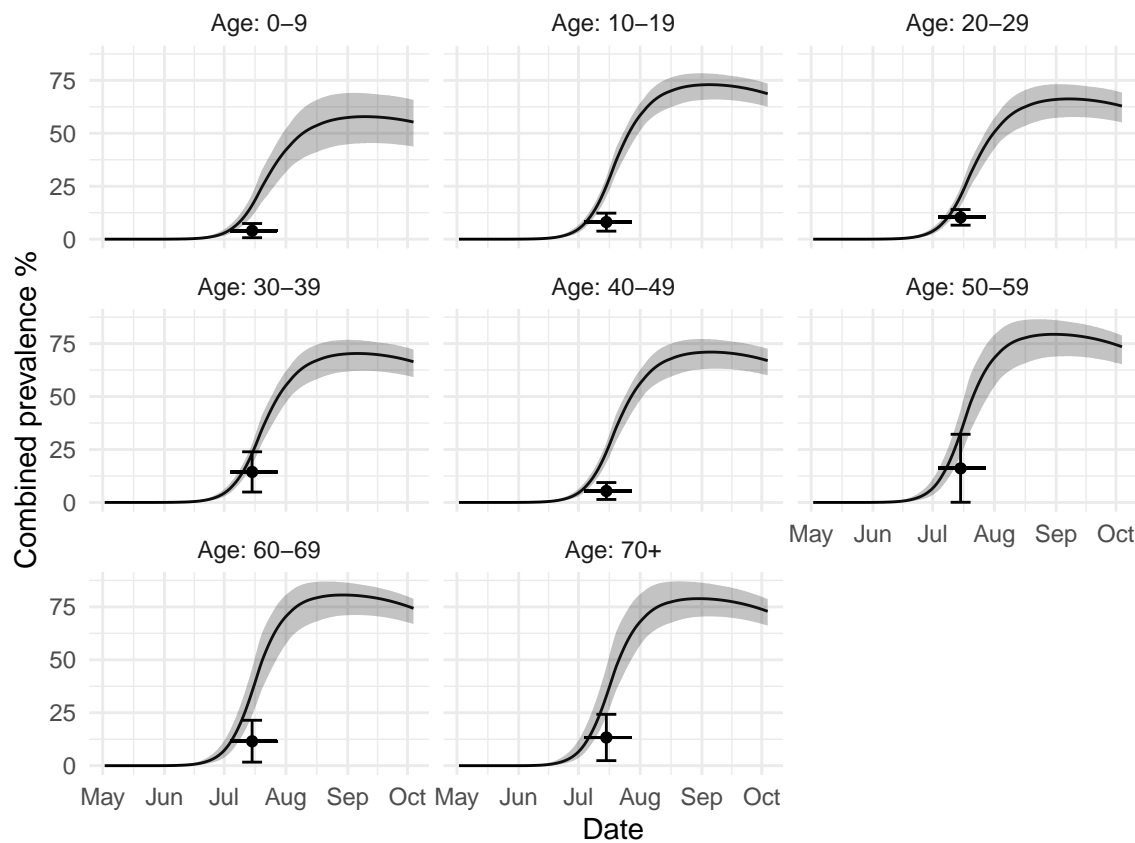


COVID-19 prevalence
Lusaka/Zambia

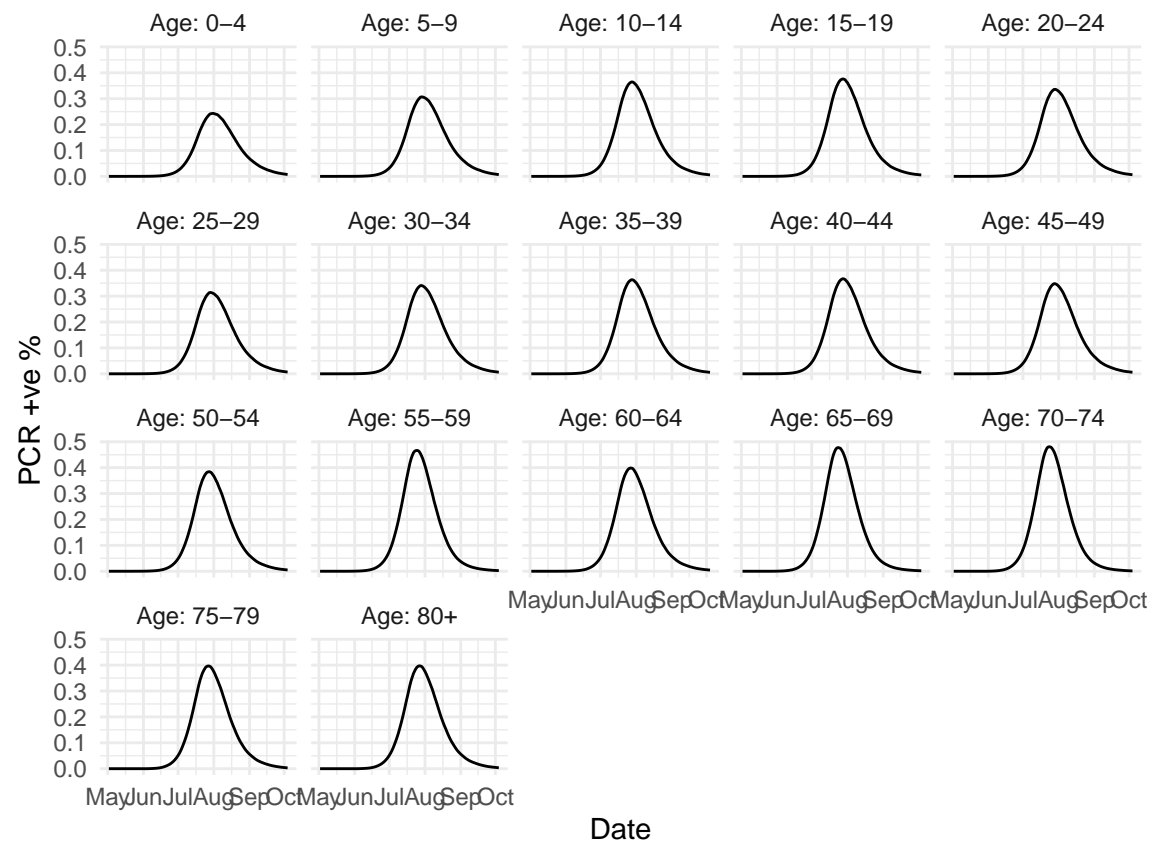


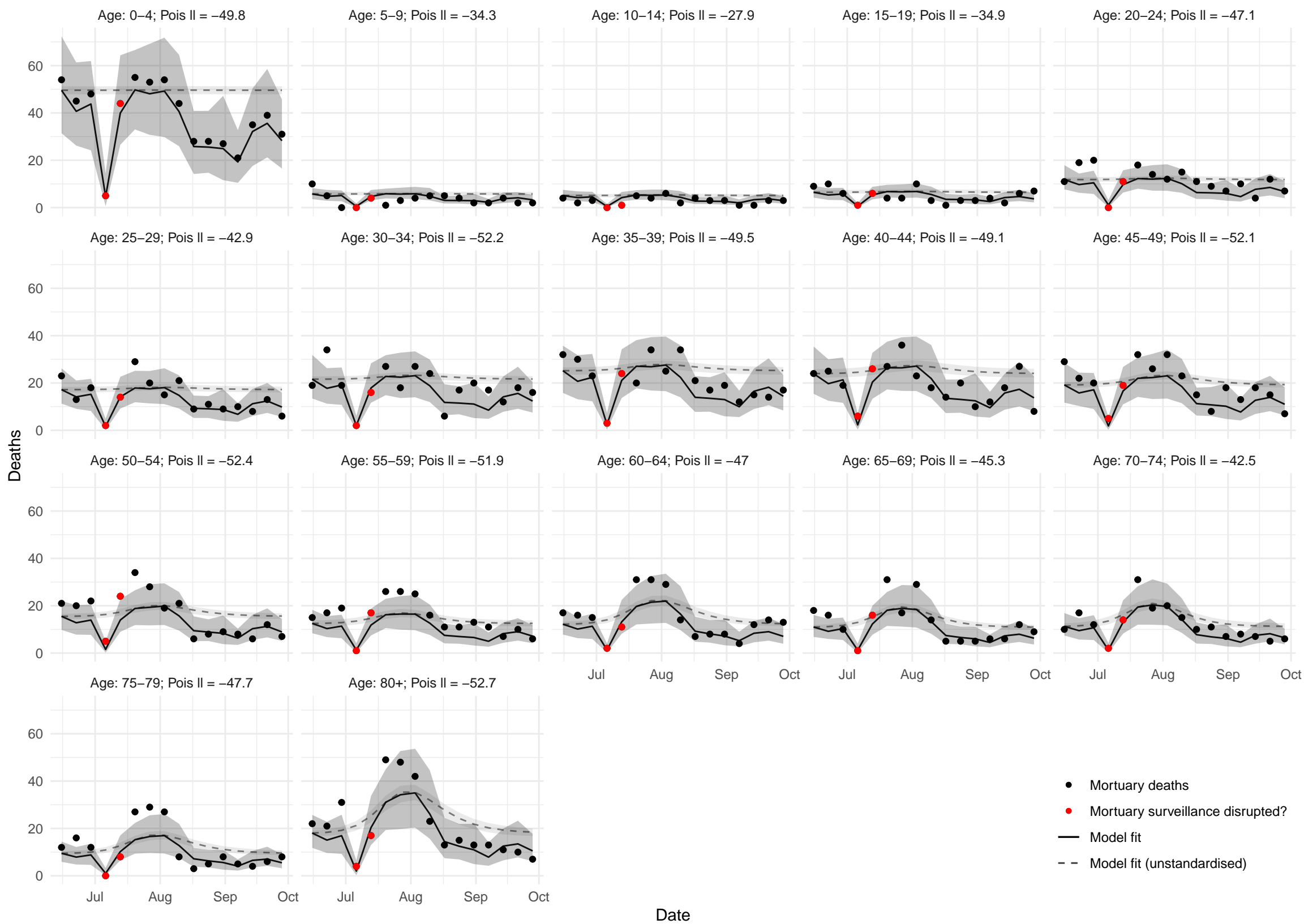
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.2, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka

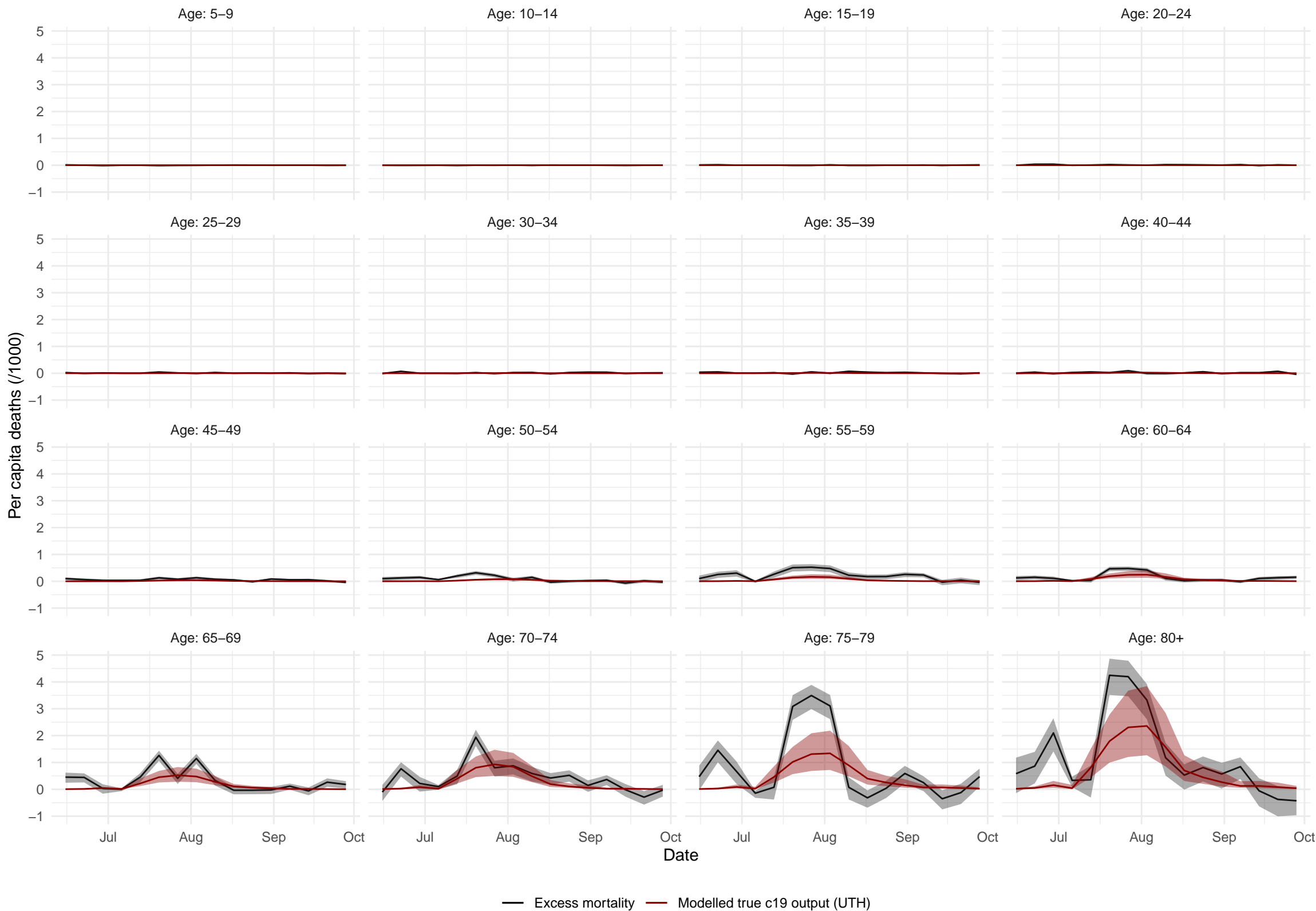


IFR x 0.2, Slope x 1.25
Modelled PCR % by age group (mid-week)

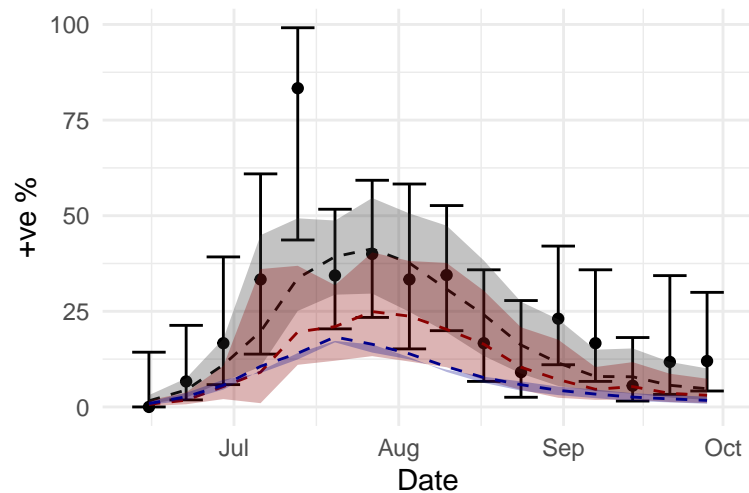




IFR x 0.2, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results

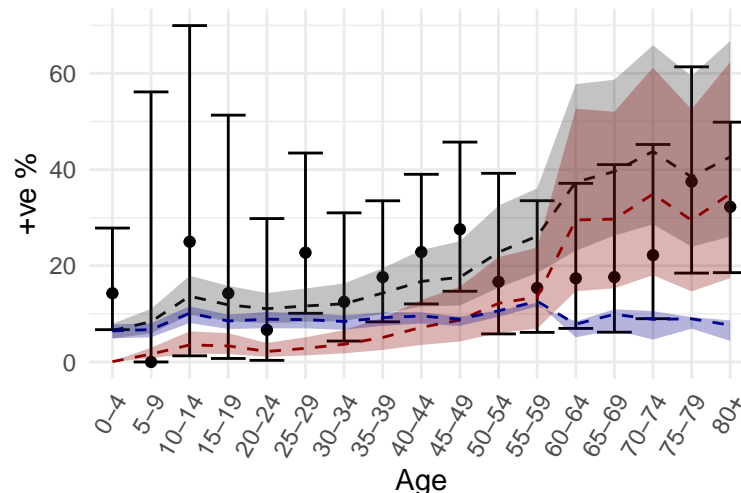


IFR x 0.4, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

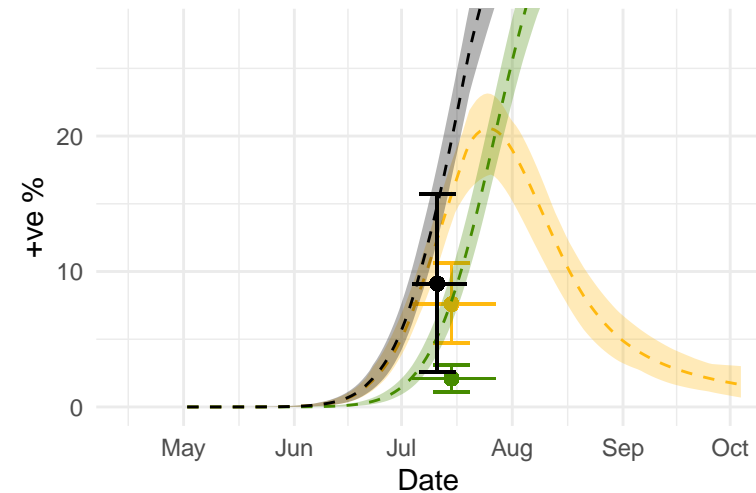


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

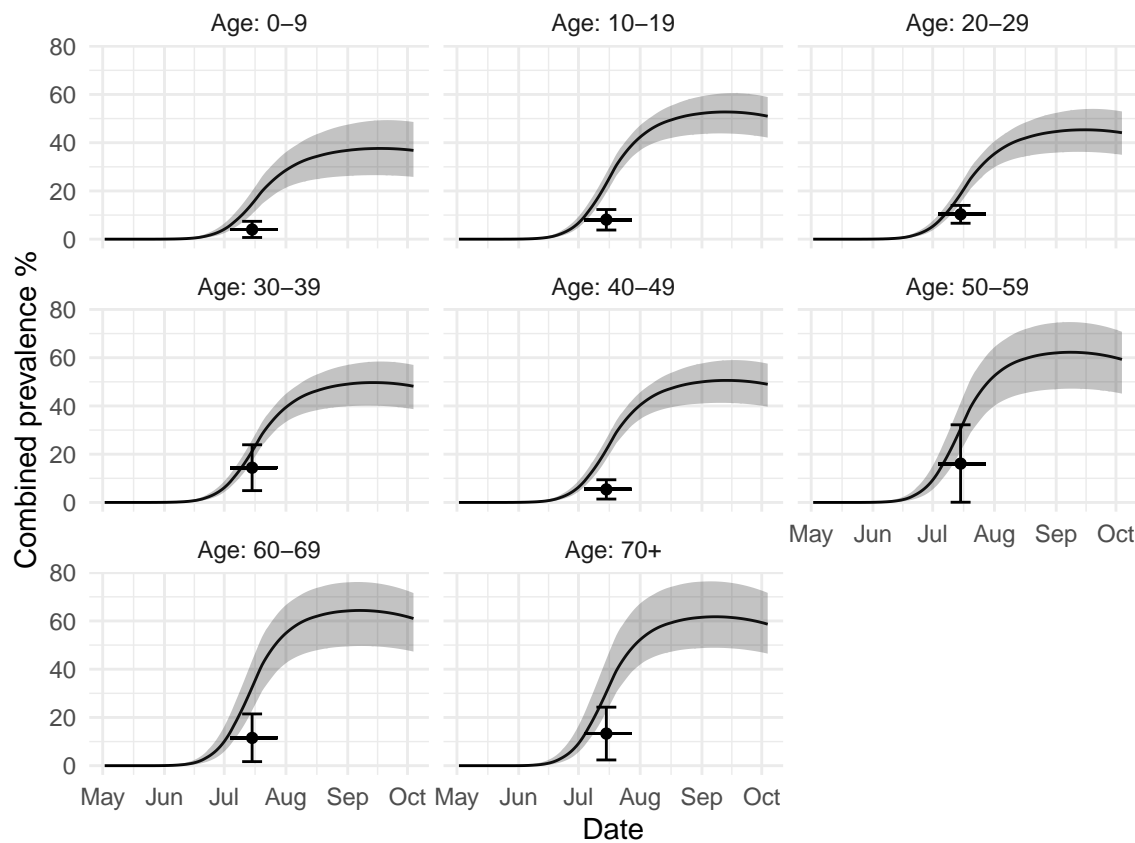


COVID-19 prevalence
Lusaka/Zambia

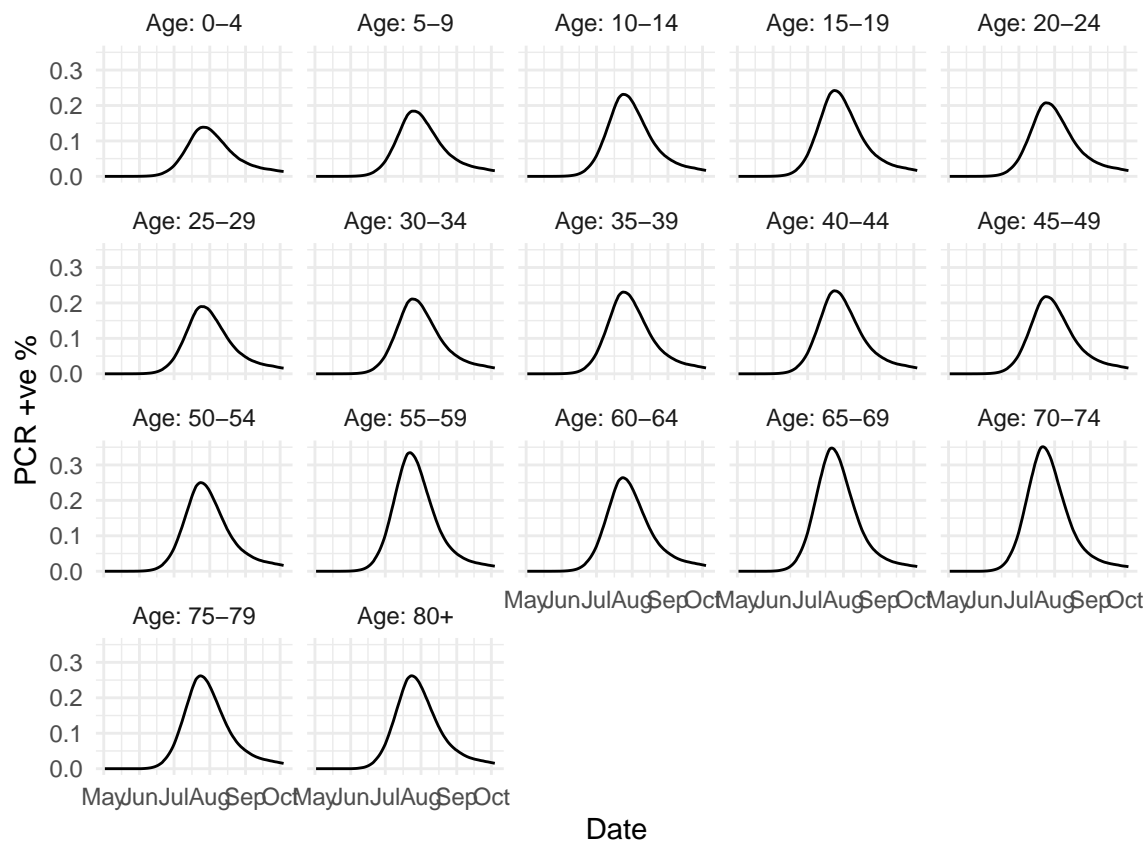


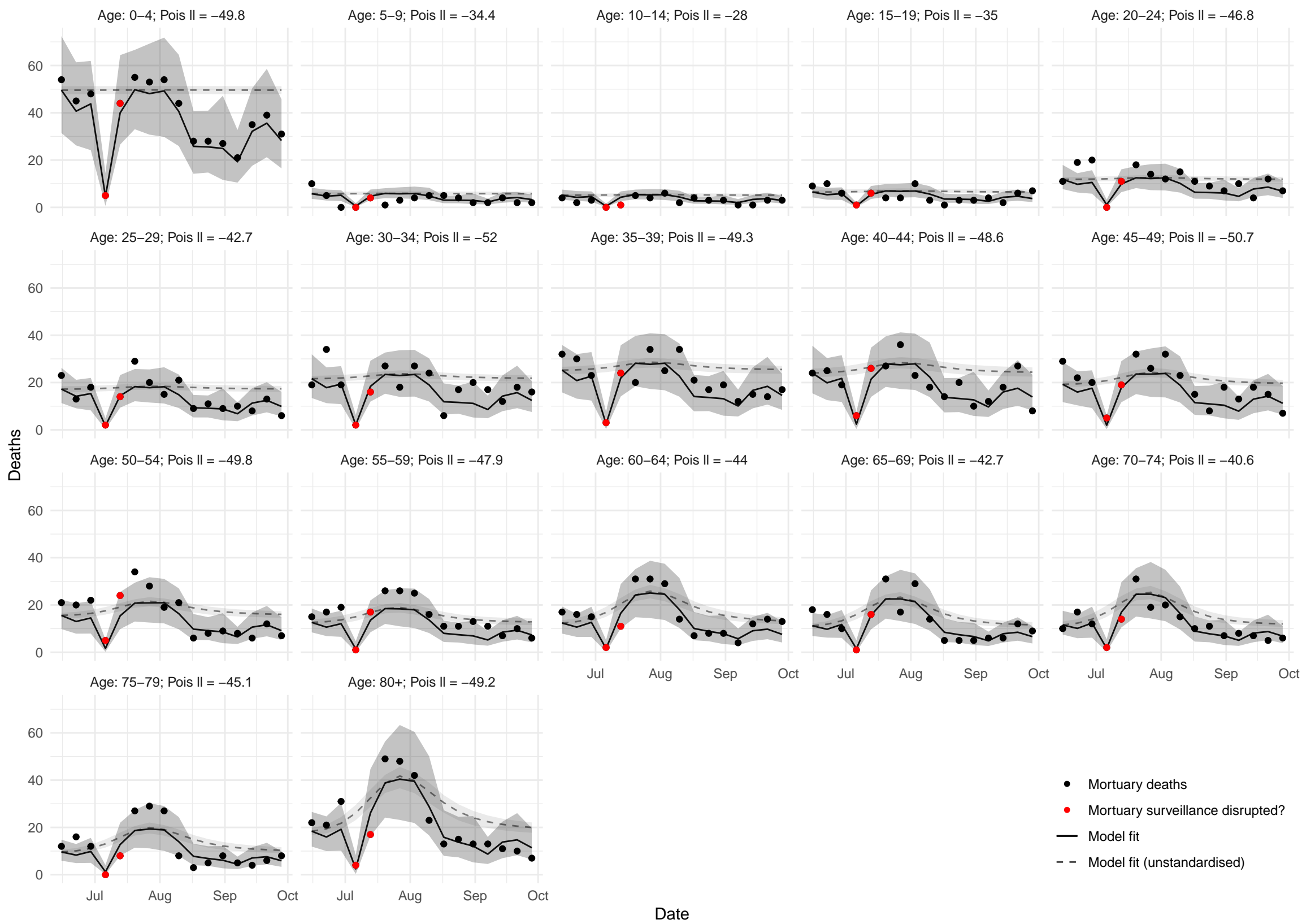
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.4, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka

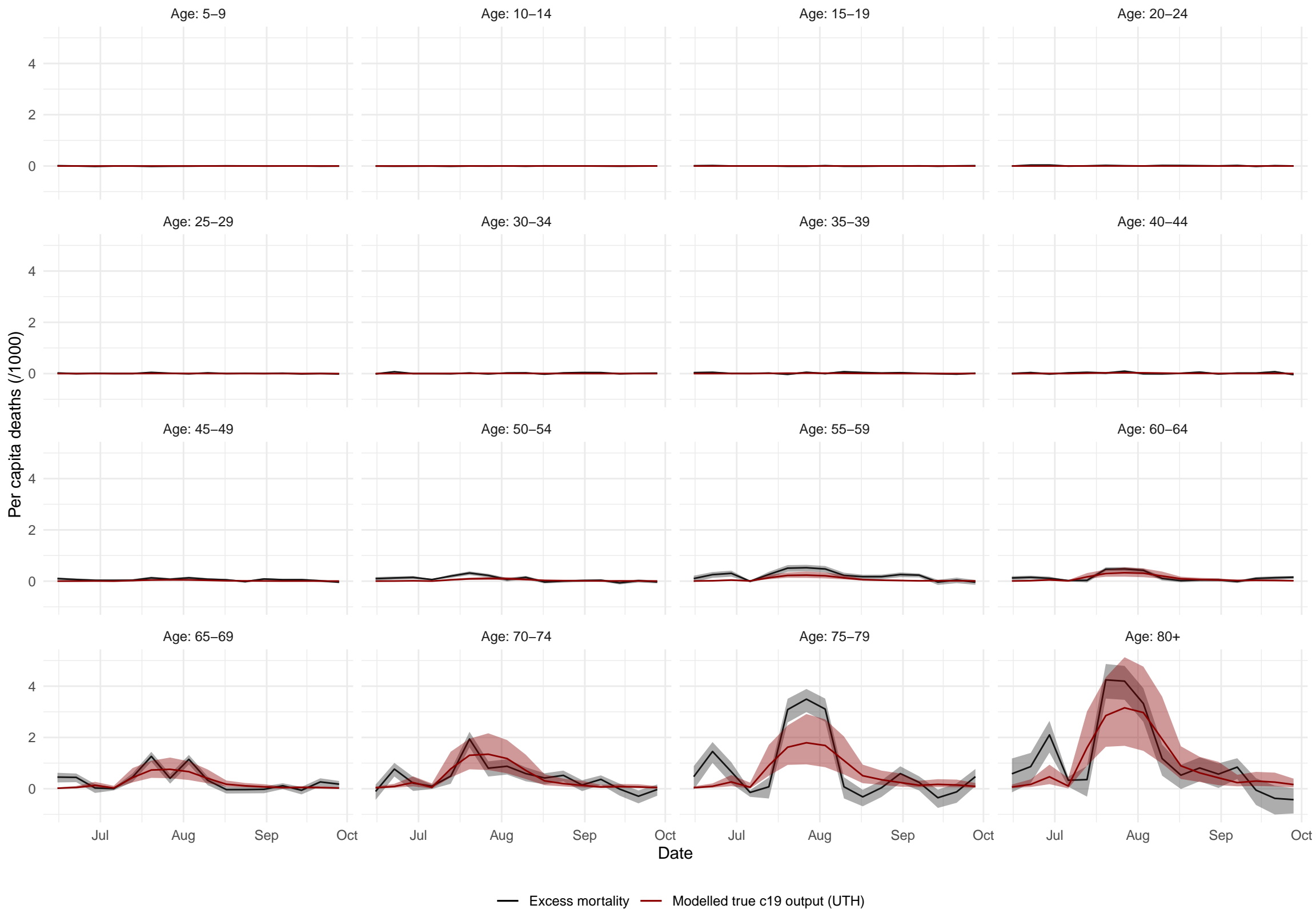


IFR x 0.4, Slope x 1.25
Modelled PCR % by age group (mid-week)

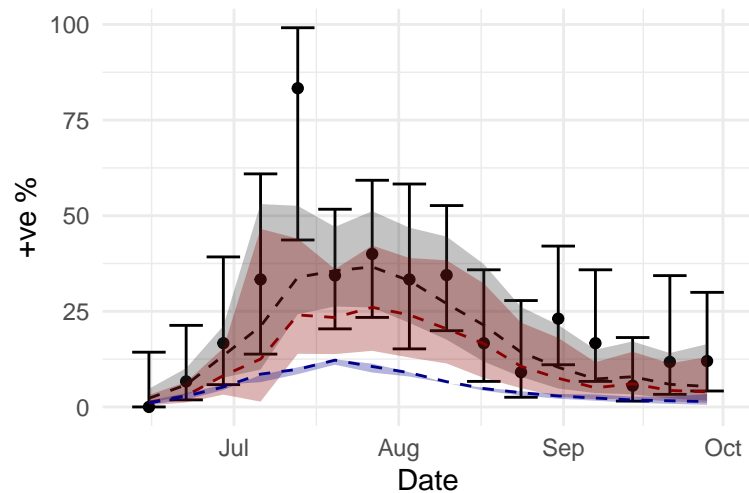




IFR x 0.4, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results

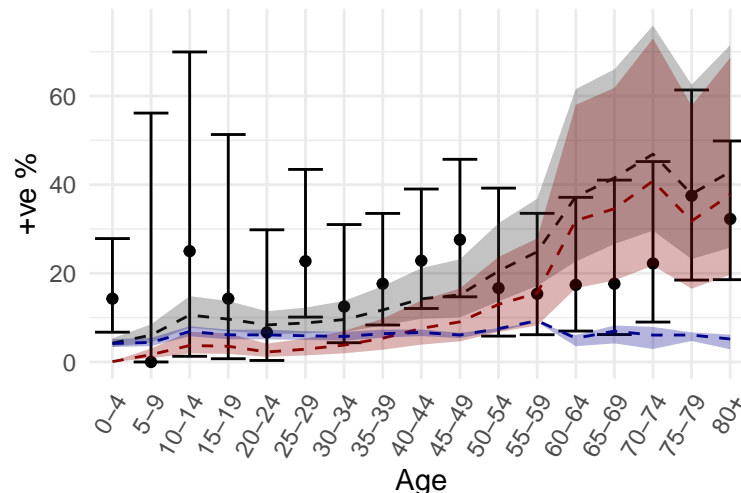


IFR x 0.6, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

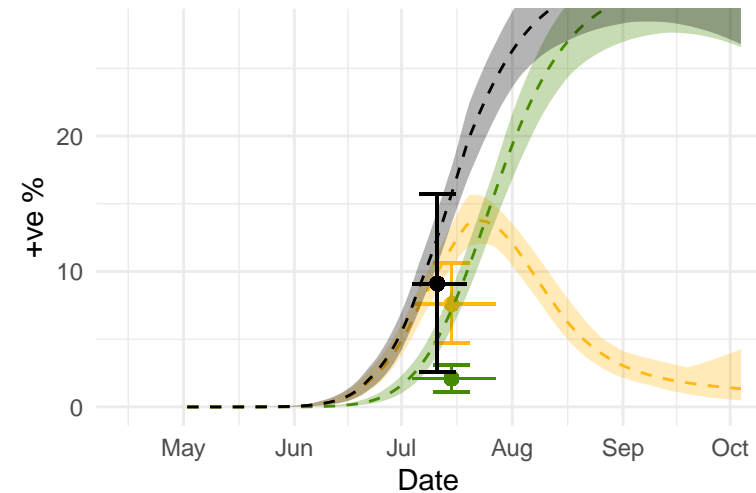


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

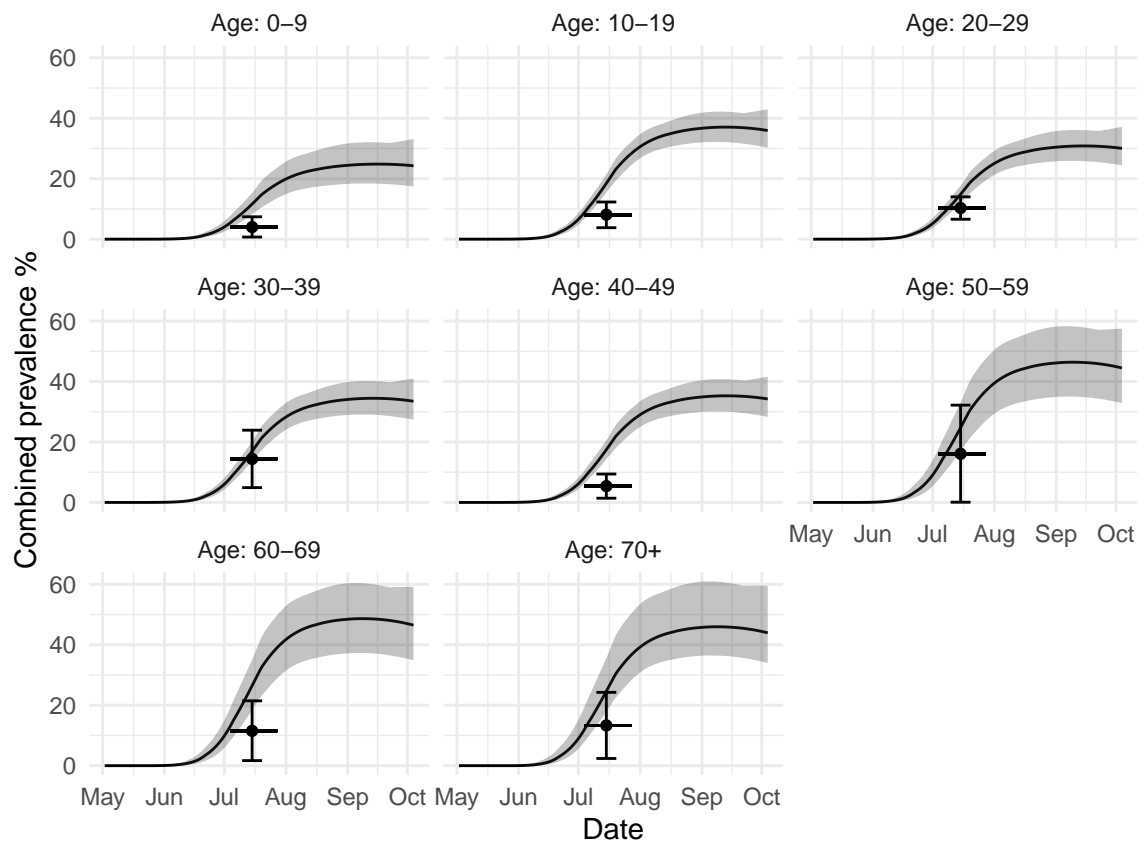


COVID-19 prevalence
Lusaka/Zambia

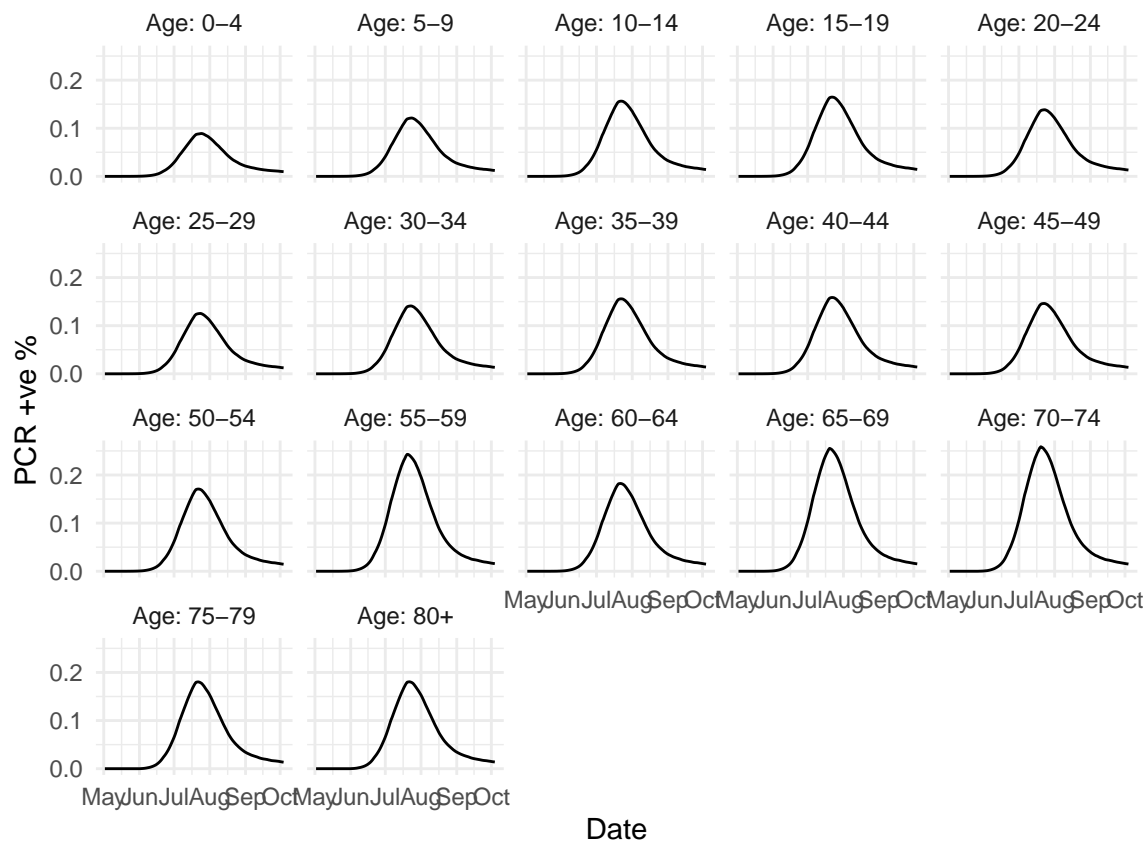


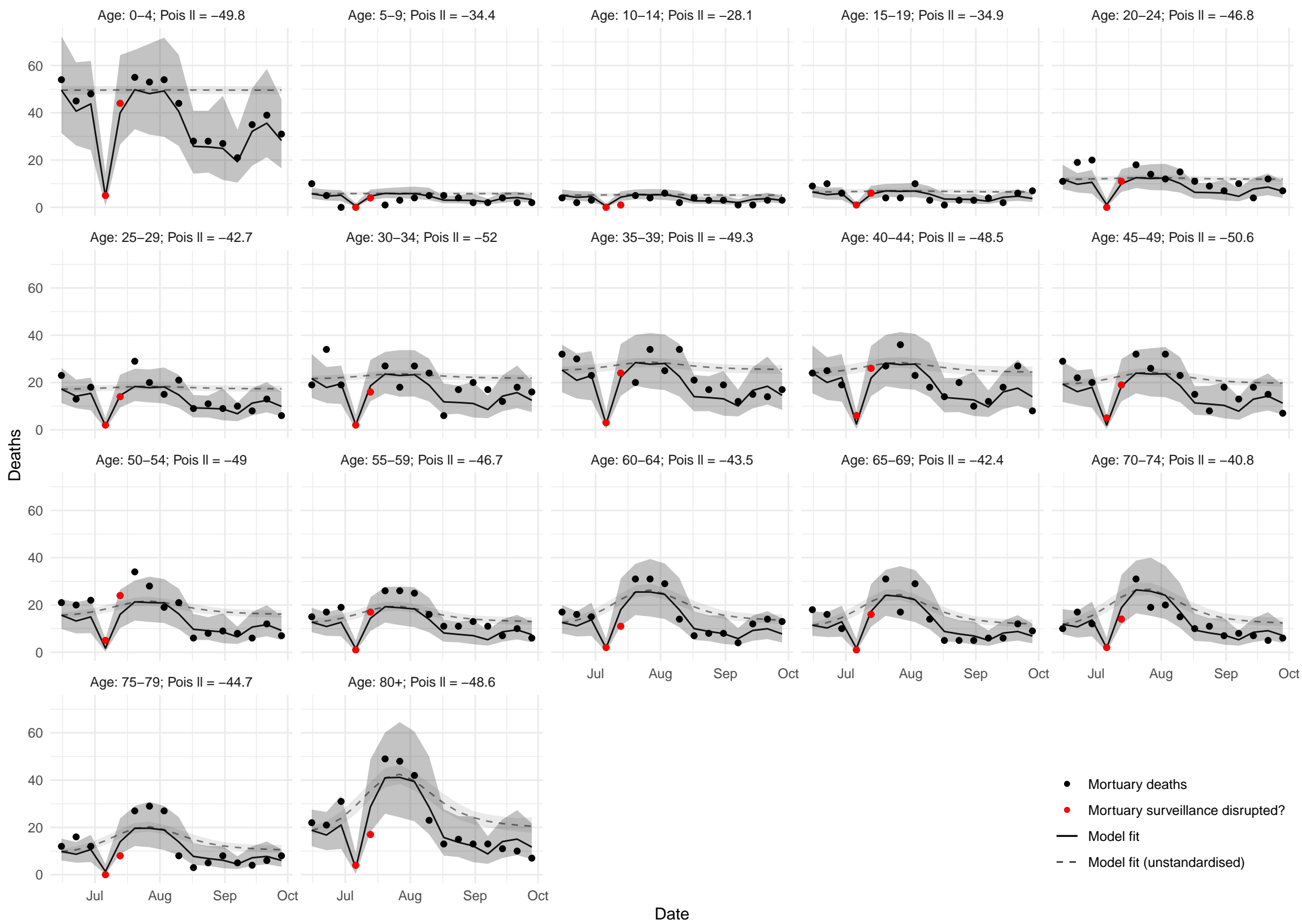
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.6, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka

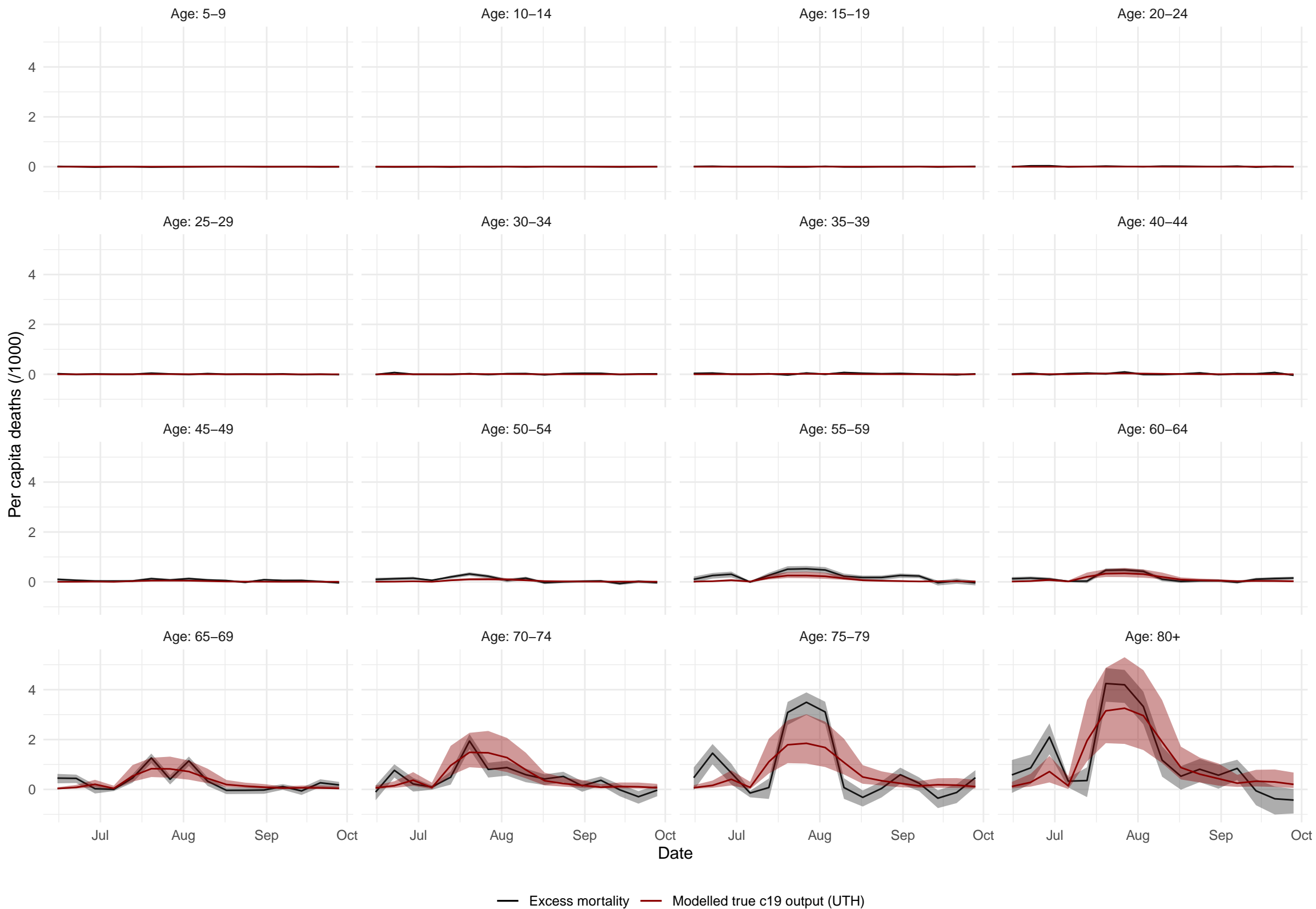


IFR x 0.6, Slope x 1.25
Modelled PCR % by age group (mid-week)

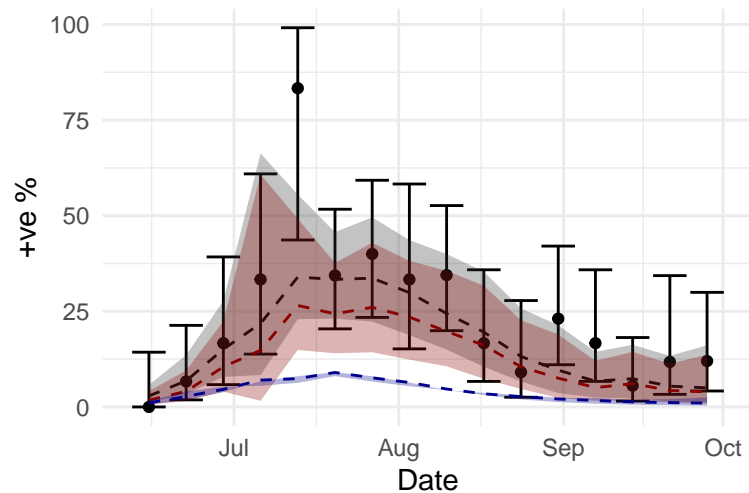




IFR x 0.6, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results

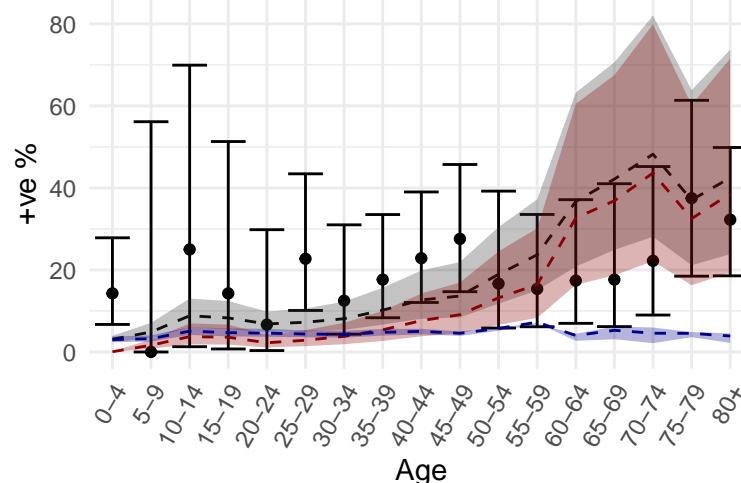


IFR x 0.8, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

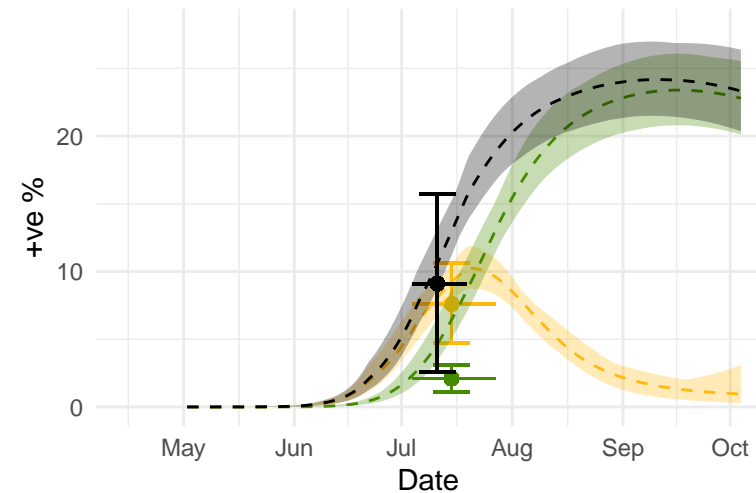


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

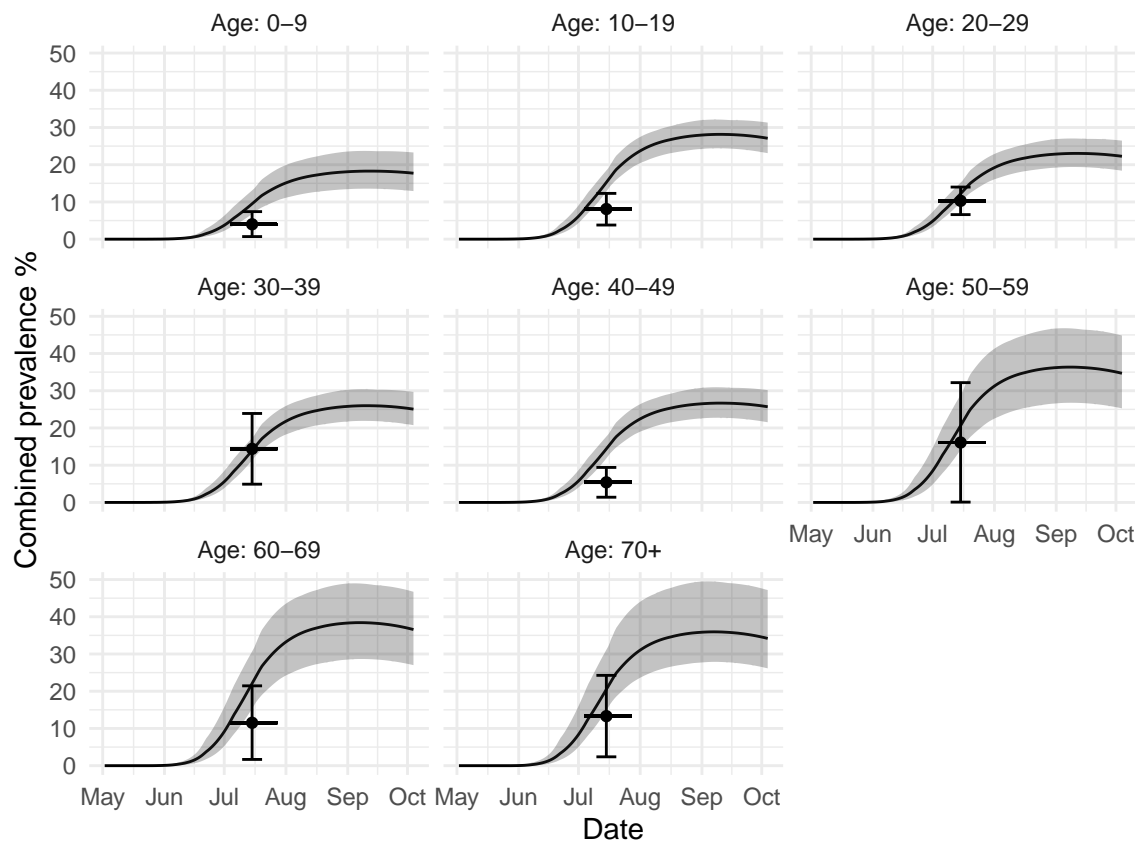


COVID-19 prevalence
Lusaka/Zambia

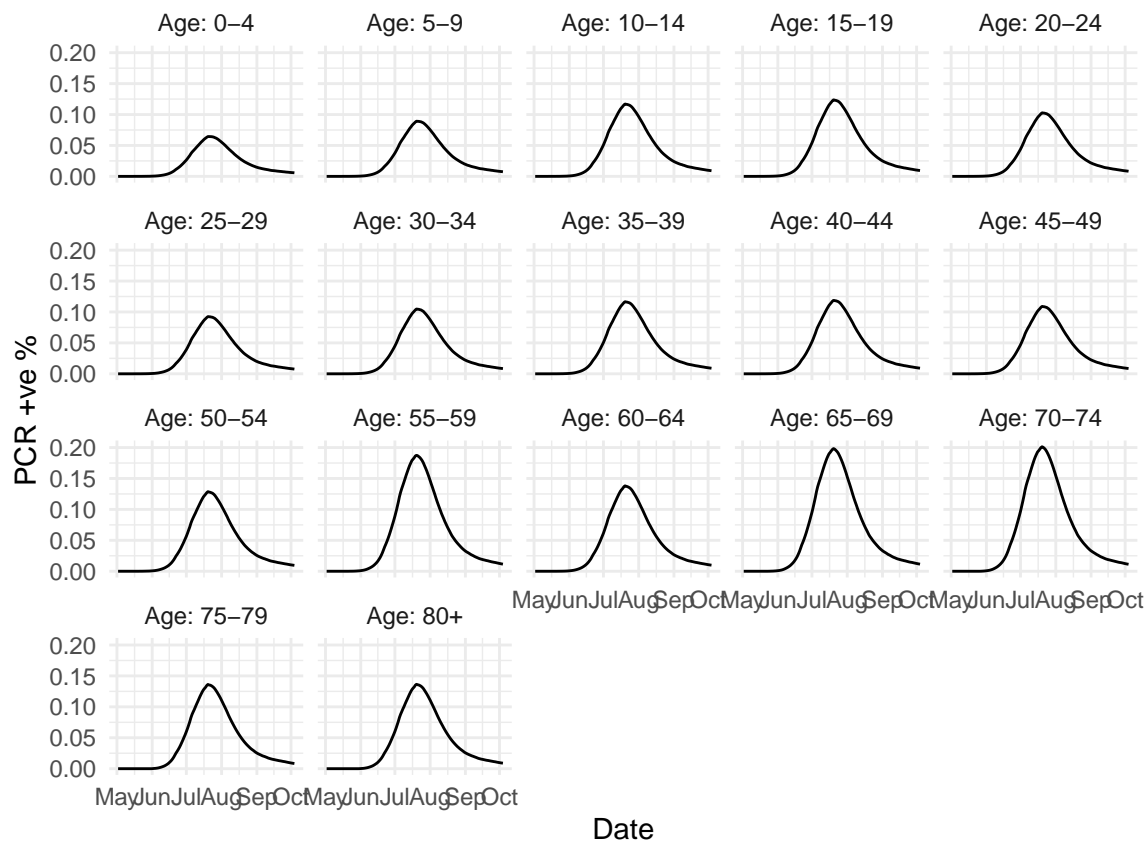


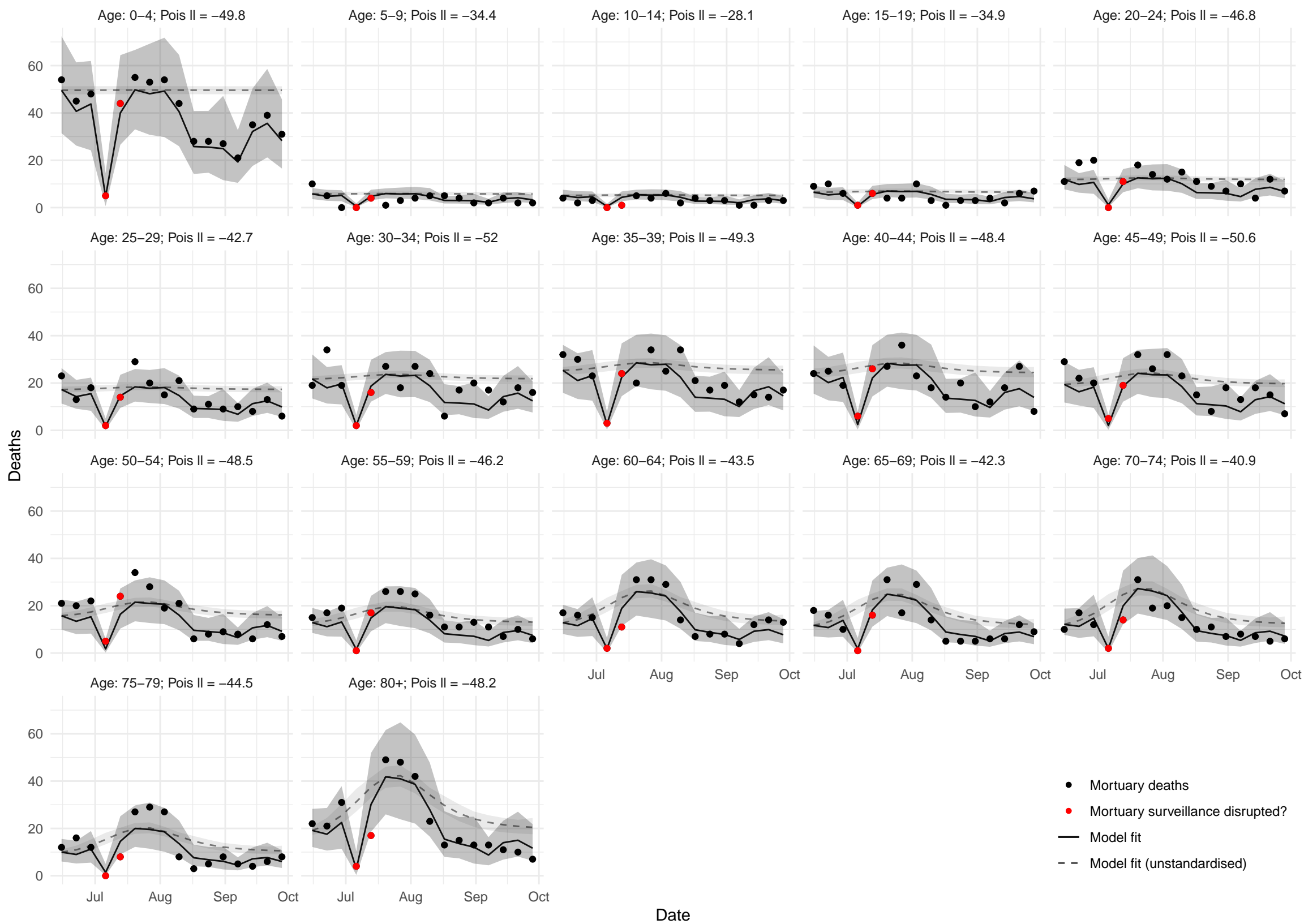
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 0.8, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka

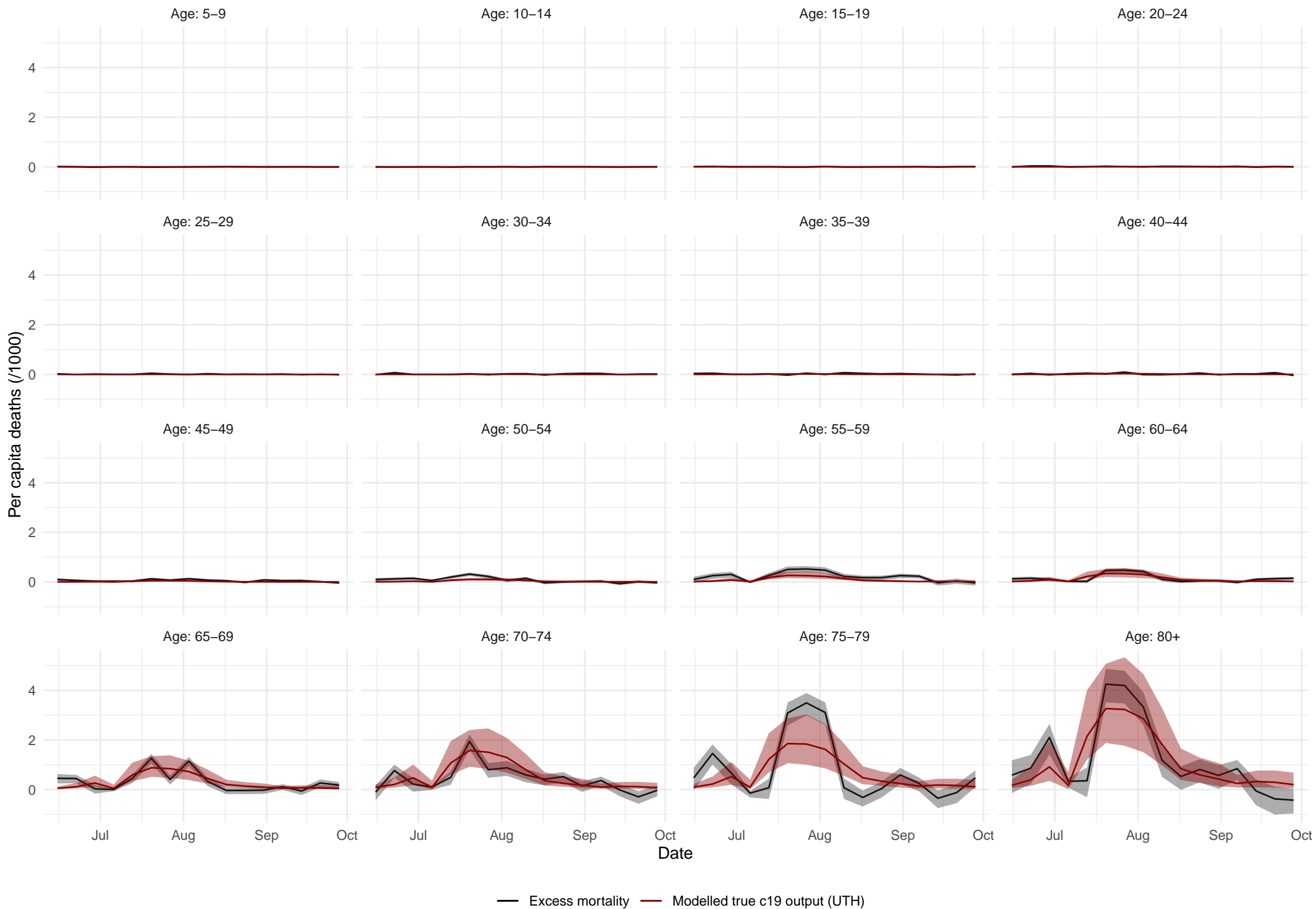


IFR x 0.8, Slope x 1.25
Modelled PCR % by age group (mid-week)

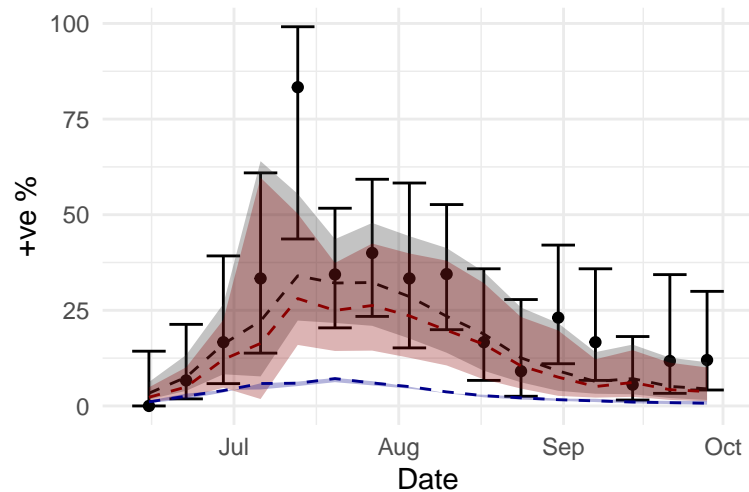




IFR x 0.8, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results

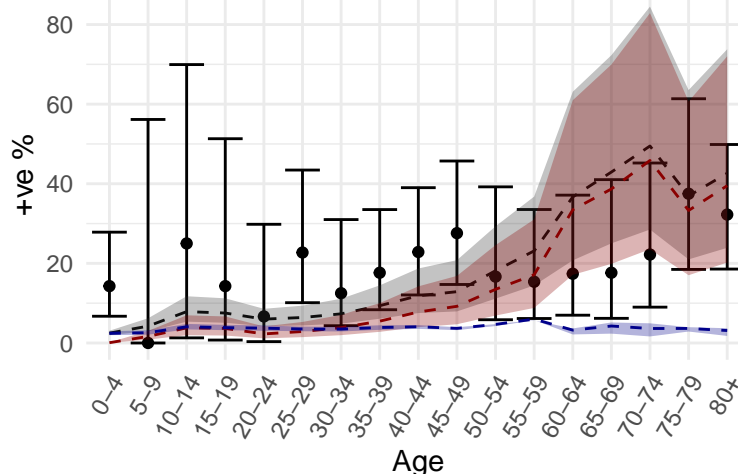


IFR x 1, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

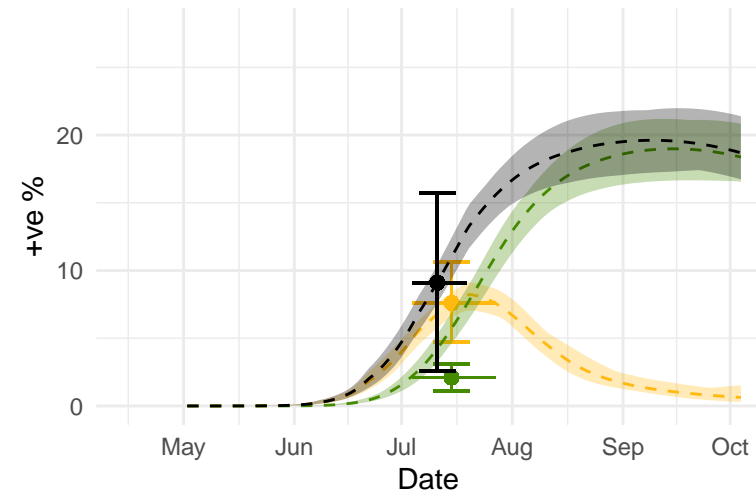


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

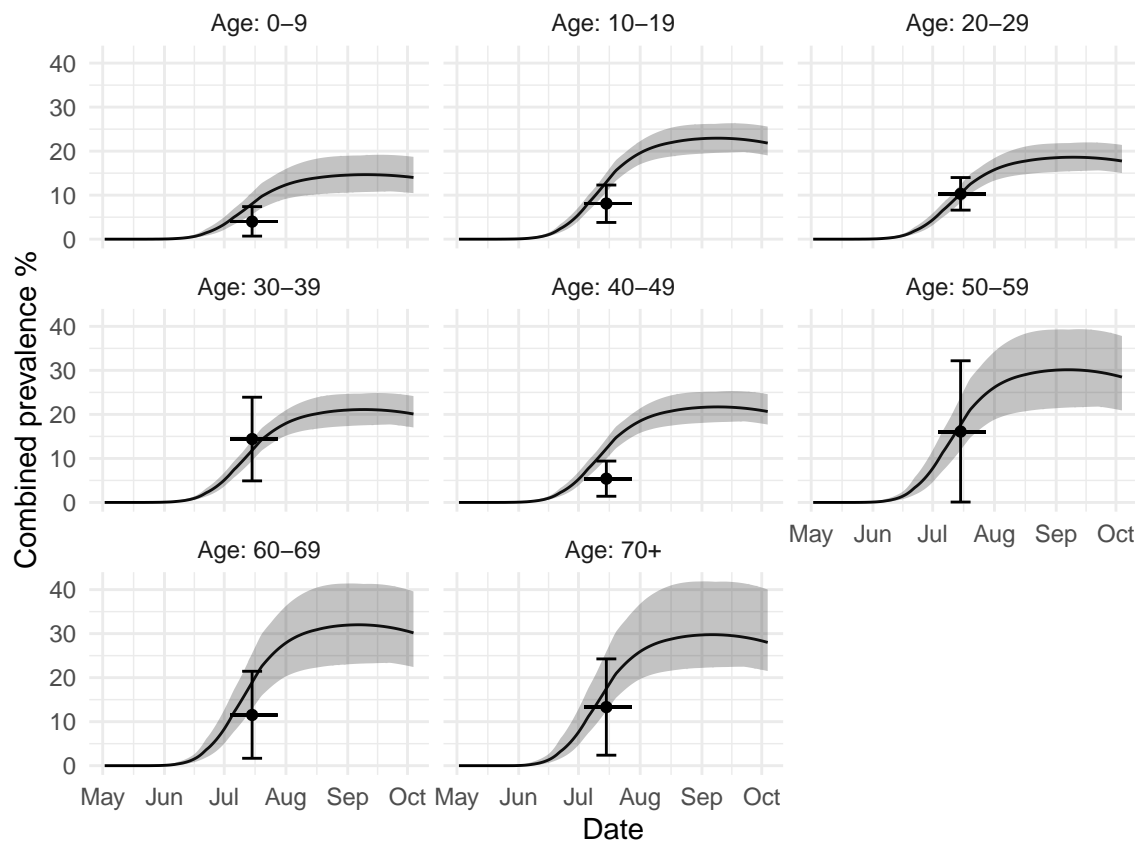


COVID-19 prevalence
Lusaka/Zambia

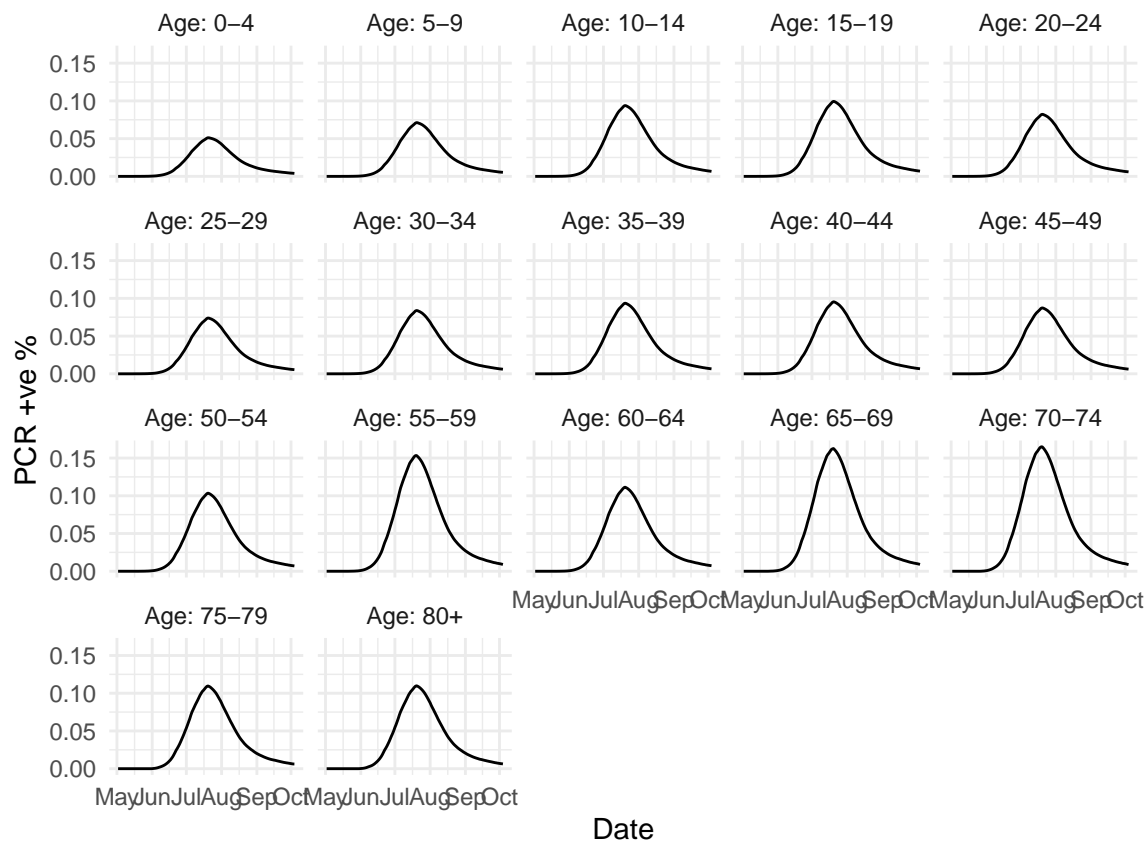


● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

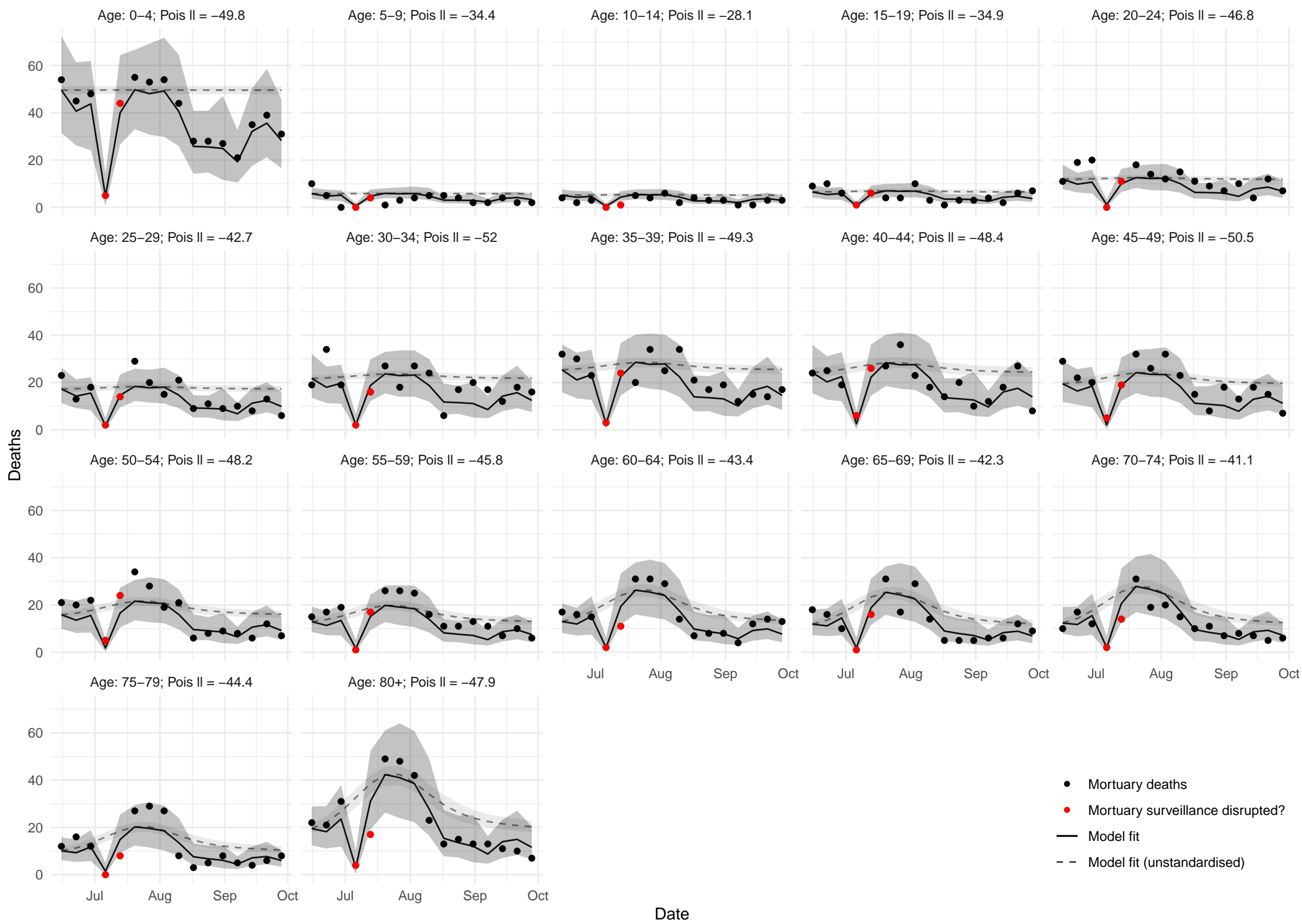
IFR x 1, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka



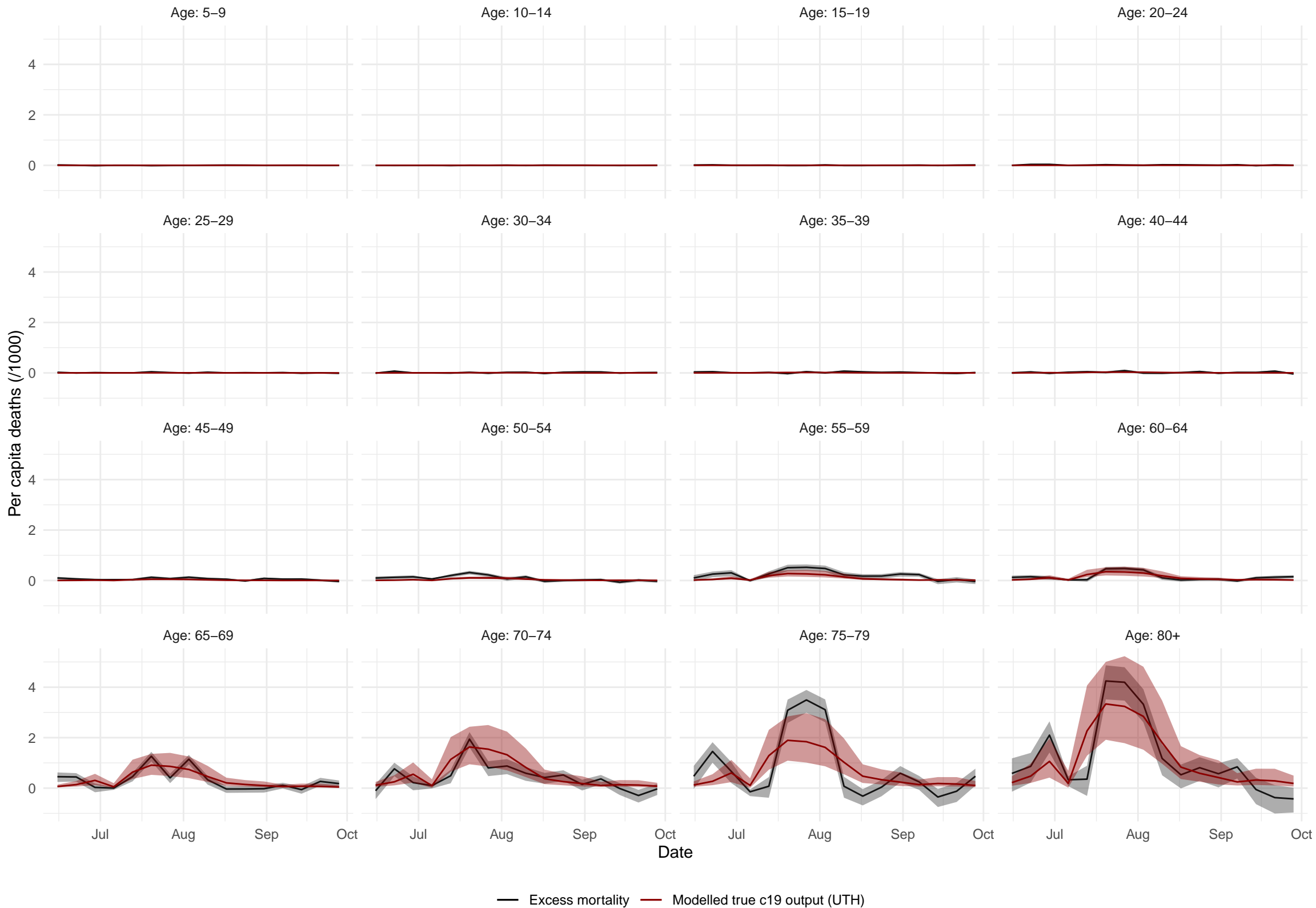
IFR x 1, Slope x 1.25
Modelled PCR % by age group (mid-week)



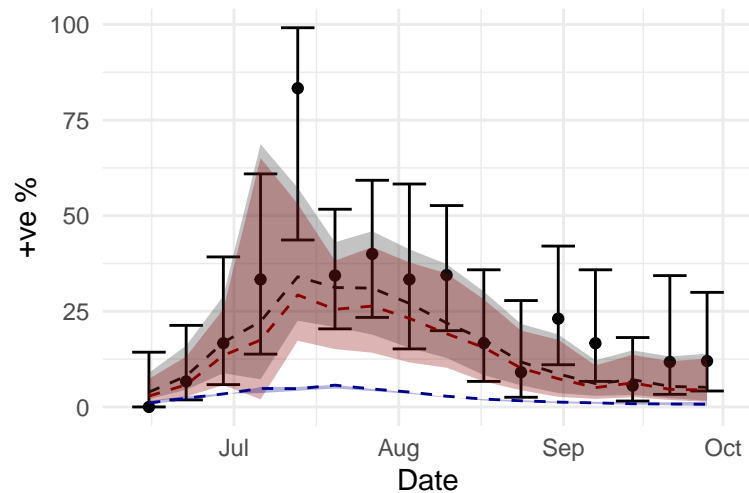
IFR x 1, Slope x 1.25
COVID-19 weekly deaths (Mortuary)



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

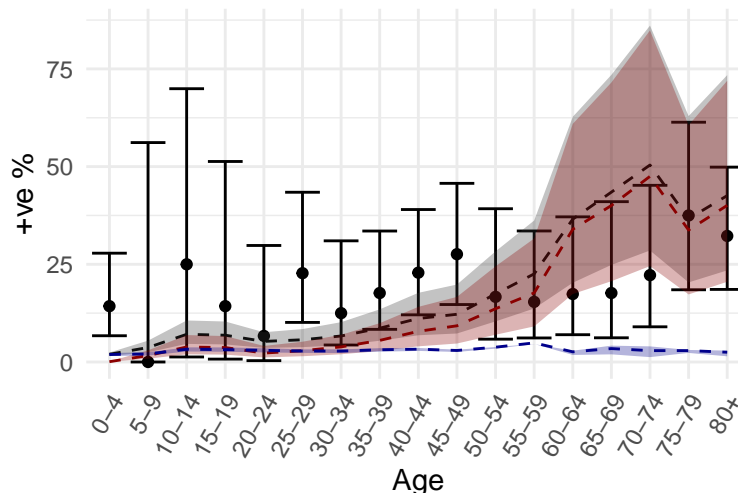


IFR x 1.25, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary

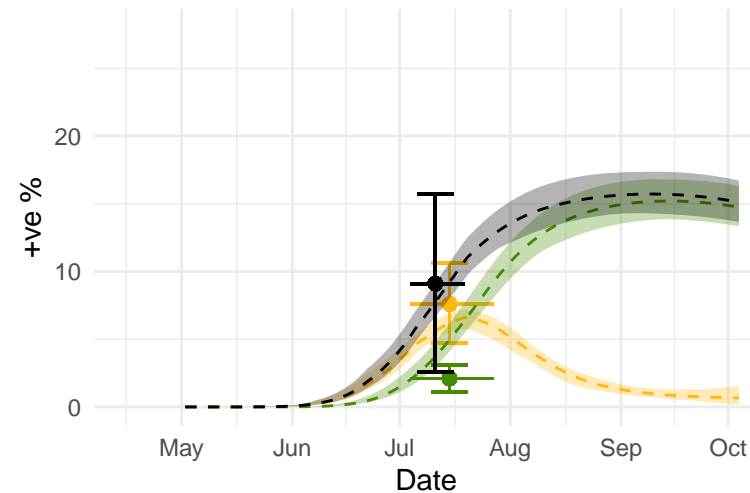


-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

COVID-19 prevalence by age
UTH mortuary

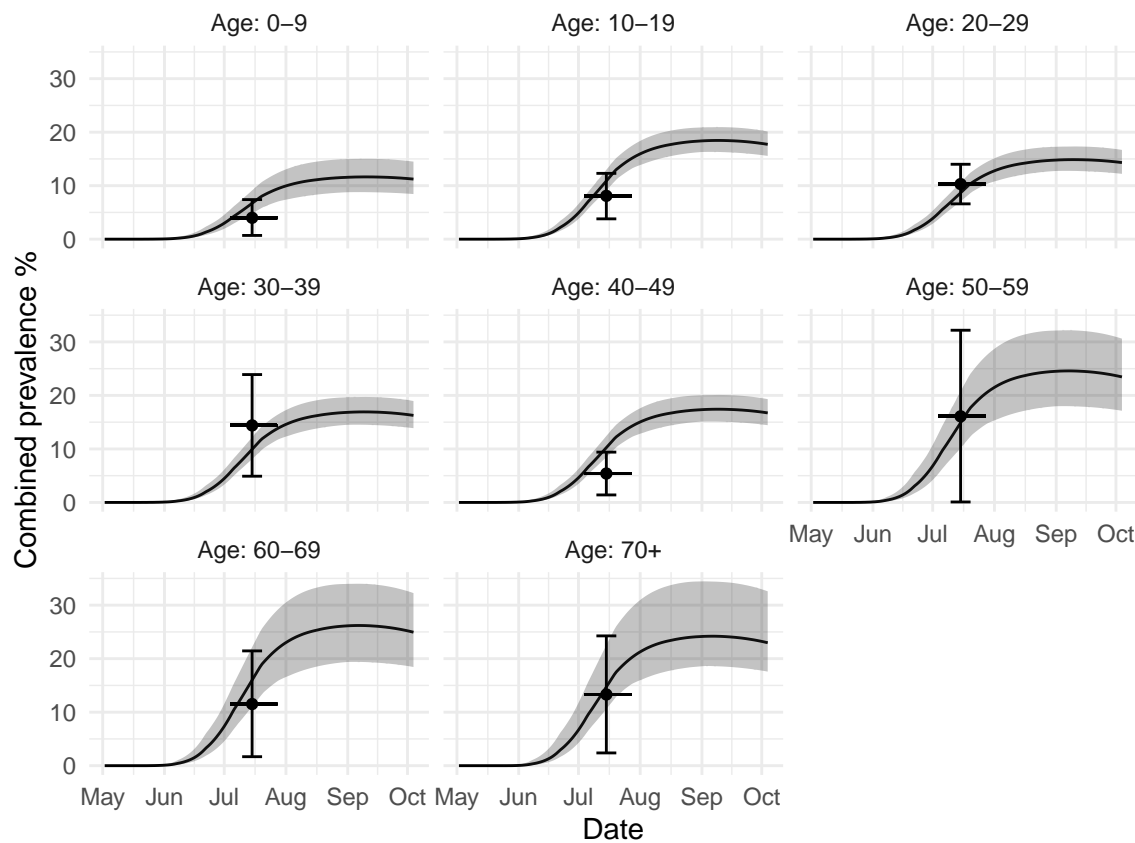


COVID-19 prevalence
Lusaka/Zambia

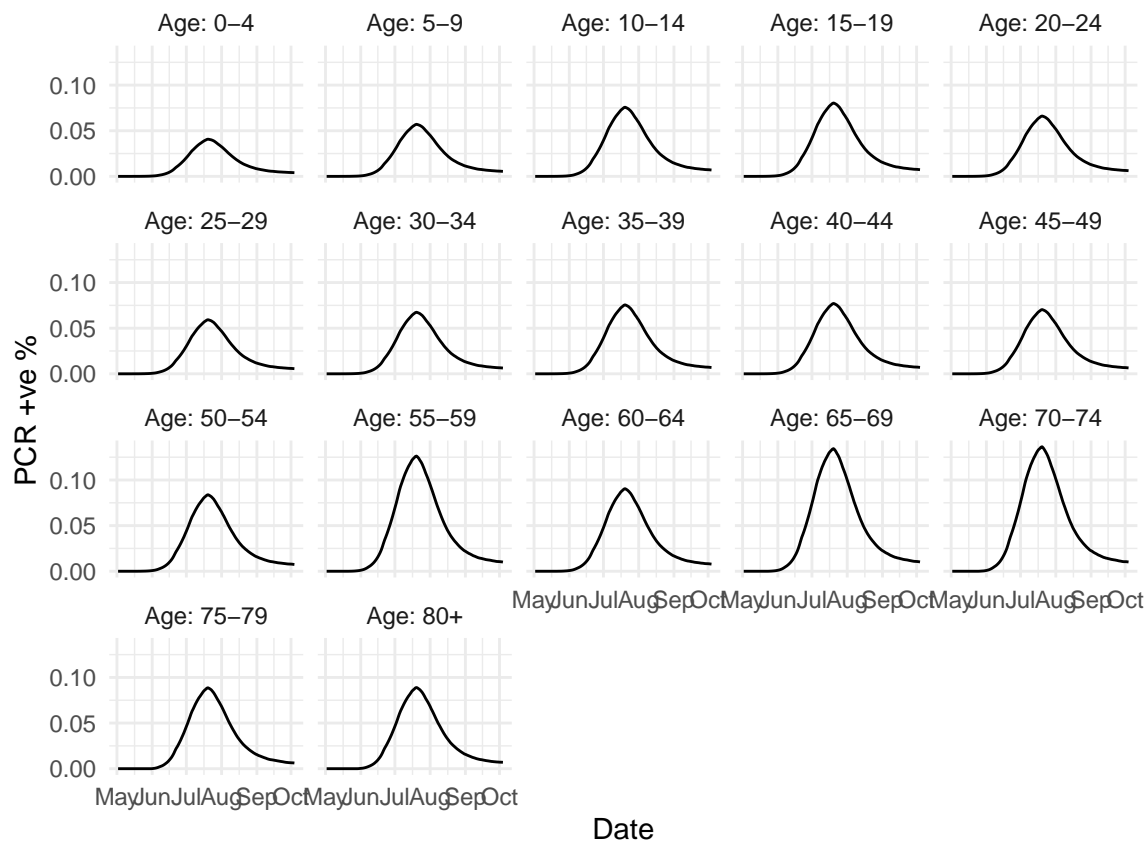


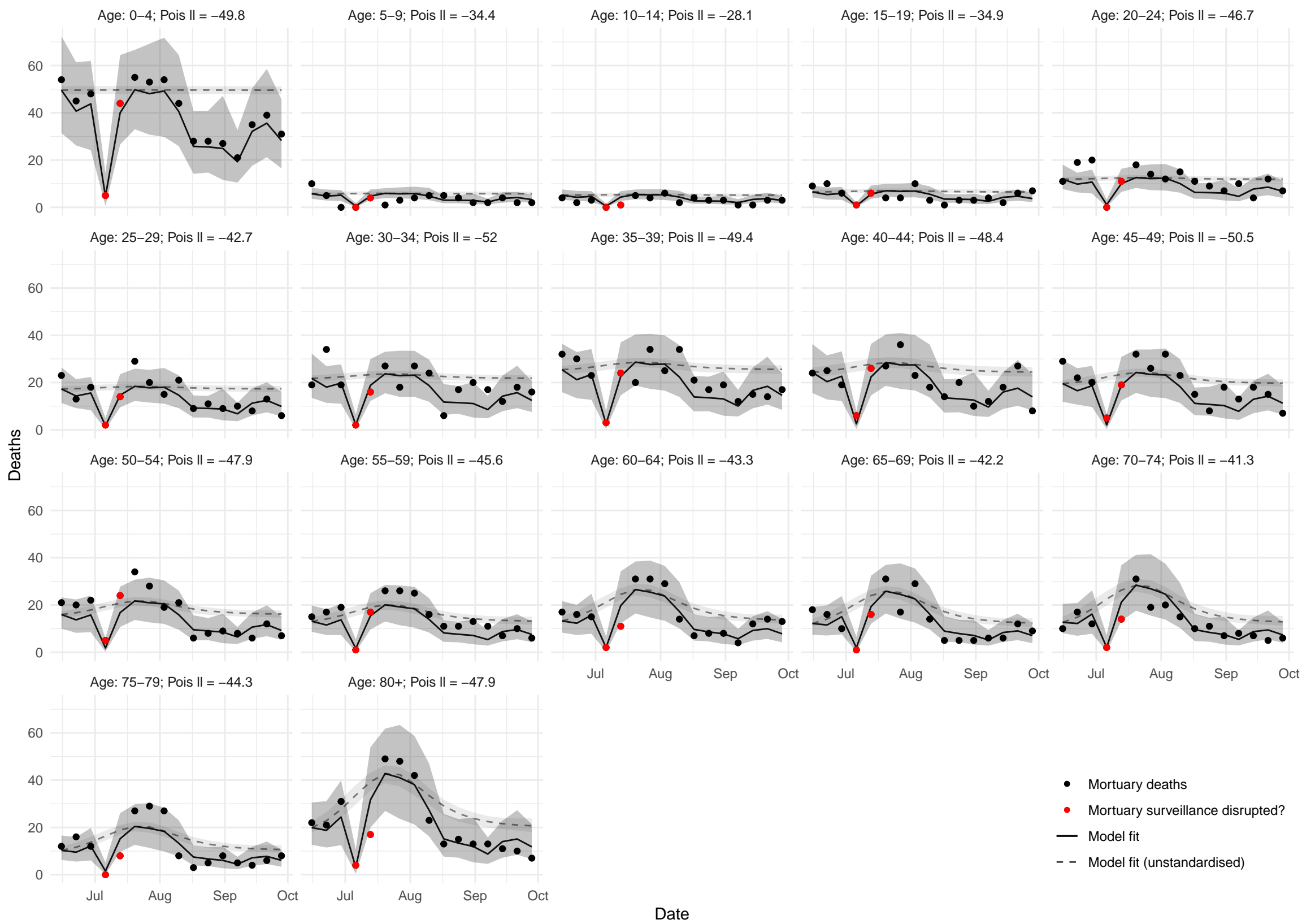
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 1.25, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka

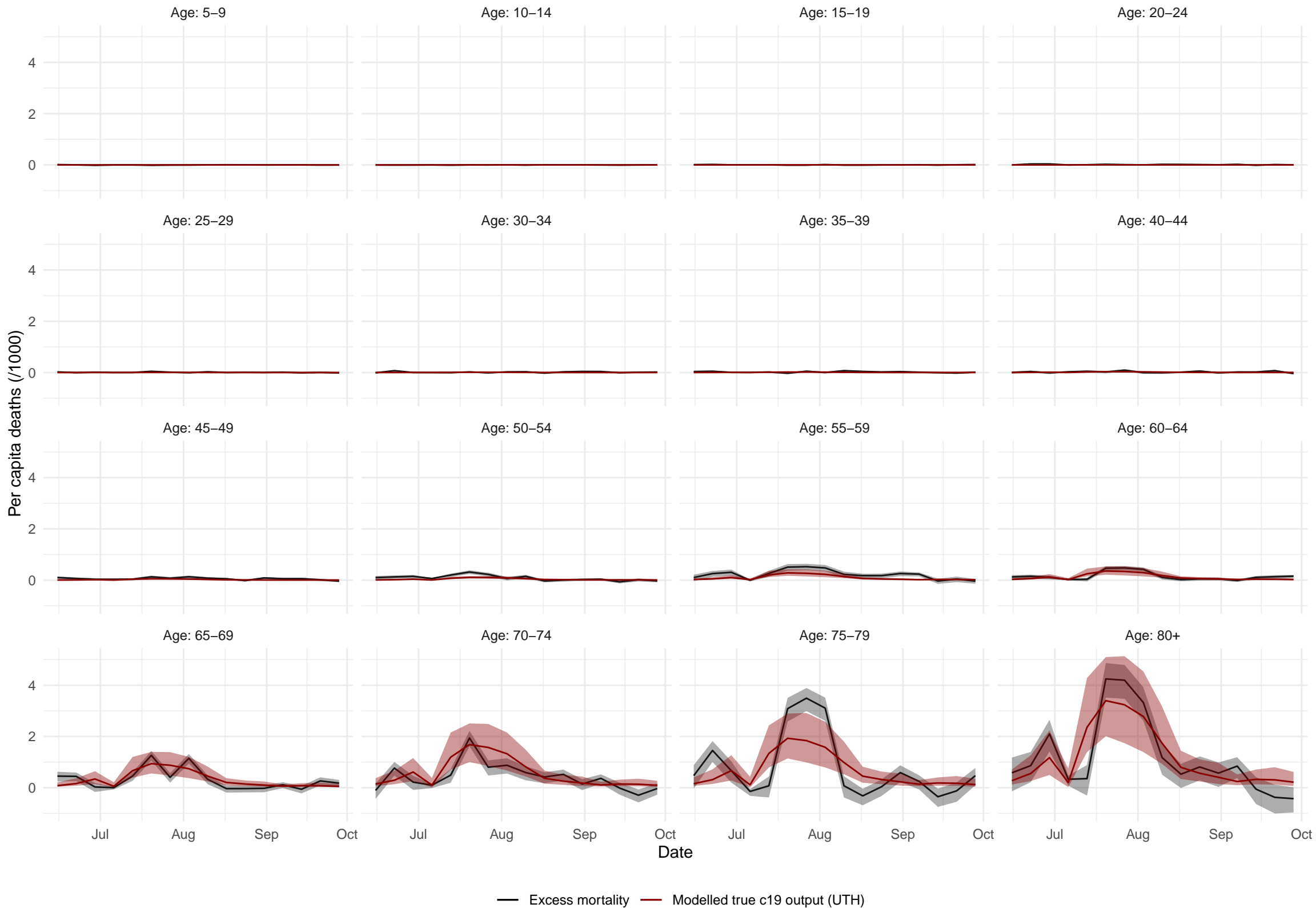


IFR x 1.25, Slope x 1.25
Modelled PCR % by age group (mid-week)

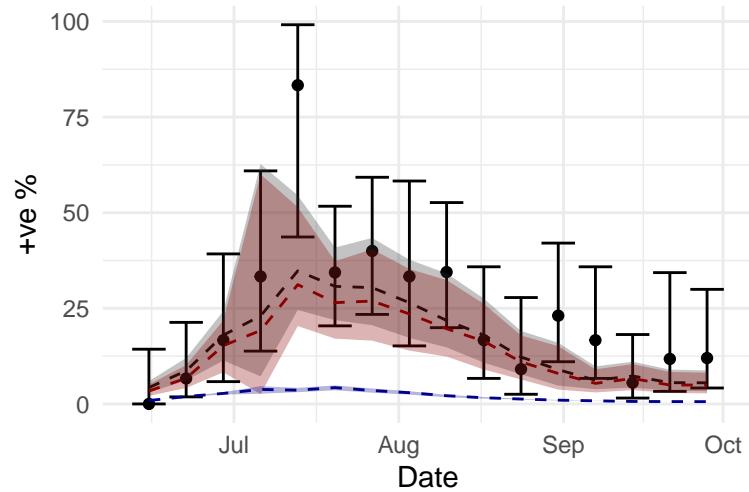




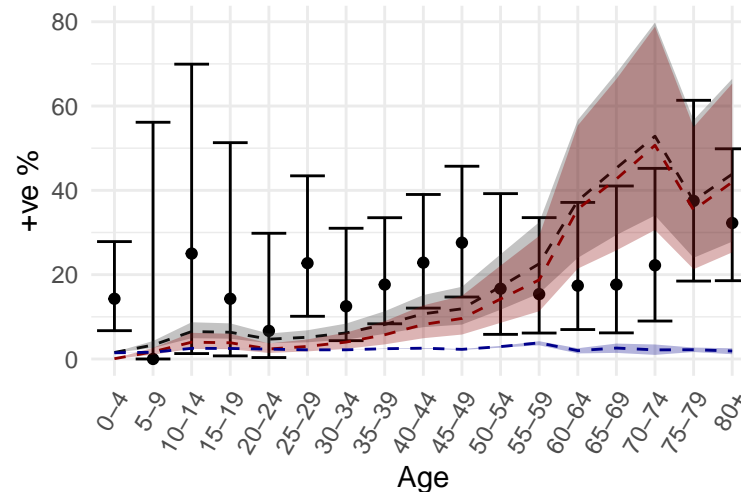
IFR x 1.25, Slope x 1.25
COVID-19 excess mortality: Comparison of MCMC results with squire results



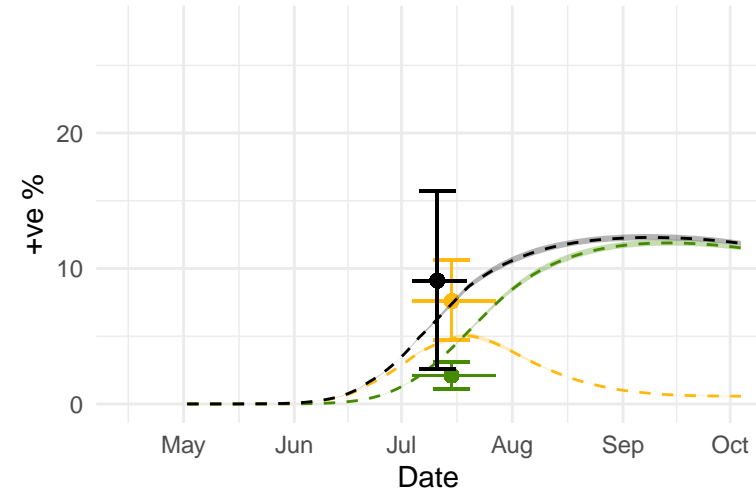
IFR x 1.67, Slope x 1.25
COVID-19 weekly prevalence
UTH mortuary



COVID-19 prevalence by age
UTH mortuary



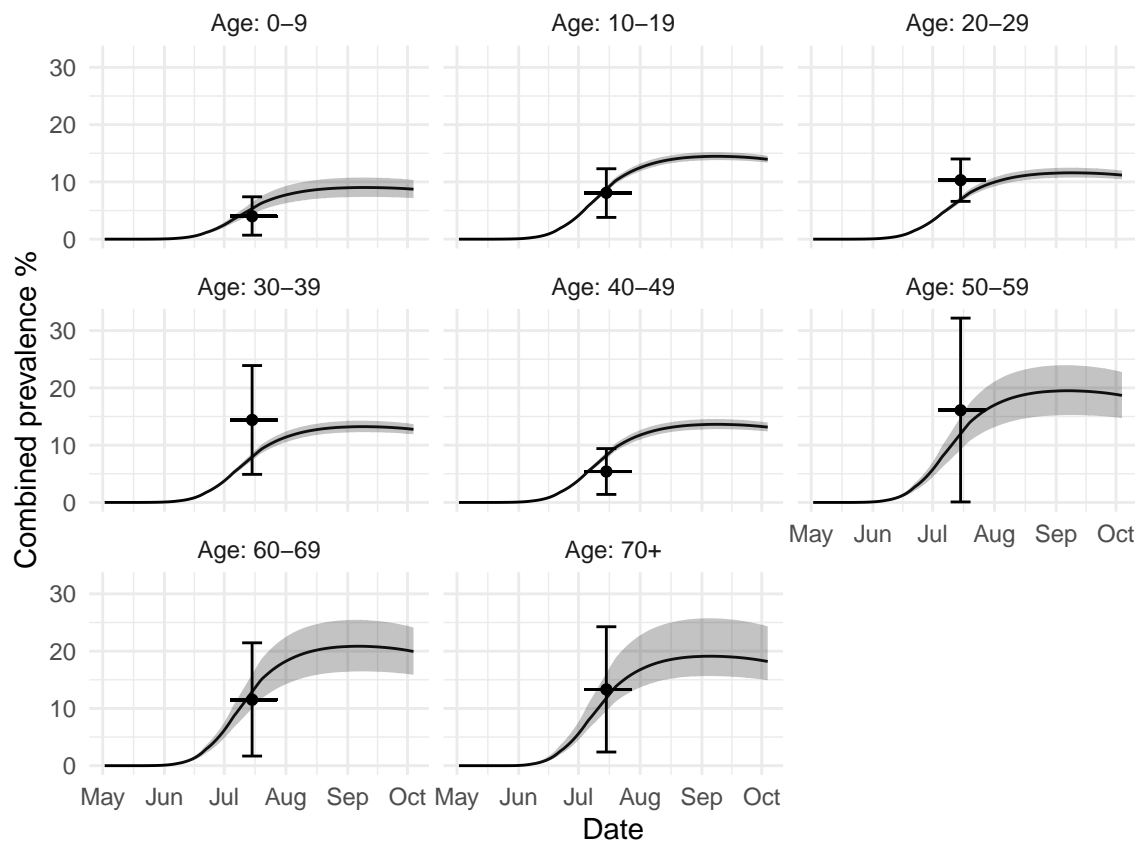
COVID-19 prevalence
Lusaka/Zambia



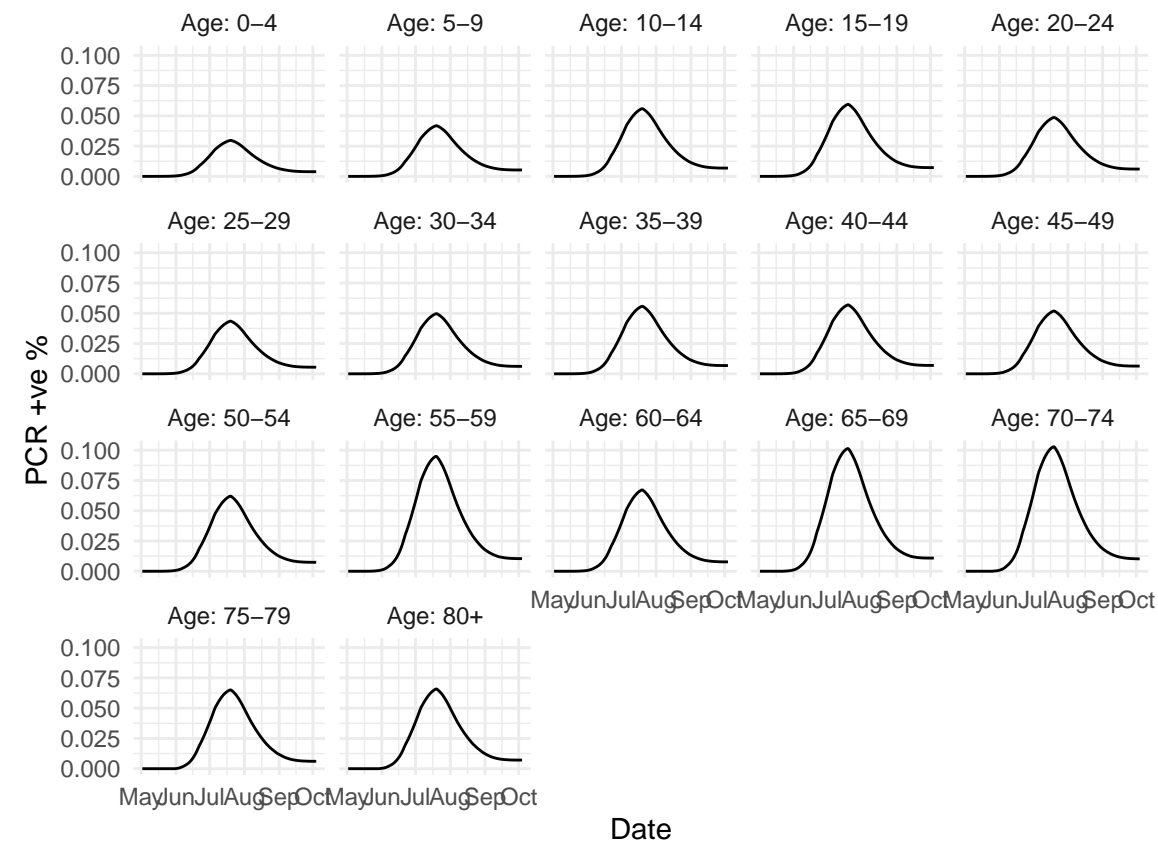
-- Total +ve deaths
-- Causal deaths
-- Coincidental deaths

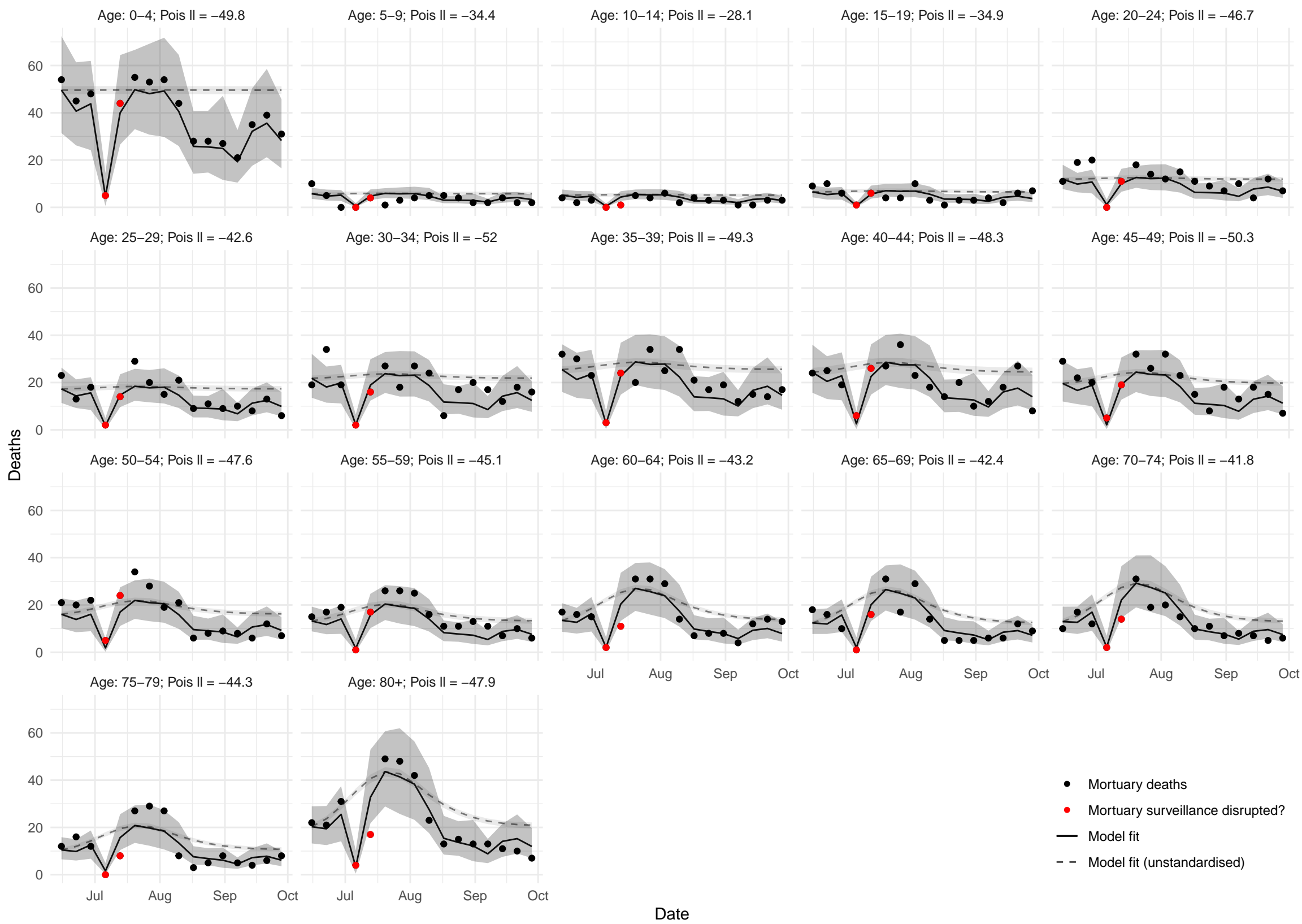
● Combined % (Lusaka)
● PCR % (Zambia)
● Sero % (Zambia)

IFR x 1.67, Slope x 1.25
Modelled COVID-19 Combined prevalence Lusaka



IFR x 1.67, Slope x 1.25
Modelled PCR % by age group (mid-week)





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

