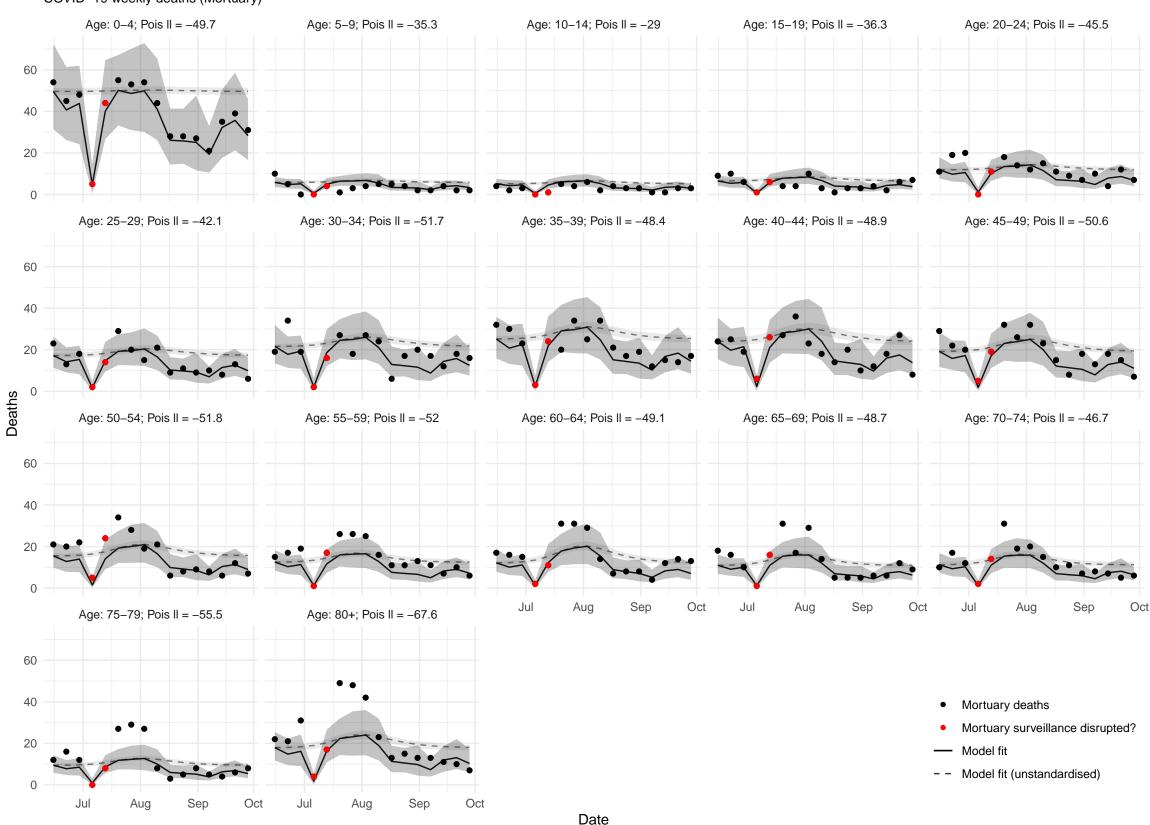
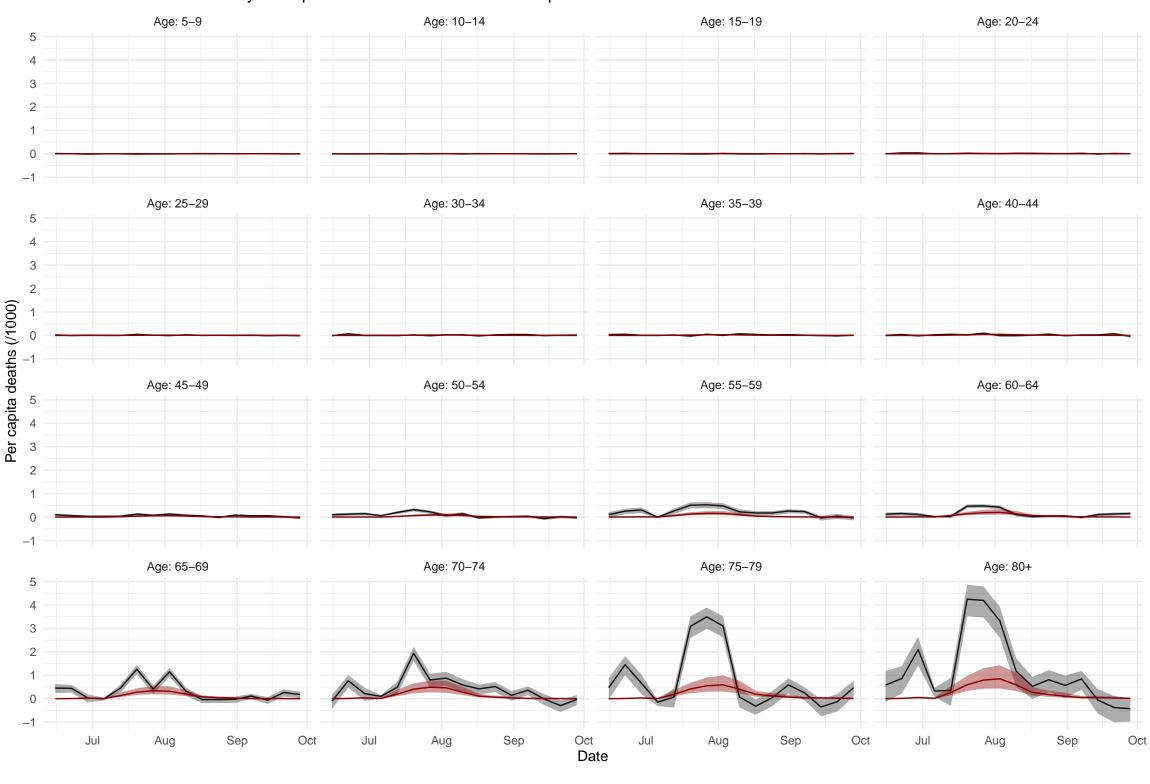
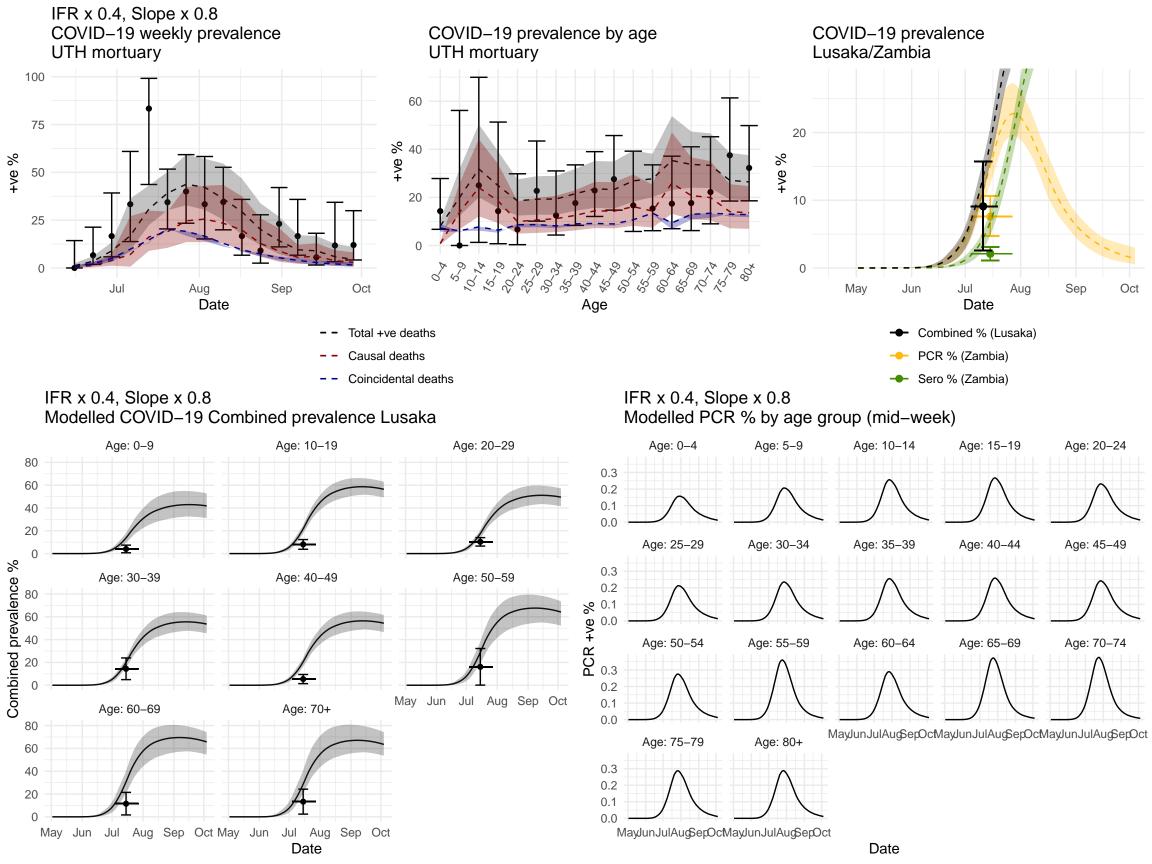


IFR x 0.2, Slope x 0.8 COVID–19 weekly deaths (Mortuary)

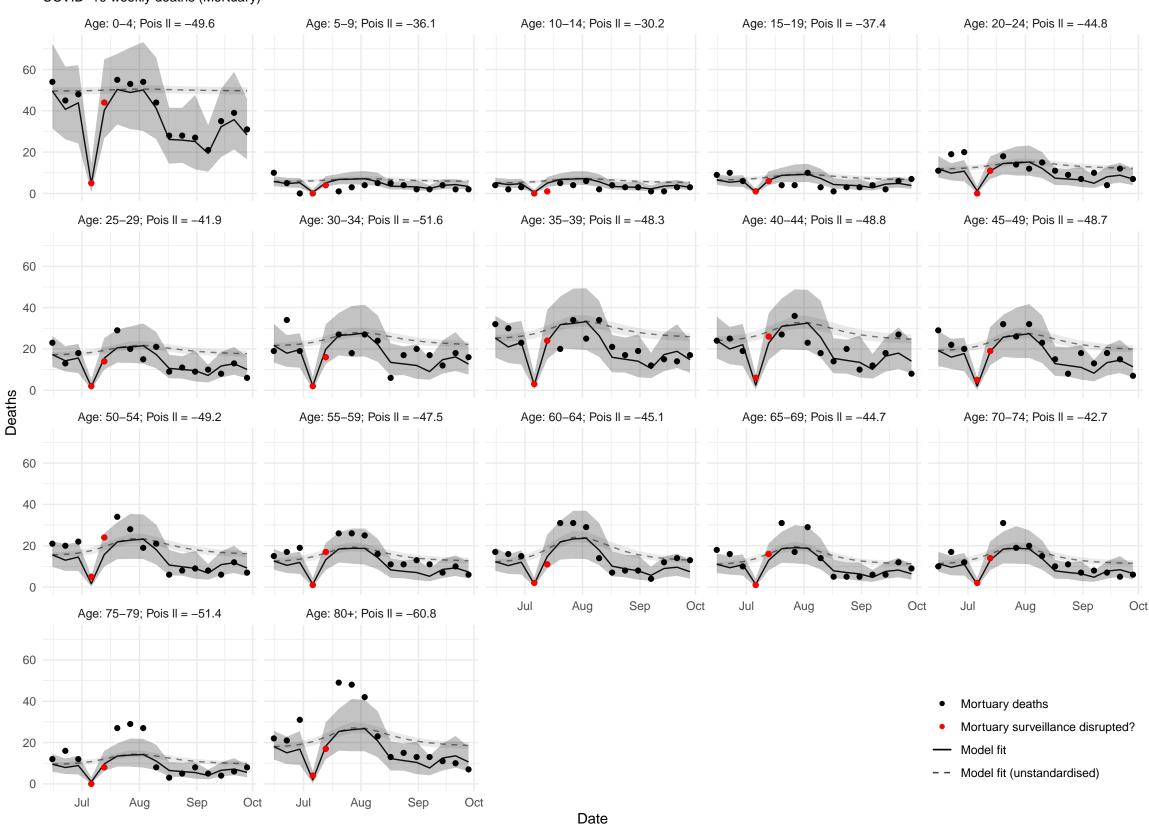


IFR x 0.2, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results

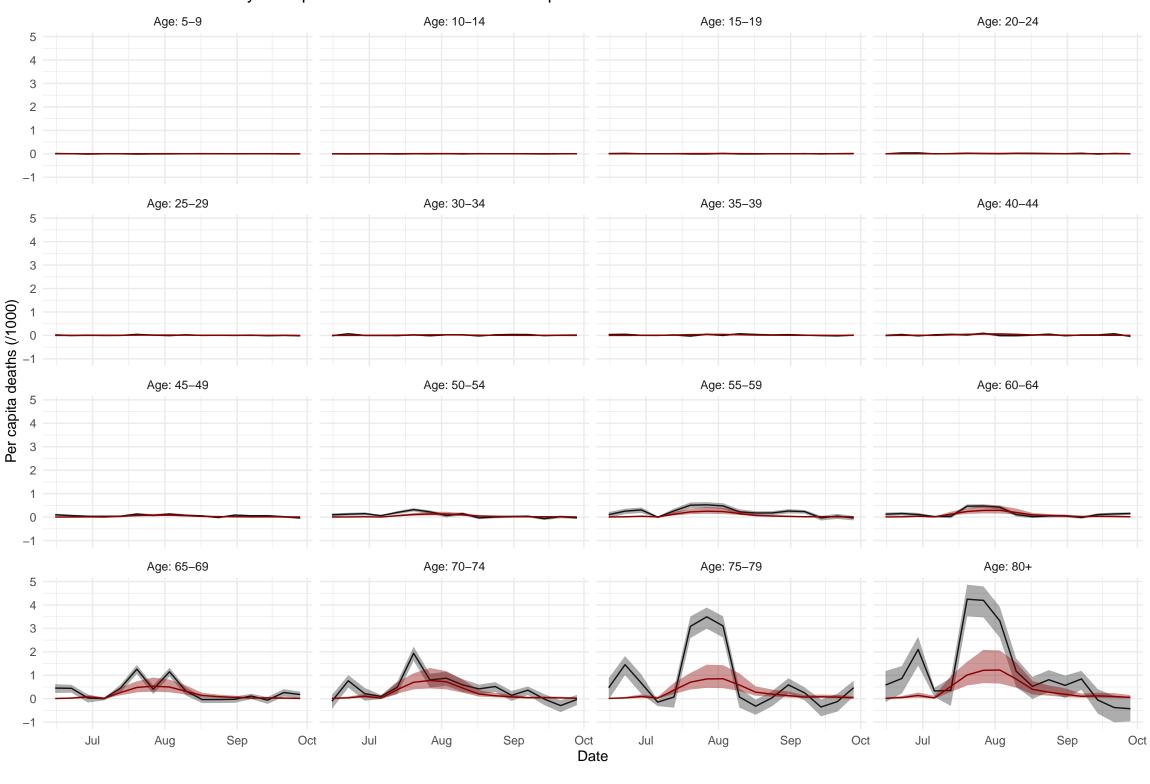


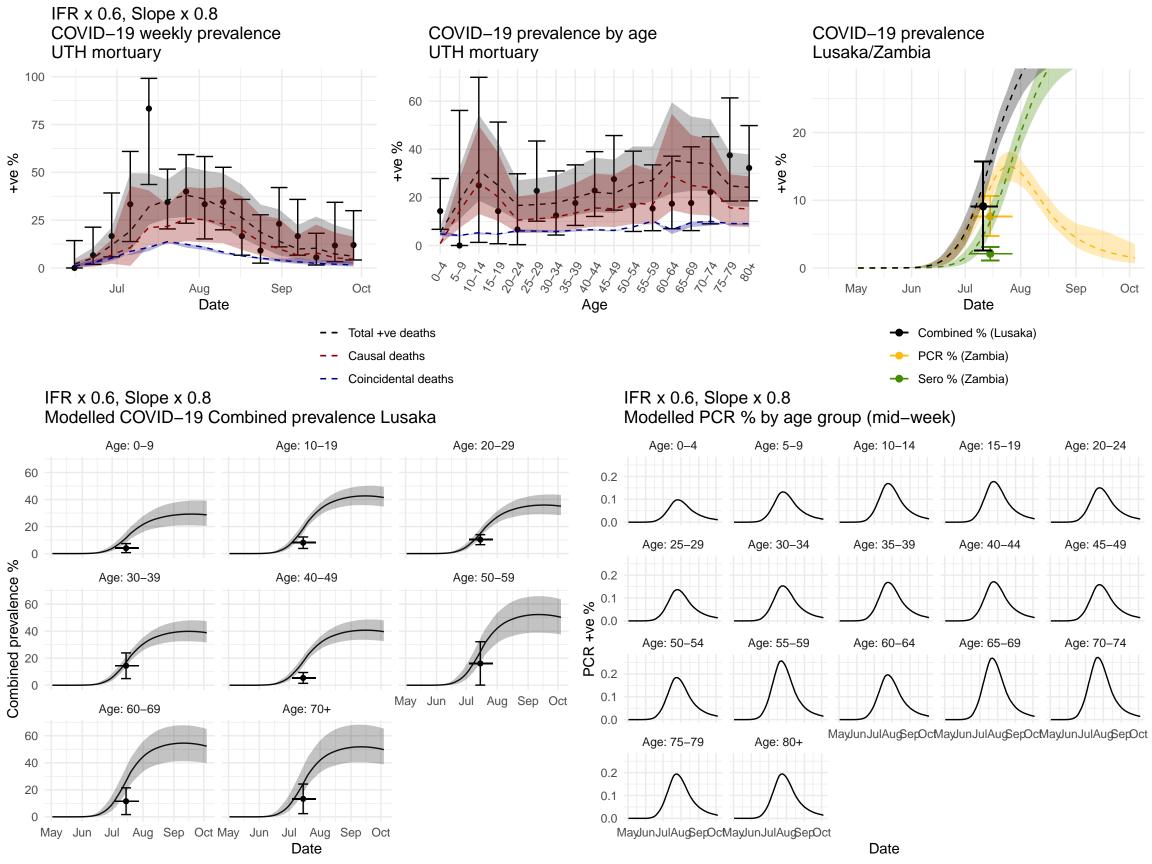


IFR x 0.4, Slope x 0.8 COVID-19 weekly deaths (Mortuary)



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 deaths (Mortuary) Age: 0-4; Pois II = -49.6Age: 5-9; Pois II = -36.3Age: 10-14; Pois II = -30.5Age: 15-19; Pois II = -37.4Age: 20-24; Pois II = -44.560 40 20 0 Age: 25-29; Pois II = -41.8 Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.4Age: 40-44; Pois II = -48.5Age: 45-49; Pois II = -48.360 40 20 Age: 50-54; Pois II = -48.1Age: 55-59; Pois II = -45.9Age: 60-64; Pois II = -44.2Age: 65-69; Pois II = -43.7Age: 70-74; Pois II = -41.660 40 Aug Sep Oct Aug Sep Aug Jul Jul Oct Sep Oct Age: 75-79; Pois II = -50.7Age: 80+; Pois II = -59.460

Oct

Sep

Deaths

40

20

Aug

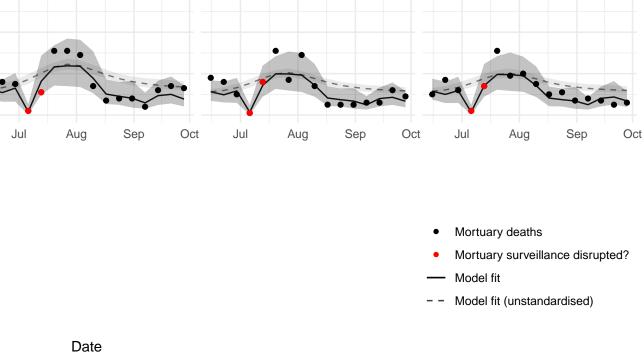
Jul

Oct

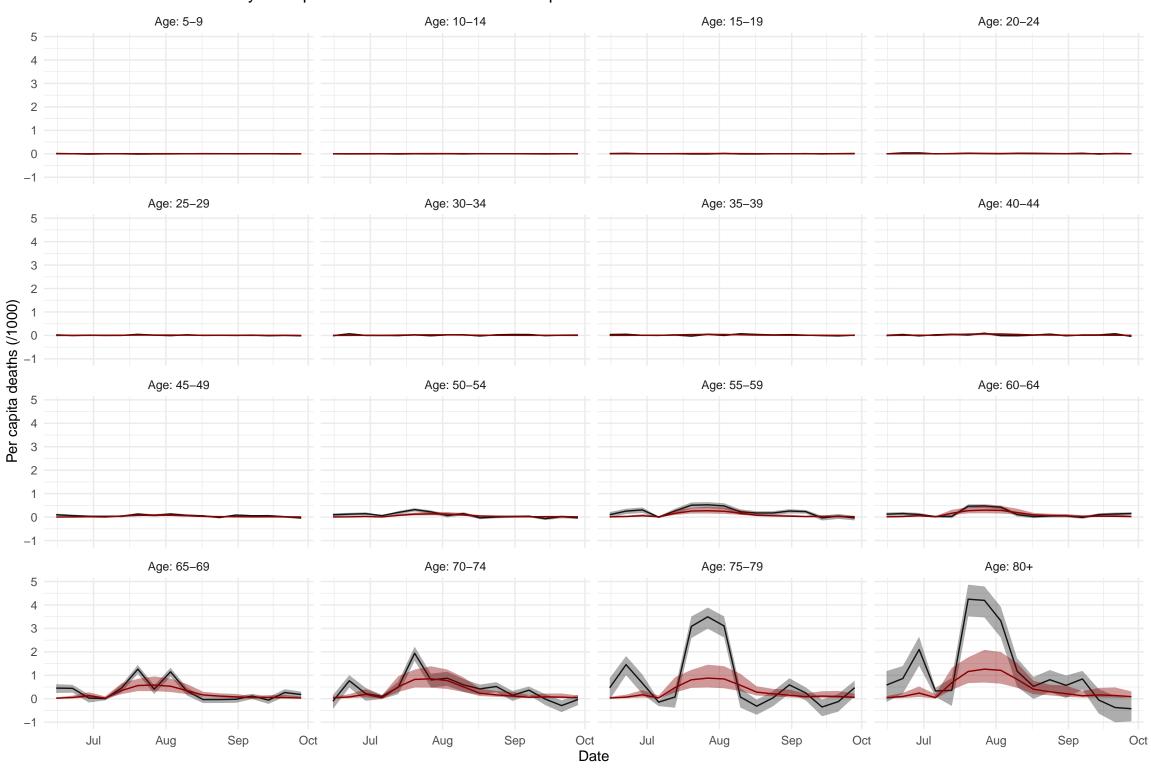
Jul

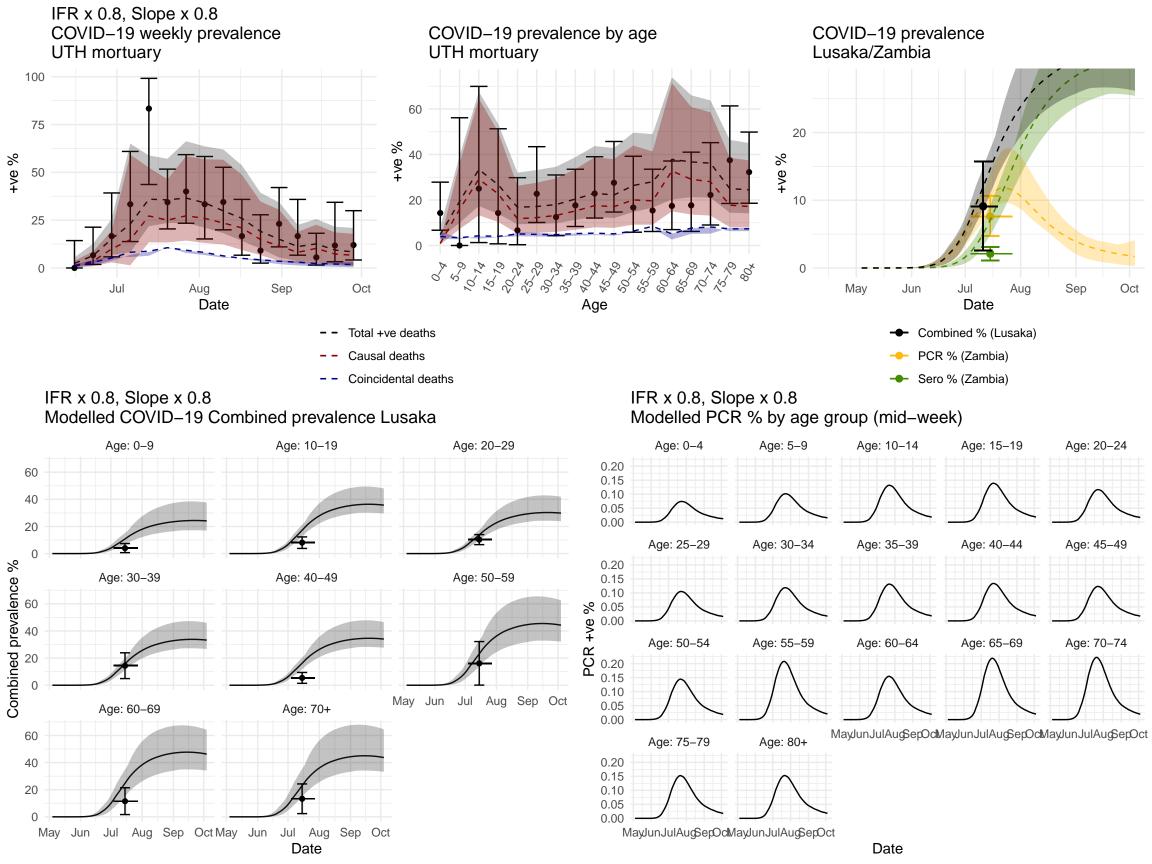
Aug

Sep

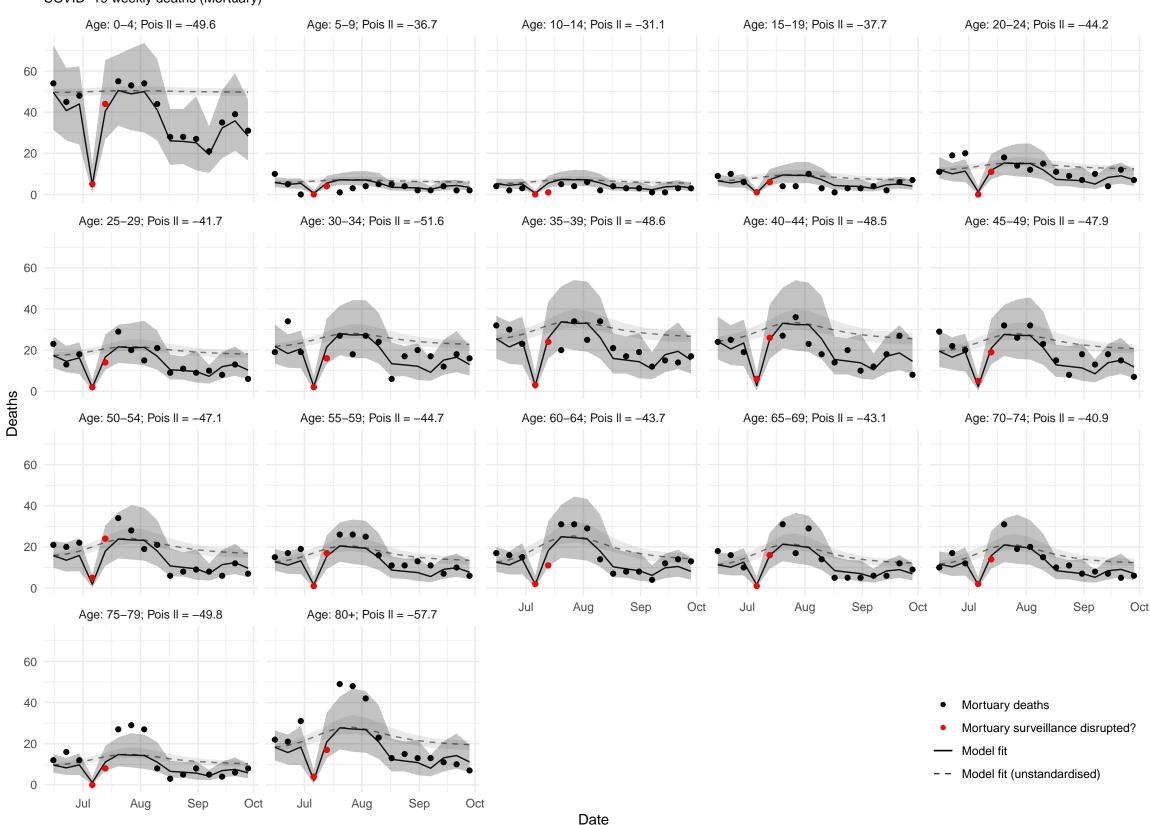


IFR x 0.6, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results

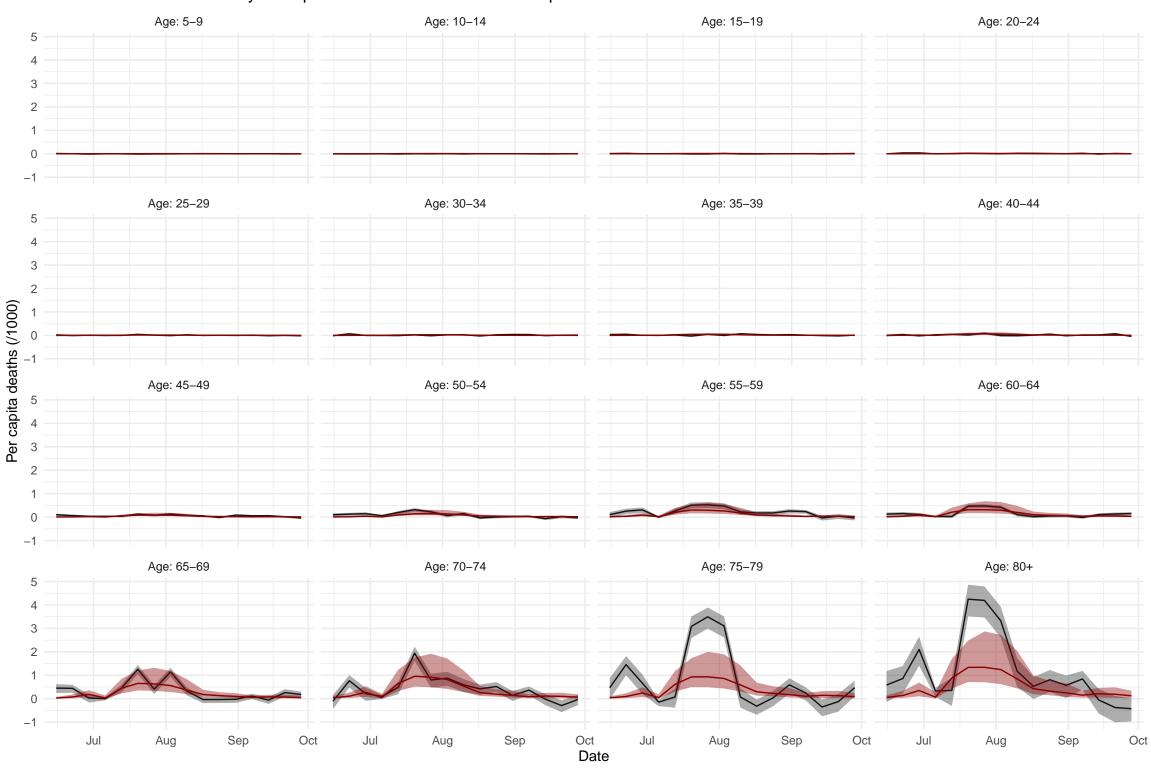


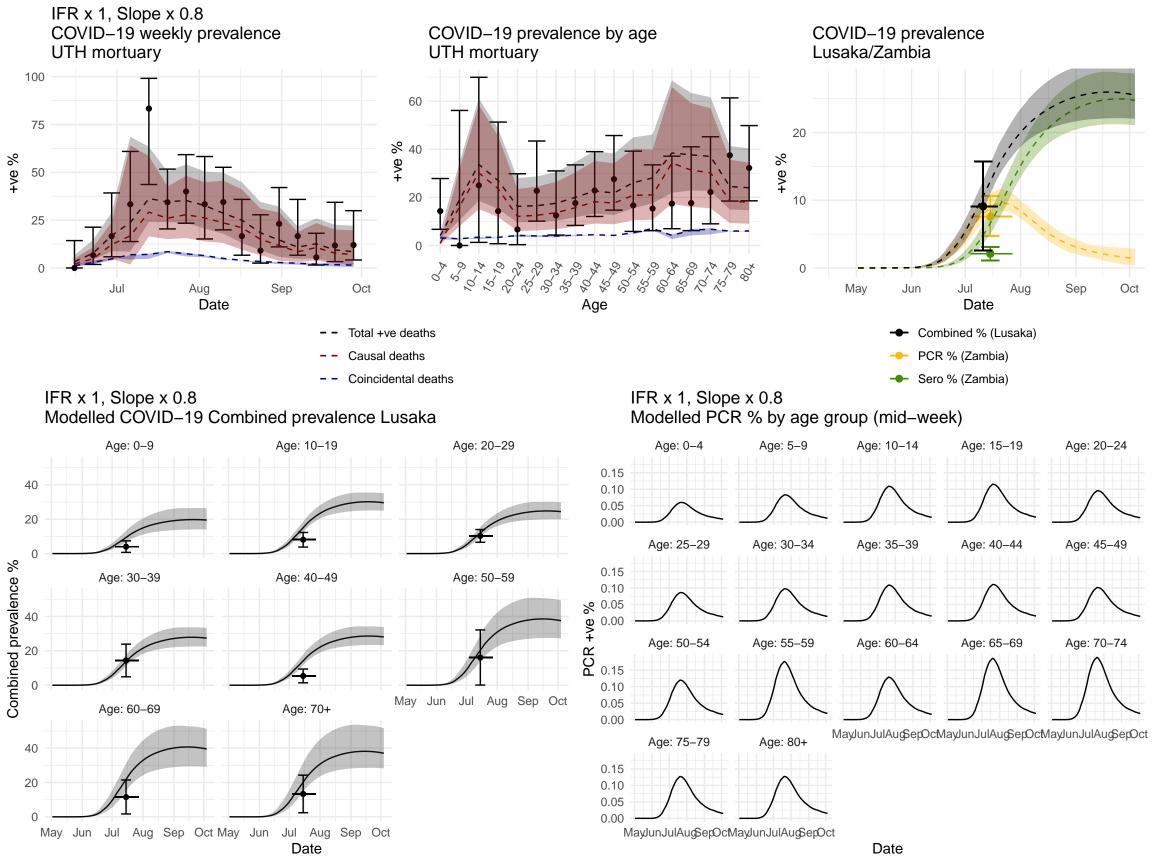


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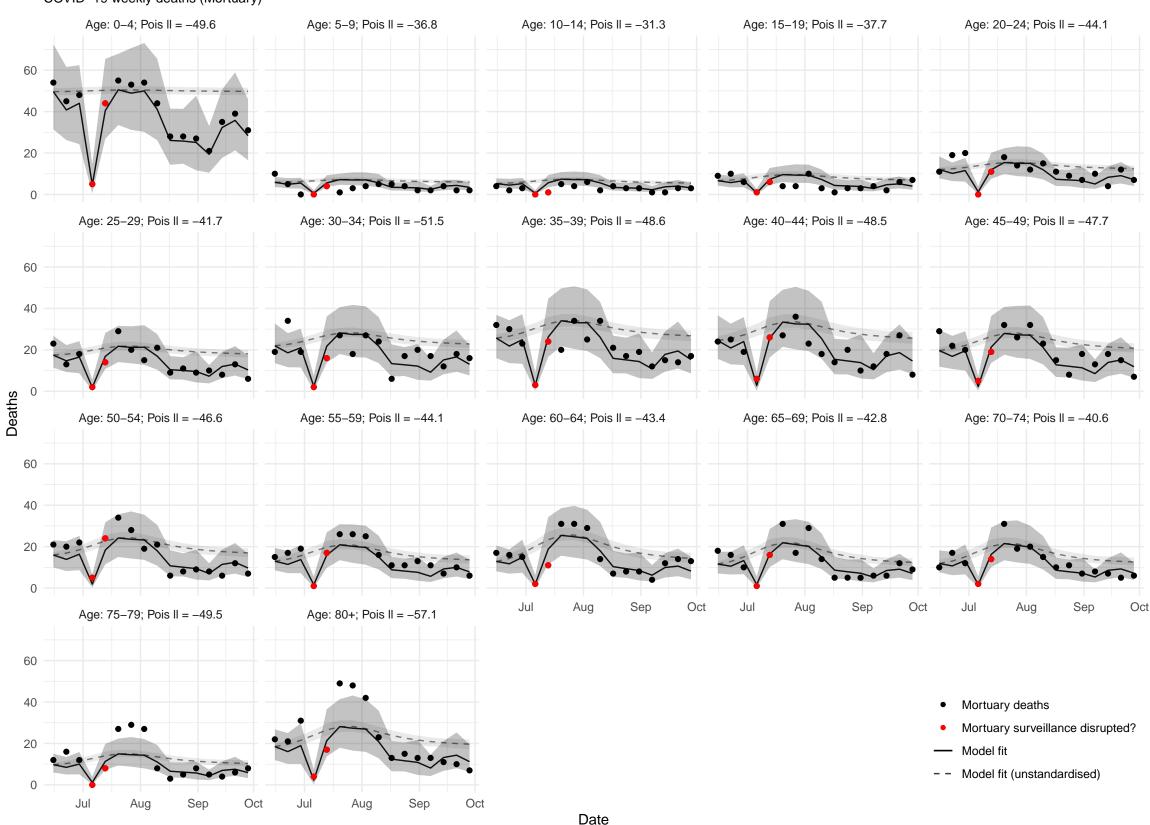


IFR x 0.8, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results

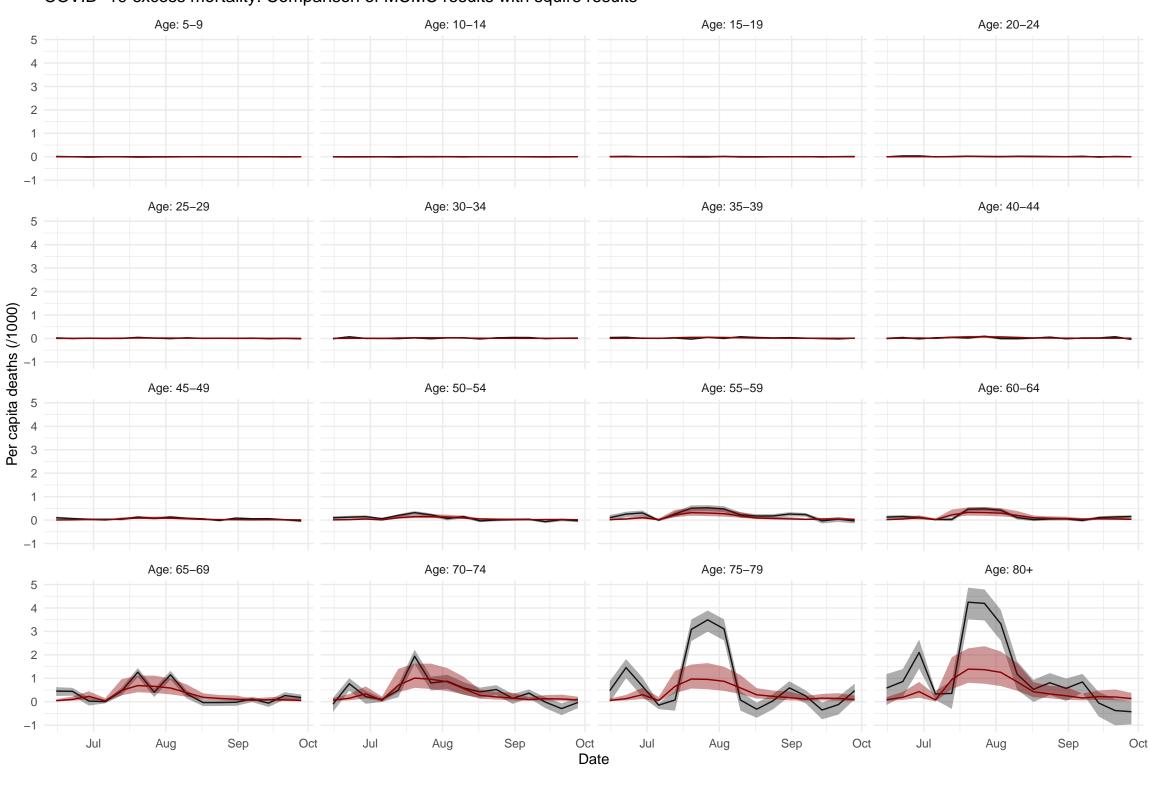


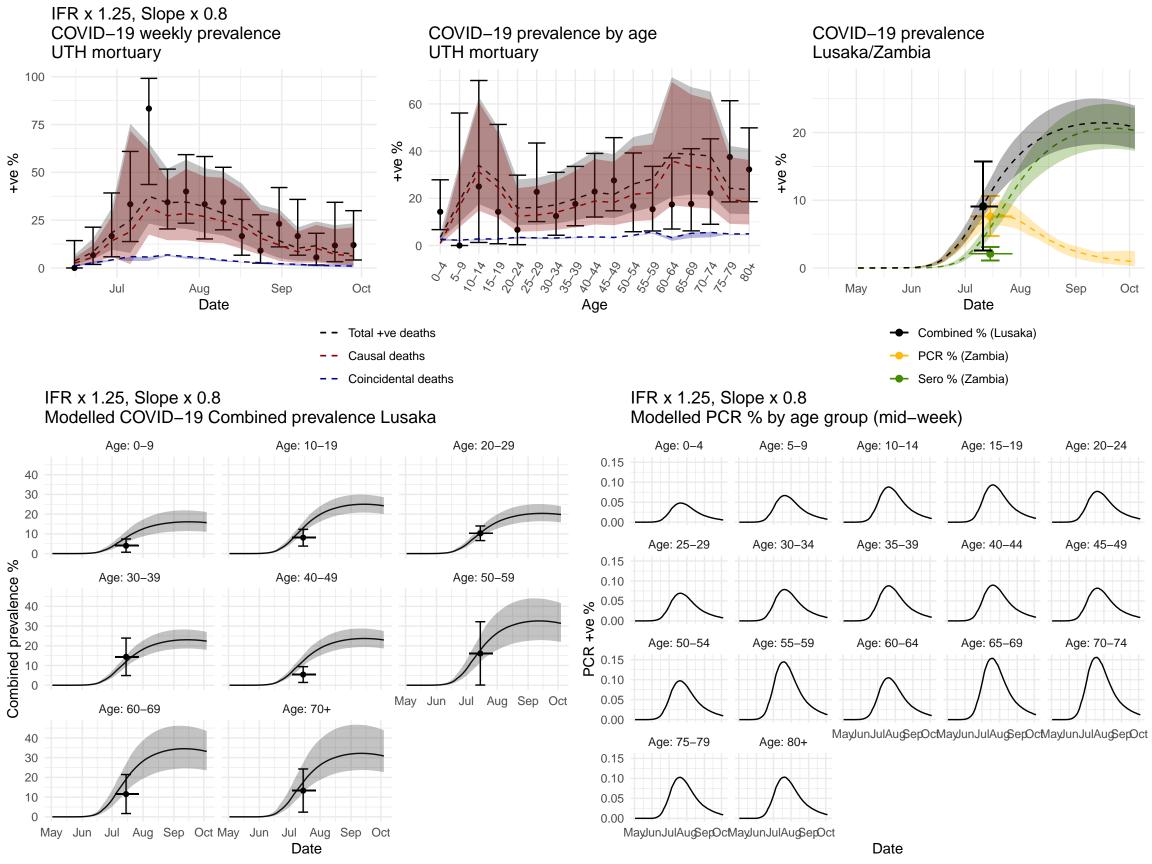


IFR x 1, Slope x 0.8 COVID–19 weekly deaths (Mortuary)

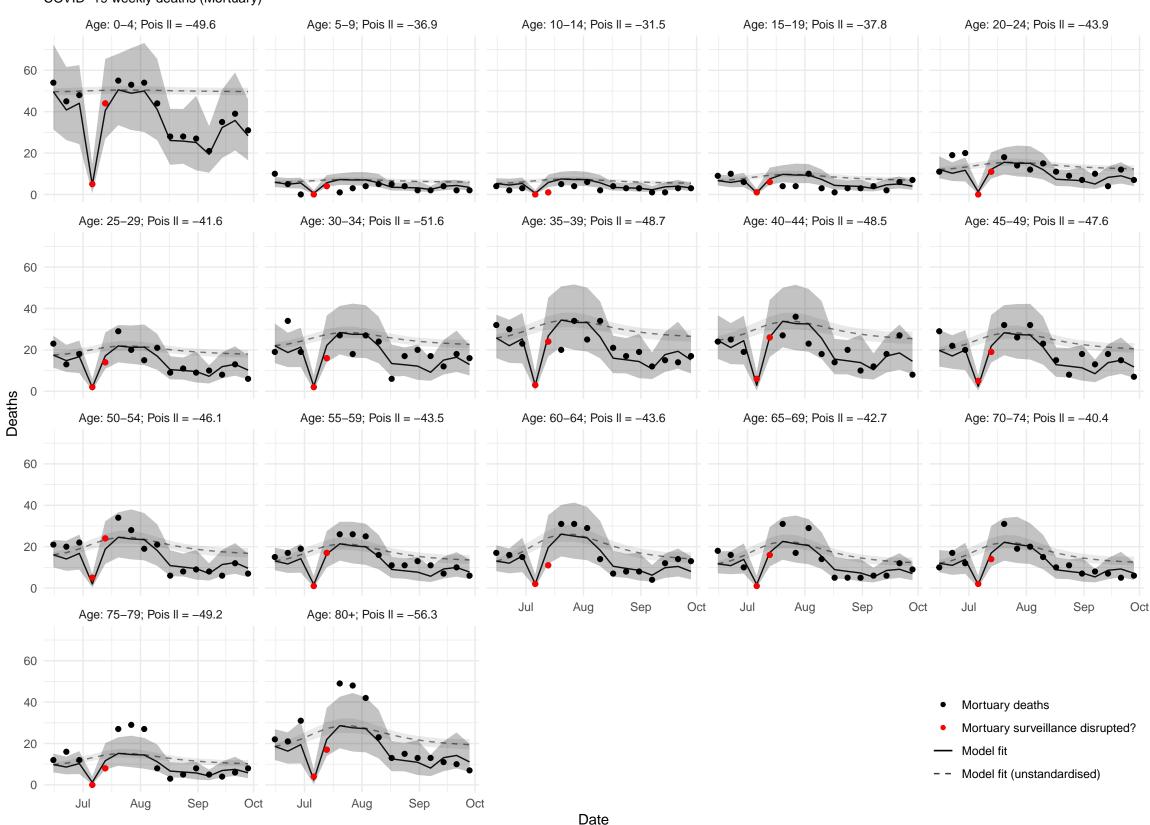


IFR x 1, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results

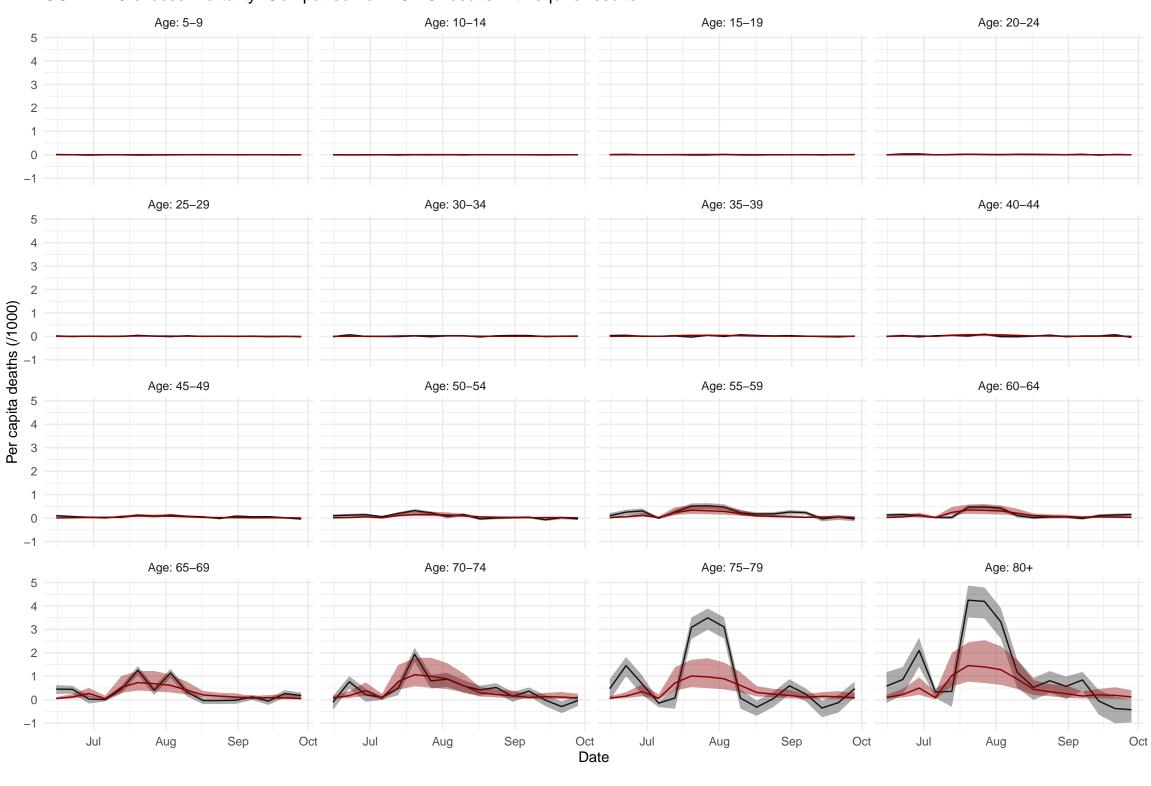


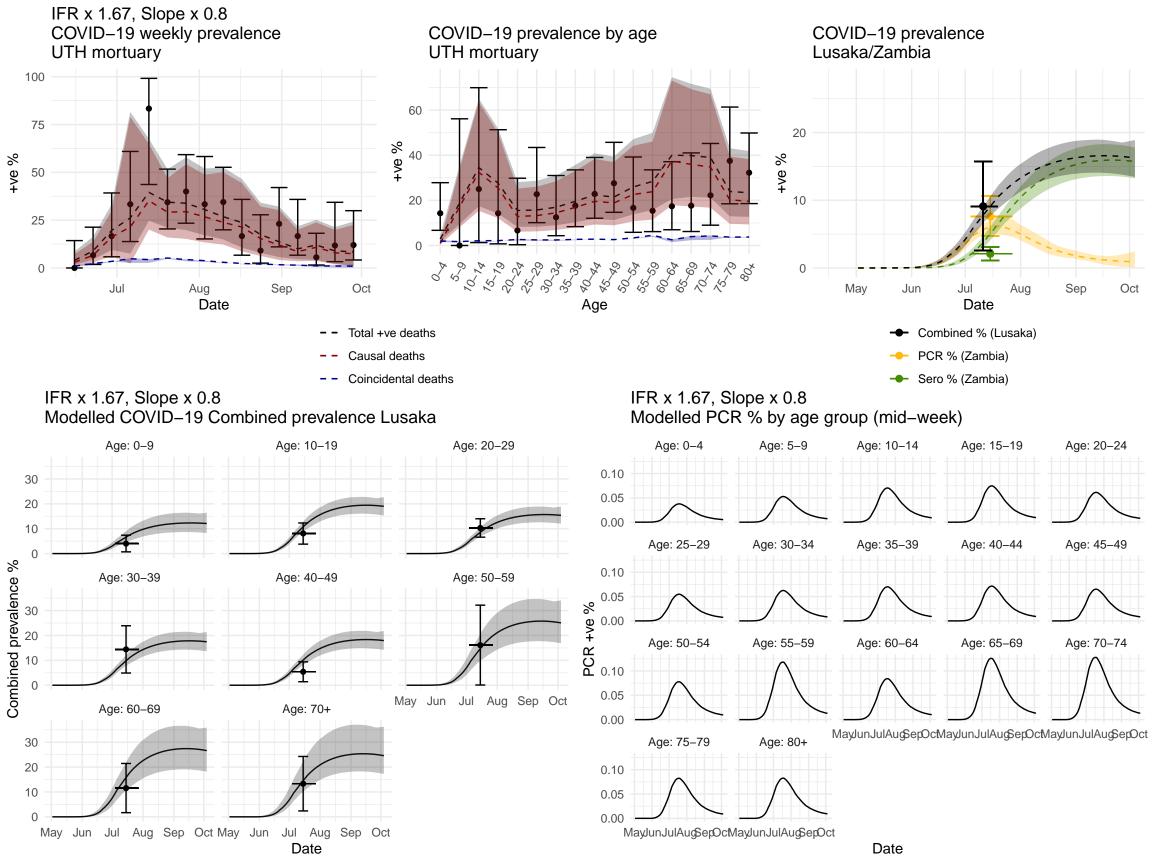


IFR x 1.25, Slope x 0.8 COVID-19 weekly deaths (Mortuary)

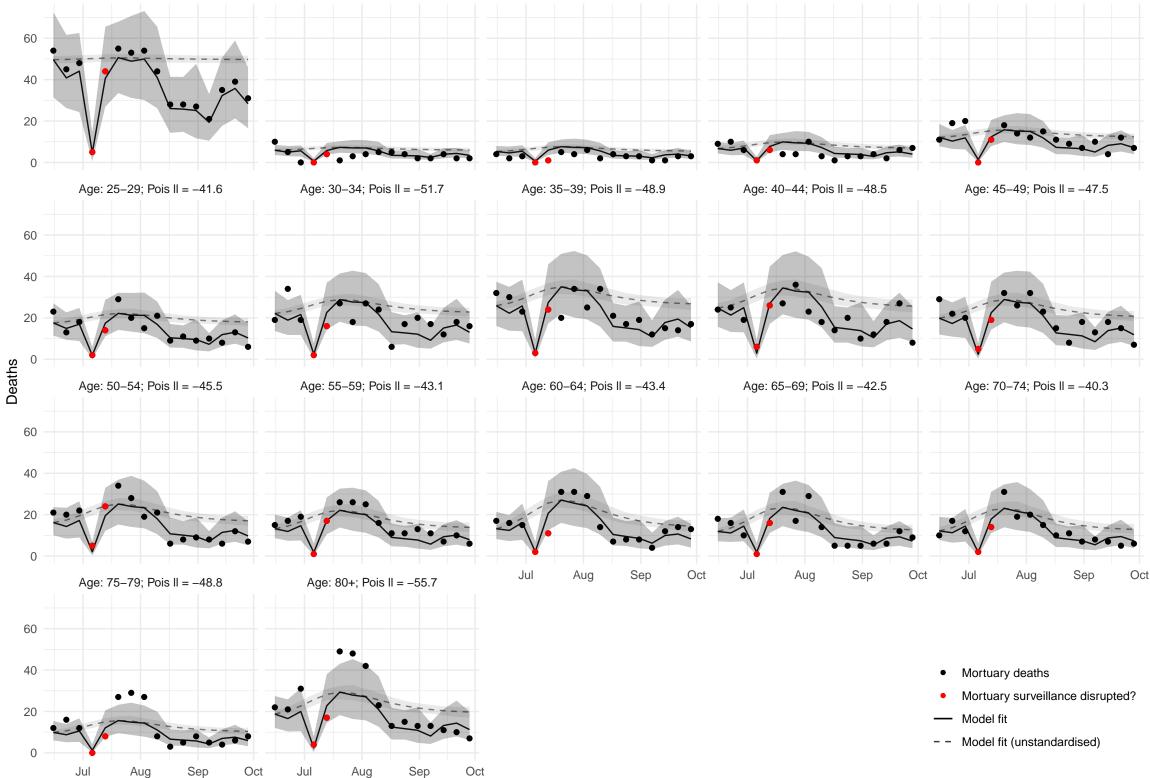


IFR x 1.25, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results



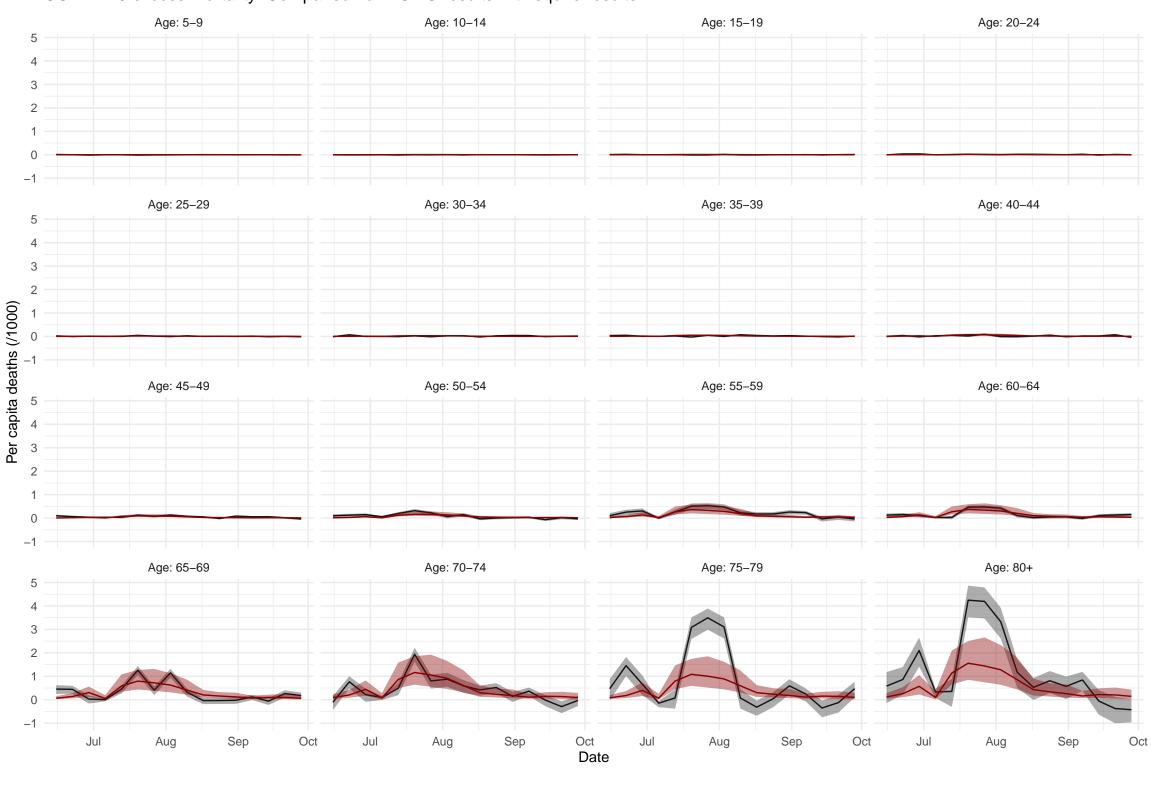


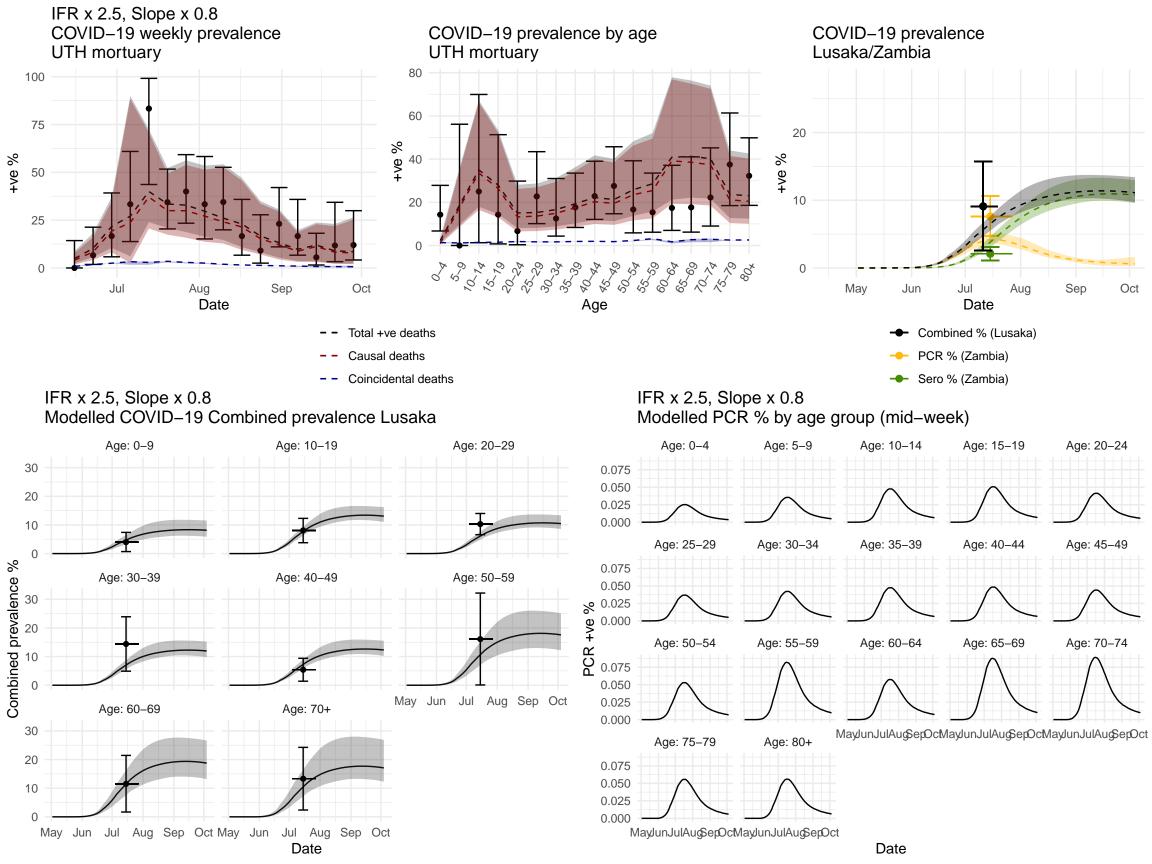
IFR x 1.67, Slope x 0.8 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.6Age: 5-9; Pois II = -37.1Age: 10-14; Pois II = -31.8Age: 15-19; Pois II = -37.8Age: 20-24; Pois II = -43.860 40



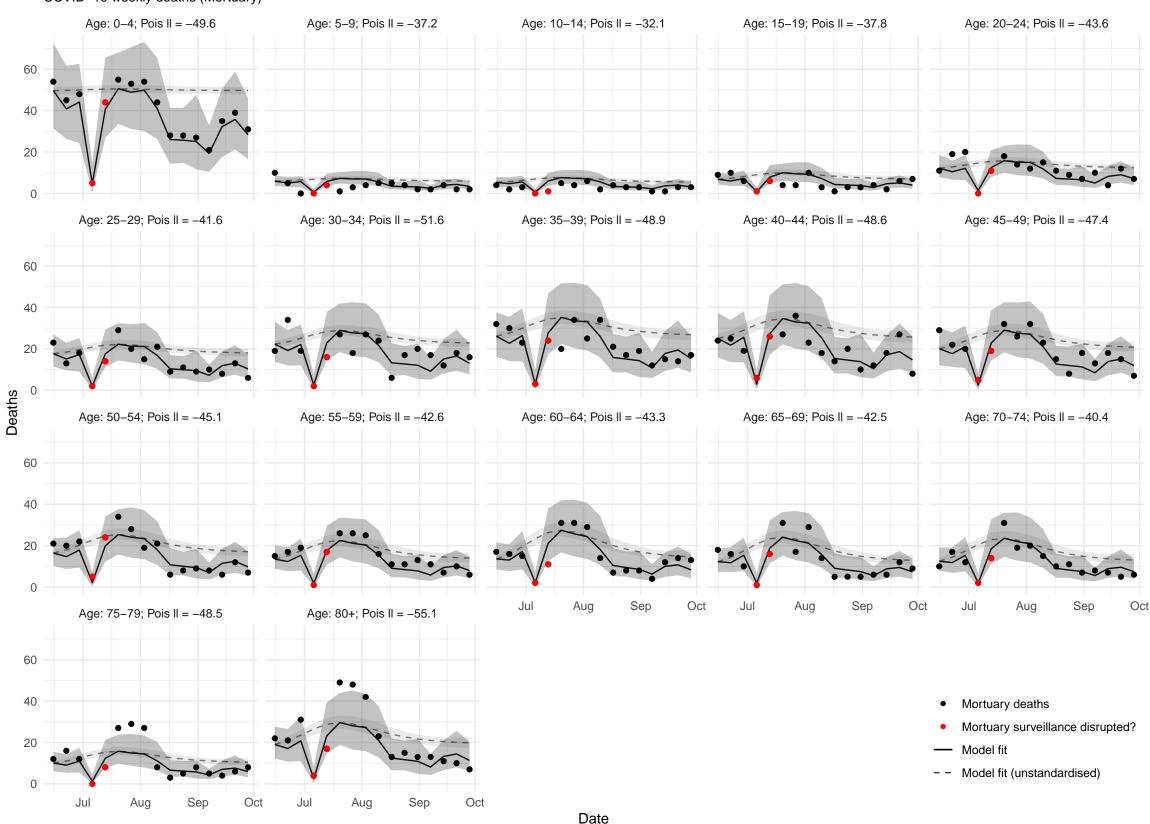
Date

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

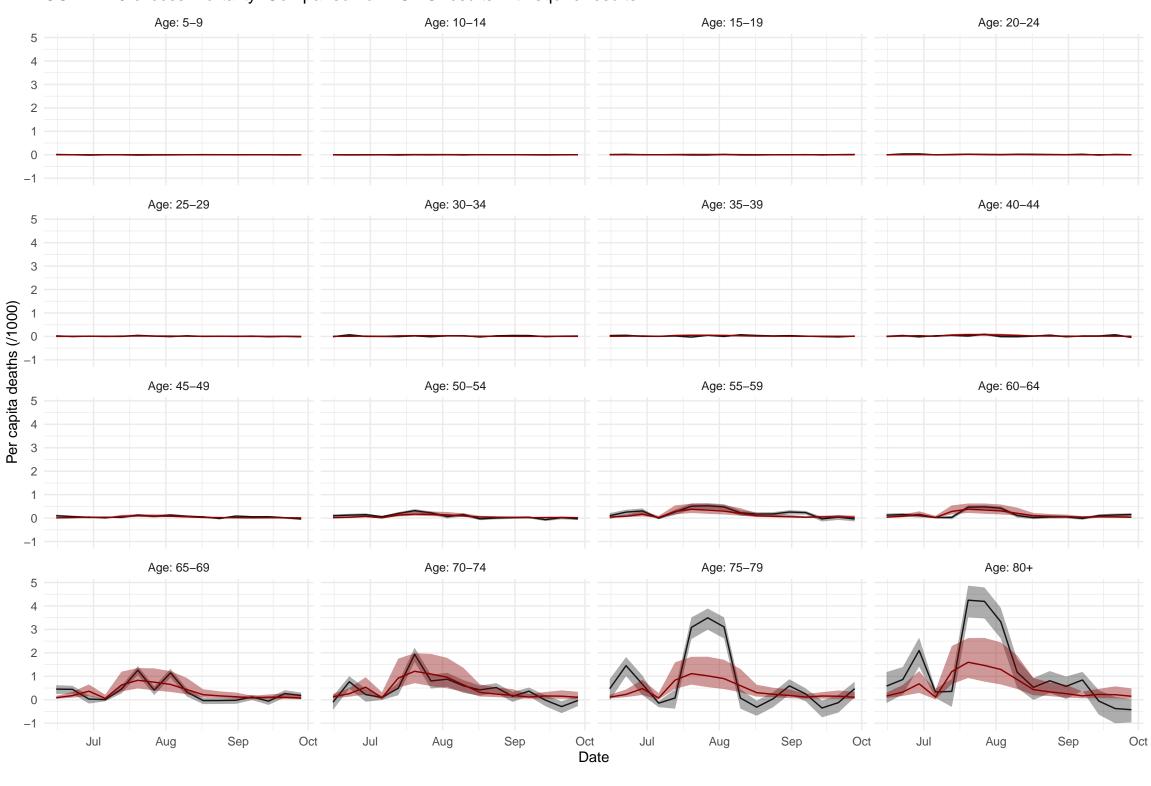


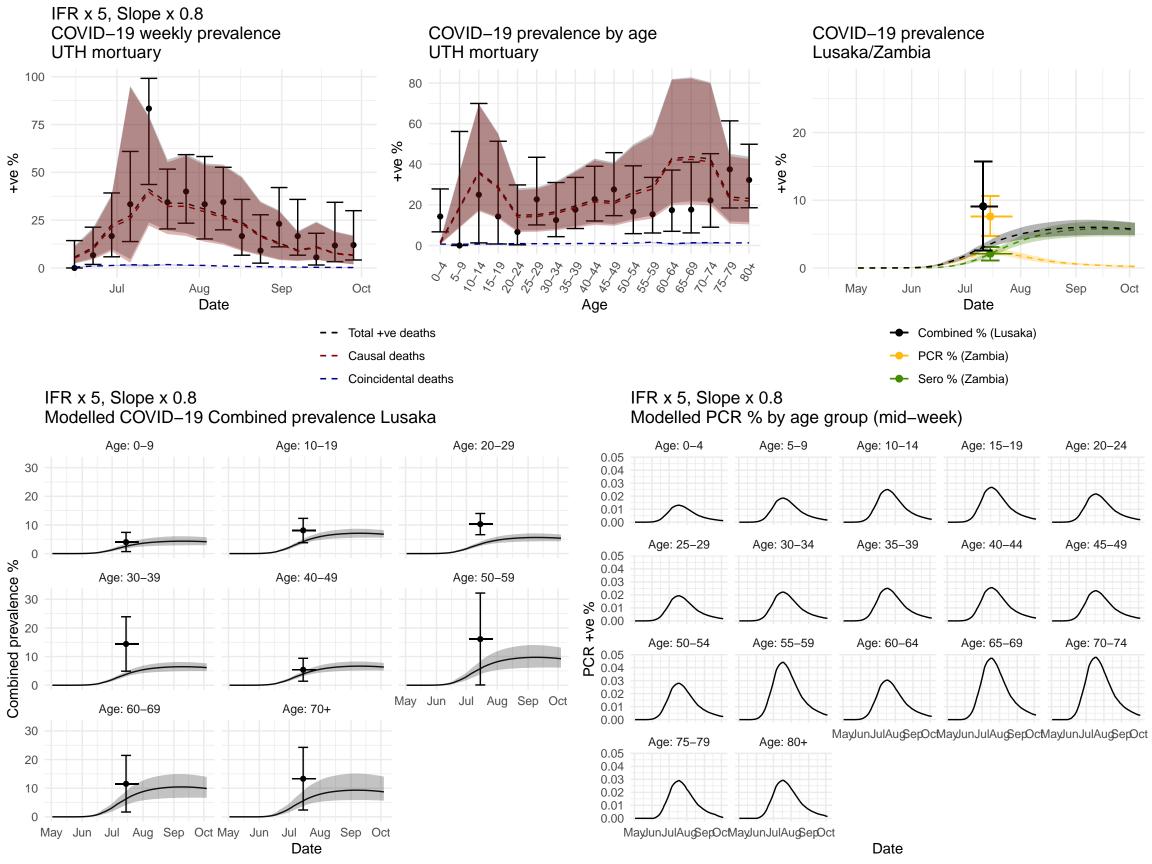


IFR x 2.5, Slope x 0.8 COVID-19 weekly deaths (Mortuary)

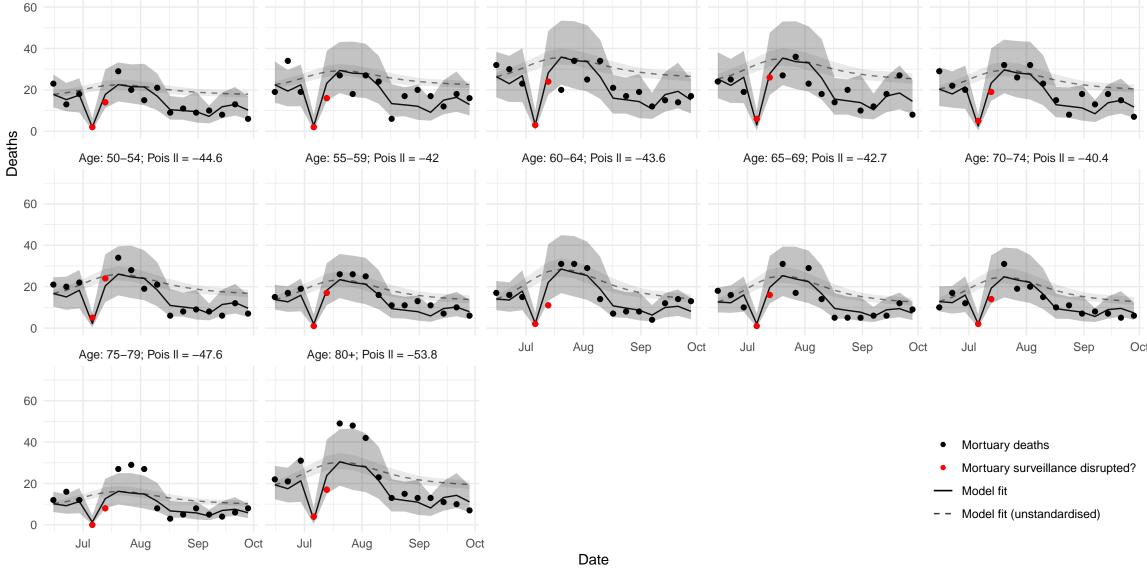


IFR x 2.5, Slope x 0.8 COVID–19 excess mortality: Comparison of MCMC results with squire results

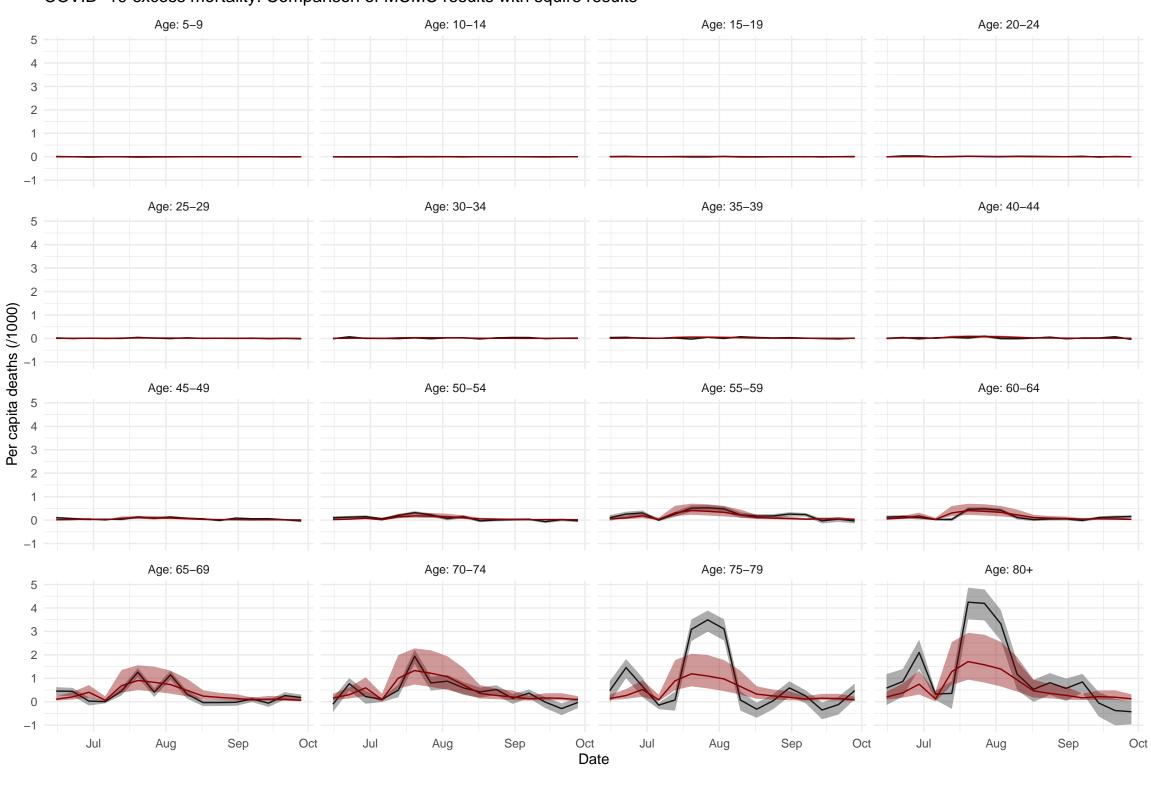


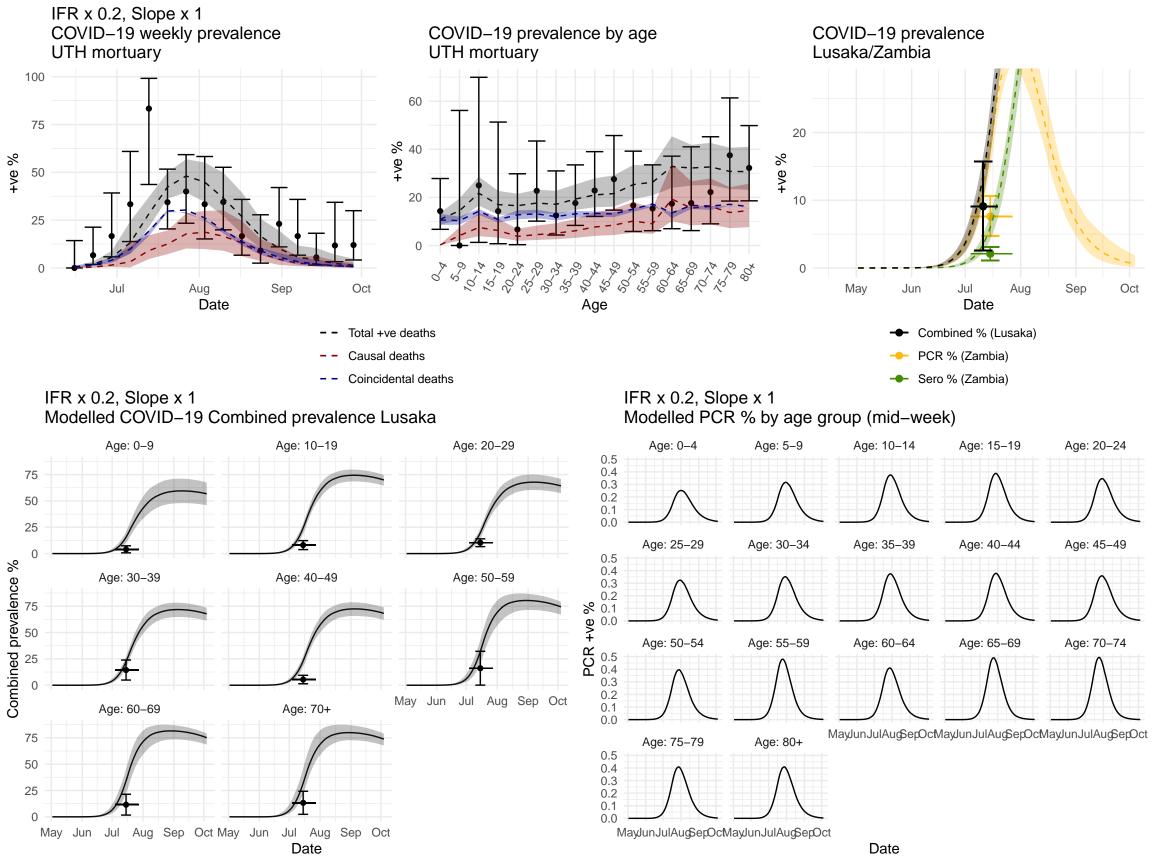


IFR x 5, Slope x 0.8 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.6Age: 5-9; Pois II = -37.3Age: 10-14; Pois II = -32.4Age: 15-19; Pois II = -38.1Age: 20-24; Pois II = -43.560 40 20 0 Age: 25-29; Pois II = -41.6Age: 30-34; Pois II = -51.8Age: 35-39; Pois II = -49Age: 40-44; Pois II = -48.9Age: 45-49; Pois II = -47.2Age: 50-54; Pois II = -44.6Age: 55-59; Pois II = -42Age: 60-64; Pois II = -43.6Age: 65-69; Pois II = -42.7Age: 70-74; Pois II = -40.40 Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -47.6Age: 80+; Pois II = -53.8



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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -34.6Age: 10-14; Pois II = -28.2Age: 15-19; Pois II = -35.4Age: 20-24; Pois II = -46.360 40 20 0 Age: 25-29; Pois II = -42.4Age: 30-34; Pois II = -51.8Age: 35-39; Pois II = -48.8Age: 40-44; Pois II = -48.9Age: 45-49; Pois II = -50.960 40 20 Age: 50-54; Pois II = -51.6Age: 55-59; Pois II = -51.3Age: 60-64; Pois II = -47.3Age: 65-69; Pois II = -46.4Age: 70-74; Pois II = -44.160 40 Aug Sep Oct Aug Sep Aug Sep Oct Jul Jul Oct Age: 75-79; Pois II = -51Age: 80+; Pois II = -59.360 40 Mortuary deaths Mortuary surveillance disrupted?

Deaths

Jul

Aug

Oct

Jul

Aug

Sep

Date

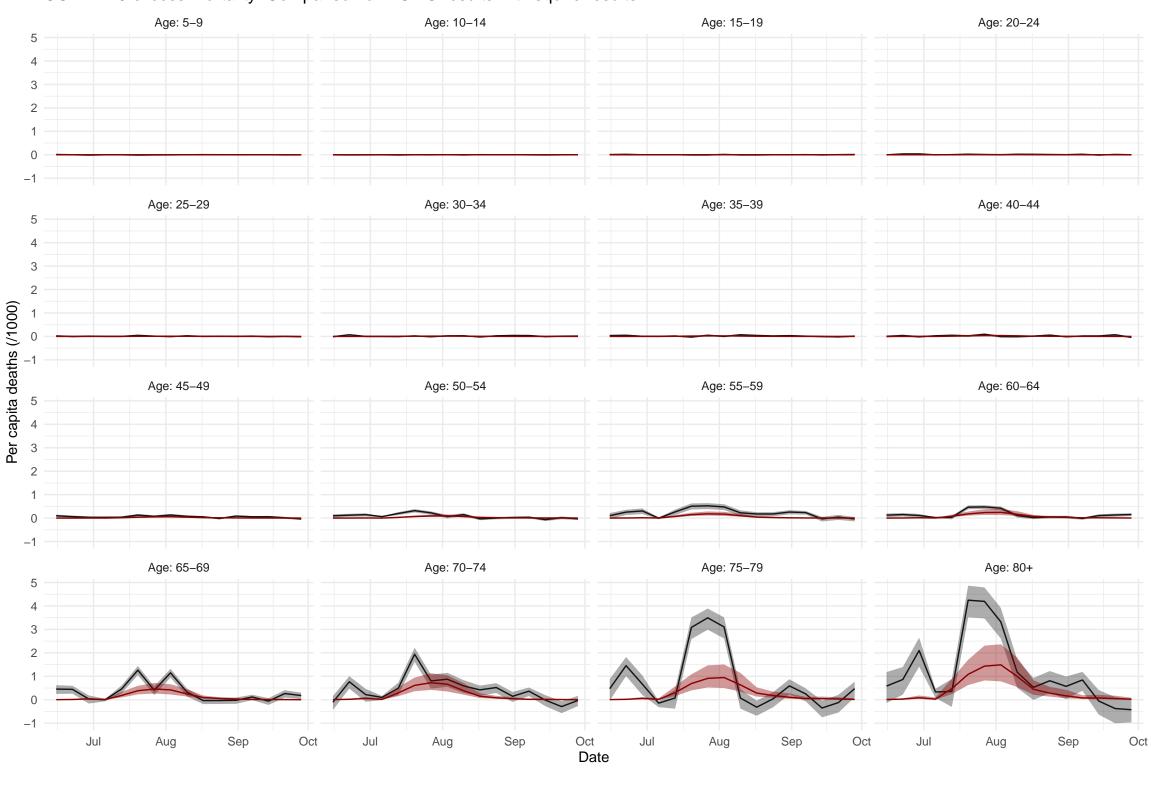
Oct

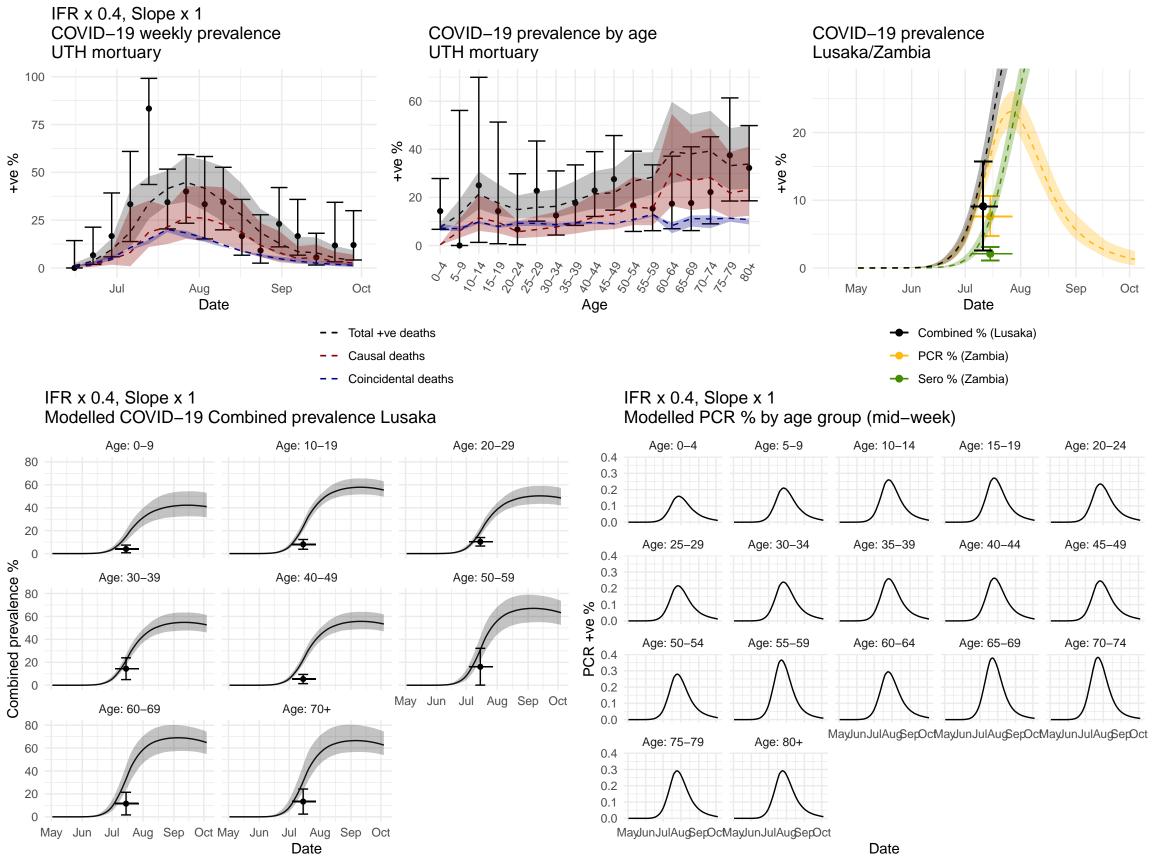
Sep

Model fit

- - Model fit (unstandardised)

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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35Age: 10-14; Pois II = -28.7Age: 15-19; Pois II = -35.8Age: 20-24; Pois II = -45.760 40 20 0 Age: 25-29; Pois II = -42Age: 30-34; Pois II = -51.7Age: 35-39; Pois II = -48.6Age: 40-44; Pois II = -48.5Age: 45-49; Pois II = -49.160 40 Deaths Age: 50-54; Pois II = -48.8Age: 55-59; Pois II = -46.8Age: 60-64; Pois II = -44.2Age: 65-69; Pois II = -43.1Age: 70-74; Pois II = -4160 40 Aug Sep Oct Jul Aug Sep Aug Sep Oct Jul Oct Age: 75-79; Pois II = -47.1Age: 80+; Pois II = -52.860

Oct

Sep

40

Jul

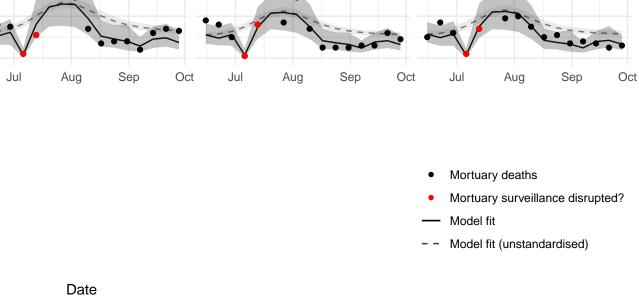
Aug

Oct

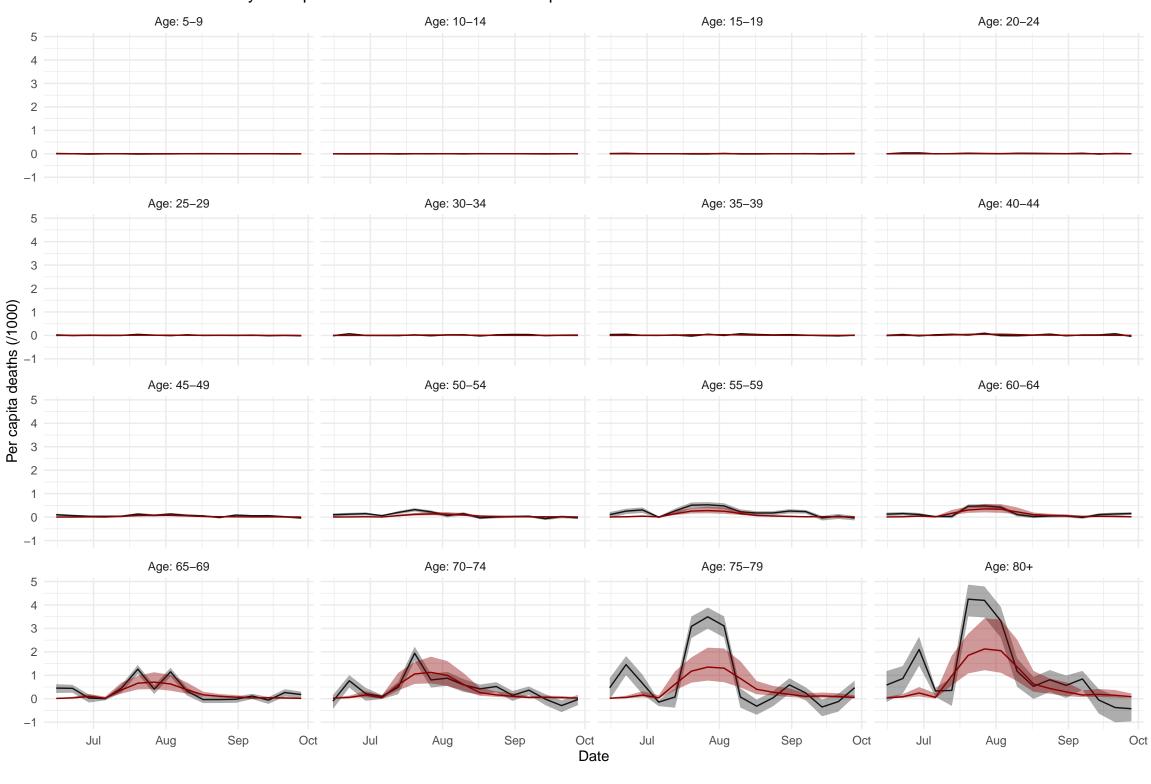
Jul

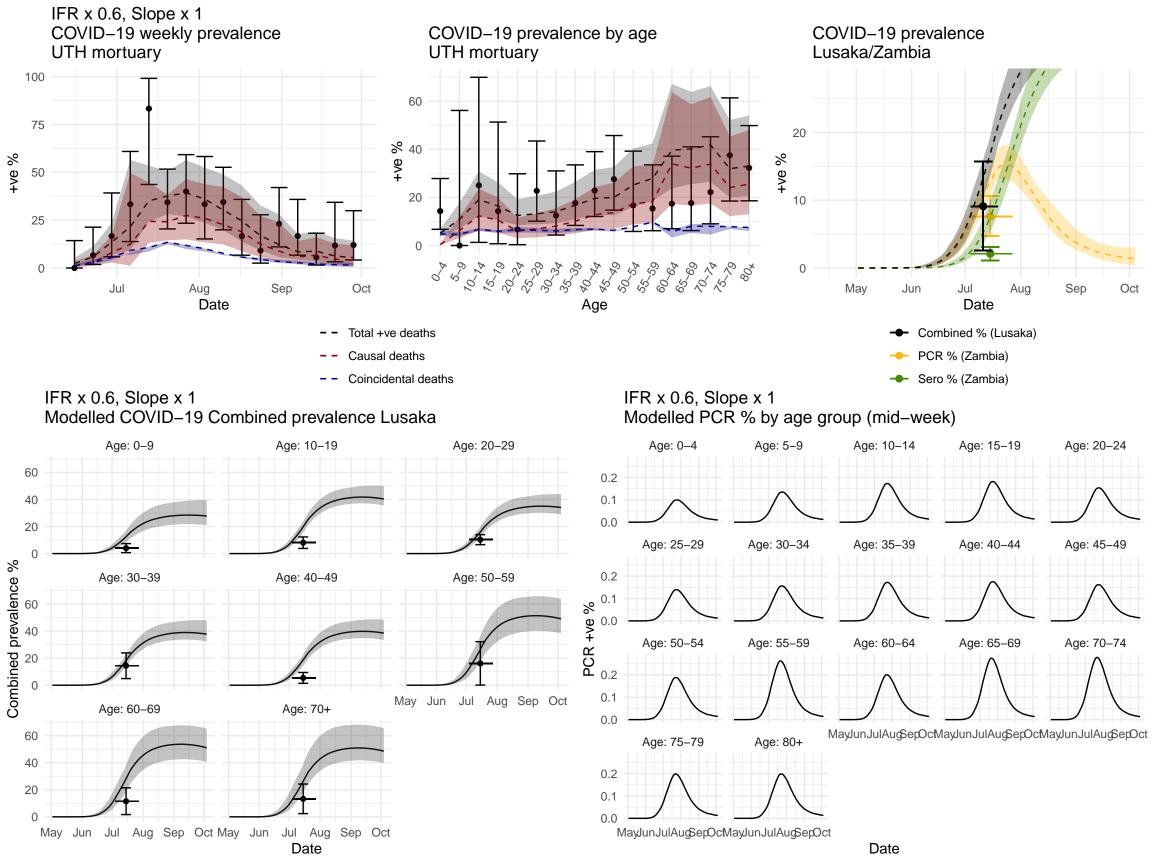
Aug

Sep



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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.1Age: 10-14; Pois II = -28.9Age: 15-19; Pois II = -35.8Age: 20-24; Pois II = -45.560 40 20 0 Age: 25-29; Pois II = -42Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.6Age: 40-44; Pois II = -48.3Age: 45-49; Pois II = -48.860 40 20 Deaths Age: 50-54; Pois II = -47.6Age: 55-59; Pois II = -45.3Age: 60-64; Pois II = -43.6Age: 65-69; Pois II = -42.5Age: 70-74; Pois II = -40.460 40 Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -46.5Age: 80+; Pois II = -51.560 40 Mortuary deaths Mortuary surveillance disrupted? Model fit

Date

Oct

Sep

Oct

Jul

Aug

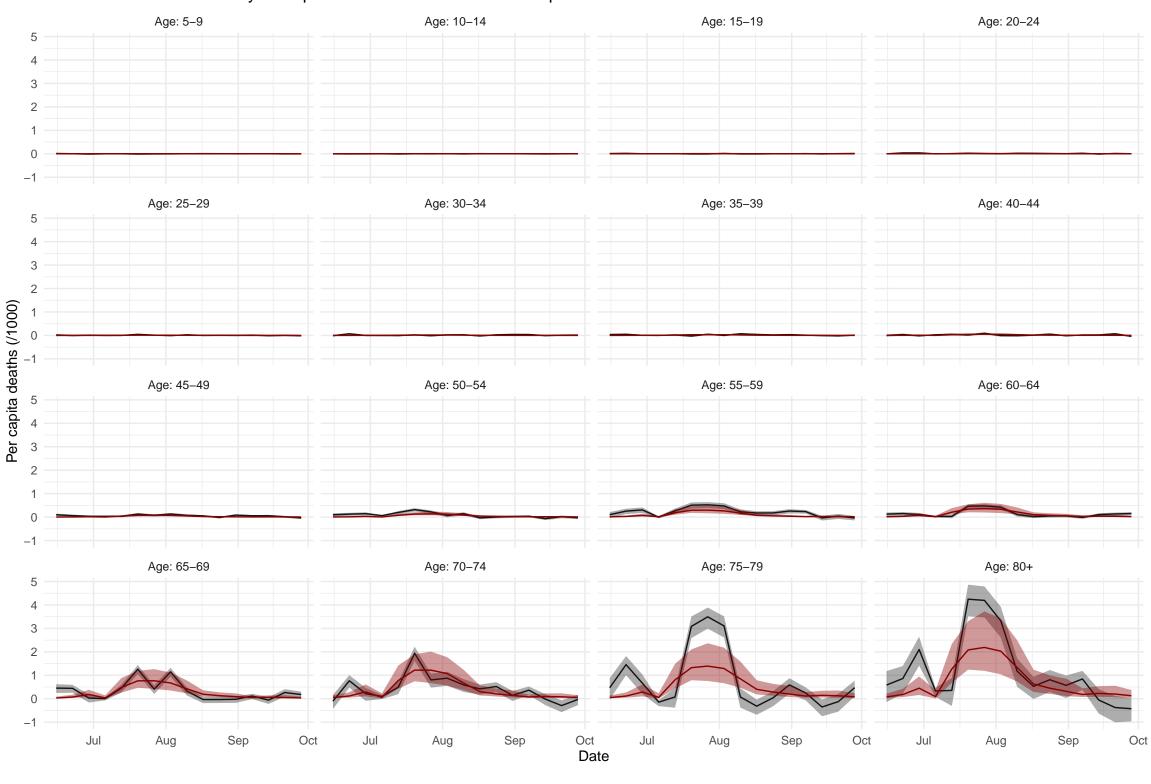
Sep

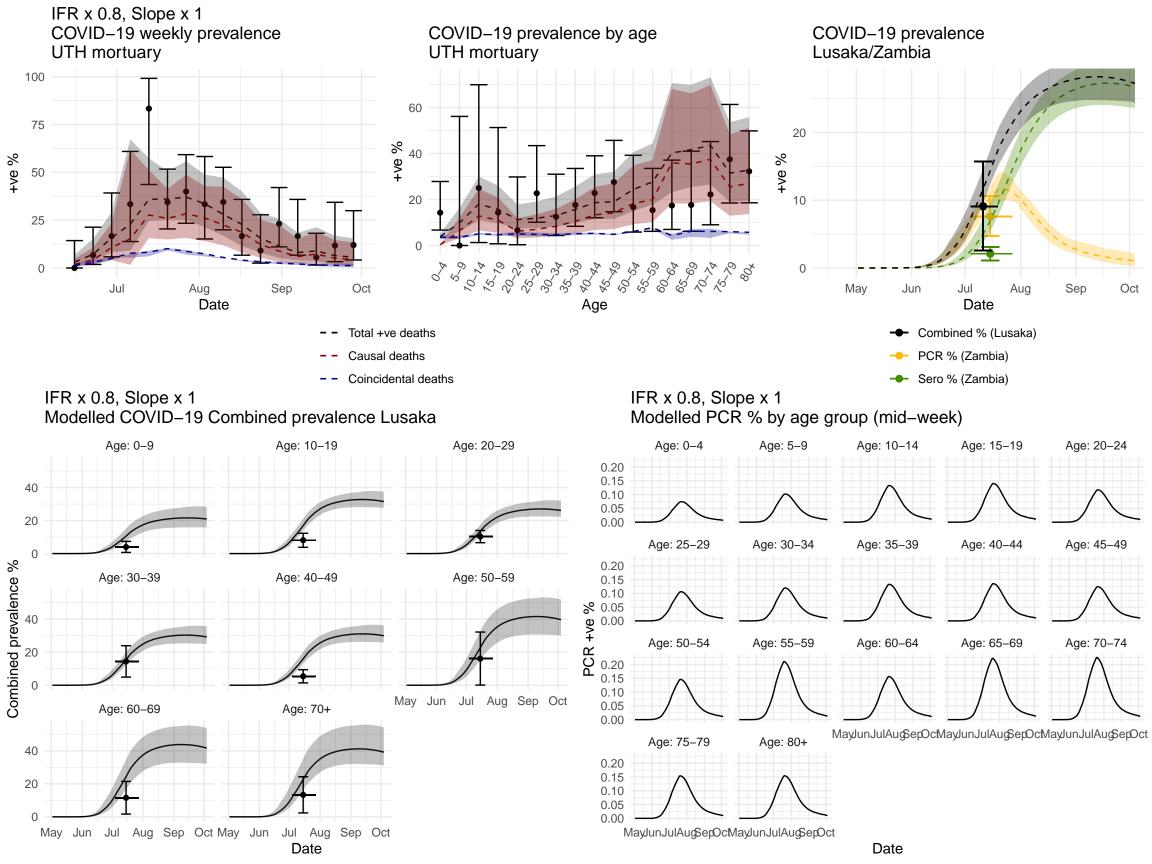
Jul

Aug

- - Model fit (unstandardised)

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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.1Age: 10-14; Pois II = -29Age: 15-19; Pois II = -35.7Age: 20-24; Pois II = -45.460 40 20 0 Age: 25-29; Pois II = -41.9Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.7Age: 40-44; Pois II = -48.2Age: 45-49; Pois II = -48.660 40 20 Age: 50-54; Pois II = -46.9Age: 55-59; Pois II = -44.6Age: 60-64; Pois II = -43.3Age: 65-69; Pois II = -42.3Age: 70-74; Pois II = -40.460 40 Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -46.1Age: 80+; Pois II = -50.760 40 Mortuary deaths Mortuary surveillance disrupted?

Deaths

Jul

Aug

Oct

Jul

Aug

Sep

Date

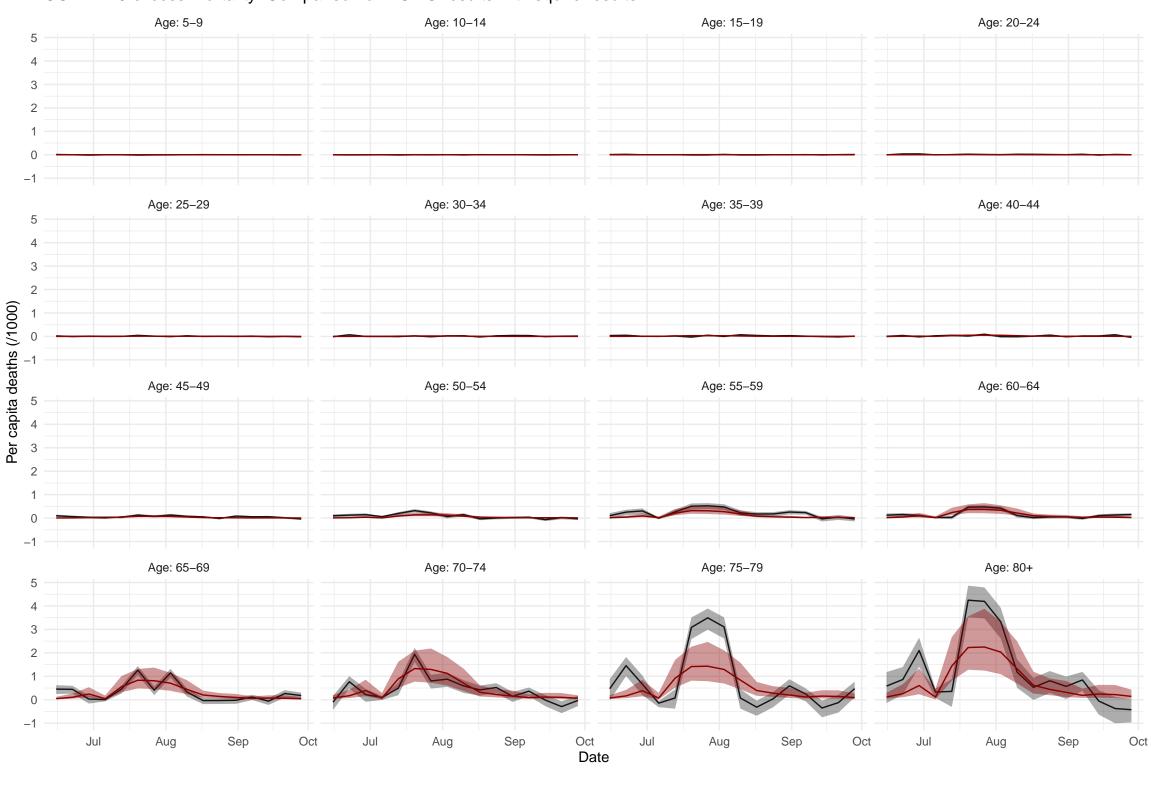
Oct

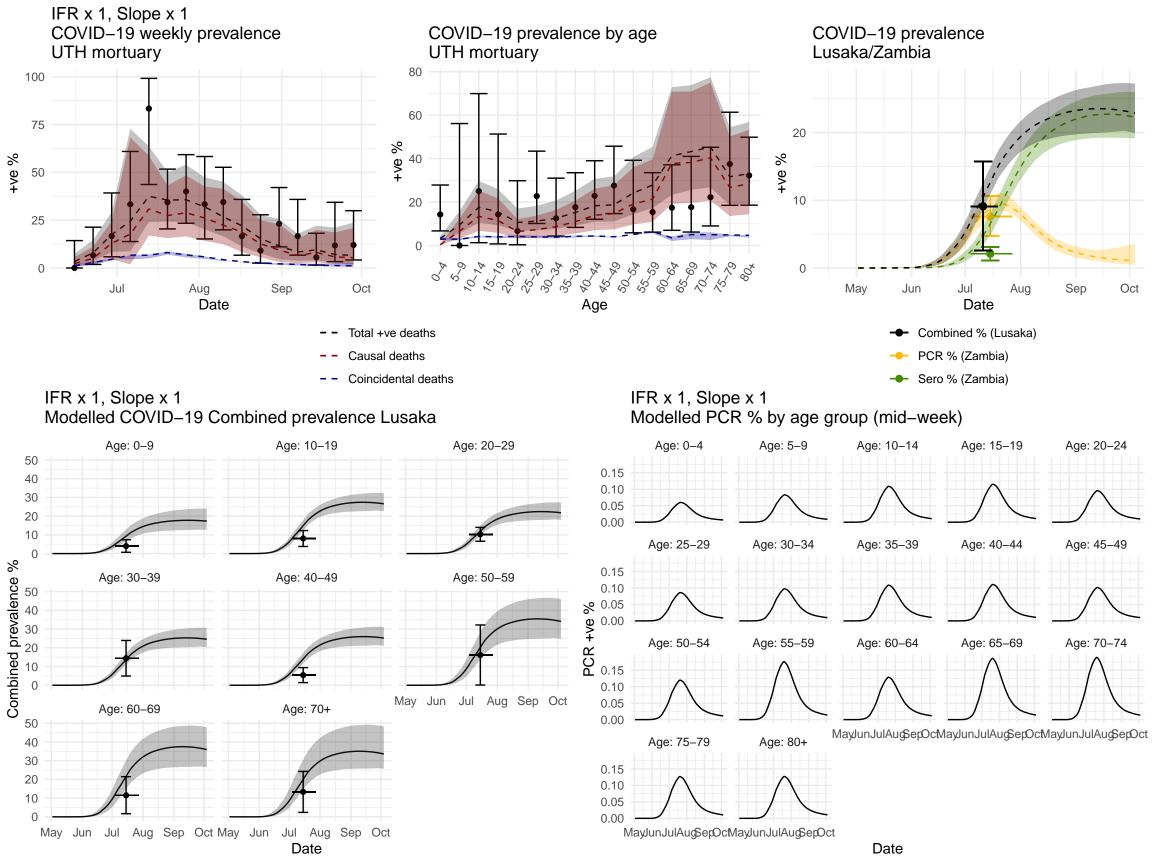
Sep

Model fit

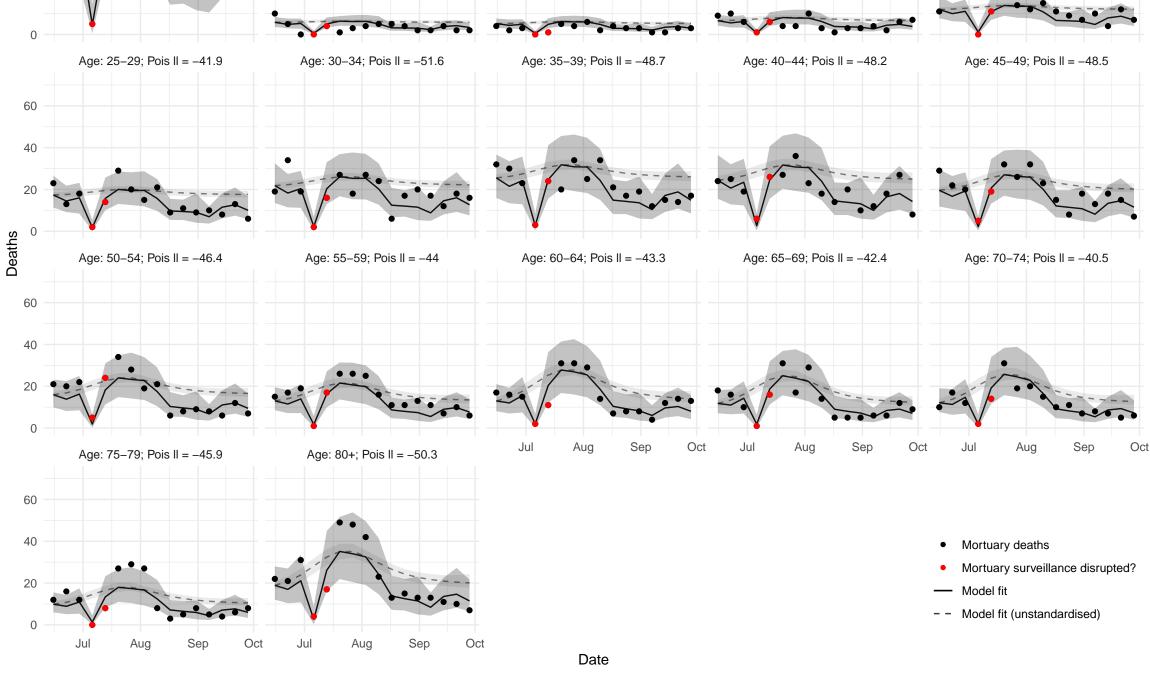
- - Model fit (unstandardised)

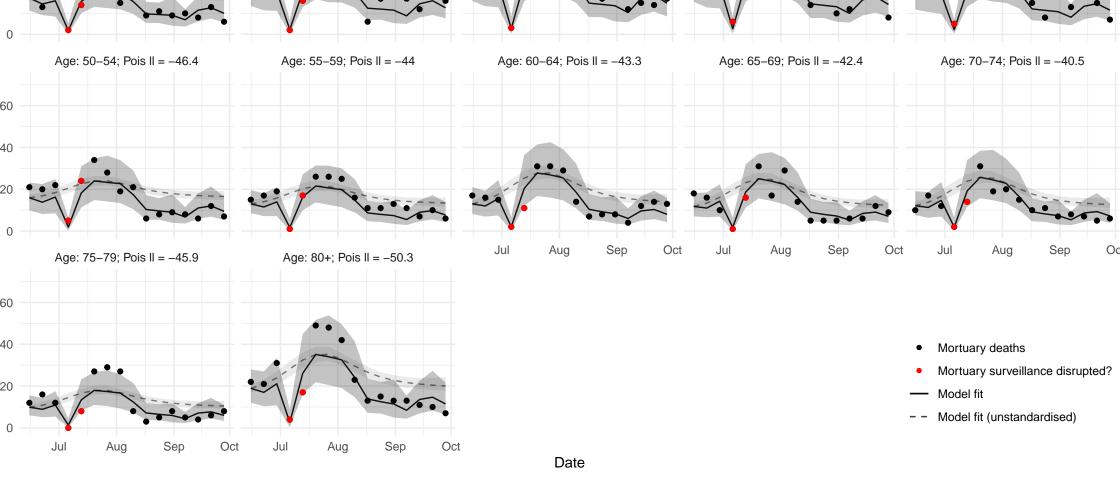
IFR x 0.8, Slope x 1 COVID–19 excess mortality: Comparison of MCMC results with squire results



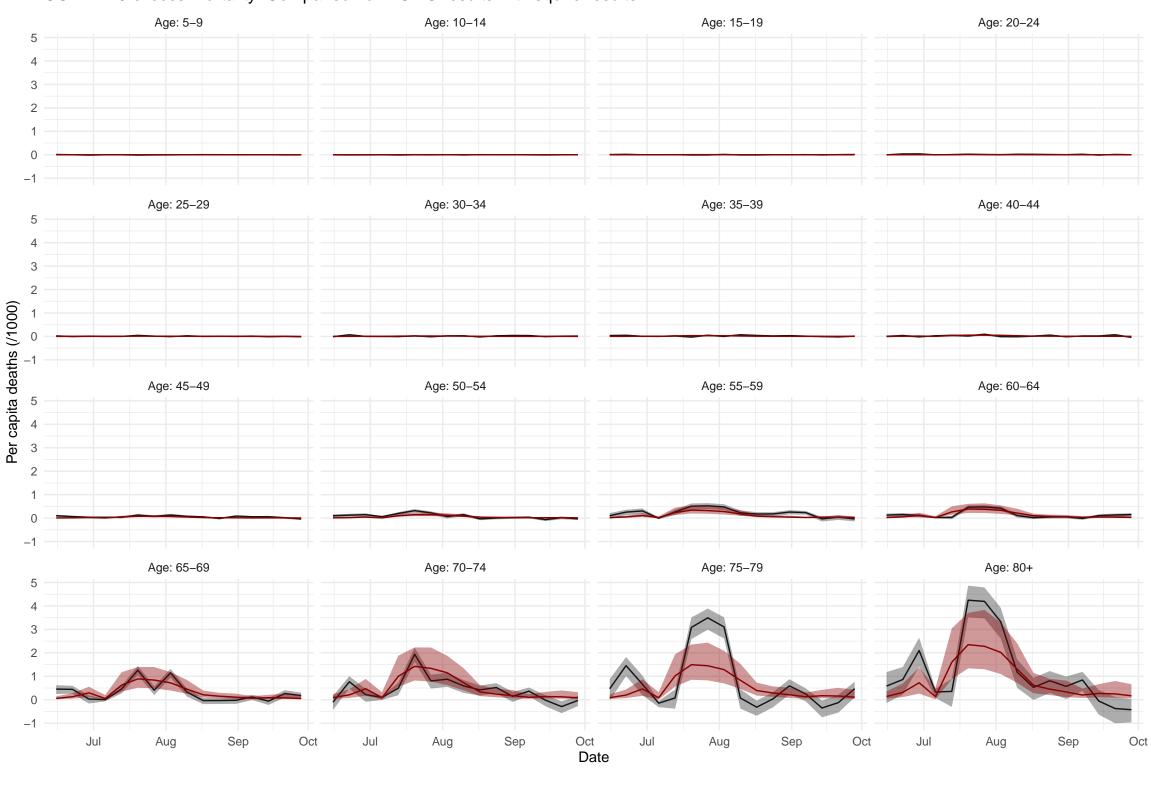


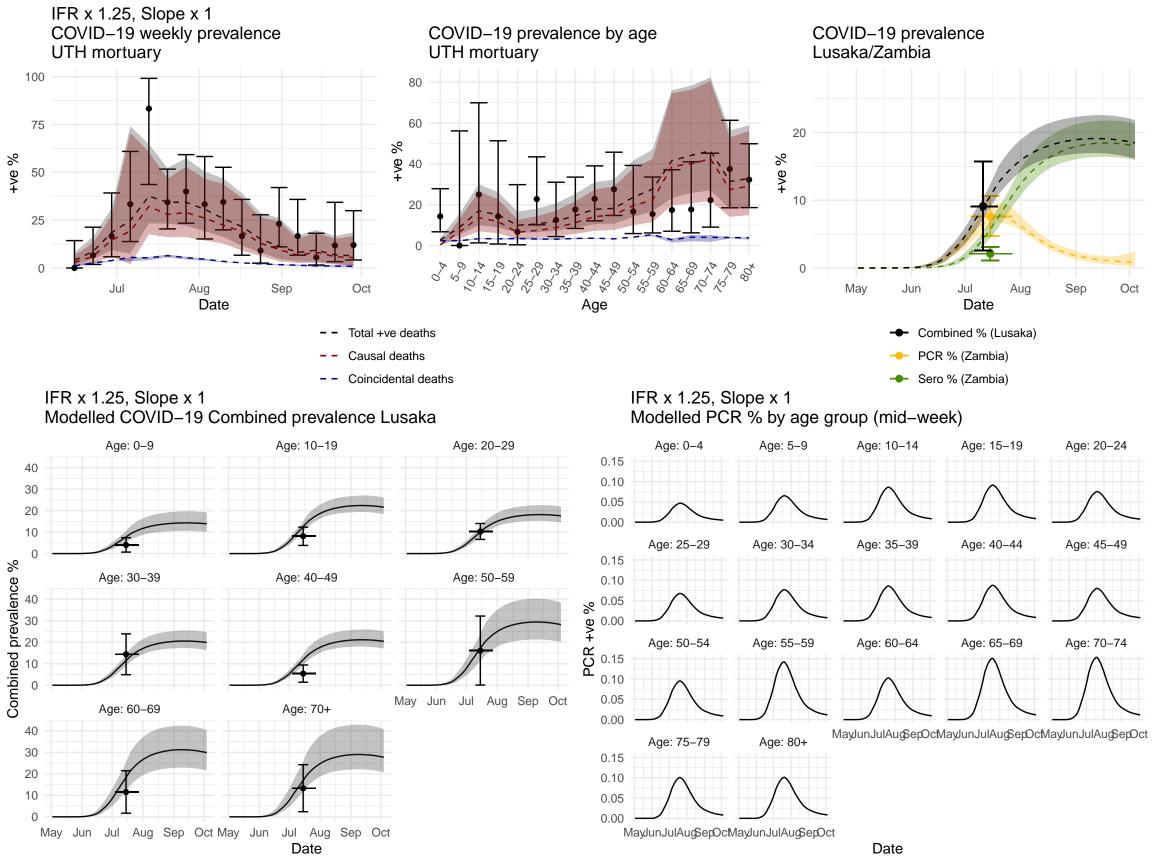
IFR x 1, Slope x 1 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.2Age: 10-14; Pois II = -29.1Age: 15-19; Pois II = -35.7Age: 20-24; Pois II = -45.360 40 20 0 Age: 25-29; Pois II = -41.9Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.7Age: 40-44; Pois II = -48.2Age: 45-49; Pois II = -48.5Age: 50-54; Pois II = -46.4Age: 55-59; Pois II = -44Age: 60-64; Pois II = -43.3Age: 65-69; Pois II = -42.4Age: 70-74; Pois II = -40.5





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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.2Age: 10-14; Pois II = -29.2Age: 15-19; Pois II = -35.7Age: 20-24; Pois II = -45.360 40 20 0 Age: 25-29; Pois II = -41.9Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.7Age: 40-44; Pois II = -48.1Age: 45-49; Pois II = -48.460 40 20 Age: 50-54; Pois II = -46Age: 55-59; Pois II = -43.6Age: 60-64; Pois II = -43.3Age: 65-69; Pois II = -42.4Age: 70-74; Pois II = -40.660 40 Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -45.8Age: 80+; Pois II = -5060 40 Mortuary deaths Mortuary surveillance disrupted?

Deaths

Jul

Aug

Oct

Jul

Aug

Sep

Date

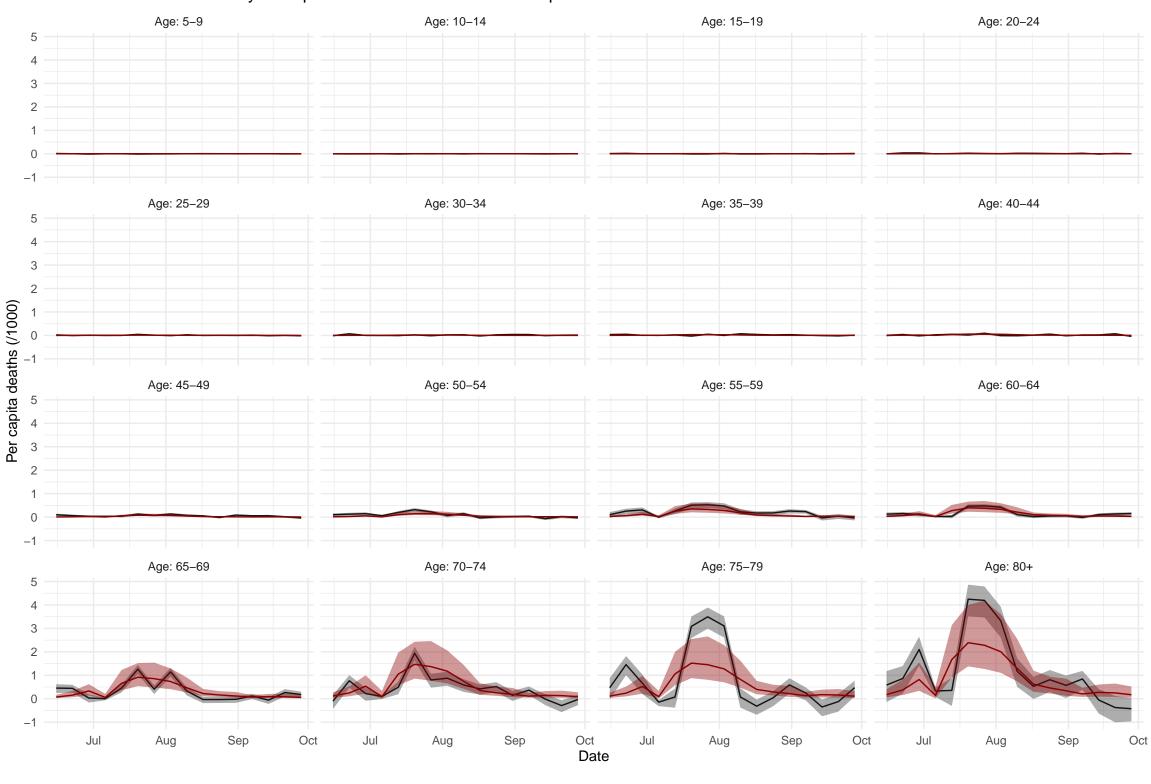
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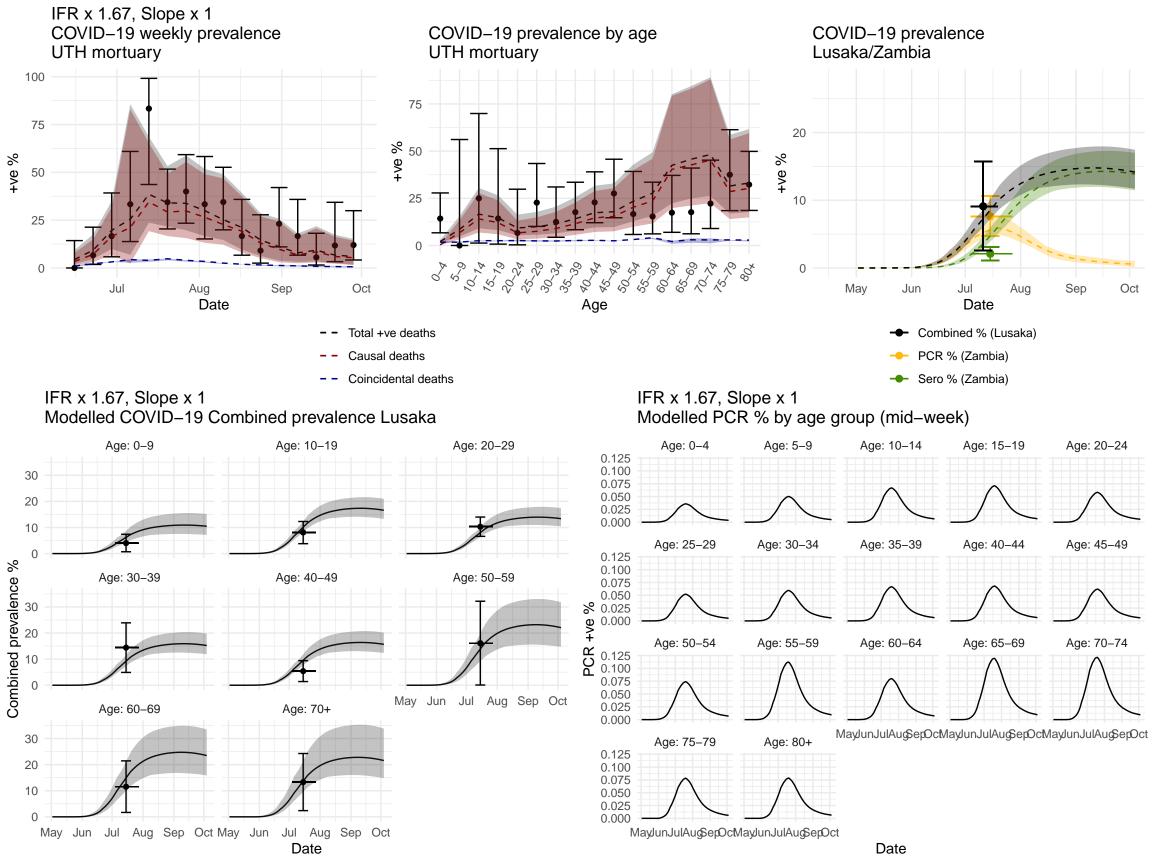
Sep

Model fit

- - Model fit (unstandardised)

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 deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.3Age: 10-14; Pois II = -29.2Age: 15-19; Pois II = -35.7Age: 20-24; Pois II = -45.260 40 20 0 Age: 25-29; Pois II = -41.8 Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.7Age: 40-44; Pois II = -48.1Age: 45-49; Pois II = -48.260 40 20 Age: 50-54; Pois II = -45.6Age: 55-59; Pois II = -43.2Age: 60-64; Pois II = -43.4Age: 65-69; Pois II = -42.6Age: 70-74; Pois II = -40.960 40 Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -45.5Age: 80+; Pois II = -49.560 40 Mortuary deaths Mortuary surveillance disrupted?

Deaths

Jul

Aug

Oct

Jul

Aug

Sep

Date

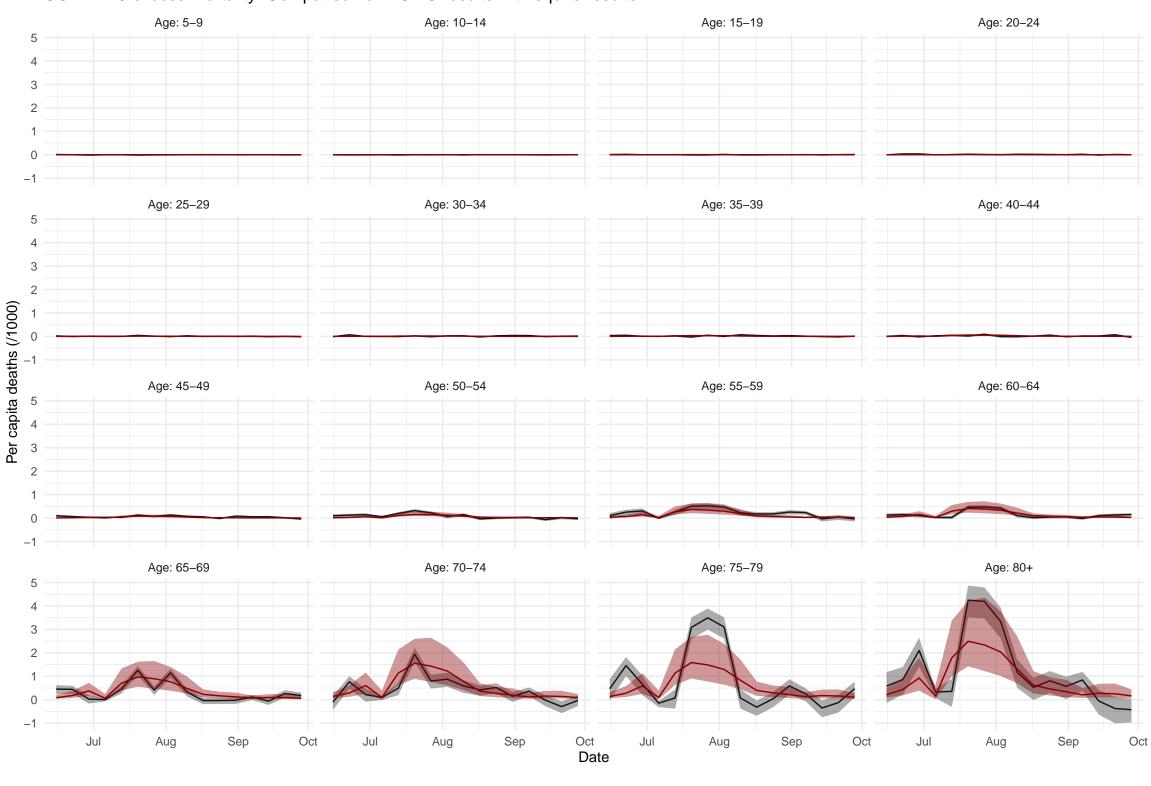
Oct

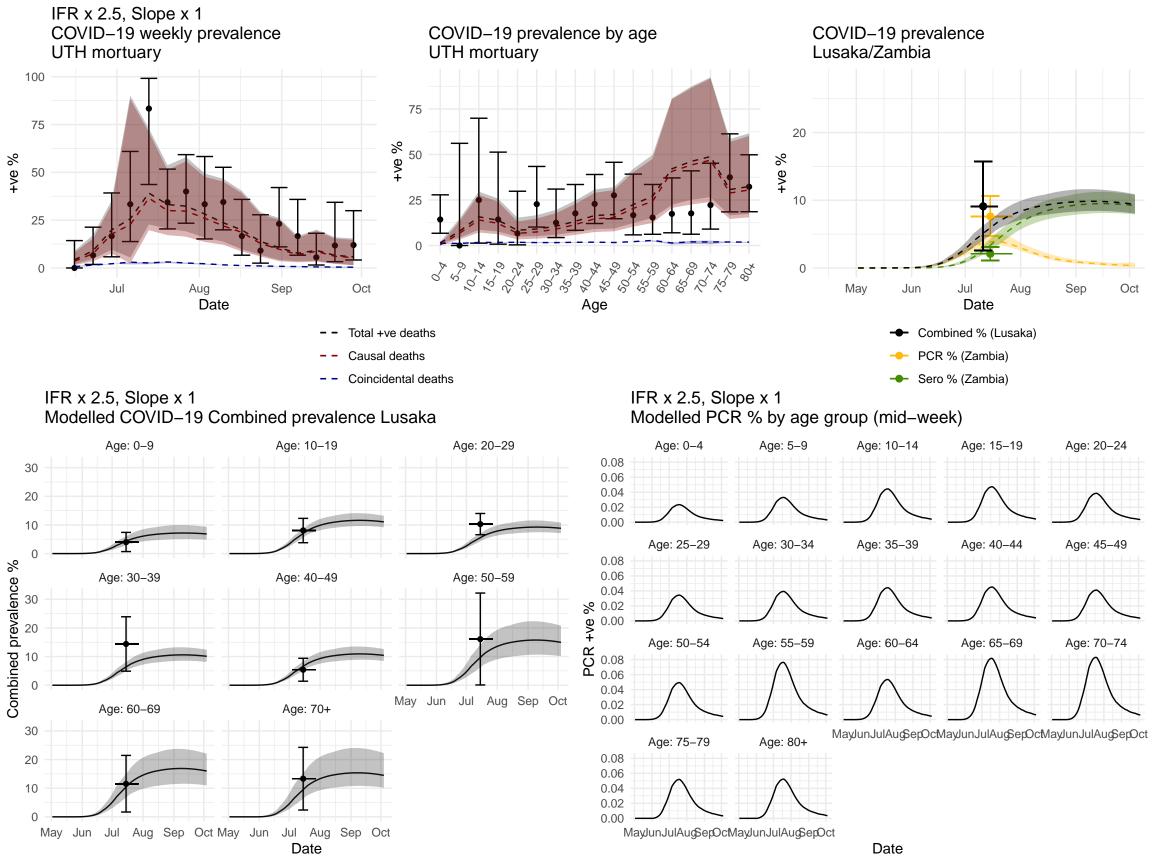
Sep

Model fit

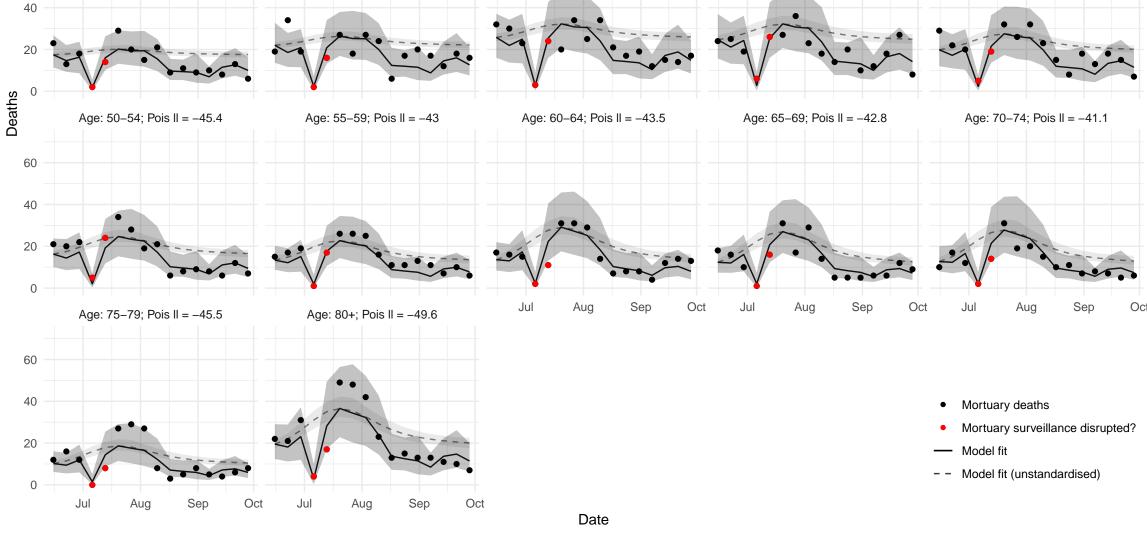
- - Model fit (unstandardised)

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

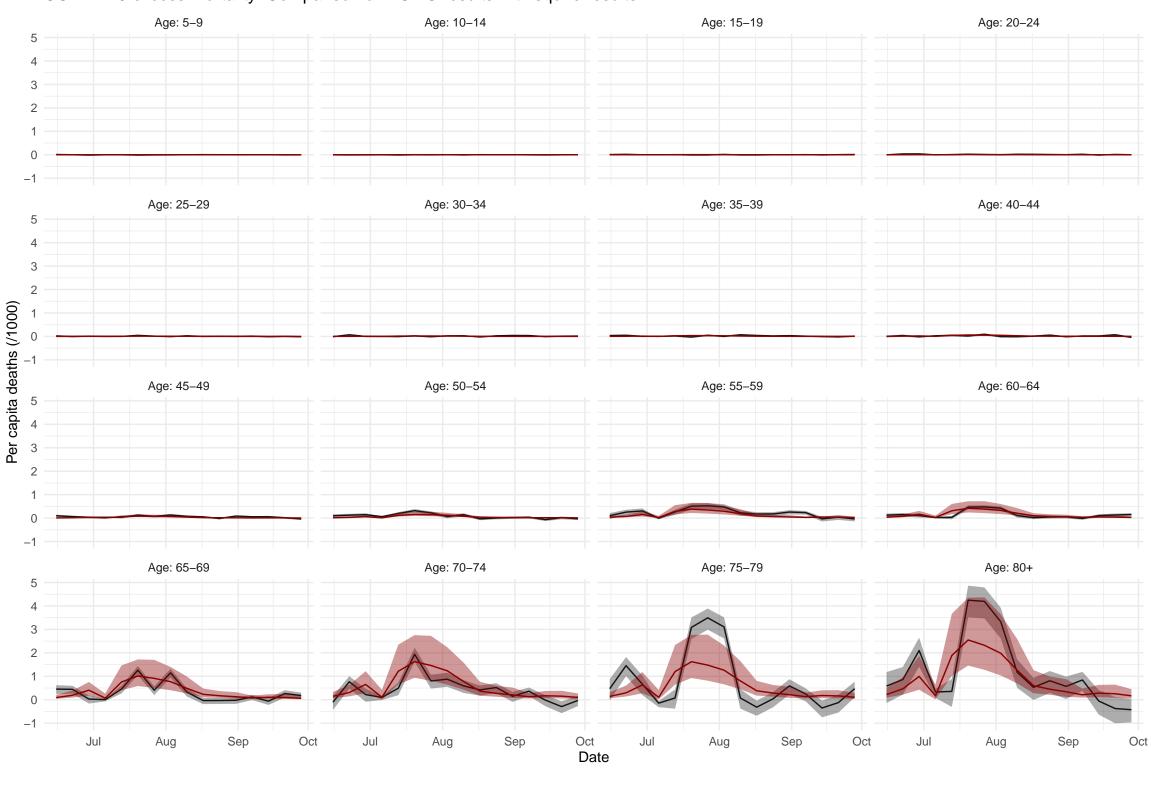


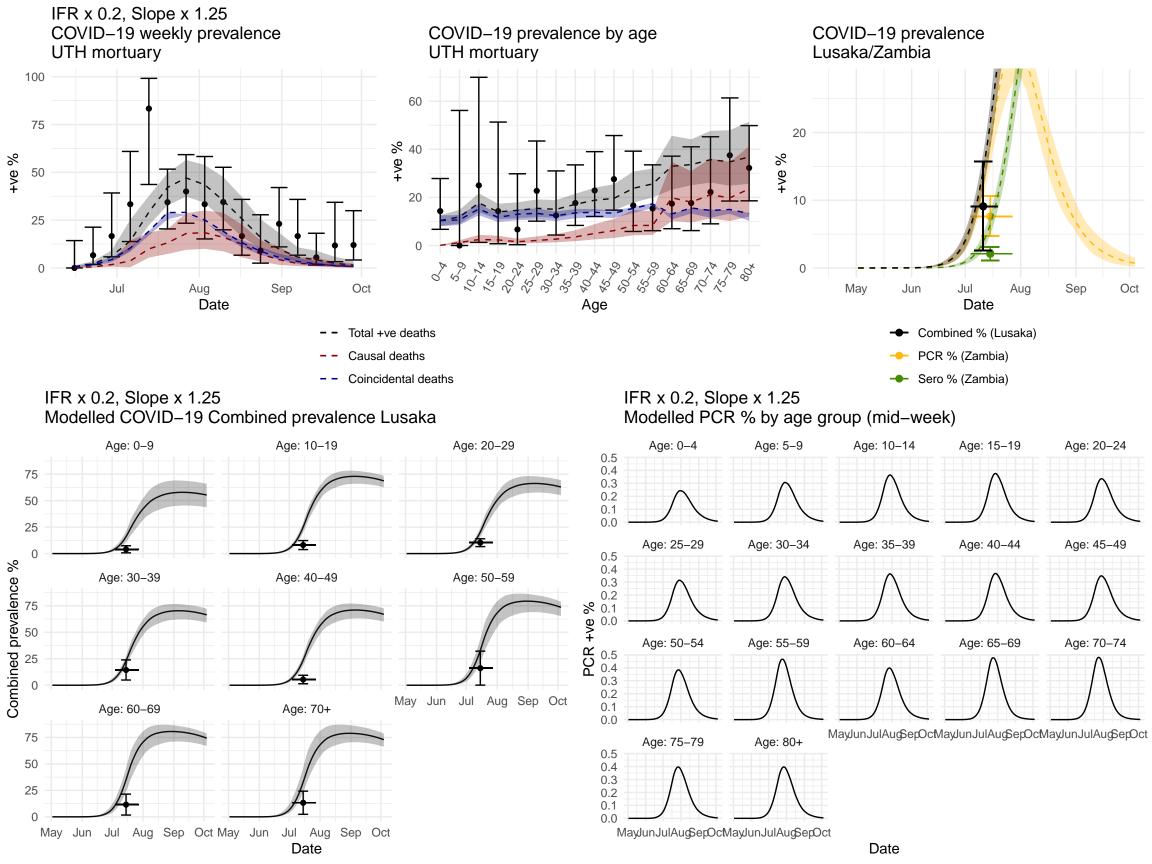


IFR x 2.5, Slope x 1 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -35.3Age: 10-14; Pois II = -29.3Age: 15-19; Pois II = -35.7Age: 20-24; Pois II = -45.260 40 20 0 Age: 25-29; Pois II = -41.8 Age: 30-34; Pois II = -51.6Age: 35-39; Pois II = -48.8Age: 40-44; Pois II = -48.1Age: 45-49; Pois II = -48.360 Age: 50-54; Pois II = -45.4Age: 55-59; Pois II = -43Age: 60-64; Pois II = -43.5Age: 65-69; Pois II = -42.8Age: 70-74; Pois II = -41.1Aug Sep Oct Jul Aug Sep Aug Sep Jul Oct Oct Age: 75-79; Pois II = -45.5Age: 80+; Pois II = -49.6

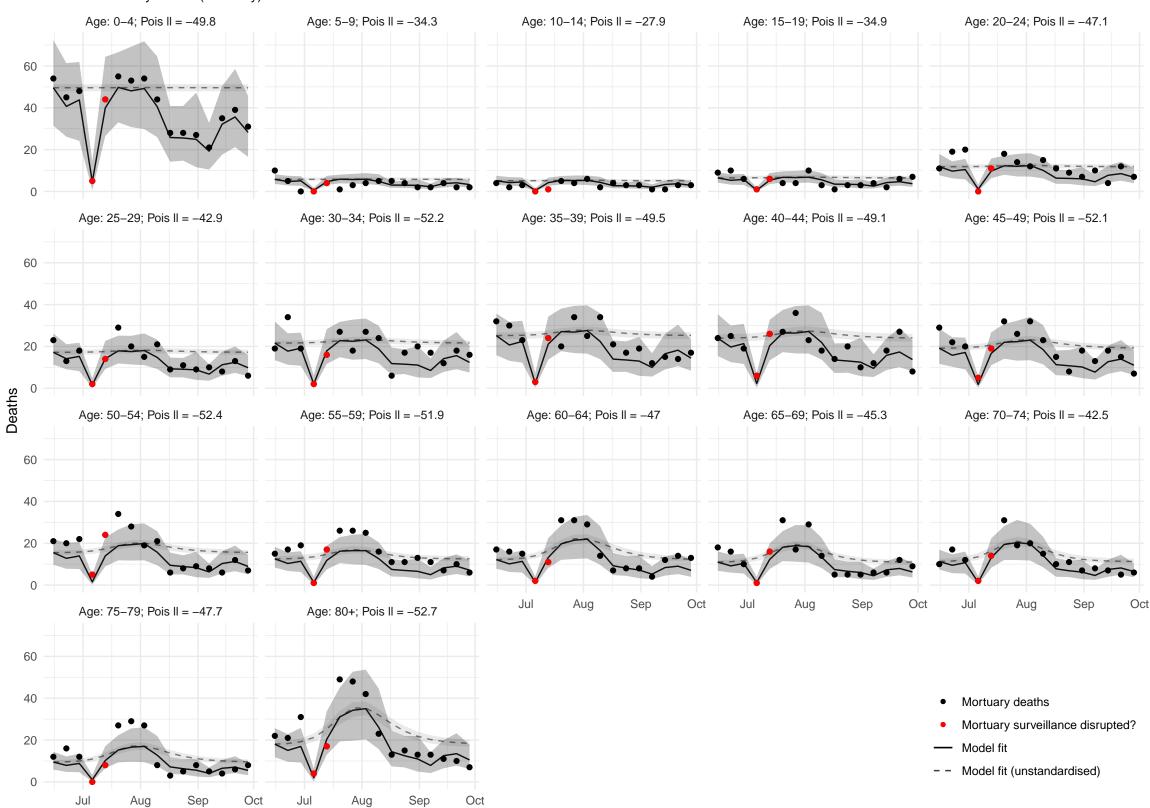


IFR x 2.5, Slope x 1 COVID–19 excess mortality: Comparison of MCMC results with squire results



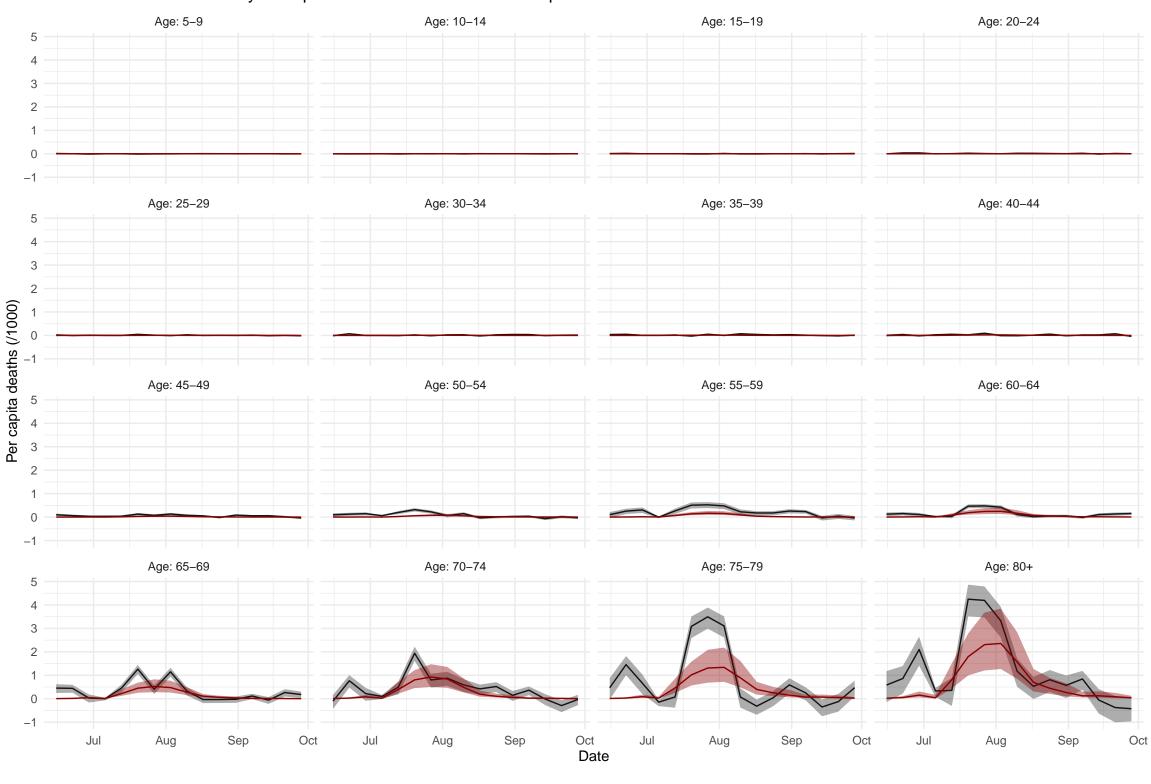


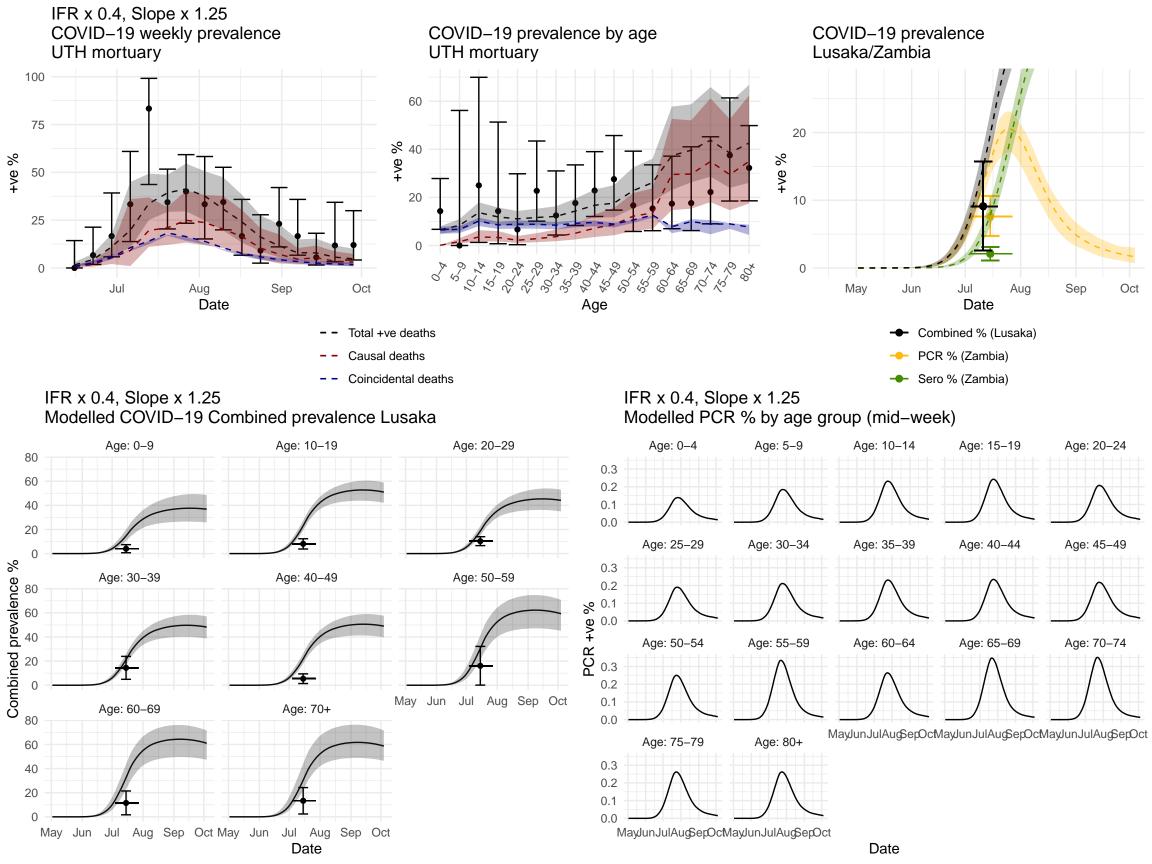
IFR x 0.2, Slope x 1.25 COVID–19 weekly deaths (Mortuary)



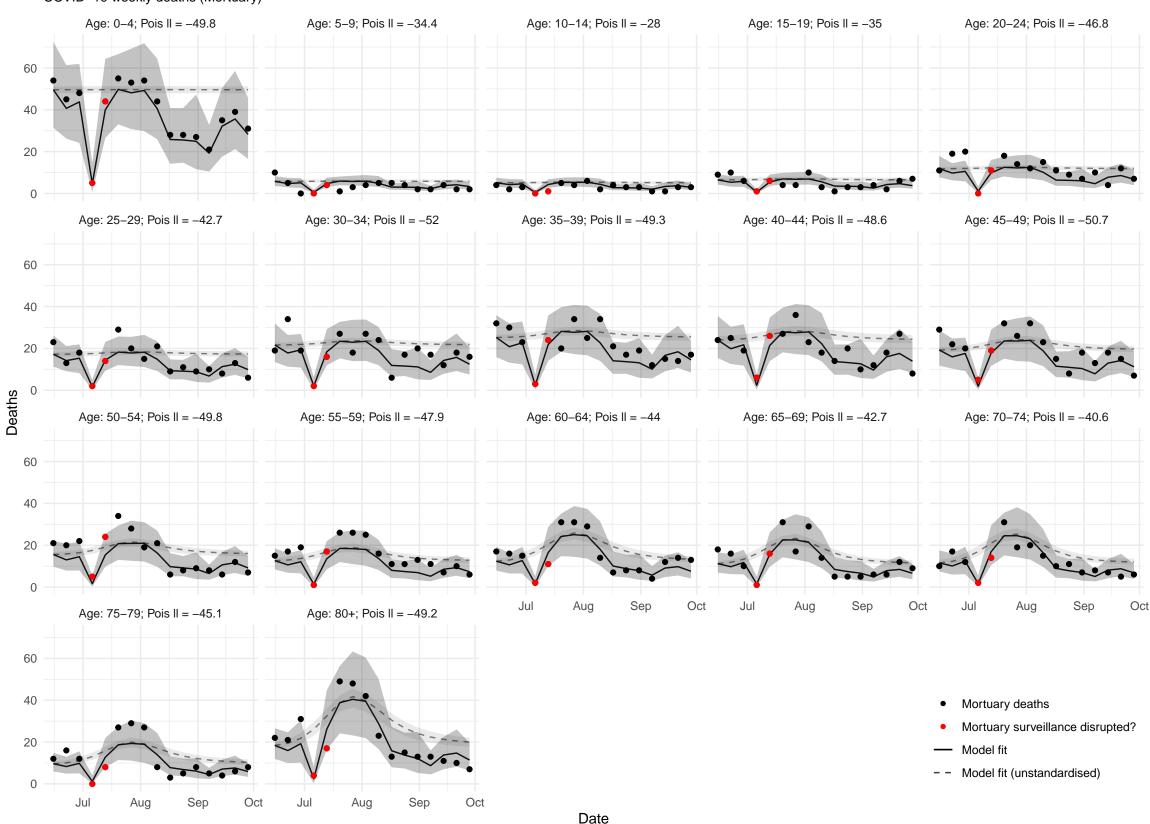
Date

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

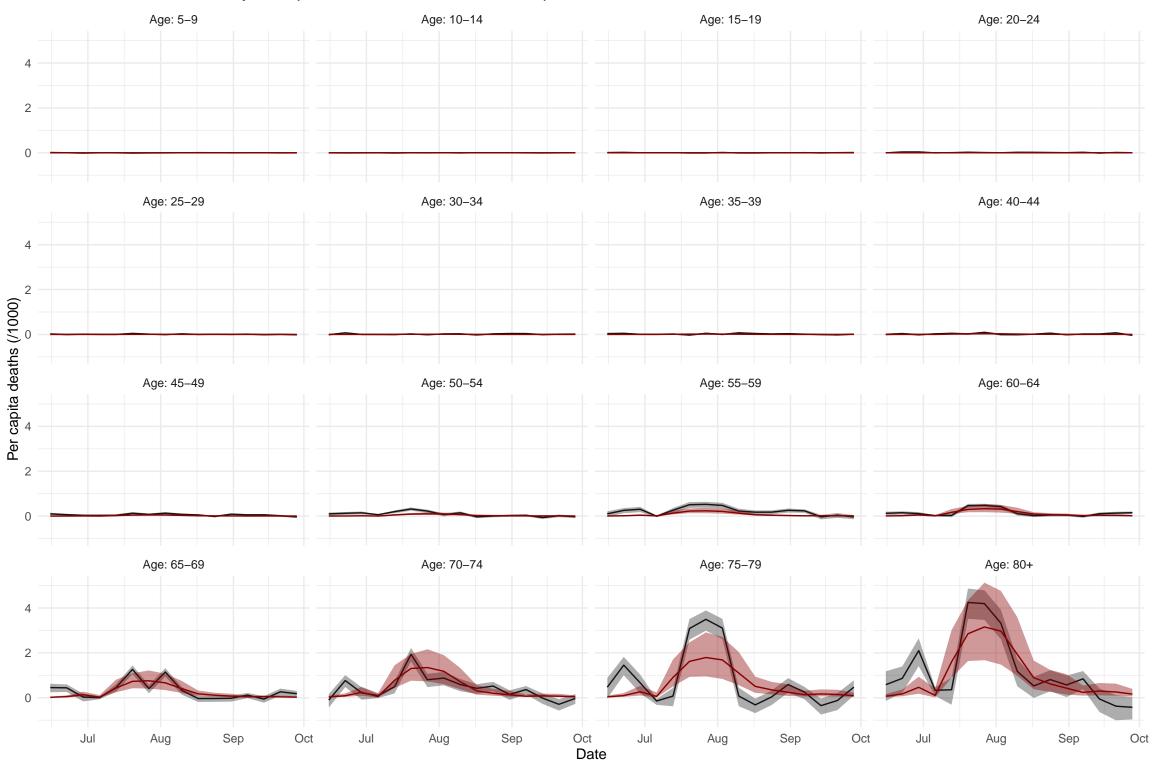


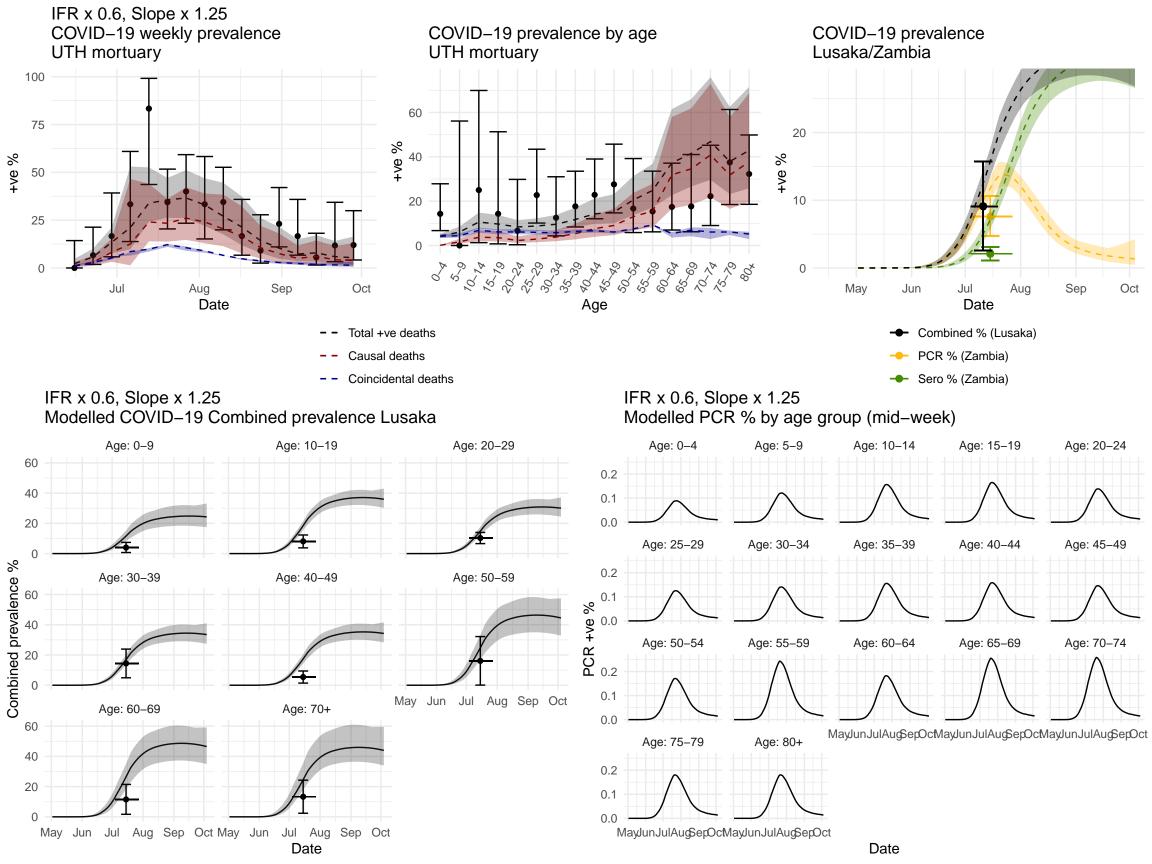


IFR x 0.4, Slope x 1.25 COVID-19 weekly deaths (Mortuary)

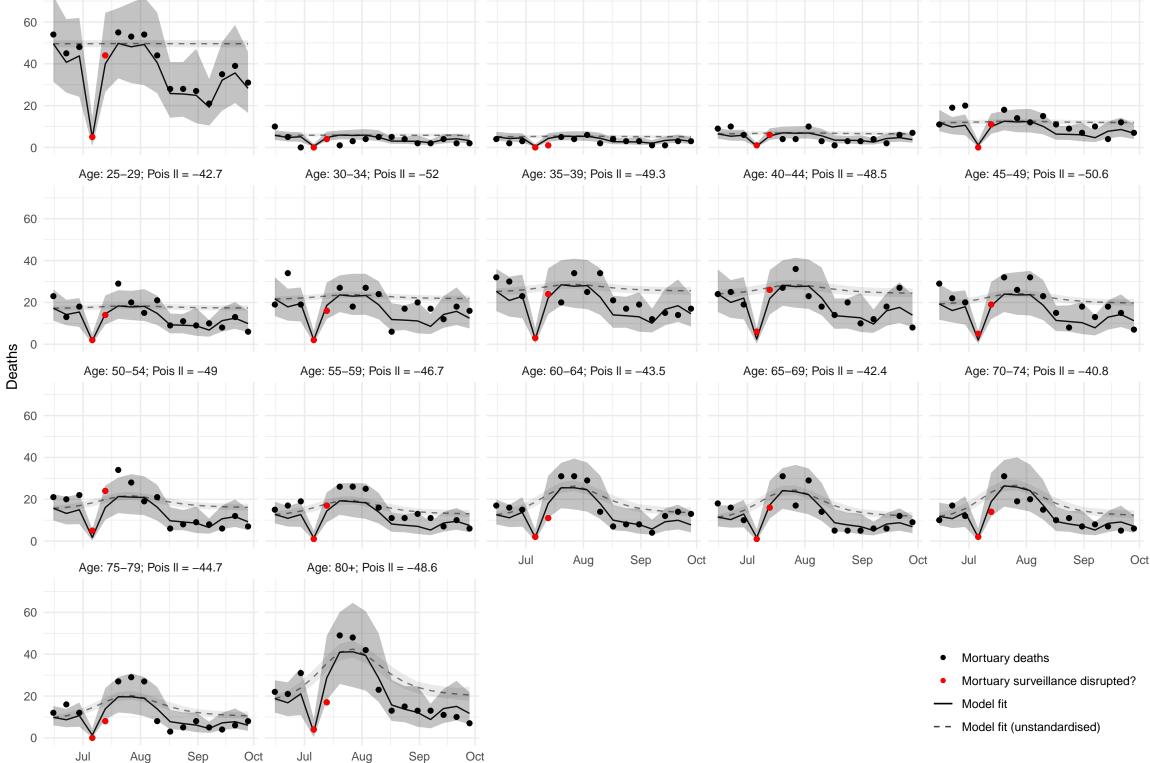


IFR x 0.4, Slope x 1.25 COVID–19 excess mortality: Comparison of MCMC results with squire results



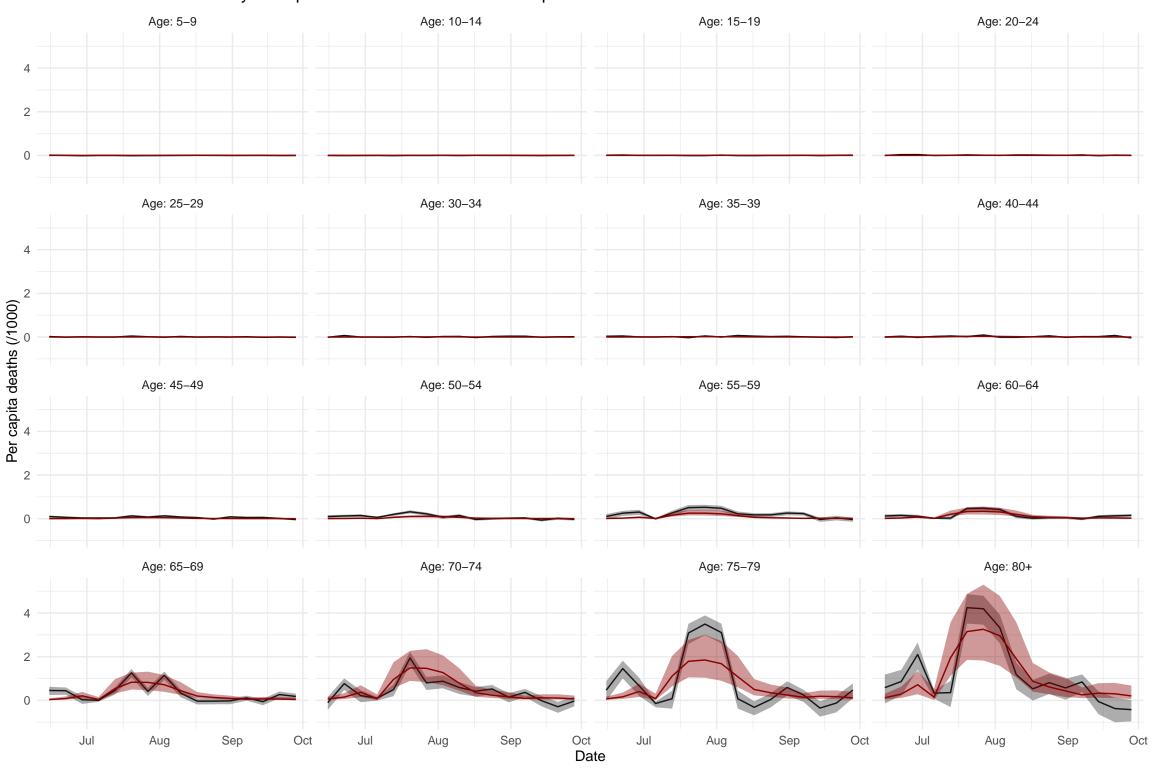


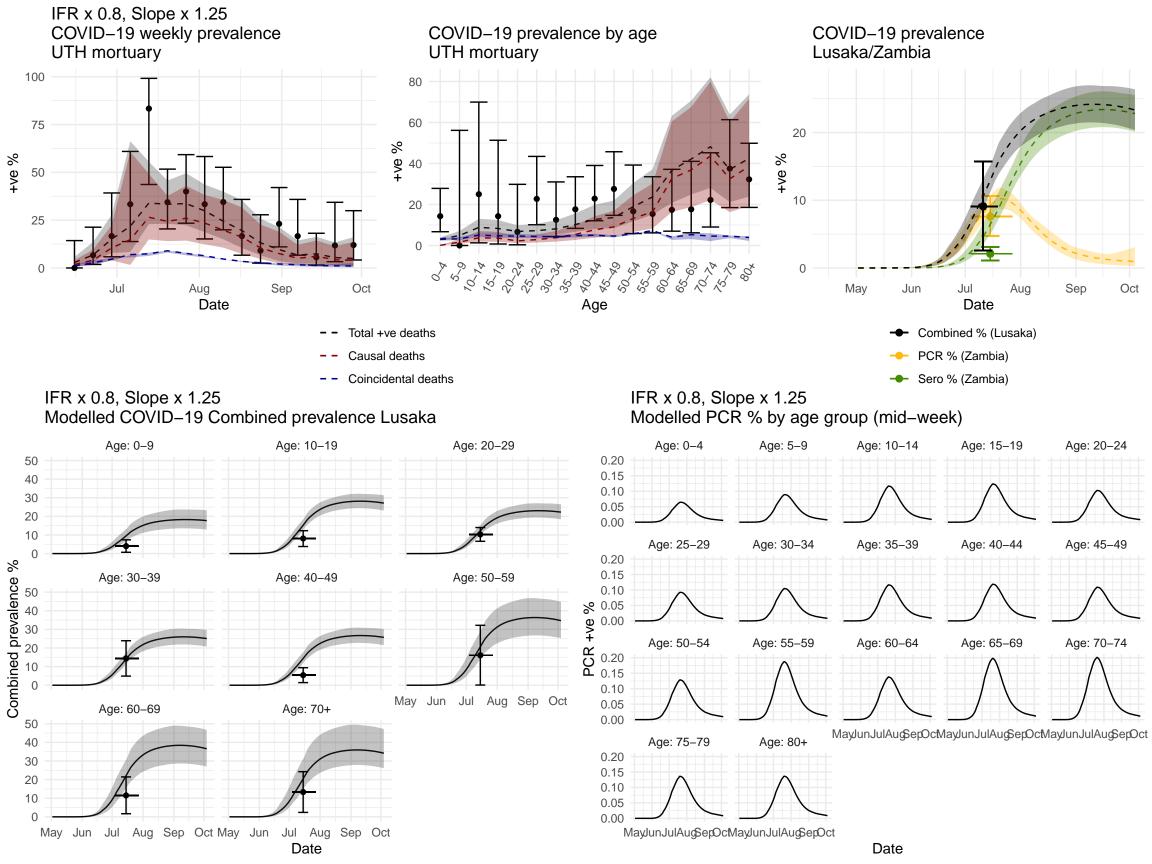
IFR x 0.6, Slope x 1.25 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -34.4Age: 10-14; Pois II = -28.1Age: 15-19; Pois II = -34.9Age: 20-24; Pois II = -46.860 40 20 0 Age: 25-29; Pois II = -42.7Age: 30-34; Pois II = -52Age: 35-39; Pois II = -49.3Age: 40-44; Pois II = -48.5Age: 45-49; Pois II = -50.660 40 20 Age: 50-54; Pois II = -49Age: 55-59; Pois II = -46.7Age: 60-64; Pois II = -43.5Age: 65-69; Pois II = -42.4Age: 70-74; Pois II = -40.860 40



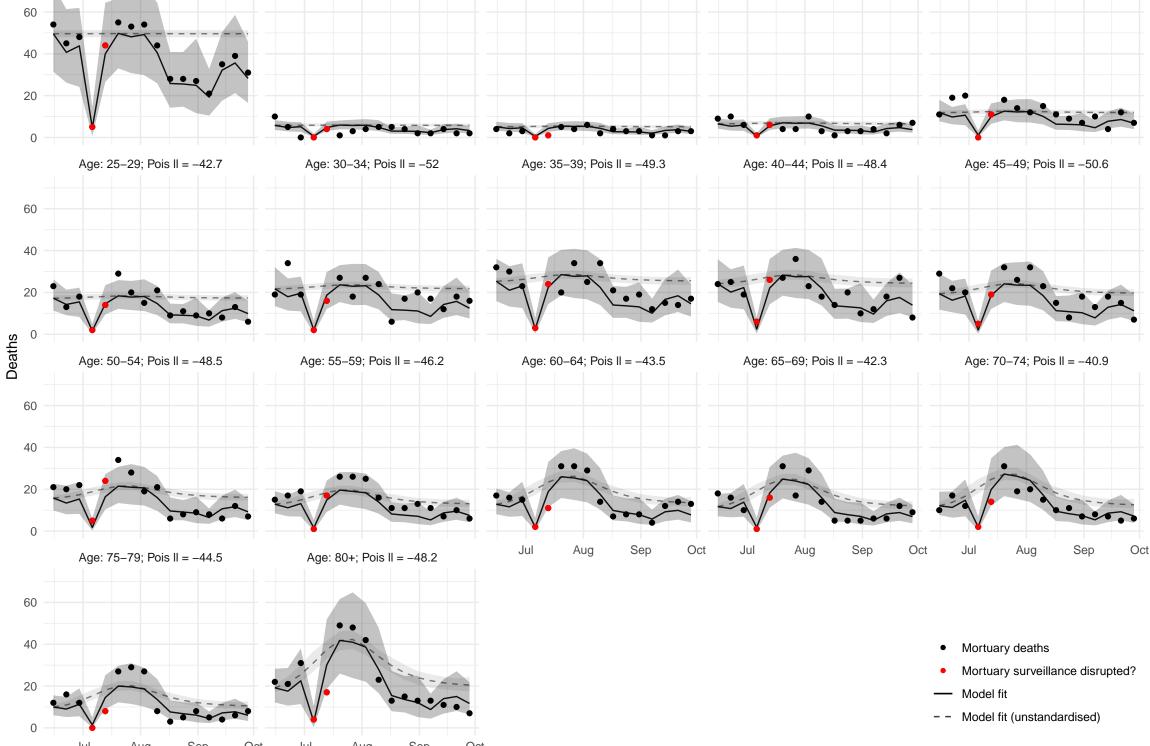
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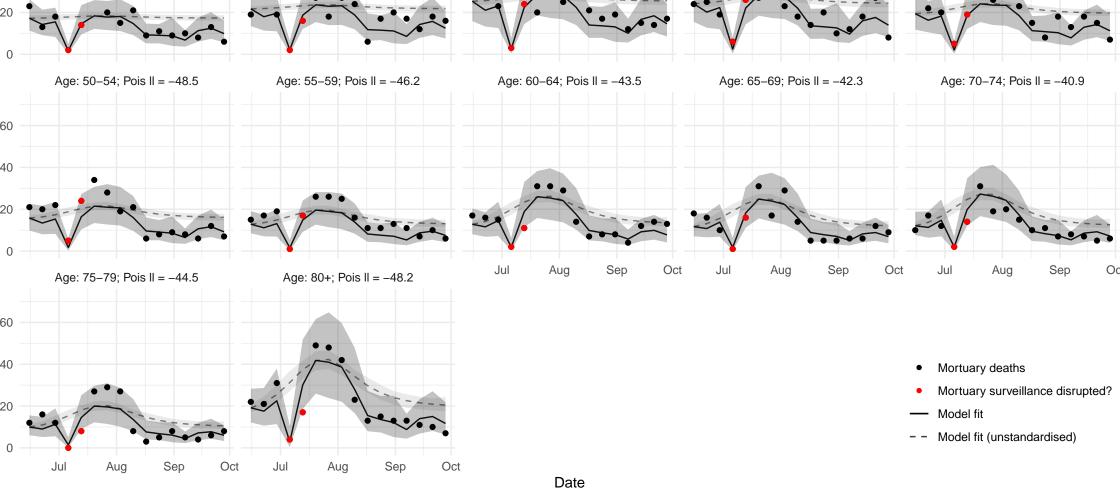
IFR x 0.6, Slope x 1.25 COVID–19 excess mortality: Comparison of MCMC results with squire results



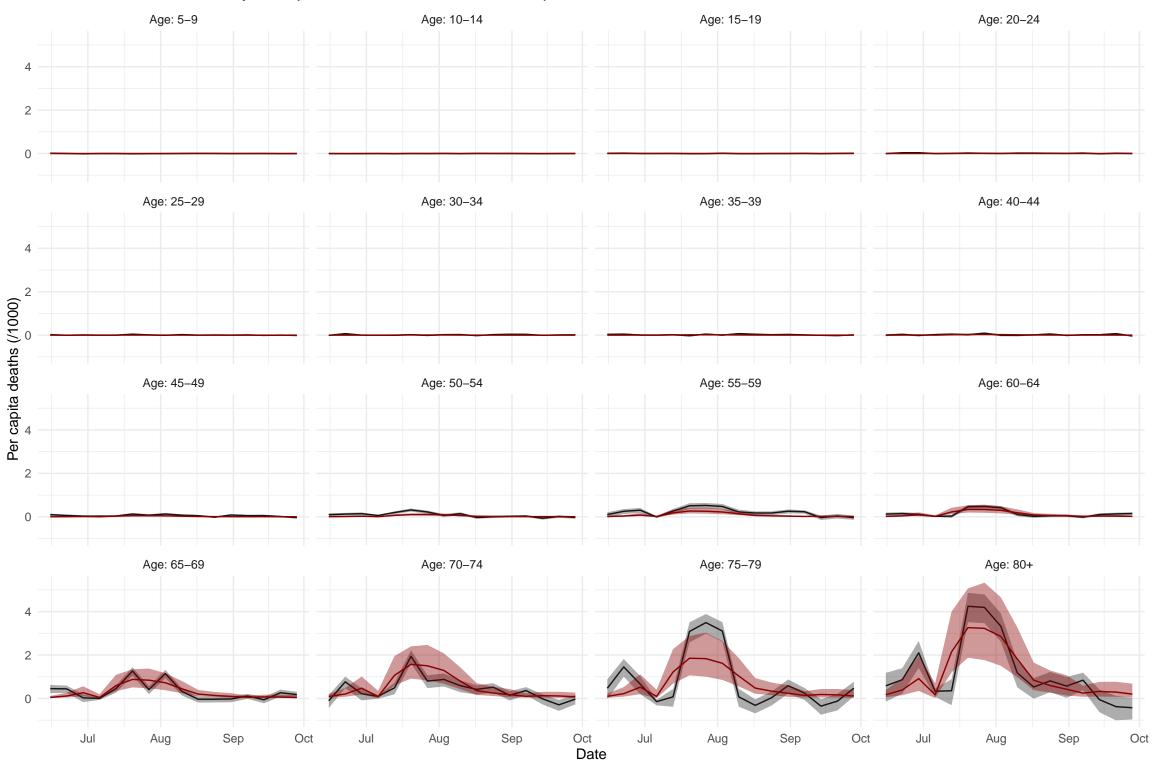


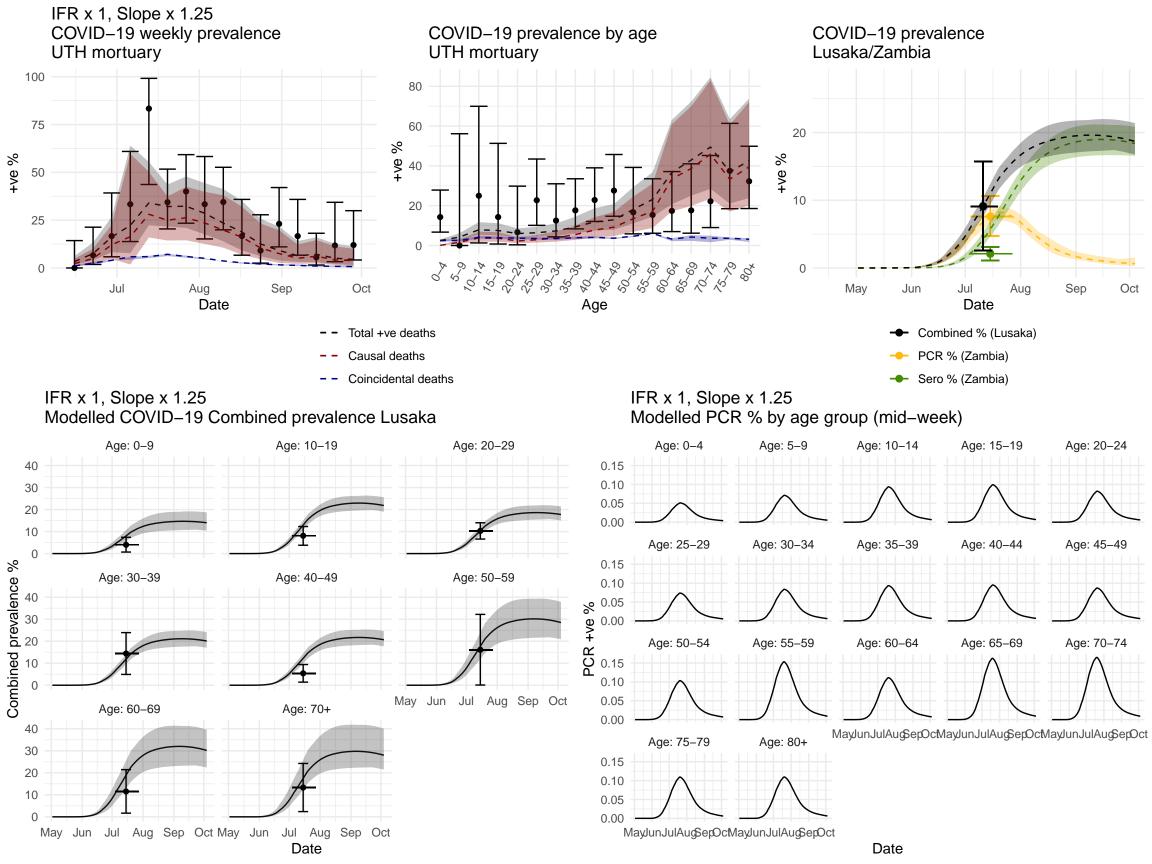
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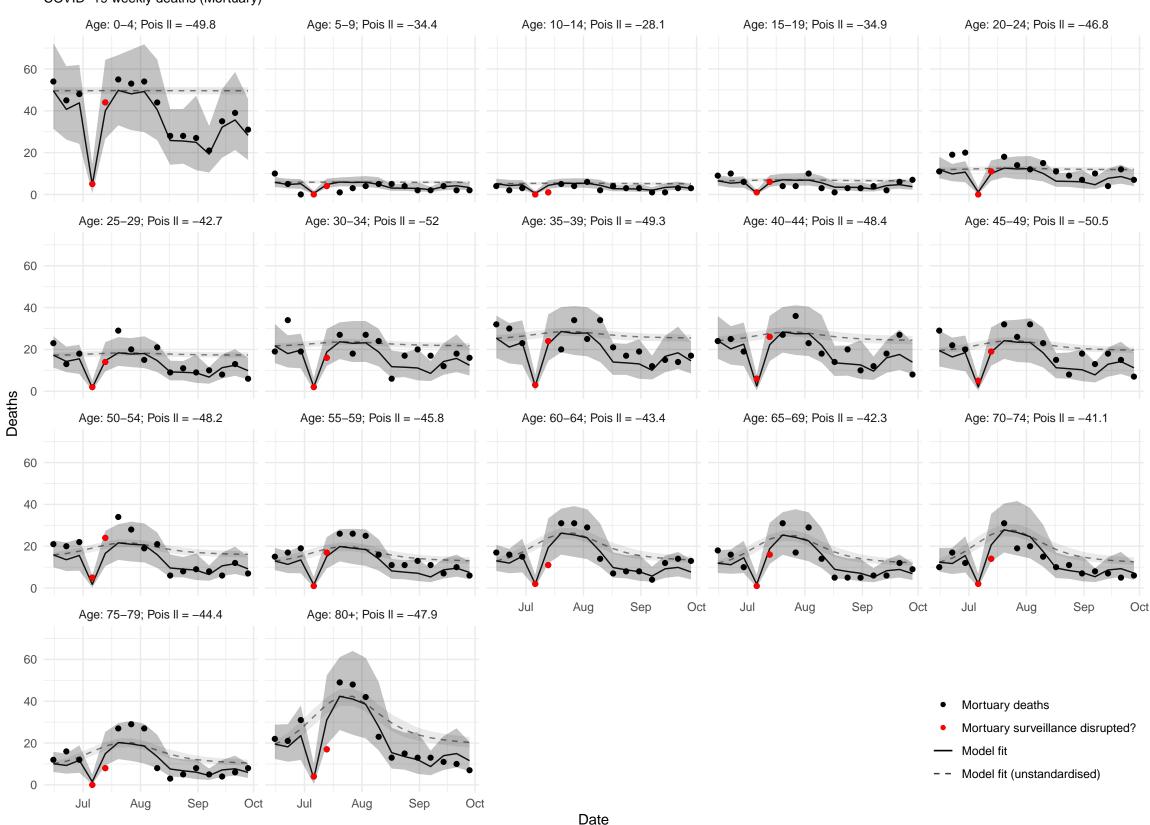


IFR x 0.8, Slope x 1.25 COVID–19 excess mortality: Comparison of MCMC results with squire results

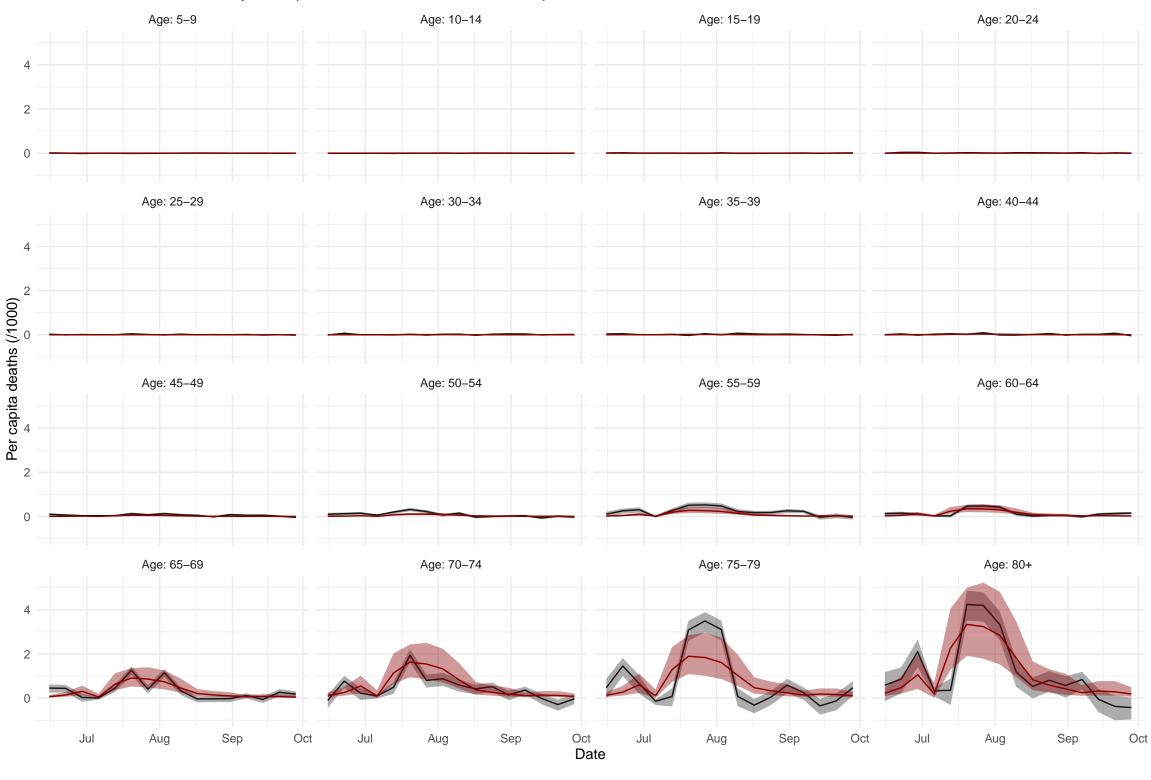


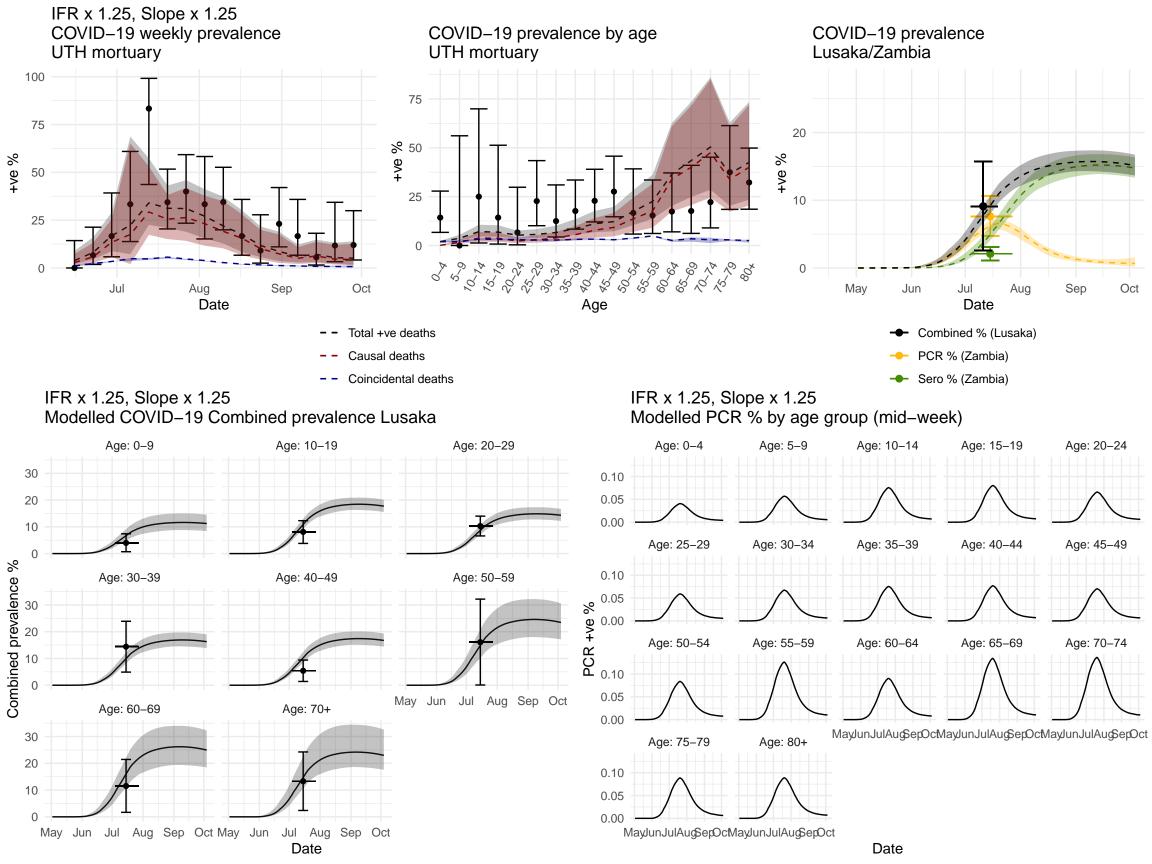


IFR x 1, Slope x 1.25 COVID–19 weekly deaths (Mortuary)

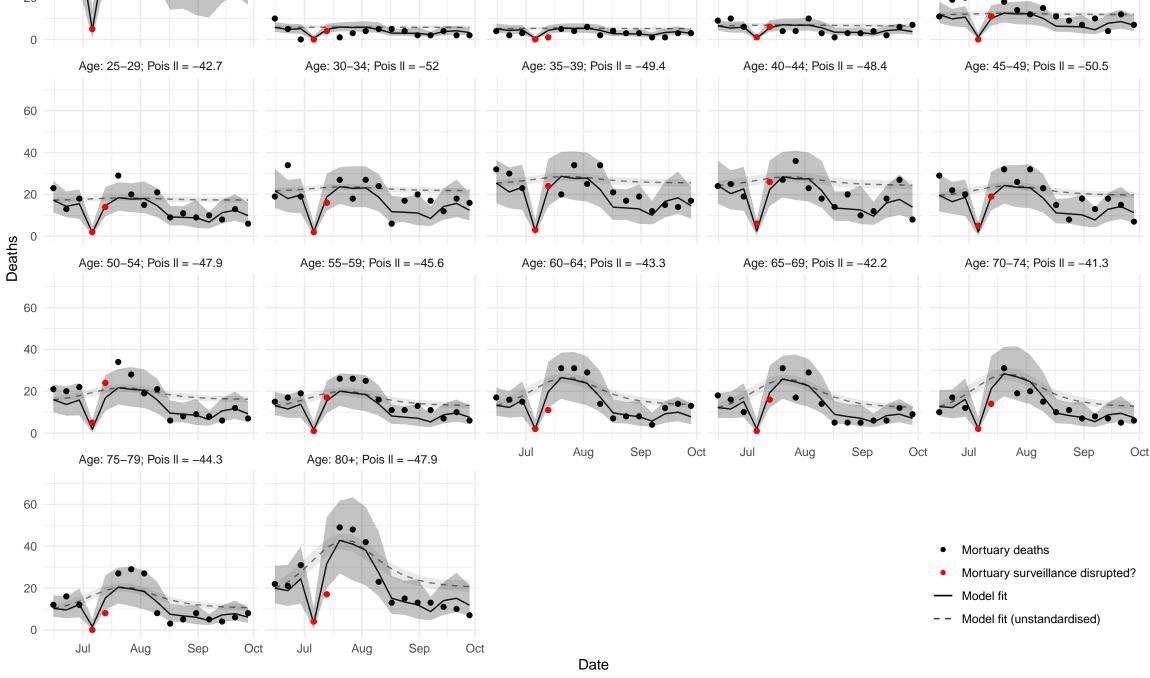


IFR x 1, Slope x 1.25 COVID–19 excess mortality: Comparison of MCMC results with squire results

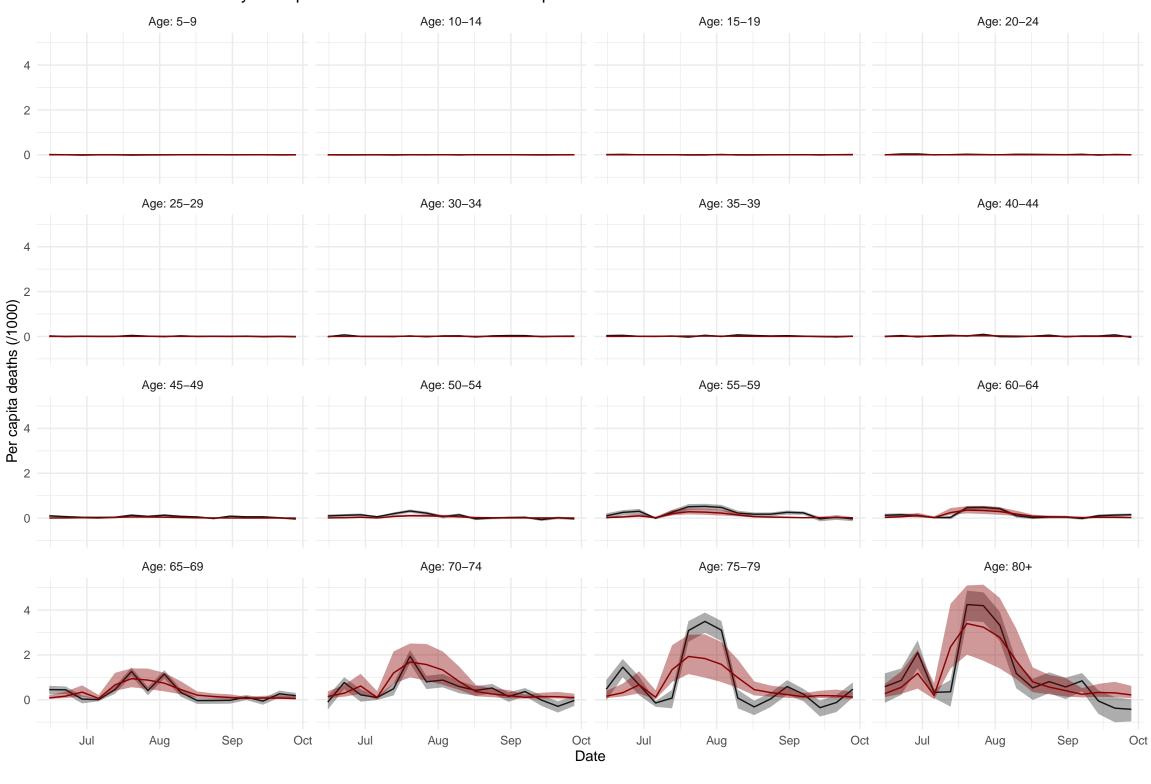


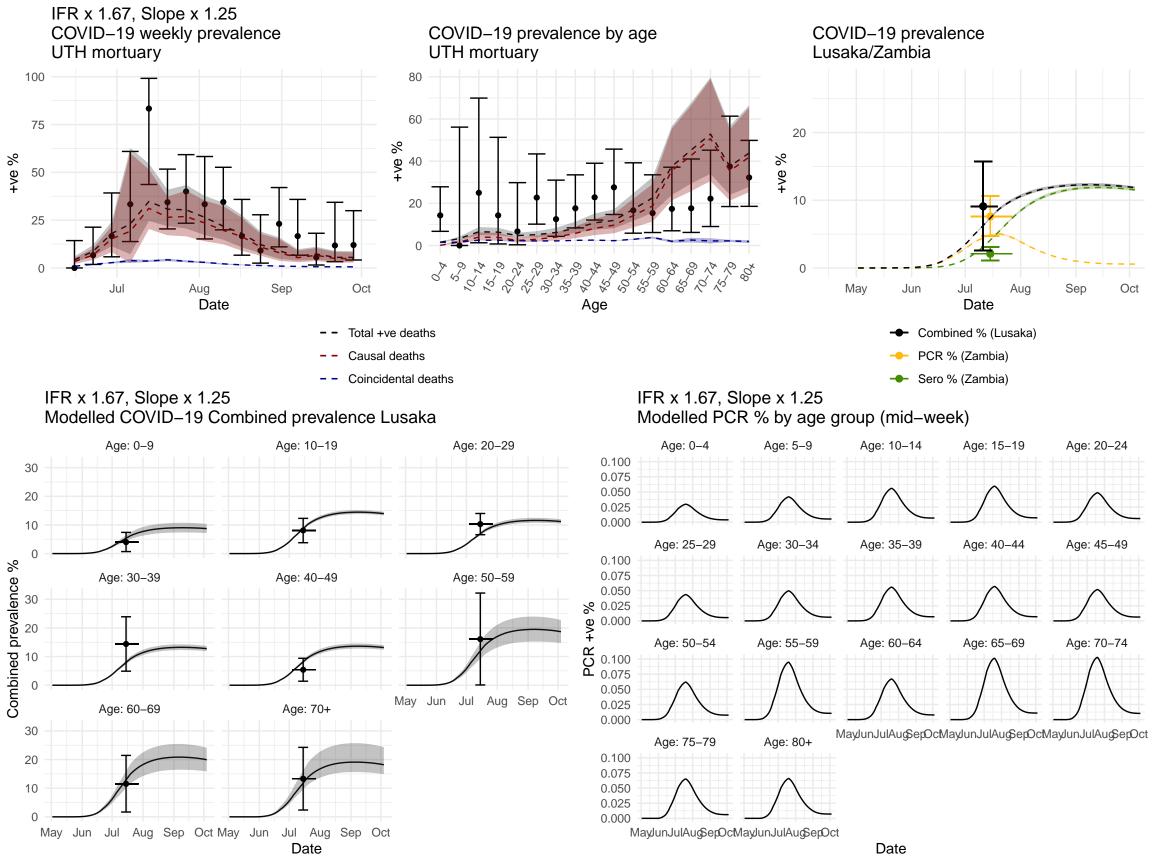


IFR x 1.25, Slope x 1.25 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -34.4Age: 10-14; Pois II = -28.1Age: 15-19; Pois II = -34.9Age: 20-24; Pois II = -46.760 40 20 0 Age: 25-29; Pois II = -42.7Age: 30-34; Pois II = -52Age: 35-39; Pois II = -49.4Age: 40-44; Pois II = -48.4Age: 45-49; Pois II = -50.5Age: 50-54; Pois II = -47.9Age: 55-59; Pois II = -45.6Age: 60-64; Pois II = -43.3Age: 65-69; Pois II = -42.2Age: 70-74; Pois II = -41.3

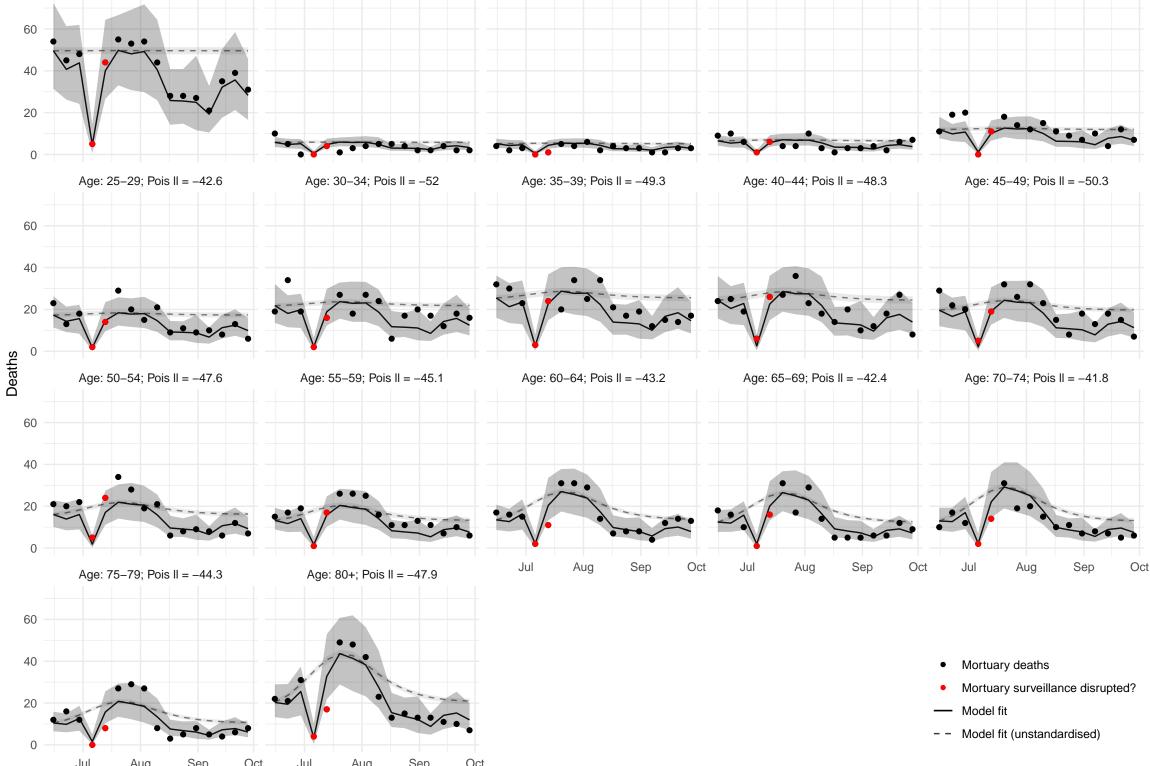


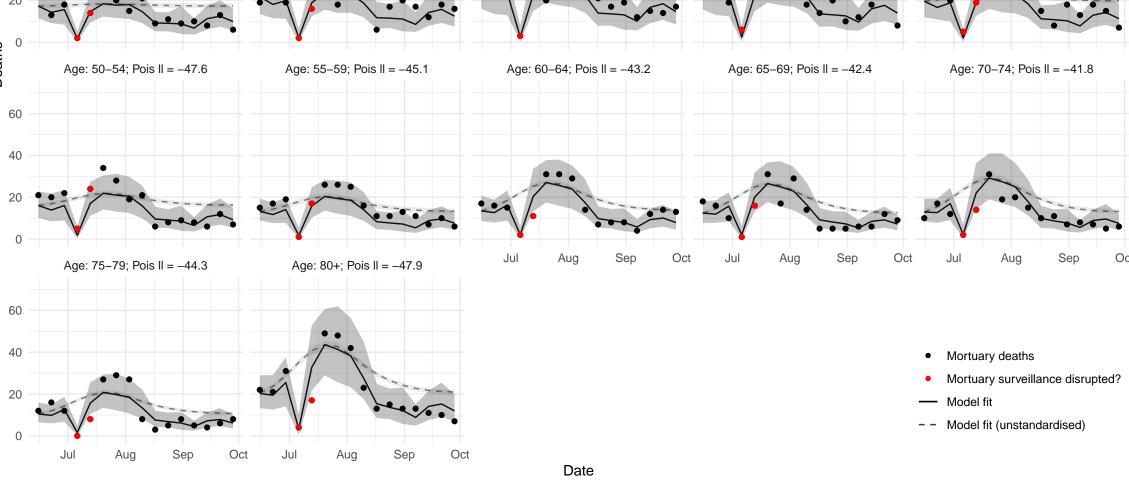
IFR x 1.25, Slope x 1.25 COVID–19 excess mortality: Comparison of MCMC results with squire results





IFR x 1.67, Slope x 1.25 COVID-19 weekly deaths (Mortuary) Age: 0-4; Pois II = -49.8Age: 5-9; Pois II = -34.4Age: 10-14; Pois II = -28.1Age: 15-19; Pois II = -34.9Age: 20-24; Pois II = -46.70 Age: 25-29; Pois II = -42.6Age: 30-34; Pois II = -52Age: 35-39; Pois II = -49.3Age: 40-44; Pois II = -48.3Age: 45-49; Pois II = -50.3Age: 50-54; Pois II = -47.6Age: 55-59; Pois II = -45.1Age: 60-64; Pois II = -43.2Age: 65-69; Pois II = -42.4Age: 70-74; Pois II = -41.8





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

