

A Empirical results for other countries

For all the countries reported below, $\gamma = 0.2$ except for France and Mexico where γ is set to 0.5 to keep β_t positive during the sample period.

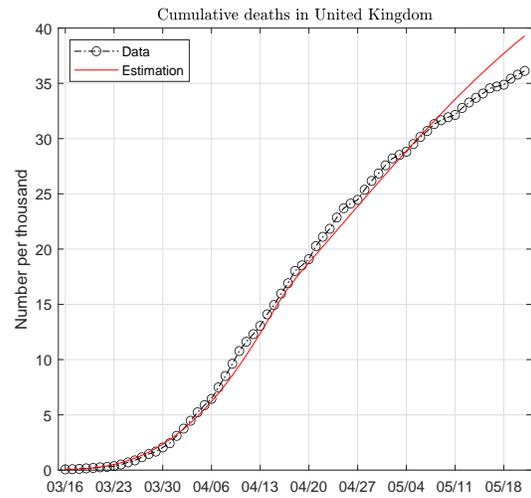
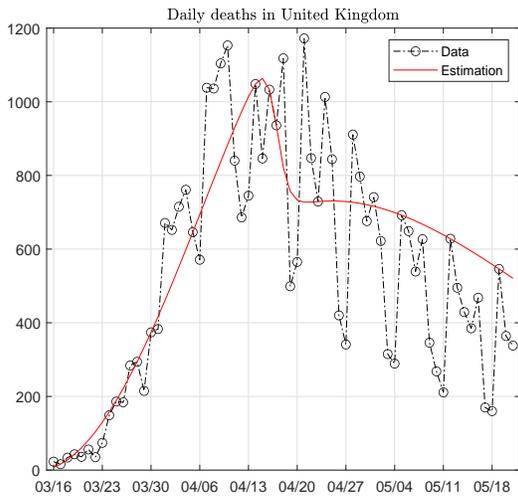


Figure A.1: Data and fitted paths of deaths in United Kingdom. The death pattern is fitted with a mixture of two Weibull functions.

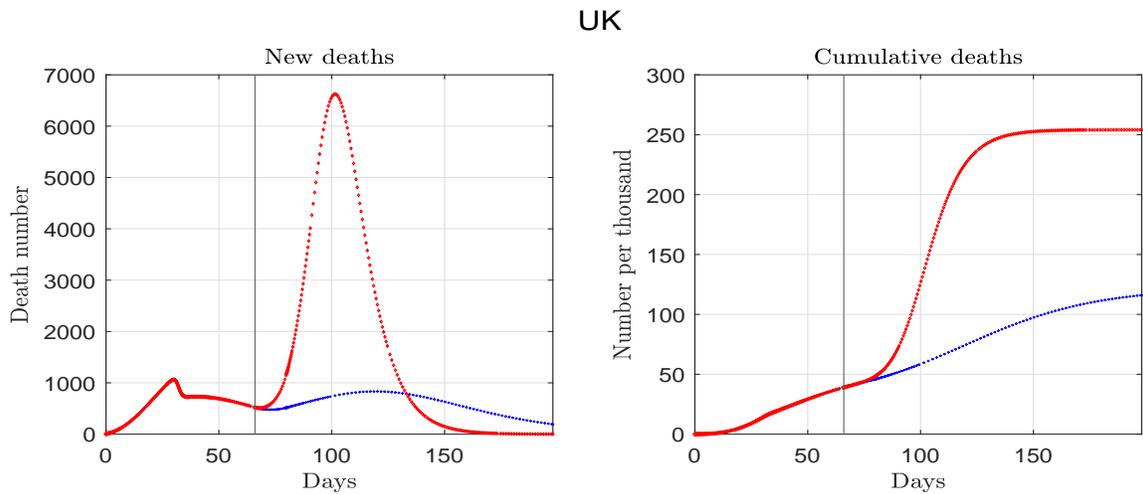


Figure A.2: Estimated and forecast deaths for United Kingdom. The vertical line marks the end of the sample.

UK

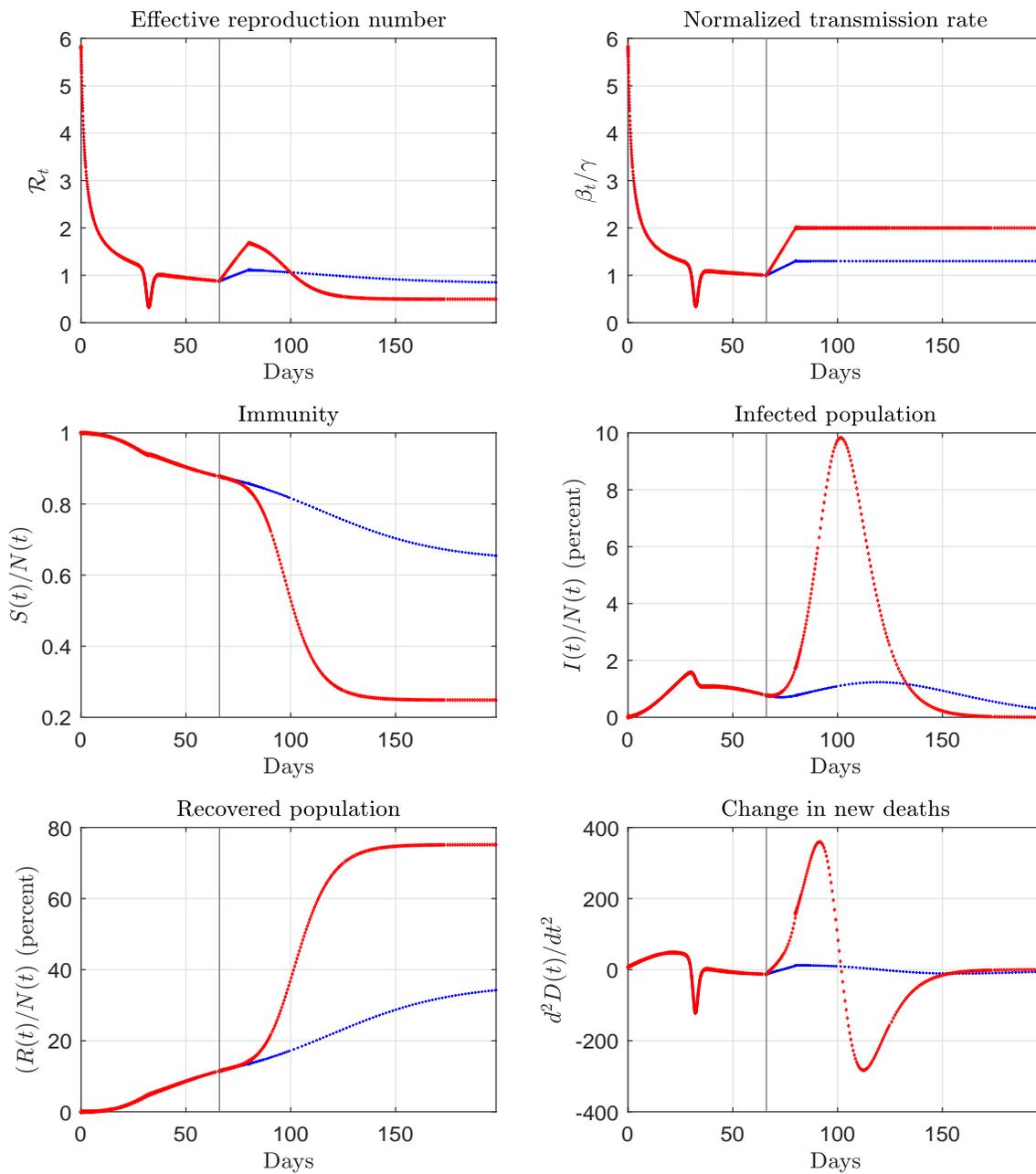


Figure A.3: Estimated and forecast paths for United Kingdom. The vertical line marks the end of the sample.

UK (counterfactual)

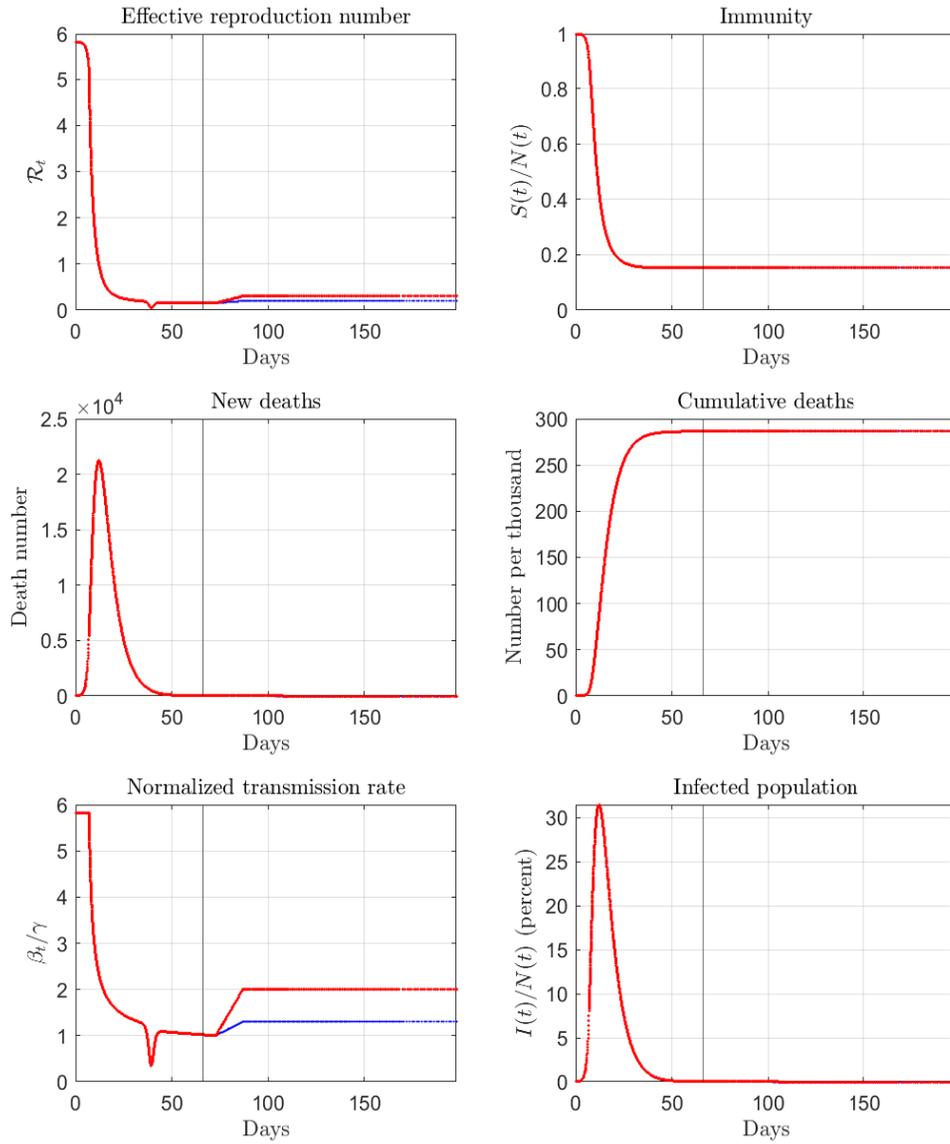


Figure A.4: Counterfactual paths for United Kingdom. The vertical line marks the end of the sample.

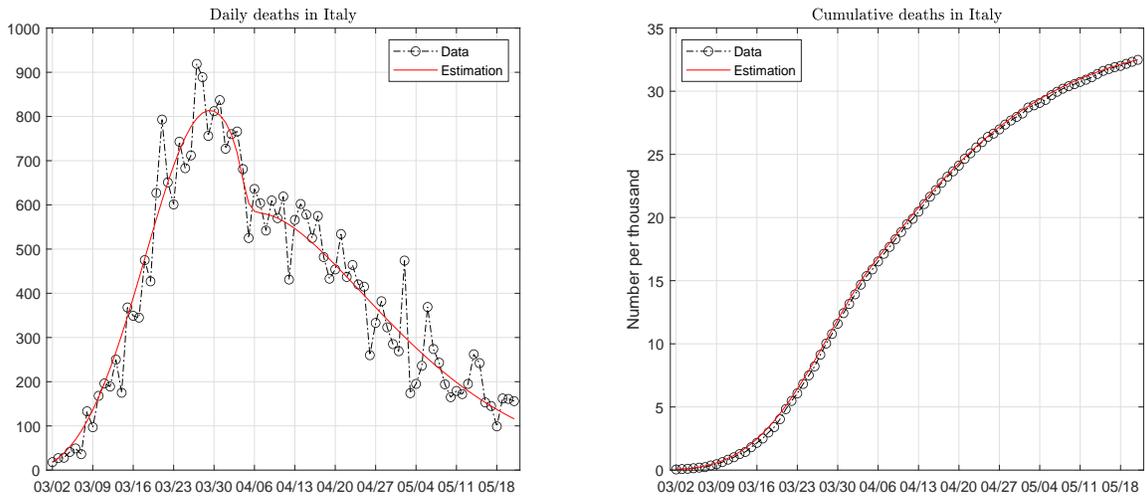


Figure A.5: Data and fitted paths of deaths in Italy. The death pattern is fitted with a mixture of two Weibull functions.

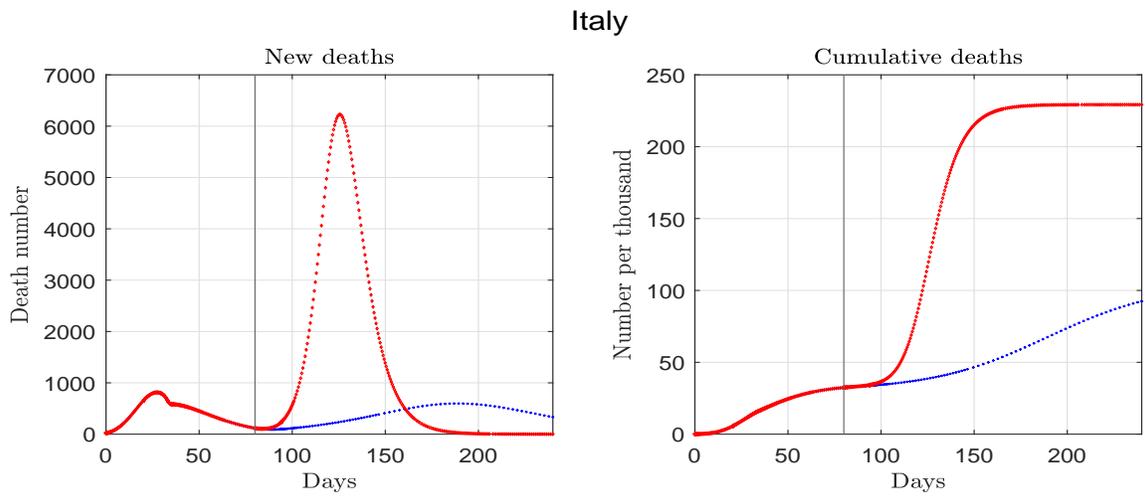


Figure A.6: Estimated and forecast deaths for Italy. The vertical line marks the end of the sample.

Italy

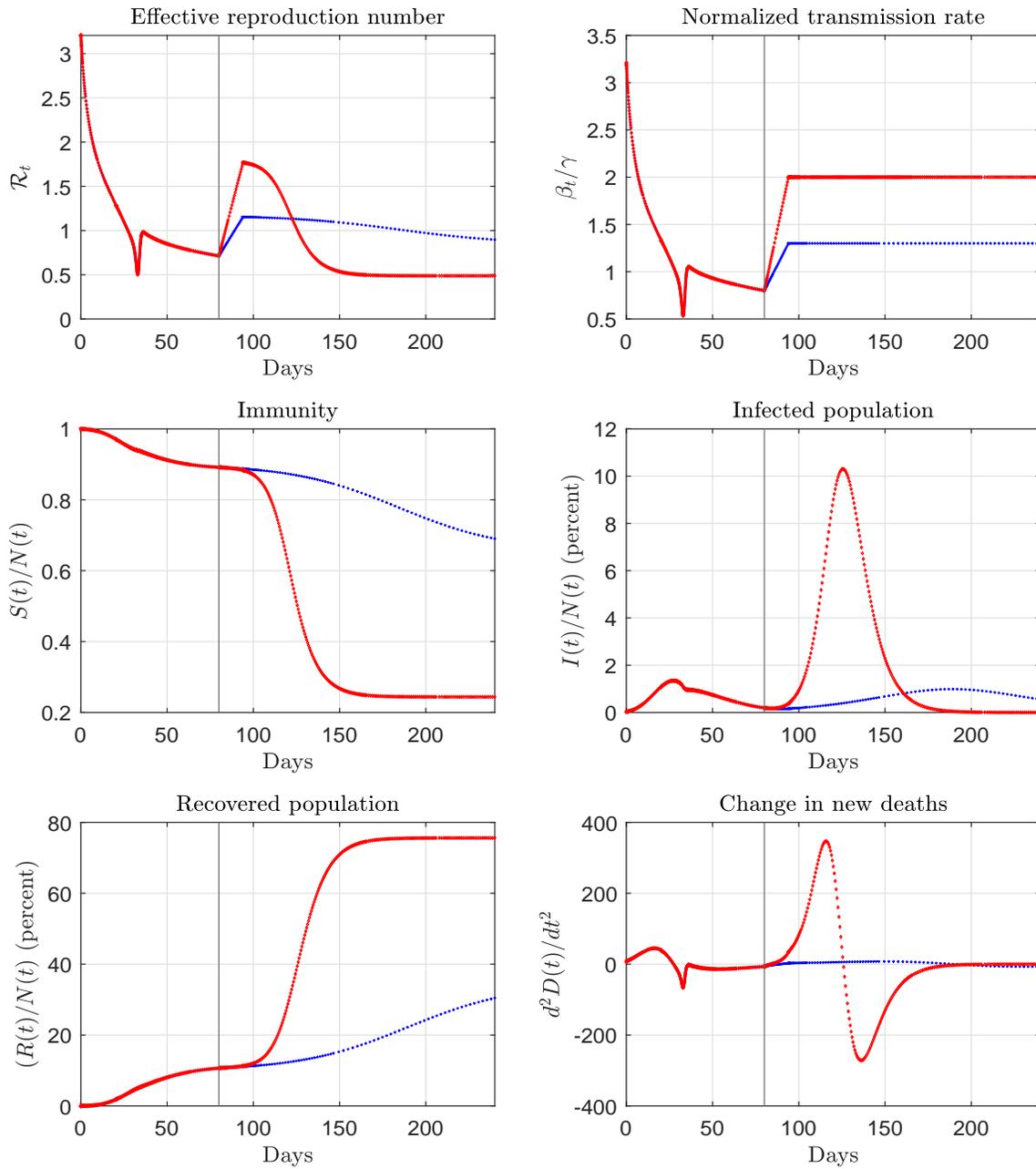


Figure A.7: Estimated and forecast paths for Italy. The vertical line marks the end of the sample.

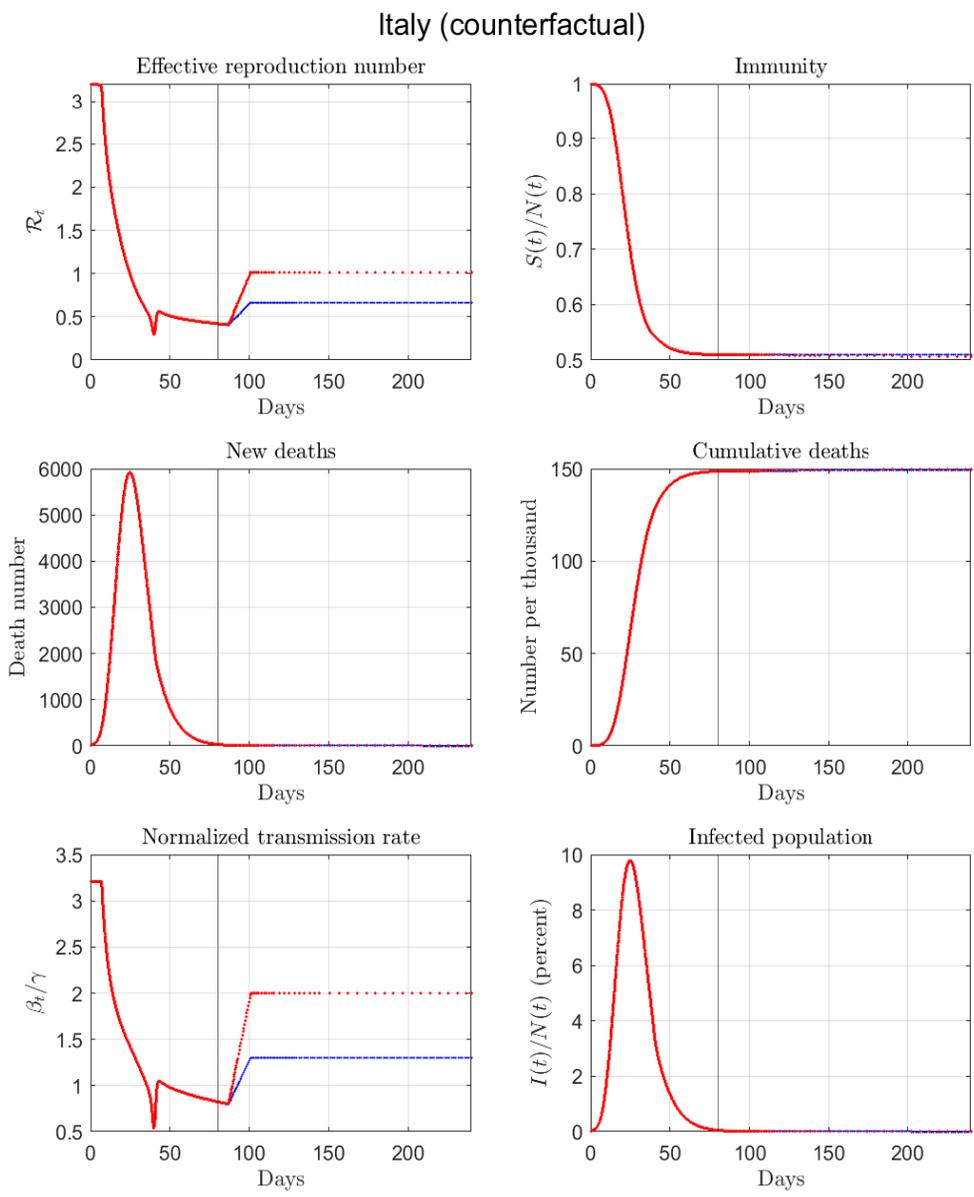


Figure A.8: Counterfactual paths for Italy. The vertical line marks the end of the sample.

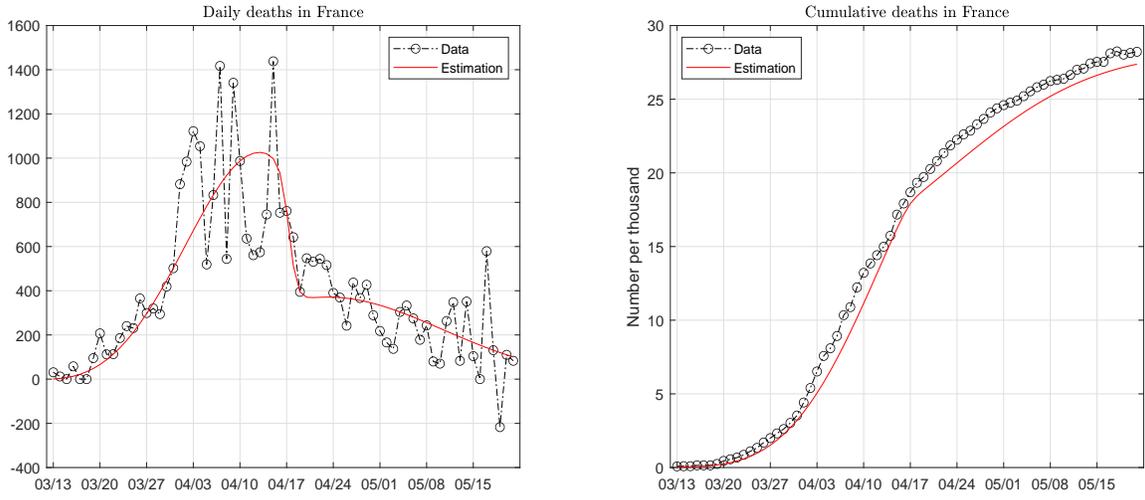


Figure A.9: Data and fitted paths of deaths in France. The death pattern is fitted with a mixture of two Weibull functions.

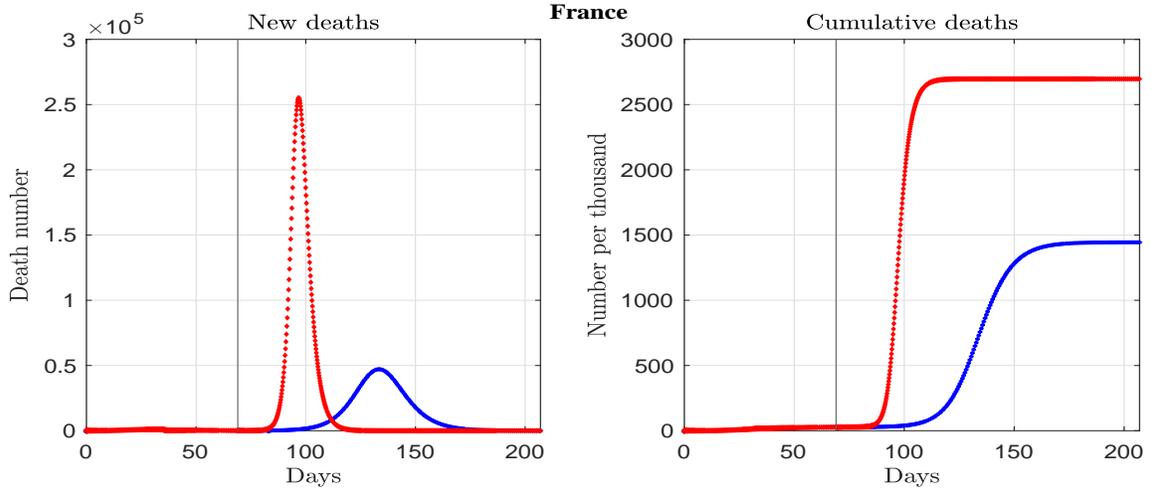


Figure A.10: Estimated and forecast deaths for France. The vertical line marks the end of the sample.

France

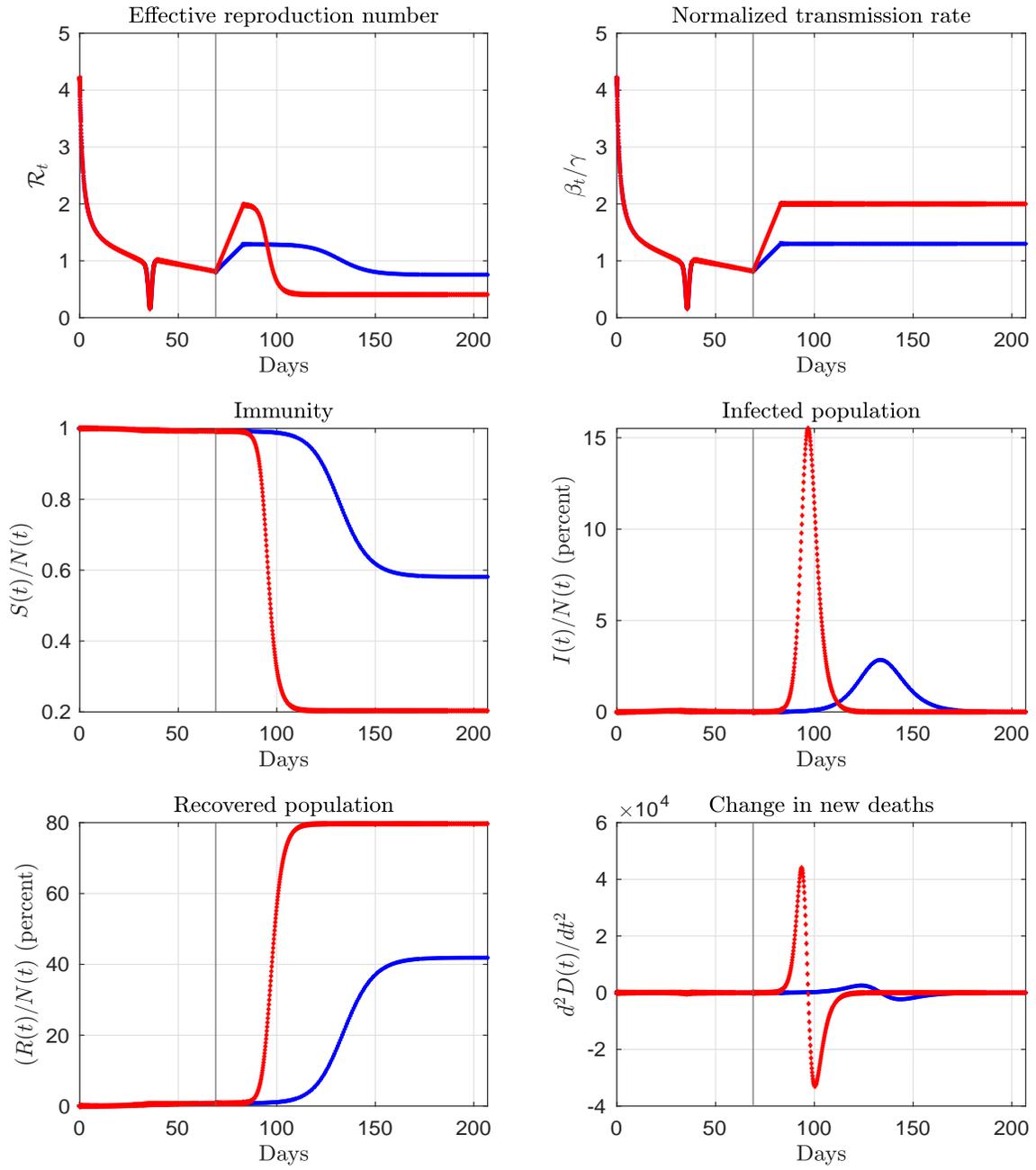


Figure A.11: Estimated and forecast paths for France. The vertical line marks the end of the sample.

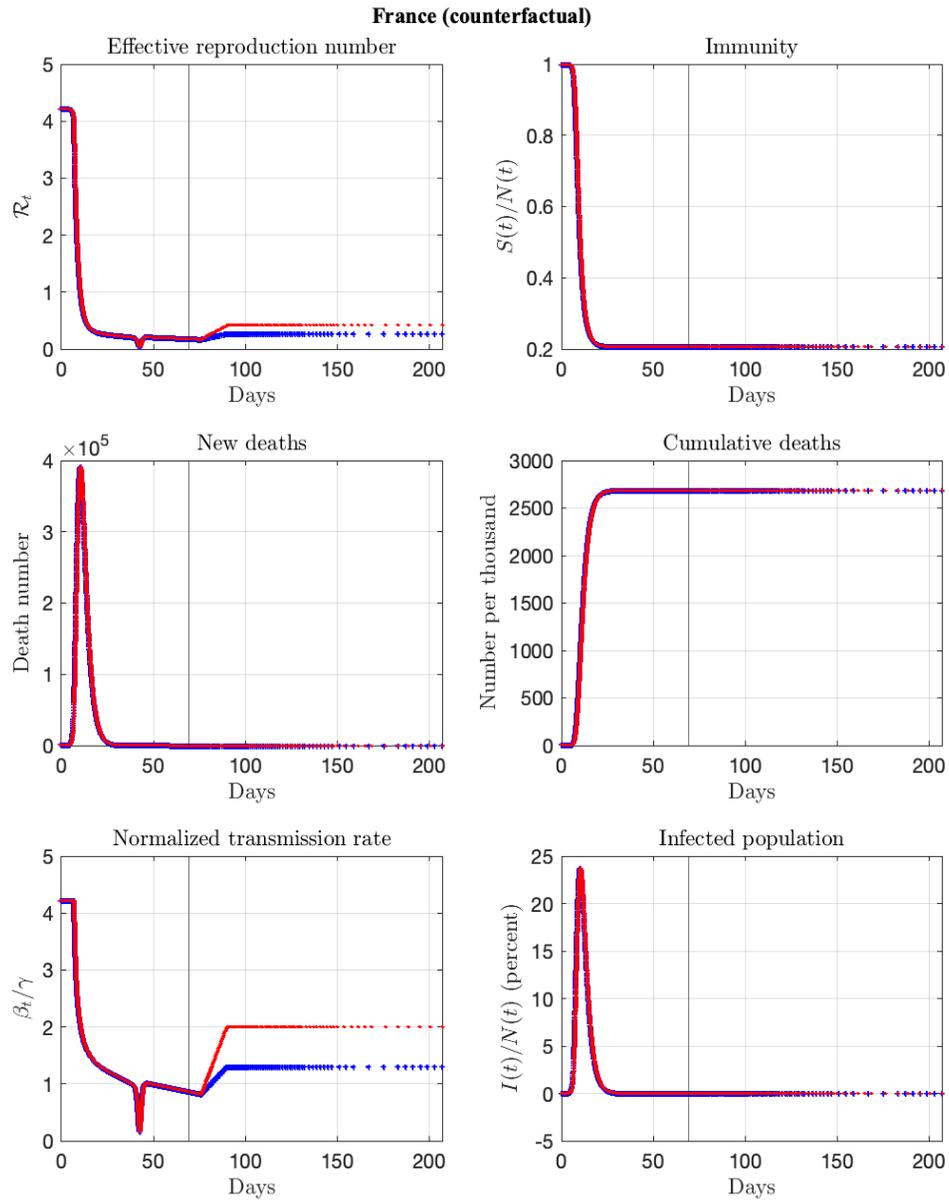


Figure A.12: Counterfactual paths for France. The vertical line marks the end of the sample.

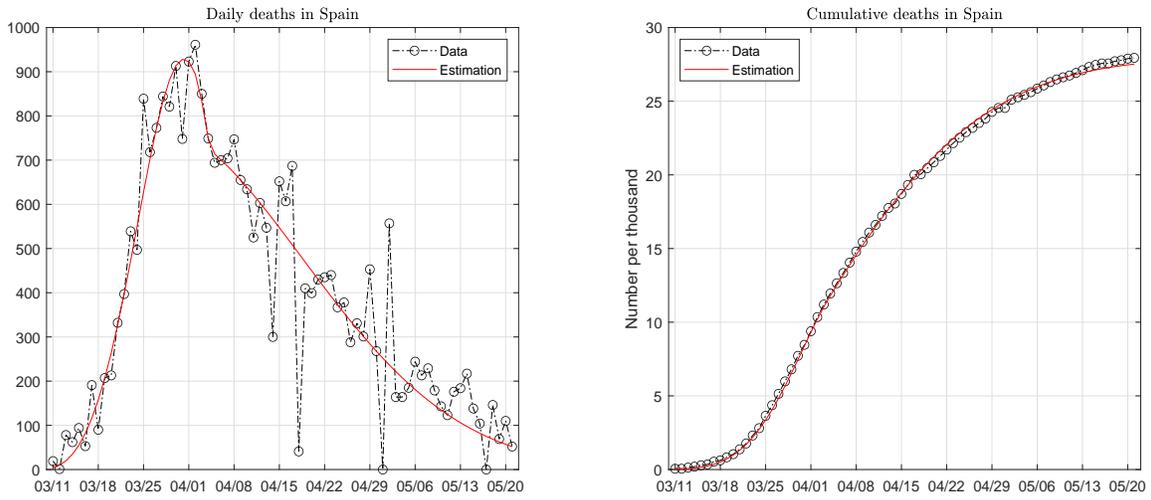


Figure A.13: Data and fitted paths of deaths in Spain. The death pattern is fitted with a mixture of two Weibull functions.

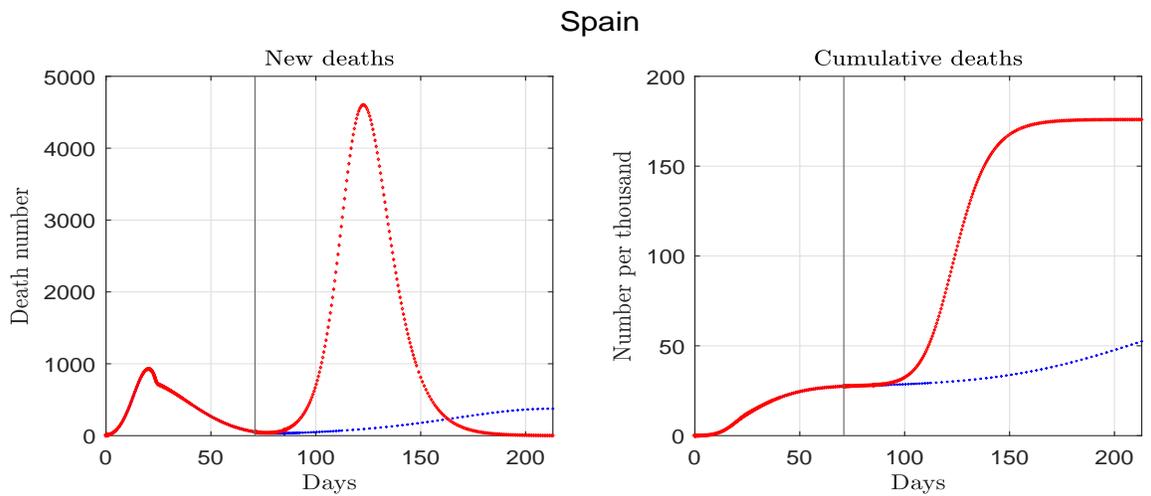


Figure A.14: Estimated and forecast deaths for Spain. The vertical line marks the end of the sample.

Spain

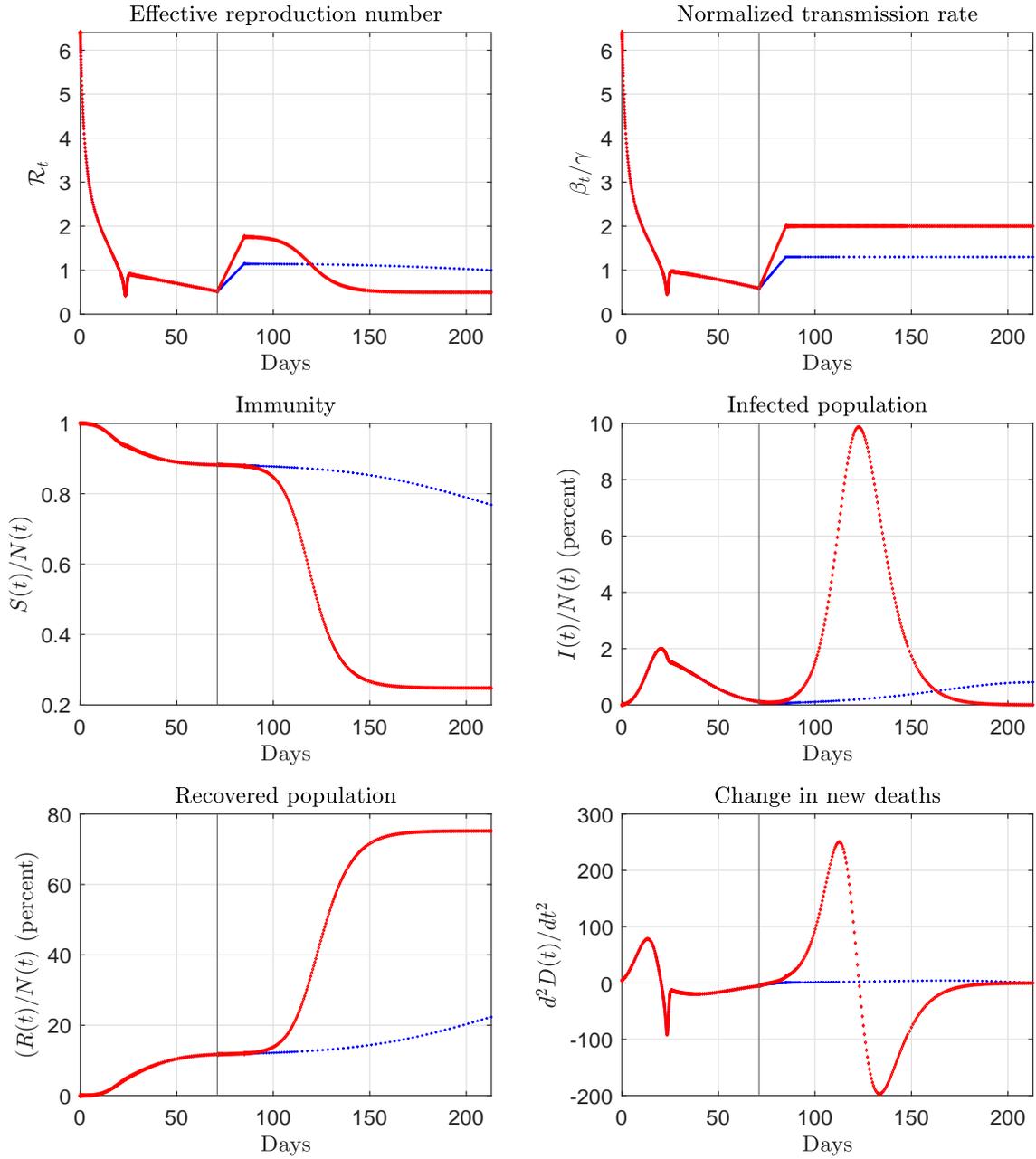


Figure A.15: Estimated and forecast paths for Spain. The vertical line marks the end of the sample.

Spain (counterfactual)

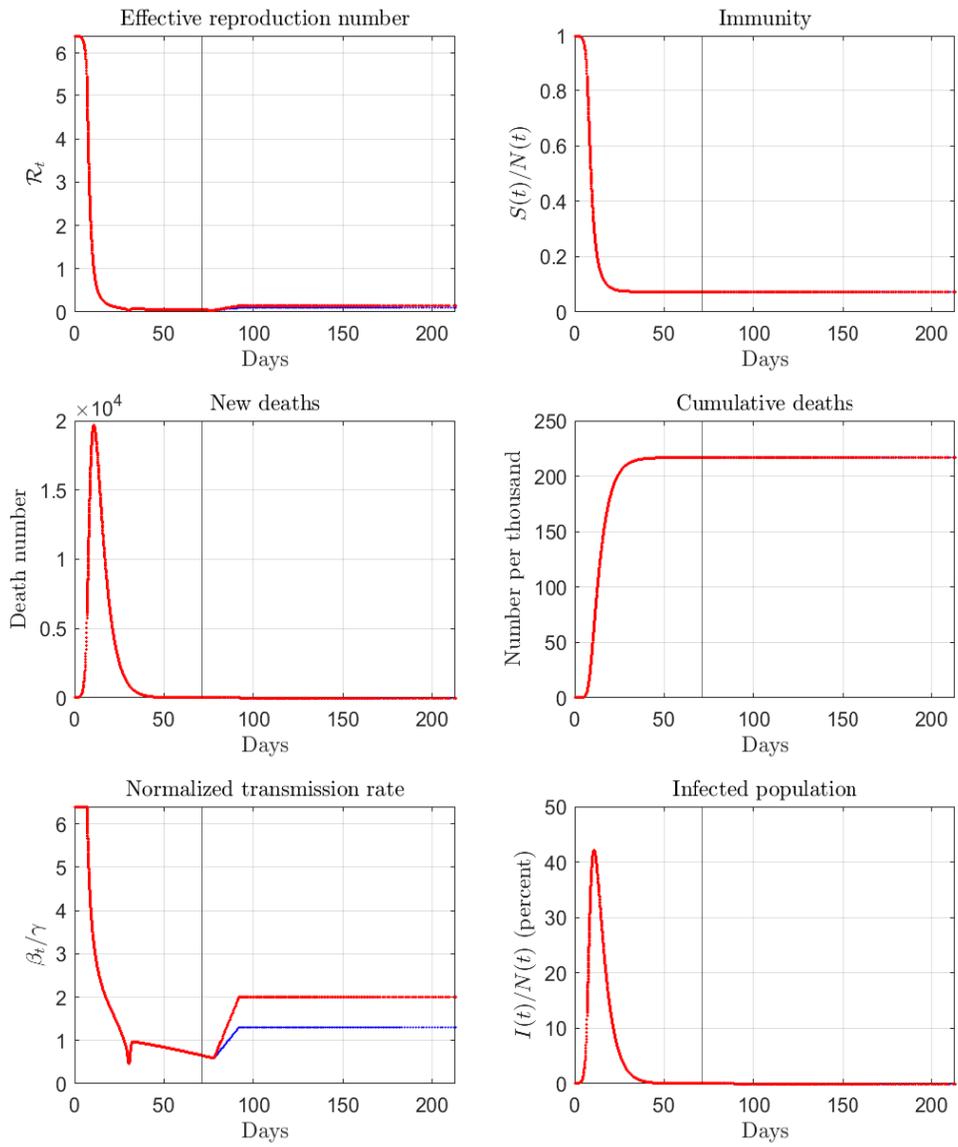


Figure A.16: Counterfactual paths for Spain. The vertical line marks the end of the sample.

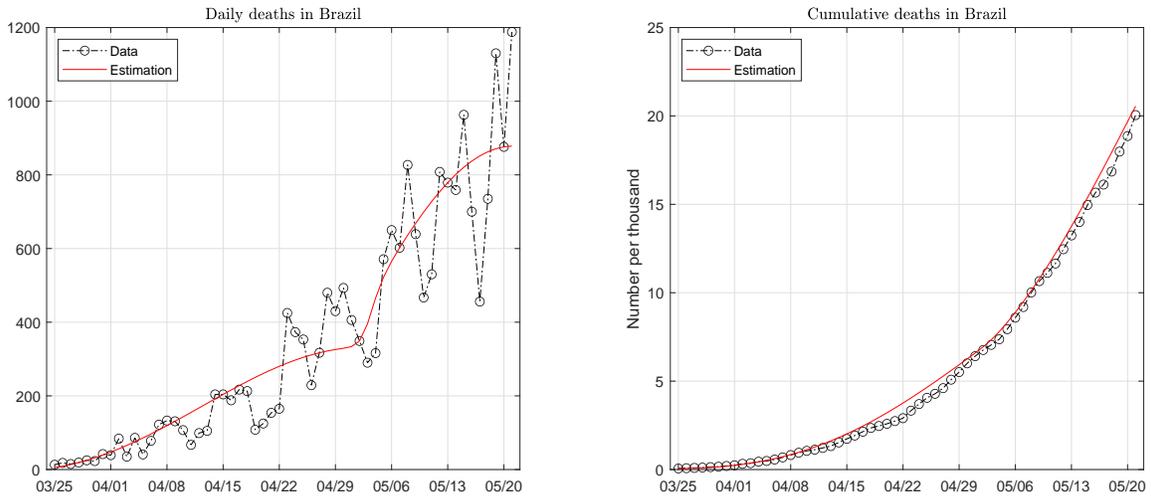


Figure A.17: Data and fitted paths of deaths in Brazil. The death pattern is fitted with a mixture of two Weibull functions.

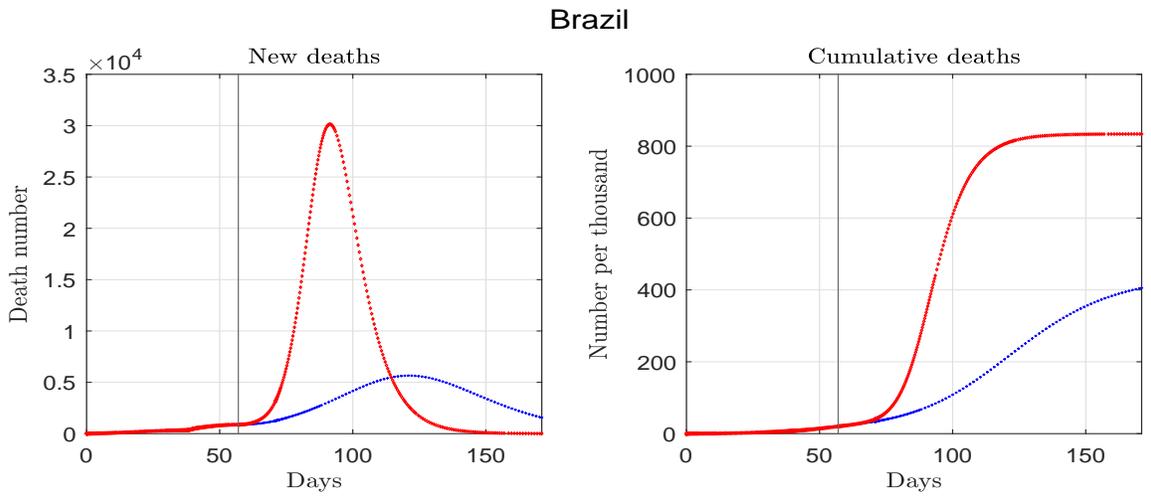


Figure A.18: Estimated and forecast deaths for Brazil. The vertical line marks the end of the sample.

Brazil

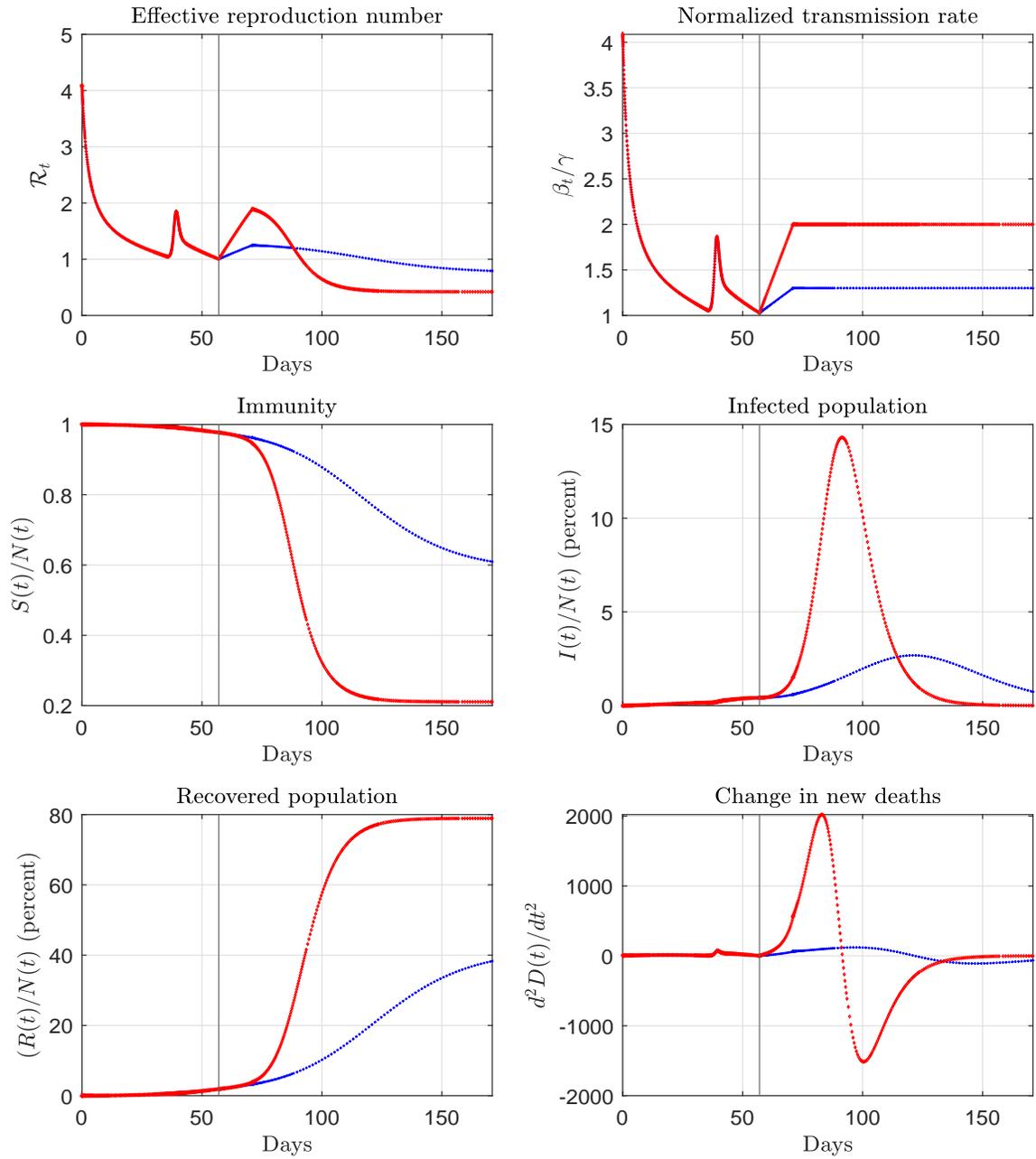


Figure A.19: Estimated and forecast paths for Brazil. The vertical line marks the end of the sample.

Brazil (counterfactual)

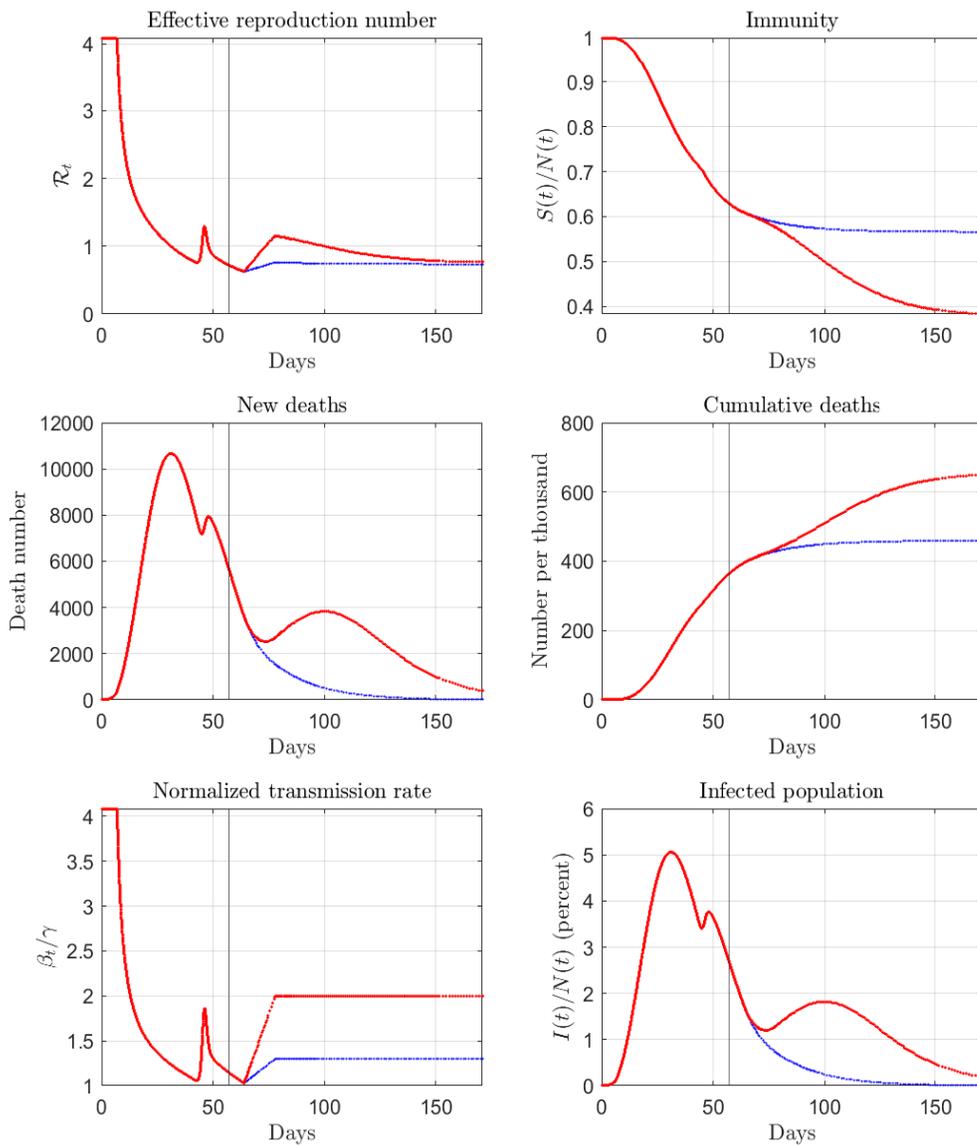


Figure A.20: Counterfactual paths for Brazil. The vertical line marks the end of the sample.

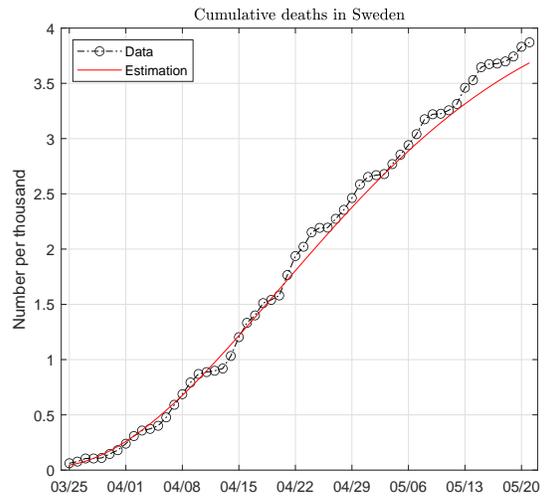
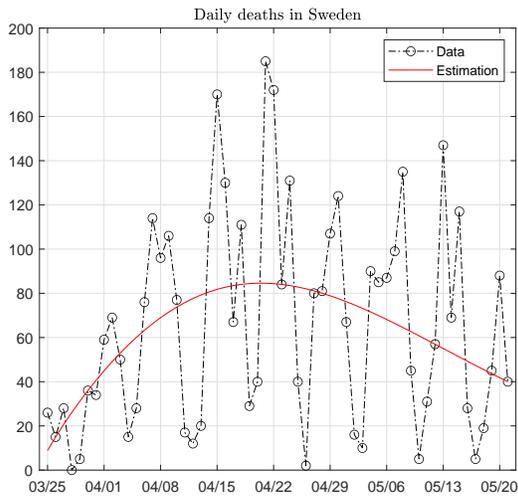


Figure A.21: Data and fitted paths of deaths in Sweden. The death pattern is fitted with a mixture of two Weibull functions.

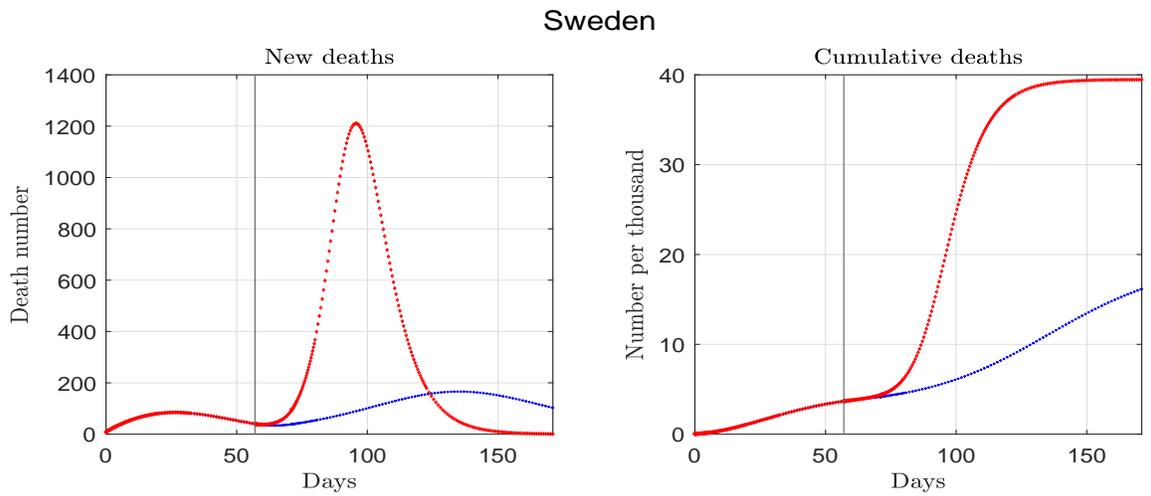


Figure A.22: Estimated and forecast deaths for Sweden. The vertical line marks the end of the sample.

Sweden

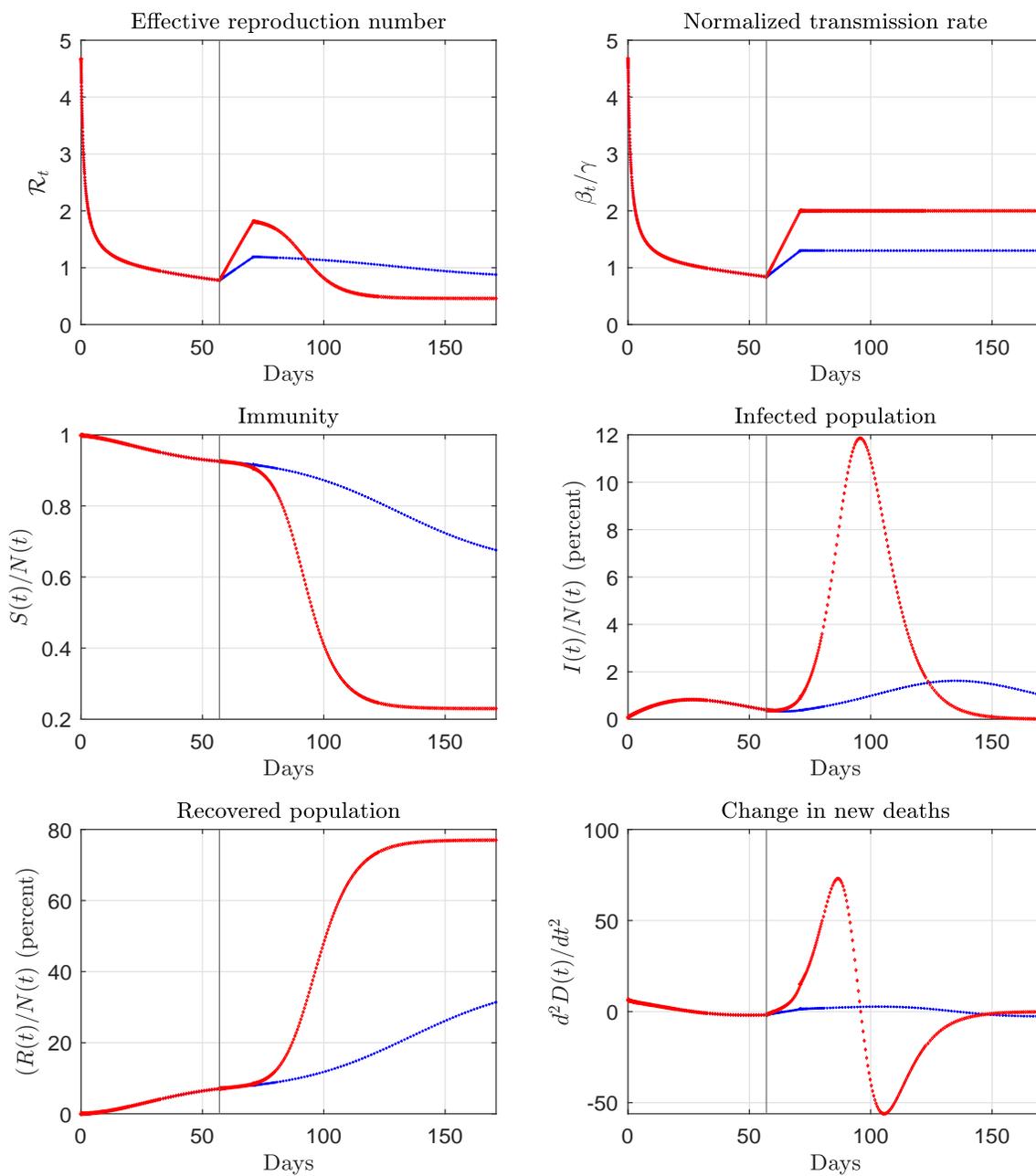


Figure A.23: Estimated and forecast paths for Sweden. The vertical line marks the end of the sample.

Sweden (counterfactual)

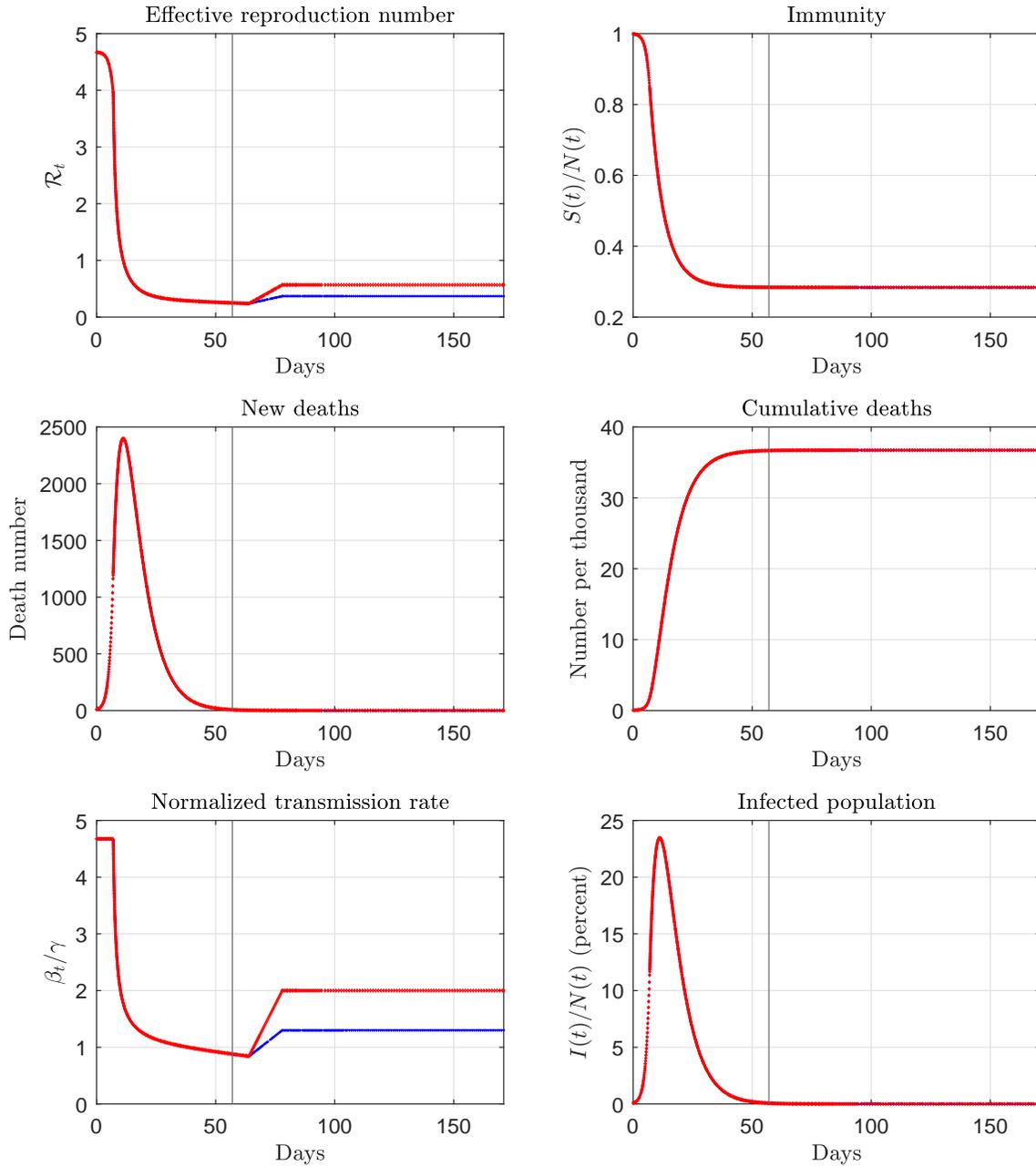


Figure A.24: Counterfactual paths for Sweden. The vertical line marks the end of the sample.

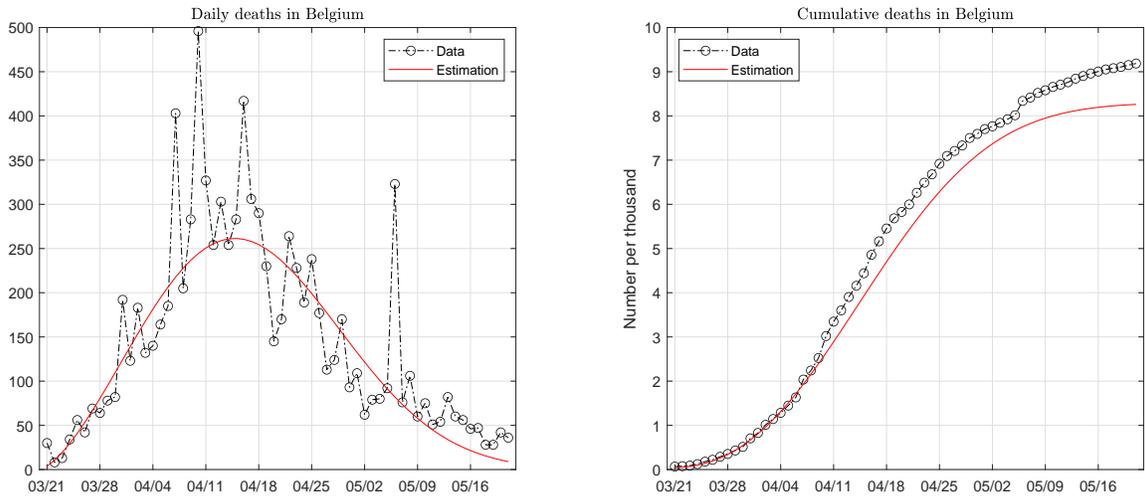


Figure A.25: Data and fitted paths of deaths in Belgium. The death pattern is fitted with a mixture of two Weibull functions.

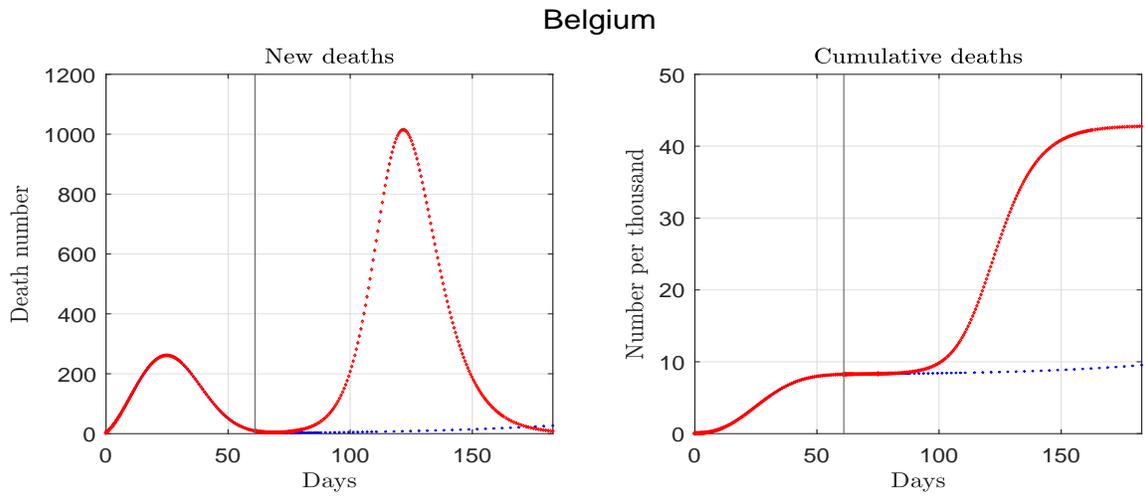


Figure A.26: Estimated and forecast deaths for Belgium. The vertical line marks the end of the sample.

Belgium

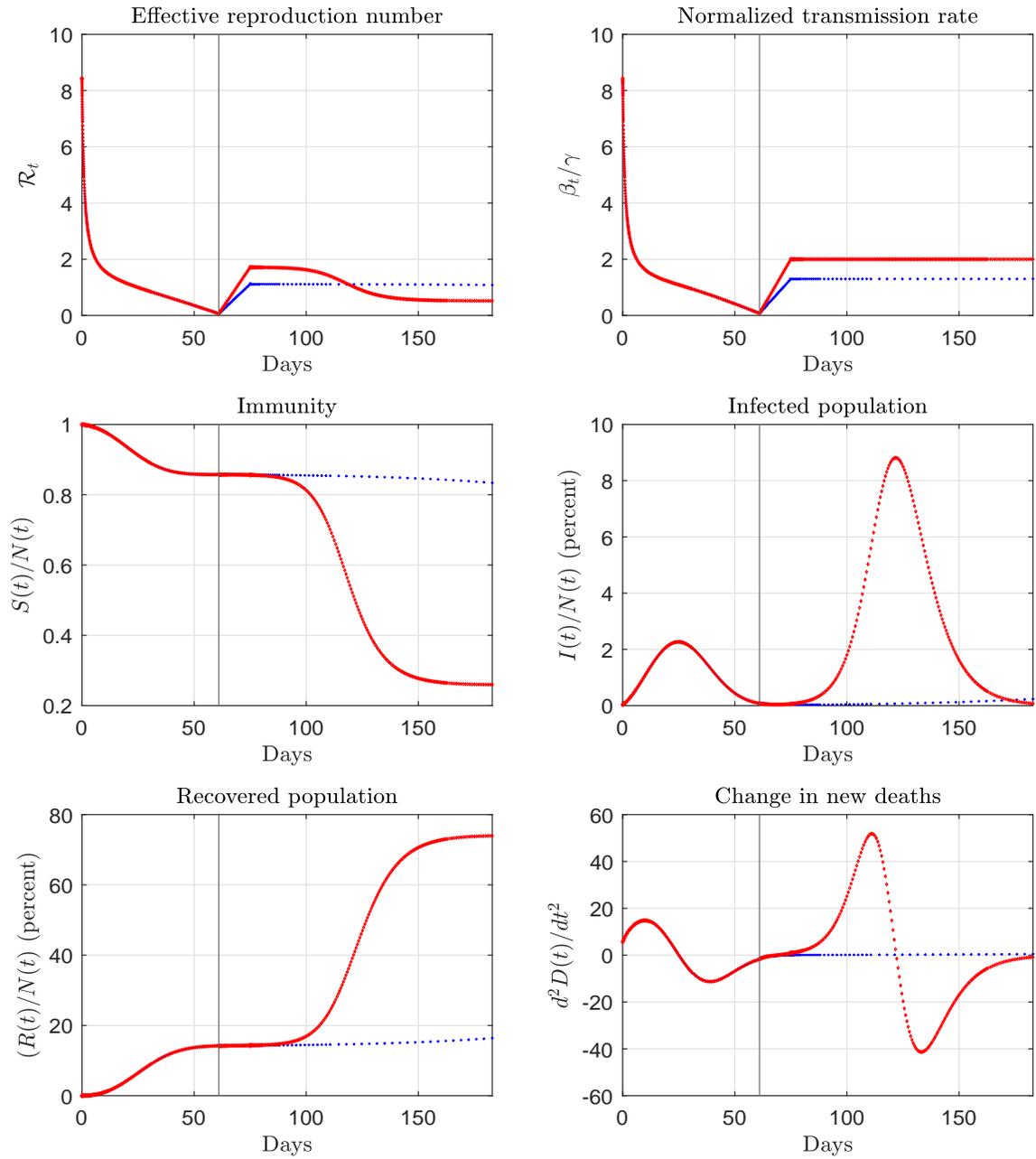


Figure A.27: Estimated and forecast paths for Belgium. The vertical line marks the end of the sample.

Belgium (counterfactual)

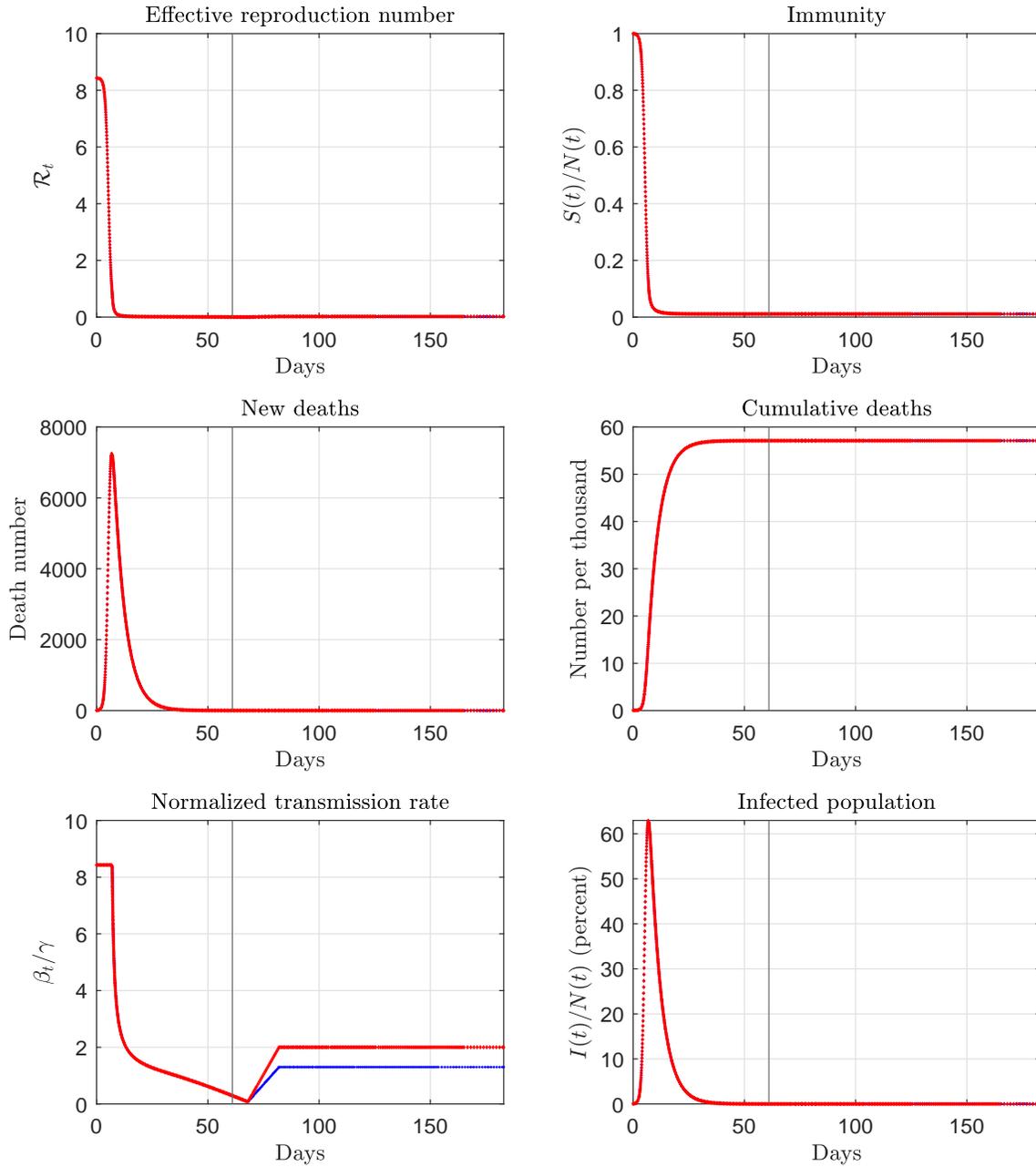


Figure A.28: Counterfactual paths for Belgium. The vertical line marks the end of the sample.

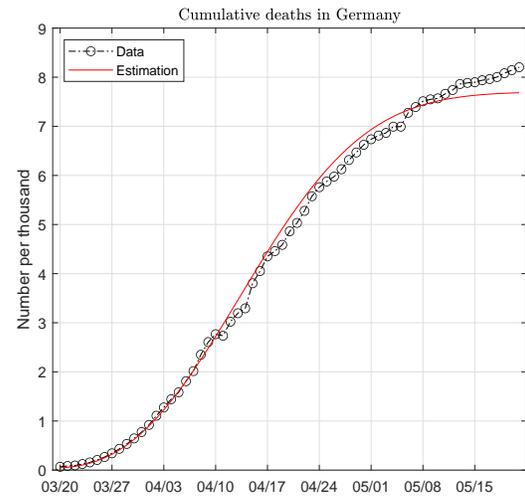
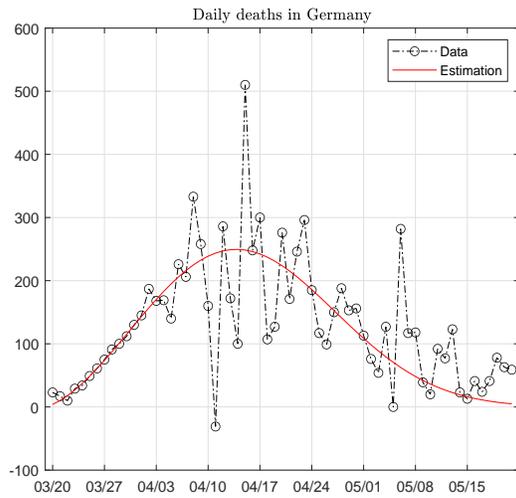


Figure A.29: Data and fitted paths of deaths in Germany. The death pattern is fitted with a mixture of two Weibull functions.

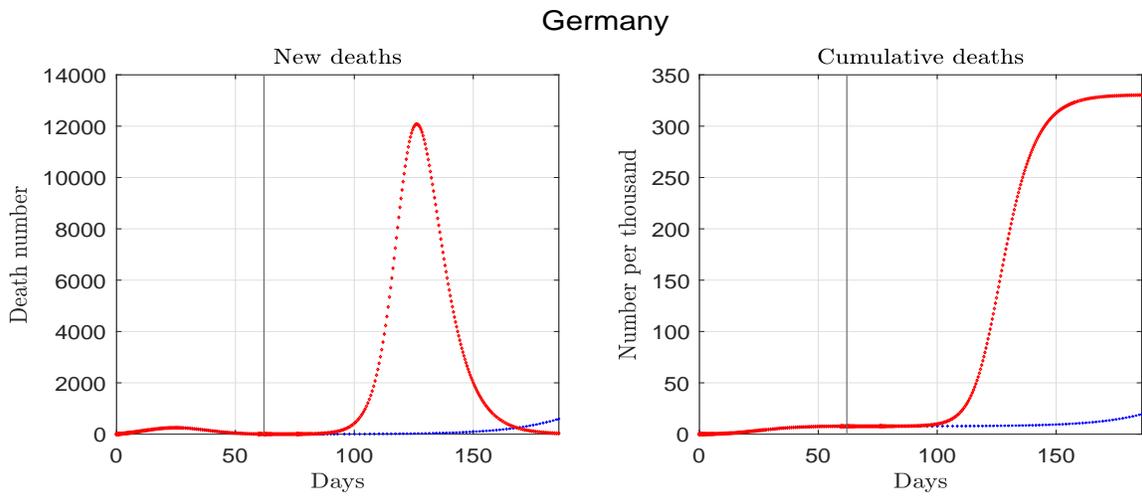


Figure A.30: Estimated and forecast deaths for Germany. The vertical line marks the end of the sample.

Germany

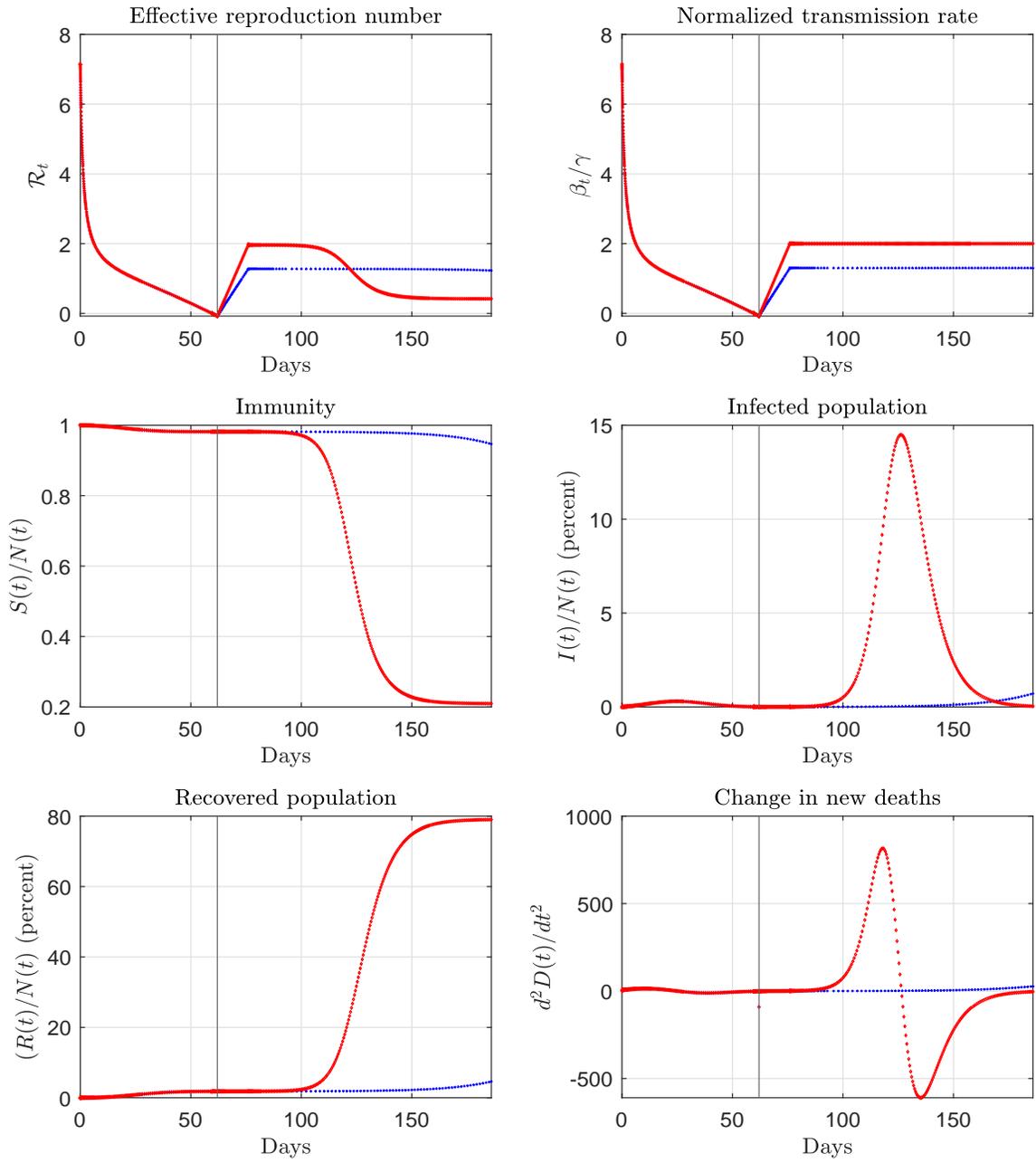


Figure A.31: Estimated and forecast paths for Germany. The vertical line marks the end of the sample.

Germany (counterfactual)

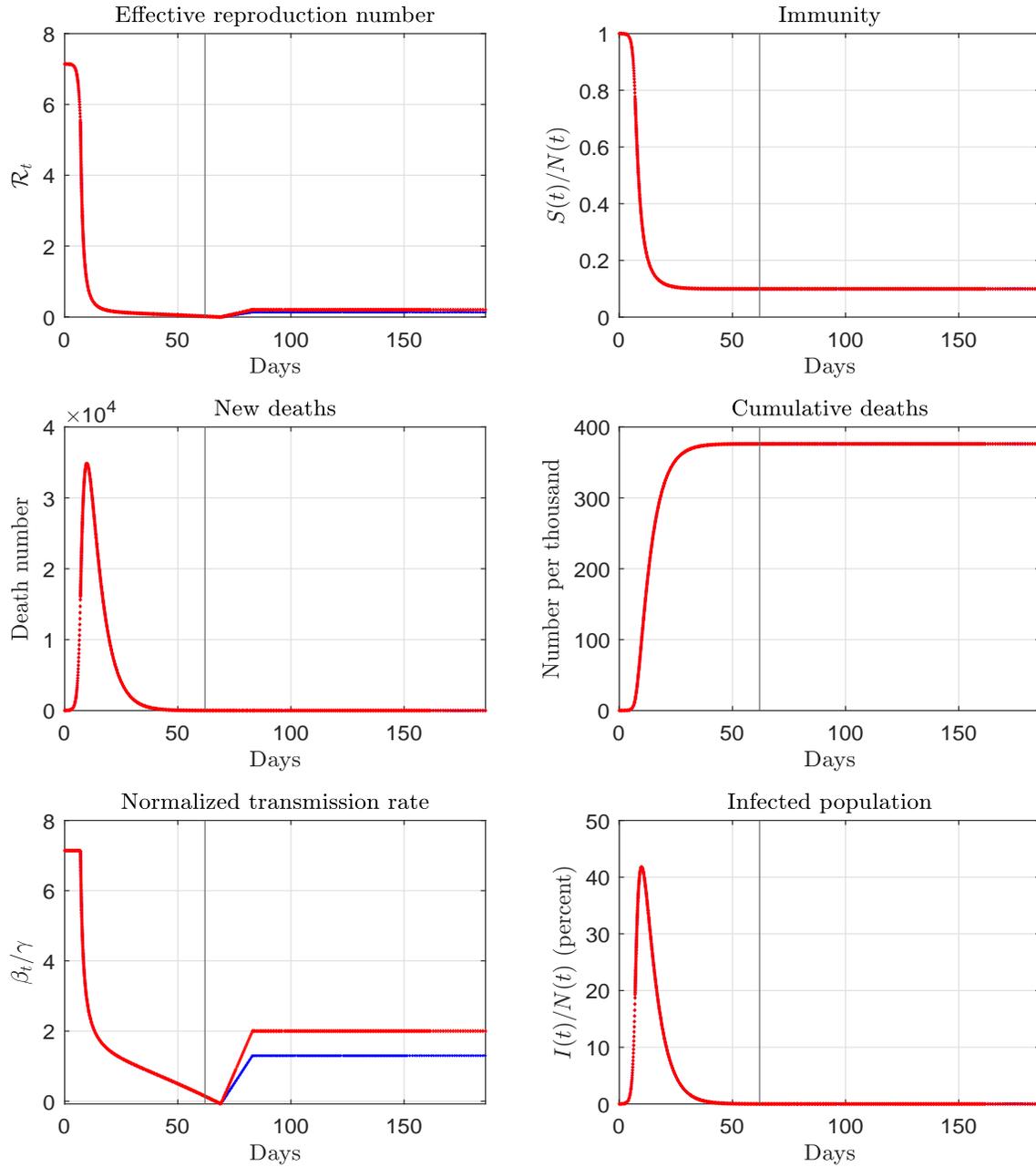


Figure A.32: Counterfactual paths for Germany. The vertical line marks the end of the sample.

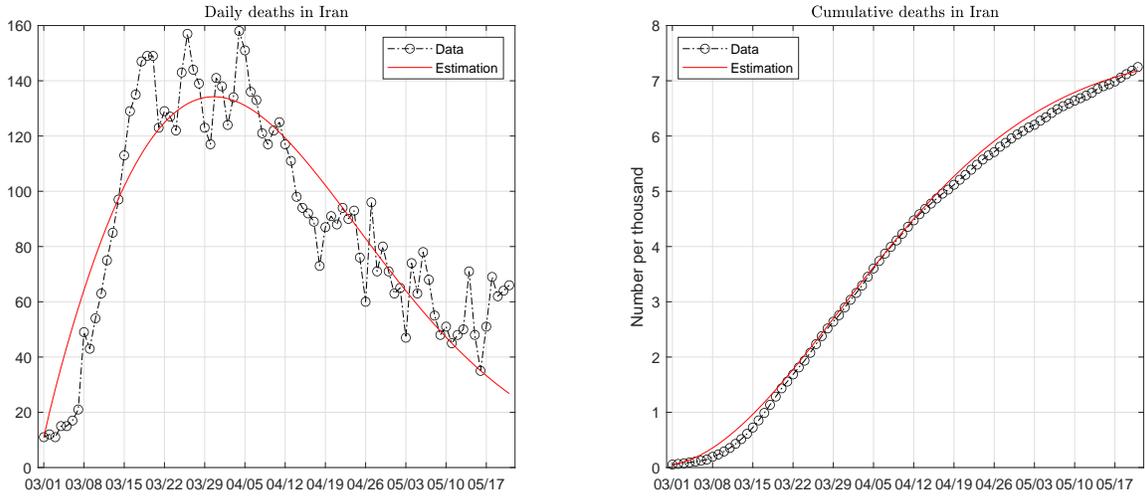


Figure A.33: Data and fitted paths of deaths in Iran. The death pattern is fitted with a mixture of two Weibull functions.

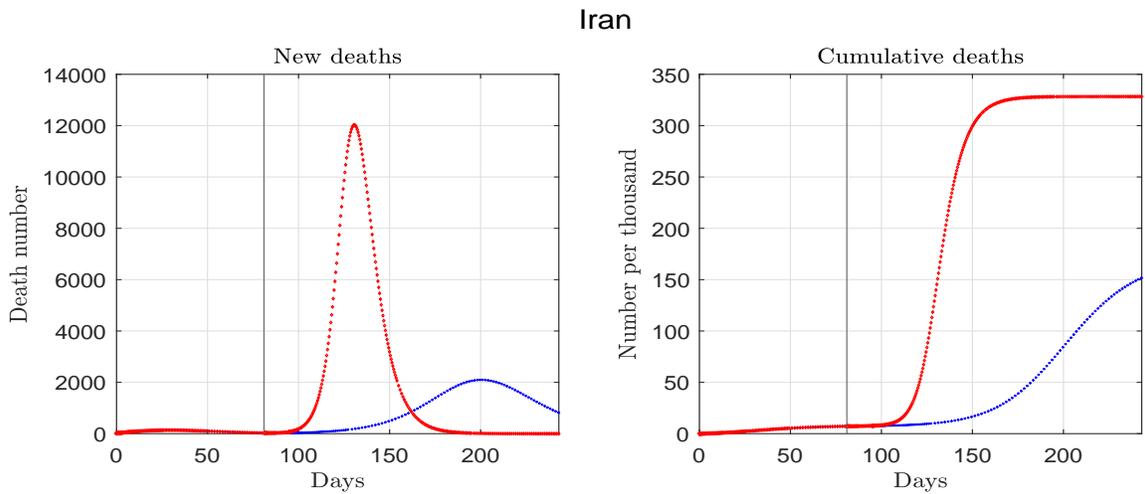


Figure A.34: Estimated and forecast deaths for Iran. The vertical line marks the end of the sample.

Iran

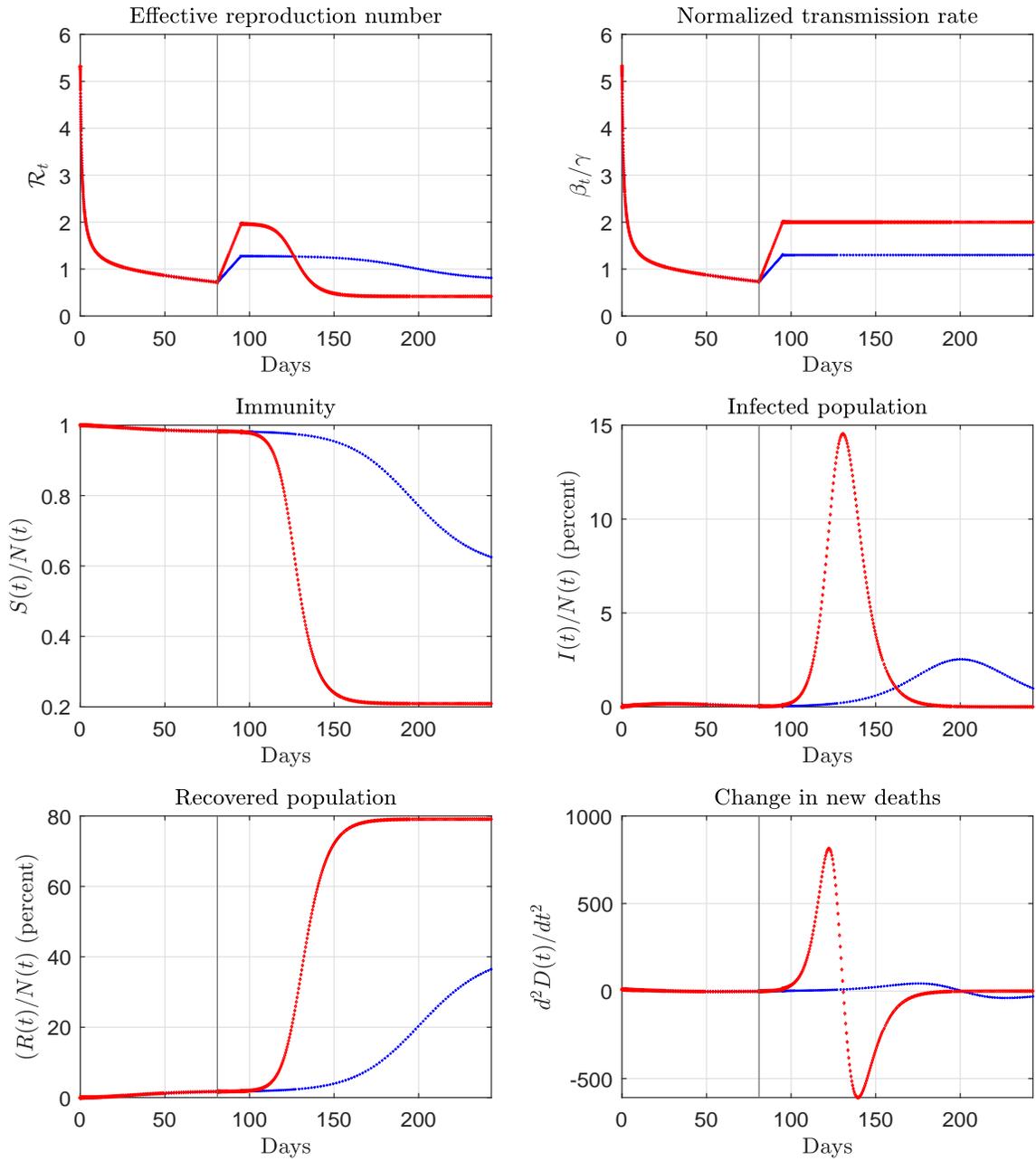


Figure A.35: Estimated and forecast paths for Iran. The vertical line marks the end of the sample.

Iran (counterfactual)

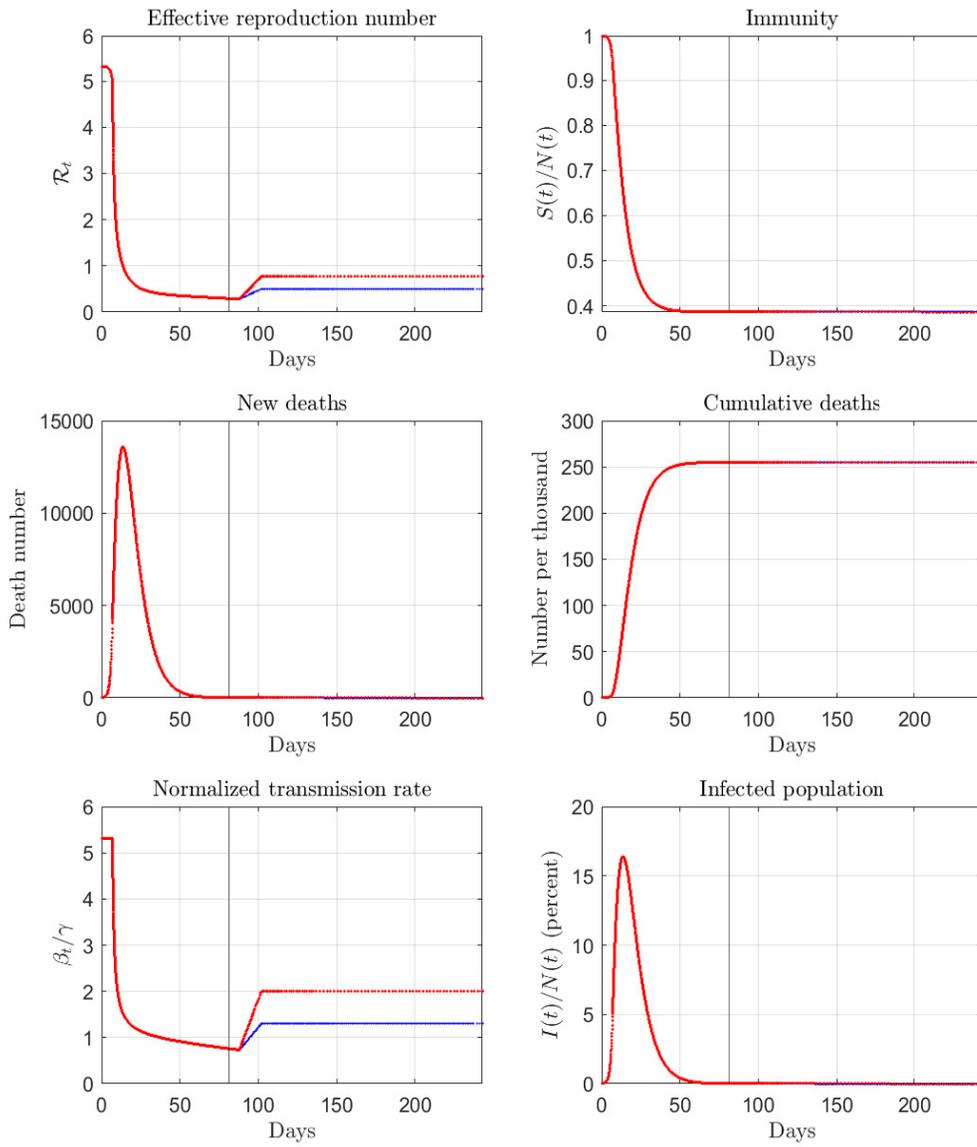


Figure A.36: Counterfactual paths for Iran. The vertical line marks the end of the sample.

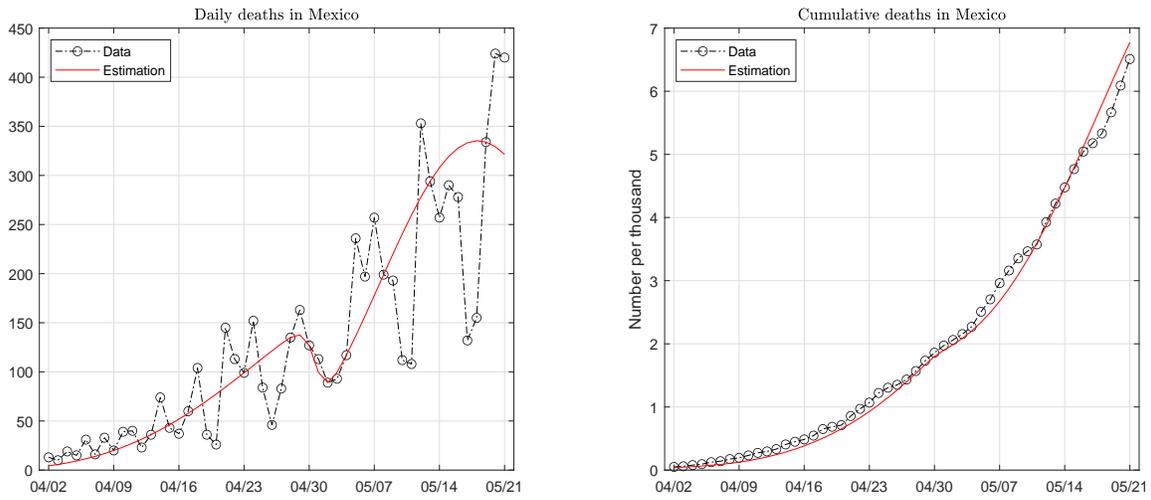


Figure A.37: Data and fitted paths of deaths in Mexico. The death pattern is fitted with a mixture of two Weibull functions.

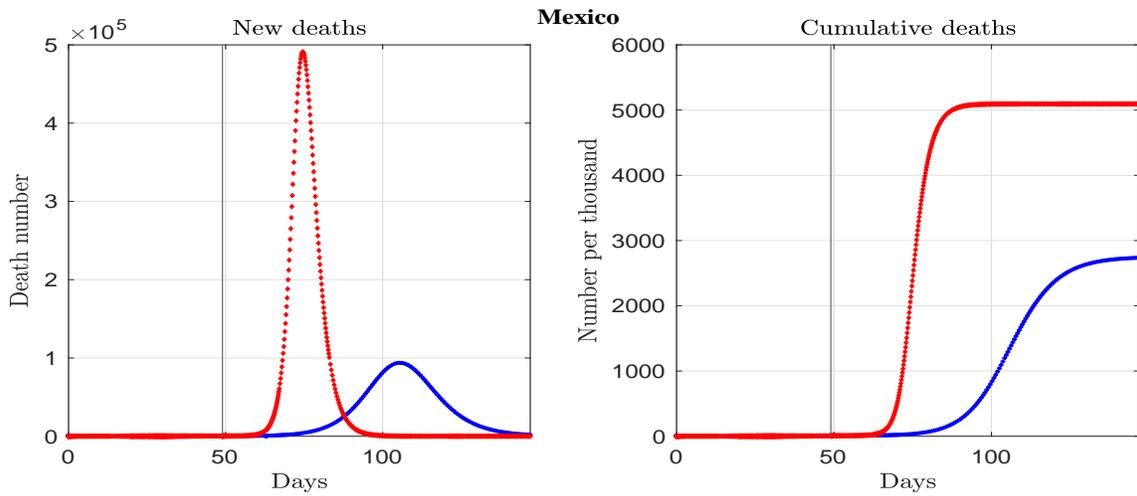


Figure A.38: Estimated and forecast deaths for Mexico. The vertical line marks the end of the sample.

Mexico

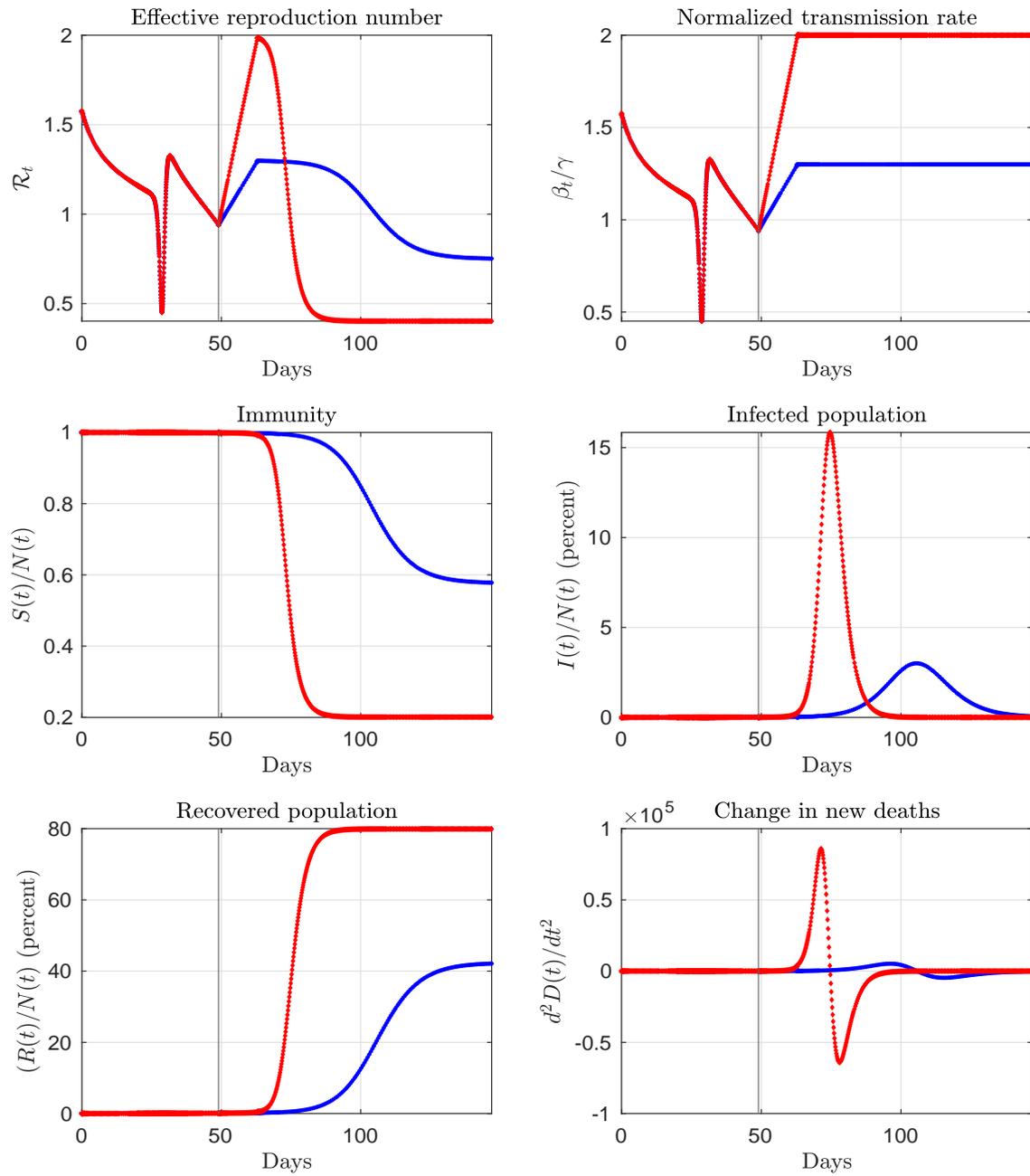


Figure A.39: Estimated and forecast paths for Mexico. The vertical line marks the end of the sample.

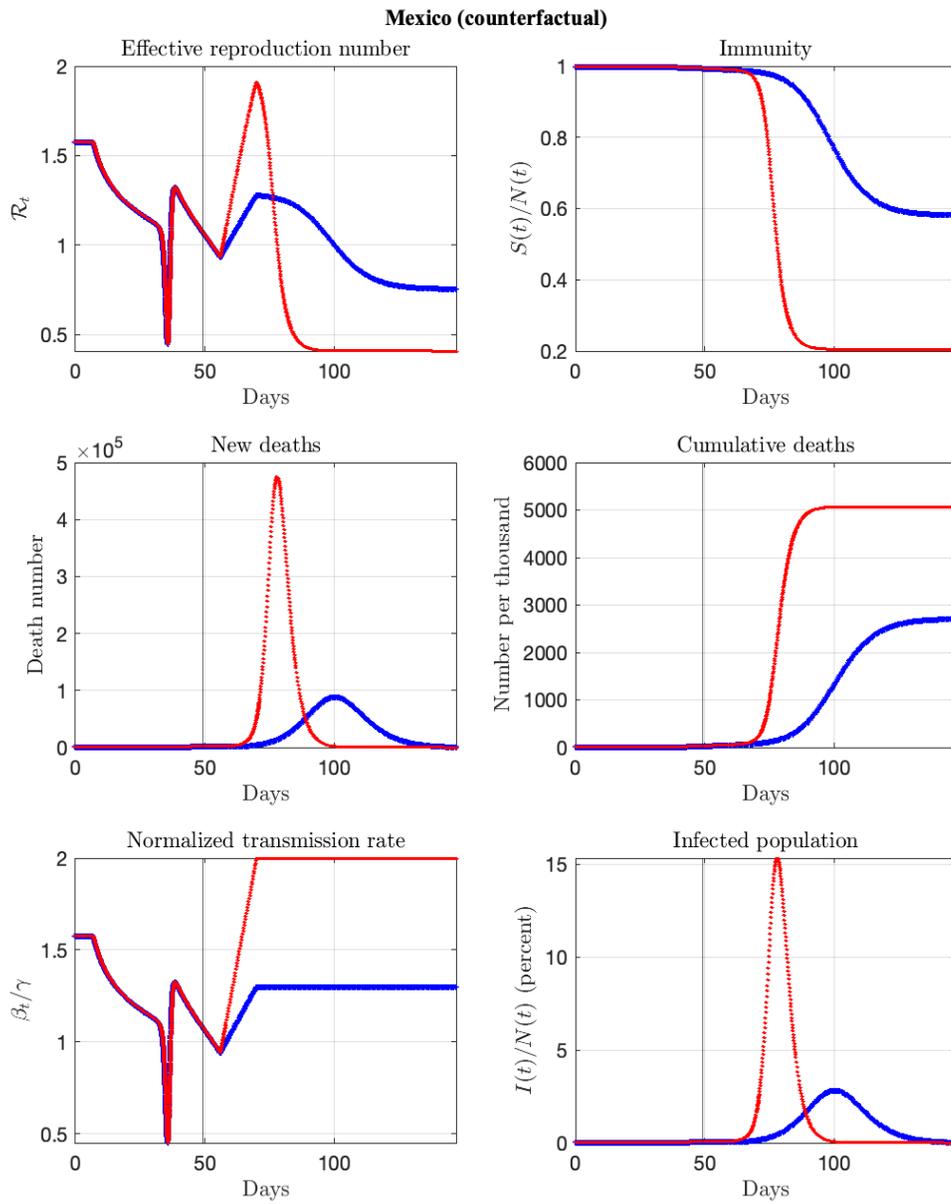


Figure A.40: Counterfactual paths for Mexico. The vertical line marks the end of the sample.

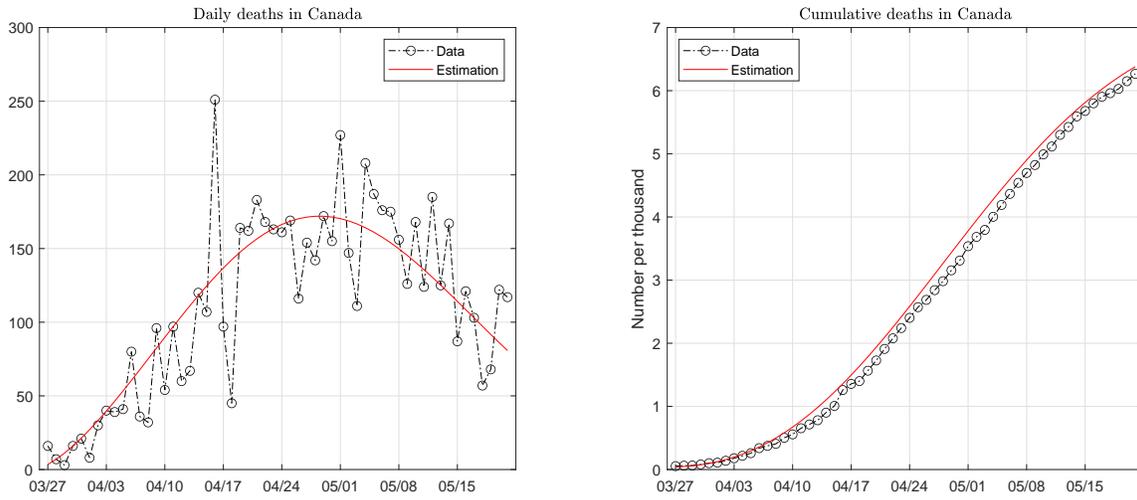


Figure A.41: Data and fitted paths of deaths in Canada. The death pattern is fitted with a mixture of two Weibull functions.

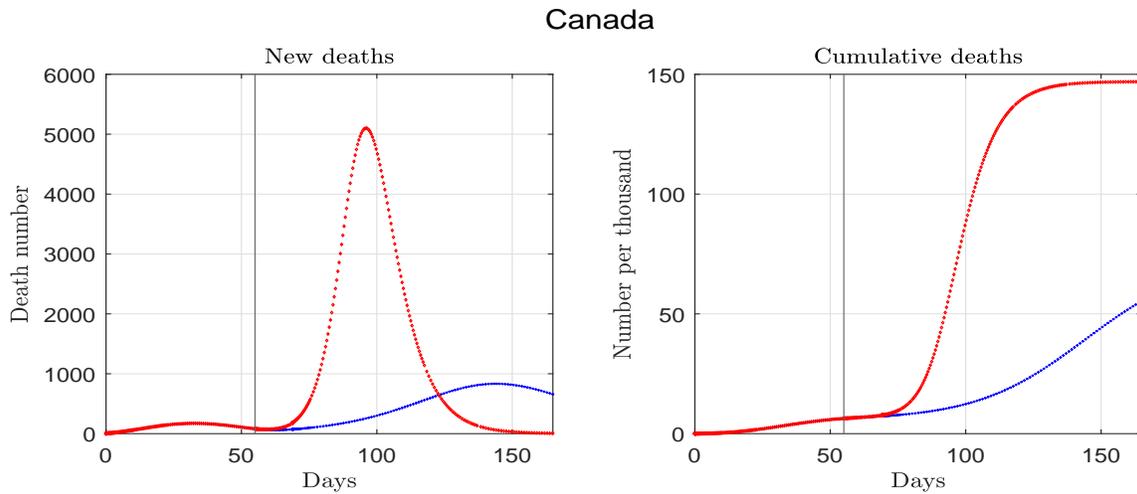


Figure A.42: Estimated and forecast deaths for Canada. The vertical line marks the end of the sample.

Canada

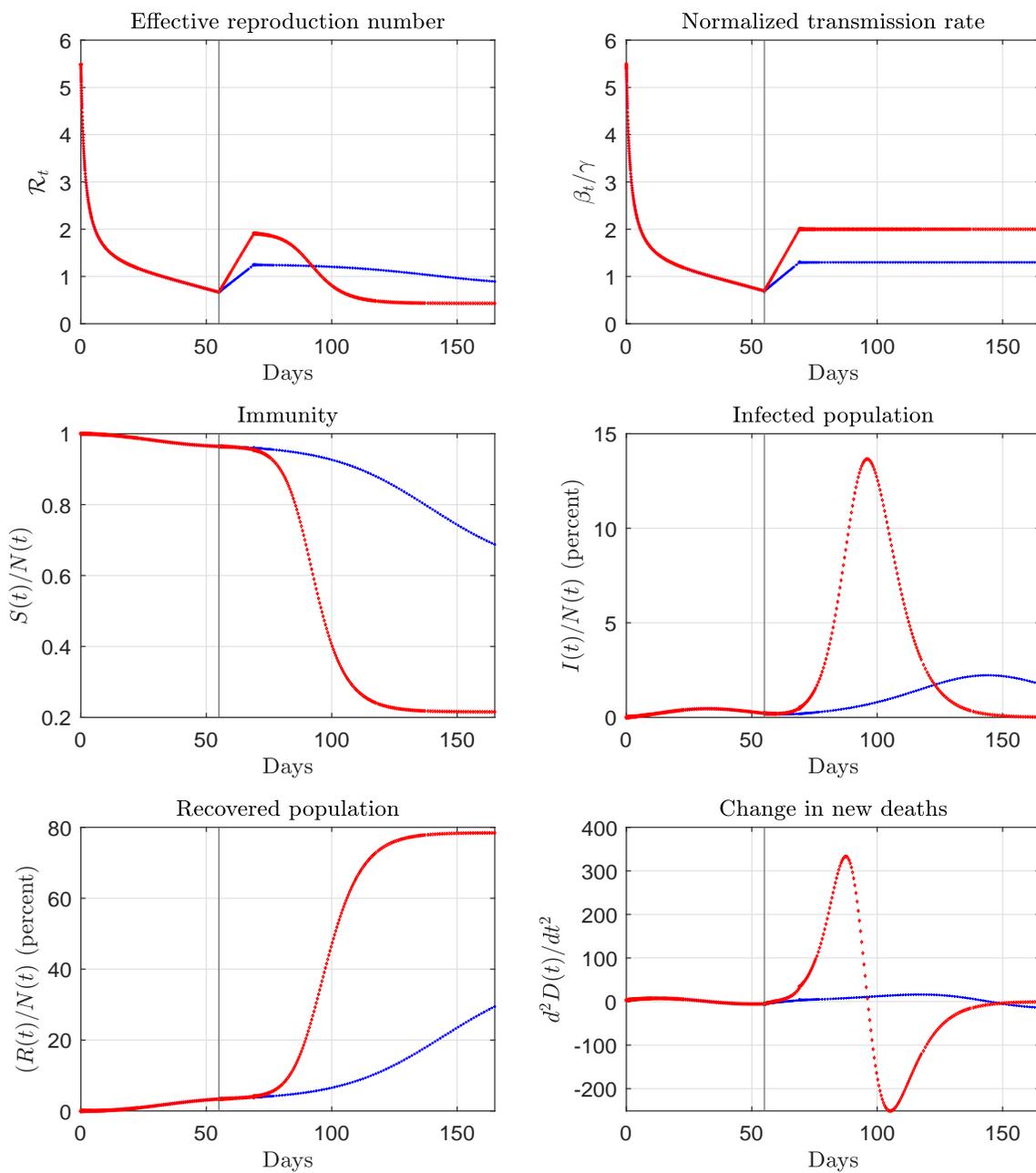


Figure A.43: Estimated and forecast paths for Canada. The vertical line marks the end of the sample.

Canada (counterfactual)

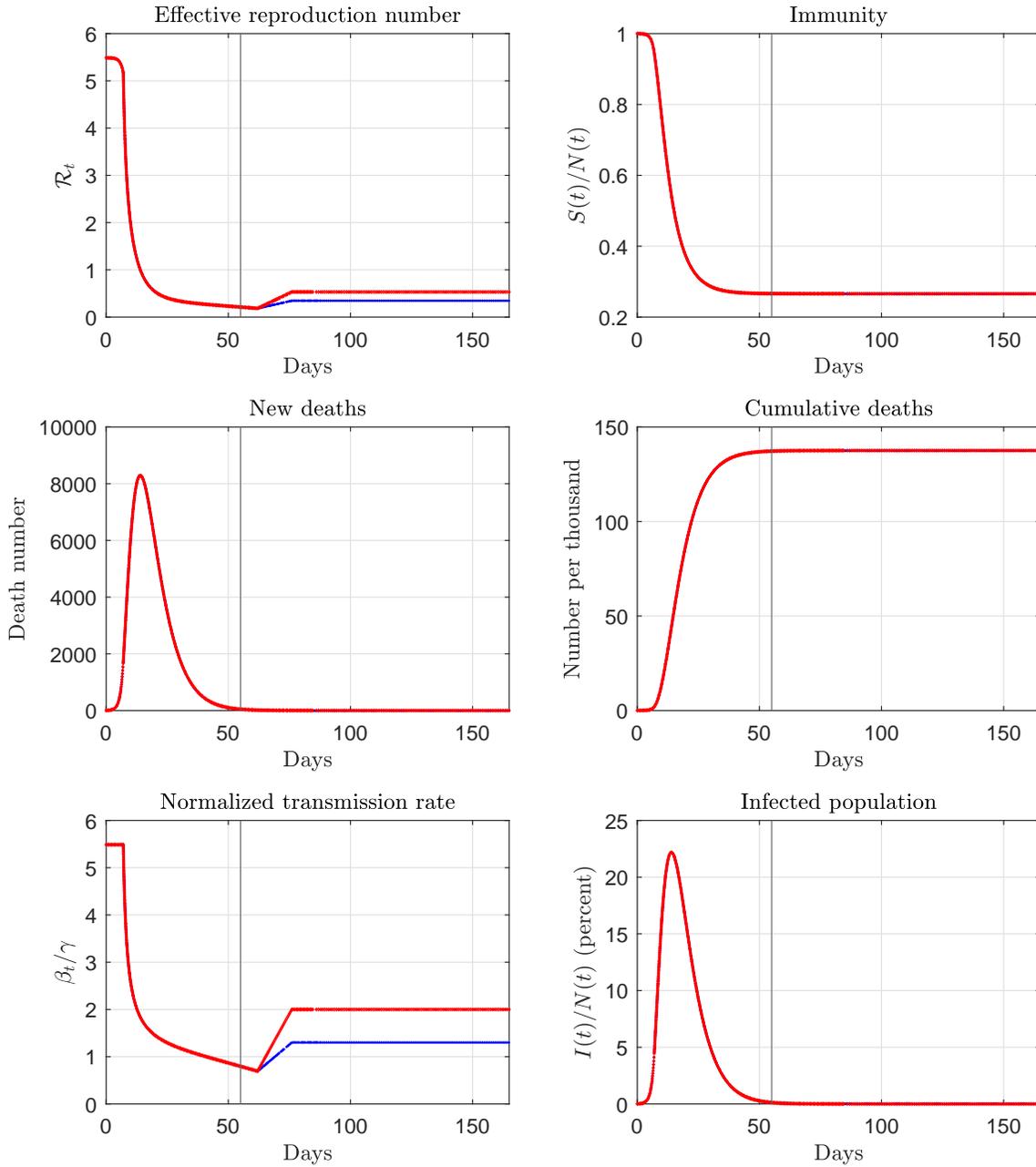


Figure A.44: Counterfactual paths for Canada. The vertical line marks the end of the sample.

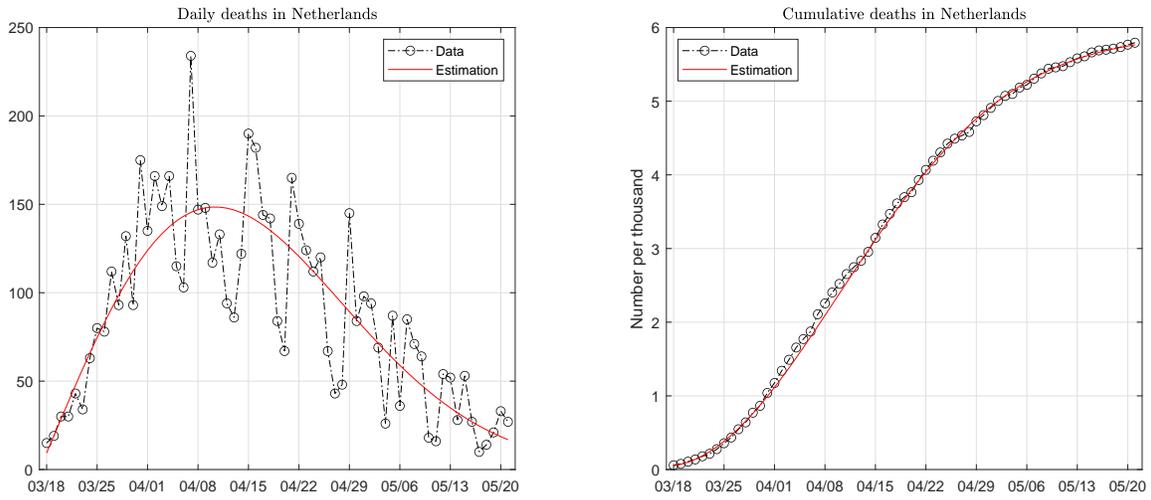


Figure A.45: Data and fitted paths of deaths in Netherlands. The death pattern is fitted with a mixture of two Weibull functions.

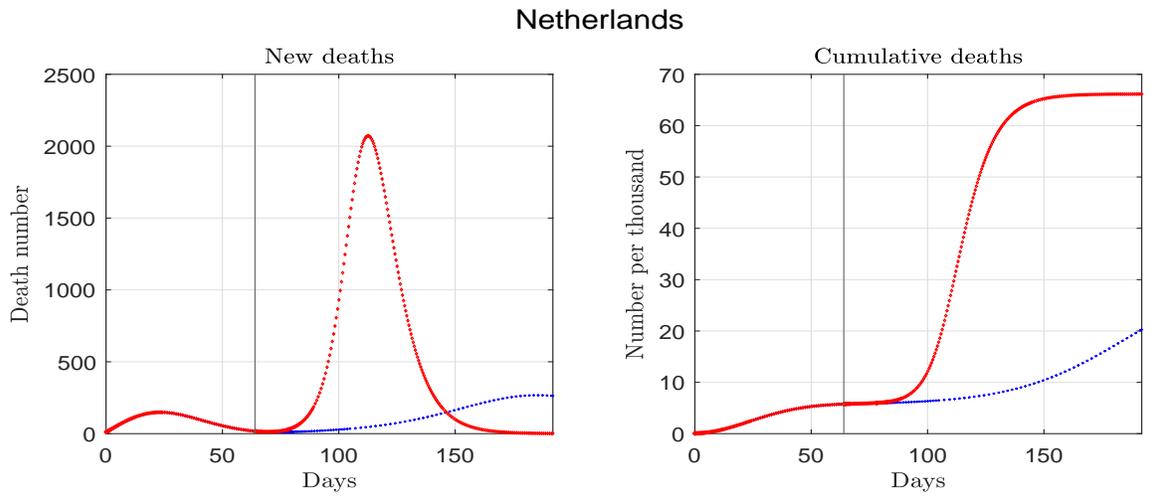


Figure A.46: Estimated and forecast deaths for Netherlands. The vertical line marks the end of the sample.

Netherlands

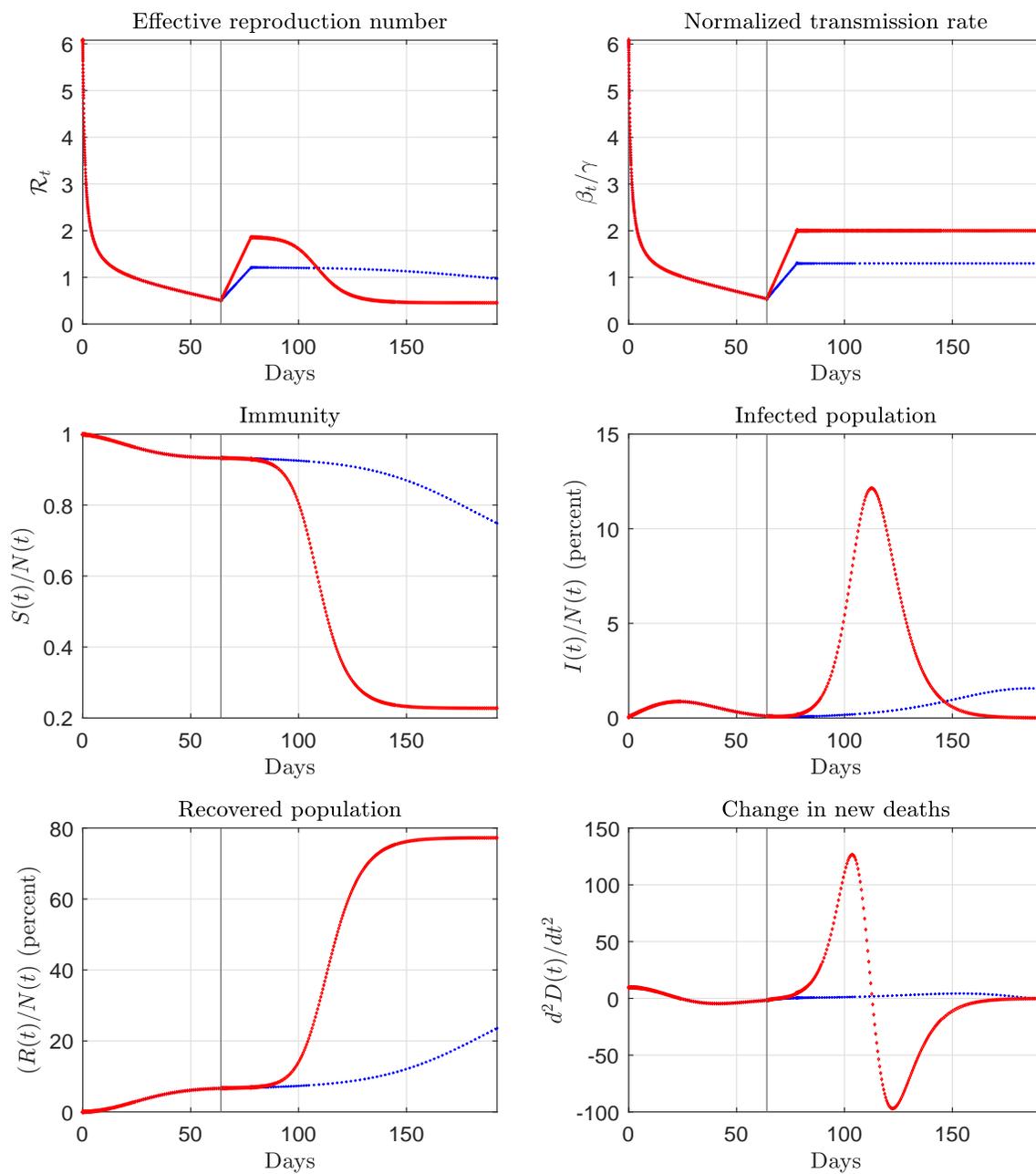


Figure A.47: Estimated and forecast paths for Netherlands. The vertical line marks the end of the sample.

Netherlands (counterfactual)

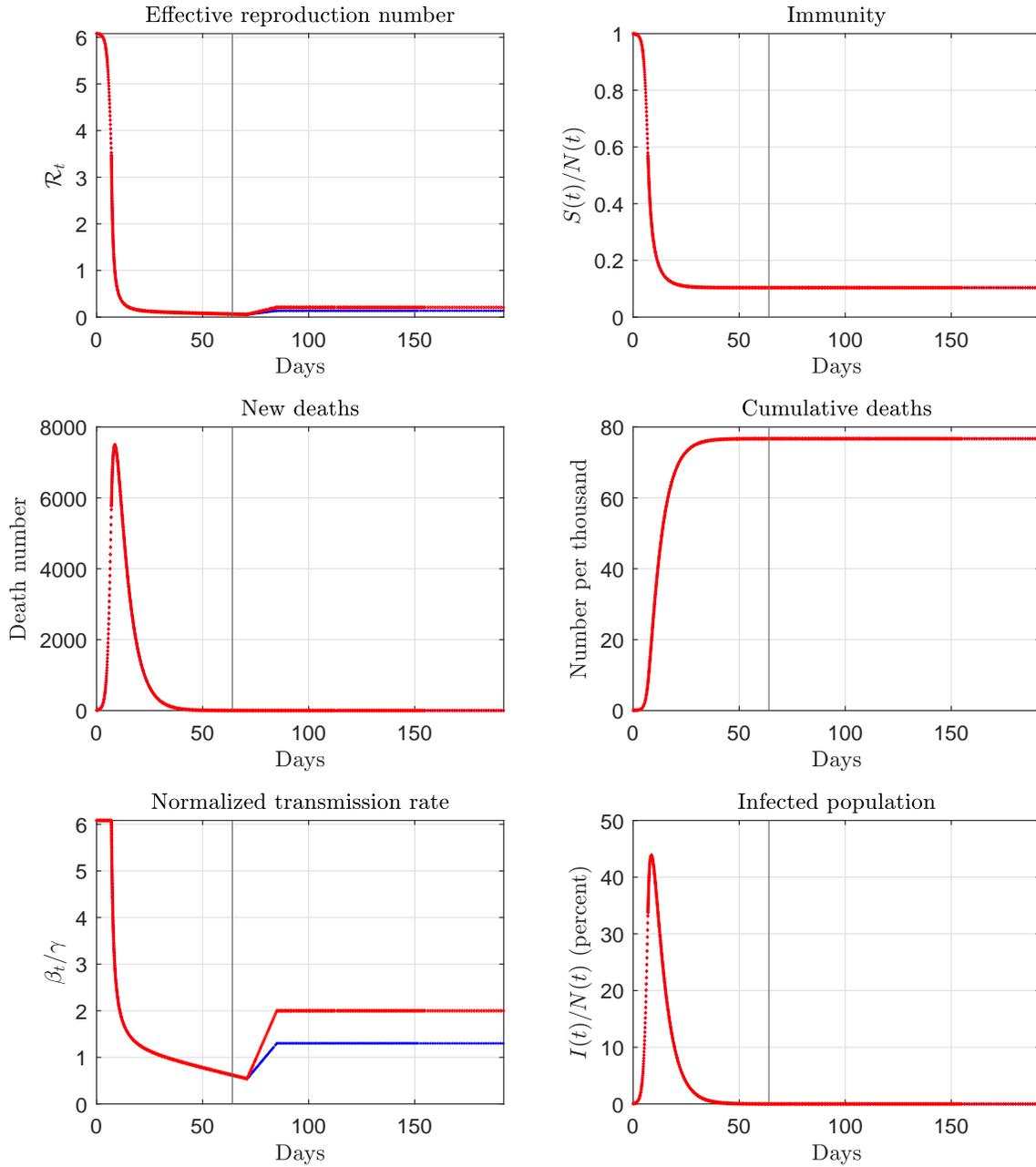


Figure A.48: Counterfactual paths for Netherlands. The vertical line marks the end of the sample.

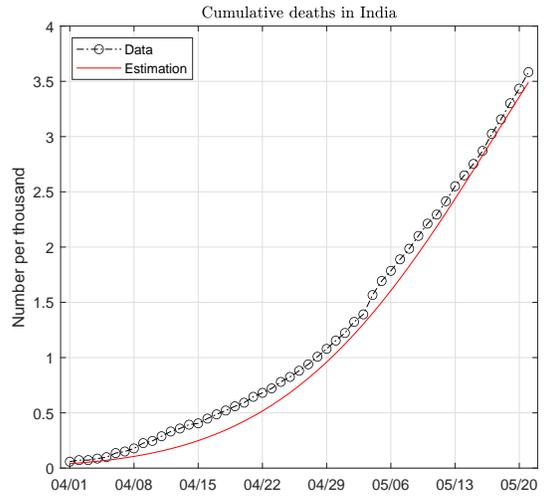
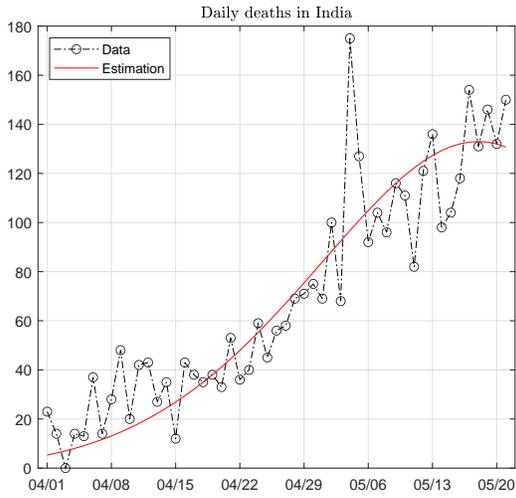


Figure A.49: Data and fitted paths of deaths in India. The death pattern is fitted with a mixture of two Weibull functions.

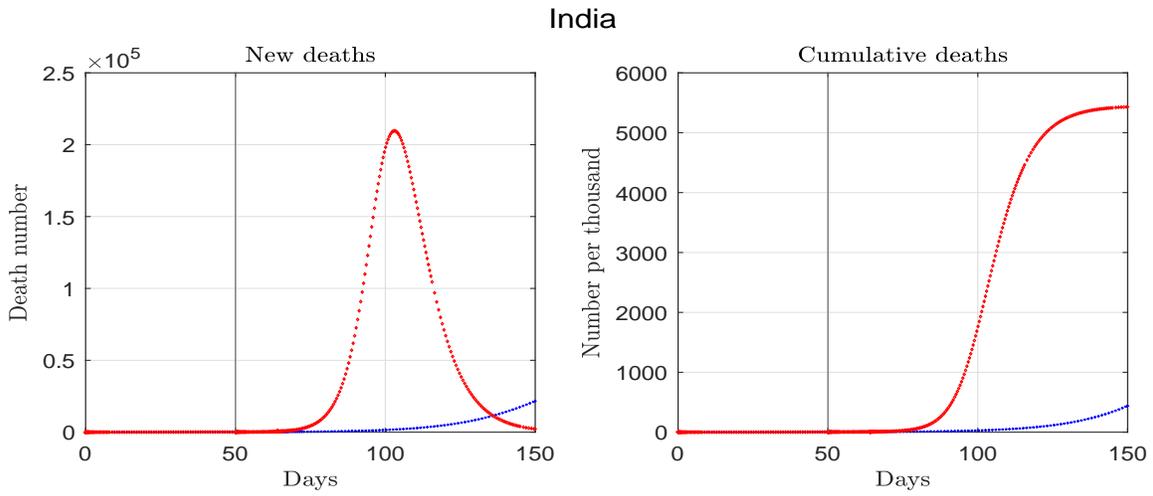


Figure A.50: Estimated and forecast deaths for India. The vertical line marks the end of the sample.

India

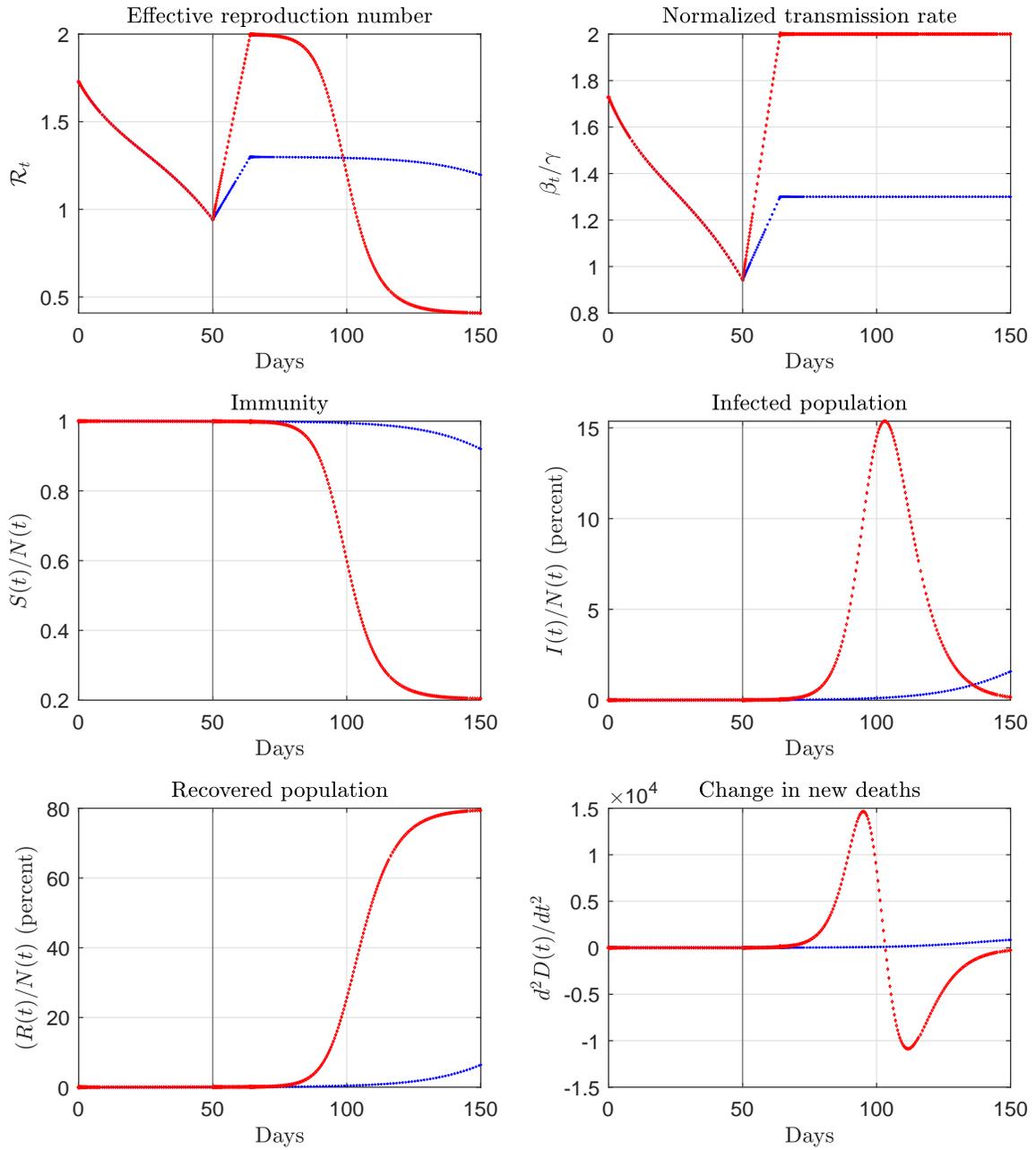


Figure A.51: Estimated and forecast paths for India. The vertical line marks the end of the sample.

India (counterfactual)

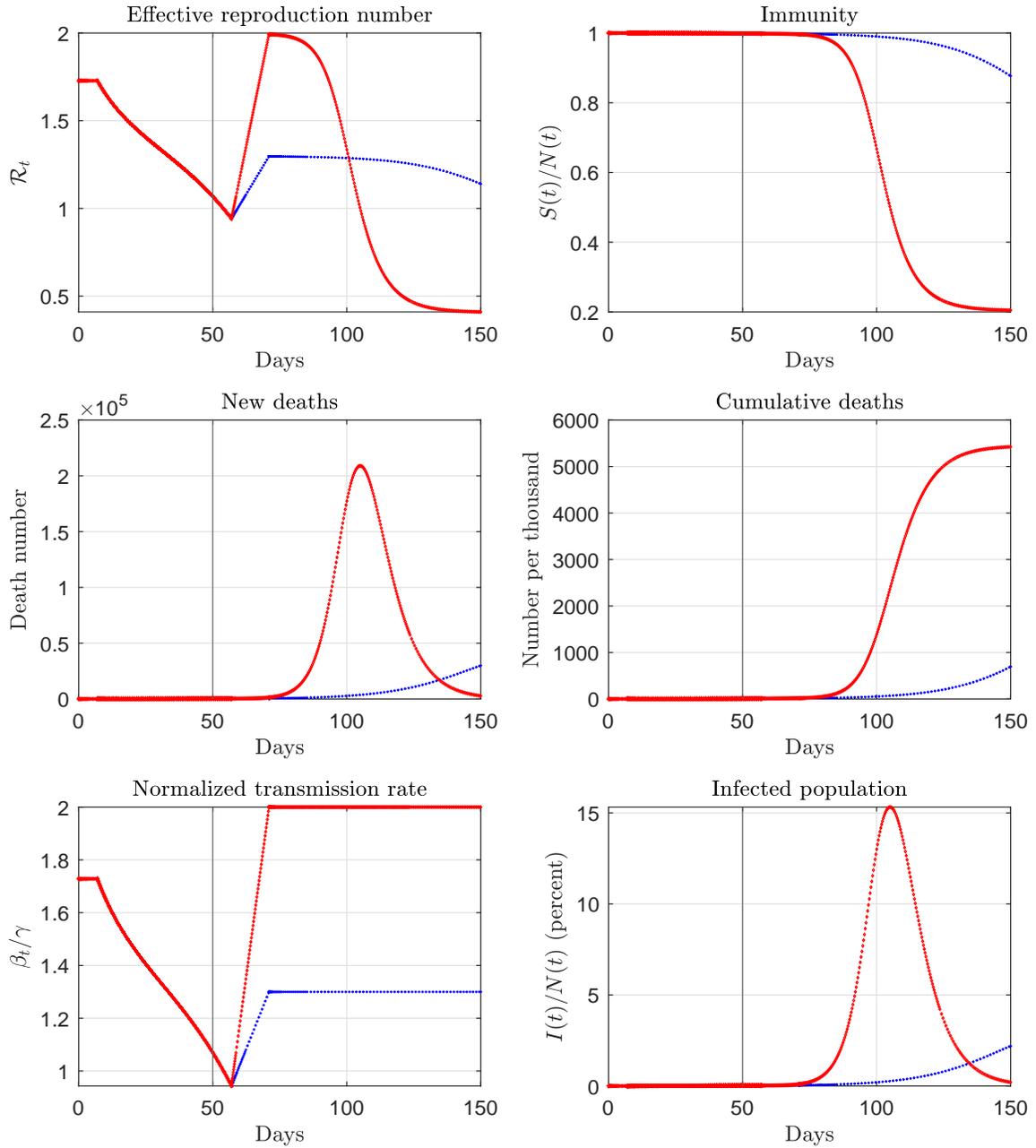


Figure A.52: Counterfactual paths for India. The vertical line marks the end of the sample.

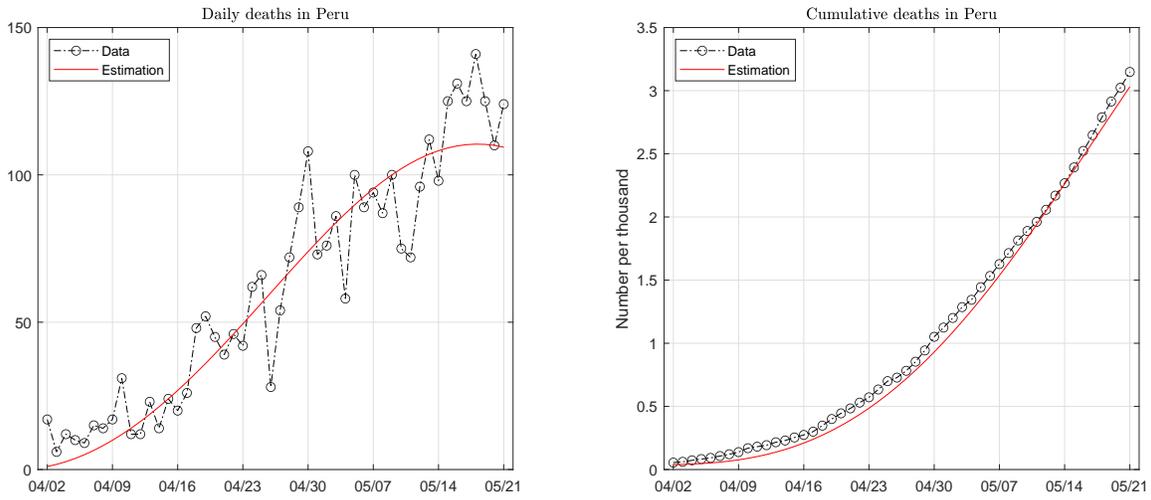


Figure A.53: Data and fitted paths of deaths in Peru. The death pattern is fitted with a mixture of two Weibull functions.

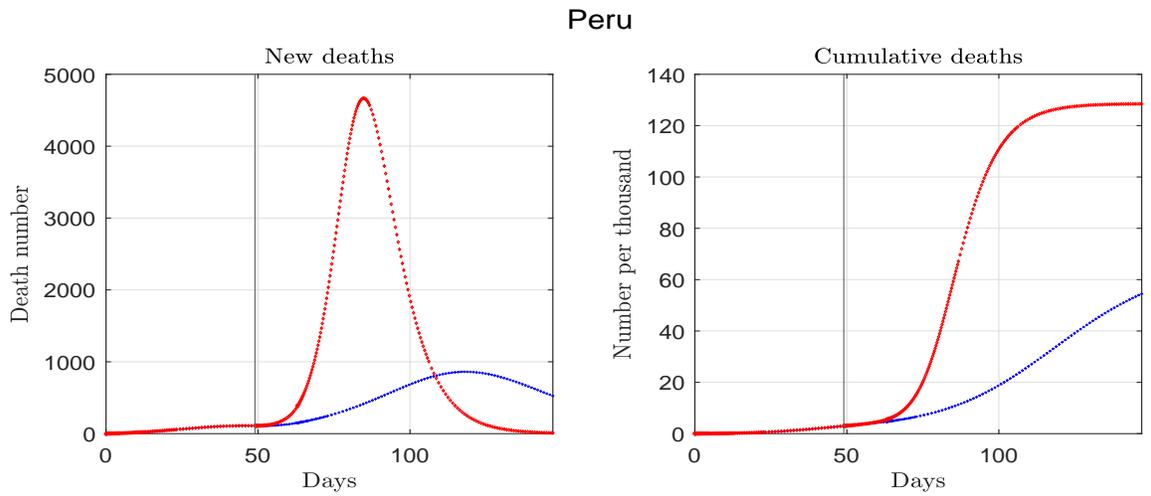


Figure A.54: Estimated and forecast deaths for Peru. The vertical line marks the end of the sample.

Peru

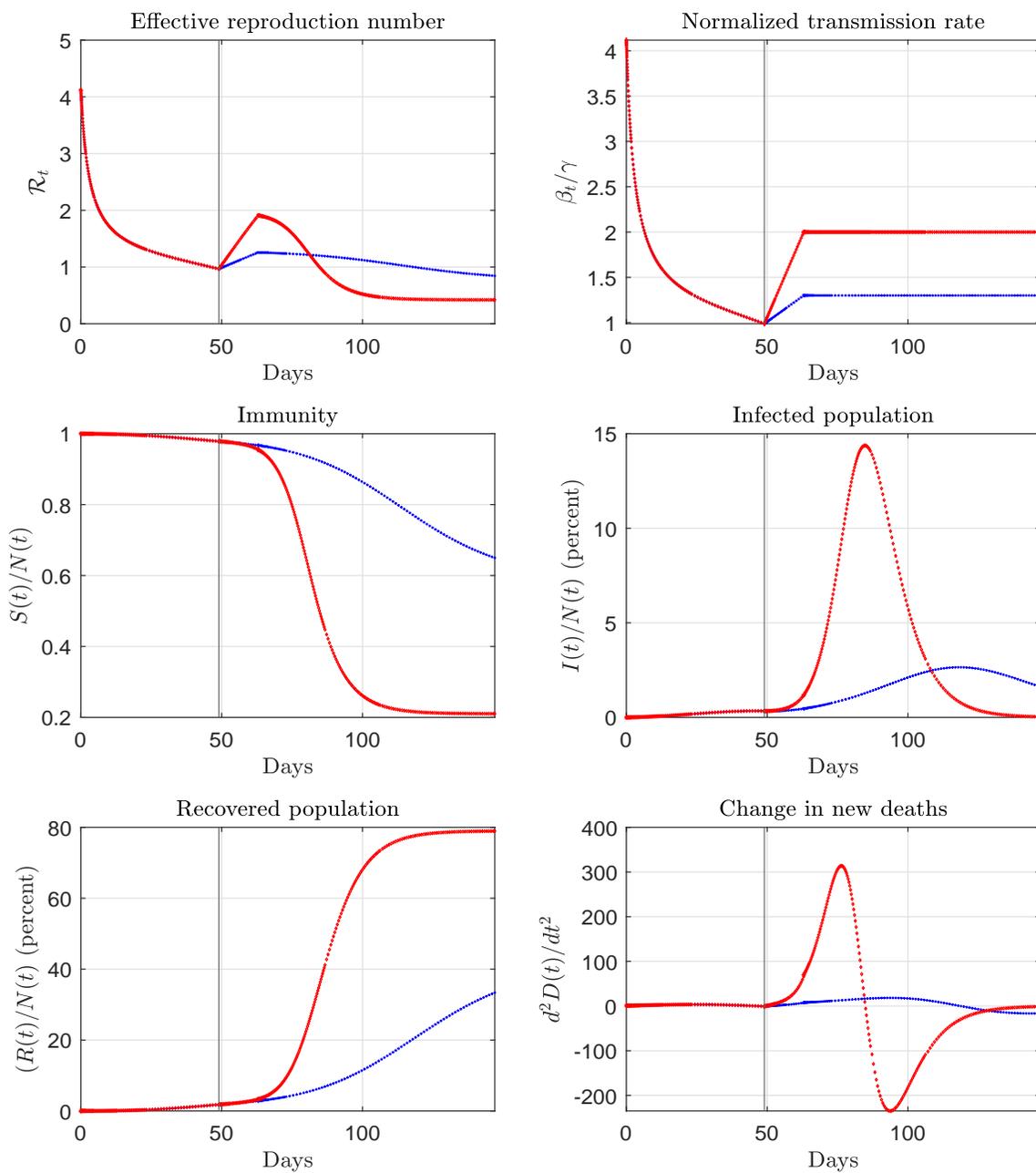


Figure A.55: Estimated and forecast paths for Peru. The vertical line marks the end of the sample.

Peru (counterfactual)

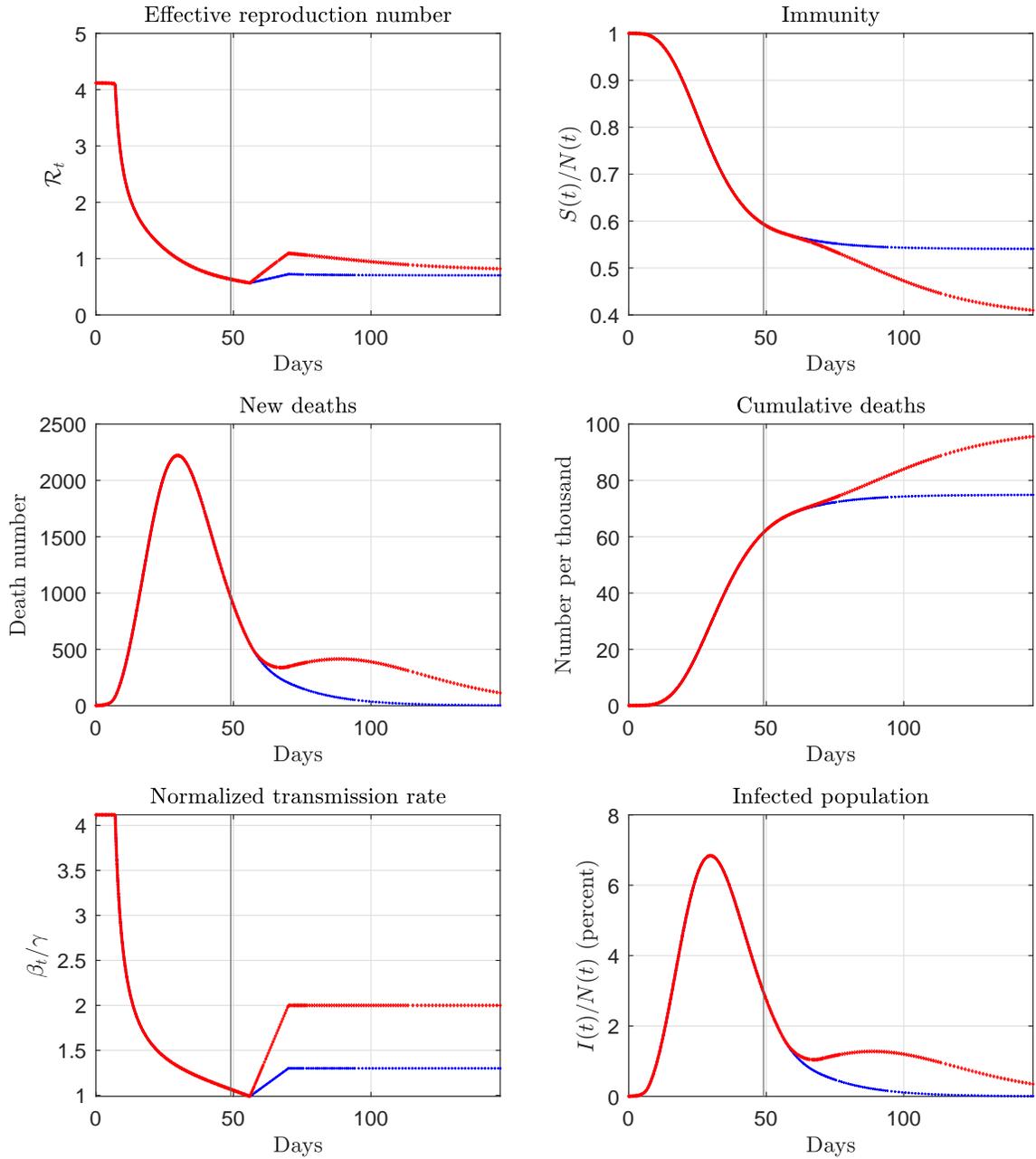


Figure A.56: Counterfactual paths for Peru. The vertical line marks the end of the sample.

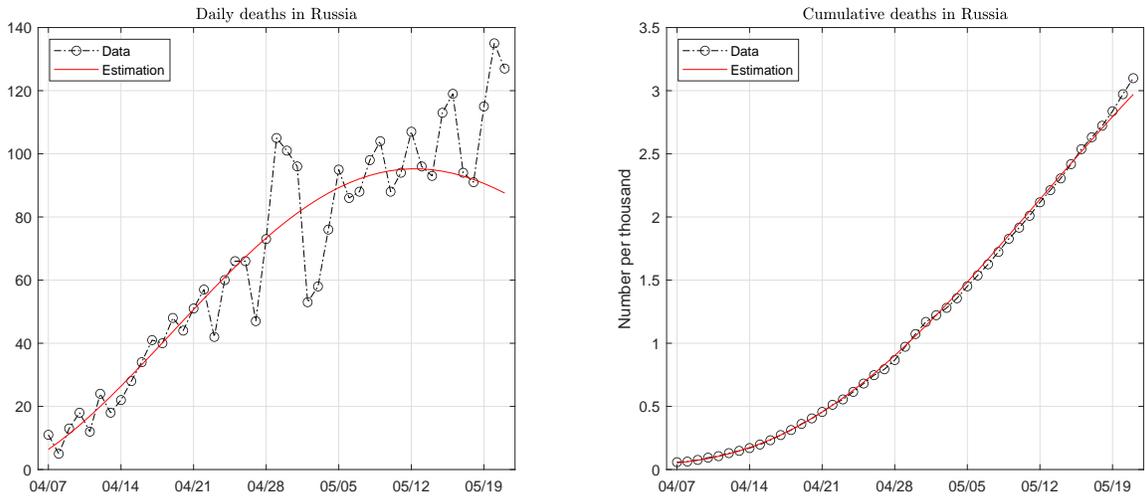


Figure A.57: Data and fitted paths of deaths in Russia. The death pattern is fitted with a mixture of two Weibull functions.

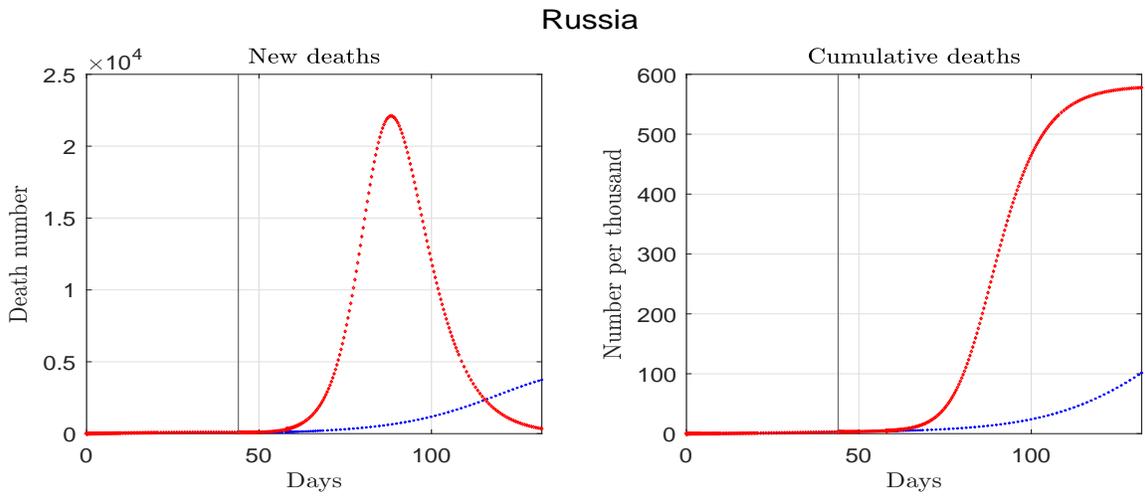


Figure A.58: Estimated and forecast deaths for Russia. The vertical line marks the end of the sample.

Russia

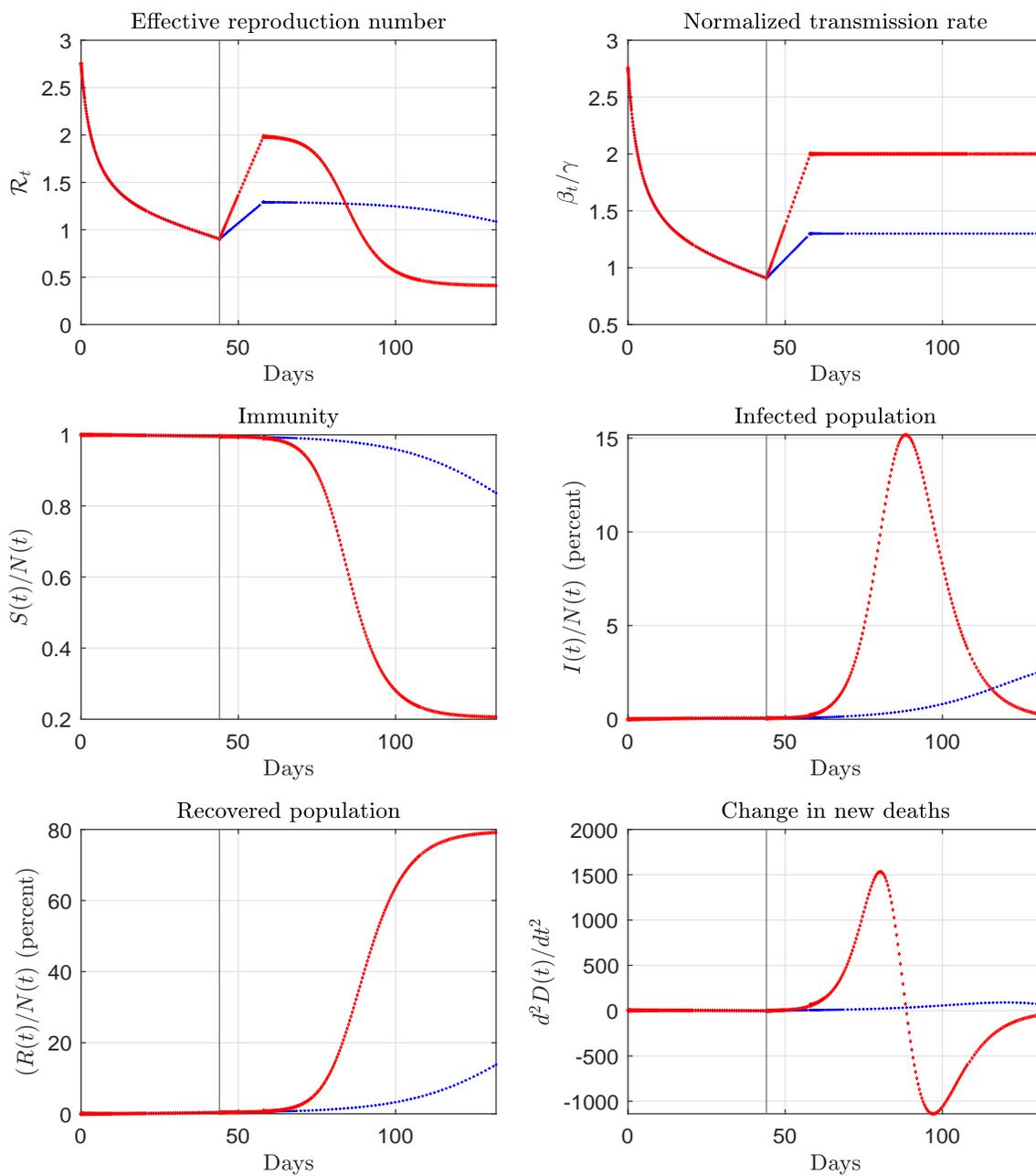


Figure A.59: Estimated and forecast paths for Russia. The vertical line marks the end of the sample.

Russia (counterfactual)

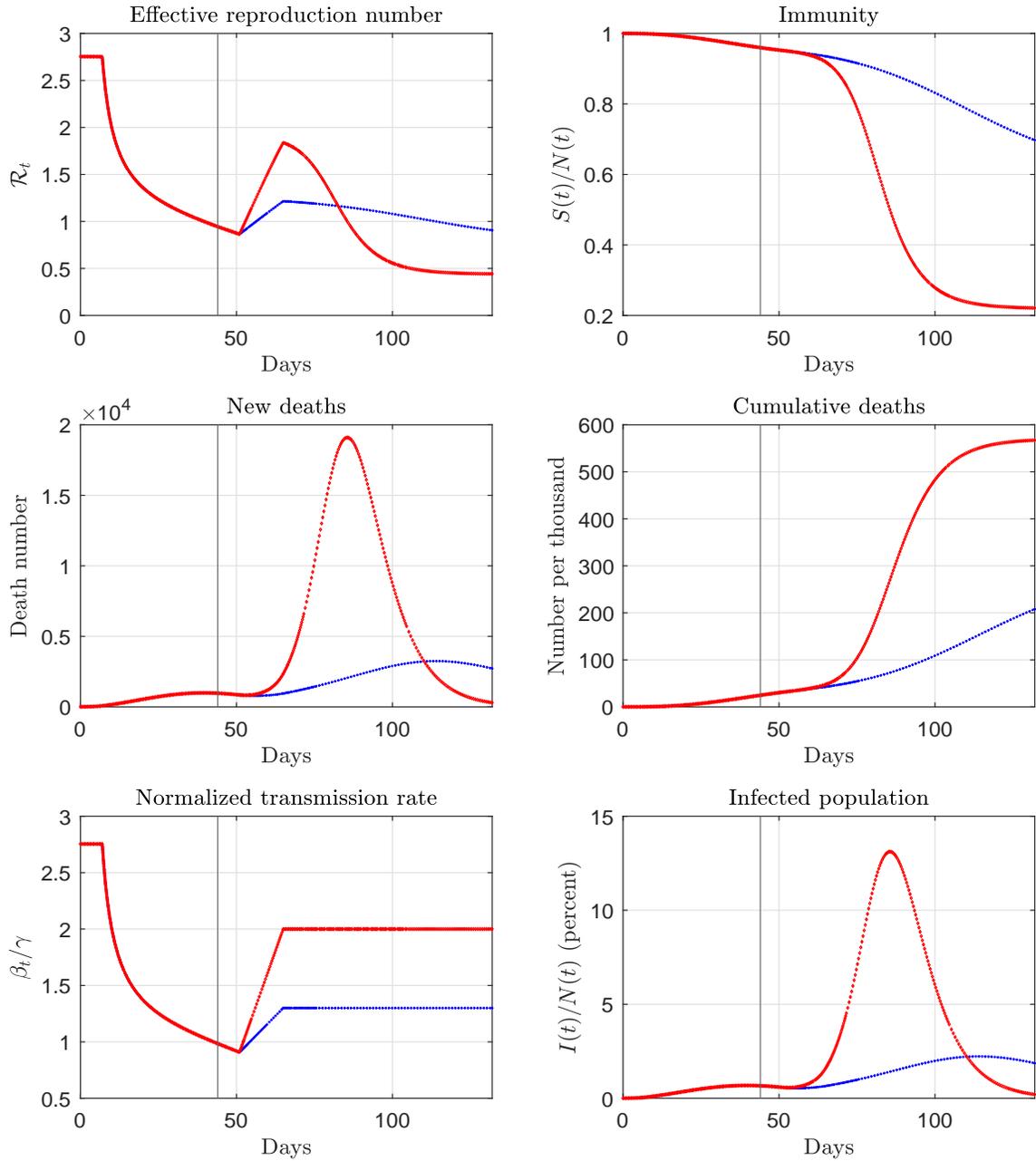


Figure A.60: Counterfactual paths for Russia. The vertical line marks the end of the sample.

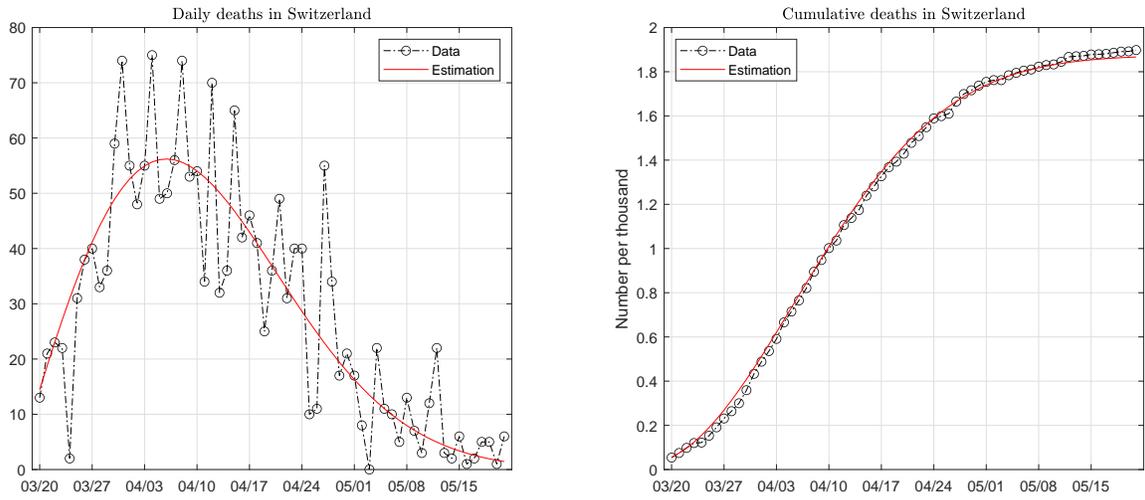


Figure A.61: Data and fitted paths of deaths in Switzerland. The death pattern is fitted with a mixture of two Weibull functions.

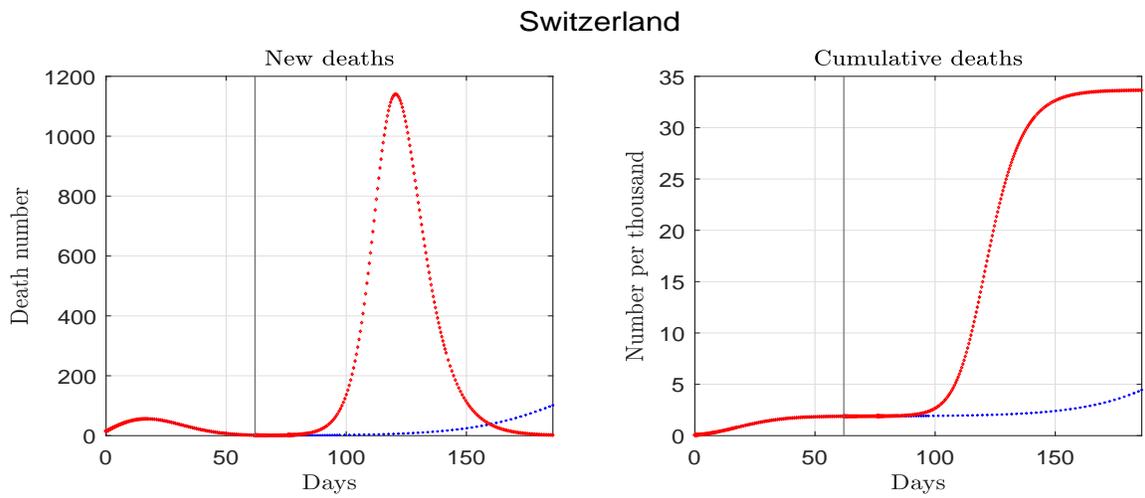


Figure A.62: Estimated and forecast deaths for Switzerland. The vertical line marks the end of the sample.

Switzerland

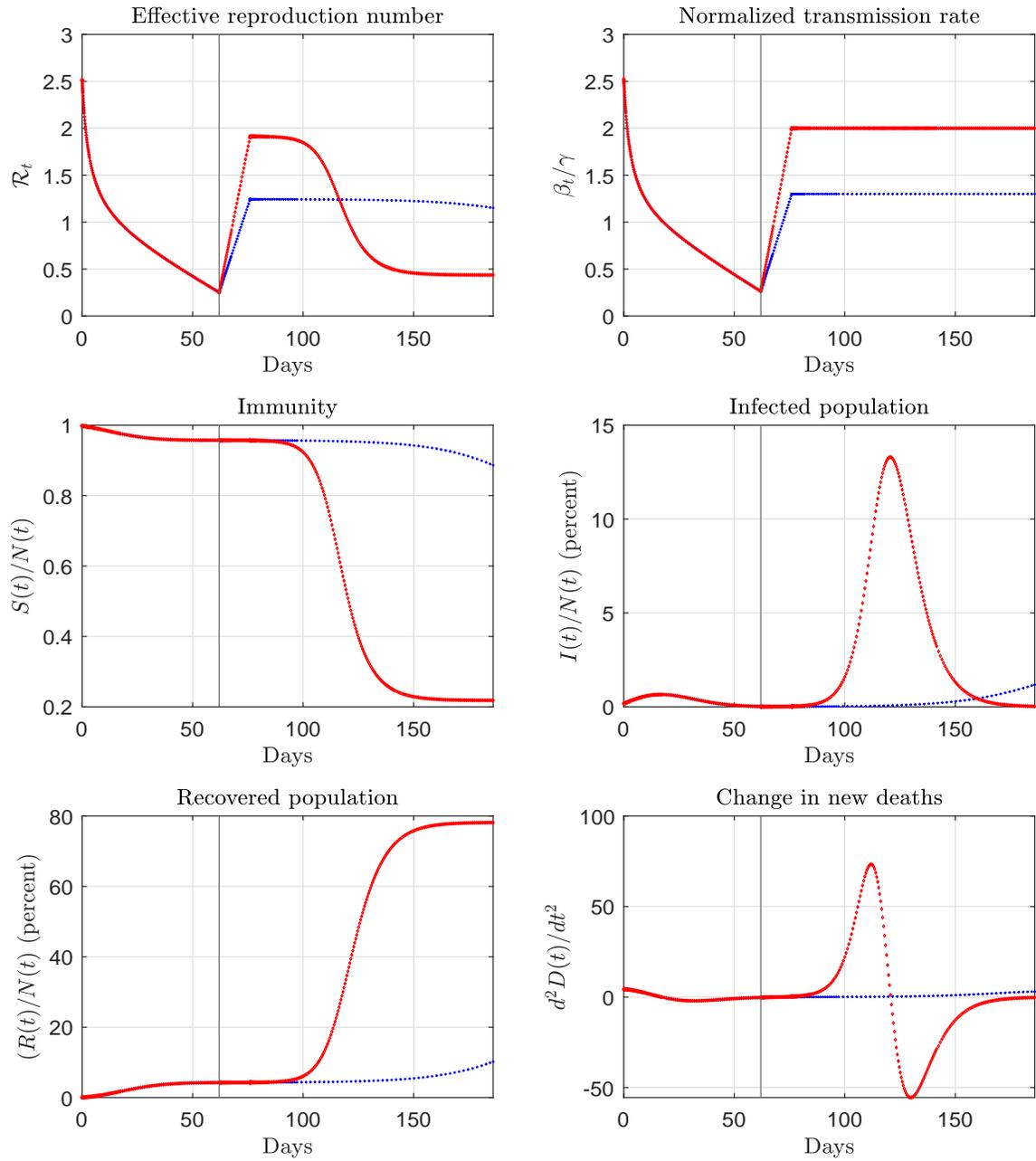


Figure A.63: Estimated and forecast paths for Switzerland. The vertical line marks the end of the sample.

Switzerland (counterfactual)

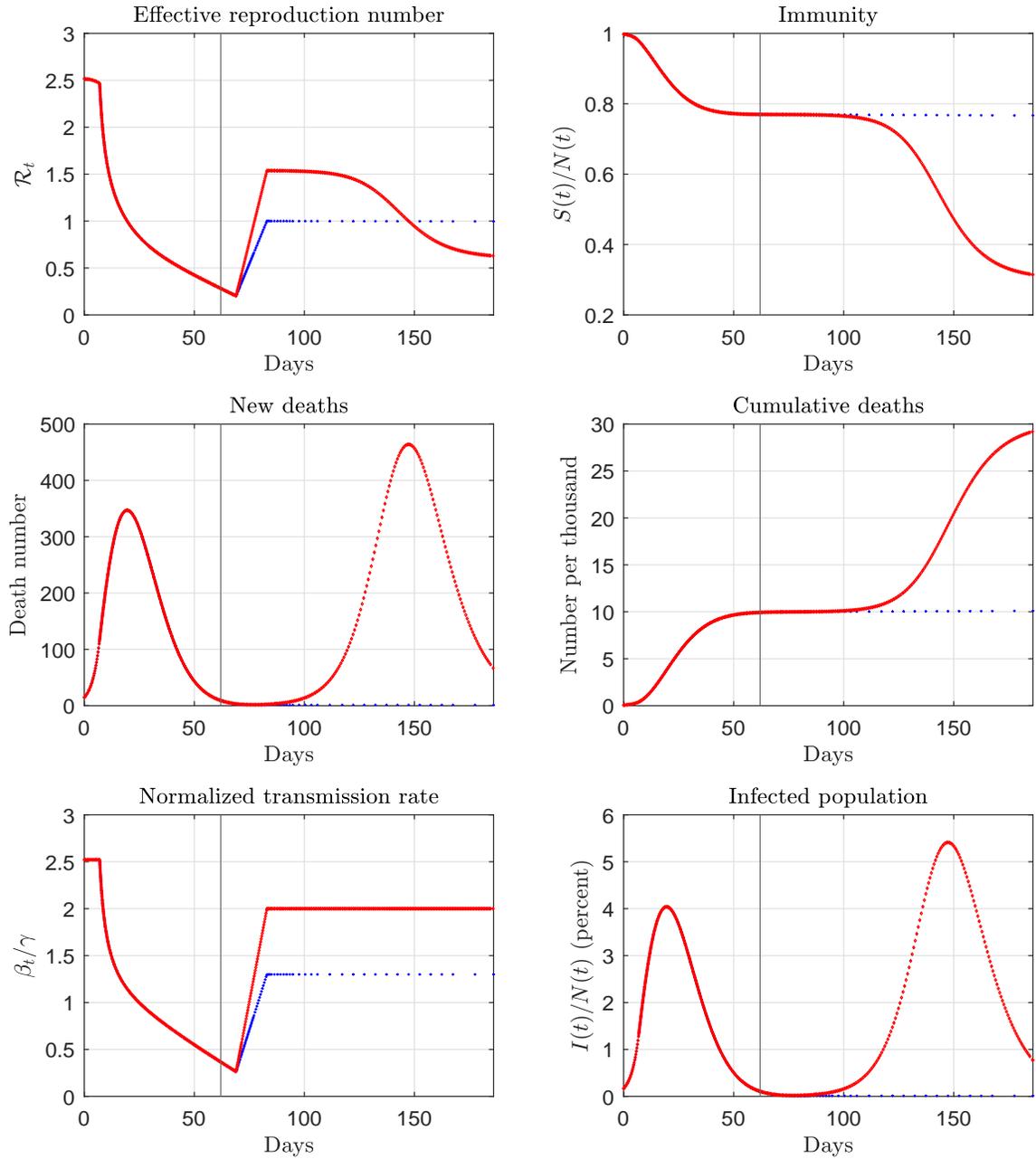


Figure A.64: Counterfactual paths for Switzerland. The vertical line marks the end of the sample.