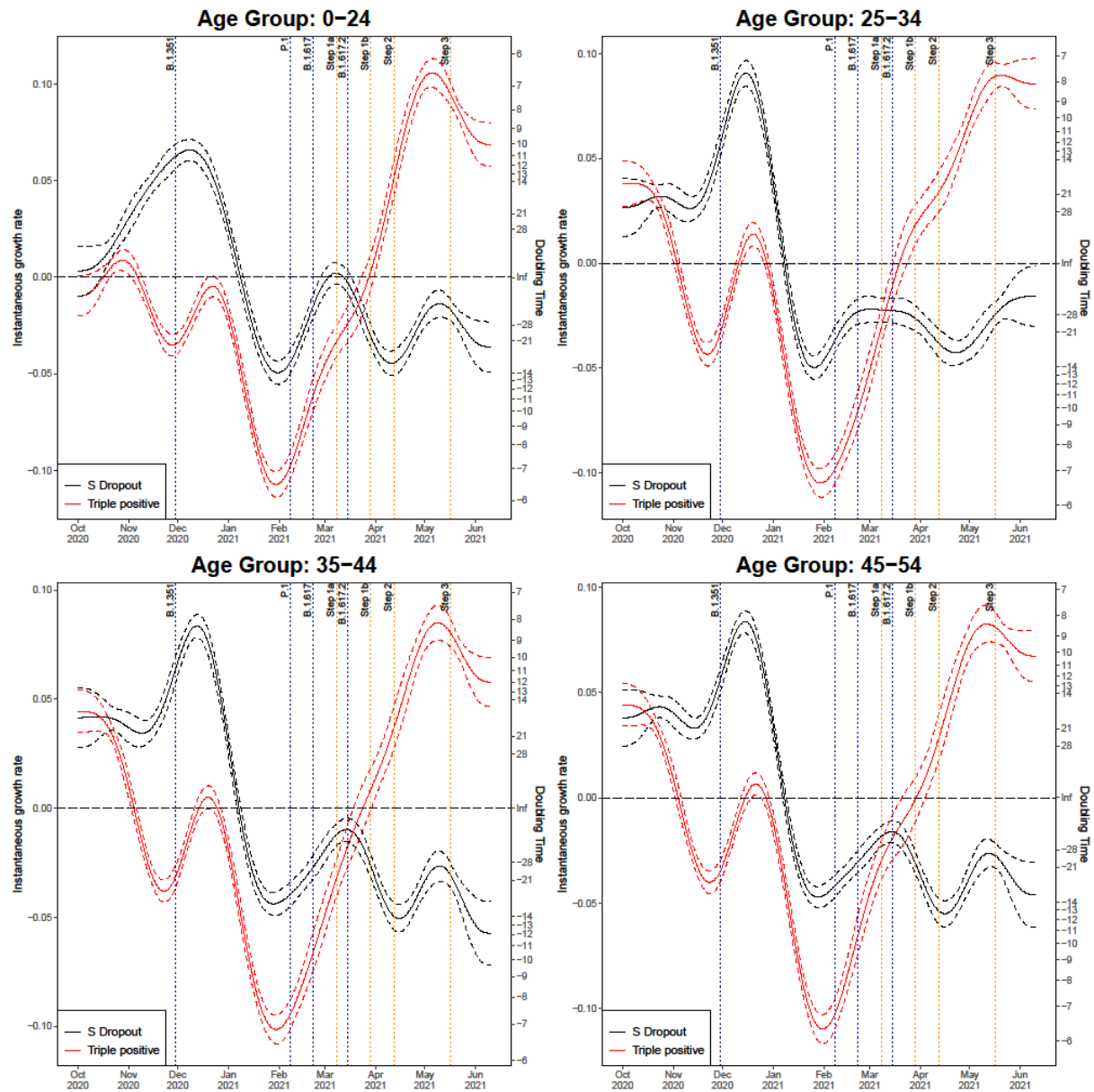
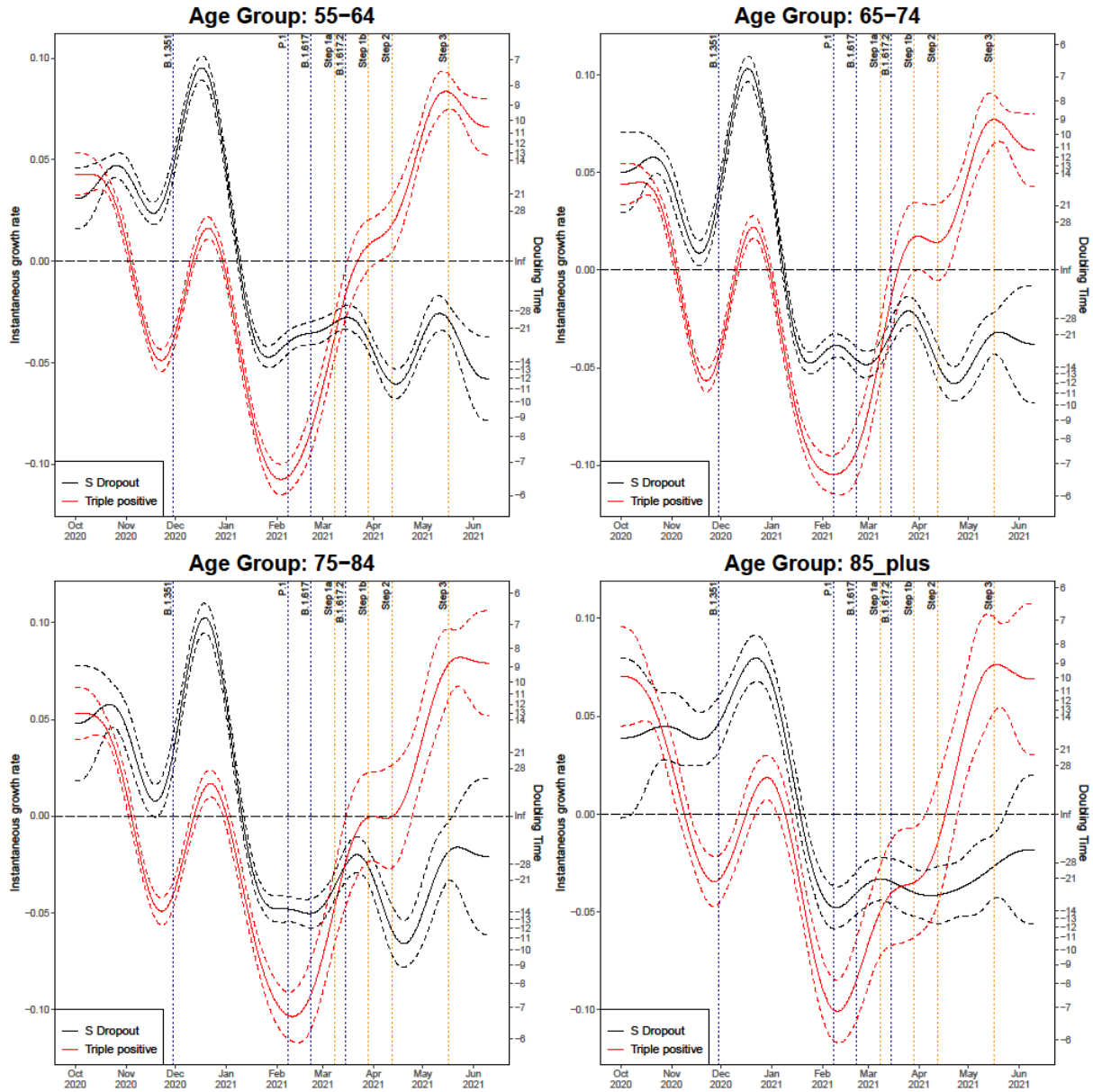
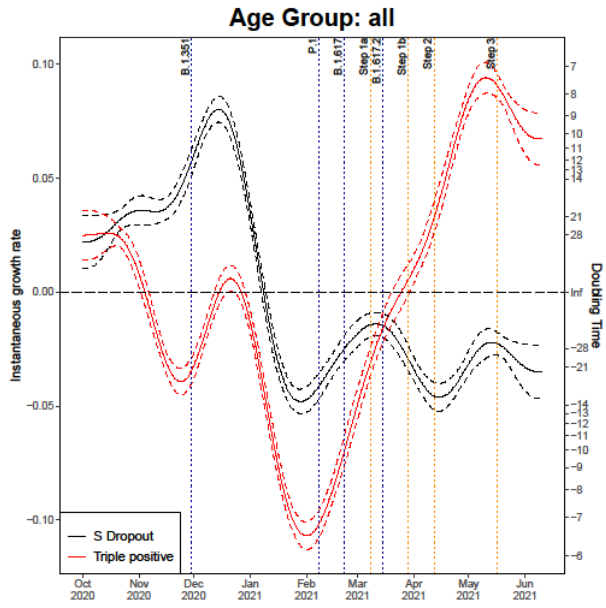


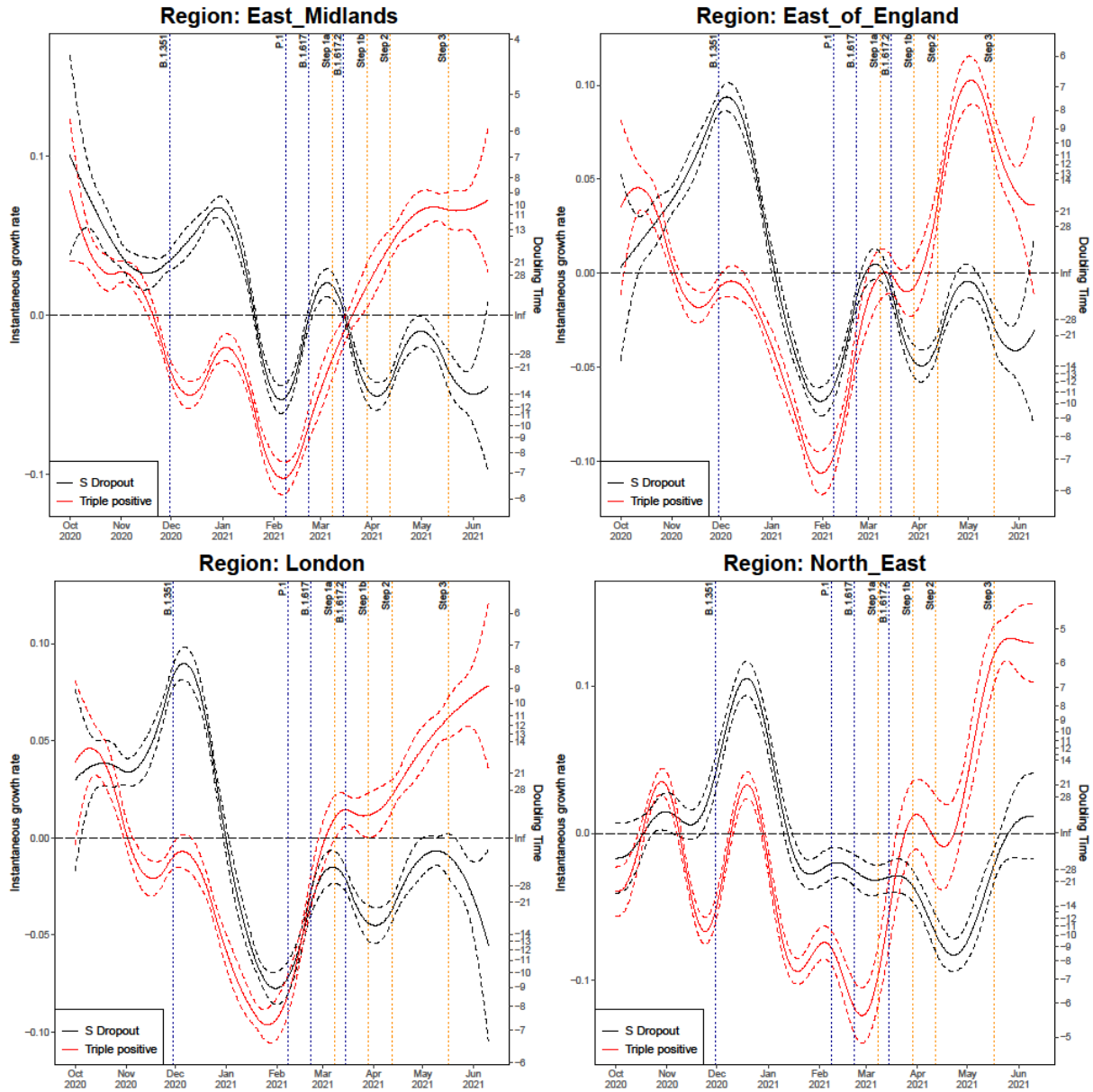
Appendix A: Cases Age Groups

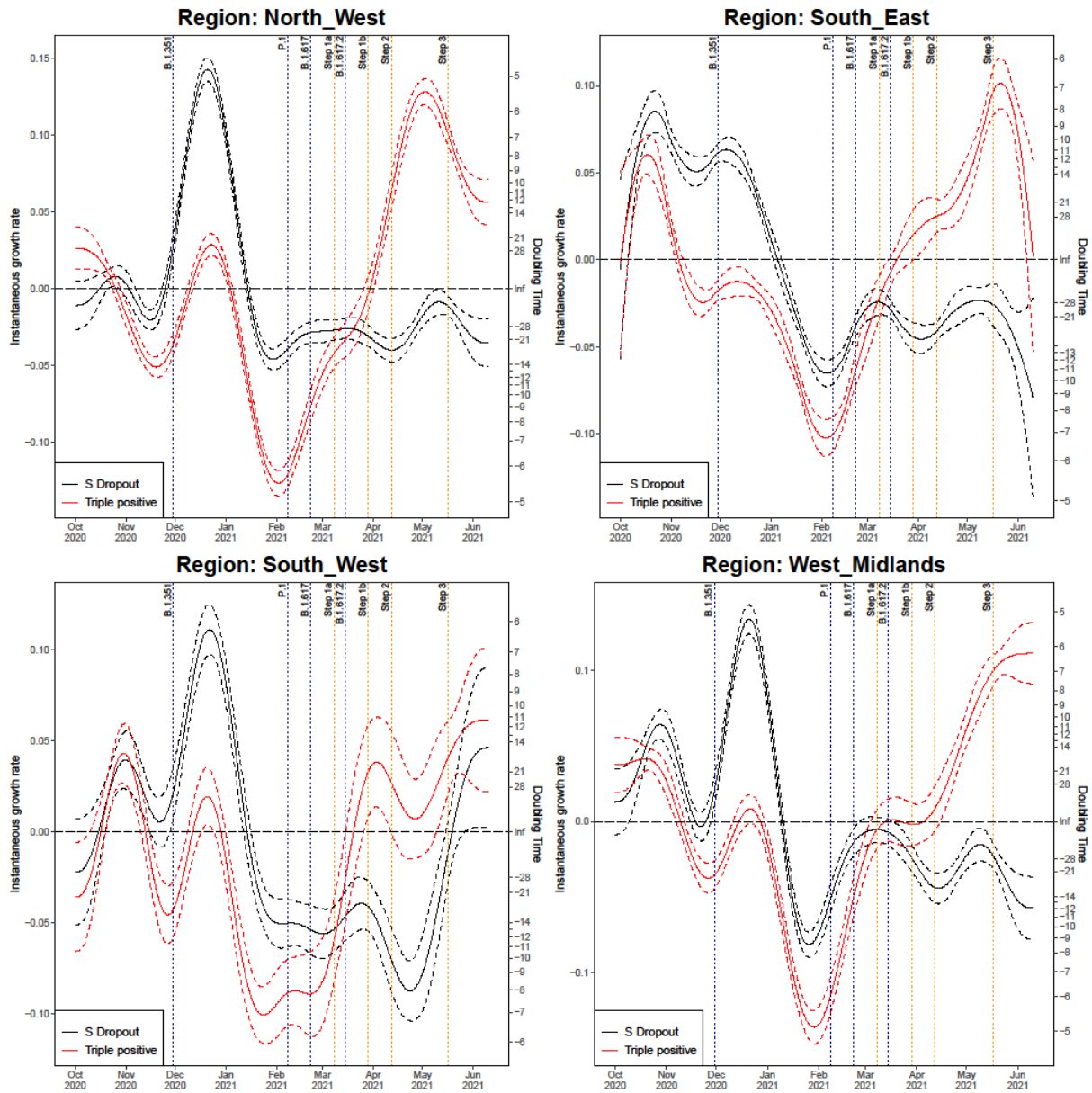


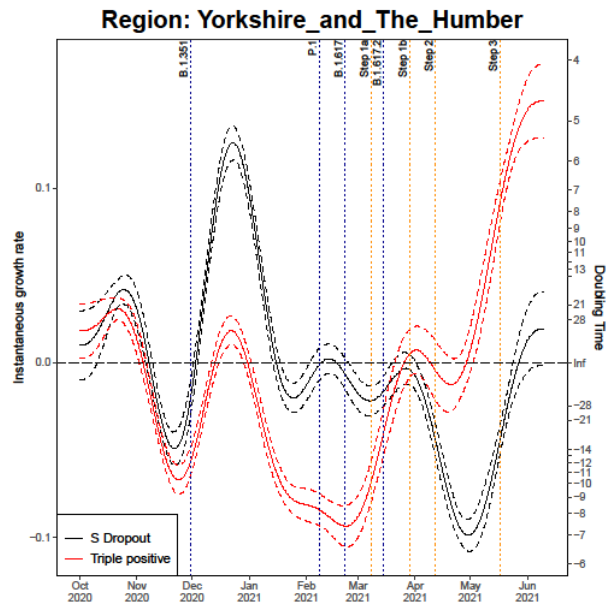




Appendix B: Cases Regions

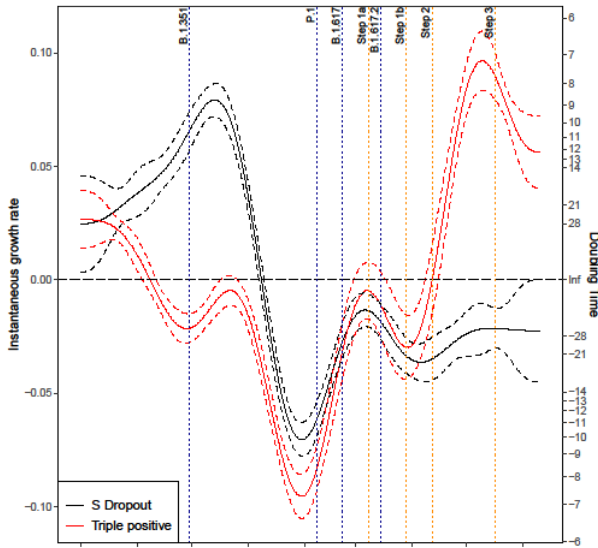




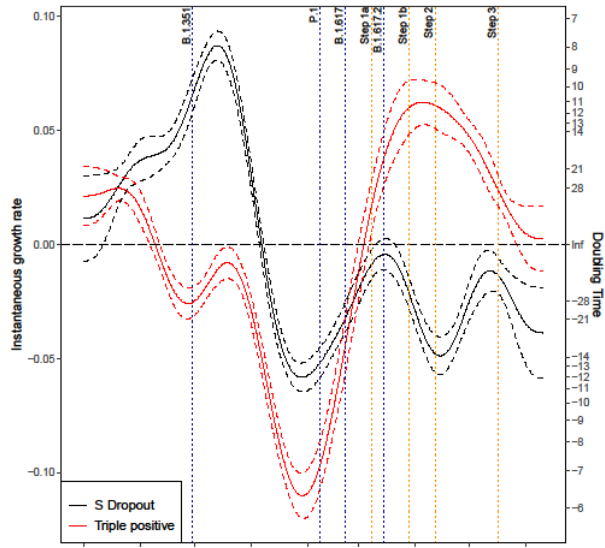


Appendix C: Cases Ethnicity

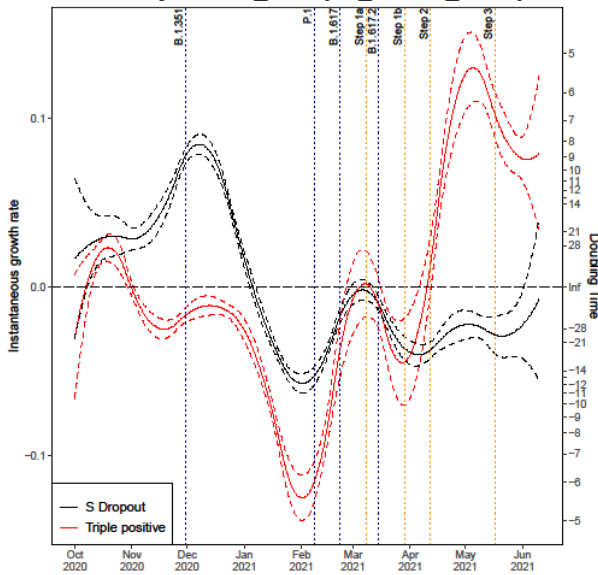
Ethnicity: Black_African_Caribbean_Black_British



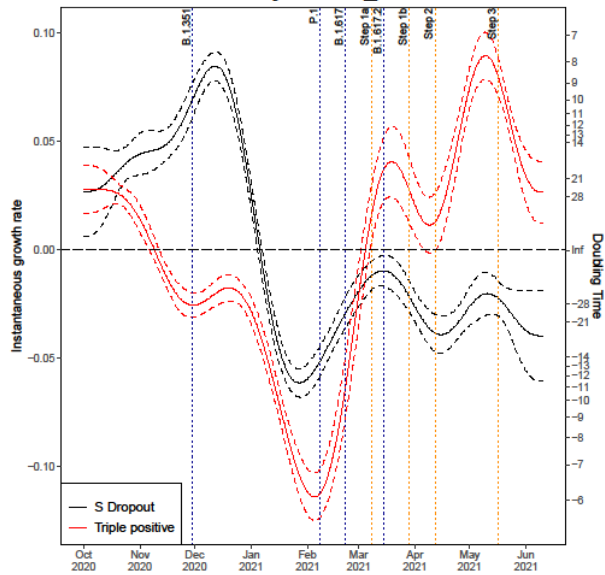
Ethnicity: Indian

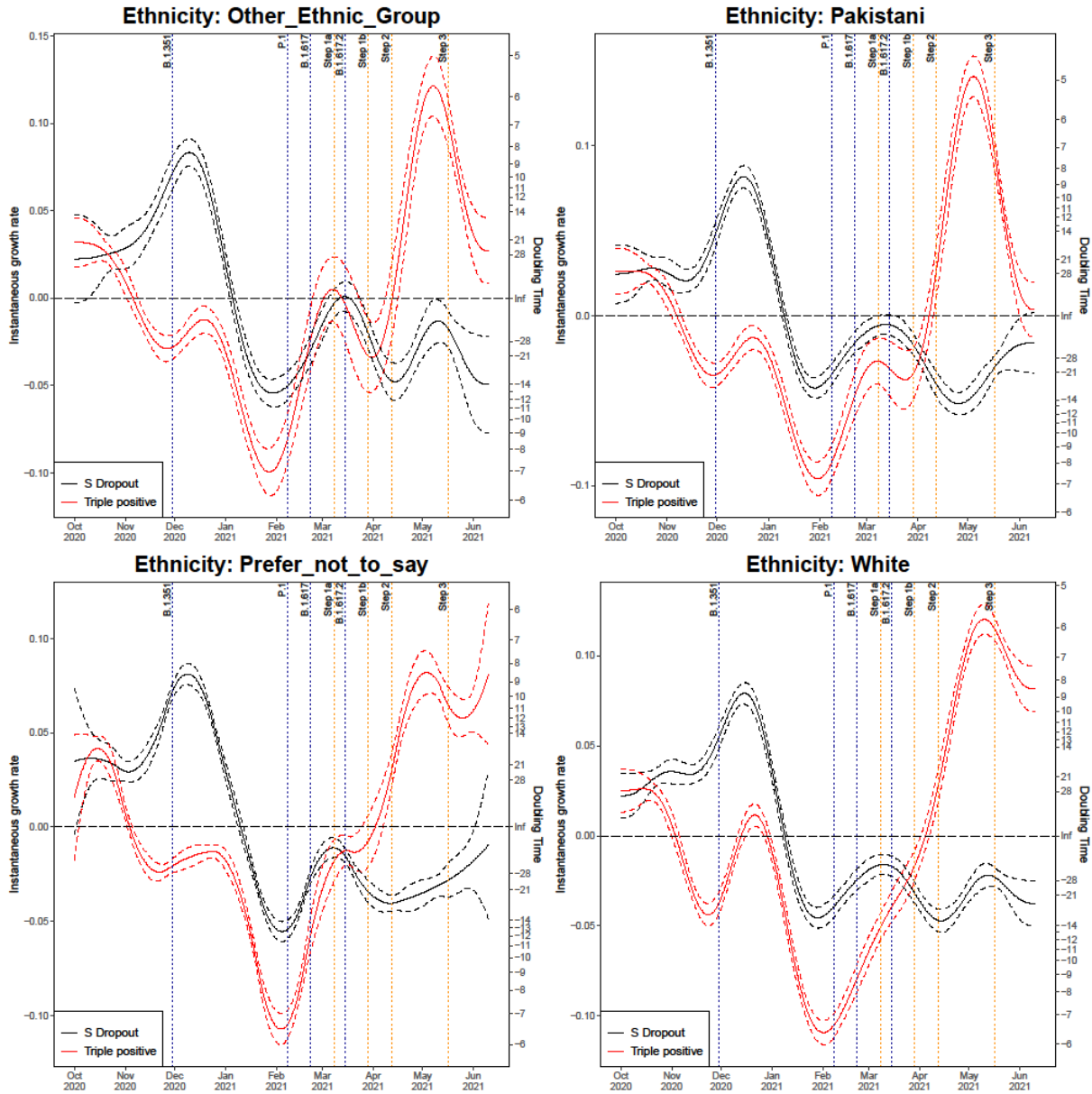


Ethnicity: Mixed_Multiple_Ethnic_Groups

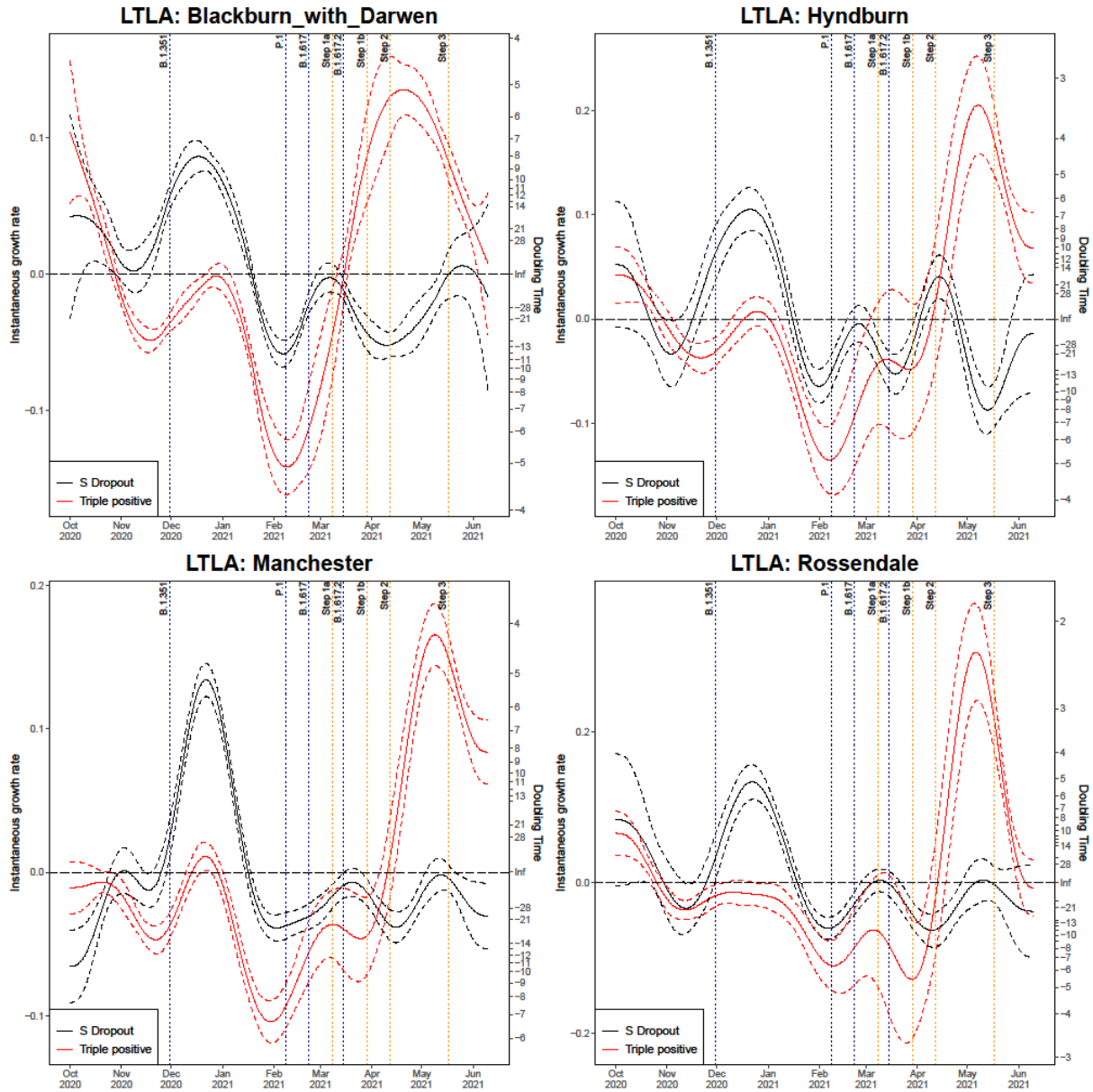


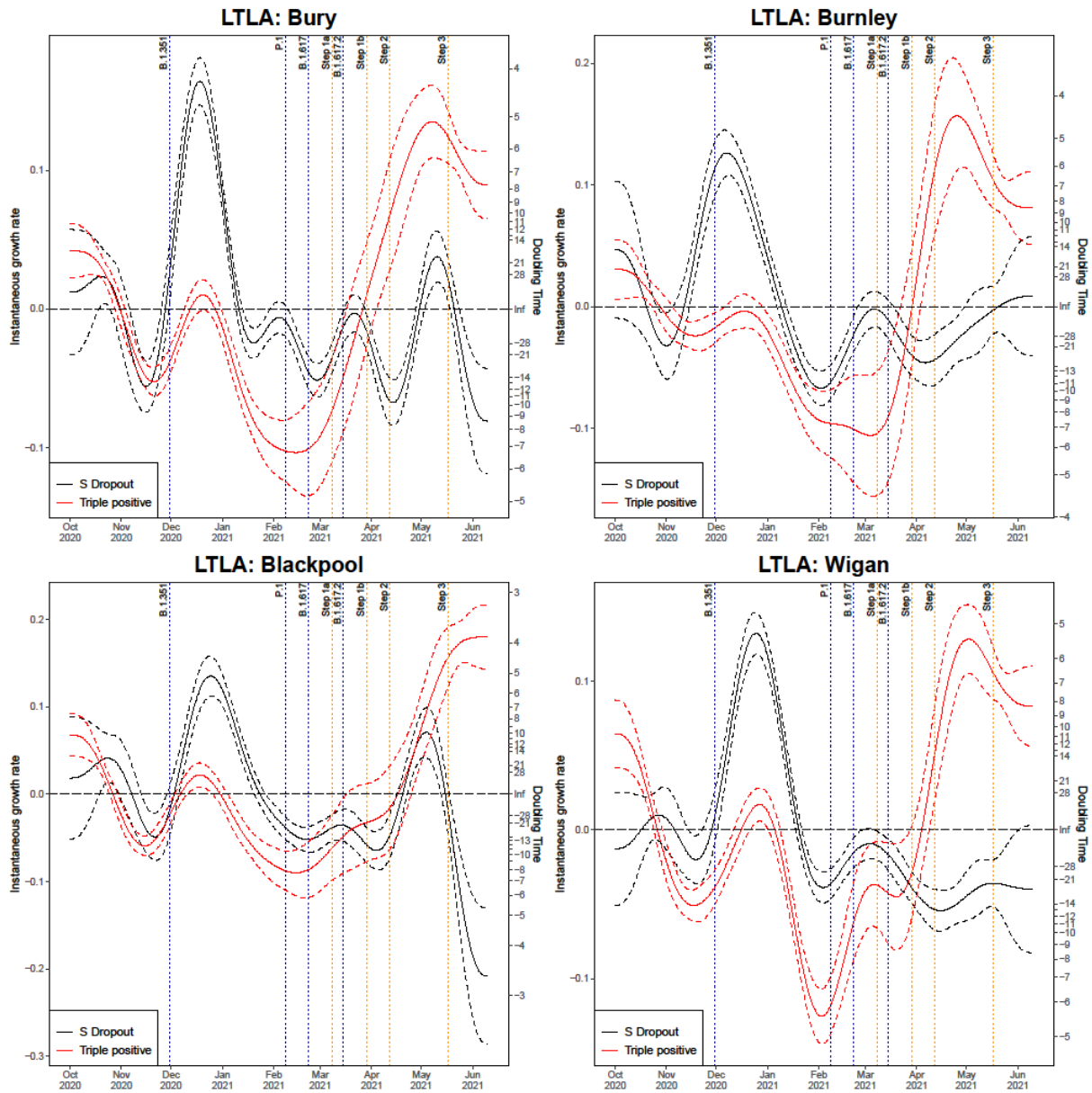
Ethnicity: Other_Asian

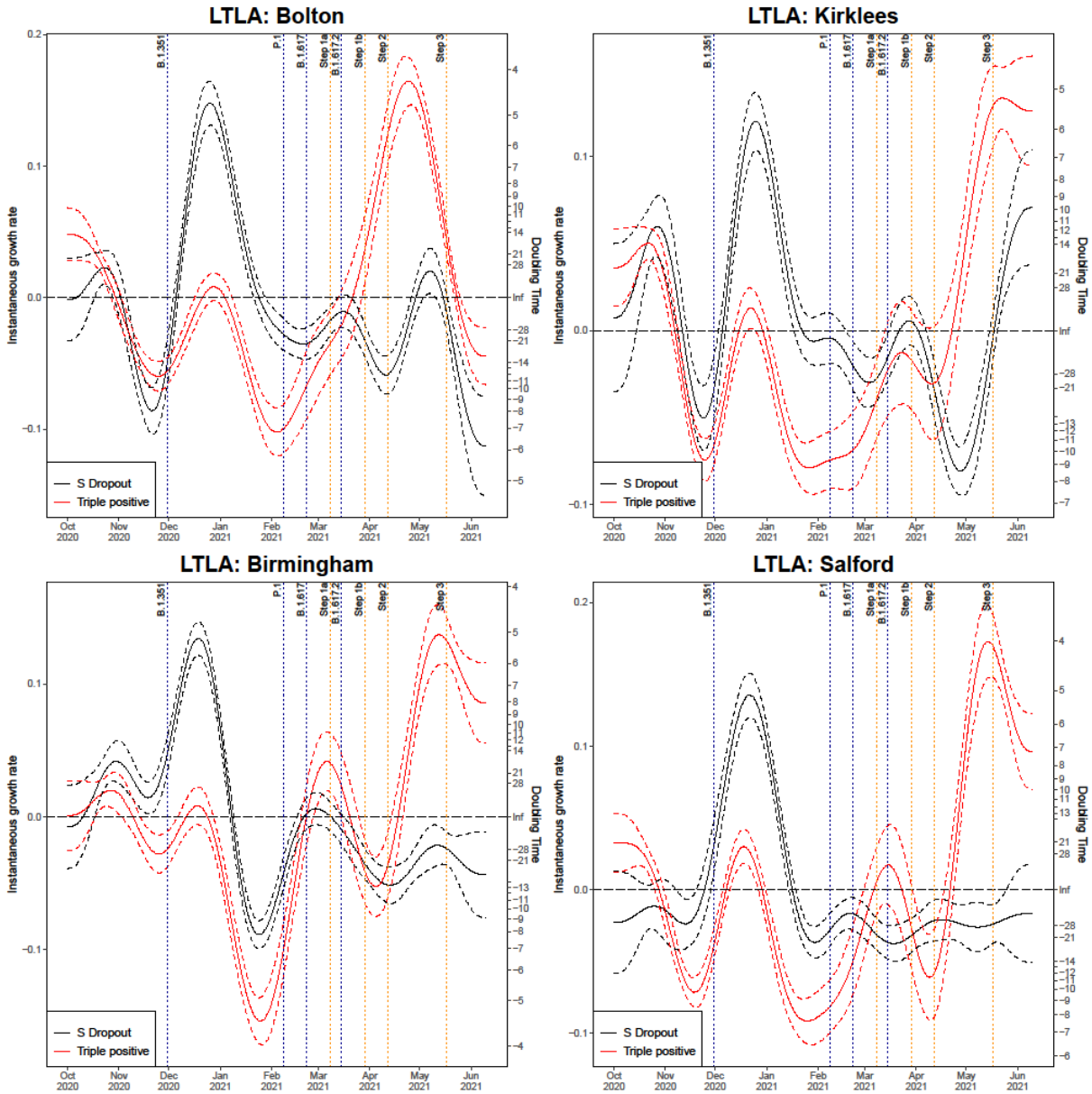


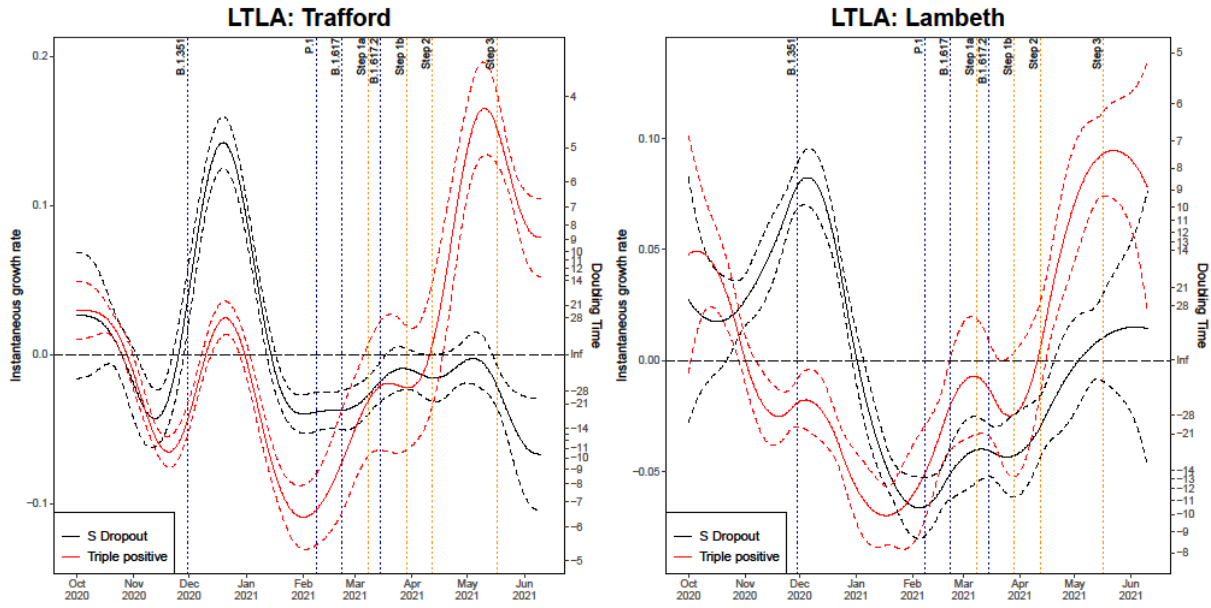


Appendix D: Cases LTLA

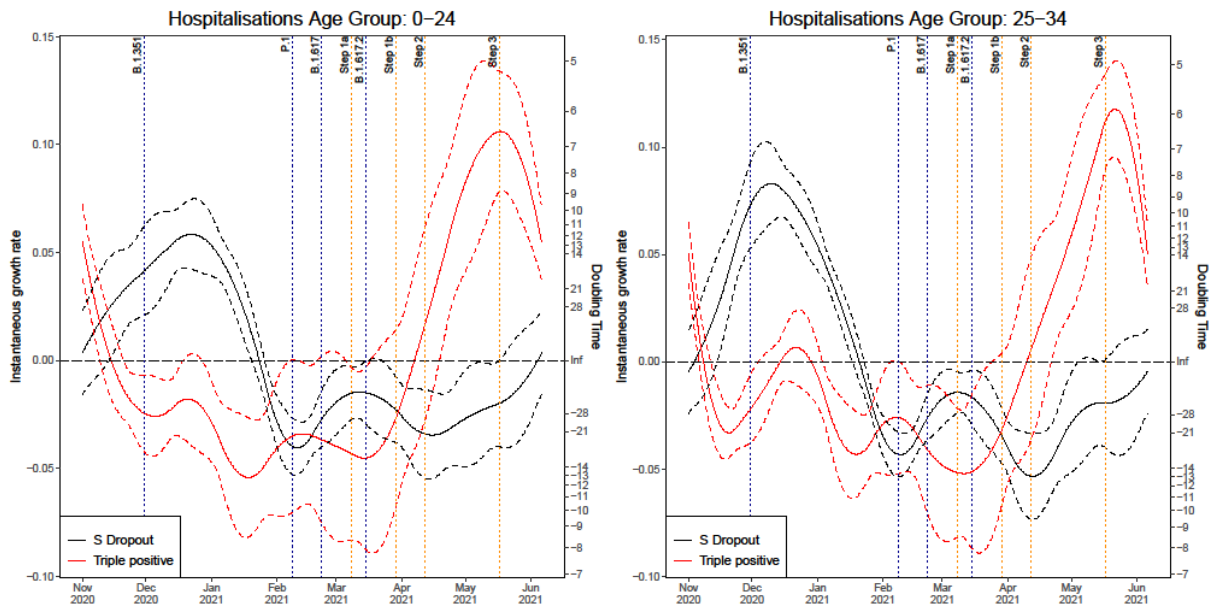


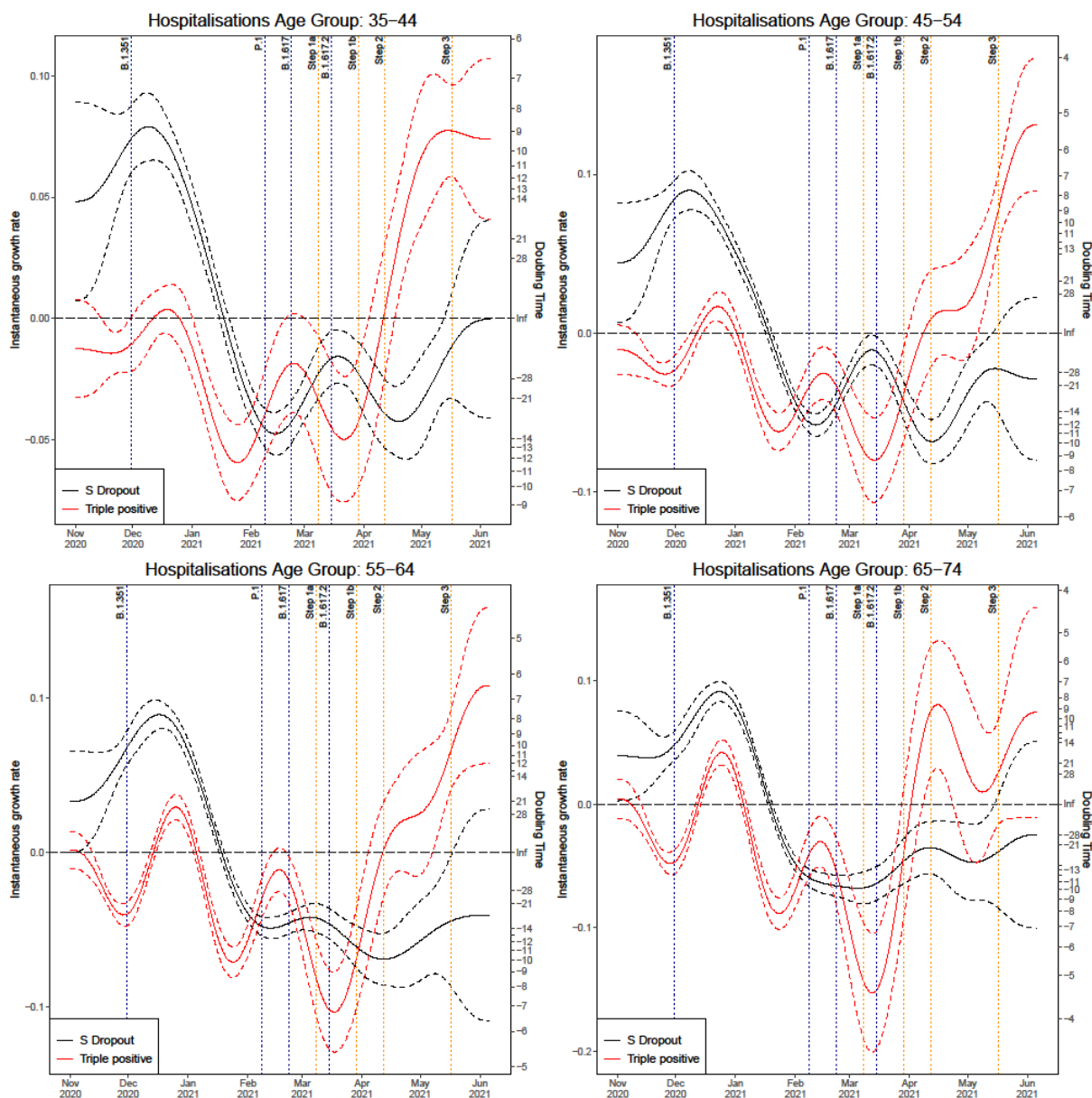


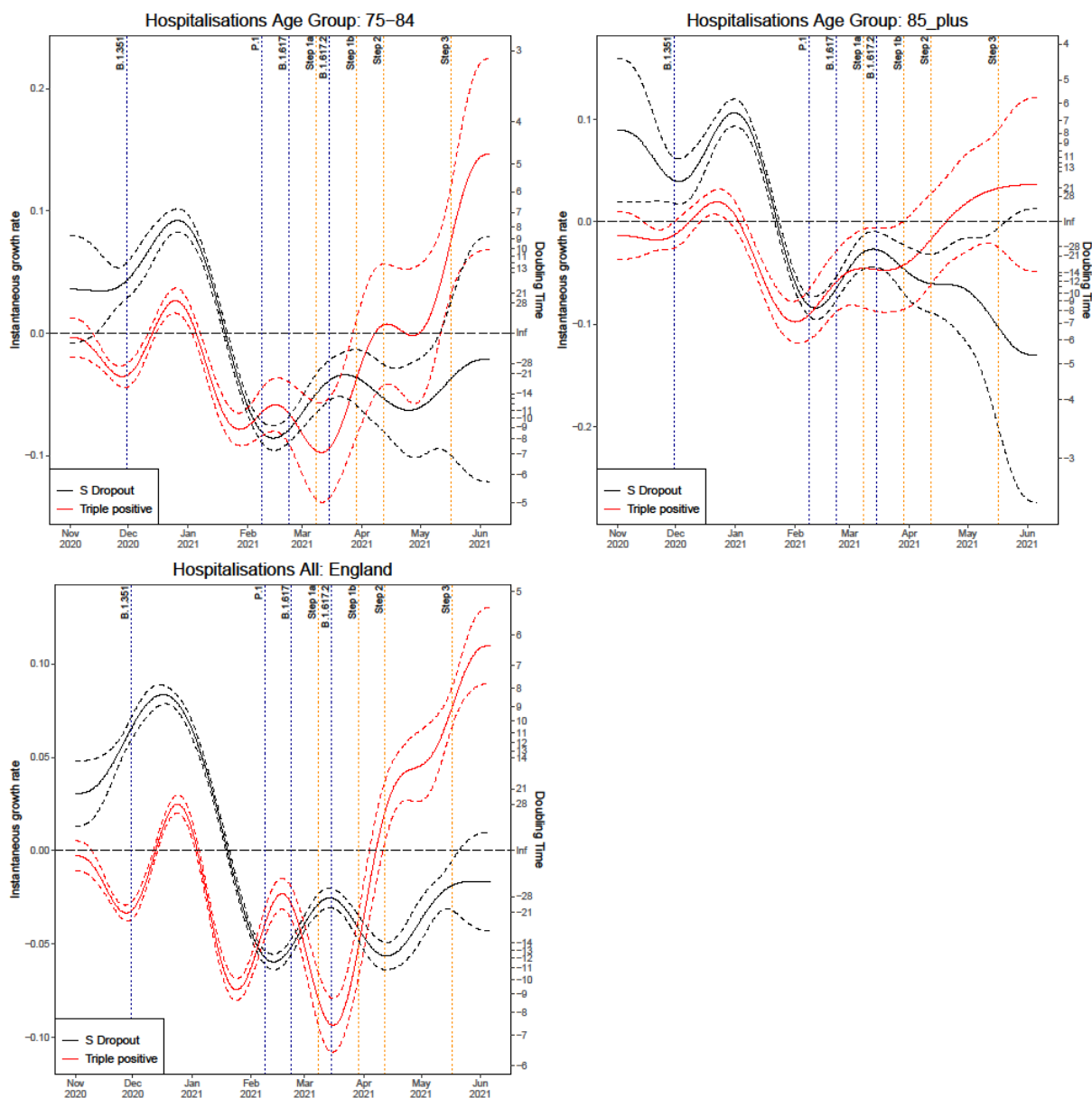




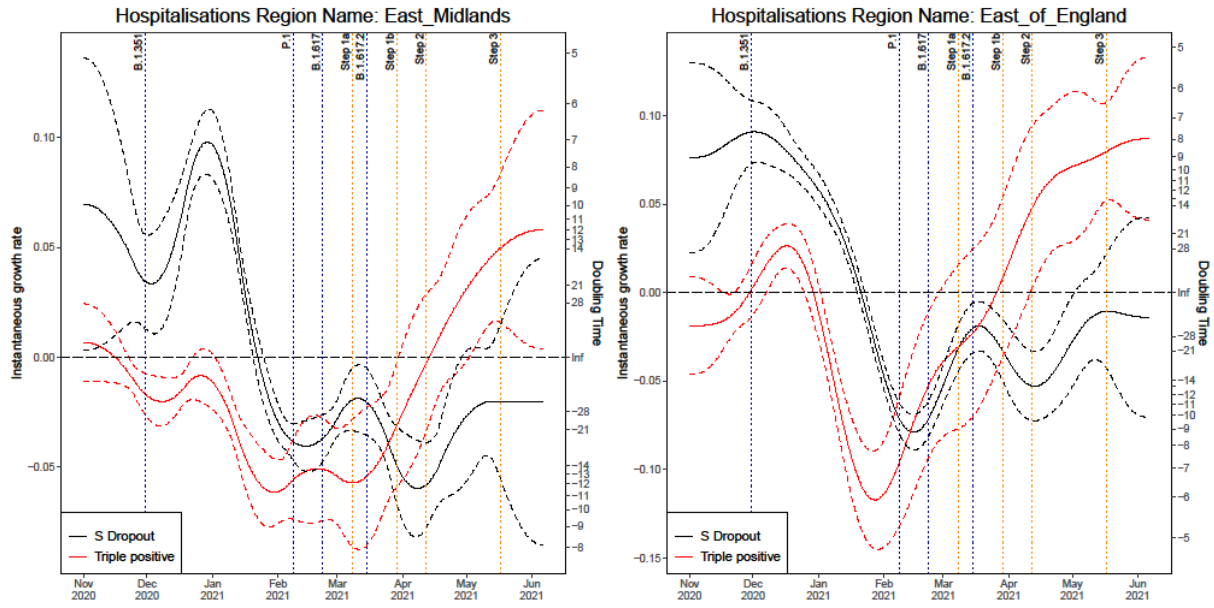
Appendix E: Hospitalisation Age Groups

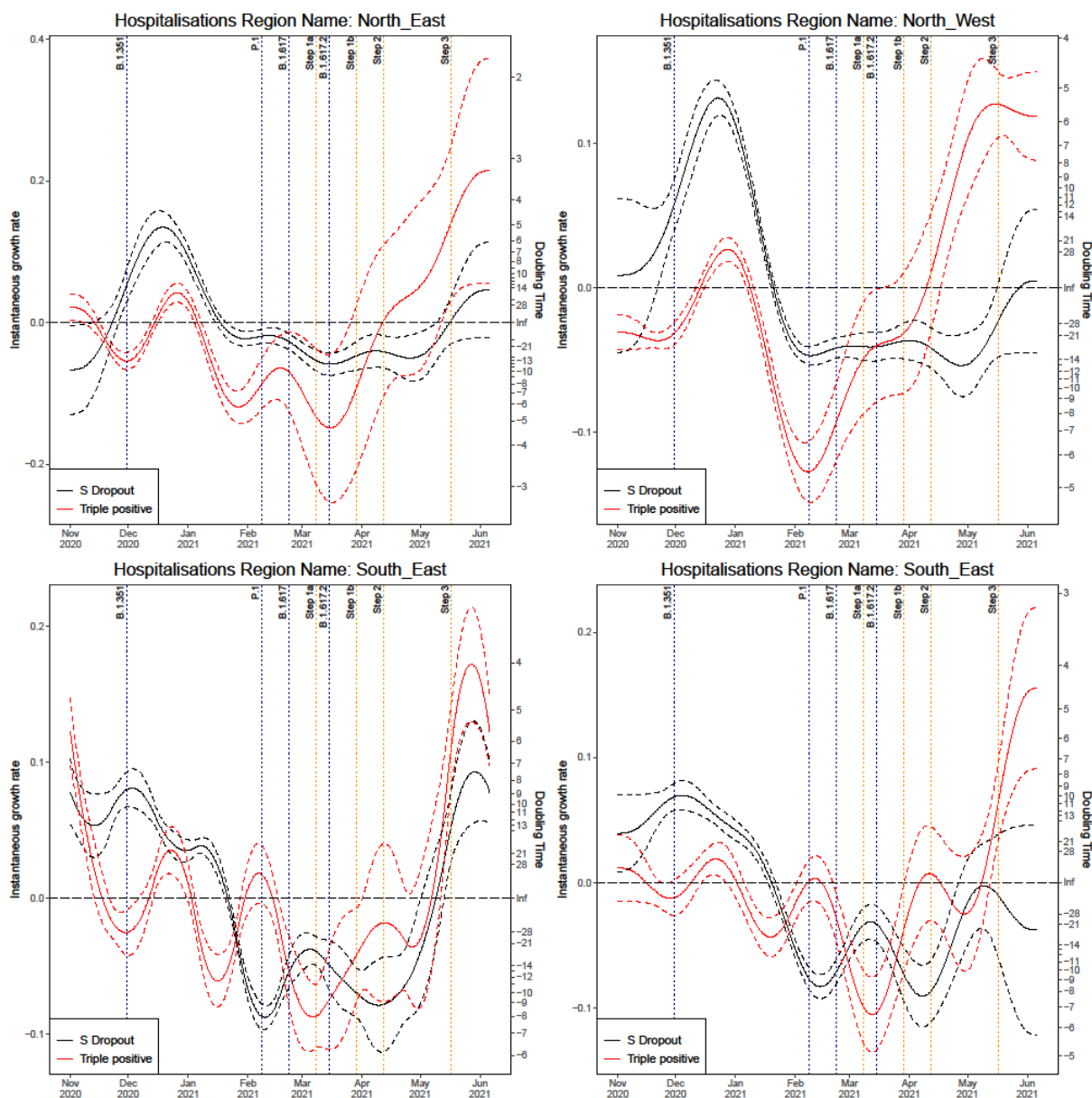


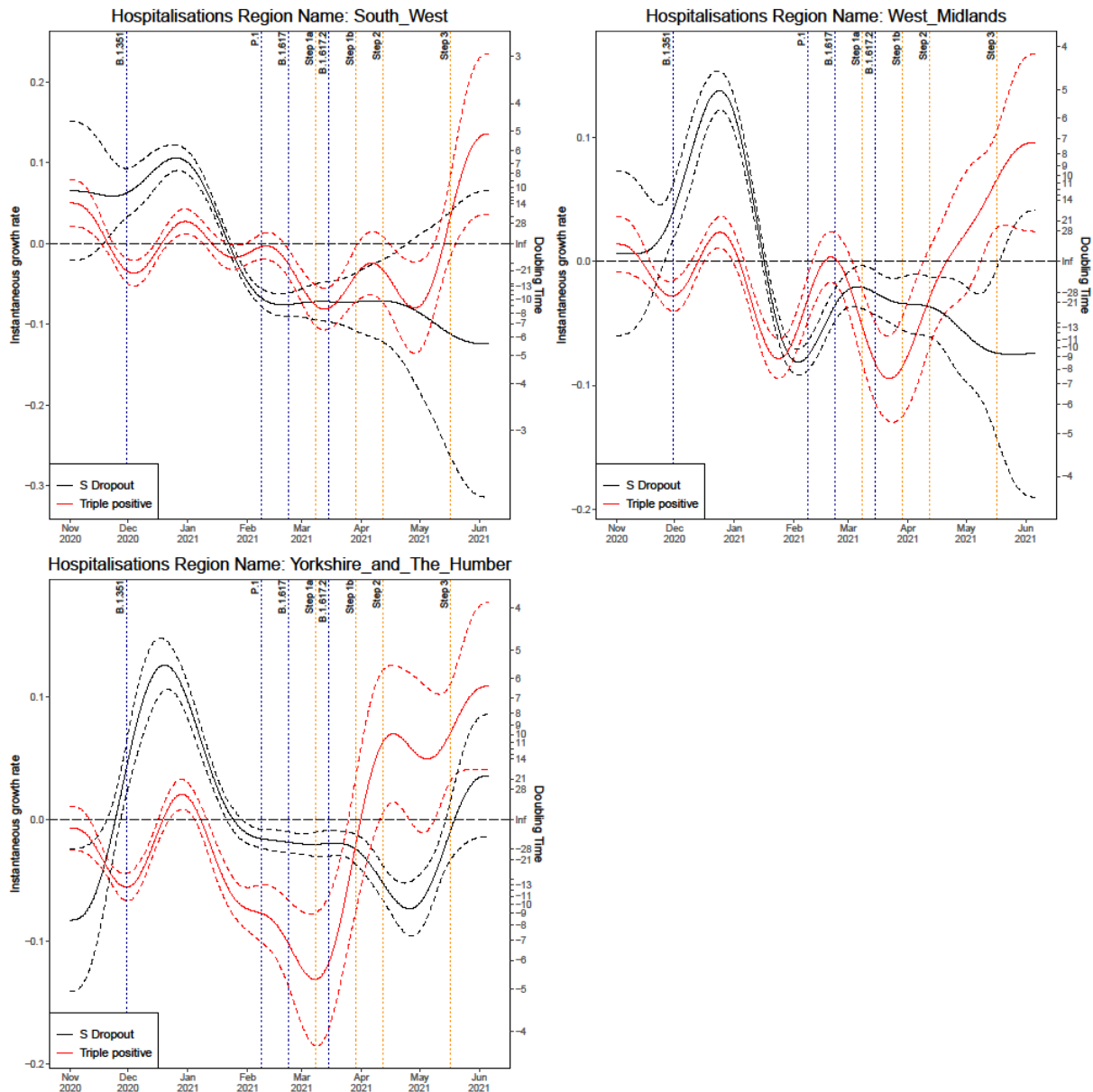




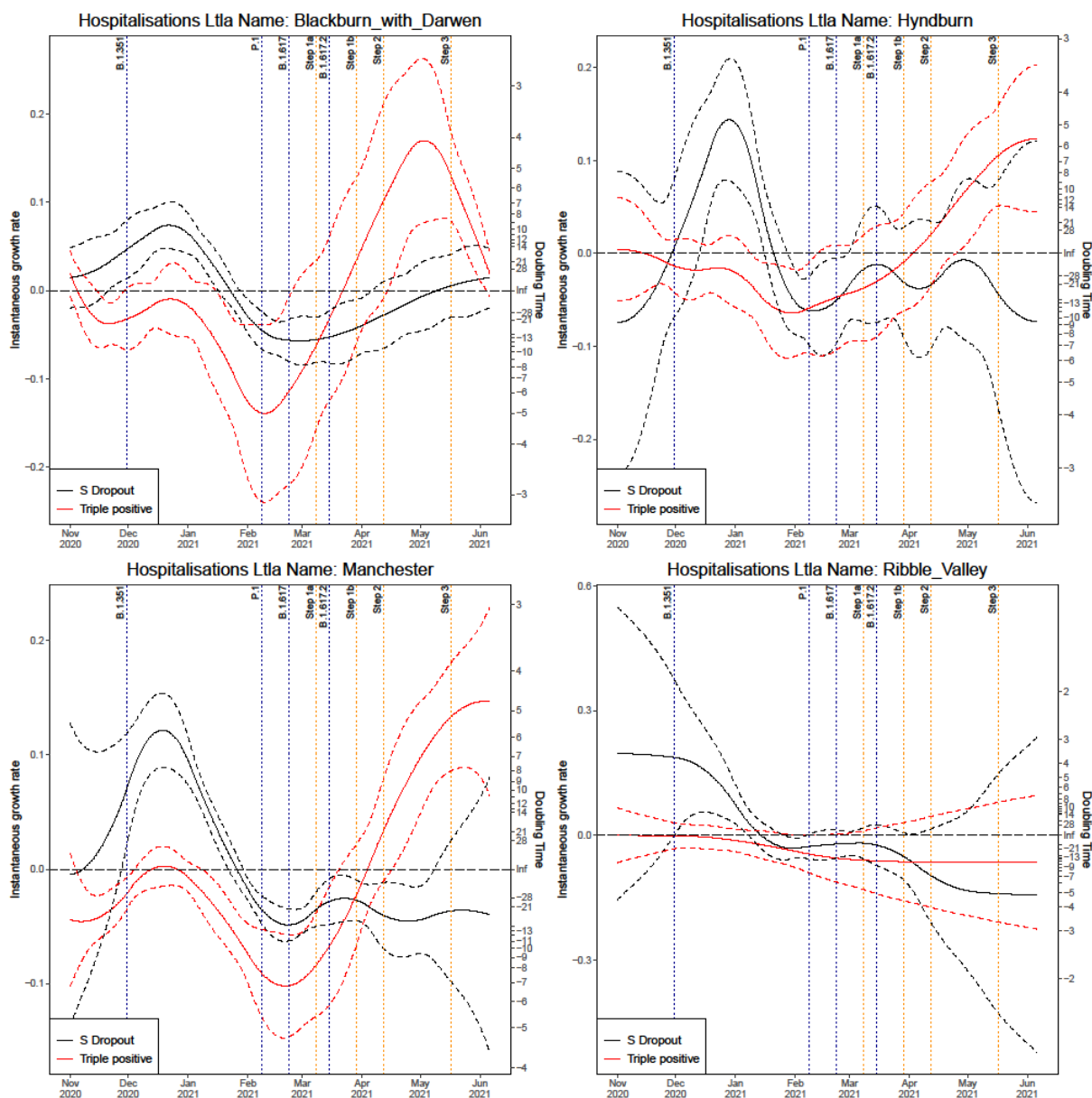
Appendix F: Hospitalisation Region

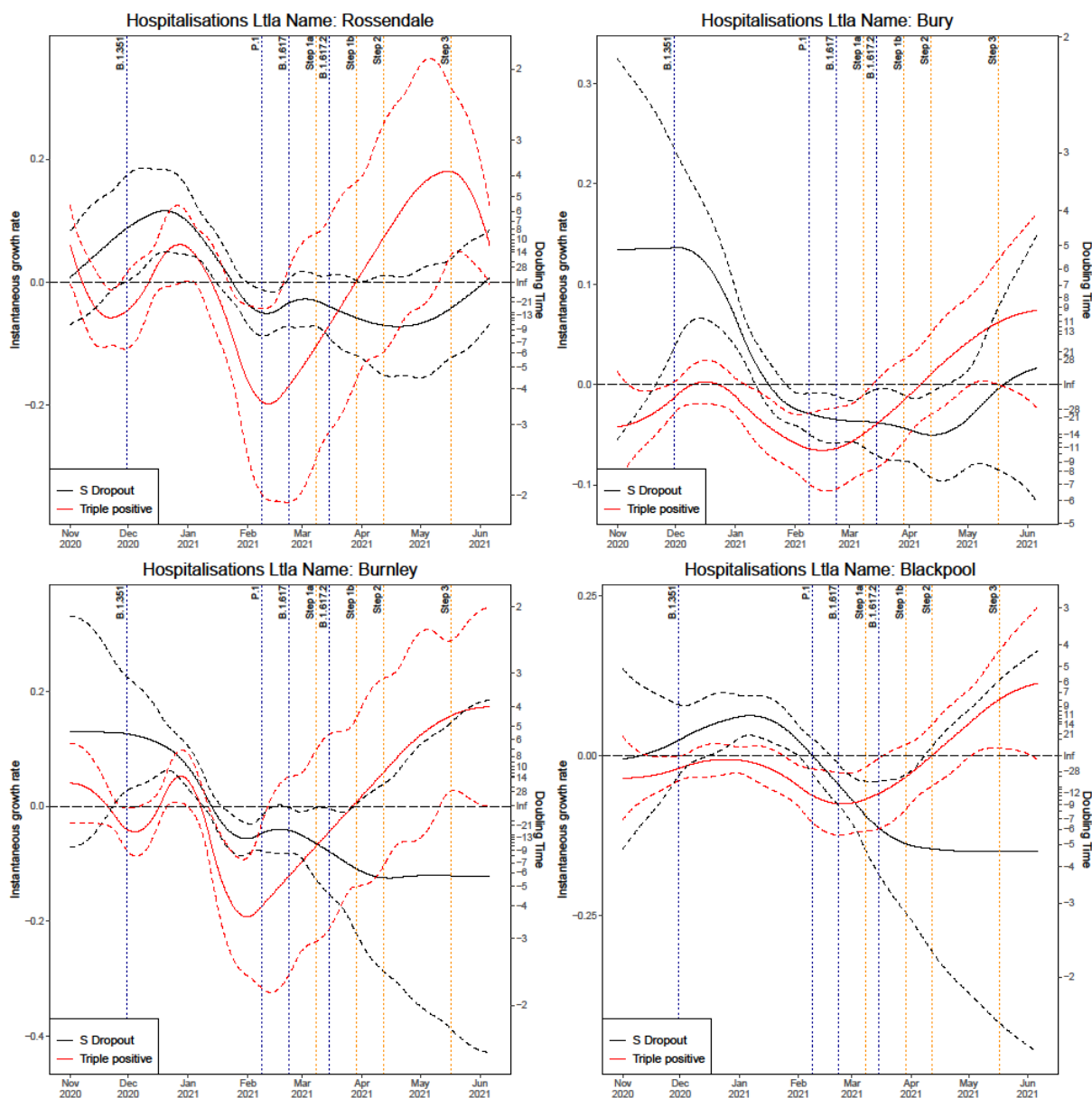


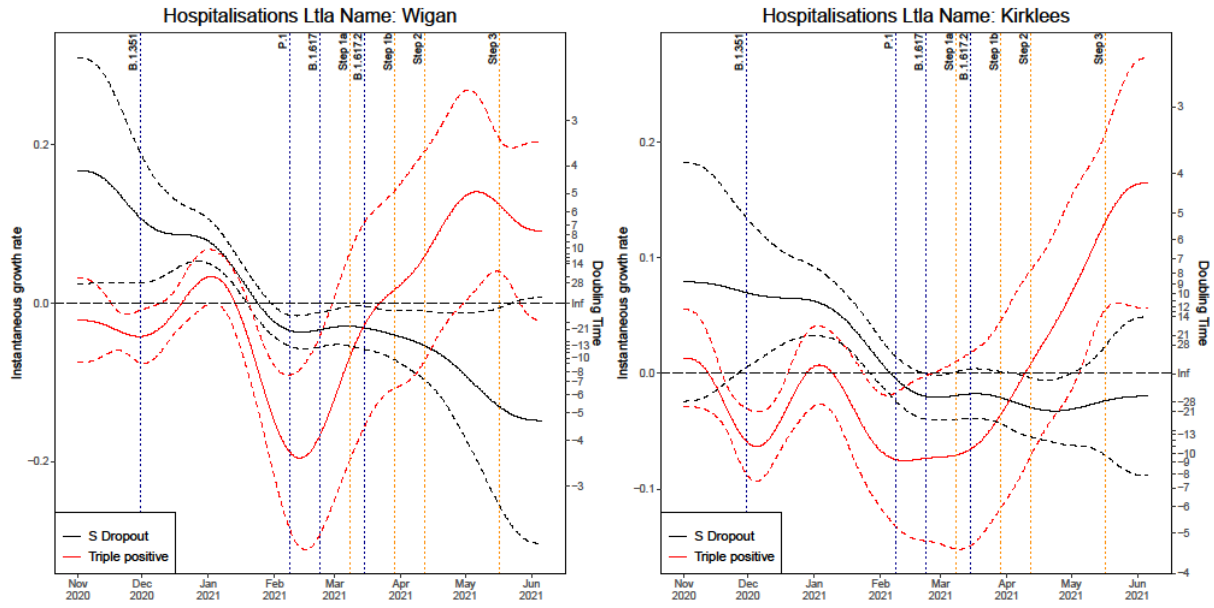


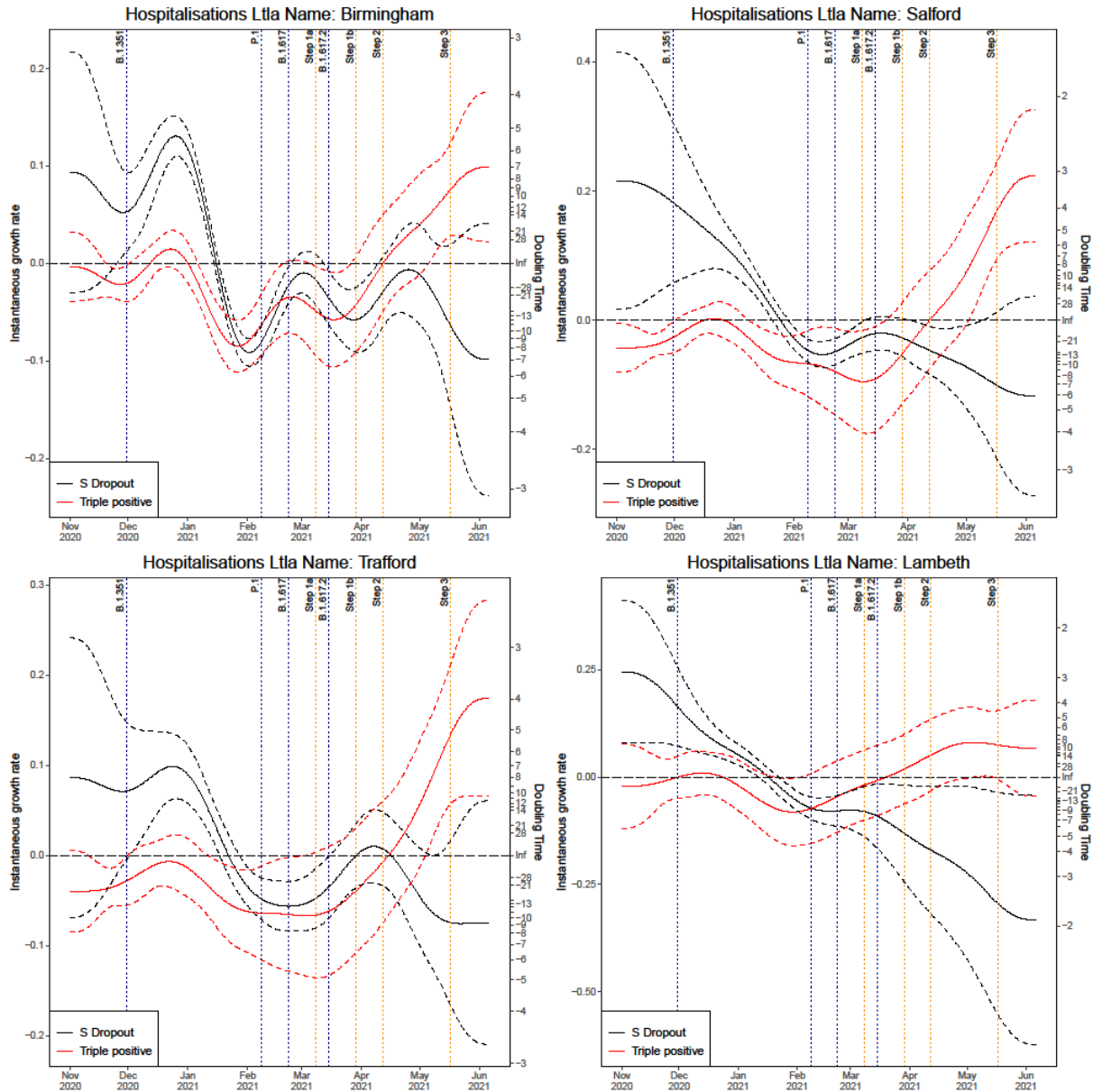


Appendix G: Hospitalisation LTLA









Appendix H

	SI mean	SI SD
	5.68	4.77
	2.97	3.29
	5.3	0.26
	7.2	
	4.55	3.3
	4.6	5.55
	5.1	5.3
	5.1	
	3.9	4.75
	6.5	
	4.9	4.4
	6.5	4.7
	6.3	4.2
	5.9	4.8
	3.9	4.24
	4.3	0.716
	7.5	3.4
	5.2	4.32
	4.1	0.882

	6.6	
	3.4	
	3.1	0.75
	5.5	3.9
	4.7	2.9
	5.8	
Mean	5.144	3.496
SD	1.22657	1.659
Min	2.97	0.26
Max	7.5	5.55

Appendix I

Time from Symptom Onset to Specimen Date

Start Date	End Date	N	Fit	Mean	SD	Alpha	Beta	Loaic	Waic	Max Rhat	Min Rhat	Bad Pareto
01/01/2020	31/05/2020	557	weibull	3.66875	2.76983	1.34002	3.99321	2520.042	2519.159	1.00519	1.00089	0
01/06/2020	31/08/2020	4069	weibull	2.95717	2.39506	1.2423	3.17018	16859.34	16857.72	1.00025	0.999731	0
01/09/2020	30/09/2020	10000	weibull	2.6209	2.11027	1.24985	2.81378	39058.67	39055	1.00013	0.999542	0
01/10/2020	31/10/2020	10000	weibull	2.18193	2.05758	1.06113	2.2331	36226.77	36230.66	1.00124	0.99963	0
01/11/2020	30/11/2020	10000	weibull	1.97344	2.18076	0.906533	1.8826	34588.96	34602.01	1.00749	1.00303	0
01/12/2020	31/12/2020	10000	weibull	2.45101	2.17378	1.12993	2.56172	38238.76	38241.01	1.00077	1.00026	0
01/01/2021	31/01/2021	10000	weibull	2.07839	2.06587	1.00626	2.0836	35433.81	35439.34	1.00173	1.00054	0
01/02/2021	28/02/2021	10000	weibull	1.94196	2.00735	0.967796	1.91389	34250.36	34259.23	1.00184	0.999833	0
01/03/2021	31/03/2021	10000	weibull	1.96348	2.00263	0.98072	1.94674	34429.29	34437.08	1.00288	0.999865	0
01/04/2021	30/04/2021	10000	weibull	2.10586	2.06323	1.02091	2.12367	35648.06	35652.98	1.00075	0.999712	0
01/05/2021	31/05/2021	10000	weibull	2.01347	2.07044	0.972811	1.98905	34898.79	34906.32	1.00235	1.00046	0