Pairwise comparisons − ratio of mean scores (for overlapping forecast sets)

Deaths

	Regional/Age	Transmission	EpiSoon	Secondary care ABC	StructuredODE	SIRCOVID	DetSEIRwithNB MCMC	DetSEIRwithNB MLE	Microsimulation
Microsimulation	0.3	0.19	0.65	1.39	0.39	0.72		0.65	1
DetSEIRwithNB MLE	0.65	0.43	0.37	0.77	0.86	0.51	0.61	1	1.54
DetSEIRwithNB MCMC	0.44	0.57	0.23		0.86	0.57	1	1.64	
SIRCOVID	1.67	0.28	0.89	1.39	1.5	1	1.77	1.97	1.39
StructuredODE	0.84	0.34	0.56	0.69	1	0.67	1.17	1.16	2.55
Secondary care ABC	0.83		0.45	1	1.44	0.72		1.3	0.72
Exponential growth/decline									
EpiSoon	1.71	0.34	1	2.24	1.79	1.13	4.42	2.7	1.53
Transmission	7.28	1	2.91		2.95	3.56	1.75	2.35	5.28
NHSBHM									
Regional/Age	1	0.14	0.59	1.21	1.2	0.6	2.27	1.53	3.34

Hospital admissions

	Regional/Age	NHSBHM	Transmission	EpiSoon	Exponential growth/decline	Secondary care ABC	StructuredODE	SIRCOVID	DetSEIRwithNB MCMC	DetSEIRwithNB MLE	Microsimulation
Microsimulation	0.1	1.03	1.49	0.93	1.88	0.58	0.52			0.84	1
DetSEIRwithNB MLE		0.72	0.81	0.96		0.95	0.47	0.96	0.62	1	1.19
DetSEIRwithNB MCMC		1.13	0.94	0.91		1.45	0.77	1.15	1	1.62	
SIRCOVID		0.74		0.44		0.95	0.28	1	0.87	1.04	
StructuredODE	0.04	1.42	1.17	1.52	2.51	2.12	1	3.54	1.3	2.14	1.94
Secondary care ABC		0.82	0.77	0.87		1	0.47	1.05	0.69	1.06	1.74
Exponential growth/decline				0.35	1		0.4				0.53
EpiSoon	0.06	0.86	1.04	1	2.87	1.15	0.66	2.25	1.09	1.05	1.08
Transmission		0.85	1	0.96		1.3	0.86		1.06	1.24	0.67
NHSBHM		1	1.17	1.17		1.23	0.71	1.35	0.89	1.4	0.97
Regional/Age	1			15.44			22.52				9.97

Total beds occupied

	NHSBHM	Transmission	Exponential growth/decline	Secondary care ABC	StructuredODE	SIRCOVID	DetSEIRwithNB MCMC	DetSEIRwithNB MLE	Microsimulation
Microsimulation		1.52	0.28	0.99	1.03	1.3		0.7	1
DetSEIRwithNB MLE	0.25	0.69		0.38	0.8	0.77	0.66	1	1.42
DetSEIRwithNB MCMC	0.34	0.91		0.5	0.53	1.01	1	1.52	
SIRCOVID	0.38	1.02		0.5	0.67	1	0.99	1.31	0.77
StructuredODE	0.66	0.95	0.12	0.82	1	1.49	1.89	1.24	0.97
Secondary care ABC	0.86	2.02		1	1.22	2.02	2	2.61	1.01
Exponential growth/decline			1		8.41				3.53
EpiSoon									
Transmission	0.43	1		0.5	1.06	0.98	1.1	1.45	0.66
NHSBHM	1	2.3		1.17	1.52	2.6	2.95	3.94	
Regional/Age									