

Summary of How Transmission Parameters Compare With Different Reporting Probabilities Under The Alert Levels

SEIR

Model	Reporting Probability Dist.	No Alert Level (No-ALS)	Alert Level 2 (ALS-2)	Alert Level 3 (ALS-3)	Modified Alert Level 3 (Mod-ALS-3)	Alert Level 4 (ALS-4)
SEIR	Base Guess	0.12	0.44	0.14	0.12	0.03
	Constant	0.04	0.44	0.15	0.11	0.05
	Constant Drop	0.05	0.40	0.09	0.13	0.05
	Slowly Increasing	0.04	0.45	0.16	0.11	0.05
	Weibull	0.04	0.44	0.14	0.10	0.04
	Gamma	0.05	0.40	0.08	0.13	0.04

SEARCH-ID

Model	Reporting Probability Dist.	No Alert Level (No-ALS)	Alert Level 2 (ALS-2)	Alert Level 3 (ALS-3)	Modified Alert Level 3 (Mod-ALS-3)	Alert Level 4 (ALS-4)
SEARCH-ID	Base Guess	0.81	1.72	0.73	0.74	0.31
	Constant	0.32	1.73	0.87	0.73	0.43
	Constant Drop	0.35	1.65	0.76	0.84	0.4
	Slowly Increasing	0.30	1.76	0.88	0.70	0.43
	Weibull	0.28	1.73	0.81	0.65	0.37
	Gamma	0.36	1.65	0.68	0.82	0.35