

Table 4. Posterior estimates for the alternative prior.

Parameters	Mean	SD	5%	50%	95%	Original mean	Percentage of deviation
α	-4.12	24.47	-45.23	-3.78	34.62	0.56	-839.02
β_1	0.24	0.27	-0.18	0.24	0.69	0.23	8.20
β_{2-IHE}	-1.47	21.00	-34.67	-2.10	34.62	-0.17	736.37
β_{2-LHTL}	30.77	23.23	-6.47	30.57	69.27	2.66	1058.70
σ	28.60	5.47	21.34	27.83	38.55	28.72	-0.41

Mean indicates mean of the posterior distribution with alternative priors; SD, standard deviation of the posterior distribution with alternative priors; 5%-50%-95%, highest posterior density interval (5% - 95%) and median of the posterior distribution (50%) with alternative priors; Original model mean, posterior mean of analysis with original priors; Percentage of deviation = (mean – original mean) / original mean * 100