Table 1 Selection of the best-fitted model for the HIV dataset (cases diagnosed as HIV-positive without AIDS diagnosed or before a diagnosis of AIDS) and the AIDS dataset (cases diagnosed as HIV-positive after a diagnosis of AIDS), applying 4 different parametric models

Parametric model	HIV dataset		AIDS dataset	
	Log-likelihood	AIC	Log-likelihood	AIC
Exponential	−4563.80	9153.60	−4296.08	8835.16
Weibull	−4560.50	9148.00	−4254.09	8552.20
Log-normal	−4594.24	9215.50	−4255.07	8554.20
Log-logistic	−4563.25	9153.50	−4268.23	8580.46

AIC = Akaike information criterion.