

Table A2. Goodness of fit statistics for the three-parameter lognormal and other distributions, by treatment for the Misoprostol trial, the Active Management trial and the Althabe trial, and for aggregated treatments for the CHAMPION trial

Trial	Treatment	Distribution	AIC*	-2Loglikelihood	BIC*
Misoprostol	Misoprostol	Three-parameter Lognormal	122626.20	122620.19	122647.58
		Log Generalized Gamma	122639.50	122633.50	122660.88
		Lognormal	122668.73	122664.73	122682.98
		Loglogistic	122747.84	122743.84	122762.10
		Weibull	123996.77	123992.77	124011.03
		LEV	124454.15	124450.15	124468.41
	Oxytocin	Three-parameter Lognormal	120155.96	120149.96	120177.35
		Log Generalized Gamma	120361.89	120355.89	120383.28
		LEV	122058.99	122054.99	122073.25
Active Management	Simplified Package	Three-parameter Lognormal	153067.61	153061.61	153089.69
		Log Generalized Gamma	153203.14	153197.14	153225.22
		LEV	154419.72	154415.71	154434.44
	Full Package	Three-parameter Lognormal	152454.39	152448.39	152476.47
		Log Generalized Gamma	152623.15	152617.15	152645.23
		LEV	154008.31	154004.31	154023.03
CHAMPION	Aggregated	Three-parameter Lognormal	263897.57	263891.57	263921.36
		Log Generalized Gamma	264203.15	264197.15	264226.94
		LEV	269155.78	269151.78	269171.64
Althabe et al	Hands Off	Three-parameter Lognormal	1312.4056	1306.1503	1319.9052
		Lognormal	1312.7782	1308.6518	1317.8218
		Loglogistic	1314.8331	1310.7068	1319.8767
		LEV	1326.3266	1322.2003	1331.3702
	CCT	Three-parameter Lognormal	1332.0212	1325.7738	1339.6192
		Lognormal	1335.2346	1331.1121	1340.3424
		Loglogistic	1336.5424	1332.4199	1341.6502
		LEV	1354.9820	1350.8595	1360.0898

* AIC: Akaike Information Criterion; BIC: Bayesian Information Criterion