

VIF and tolerance test to check the existence of multicollinearity between covariates

<i>Variable</i>	<i>VIF</i>	<i>1/VIF</i>
<i>Residence</i>	2.30	0.4347
<i>Mother Educational Level</i>	1.72	0.5813
<i>Knowledge of any contraceptive method</i>	1.66	0.6024
<i>Media exposure (Television)</i>	1.59	0.6289
<i>Wealth index</i>	1.51	0.6622
<i>Marital status</i>	1.36	0.7352
<i>Household size</i>	1.10	0.9090
<i>Media exposure (Radio)</i>	1.09	0.9174
<i>Mean VIF</i>	1.54	

Variance inflation factor (VIF) and tolerance were computed to check the existence of multicollinearity prior to running multivariable Weibull accelerated failure time (AFT) model. A VIF above 4 or tolerance below 0.25 indicated that multicollinearity might exist (42). In this study, the maximum VIF was 2.30 with mean VIF of 1.54 and the minimum tolerance value is 0.43. . Thus, there is no multicollinearity between covariates.