

Table 32: Power of various tests for an outcome dependent visit process when the outcome follows a linear mixed model with $m = 100$ subjects and an average sample size of 9. Outcome dependence is on a lagged value of the outcome. Results are presented for the case of all irregular visits (top panel) or a mix of regular and irregular visits (bottom panel). The tests look for dependence of the actual visit times (Cox), intervisit times (IVT) or the number of visits (n_i or n_{ij}^*) on the best predicted values of the random intercept and slope (b0b1) or the random effects portion of the linear predictor (zb).

Informative Visit Process	Power								
	δ_Y	Coxb ₀ b ₁	Coxzb	N_i b ₀ b ₁	n_i zb	IVTb ₀ b ₁	IVTzb	GEEn _i [*]	GEEn _i
Irregular visits									
	0.00	0.079	0.043	0.050	0.056	0.072	0.066	0.071	0.082
	0.10	0.192	0.204	0.268	0.328	0.162	0.232	0.218	0.322
	0.20	0.604	0.604	0.790	0.858	0.512	0.650	0.644	0.852
	0.25	0.798	0.838	0.950	0.970	0.740	0.846	0.802	0.964
	0.30	0.940	0.958	0.988	1.000	0.870	0.956	0.916	0.990
	0.35	0.980	0.986	0.998	0.998	0.966	0.990	0.978	1.000
	0.40	0.998	0.998	1.000	1.000	0.994	0.998	0.994	1.000
Mixed visits									
	0.00	0.075	0.045	0.059	0.061	0.085	0.075	0.090	0.094
	0.10	0.192	0.238	0.164	0.204	0.064	0.076	0.120	0.198
	0.20	0.596	0.718	0.546	0.576	0.194	0.232	0.394	0.590
	0.25	0.802	0.870	0.718	0.804	0.262	0.320	0.506	0.736
	0.30	0.916	0.968	0.854	0.890	0.342	0.452	0.698	0.886
	0.35	0.976	0.994	0.946	0.970	0.456	0.616	0.810	0.960
	0.40	0.994	0.998	0.984	0.994	0.562	0.730	0.922	0.992