Table 35: 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 5. Outcome dependence is on the conditional linear predictor. 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	$\mathrm{Cox}b_0b_1$	$\mathrm{Cox}zb$	$N_ib_0b_1$	n_izb	$\mathrm{IVT}b_0b_1$	$\mathrm{IVT}zb$	$\mathrm{GEE}n_i^*$	$\mathrm{GEE}n_i$
Irregular visits								
0.00	0.064	0.049	0.048	0.052	0.075	0.065	0.075	0.076
0.10	0.154	0.126	0.184	0.230	0.136	0.140	0.164	0.238
0.20	0.368	0.334	0.646	0.688	0.310	0.342	0.476	0.658
0.25	0.474	0.454	0.734	0.816	0.368	0.438	0.660	0.838
0.30	0.680	0.680	0.902	0.946	0.528	0.634	0.832	0.944
0.35	0.798	0.818	0.978	0.986	0.702	0.802	0.904	0.982
0.40	0.918	0.920	0.996	0.998	0.844	0.916	0.970	0.994
Mixed visits								
0.00	0.074	0.058	0.056	0.058	0.098	0.064	0.089	0.093
0.10	0.150	0.158	0.110	0.130	0.084	0.064	0.140	0.202
0.20	0.438	0.460	0.352	0.406	0.100	0.106	0.272	0.398
0.25	0.572	0.674	0.500	0.568	0.140	0.146	0.410	0.546
0.30	0.760	0.794	0.666	0.734	0.186	0.178	0.526	0.706
0.35	0.894	0.928	0.806	0.858	0.196	0.224	0.648	0.800
0.40	0.946	0.964	0.906	0.932	0.244	0.324	0.774	0.918