Table 1: Comparative analysis of TMLEs and one-step estimators under model misspecifications when the outcome is not in the district of the treatment.

	TMLEs									One-step estimators								
	$\psi_{dnorm}(\hat{Q}^{\star})$			$\psi_{densratio}(\hat{Q}^{\star})$			$\psi_{bayes}(\hat{Q}^{\star})$			$\psi^+_{dnorm}(\hat{Q})$			$\psi^+_{densratio}(\hat{Q})$			$\psi^+_{bayes}(\hat{Q})$		
	Linear	$\operatorname{SL}$	$_{\mathrm{CF}}$	Linear	$\operatorname{SL}$	$_{\mathrm{CF}}$	Linear	$\operatorname{SL}$	$_{\mathrm{CF}}$	Linear	$\operatorname{SL}$	$_{\mathrm{CF}}$	Linear	$\operatorname{SL}$	$_{\mathrm{CF}}$	Linear	SL	$_{\mathrm{CF}}$
n=500																		
Bias	-0.551	-0.059	-0.069	-0.002	-0.038	-0.013	-0.516	-0.037	-0.022	-0.558	-0.077	-0.062	0.053	-0.015	0.040	-0.528	-0.060	-0.016
$^{\mathrm{SD}}$	1.114	1.126	1.158	1.118	1.128	1.132	1.144	1.117	1.176	1.122	1.123	1.176	1.246	1.145	1.149	1.168	1.111	1.188
MSE	1.545	1.270	1.344	1.250	1.273	1.281	1.573	1.247	1.381	1.568	1.267	1.385	1.555	1.310	1.321	1.642	1.237	1.410
CI coverage	92.1%	91.1%	95.4%	95.1%	92.2%	96%	93.1%	91.6%	95.4%	92.5%	91.3%	95.4%	93.8%	92.1%	94.8%	93.2%	92.1%	95.4%
CI width	4.463	4.036	4.697	4.461	4.070	4.614	4.542	3.993	4.731	4.538	4.046	4.706	4.578	4.069	4.590	4.658	3.983	4.746
n=1e+03																		
Bias	-0.615	-0.056	-0.059	-0.021	-0.008	-0.012	-0.581	-0.025	-0.022	-0.619	-0.065	-0.057	0.074	-0.019	0.010	-0.586	-0.041	-0.016
$^{\mathrm{SD}}$	0.820	0.840	0.860	0.799	0.825	0.829	0.847	0.832	0.858	0.825	0.837	0.861	0.869	0.829	0.837	0.857	0.829	0.862
MSE	1.050	0.708	0.742	0.638	0.679	0.687	1.055	0.692	0.737	1.062	0.704	0.744	0.759	0.687	0.700	1.078	0.689	0.743
CI coverage	88.4%	92.4%	94.4%	95.1%	93%	95.6%	89.4%	92.5%	95%	88.9%	92.4%	94.5%	94.1%	93%	94.3%	89.6%	92.6%	94.9%
CI width	3.192	2.951	3.263	3.131	2.949	3.216	3.252	2.909	3.267	3.226	2.956	3.263	3.208	2.953	3.198	3.298	2.912	3.274
n=2e+03																		
Bias	-0.568	0.039	0.042	0.025	0.080	0.075	-0.545	0.059	0.072	-0.570	0.035	0.046	0.142	0.054	0.073	-0.546	0.048	0.070
$^{\mathrm{SD}}$	0.564	0.573	0.574	0.554	0.570	0.566	0.579	0.569	0.578	0.566	0.572	0.578	0.624	0.569	0.570	0.583	0.567	0.581
MSE	0.641	0.329	0.331	0.308	0.330	0.325	0.632	0.327	0.339	0.644	0.328	0.336	0.409	0.327	0.330	0.637	0.323	0.343
CI coverage	85.9%	92.9%	94.6%	94.6%	93.3%	94.5%	87.1%	92.4%	93.6%	86.1%	92.9%	94.7%	92%	93.1%	94%	87.2%	92.7%	94.1%
CI width	2.268	2.117	2.280	2.185	2.099	2.224	2.324	2.089	2.284	2.285	2.123	2.288	2.241	2.107	2.232	2.346	2.094	2.293