







## ONLINE SUPPLEMENTARY MATERIAL

## Partial Adjustment for Treatment Switching to Represent Expected Switching in Clinical Practice

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## Table 1: Approaches to Partial Treatment Switching Adjustment

	IPCW	TSE					
	Randomly select (x-y)% of switchers to be assigned NSS						
	•						
	<ul> <li>Those assigned as NSS are censored at time of disease progression. Actual non-switchers (1-x)% and assigned switchers (y%) remain uncensored.</li> <li>IPCW weights are calculated using binary logistic models where the dependent variable is set to 1 for NSS and set to 0 for actual non-switchers.</li> <li>Weights are applied such that the actual non-switchers represent themselves and those assigned as NSS, in a marginal structural model (MSM).</li> </ul>	<ul> <li>Estimate the post-progression survival (PPS) time ratio for switchers vs non-switchers.</li> <li>adjust survival times for NSS based on the estimated time ratio.</li> <li>use counterfactual data to estimate partially adjusted outcomes.</li> </ul>					
	<ul> <li>Repeat steps above 100 times. Re</li> <li>Calculate the mean of the estimated H</li> </ul>	cord the results for each run of the model. IRs/RMST over the repeated runs of the model.					
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	Scenarios									
	1	2	3	4	5	6	7	8		
Proportion of switchers	60	50	60	40	50	60	40	50		
in RCT (%)										
Proportion of switchers	20	30	20	20	30	20	20	30		
in CP (%)										
Underlying treatment	0.7	0.7	0.5	0.5	0.5	0.7	0.7	0.7		
effect (HR)										
Treatment effect of	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5		
switched to treatment										
vs no switch (HR)										
Sample size (n)	500	500	500	500	500	500	500	500		