Addressing Treatment Switching Bias with G-methods: Exploring the Impact of Model Specification

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Electronic Supplementary Material 1

Data Dictionary

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Data Dictionary

Participant Identifier	Variable Name	Variable Type	Coding
Participant ID	id	Numerical	Unique numerical number

Time	Variable Name	Variable Type	Coding
Follow-up time	time	Discrete, numerical	Follow-up time (months since baseline)
Progression time	progtime	Continuous	Time at progression (months since baseline)

Baseline Covariates	Variable Name	Variable Type	Coding
Age	AGE	Continuous	Years
Sex	SEX	Binary	0: Male 1: Female
Race	RACEGR1	Binary	0: Non-asian 1: Asian
Eastern Cooperative Oncology Group score (ECOG)	ECOGGR1	Binary	0: 0 1: 1,2,3,4 or 5
Smoking history	SMKHISGR1	Binary	0: Never 1: Ever
Measurable intracranial central nervous system (CNS) disease	MICNSFL	Binary	0: No measurable intracranial disease 1: Measurable intracranial disease
Prior radiation therapy	PRRADYN	Binary	0: No prior radiation therapy 1: Prior radiation therapy
Strata at randomization (baseline brain metastases and previous chemotherapy)	STRATRAN	Categorical	0: No iCNS metastasis/No prior chemo 1: iCNS metastasis/No prior chemo 2: No iCNS metastasis/Prior chemo 3: iCNS metastasis/Prior chemo
Initial cancer diagnosis stage	DIAGINITGR3	Categorical	0: IV 1: IIIB 2: IIIA 3: IIA,IB or IA
Lung involvement at study entry	LIASE	Categorical	0: Both 1: Right 2: Left 3: Lung not involved

Time-Varying Covariates	Variable Name	Variable Type	Coding
Disease progression	progtd	Binary	0: No progression 1: Progression
Intracranial disease progression	icprogtd	Binary	0: No intracranial progression 1: Intracranial progression
ECOG	ecogtdGR1	Binary	0: 0 1: 1,2,3,4 and 5
	ecogtdGR2	Categorical	0: 0 1: 1 2: 2,3,4 or 5
Target-lesion size	tltd_wins	Continuous	mm
Switching status	xotd	Binary	0: No switching 1: switching

Treatment	Variable Name	Variable Type	Coding
Treatment randomized	plannedtrt	Binary	0: Crizotinib 1: Brigatinib
Treatment received	trttd	Binary	0: Crizotinib 1: Brigatinib

Outcome	Variable Name	Variable Type	Coding
Death	deathtd	Binary	0: Alive 1: Died

Lost to follow-up	Variable Name	Variable Type	Coding
Censoring due to loss to follow-up / administrative censoring	censoringtd_new	Binary	0: No censoring 1: Censoring