

Online Resource 1

Article title: Predictors for earlier return to work of cancer patients

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Additional results on preliminary analyses

Missing data

The amount of missing data of the independent variables on the three assessments (baseline, six months (T1), 12 months (T2)) is presented in Table 4.

Table 1. Missing information of covariates

	fraction missing data at baseline	fraction missing data at T1	fraction missing data at T2
Work ability	0.03	0.13	0.24
Job self-efficacy	0.07	0.16	0.25
Value of work	0.01	0.13	0.24
Fatigue	0.06	0.15	0.24

Potential confounders

Both prognostic factors and timing variables were studied separately for confounding effects on partial and full return to work. To limit the number of 'events per factor', the most significant predictor (as indicated by the lowest *p*-value) in each confounder category was used to adjust the analyses: one prognostic factor was included as covariate and one timing variable was used for stratification. All results are presented in Table 5.

Figure 3 shows the stratified survival plots of the selected confounding factors.

Table 2. Predictive value of prognostic factors and timing

	Partial RTW		Full RTW	
	<i>HR (/log-rank test)</i>	<i>p</i> -value	<i>HR</i>	<i>p</i> -value
Prognostic factors				
age (years)	1.035	.067 ^b	1.034	.109
- age < 45 ^a	0.659	.166	0.831	.571
Education (3 cat)	(CHI ² =1.401)	.496	(CHI ² =7.247)	.027
- education low (2 cat)	1.167	.653	2.316	.018
NO physically demanding job	1.122	.634	0.732	.248
NOT 'sole breadwinner'	0.523	.008	0.979	.938
Timing, days since				
diagnosis (days)	1.003	.436	0.997	.327

- days < 76 (median)	($CHI^2 = 0.471$)	.493	($CHI^2 = 0.350$)	.554
- days < 100	($CHI^2 = 0.076$)	.782	($CHI^2 = 2.045$)	.153
- days < 100	.925	.783	1.618	.157
first day of sick leave (days)	1.004	.075	0.997	.222
- days < 90	($CHI^2 = 0.833$)	.361	($CHI^2 = 3.650$)	.056 ^b
- days < 90	0.793	.363	1.793	.060 ^b
first chemotherapy (days)	1.011	.038	1.006	.299
- days < 0	($CHI^2 = 1.970$)	.160	($CHI^2 = 0.117$)	.733
- days < 14	($CHI^2 = 2.742$)	.098	($CHI^2 = 1.268$)	.260
- days < 0	1.474	.152	1.110	.733

Note: RTW is return to work. The 'most significant' prediction of all potential confounders in each cell is in *italics*. These analyses were performed on the original dataset, so cases were excluded in case of missing data.^a Split in accordance with Roelens et al.^b Does not satisfy proportional hazard assumption.

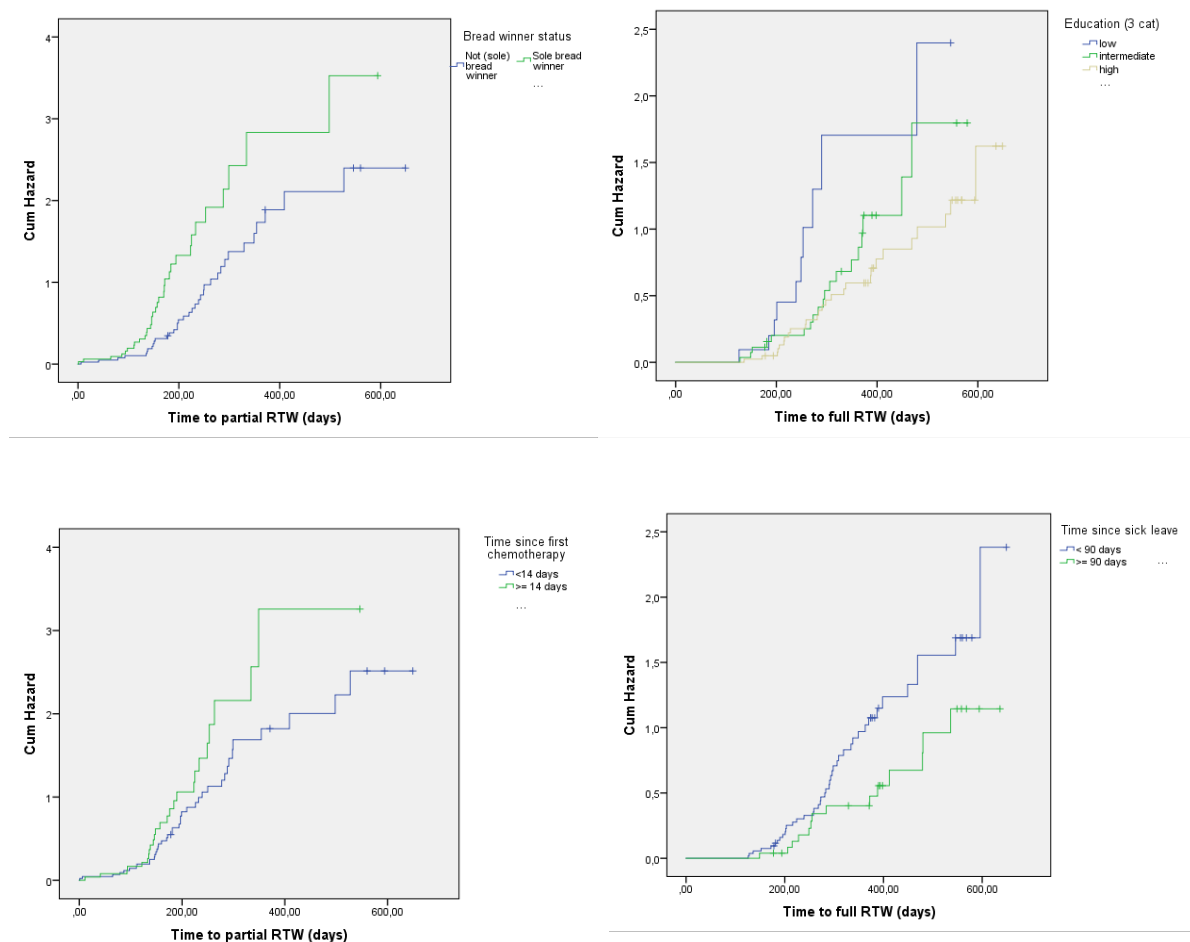


Figure 1. Hazard functions of confounding factors. Partial return to work (RTW) was adjusted for breadwinner status and time since first chemotherapy. Full RTW was adjusted for educational level and time since first sick leave. Stratified cumulative hazard plots for education represent three categories, however a dummy representing low vs. intermediate AND high education was used to adjust analyses of full RTW.