



HAL
open science

Impact of breast cancer care pathways and related symptoms on the return-to-work process

Mélanie Bertin, A L Rolland, Bertrand Porro, Yves Roquelaure, Sofiane Kab, C Ribet

► To cite this version:

Mélanie Bertin, A L Rolland, Bertrand Porro, Yves Roquelaure, Sofiane Kab, et al.. Impact of breast cancer care pathways and related symptoms on the return-to-work process. *European Journal of Public Health*, 2023, 33 (Supplement_2), pp.ckad160.985. 10.1093/eurpub/ckad160.985 . hal-04286246

HAL Id: hal-04286246

<https://hal.science/hal-04286246>

Submitted on 15 Nov 2023

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

- The relation between care pathways and return-to-work process and job retention in cancer survivors should be further investigated.

Abstract citation ID: ckad160.985
Impact of breast cancer care pathways and related symptoms on the return-to-work process

Mélanie Bertin

M Bertin^{1,2}, AL Rolland^{2,3}, B Porro^{2,4}, Y Roquelaure², S Kab⁵, C Ribet⁵

¹RSMS - Inserm UMR 1309, University Rennes, EHESP, CNRS, Inserm, Arènes - UMR 6051, Rennes, France

²Irset - Inserm UMR_S 1085, University Angers, University Rennes, CHU Angers, Inserm, EHESP, Irset, Angers, France

³Département d'Information Médicale, CHU Saint-Brieuc, Saint-Brieuc, France

⁴Department of Human and Social Sciences, Institut de Cancérologie de l'Ouest, Angers, France

⁵Unité Cohortes en Population, UVSQ, IUMS 011, Université de Paris, Inserm, Université Paris Saclay, Paris, France

Contact: melanie.bertin@ehesp.fr

Background:

Breast cancer (BC) treatments and related symptoms may affect return to work (RTW). The objective of this study was to investigate the impact of BC care pathways (timing and sequence of treatments) and related symptoms on RTW.

Methods:

The study population included working-age women with BC who were enrolled in the French CONSTANCES cohort from 2012 to 2018. BC treatments, antidepressants/anxiolytic and analgesic drug deliveries (used as proxies of depression and pain, respectively) and statutory sick pay (used to estimate RTW and time to RTW) were assessed monthly using data from the French national healthcare system database. BC care pathways were identified with the sequence analysis method. Cox models with time-dependent covariates were used to investigate the impact of BC care pathways and related symptoms on RTW and time to RTW, after adjusting for age and socioeconomic characteristics.

Results:

73.2% (231/303) of women returned to work within 2 years after BC diagnosis. Five BC care pathway patterns were identified: (i) BC surgery only, (ii) BC surgery and radiotherapy, (iii) BC surgery and chemotherapy, (iv) BC surgery and chemotherapy and radiotherapy, and (v) BC surgery and long-term alternative chemotherapy/radiotherapy. The hazards ratios of non-RTW were significantly higher for women who received BC surgery and long-term alternative chemotherapy/radiotherapy and for >55-year-old women. Time to RTW was significantly longer in women who received chemotherapy (patterns iii to v) and in women with antidepressant/anxiolytic and analgesic drug deliveries.

Conclusions:

This study highlights the value of considering the dynamic, cumulative, and temporal features of BC care pathways and related symptoms to facilitate the RTW of women with BC >

Key messages:

- This study emphasizes the necessity to consider the holistic and temporal aspect of care pathways.