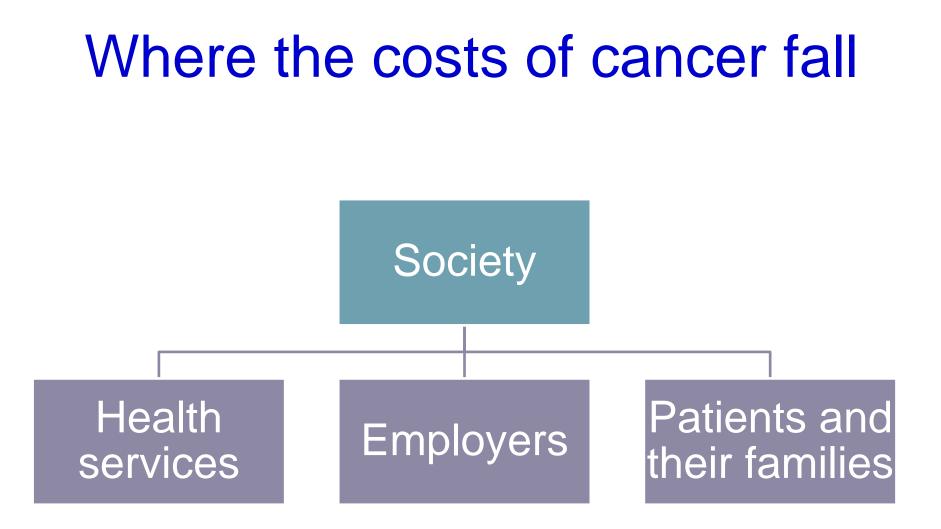
Economics of cancer from the patient (and family) perspective

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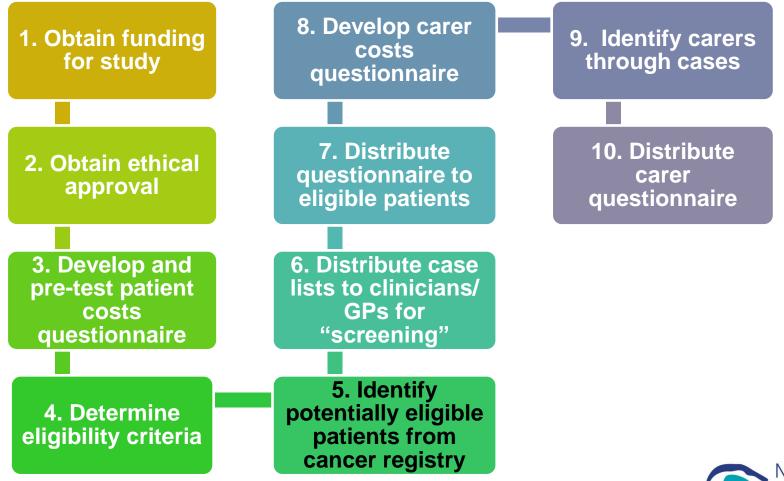


NCRI studies of the economic and financial impact of cancer on patients and families

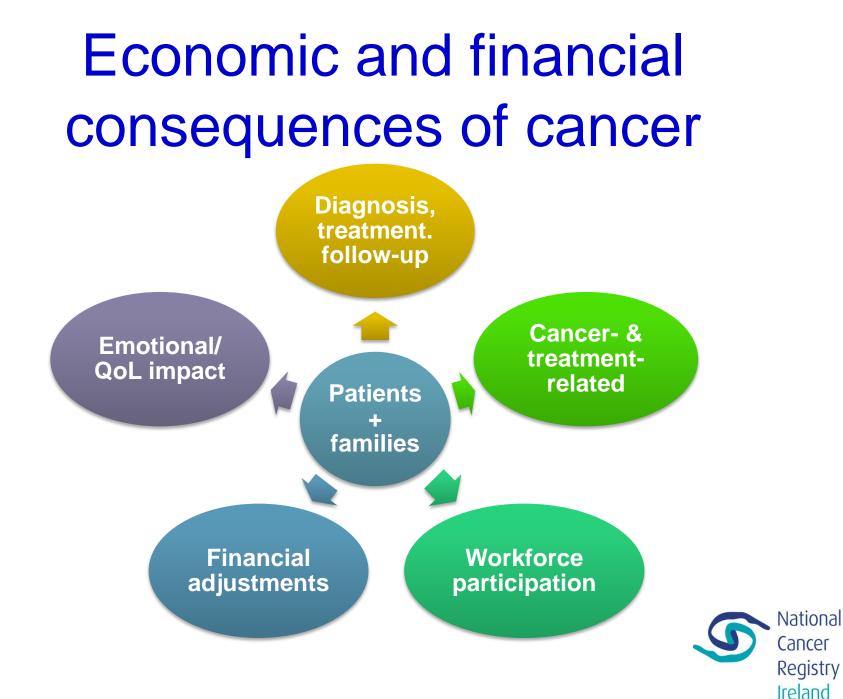
	Cancer (s)	Methods
1	Breast, prostate, lung	 In-depth interviews with key informants (Oncology Social Workers) In-depth interviews with patients Cross-sectional postal survey of patients (3-24 months post diagnosis; n=754 participated (54%))
2	Colorectal	 Focus group with key informants (bowel cancer support group) In-depth interviews with patients (+/- main carer) Cross-sectional postal survey of patients (6-30 months post- diagnosis; n=495 participated (39%)) Cross-sectional postal survey of carers (n=154 participated (68%))



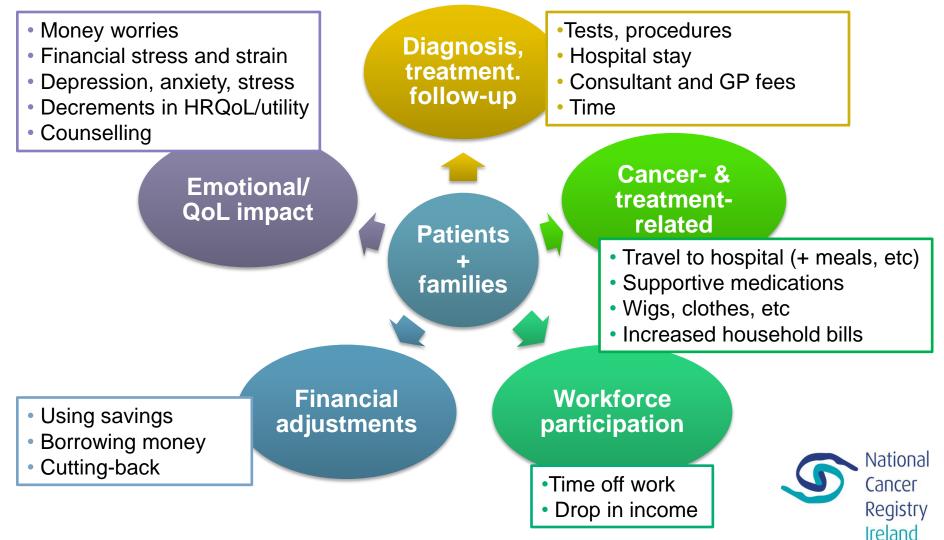
Economic and financial outcomes of cancer: study flow







Economic and financial consequences of cancer



Results: Initial treatment-related time & travel costs (colorectal cancer)

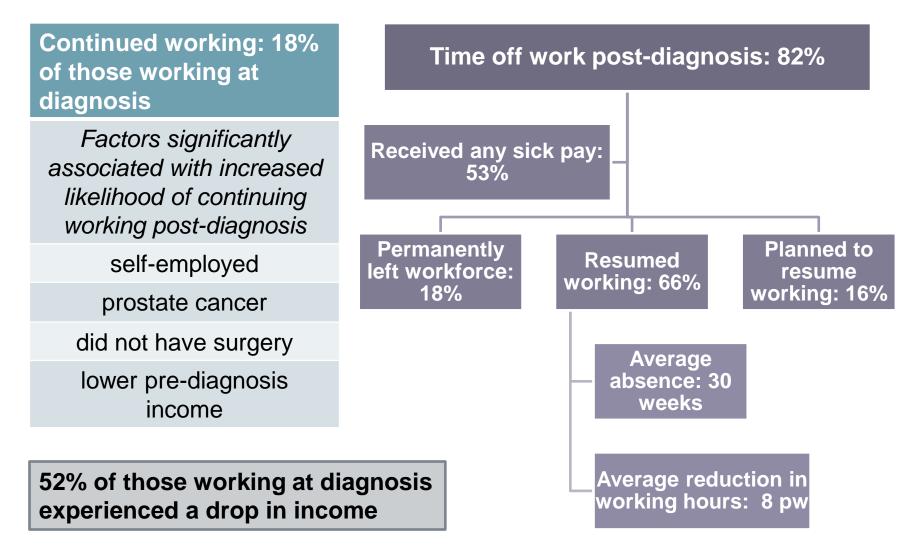
		Mean cost incurred (€2008)		
Overall		€11,055		
By site	Colon	€10,561		
	Rectum	€11,860		
By treatment type	Surgery	€7,104		
	Chemotherapy	€3,629		
	Radiotherapy	€5,301		
By stage	I	€6,719		
	II	€8,257		
	III	€11,677		
	IV	€10,380		

Results: Out-of-pocket expenses (breast, prostate and lung cancer)

	% of respondents who paid for	median amount (€2007-2008)
counselling	6%	€360
physiotherapy	9%	€320
other therapies (e.g. occupational)	2%	€400
complementary therapies	15%	€300
prescription medications	29%	€300
over-the-counter medications	39%	€100
dietary supplements	13%	€200
wigs/hairpieces	40%*	€400
lymph drainage	5%*	€140
travel/parking (for hospital appts)	79%	€425
increased household bills	59%	_#

* of women with breast cancer; # amount not assessed

Results: Workforce participation after cancer diagnosis (breast and prostate)



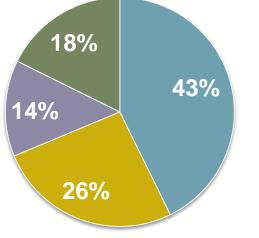
Results: Health-related QoL (colorectal cancer)

Mean EQ5D utility score by patient characteristics, with p values from anova tests

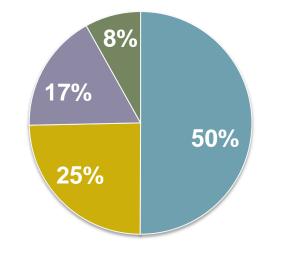
Factor		Mean score	p value
Sex	Male Female	0.81 0.82	0.651
Site	Colon Rectum	0.83 0.76	<0.001
Time since diagnosis	6-12 months 12-23 months 24-30 months	0.80 0.81 0.85	0.374
Stage at diagnosis	l/ll III/IV unknown	0.82 0.81 0.79	0.511
Stoma	Yes No	0.73 0.84	<0.001

Results: Costs of informal care (colorectal cancer)

Diagnosis and initial treatment:			Extra activities: mean carer time		
mean carer costs (€2008)			costs in first 3 months post-diagnosis (€2008)		
Overall	€5,227	range €0-€19,169	Overall	€7,339	range €0-€24,179



- travel time
- waiting time
- travel costs
- OOP costs



household

- daily living
- instrumental activities
- cancerspecific

Conclusion

- Cancer imposes a significant financial and economic burden on patients and their families.
- By providing a sampling frame, cancer registries can facilitate the conduct of population-based studies of the economic and financial impact of cancer on patients and their families.
- The data collected in these studies can also contribute to the estimation of cancer costs from other perspectives (e.g. health services, employers, society).



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Collaborators

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