

# Costs of family caregiving in palliative care

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## Work to date

- Systematic review exploring financial impact of caring for family members receiving palliative and end of life care
  - Limited evidence base
  - Financial costs are substantial
  - Results in multi-dimensional caregiver burden

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## Areas of cost

Work related costs

Carer time costs

Out of pocket costs











## Impact of costs

- Major life changes
- Worry, conflict, relationship, carer strain
- Work related stress









## What mediates financial burden?

- Disease stage
- Intensity of caregiving
- Ethnicity
- Socio-economic status
- Carer age







## Methods work

- Most previous research has used structured questionnaires
- No single tool available for measuring costs
- Most research based on recall and/or objective measures of cost
- Prospective, retrospective, longitudinal







### Methods work

- No overwhelming consensus on preferred methods, although on-line favoured by majority.
- Some sensitivities around discussing finances
- When does financial burden begin?

Methodological considerations for researching the financial costs of family caregiving within a palliative care context

Clare Gardiner, 1 Ruth Allen, 2 Tess Moeke-Maxwell, 3 Jackie Robinson, 3,4 Merryn Gott 3

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### Methods work

- Development of the COFAC questionnaire
- Work related costs; carer time costs; out of pocket costs: own health
- Versions for patients and carers

#### **Costs of Family Caregiving** in Palliative Care (COFAC) questionnaire: development and piloting of a new survey tool

Clare Gardiner, 1 Chris McDermott, 2,3 Claire Hulme4

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Background Family caregivers play an important care, yet little is known about the financial impact of family caregiving in this context. A lack of existing validated tools for collecting data on the costs of family caregiving in palliative care has resulted in a weak and limited evidence hase. The aim of the study was to describe the development and initial piloting of a new survey tool which captures data on the costs of family caregiving in palliative care: the Costs of Family Caregiving (COFAC) guestion naire. Methods Development and piloting of the

questionnaire development based on published evidence and cognitive interviews with service users; and (2) validity testing involving expert review and piloting with bereaved caregivers Results Ouestionnaire content was generated from previously published research and related to work-related costs, carer time costs and out-ofpocket expenses. 2 group cognitive interviews with 15 service users refined content of the draft questionnaire. Face validity was established through expert review with 9 academics and clinicians. Filoting with 8 bereaved caregivers established acceptability and feasibility of

Conclusions The COFAC tool has been shown to be valid, acceptable to bereaved caregivers and feasible to administer. The COFAC questionnaire is recommended for economic research in palliative care which seeks to capture data from a broad societal perspective which includes family caregiver costs.

#### McDermott C, Hulme C, BMI upportive & Palliative Care Published Online First: [pleas include Day Month Year]

Family caregivers play an important role graphic shifts, policy directives and a consideration of the considerable costs

focus on home as the preferred place of death have resulted in an increasing proportion of palliative care provision shifting from inpatient facilities to community and family caregivers.1 2 The expertise offered by family carers and wider comwidely acknowledged; munities however, little is known about the financial impact of family caregiving specific ally within a palliative care context. The financial costs of caregiving are known to be substantial; a recent UK report estimated that the economic value of the contribution made by carers is now £132 on the costs of family caregiving at the end of life identified a limited evidence base but suggested that costs could be significant. These costs comprised direct financial costs as well as assumed or indirect costs incurred through lost employment, caregiver time investment and lost opportunities for leisure.4 A review of financial stress and strain in terminal cancer found that financial stress was a common consequence of terminal cancer and featured in the top three concerns of patients.5 The effects of financial burden are notable and have been found to include increased worry, difficulties coping, family conflict, caregiver strain and an inability to function 'normally'.

Despite this mounting evidence base, research on the economic impact of family caregiving in palliative care remains limited. A recent study from Canada noted the narrow viewpoint that the majority of economic analyses in palliative care have taken, highlighting that in the care of patients approaching the end of life. Factors including demo-

BMI

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oi:10.1136/bm/spcare-2016-

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#### Costs of Family Caregiving (COFAC) Questionnaire:

A questionnaire to explore the financial and emotional costs of caregiving in palliative care

Carer Questionnaire (to be completed by caregivers with a researcher to assist): Baseline Interview

'Carers may or may not be family members, they are lay people in a close supportive role who share in the illness experience of the patient and undertake vital care work and emotional management'

Participant ID:	
Date of completion:	

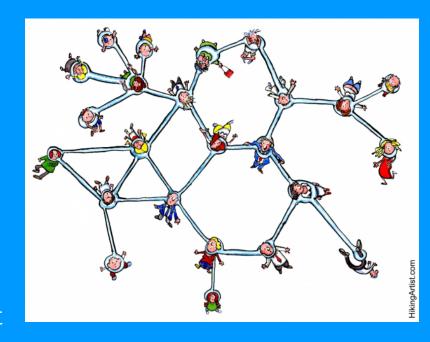
© The University of Sheffield 2017 Section 3: Caregiver Time costs 19.Do you live with [patient]? Yes No If no, how much did you spend over the last month on travel to visit [patient]? Cost of Public Transport Cost of taxis £ Cost of parking Miles travelled in your own car Miles: 20. Over the last month, how many hours of care have you provided each week for [patient]? Type of caregiving Hours per week, over the last month Personal care (washing, feeding, moving etc) Making appointments and taking to/from appointments Household tasks (washing, cleaning, shopping etc) Managing finances or other paperwork Collecting prescriptions Spending time together/with family Other

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# Costs related to a palliative care approach

- Four broad domains:
  - hospital care,
  - community or home-based care
  - hospice care
  - informal care
- Three economic viewpoints:
  - Government
  - Insurers/third-party/not-for-profit
  - Patient and family and/or society





Gardiner et al.

Table 4. Framework outlining perspectives of economic evaluations in palliative care and components of their related costs.

Perspective			Types of cost	Components of cost	References
Perspe	ective		Types of cost Hospital	Inpatient hospital admissions/bed days Personnel costs Medical supplies, equipment and aids, etc. Inpatient procedures (surgery, chemo, etc.) Investigations, laboratory and diagnostic costs Drugs and medications Outpatient hospital admissions ER visits Ambulatory costs and transport Hospital day care Outpatient procedures (chemotherapy, etc.) Chinese and herbal medicines Overhead costs (building costs and capital	References  8, 11–21, 23–26, 28–34, 40, 42–47 13, 14, 40, 46 8, 13, 14, 29 13, 14, 17, 29 8, 13–15, 17, 29, 43 8, 12–15, 40, 46 8, 12, 13, 15–17, 21, 29, 30, 32–35, 38, 48 8, 12–14, 16, 21, 23, 30, 32, 43, 46, 47 8, 13, 14, 18–20, 43, 44 12–14, 17 12–14, 43 15 40
			Community/ home-based	depreciation) Palliative care unit admission Palliative care outpatient clinics GP/family physician surgery visits Medical and nursing home visits (GP, DN, etc.)	38, 46, 49 24, 38, 49 8, 13, 14, 17, 21, 23–26, 31, 34, 39–41
		ations		Allied health home visits (physio, OT, mental health) Other home visits (social services, home care, other carers) Drugs and medications Medical equipment, aids and adaptations	8, 13, 14, 17, 21, 24, 26, 29, 30, 38, 40 8, 13, 14, 26, 29, 30, 38 8, 11, 13, 14, 17, 26, 29, 30, 31, 33, 45 8, 13, 14, 18–21, 24, 29, 31, 34, 40, 44 8, 11, 13, 14, 18–20, 45
	S	Third-party/private sector/not-for-profit organisations		Day care services Stays in long-term care facilities, care homes, nursing homes, skilled nursing facilities Transportation Diagnostic tests, laboratory costs	12-14 8, 11, 18, 21, 28, 29, 32, 34, 44-46 13, 14, 18-20, 40 8, 13, 14, 31 13, 14, 26, 31
/or sodetal	health service	ctor/not-for-		Personal support (bathing, feeding, dressing, home help) Other social services (meals on wheels, etc.) Nutritional counselling Dental services	11, 26 31 29 40
Patient and family and/or societal	state/publicly funded health services	rty¢rivate se		Communication costs Residential respite care and rehabilitation Overhead costs Direct payments made to users so they can 'buy' their own services	11, 46 40 11
Patient a	State/p ut	Third-pa	Hospice and specialist palliative care	Inpatient hospice stays/bed days Personnel costs Medical supplies	8, 13–16, 21, 29, 30, 32, 34, 45 13, 14 13, 14, 31
			,	Inpatient procedures Investigations, laboratory and diagnostic costs Drugger and medications	13, 14 13, 14 13, 14, 31
				Equipment and aids Outpatient appointments and divines Home hospice Home visits from specialist palliative care Start-up costs, e.g., for new community palliative care	13, 14, 31 13, 14, 16 12–14 13, 14, 21, 24 40
			Informal care	nursing service Home caregivers Household help Equipment, aids, home adaptations	8, \\\ 13, \\\ 13, \\\ 8, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 13, \\\ 14, \\\ 15, \\\
				Medications Insurance payments Travel and accommodation expenses Out-of-pocket expenses (parking, food/drink) Income lost from work	8, 13, 14 8, 13, 14, 9 8, 13, 14, 3-20, 29, 47 8, 13-15, 8-20
				Caregiver time costs Co-payments, e.g., shared with insurer/other	8, 13, 14 18–20, 47 33

ER: emergency room, CP: general practitioner; OT: occupational therapist.



# Costs of palliative care in the UK

- Costs ranged from £4237 £38 377 for last year of life
- Ten studies, only two included informal costs
- Both of these found informal care to represent a significant % of the total cost









# Availability of financial support



Gardiner C, Taylor B, Robinson J, Gott M. Comparison of financial support for family caregivers of people at the end of life across six countries: a descriptive study. Palliative Medicine (in press)





#### **Financial Support for Patient**

Some form of disability allowance available in all countries. Can be fast-tracked but applications complex.



#### **Bereavement/Funeral Support**

Some support available, but usually means tested.



#### **Financial Support for Carer**

Only in **Australia, Canada, UK, Ireland**. Canada only country to offer specific end of life benefit. Applications complex.

"There are numerous constraints and requirements for any of the benefits listed here"

## Support with employment related rights & support



#### **Protection of Employment Rights**

In **Ireland, Canada, UK and the USA** carers have employment protection, but conditions apply.



#### Pension/Tax Credits

Very variable, many schemes are potentially available but eligibility criteria are numerous and complex.



#### **Working Carers**

Supporting working carers to remain in the workforce has many benefits, yet currently support structures are not adequately configured to support this

### Support with out of pocket costs



#### **Home Adaptations**

Available in all countries, but conditions apply. Significant variation between and within countries e.g. in **Canada/UK** variations between province/region



#### **Energy/Utility Bills**

Very limited coverage. Grants do not usually cover full cost.



#### Grants

Available in all countries, aimed at those facing financial hardship. Often cancer focused.



#### **Travel Costs**

Most generous in countries with large rural/remote populations e.g. **New Zealand, Canada, Australia.** Does not always include carer.



#### **Food & Accommodation**

Similar to 'travel costs'. Mainly restricted to those living considerable distance from healthcare provider

## Support with costs of healthcare



#### Costs of Healthcare

'Safety nets' in countries without free healthcare, if deemed 'palliative'.



#### **Prescription & Medication Costs**

Usually free for those deemed 'palliative' or with very high usage.



#### **Carer Respite**

Generally very limited capacity, and variable by region.

"Respite home care is very limited and many carers miss out"



## Work I haven't done...

- Prospective study of costs of caring in the UK
- Carers tracked over 6 months, monthly assessments of costs using COFAC
- Qualitative arm to explore impact of costs





## What perspectives do I bring?

- Breadth of prior knowledge in area
- Interest derived from research into 'inequalities'
- Qualitative/mixed methods espertise





# What do I hope to achieve from the workshops?

- Ideas for bids
- Collaborative relationships
- Opportunity to develop internationals networks





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## Thank you

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