

Understanding patterns of health and social care at the end of life

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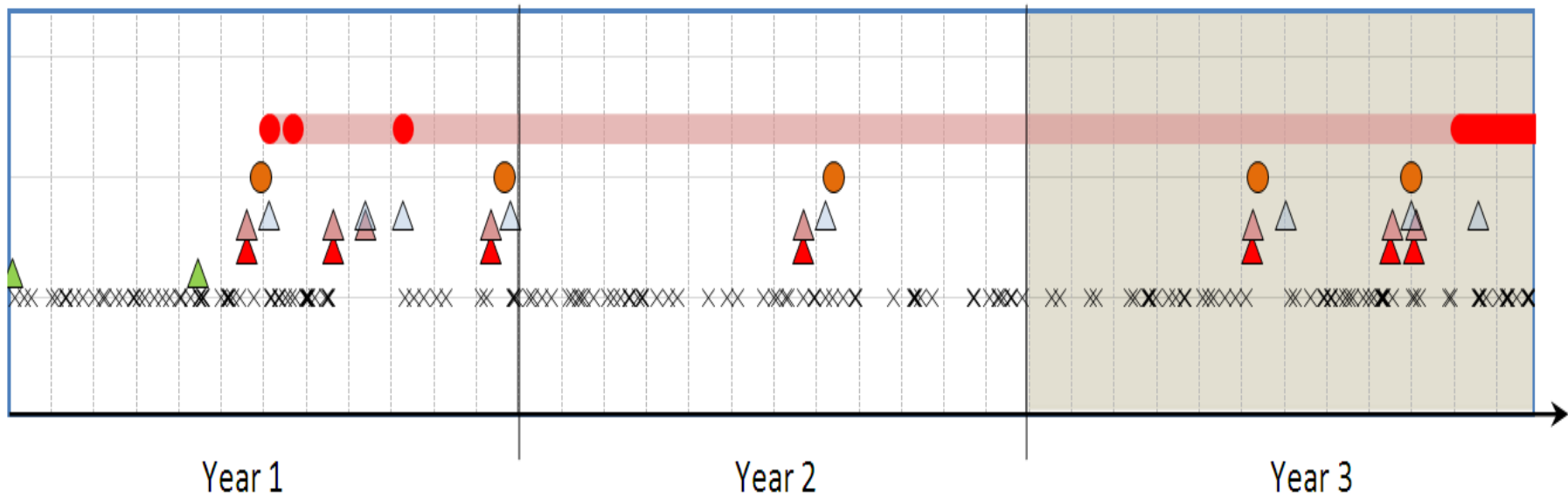
End of life care in England

Large gaps in knowledge around care services used at the end of life

Social care and health care costs are in the £billions, but full extent of costs unclear

Improving care at end of life care is national priority, but there is a *“stunning lack of good data surrounding costs for palliative care in England”*

Health and social care: Patient level histories



The study: Key questions to be addressed

Commissioned by National End of Life Intelligence Network

Questions:

How many people use SC services?

How **intensive** was the provision?

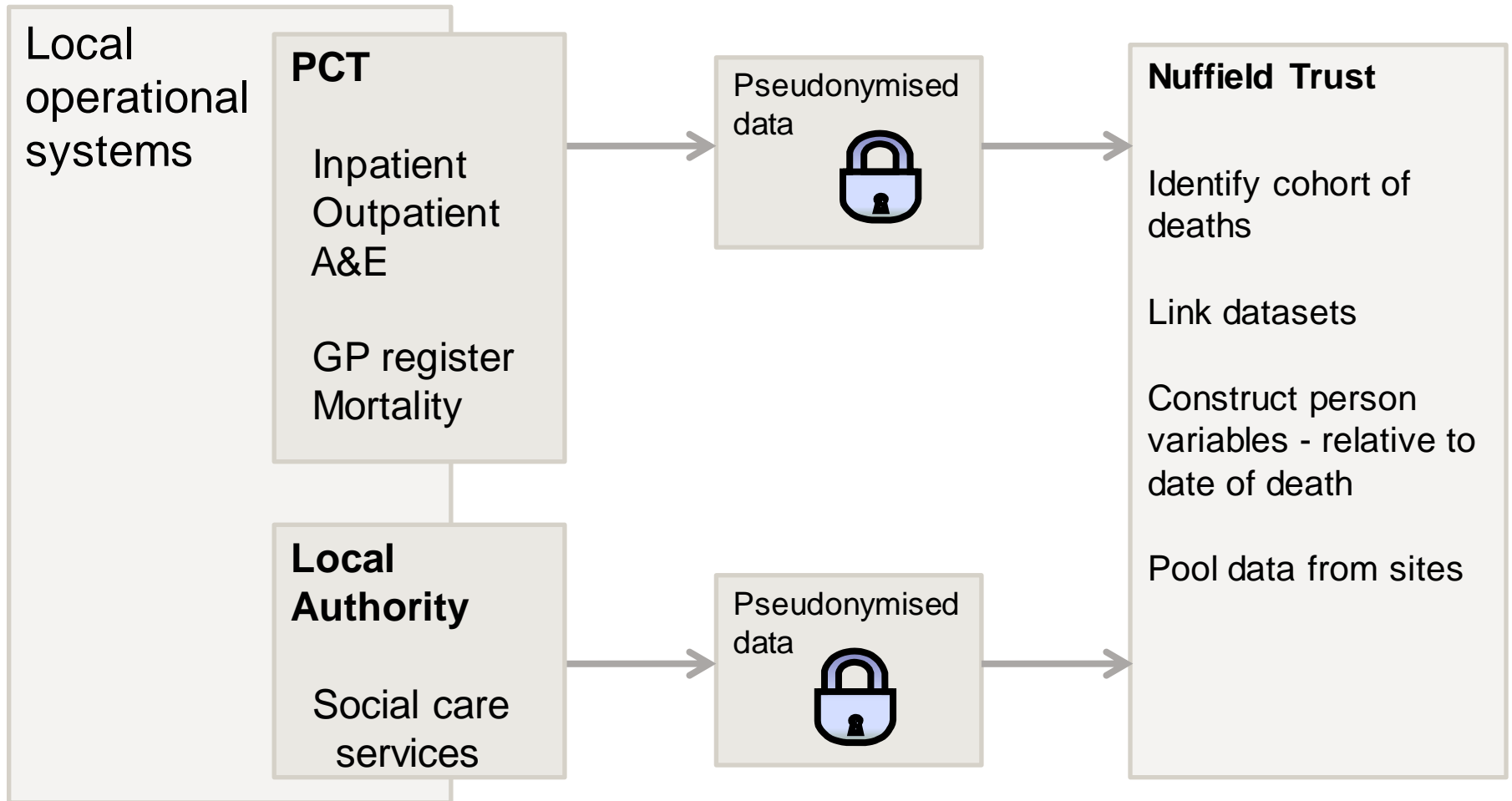
Differences between **areas**?

Who **most likely** to use SC? (age, sex, disease history etc)

What are the **costs** of SC?

How related to **hospital** use and costs?

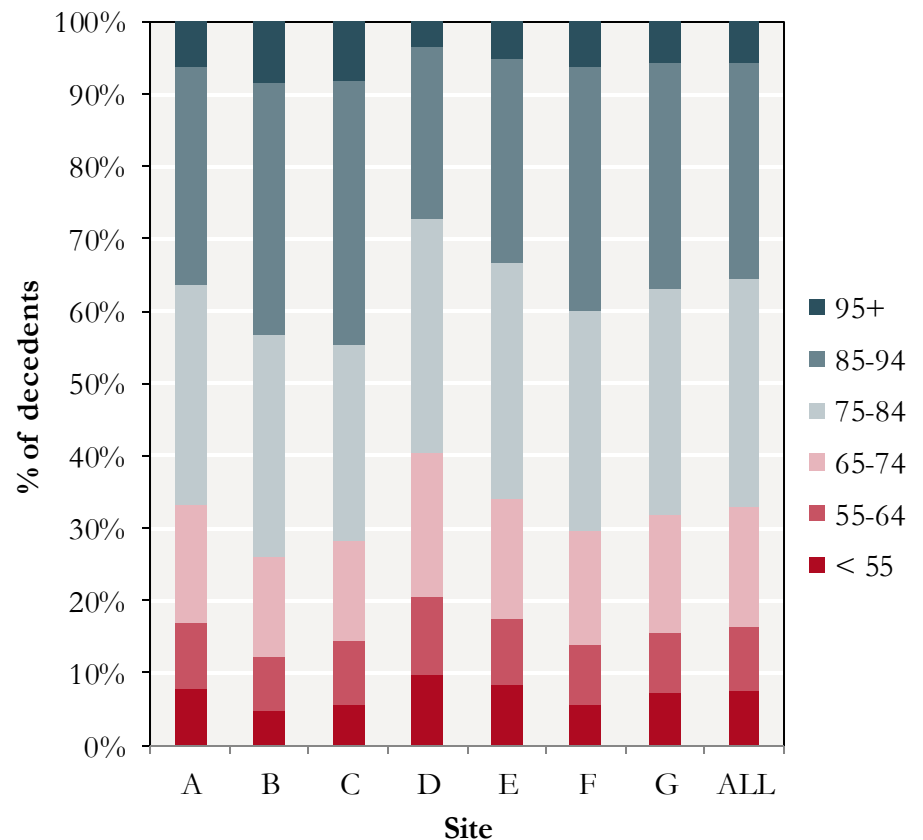
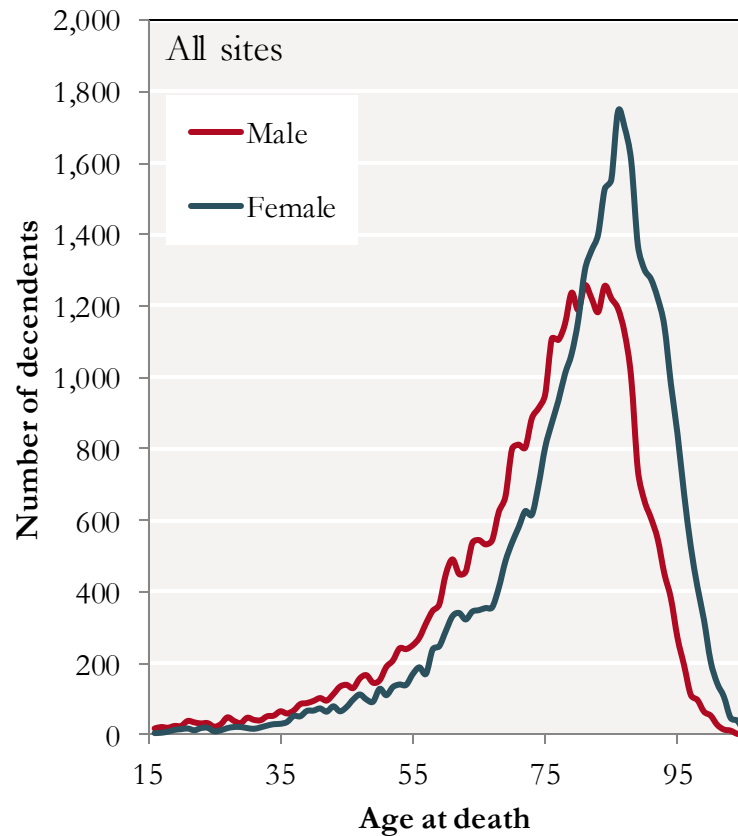
The study: Sources of data



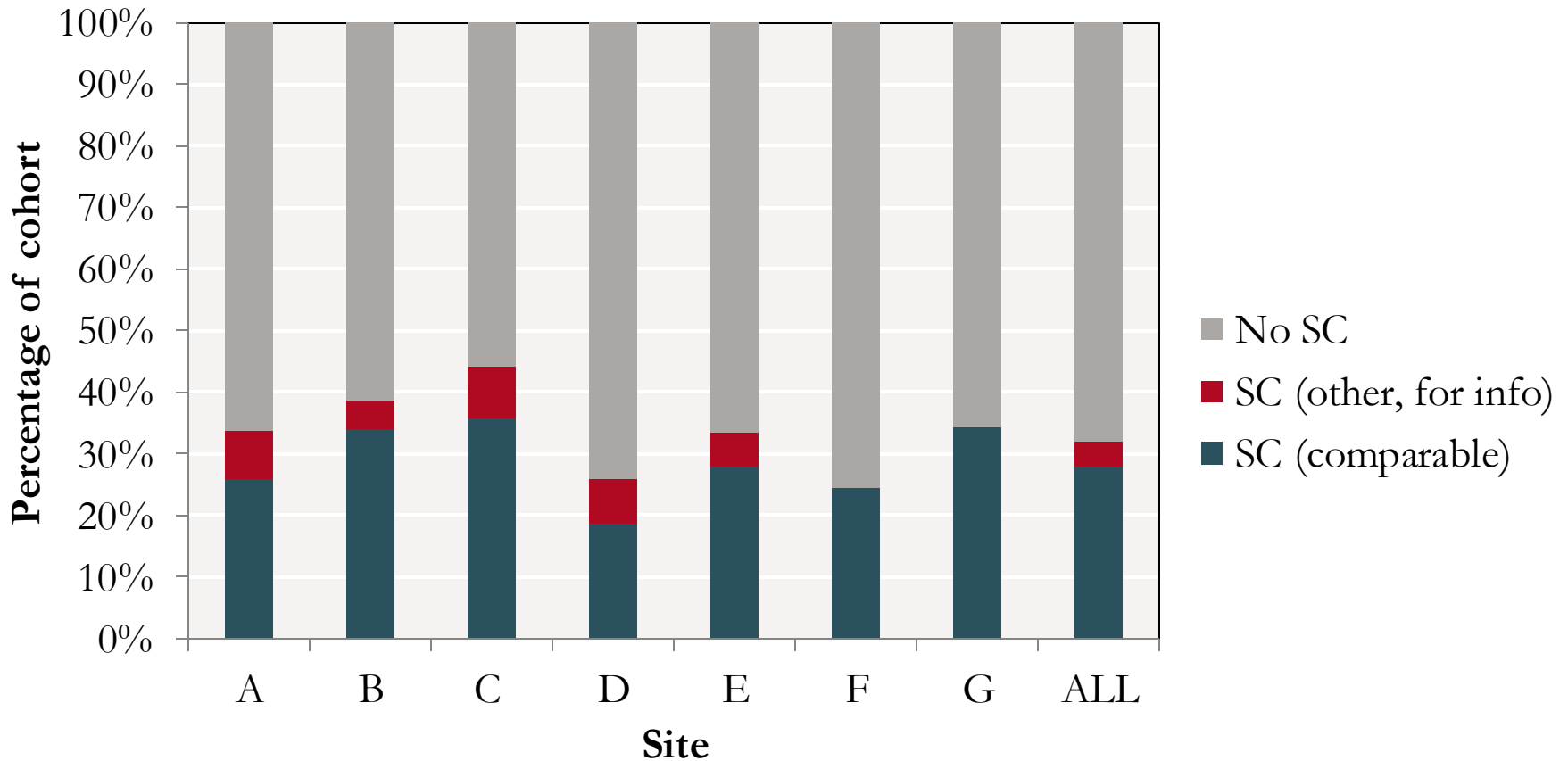
The cohort: Site summary

	Site							
	A	B	C	D	E	F	G	ALL
Deaths between dates (number of months)	Apr 2007 - Aug 2008 (17)	Jan 2007 - Mar 2008 (15)	Aug 2007 - Sept 2008 (14)	Apr 2007 - Mar 2010 (36)	Jan 2007 - Mar 2010 (39)	Apr 2007 - Mar 2010 (36)	Jun 2007 - Mar 2010 (34)	Jan 2007 - Mar 2010 (39)
Total deaths (proportion of all)	3,377 (4.6%)	9,769 (13.3%)	1,984 (2.7%)	13,588 (18.6%)	20,734 (28.3%)	10,117 (13.8%)	13,674 (18.7%)	73,243 (100%)
Age at death mean	77.5	80.0	79.6	74.9	76.7	78.9	77.8	77.4
Age at death mean females	80.6	82.5	82.7	77.9	79.6	81.3	80.5	80.2
Age at death mean males	74.1	77.1	75.9	71.8	73.5	76.1	75.0	74.4
% 85 years and over	36.3%	43.2%	44.6%	27.2%	33.4%	39.9%	36.9%	35.5%
% Male	47.4%	46.4%	45.7%	48.8%	48.3%	47.2%	46.7%	47.6%

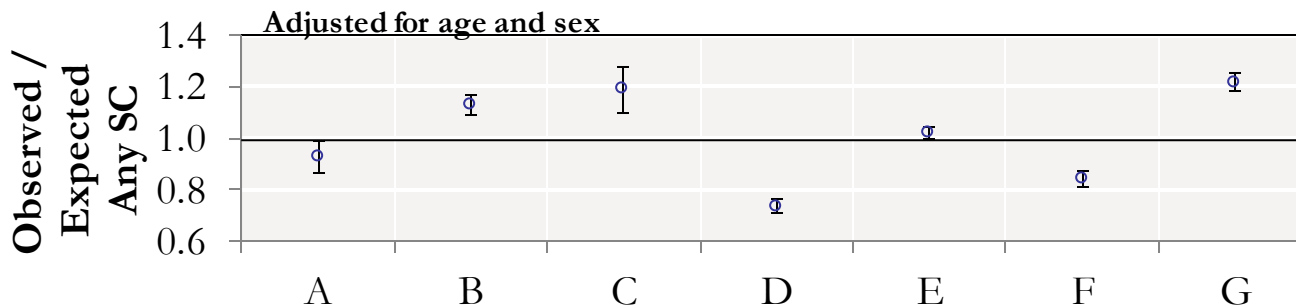
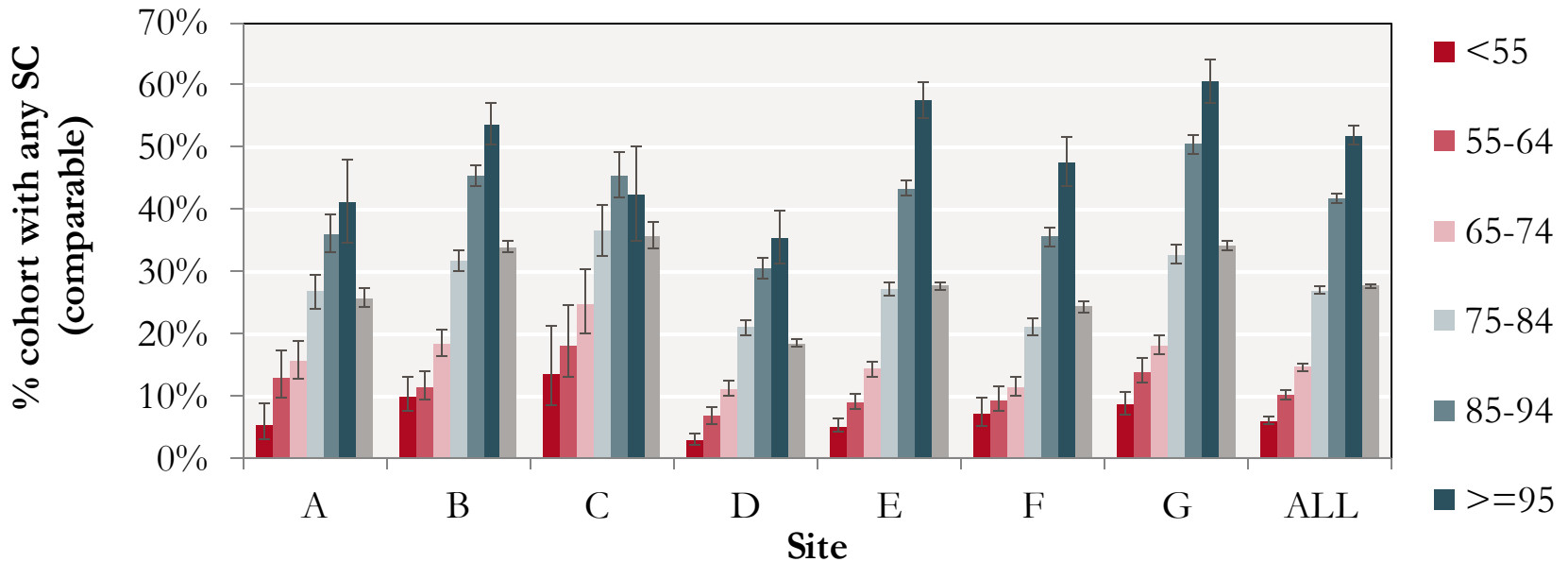
The cohort: Age and sex (N = 73,243)



Use of social care: How many use any social care in final year of life?



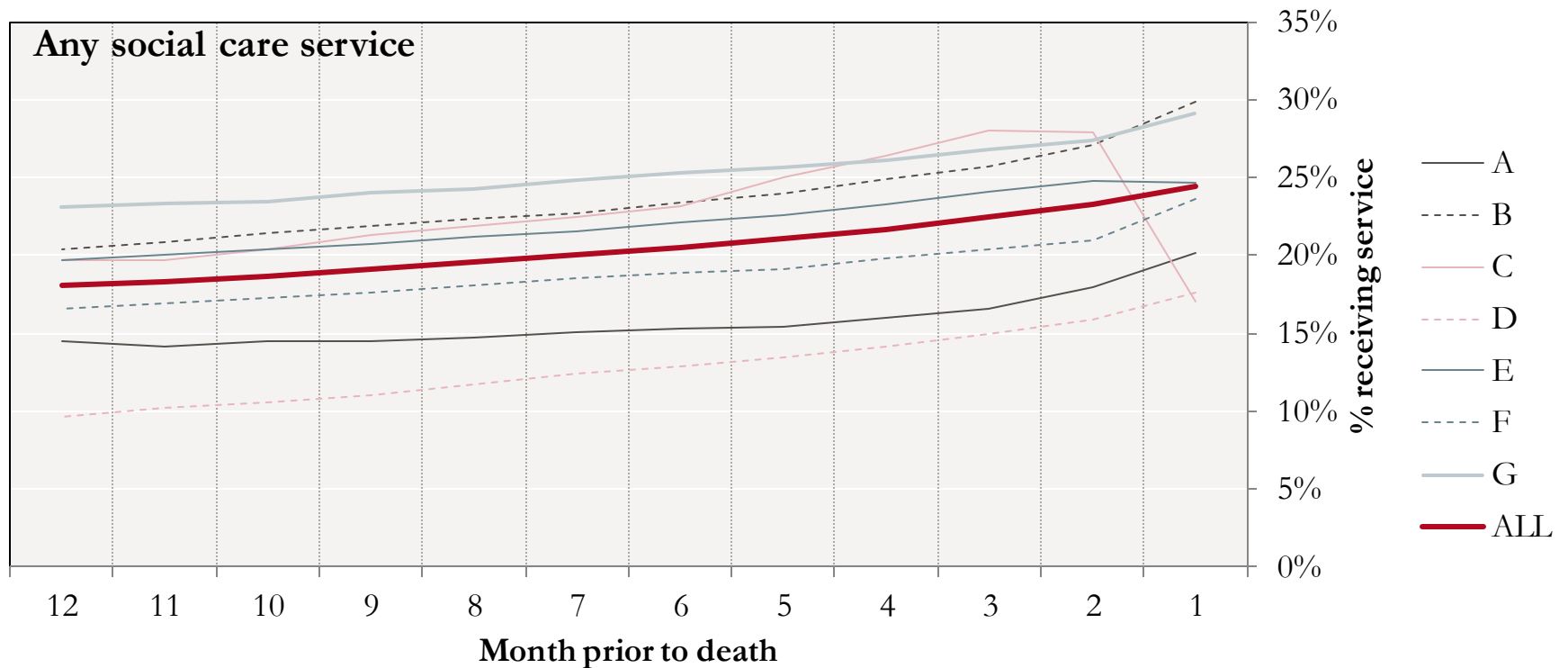
Use of social care: Social care users in final year of life



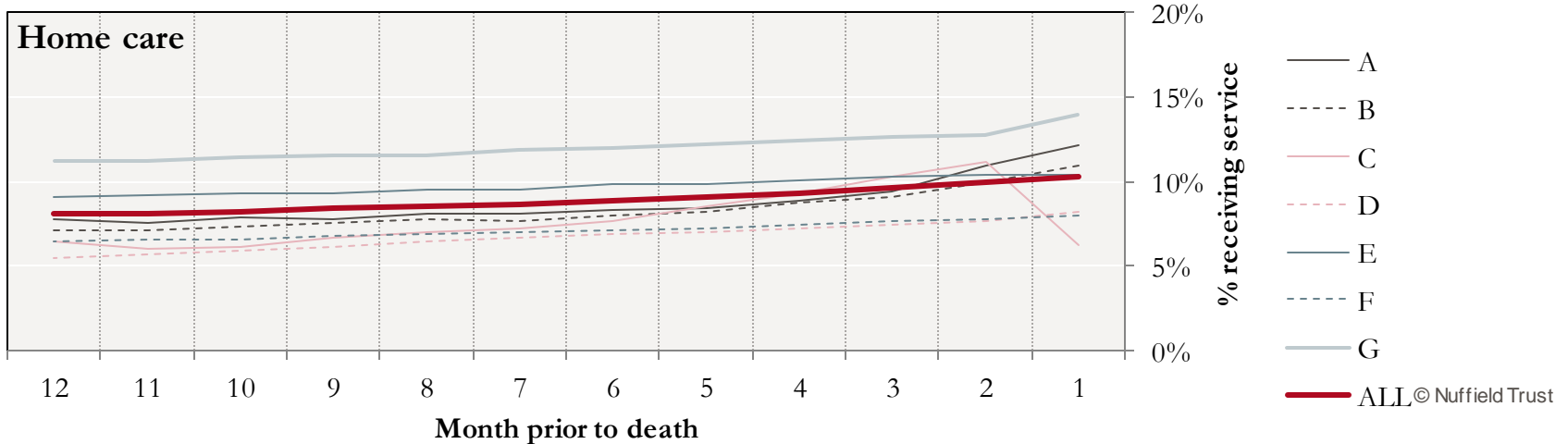
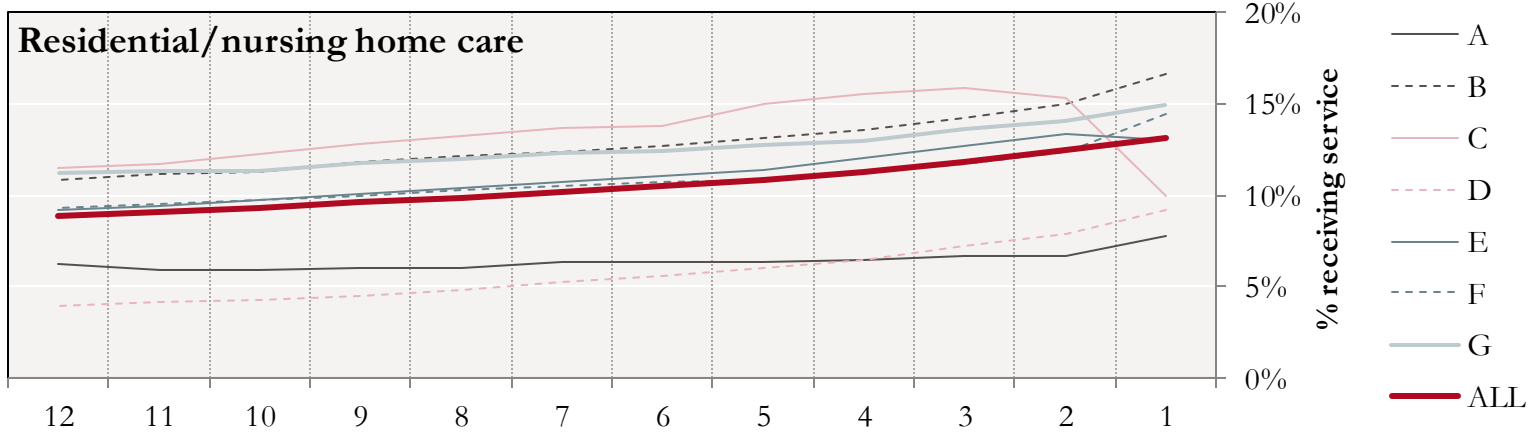
Use of social care: Social care users in final year of life, type of service

	ALL Sites	Low	High
N (total deaths)	73,243		
Any Social care			
Proportion receiving SC – any	27.8%	18.6%	34.2%
Home care			
Proportion receiving care	15.0%	11.2%	20.4%
No days per user	188.4	124.6	218.9
Care home: nursing <i>or</i> residential home			
Proportion receiving care	14.9%	8.7%	21.1%
No days per user	229.0	183.1	268.7

Use of social care: Any social care 12 months before death



Use of social care: residential or nursing home care / home care



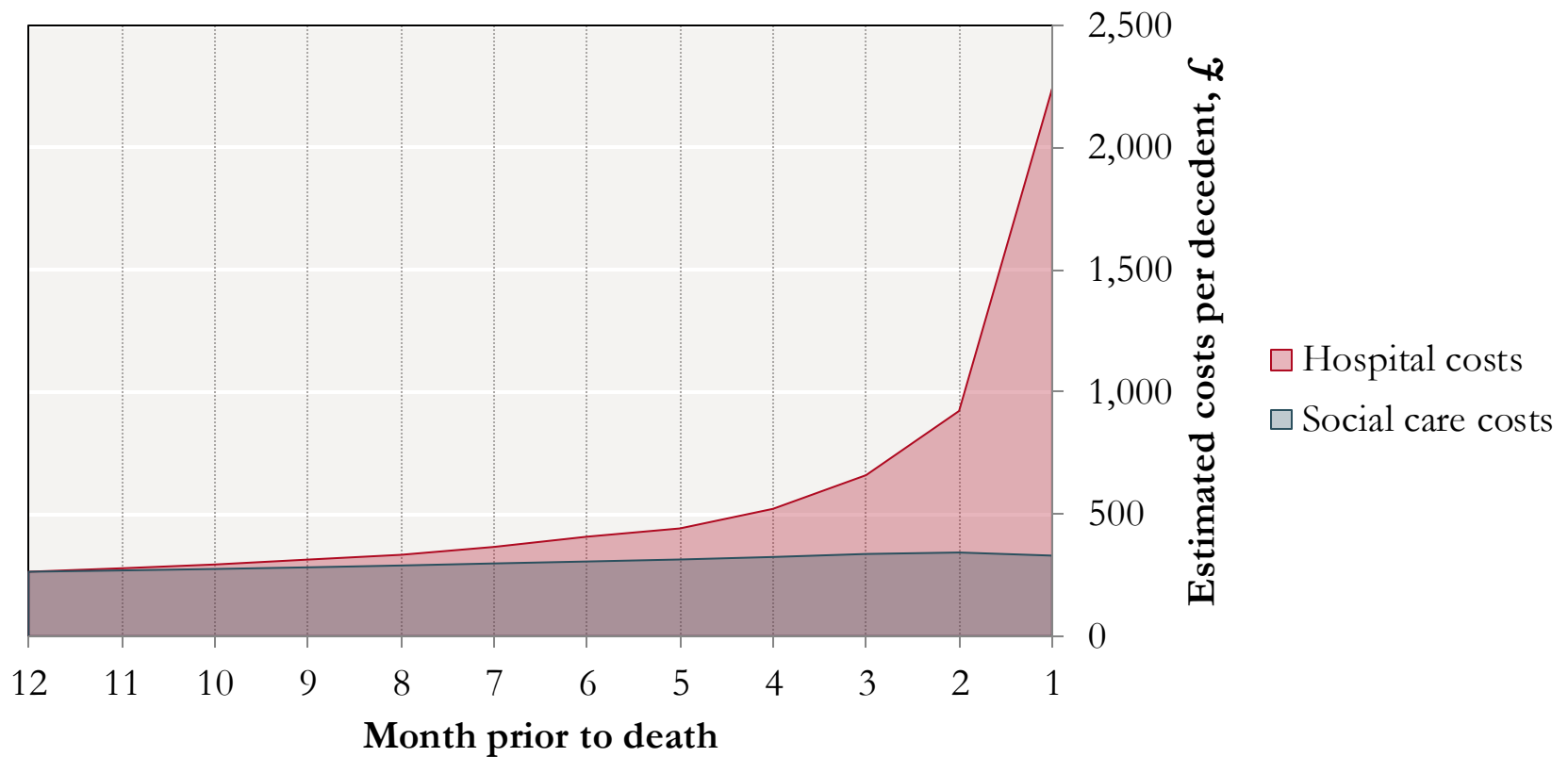
Hospital and social care: Hospital use, final year

		ALL Sites	Low	High
N (total deaths)		73,243		
Proportions, any use of	Hospital - any	89.6%	84.9%	93.4%
	Inpatient	79.4%	69.8%	83.5%
	Outpatient	68.5%	59.8%	80.7%
	A&E	65.5%	54.2%	76.1%
	No hospital	10.4%	15.1%	6.6%
Counts per decedent	IP admissions	2.6	2.1	3.1
	IP days	26.4	9.9	30.6
	Emergency IP adms	1.5	1.2	1.7
	Emergency IP days	21.8	5.2	26.5
	OP attendances	5.3	3.3	9.1
	A&E visits	1.3	1.0	1.7

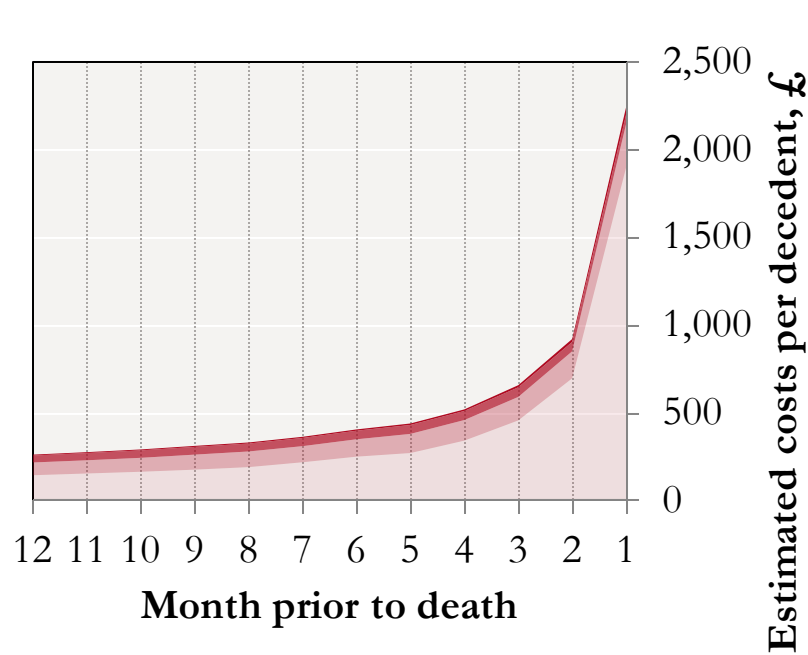
Hospital and social care: Costs, final year

	Total cost, £m	Total cost per decedent, £	% total cost	No. users	Total cost per user, £
Hospital Care	487	6,644	65.6%	65,624	7,415
Inpatient emergency	346	4,721	46.6%	54,577	6,336
Inpatient non emergency	92	1,259	12.4%	58,165	1,585
Outpatient	40	542	5.3%	50,155	791
A&E	9	122	1.2%	48,000	185
Social care	255	3,486	34.4%	20,330	12,559
Residential and nursing care	205	2,795	27.6%	10,896	18,788
Home Care	40	540	5.3%	10,970	3,608
Other	11	150	1.5%	4,084	2,698
All care services	742	10,130	100.0%	73,243	-

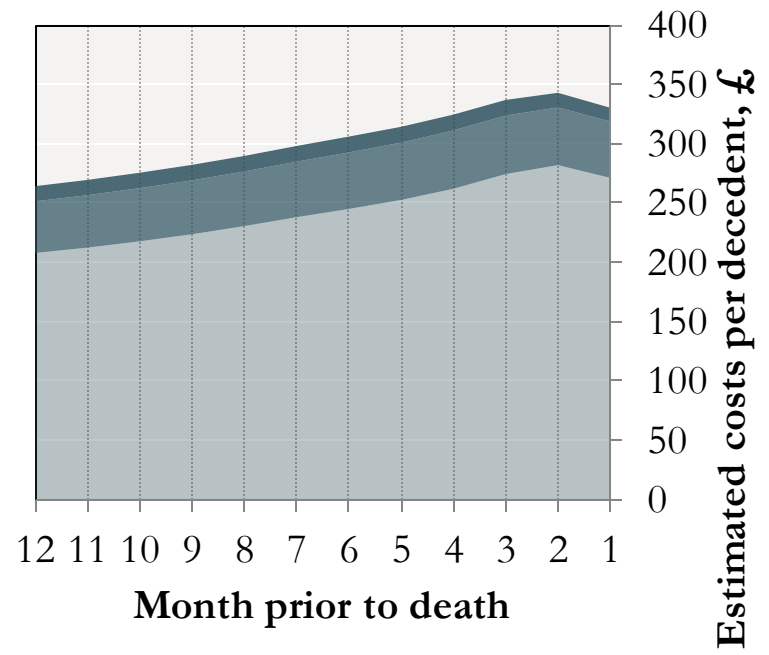
Hospital and social care: Change in costs per decedent during final year



Hospital and social care: Change in costs per decedent during final year, detail

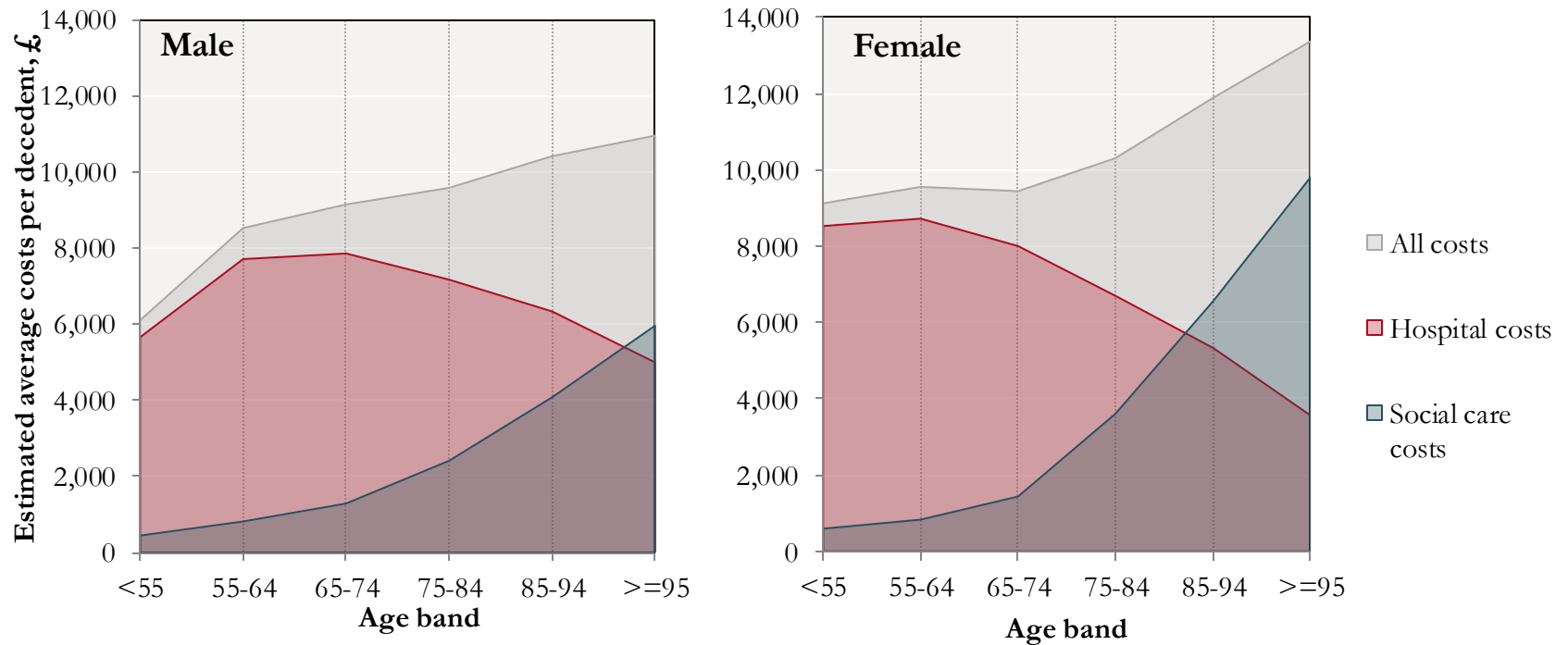


- A&E costs
- Outpatient costs
- Non emergency inpatient costs
- Emergency inpatient costs

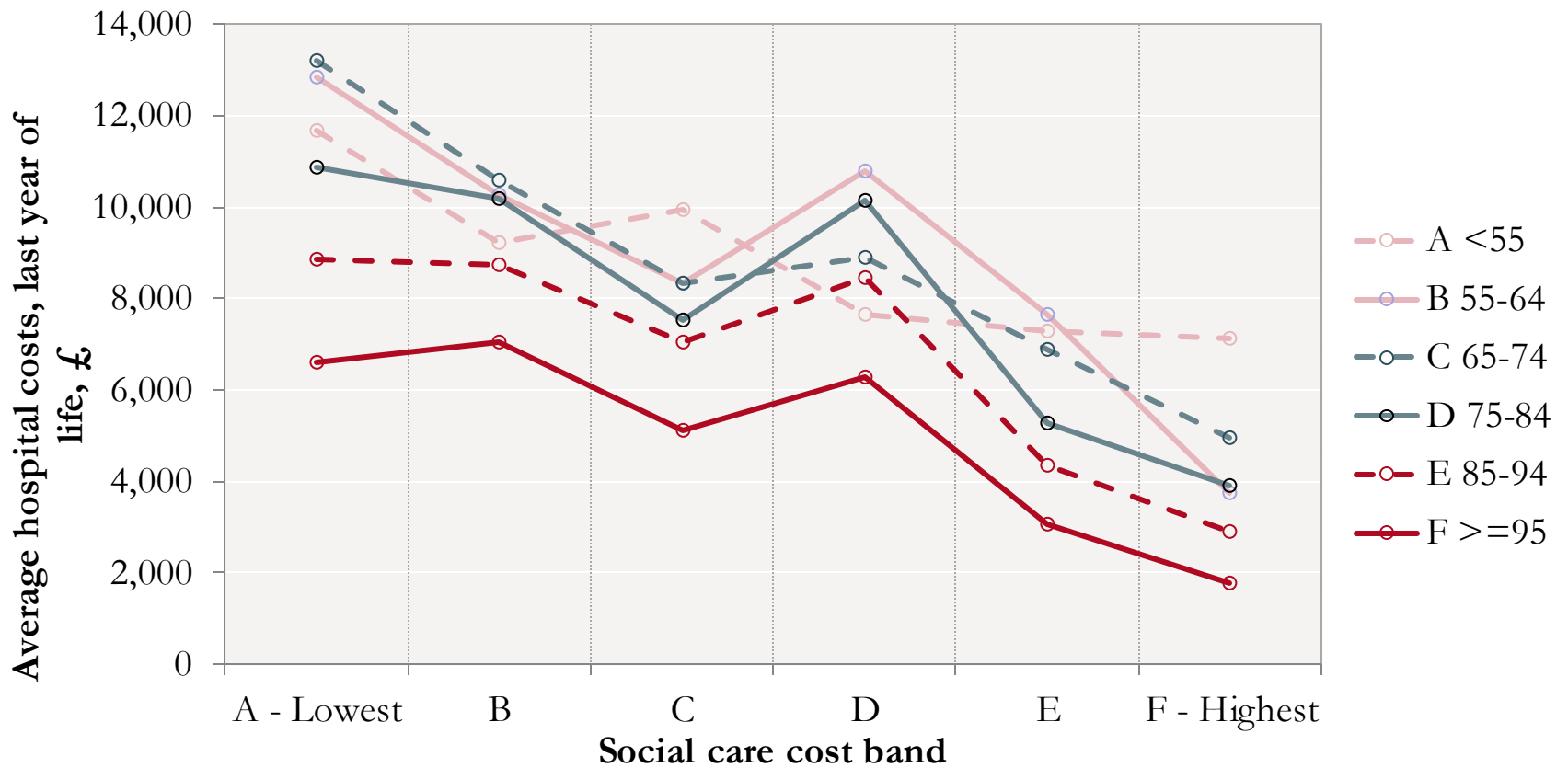


- Other
- Home care

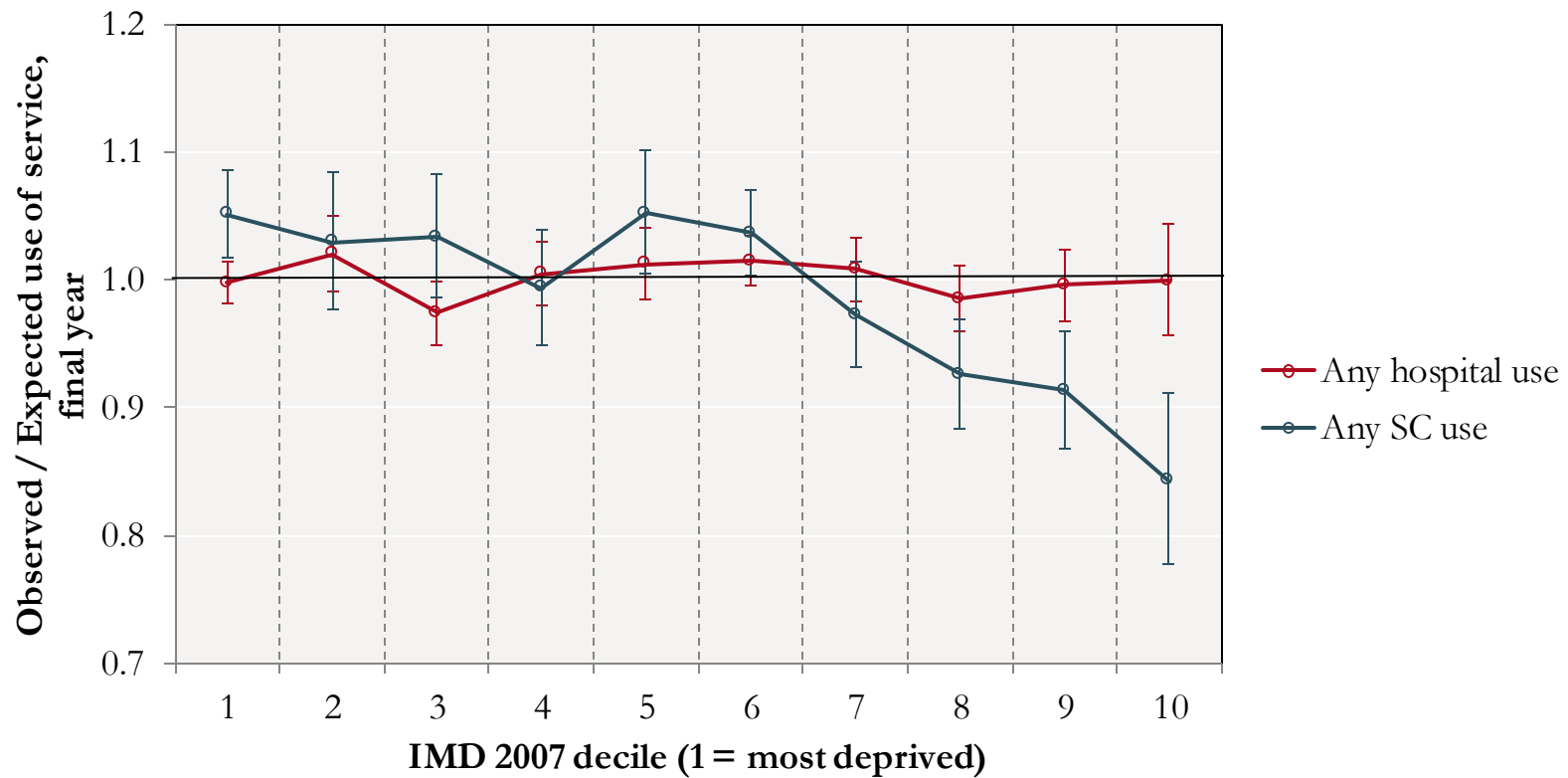
Social demographic factors: Age and gender, costs per person, final year



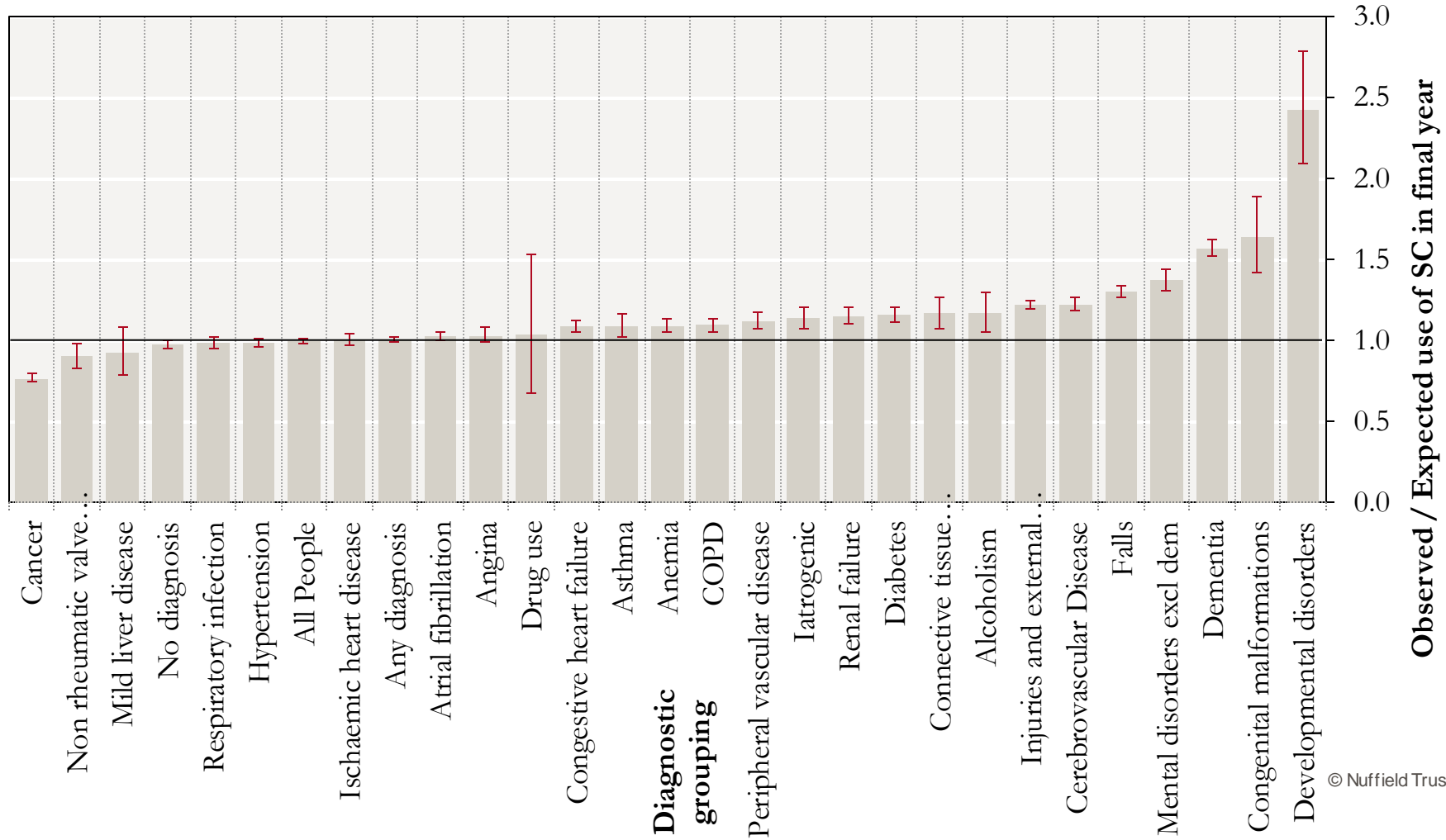
Hospital and social care: Hospital costs, by social care category



Social demographic factors: Area deprivation



Social demographic factors: Diagnostic group





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