

End of Life in Urological Cancers

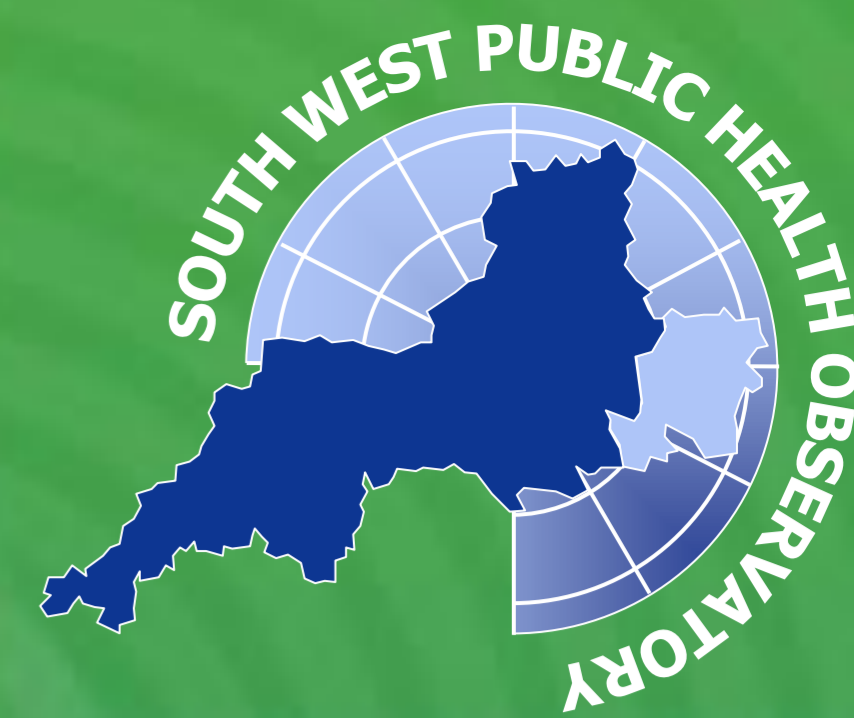
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1. Introduction

16,000 people die each year from a urological cancer. This group comprises cancers with differing complications and disease progression. Therefore we expect a variation between these cancers in the place of death and type of care at end of life.

Place of death was based on annual Office for National Statistics deaths extracts for 2001-2010, and admissions and costs based on Hospital Episode Statistics for those dying in 2006-2008, using the Healthcare Resource Group code to assign a cost.

Table 1: Deaths from urological cancers, annual average 2001-10

Penile cancer	Prostate cancer	Testicular cancer	Kidney cancer	Renal pelvis & Ureter cancers	Bladder cancer
87	8,596	59	2,778	124	4,112

2. Results

Figure 1: Place of death for urological cancers, 2001-10

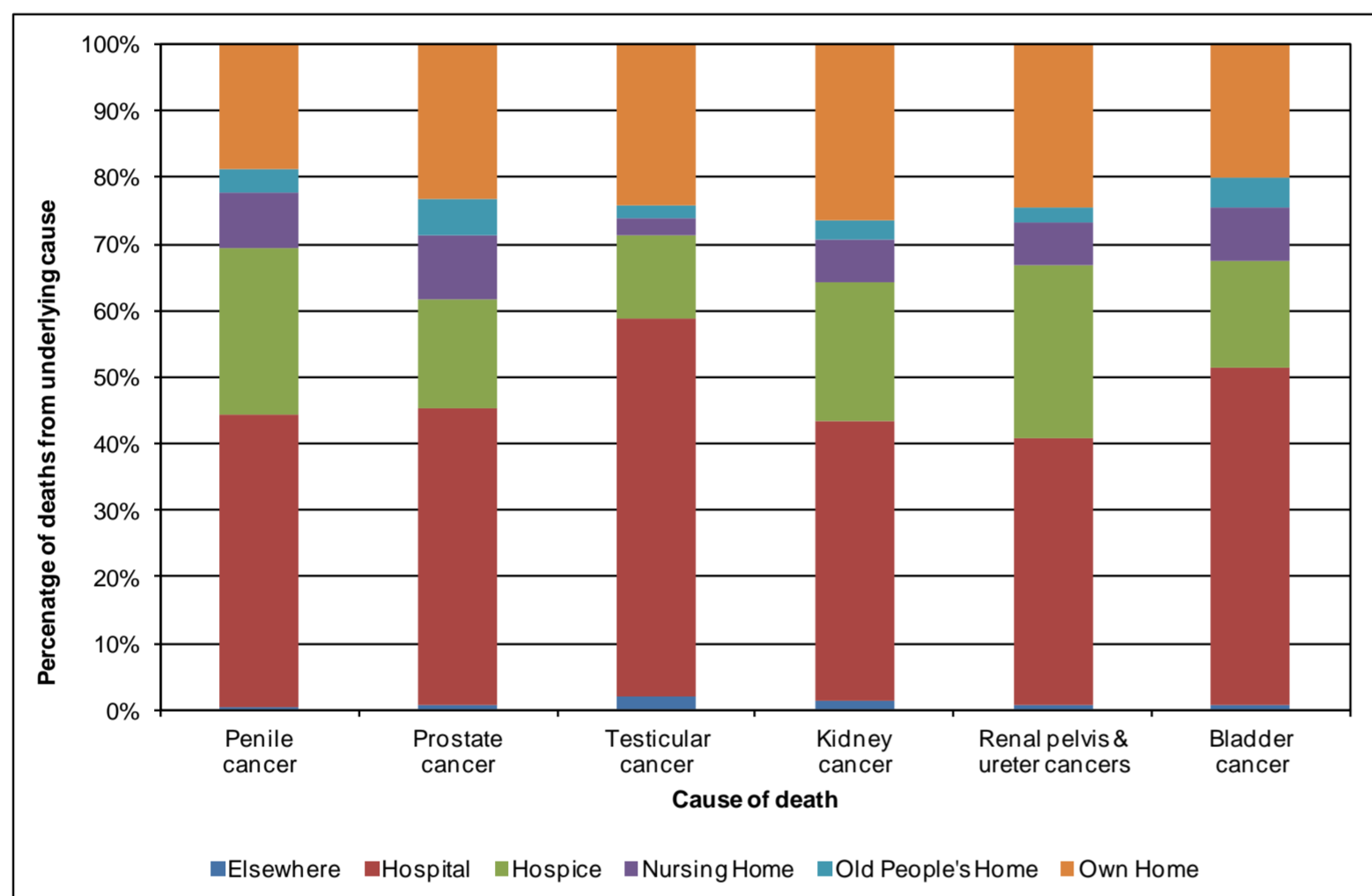
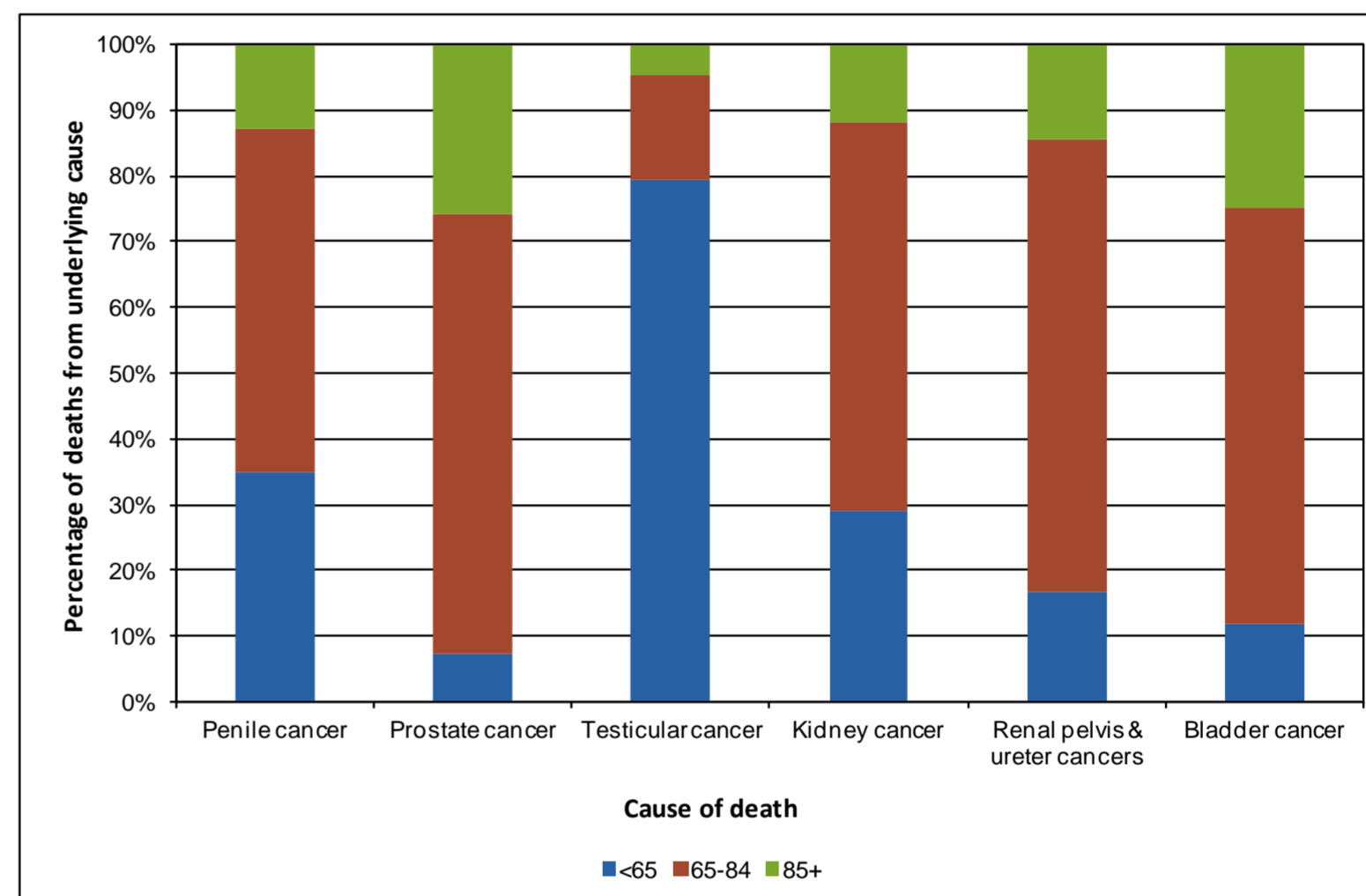


Figure 2: Age at death for urological cancers, 2001-10



Tables 2a-f: Hospital data for urological cancers, 2006-08

Prostate

	Elective	Emergency	Total
Admissions in last year of life	8,181	41,829	50,010
Beddays in last year of life	69,482	530,288	599,770
Average length of stay per admission	8.5	12.7	12.0
Average admissions per person	1.4	2.1	2.4
Length of stay of final admission	13.3	15.7	15.5
Total cost £	15,553,710	126,574,654	142,128,364
Cost per admission £	1,901	3,026	2,842
Cost per person £	2,691	6,448	6,931
Cost of final admission £	2,409	3,323	3,223

Kidney

	Elective	Emergency	Total
Admissions in last year of life	12,159	21,859	34,018
Beddays in last year of life	88,896	297,660	386,556
Average length of stay per admission	7.3	13.6	11.4
Average admissions per person	1.8	2.2	3.1
Length of stay of final admission	13.4	17.5	16.7
Total cost £	23,989,511	69,467,965	93,457,476
Cost per admission £	1,973	3,178	2,747
Cost per person £	3,592	7,041	8,502
Cost of final admission £	2,962	3,581	3,464

Bladder

	Elective	Emergency	Total
Admissions in last year of life	4,352	14,568	18,920
Beddays in last year of life	35,794	171,599	207,393
Average length of stay per admission	8.2	11.8	11.0
Average admissions per person	1.6	2.2	2.6
Length of stay of final admission	12.5	14.7	14.4
Total cost £	10,315,988	43,472,671	53,788,659
Cost per admission £	2,370	2,984	2,843
Cost per person £	3,691	6,448	7,501
Cost of final admission £	2,967	3,277	3,234

Penile

	Elective	Emergency	Total
Admissions in last year of life	467	441	908
Beddays in last year of life	3,751	5,728	9,479
Average length of stay per admission	8.0	13.0	10.4
Average admissions per person	2.7	2.2	3.8
Length of stay of final admission	14.3	16.1	15.7
Total cost £	1,141,232	1,333,078	2,474,310
Cost per admission £	2,444	3,023	2,725
Cost per person £	6,521	6,567	10,310
Cost of final admission £	3,025	3,387	3,294

Testicular

	Elective	Emergency	Total
Admissions in last year of life	420	327	747
Beddays in last year of life	2,621	3,200	5,821
Average length of stay per admission	6.2	9.8	7.8
Average admissions per person	4.3	2.5	5.3
Length of stay of final admission	13.4	12.0	12.3
Total cost £	1,029,714	859,428	1,889,142
Cost per admission £	2,452	2,628	2,529
Cost per person £	10,507	6,561	13,304
Cost of final admission £	3,132	3,008	3,034

Renal Pelvis & Ureter

	Elective	Emergency	Total
Admissions in last year of life	431	636	1,067
Beddays in last year of life	2,687	8,197	10,884
Average length of stay per admission	6.2	12.9	10.2
Average admissions per person	2.1	1.3	3.1
Length of stay of final admission	11.9	17.0	15.8
Total cost £	1,030,179	1,941,249	2,971,428
Cost per admission £	2,390	3,052	2,785
Cost per person £	4,837	6,386	8,588
Cost of final admission £	3,127	3,475	3,394

3. Conclusions

- The majority of urological cancer deaths occur in hospital, but the overall average (45%) is lower than the 54% of any deaths which occur in hospital.
- People dying from kidney cancer were most likely to die in their own home, those dying from testicular cancer were most likely to die in hospital.
- Apart from testicular cancer, which affects younger men, the majority of urological cancer deaths were for those aged 65-84.
- There is a wide range in the time spent in hospital in the last year of life, and the cost of admissions. The most expensive cancer for care in the last year of life was testicular cancer at £13,300 per person; the least expensive was prostate at £6,900.
- On the whole, emergency admissions are more expensive than elective admissions, and have a longer length of stay.
- The cost of the final admission is higher than the average for all admissions, whatever the place of death.