

BRAIN TUMOUR RESEARCH - FUNDING FLOWS

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1. RESEARCH BRIEF AND HEADLINE FINDINGS

RESEARCH BRIEF



- NPC were asked by Brain Tumour Research to review the research spending flows to cancer
- This data has been produced using publicly available information sources
- The available data was not as comprehensive as expected, however it is the best that is available, and has previously been used in other analyses of cancer research spend
- The issue of secondary brain tumours was not explored this could be an area for further investigation. According to Prof Geoff Pilkington if secondary brain tumours were included in official figures then the number of recorded incidences of brain tumours would substantially increase

HEADLINE FINDINGS



- Brain tumours account for the highest individual cancer burden with the highest average years of life lost compared to all other cancers.
- Brain tumours have very low survival rates, and can occur earlier in life than many other cancers.
- The cumulative research spend on brain tumours between 2002 and 2011 was less than 1% of all NCRI research spend.
- Incidence of primary brain tumours is lower than many other cancers, and NPC believes this may make them harder to fundraise for, although this assumption needs further investigation.
- Funding for brain tumour research has increased in the past ten years, but from a very low base. Cancers like leukaemia and breast cancer have years of good funding and a good body of research to build on. Brain tumour research is playing catch-up.
- According to medical experts, brain tumour research benefits little from general cancer research, which makes up most of the research spend in the UK. This is because of the complexities of the brain. Most other cancers benefit more from general cancer research.



DATA USED IN THIS ANALYSIS



Office for National Statistics

- Cancer incidence in England http://www.ons.gov.uk/ons/rel/vsob1/cancer-statistics-registrations--england--series-mb1-/index.html
- Mortality statistics in England and Wales http://www.ons.gov.uk/ons/rel/vsob1/mortality-statistics--deaths-registered-in-england-and-wales--series-dr-/index.html
- Cancer survival rates in England http://www.ons.gov.uk/ons/rel/cancer-unit/cancer-survival/2006---2010--followed-up-to-2011/index.html

National Cancer Research Institute

Cancer Research Database http://www.ncri.org.uk/default.asp?s=1&p=3&ss=1

Academic Data

 Burnet, N.G., Jefferies, S.J., Benson, R.J., Hunt, D.P., and Treasure, F.P. (2005). Years of life lost (YLL) from cancer is an important measure of population burden and should be considered when allocating research funds. British Journal of Cancer 92, 241-245.



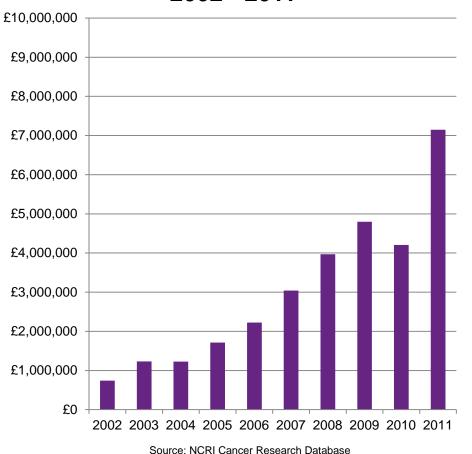
2. RESEARCH FUNDING FOR CANCER

Data:

NCRI Cancer Research Database

FUNDING FOR BRAIN TUMOUR RESEARCH NAS INCREASED, BUT FROM A VERY LOW BASE

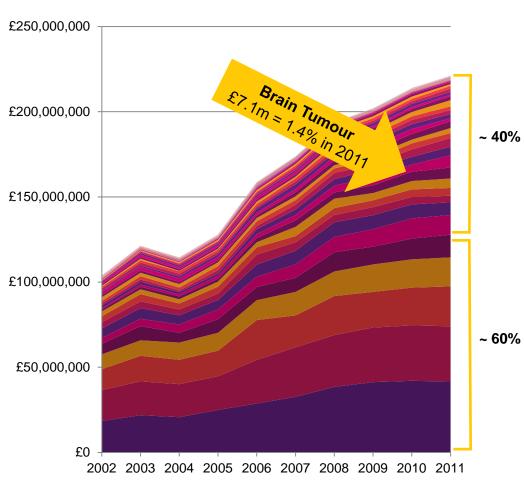
NCRI Spend on Brain Tumours 2002 - 2011



- In 2002 funding for brain tumours was £739,835 representing 0.3% of the total NCRI spend
- In 2011 funding for brain tumours had increased to £7,149,955 representing 1.4% of the total NCRI spend including general spend
- Cumulatively between 2002 and 2011 spending on brain tumour research was less than 1% of total NCRI spend
- Between 2002 and 2011 the total NCRI site specific research spend more than doubled from £103,694,608 to £221,055,132



5 CANCER SITES SHARE 60% OF SITE SPECIFIC FUNDING, 43 CANCER SITES SHARE 40% SITE SPECIFIC FUNDING



- In the past ten years 5
 cancer sites have
 consistently shared
 around 60% of all site
 specific funding resulting
 in 43 cancer sites
 sharing the remaining
 40% of site specific
 funding brain tumours
 are in this group
- Of site specific spend, brain tumours = c3.2%

Source: NCRI Cancer Research Database



3. BRAIN TUMOUR FUNDING COMPARED TO OTHER CANCERS

Data:

NCRI Cancer Research Database

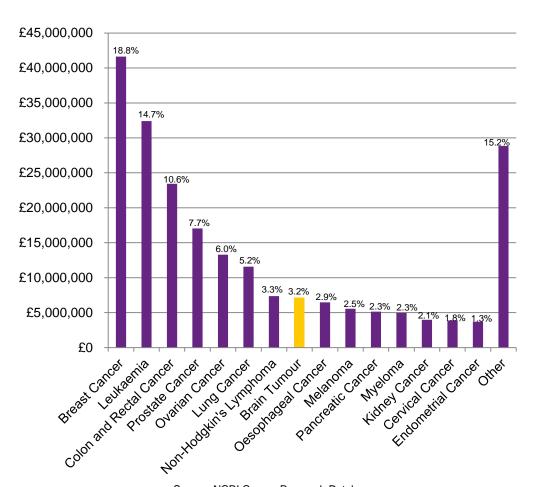
ONS Cancer incidence in England

ONS Mortality statistic in England and Wales

ONS Cancer survival rates in England



JUST 3.2% OF SITE SPECIFIC RESEARCH SPEND WENT ON BRAIN TUMOURS IN 2011



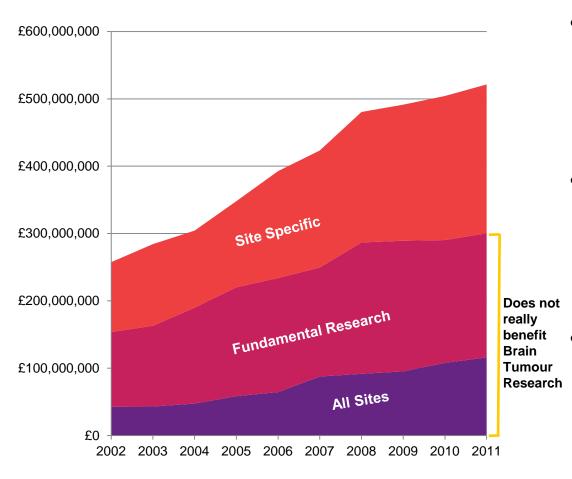
- This graph shows the NCRI site specific cancer research spend and the percentage of the site specific portfolio for common cancers in 2011
- Breast cancer (18.8%) and Leukaemia (14.7%) had the highest research spend in 2011
- Brain tumours accounted for 3.2% of site specific research spend in 2011

Source: NCRI Cancer Research Database









- General Research
 (fundamental research + all
 site research) accounts for
 around 60% of NCRI spending
 2002 2011
- However, due to the complexity of the brain, general research does not often benefit brain tumour research (Prof Pilkington)
 - Advances in brain tumour treatments come predominately from site specific research

Source: NCRI Cancer Research





UNLIKE MANY OTHER CANCERS, BRAIN TUMOUR RESEARCH DOES NOT BENEFIT FROM GENERAL RESEARCH

Prof Geoff Pilkington, President *British Neuro-Oncology Society* explained:

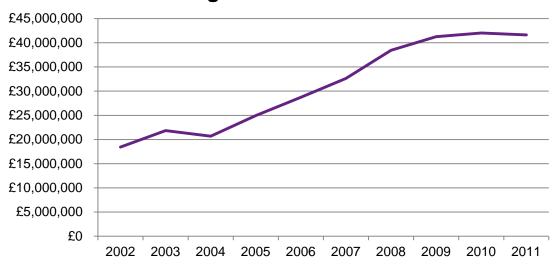
- Brain tumours are very different from other cancers.
- The 'blood-brain barrier' protects the brain from toxins in the blood, but this can also hinder brain tumour treatment. Many treatments, like chemotherapy, run through the blood and so cannot be used for fighting brain tumours. Brain tumours are therefore one of the most inaccessible tumours, and it is important to investigate specific new ways to deliver treatments.
- There are over 120 types of brain tumour, making research difficult. Furthermore, brain tumours are comprised of lots of different types of cells, which react differently to different forms of treatment. The cells that comprise other tumours are usually more uniform in their response to treatments.
- Many brain tumours are cellularly heterogeneous making them harder to treat. At the other extreme, all liver cells behave in the same way, so research into liver cancer treatment is less complicated in this regard.
- [Discoveries in general cancer research or from work on other sites are unlikely to have a major impact on brain tumour research.]





BREAST CANCER HAS RECEIVED A LOT OF FUNDING AND SURVIVAL RATES ARE HIGH

NCRI Funding - Breast Cancer Research



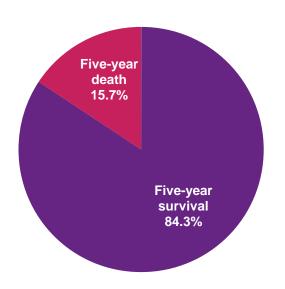
Breast cancer receives a lot of funding

The five year survival rate is high at 84.3%

Many people are diagnosed with breast cancer

There is a large body of existing research which makes discovering treatments easier

Breast Cancer: Five-year Survival and Death Rates ONS



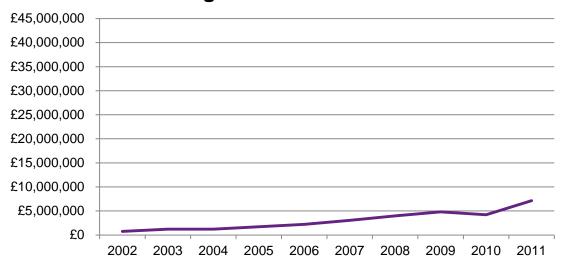
2010 latest ONS figures						
Breast						
Diagnosed England Only	41612					
Died England & Wales	10353					





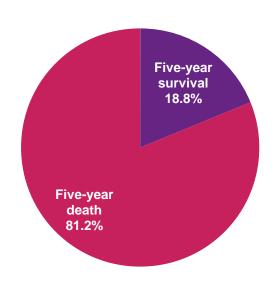
BRAIN TUMOURS HAVE RECEIVED LIMITED FUNDING AND SURVIVAL RATES ARE LOW

NCRI Funding for Brain Tumour Research



Brain tumour research receives little funding
The five year survival rate is low at 18.8%
Fewer people are diagnosed with brain
tumours than breast cancer

Brain Tumour: Five-year Survival and Death Rates ONS



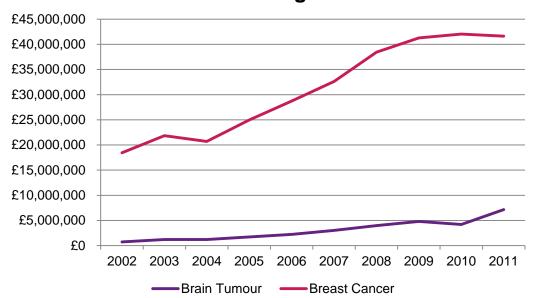
2010 latest ONS figures					
Brain					
Diagnosed England Only	3935				
Died England & Wales	3385				



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BREAST AND BRAIN FUNDING AND SURVIVAL RATES AT A GLANCE

NCRI Research Funding - Brain & Breast

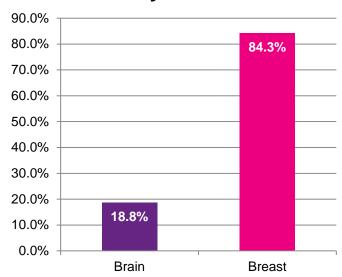


Brain tumours receive less funding

Brain tumours have far lower 5 year survival rates

There are more instances of breast cancer

ONS Five-year survival %



2010 latest ONS figures							
	Brain	Breast					
Diagnosed England Only	3935	41612					
Died England & Wales	3385	10353					





BRAIN TUMOUR RESEARCH LAGS BEHIND MORE PROMINENT CANCERS

- The figures on the last pages do not show causality between research spending and greater survival. However research can help develop treatments for specific cancers which can improve life chances.
- To develop clinical treatments, sustained research funding is needed over long periods of time. Brain tumour research funding started from a very low base, so the cumulative spend is low compared to other cancers. Between 2002 and 2011 spending on brain tumour research was less than 1% of total NCRI spend
- Thanks largely to sustained funding, breast cancer research is advanced, and the more advanced the research, the easier it is to discover treatments.
- Brain tumour research is not yet advanced, so treatments are much harder to discover.



4. CANCER INCIDENCE, SURVIVAL, MORTALITY AND AVERAGE YEARS LIFE LOST

Data:

NCRI Cancer Research Database

ONS Cancer incidence in England

ONS Mortality statistics in England and Wales

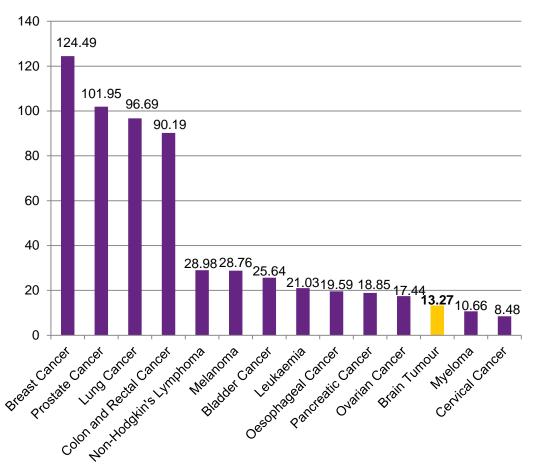
ONS Cancer survival rates in England

Burnet, N.G., Jefferies, S.J., Benson, R.J., Hunt, D.P., and Treasure, F.P. (2005). Years of life lost (YLL) from cancer is an important measure of population burden-and should be considered when allocating research funds. Br J Cancer 92, 241-245.



THE INCIDENCE OF BRAIN TUMOURS IS RELATIVELY LOW IN ENGLAND

ONS Cancer Incidence



- This ONS data shows the mean rates of cancer in England per 200,000 between 2001-2010
- Breast cancer incidence is high: For 200,000 people we would expect that around 124 would develop breast cancer
- Brain tumour incidence is lower: For 200,000 people we would expect that around 13 would develop a brain tumour

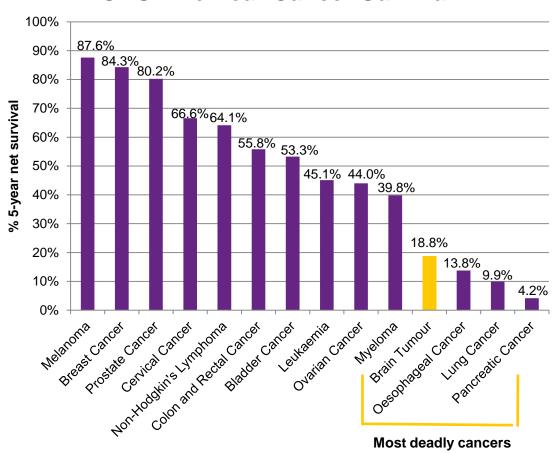
Source: ONS Cancer incidence in England 2001-2010



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HOWEVER THE FIVE-YEAR SURVIVAL RATES FOR BRAIN TUMOURS ARE VERY LOW

ONS Five-Year Cancer Survival

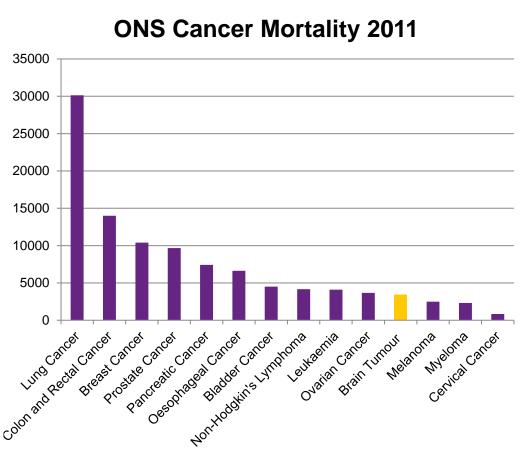


- Brain tumours have very low five-year survival rates
- Only 18.8% of people diagnosed with brain tumours survive fiveyears after their diagnosis

Source: ONS Cancer Survival rates in England



LOW MORTALITY RATES DUE TO LOW NPO INCIDENCE MASK BRAIN TUMOURS' DEADLINESS

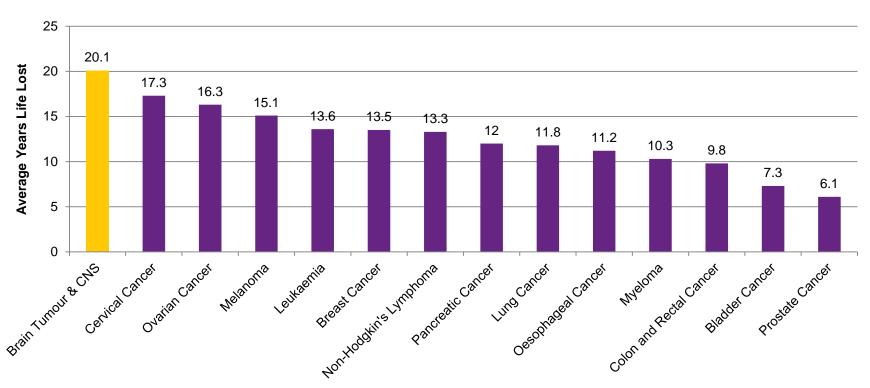


- Brain tumours are more likely to kill than other cancers: survival rates are poor
- However, incidences of brain tumours are few
- So this leads to low overall mortality rates: this masks the real story of many years of life lost

Source: ONS Mortality Statistics in England and Wales 2011



BRAIN TUMOURS HAVE THE HIGHEST NF AVERAGE YEARS OF LIFE LOST OF ANY CANCER



- Brain tumours and CNS cancers shorten people's lives more than any other type of cancer: 20.1 years on average lost
- The mean for all cancers is 12.5 years

Source: Burnet, N.G., Jefferies, S.J., Benson, R.J., Hunt, D.P., and Treasure, F.P. (2005). Years of life lost (YLL) from cancer is an important measure of population burden-and should be considered when allocating research funds. Br J Cancer 92, 241-245.



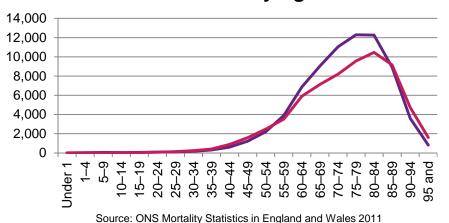


THE RELATIVE AGE AT WHICH PEOPLE GET BRAIN TUMOURS EXPLAINS THE LARGE NUMBER OF AVERAGE LIFE YEARS LOST

Brain Tumour Deaths by Age 2011



All Cancer Deaths by Age 2011



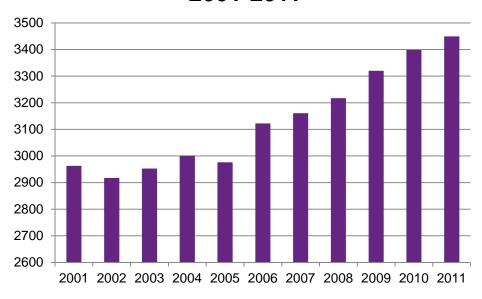
- Brain tumours account for a large proportion of childhood tumours
- Brain tumour also kill both men and women in their prime of life
- Deaths climb and peak in middle age – for men peaking age 65-69, and women reaching a plateau in their 60s and 70s
- The age of death in other cancers combined peaks much later – for men peaking age 75-79, for women over age 80





THE NUMBER OF PEOPLE DYING FROM BRAIN TUMOURS IS INCREASING

Deaths Caused by Brain Tumour 2001-2011



Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Deaths England and Wales		2917	2953	3001	2976	3122	3161	3217	3320	3398	3449

- The number of people dying from brain tumours has increased over the past 10 years
- In 2001 there were 2,963 deaths attributed to brain tumours
- In 2011 this had risen to 3,449 deaths attributed to brain tumours
- This is a 16% increase

Source: ONS Mortality Statistics in England and Wales 2001- 2011



IN SUMMARY



- Incidence of brain tumours in the English population is low but rising
- From 2001 2011 the ONS have recorded a 16% increase in the number of people dying from brain tumours
- Brain tumours are deadly, with only 18.8% of people diagnosed surviving five years
- Brain tumours also have the highest individual burden of any cancer with on average 20.1 years of life lost per person versus 12.5 years on average for all other cancers
- However, due to the low relative incidence of brain tumours, the overall mortality rate attributed to brain tumours is low: using mortality rates masks the grimmer picture

5. RESEARCH SPEND BY CANCER INCIDENCE, SURVIVAL, MORTALITY AND AVERAGE LIFE YEARS LOST

Data:

NCRI Cancer Research Database

ONS Cancer incidence in England

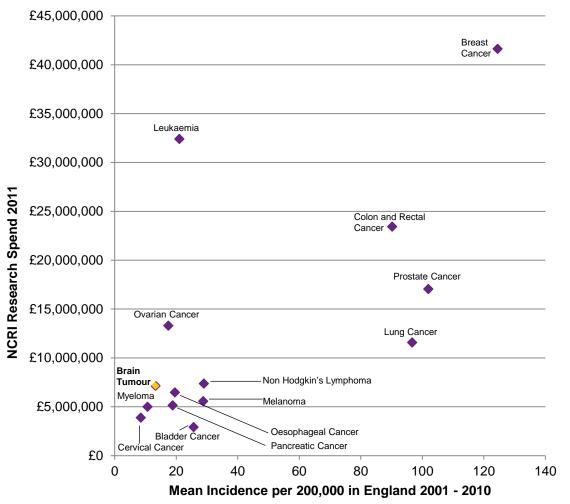
ONS Mortality statistics in England and Wales

ONS Cancer survival rates in England

Burnet, N.G., Jefferies, S.J., Benson, R.J., Hunt, D.P., and Treasure, F.P. (2005). Years of life lost (YLL) from cancer is an important measure of population burden-and should be considered when allocating research funds. Br J Cancer 92, 241-245.

BRAIN TUMOURS ARE IN A CLUSTER OF LOW FUNDED CANCERS WITH LOW INCIDENCE





- This table shows NCRI research spend (2011) plotted against cancer incidence
- Brain tumours have low incidence and low spend
- Breast cancer has high incidence and high spend
- Leukaemia is an outlier with low incidence and high spend

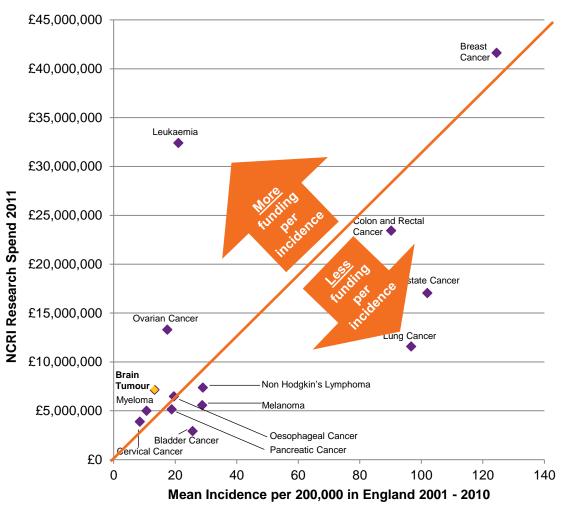
Source: NCRI Cancer Research Database

Source: ONS Cancer incidence in England 2001-2010



BRAIN TUMOURS ARE IN A CLUSTER OF LOW FUNDED CANCERS WITH LOW INCIDENCE





- It is better to have low incidence of a cancer and a high research spend the top left side of the graph
- It may be worse to have high incidence of a specific cancer but relatively low research spend – the bottom right side of the graph

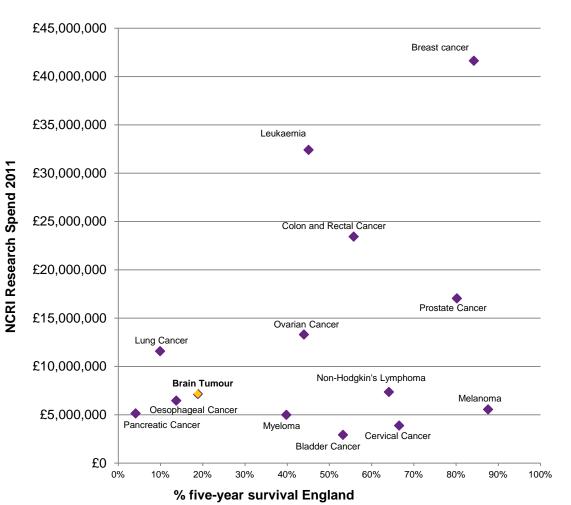
Source: NCRI Cancer Research Database

Source: ONS Cancer incidence in England 2001-2010









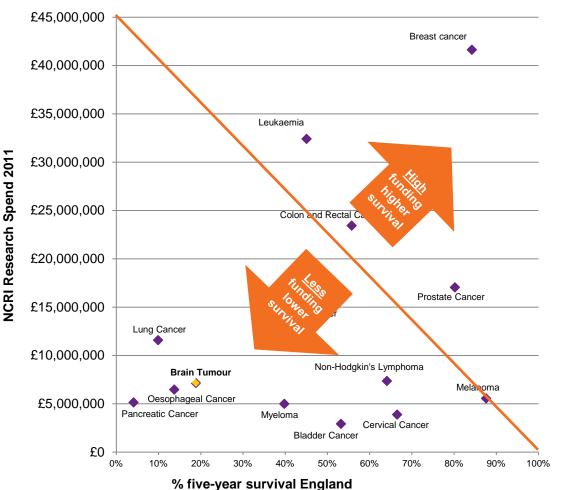
- This table shows ONS survival rates plotted against NCRI research spend 2011
- Brain tumours have a very low five-year survival rate, and also a low NCRI research spend in 2011
- Few low survival cancers have high spend

Source: NCRI Cancer Research Database Source: ONS Cancer survival rates in England



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LOOKING AT SURVIVAL RATES, BRAIN TUMOURS ARE IN A POOR POSITION

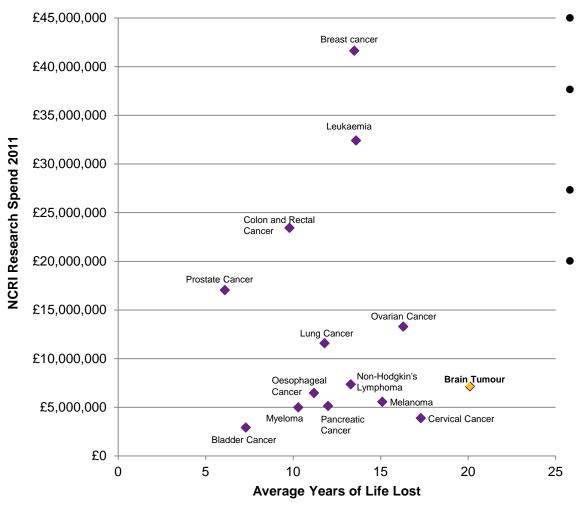


- It is better to have higher survival rates for a cancer and higher funding – top right side of the graph
- It may be worse to have lower survival rates and less funding – bottom left hand side of the graph
- Brain tumour research is not in a good position

Source: NCRI Cancer Research Database Source: ONS Cancer survival rates in England



THE AVERAGE YEARS OF LIFE LOST TO BRAIN NPC TUMOURS IS HIGH AND THE RESEARCH SPEND LOW



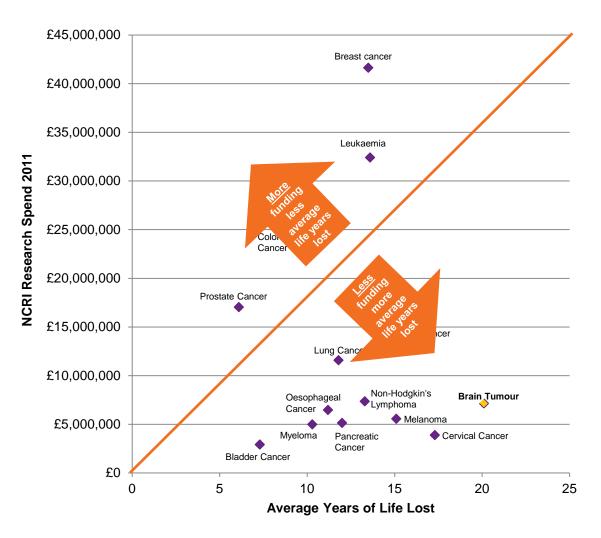
- Brain tumour is in the worst position in this graph
- Brain tumours have the highest average life years lost - 20.1 years
- However the research spend is very low
- Colon and rectal cancer research received three times as much funding as brain tumour despite the average life years lost being much lower at 9.8 years

Source: NCRI Cancer Research Database

Source: Burnet et al. 2005



THE AVERAGE YEARS OF LIFE LOST TO BRAIN NPC TUMOURS IS HIGH AND THE RESEARCH SPEND LOW



- It is better to have more funding and less average life years lost – top left side of the graph
- It may be worse to have lower funding and more average life years lost – bottom right hand side of the graph

Source: NCRI Cancer Research Database

Source: Burnet et al. 2005



6. NOTES ON DATA AND BRAIN CANCER

NCRI DATA PROVIDES A VERY USEFUL SNAP NPC' SHOT OF CANCER RESEARCH SPEND IN THE UK

The following organisations submit data which is included in the NCRI annual figures:

- Association of British Pharmaceutical Industry
- Association for International Cancer Research
- Breakthrough Breast Cancer
- Biotechnology and Biological Sciences Research Council
- Breast Cancer Campaign
- Cancer Research UK
- Children with Cancer UK
- Chief Scientist Office, Scottish Government Health Directorates
- Department of Health
- Economic and Social Research Council
- Leukaemia & Lymphoma Research

- Ludwig Institute for Cancer Research
- Macmillan Cancer Support
- Marie Curie Cancer Care
- Medical Research Council
- Northern Ireland Health & Social Care R&D Office
- Prostate Cancer UK
- Roy Castle Lung Cancer Foundation
- Tenovus The Cancer Charity
- Welsh Government National Institute for Social Care and Health Research
- The Wellcome Trust
- Yorkshire Cancer Research

The charity sector is a key funder for cancer research and many of these organisations are charities





HOWEVER, MORE COMPREHENSIVE DATA WOULD BE USEFUL

- NCRI data includes the research spend of the membership organisations listed in the previous slide, who invest over £1million annually
- The NCRI data does not take into account the spend of organisation's that invest less than £1million on research annually and who are not members of the Association of Medical Research Charities
- Some organisations, including recently established charities such as Brain Tumour Research, fund site specific research over £1million but are not included in the NCRI data
- The NCRI cancer research database is the most comprehensive source available to analyse cancer research funding
- However, it would be more useful if it were expanded to include funding from other sources, across the range of different cancer sites



THE CHALLENGES OF DATA COLLECTION



- Classification is an issue with all datasets. We heard anecdotal evidence that the classification of research at some NCRI membership bodies was not robust.
- Cancer research is a broad term that encompasses both qualitative, quantitative, lab-based research and clinical trials. It would be useful to break down the funding statistics into these strands to understand what is funded.
- The ONS data only counts grade 3 and grade 4 brain tumours which are malignant in its figures. Yet according to Prof Geoff Pilkington, all brain tumours are potentially life threatening, regardless of their grade. By virtue of their position in the body, they are biologically malignant because they expand into a restricted space (the skull) causing pressure and interfering with other brain functions.
- Furthermore, although grade 2 primary brain tumours are classified as benign, they become malignant with time.



THE CHALLENGES OF DATA COLLECTION



- According to Prof Pilkington, the ONS data counts the primary sites of cancer in the body, however, it is not always a primary cancer that causes death. For example, once a secondary brain tumour develops the prognosis of a patient vastly decreases and it is often the secondary brain tumour that causes mortality. As this is not picked up in ONS statistics, the actual incidence and mortality rates for brain tumours could be much higher than the ONS figures indicate.
- The datasets used in this research include ONS data for cancer incidence and cancer survival covering England, and ONS data for cancer mortality in England and Wales. The geographic scope of this data is a feature of how it is collated by the ONS. Figures for Scotland and Ireland are separate and have not been included in this analysis.

FURTHER RESEARCH



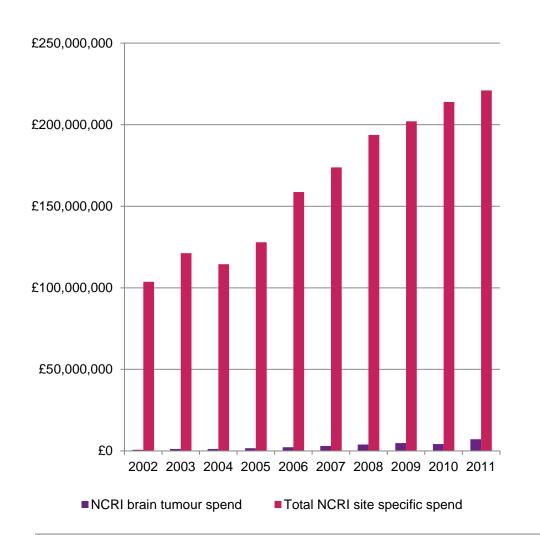
 More analysis of age profile of brain tumour mortality may show some interesting trends

7. APPENDICES

Data tables and graphs

NPC*

TOTAL SPEND ON SITE SPECIFIC CANCER RESEARCH HAS DOUBLED 2002-2011



- In 2002 total NCRI site specific spend was £103,694,608
- In 2011 total NCRI site specific spend was £221,055,132
- Funding for brain tumour research has also increased during this time, from £739,835 in 2002 (0.3% total NCRI spend) to £7,149,955 in 2011 (1.4% total NCRI spend)

Source: NCRI Cancer Research Database





CANCER FUNDING IN 2011 NCRI SPEND BY DISEASE SITE

Breast Cancer Leukaemia Colon and Rectal Cancer Prostate Cancer	Lung Cancer Non-Hodgkin's Lymphoma Brain Tumour	Oesophageal Cancer Melanoma Pancreatic Cancer Myeloma			Pharyngeal Cancer Wilm's Tumour Liver Cancer
£41,632,373 £32,403,522 £23,435,013 £17,046,461 £13,298,944	£11,585,758 £7,363,828 £7,149,955	£6,468,554 £5,561,505 £5,146,233 £4,986,864	£3,981,528 £3,883,885 £3,699,689 £2,933,882	£2,917,277 £2,512,064 £2,333,330	£2,277,094 £2,178,295 £1,979,545 £1,755,136

Laryngeal Cancer	Oral Cavity and Lip Cancer	Nervous system	Neuroblastoma	Kaposi's Sarcoma	Bone Cancer	Vulva Cancer	Anal Cancer	Penile Cancer	Salivary Gland Cancer	Adrenocortical Cancer	Pituitary Tumour	Small Intestine Cancer	Vaginal Cancer	Thyroid Cancer	Nasal Cavity and Paranasal Sinus	Parathyroid Cancer	Primary CNS Lymphoma	Primary of Unknown Origin	Gallbladder Cancer	Eye Cancer	Retinoblastoma	Vascular System
£1,625,759	£1,563,237	£1,156,207	£1,037,713	£862,243	£752,761	£535,956	£511,456	£340,633	£323,208	£246,563	£209,549	£189,055	£181,043	£167,858	£97,826	£81,976	£25,224	£23,345	£11,170			

Source: NCRI Cancer Research Database







Site	Mean incidence per 200,000	NCRI Spend
	in England 2001 - 2010	111 2011
Breast Cancer	124.49	£41,632,373
Prostate Cancer	101.95	£17,046,461
Lung Cancer	96.69	£11,585,758
Colon and Rectal Cancer	90.19	£23,435,013
Non-Hodgkin's Lymphoma	28.98	£7,363,828
Melanoma	28.76	£5,561,505
Bladder Cancer	25.64	£2,917,277
Leukaemia	21.03	£32,403,522
Oesophageal Cancer	19.59	£6,468,554
Pancreatic Cancer	18.85	£5,146,233
Ovarian Cancer	17.44	£13,298,944
Brain Tumour	13.27	£7,149,955
Myeloma	10.66	£4,986,864
Cervical Cancer	8.48	£3,883,885

- This table shows the mean incidence of cancer per 200,000 people using figures from 2001 – 2010
- It also shows NCRI research spend in 2011

Source: NCRI Cancer Research Database

Source: ONS Cancer incidence in England 2001-2010





CANCER FIVE-YEAR NET SURVIVAL BY NCRI RESEARCH SPEND 2011

Site	Five-year Net Survival	NCRI Spend in 2011
Melanoma	87.6%	£5,561,505
Breast Cancer	84.3%	£41,632,373
Prostate Cancer	80.2%	£17,046,461
Cervical Cancer	66.6%	£3,883,885
Non-Hodgkin's Lymphoma	64.1%	£7,363,828
Colon and Rectal Cancer	55.8%	£23,435,013
Bladder Cancer	53.3%	£2,917,277
Leukaemia	45.1%	£32,403,522
Ovarian Cancer	44.0%	£13,298,944
Myeloma	39.8%	£4,986,864
Brain Tumour & CNS	18.8%	£7,149,955
Oesophageal Cancer	13.8%	£6,468,554
Lung Cancer	9.9%	£11,585,758
Pancreatic Cancer	4.2%	£5,146,233

- This table shows the five year net survival rates for common cancers in England
- It also shows NCRI research spend in 2011

Source: NCRI Cancer Research Database Source: ONS Cancer survival rates in England







	Mortality 2011 in	NCRI Spend
Site	England and Wales	2011
Lung Cancer	30148	£11,585,758
Colon and Rectal Cancer	14006	£23,435,013
Breast Cancer	10395	£41,632,373
Prostate Cancer	9671	£17,046,461
Pancreatic Cancer	7434	£5,146,233
Oesophageal Cancer	6635	£6,468,554
Bladder Cancer	4505	£2,917,277
Non-Hodgkin's Lymphoma	4169	£7,363,828
Leukaemia	4098	£32,403,522
Ovarian Cancer	3671	£13,298,944
Brain Tumour	3443	£7,149,955
Melanoma	2486	£5,561,505
Myeloma	2330	£4,986,864
Cervical Cancer	844	£3,883,885

- This table shows the mortality figures for common cancers in England and Wales
- It also shows NCRI research spend in 2011

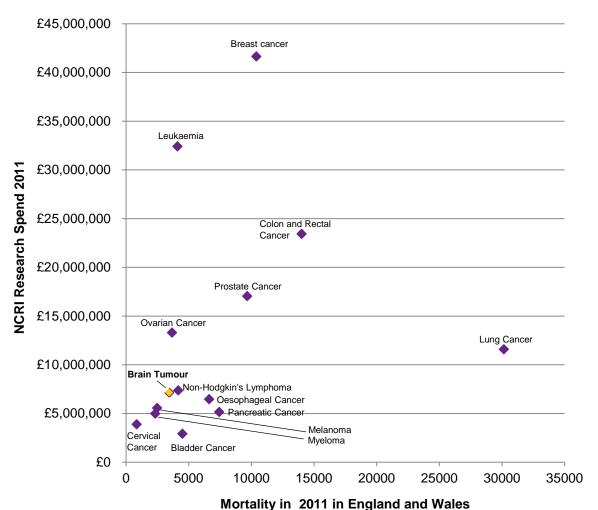
Source: NCRI Cancer Research Database

Source: ONS Mortality statistics in England and Wales



BRAIN TUMOURS ARE REASONABLY FUNDED IF MORTALITY RATES ARE USED





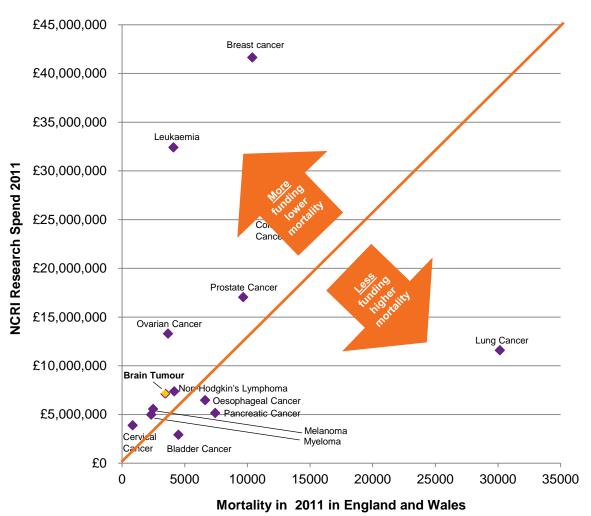
- Brain tumours are in a cluster of uncommon cancers with low mortality rates and relatively low spend.
- The low mortality rate is a consequence of brain tumours being a relatively uncommon form of cancer, compared to breast cancer

Source: NCRI Cancer Research Database

Source: ONS Mortality statistics in England and Wales



BRAIN TUMOURS DO NOT FARE WELL NPC COMPARED TO OTHER CANCER MORTALITY RATES



- It is better to have more funding and lower mortality rates

 top left side of the graph
- It may be worse to have lower funding and higher mortality rates – bottom right hand side of the graph

Source: NCRI Cancer Research Database

Source: ONS Mortality statistics in England and Wales







Site	Average Years Life Lost (years)	NCRI Spend 2011
Brain Tumour & CNS	20.1	£7,149,955
Cervical Cancer	17.3	£3,883,885
Ovarian Cancer	16.3	£13,298,944
Melanoma	15.1	£5,561,505
Leukaemia	13.6	£32,403,522
Breast Cancer	13.5	£41,632,373
Non-Hodgkin's Lymphoma	13.3	£7,363,828
Pancreatic Cancer	12	£5,146,233
Lung Cancer	11.8	£11,585,758
Oesophageal Cancer	11.2	£6,468,554
Myeloma	10.3	£4,986,864
Colon and Rectal Cancer	9.8	£23,435,013
Bladder Cancer	7.3	£2,917,277
Prostate Cancer	6.1	£17,046,461

- This table shows the Average Years Life Lost for common cancers, according to an academic study by Burnet et al (2005) published in British Journal of Cancer
- It also shows NCRI research spend in 2011

Source: NCRI Cancer Research Database

Source: Burnet et al. 2005



