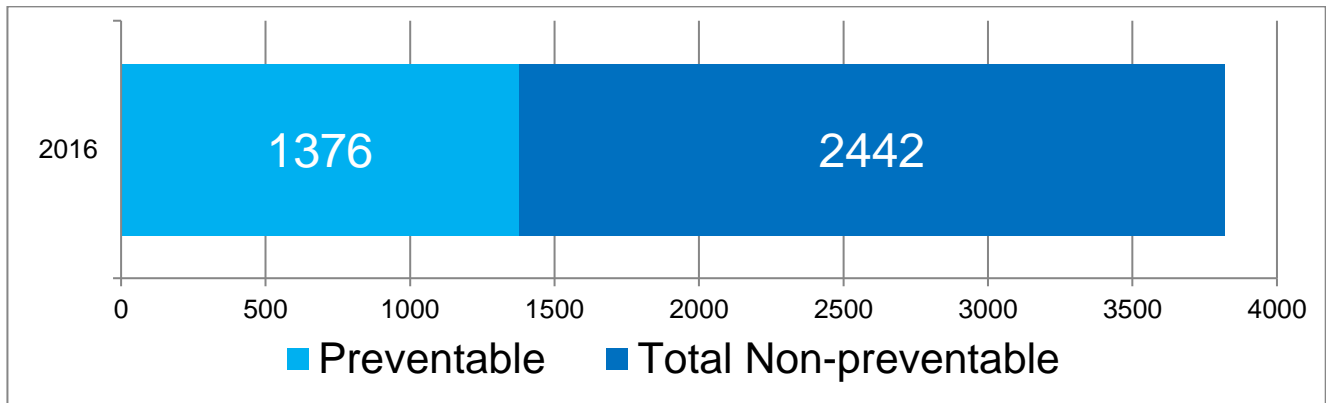


# Cancer Prevention Toolkit

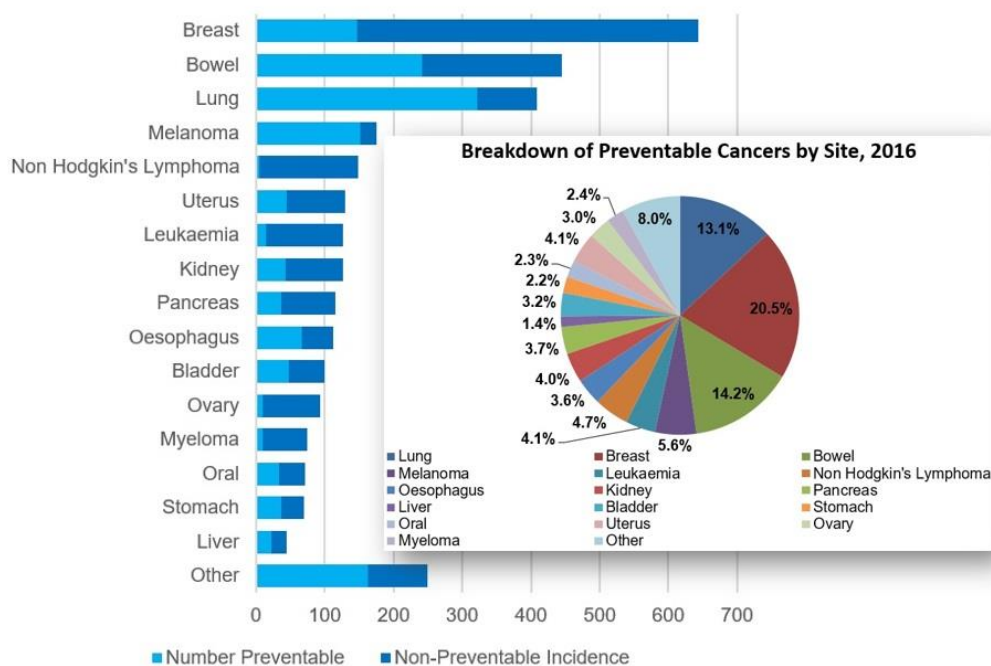
## Derbyshire

In 2016 there were 5012 incident cancers in Derbyshire



- 990 of these were of types that are never preventable, 3134 were of types where a proportion is preventable
- Of these, 1376 cancers would have been considered preventable
- This is 36% of the total cancers in Derbyshire.

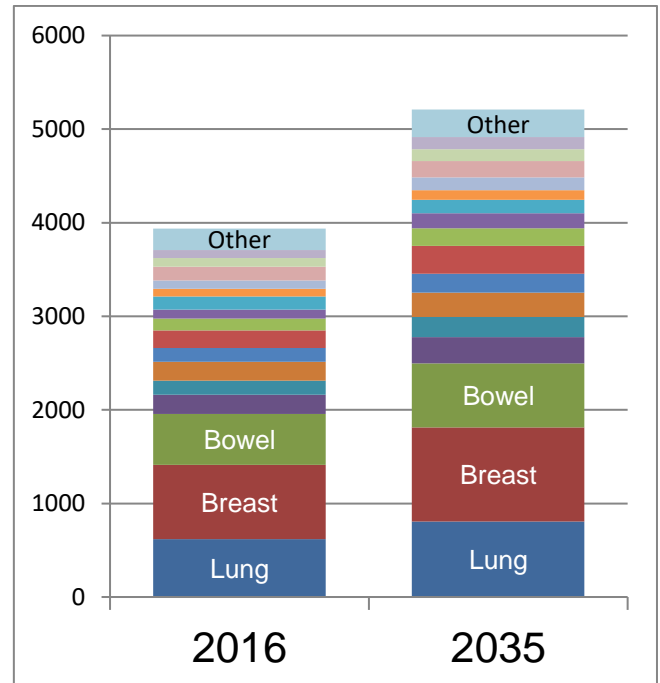
Breakdown of 'Preventable' Cancers in 2016:



# What would we expect in 2035?

*Based on projections to 2035 by Smittenaar, Peterson et al (2016)*

Cancer Site	2016	2035
Lung	620	806
Breast	794	1007
Bowel	542	683
Melanoma	204	281
Leukaemia	153	215
Non Hodgkin's Lymphoma	201	261
Oesophagus	147	202
Kidney	188	298
Pancreas	128	188
Liver	94	160
Bladder	140	144
Stomach	84	103
Oral	89	137
Uterus	145	174
Ovary	94	127
Myeloma	86	128
Other	229	294



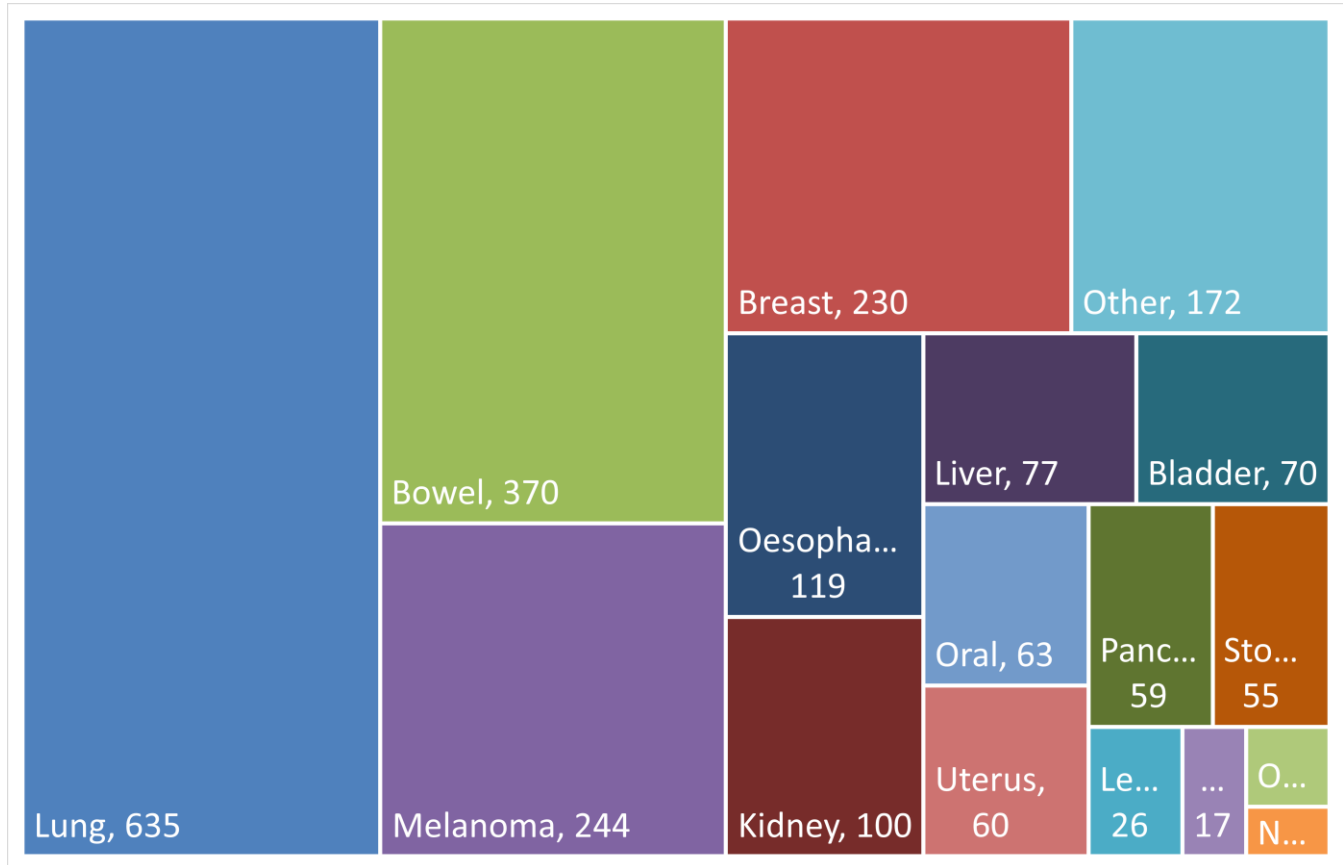
- 30% increase in Lung Cancer incidence
- 27% increase in Breast cancer
- Big percentage increases in Kidney, Myeloma, Liver cancers
- 1270 additional cancers in total (32% growth)
- Breast, Bowel and Lung remain most numerous
- Tobacco the biggest contributor to preventable cancers

## The **Cost** of Preventable Cancer

- **813** more people with social care needs due to cancer by 2035
- Preventable Cancers in Derbyshire cost the NHS an estimated **£70.6** in 2016
- This is projected to rise to **£95.9m** in 2035
- Preventable cancers caused by Tobacco alone cost an estimated **£27.9m**, projected to rise to **£60.6m** in 2035

# The Size of The Prize: How many cancers could we prevent in 2035?

(Top 10 preventable cancers in Derbyshire in 2035)

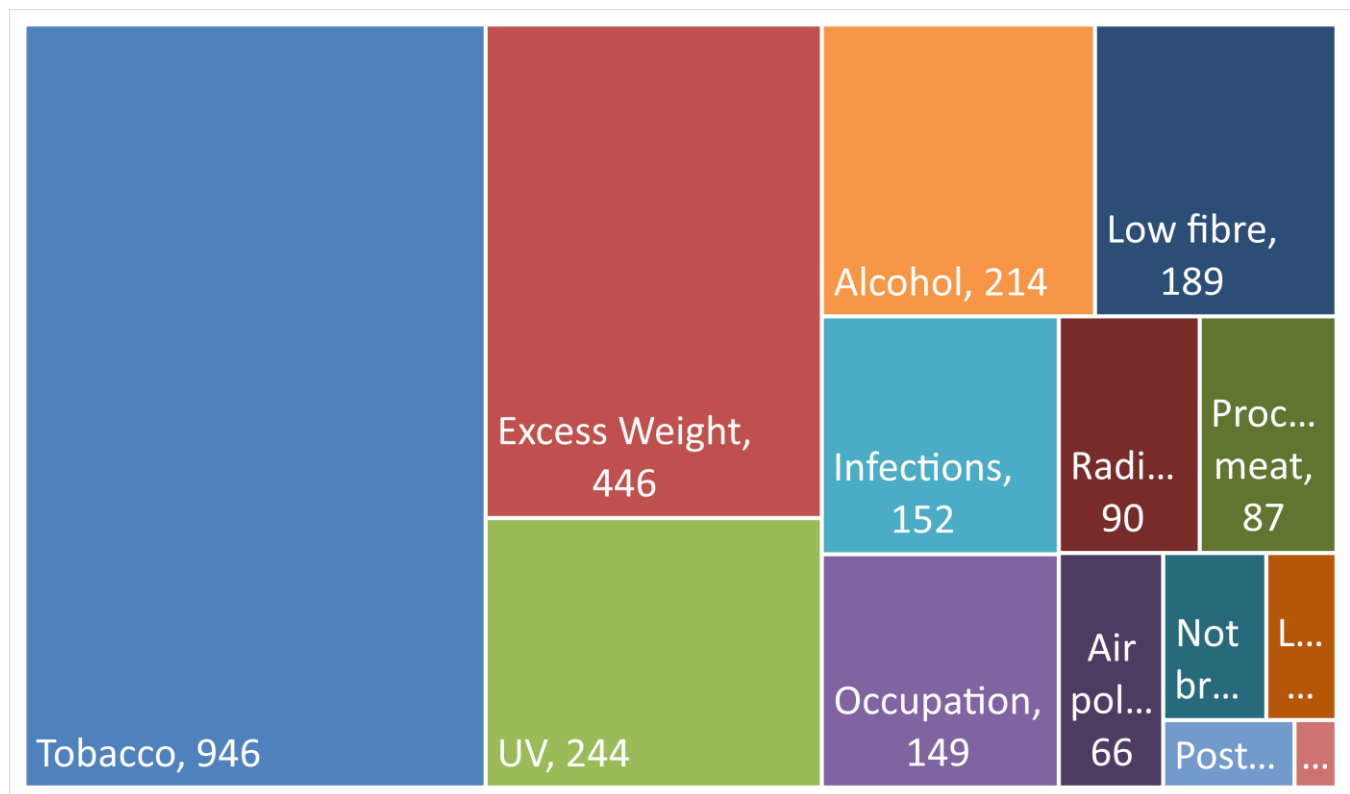


Cancer Site	2016 Incidence	Preventable Fraction	Number Preventable	Non-Preventable Incidence	Projected 2035 Incidence	Number Preventable	Non-preventable 2035 incidence
Lung	620	78.8%	488	132	806	635	171
Breast	794	22.9%	182	612	1007	230	777
Bowel	542	54.1%	293	249	683	370	313
Melanoma	204	86.8%	177	27	281	244	37
Leukaemia	153	12.0%	18	135	215	26	190
Non Hodgkin's Lymphoma	201	3.4%	7	194	261	9	252
Oesophagus	147	58.7%	86	61	202	119	83
Kidney	188	33.5%	63	125	298	100	198
Pancreas	128	31.2%	40	88	188	59	129
Liver	94	48.3%	45	49	160	77	83
<b>Total (all preventable sites)</b>	<b>4167</b>	<b>37.3%</b>	<b>1742</b>	<b>2196</b>	<b>5208</b>	<b>2287</b>	<b>2921</b>

# Where should we focus our efforts on cancer prevention?

What preventable factors will cause the most cancers in Leics in 2035?

**Tobacco** use is by far the biggest cause of preventable cancer in Derbyshire



## Notes

Totals won't sum due to rounding. All charts except chart 1 (total incident cancers) display data on only those cancers with an attributable fraction calculated by Brown, Rumgay *et al* (2018)

Trend projections calculated using Annual Percentage Increase Values from:

Smittenaar, C R; Peterson, K A; Stewart, K; Moitt, N; *Cancer Incidence and Mortality Projections in the UK until 2035*, British Journal of Cancer, 2016, 115, 1147 – 1155 doi: 10.1038/bjc.2016.304

Brown, Kf ; Rumgay, H ; Dunlop, C ; Ryan, M ; Quartly, F ; Cox, A ; Deas, A ; Elliss-Brookes, L ; Gavin, A ; Hounscome, L ; Huws, D ; Ormiston-Smith, N ; Shelton, J ; White, C ; Parkin, DM, *The fraction of cancer attributable to modifiable risk factors in England, Wales, Scotland, Northern Ireland, and the United Kingdom in 2015*, British Journal Of *Cancer*, 2018 Apr, Vol.118(8), pp.1130-1141

Incidence Data downloaded from [nww.cancerstats.nhs.uk](http://nww.cancerstats.nhs.uk), June 2018

Estimate of social care impact (64% of cancer patients have practical social care needs) sourced from:

*Hidden at Home – The social care needs of people with cancer*, Macmillan, London, 2015

Attributable Fractions sourced from: