

# Dying early: dying unnecessarily

## – Analysis of potentially avoidable premature mortality in adults of working age in Northern Ireland 2001 to 2013

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- What is avoidable mortality?
- Proportion of total deaths that are potentially avoidable
- Trends over time
- Main causes of avoidable mortality
- Differences by Age, Gender and Deprivation

# Avoidable Mortality: Definition

‘The basic concept of avoidable mortality is that deaths caused by certain conditions, for which effective public health and medical interventions are available, should be rare and ideally, should not occur...

While a particular condition can be considered to be avoidable, this doesn't mean that every death from that condition could be prevented.’

Office for National Statistics (ONS)

<http://www.ons.gov.uk/ons/about-ons/get-involved/consultations/archived-consultations/2011/definitions-of-avoidable-mortality/definition-of-avoidable-mortality.pdf>

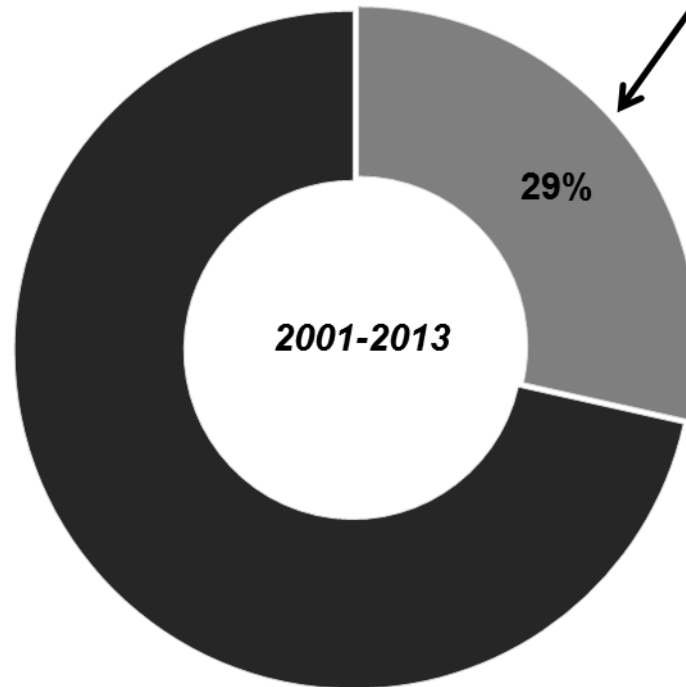
**Table 1. Final avoidable mortality cause list**

Condition group and cause	ICD-10 codes	Age	Amenable	Preventable
<b>Infections</b>				
Tuberculosis	A15-A19, B90	0-74	•	•
Selected invasive bacterial and protozoal infections	A38-A41, A46, A48.1, B50-B54, G00, G03, J02, L03	0-74	•	
Hepatitis C	B17.1, B18.2	0-74	•	•
HIV/AIDS	B20-B24	All	•	•
<b>Neoplasms</b>				
Malignant neoplasm of lip, oral cavity and pharynx	C00-C14	0-74		•
Malignant neoplasm of oesophagus	C15	0-74		•
Malignant neoplasm of stomach	C16	0-74		•
Malignant neoplasm of colon and rectum	C18-C21	0-74	•	•
Malignant neoplasm of liver	C22	0-74		•

<http://www.ons.gov.uk/ons/about-ons/get-involved/consultations/archived-consultations/2011/definitions-of-avoidable-mortality/definition-of-avoidable-mortality.pdf>

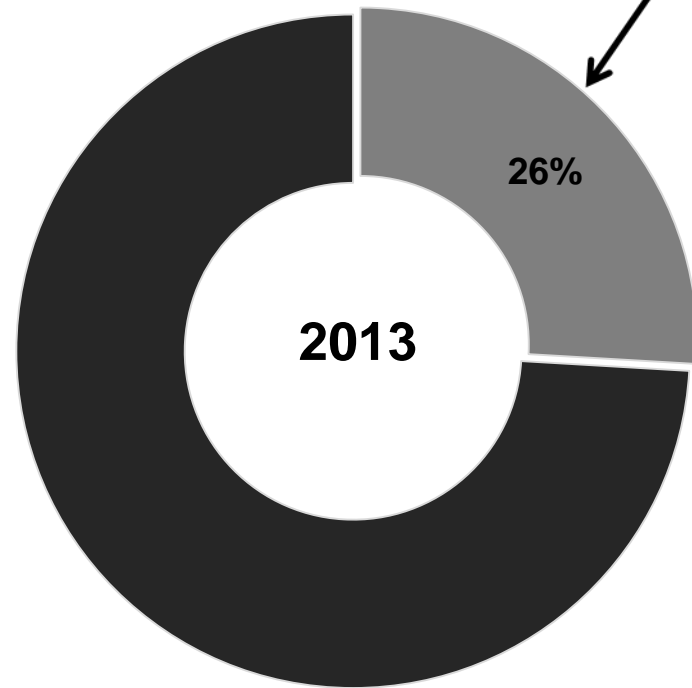
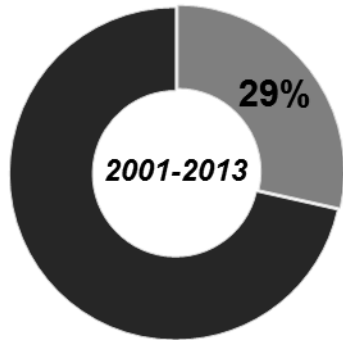
# Scale of avoidable mortality – all ages

Approximately 29% (53,879 out of 189,025) of deaths registered between 2001 and 2013 in Northern Ireland were from causes considered potentially avoidable



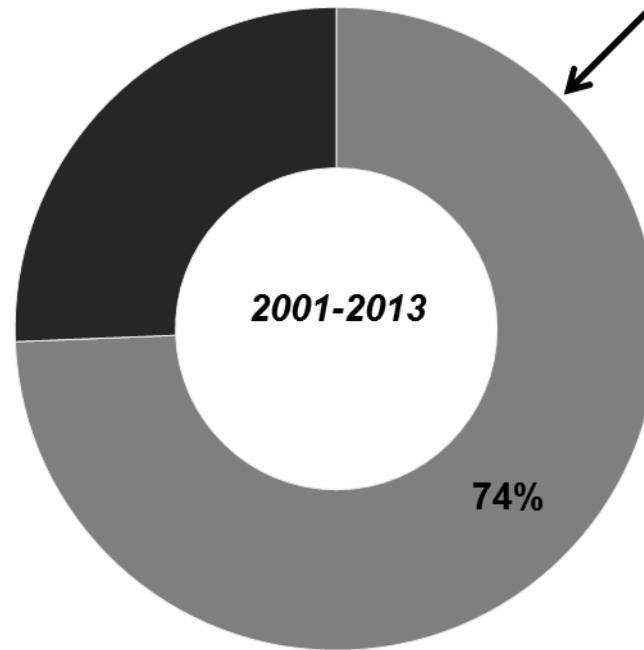
# Scale of avoidable mortality – all ages

Approximately 26% (3,881 out of 14,968) of deaths registered 2013 in Northern Ireland were from causes considered potentially avoidable



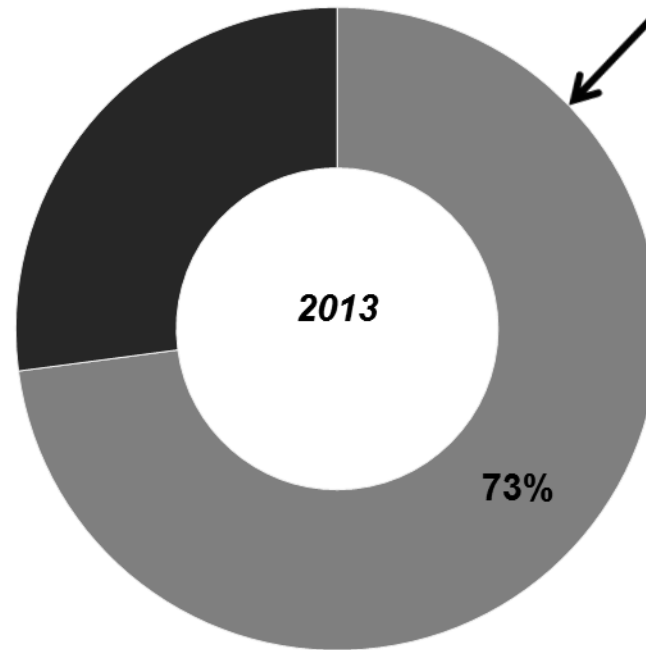
# Scale of avoidable mortality – 18-64yrs

Approximately 74% (26,323 out of 35,397) of deaths in those aged 18-64yrs registered between 2001 and 2013 in Northern Ireland were from causes considered potentially avoidable



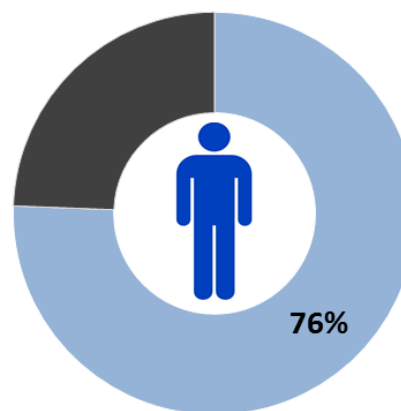
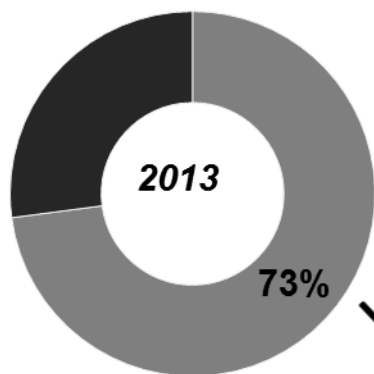
# Scale of avoidable mortality – 18-64yrs

Approximately 73% (1,924 out of 2,639) of deaths in those aged 18-64yrs registered in 2013 in Northern Ireland were from causes considered potentially avoidable

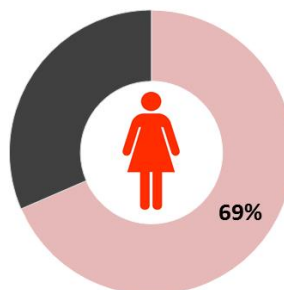


# Scale of avoidable mortality by Gender – 18-64yrs

Approximately 76% of deaths in males and 69% of deaths in females aged 18-64yrs registered in 2013 in Northern Ireland were from causes considered potentially avoidable



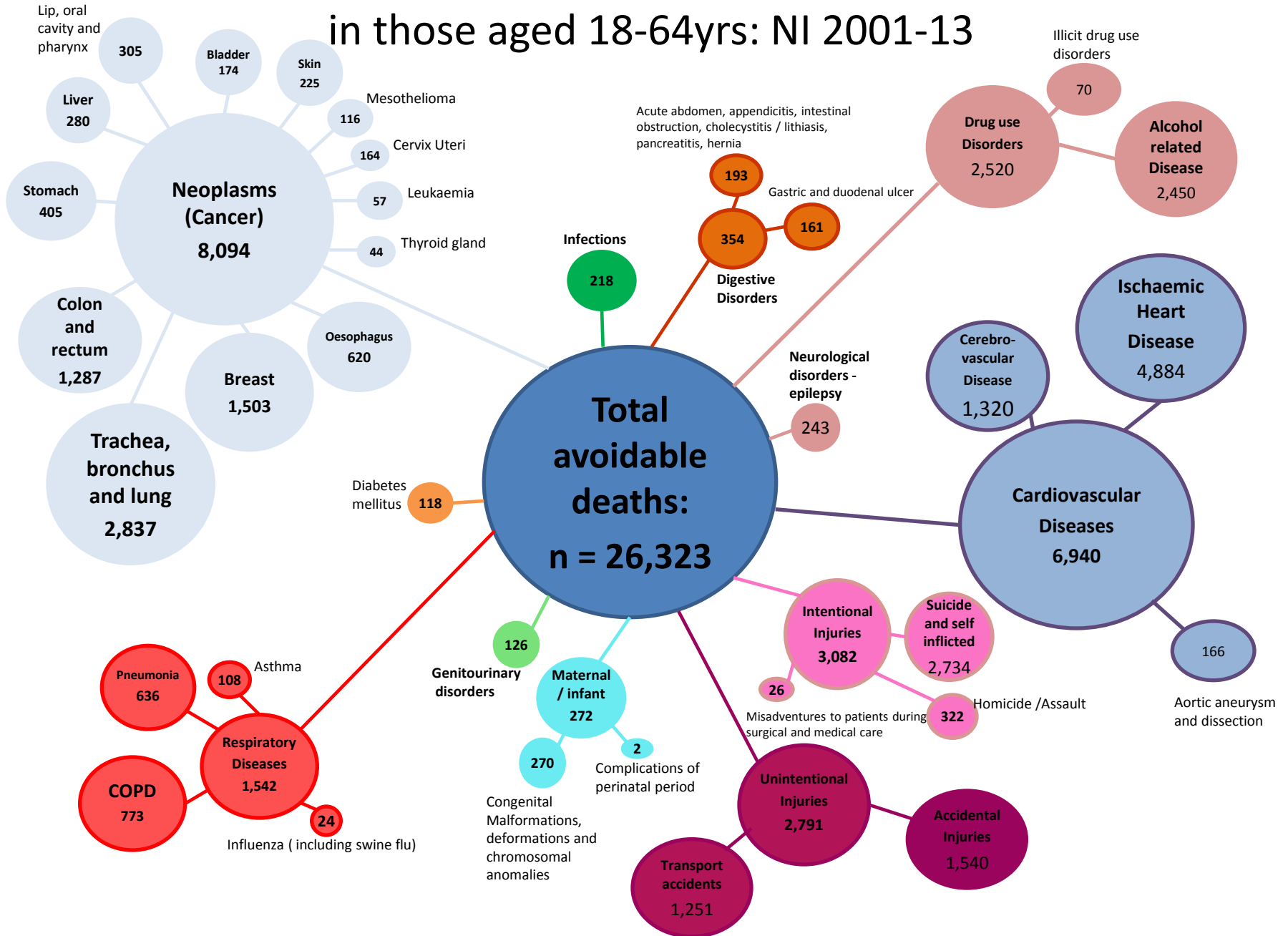
(2013)  
Total Male deaths = 1,635;  
Avoidable = 1,236



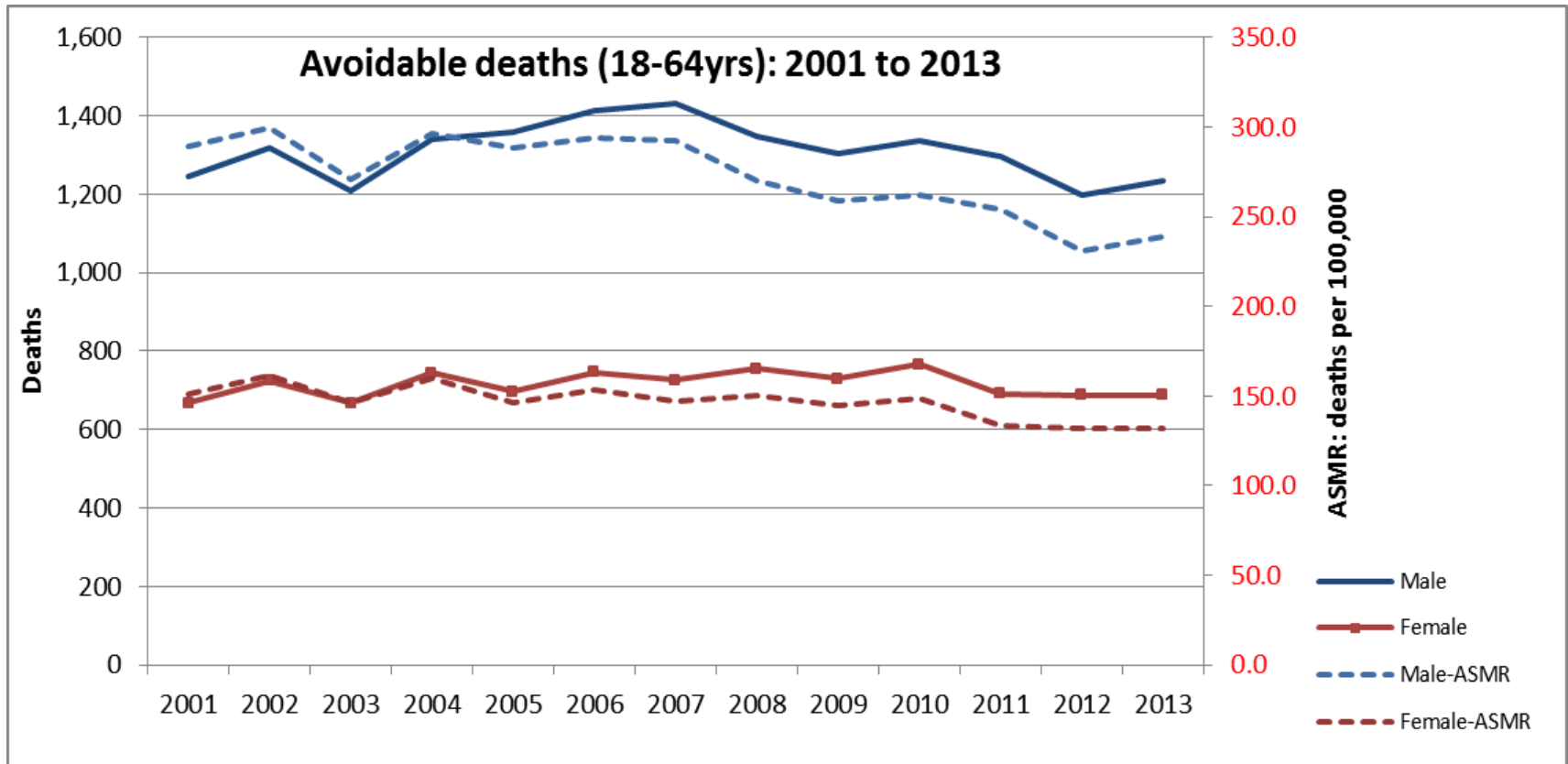
(2013)  
Total Female deaths = 1,004;  
Avoidable = 688



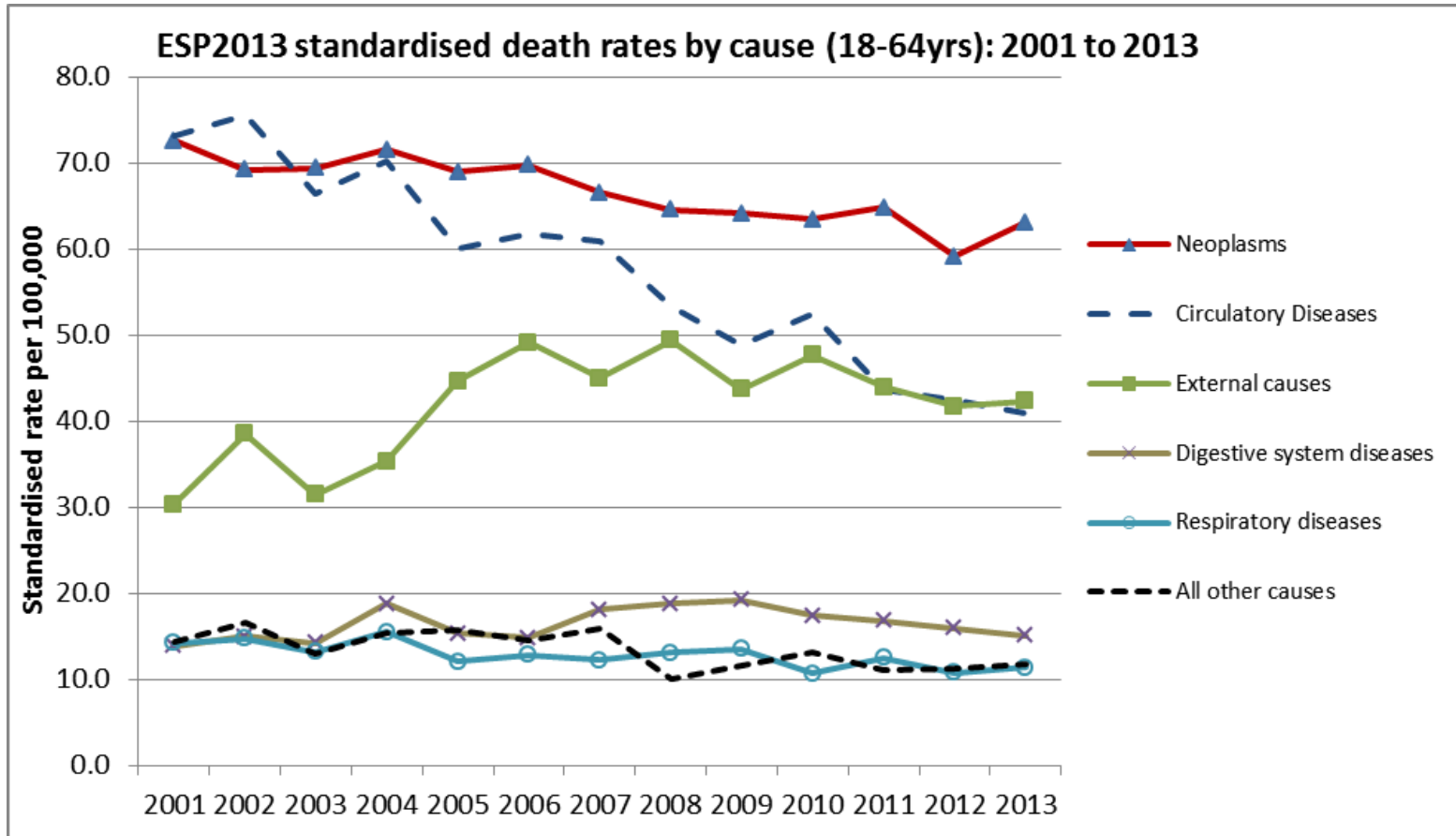
# Potentially Avoidable Deaths in those aged 18-64yrs: NI 2001-13



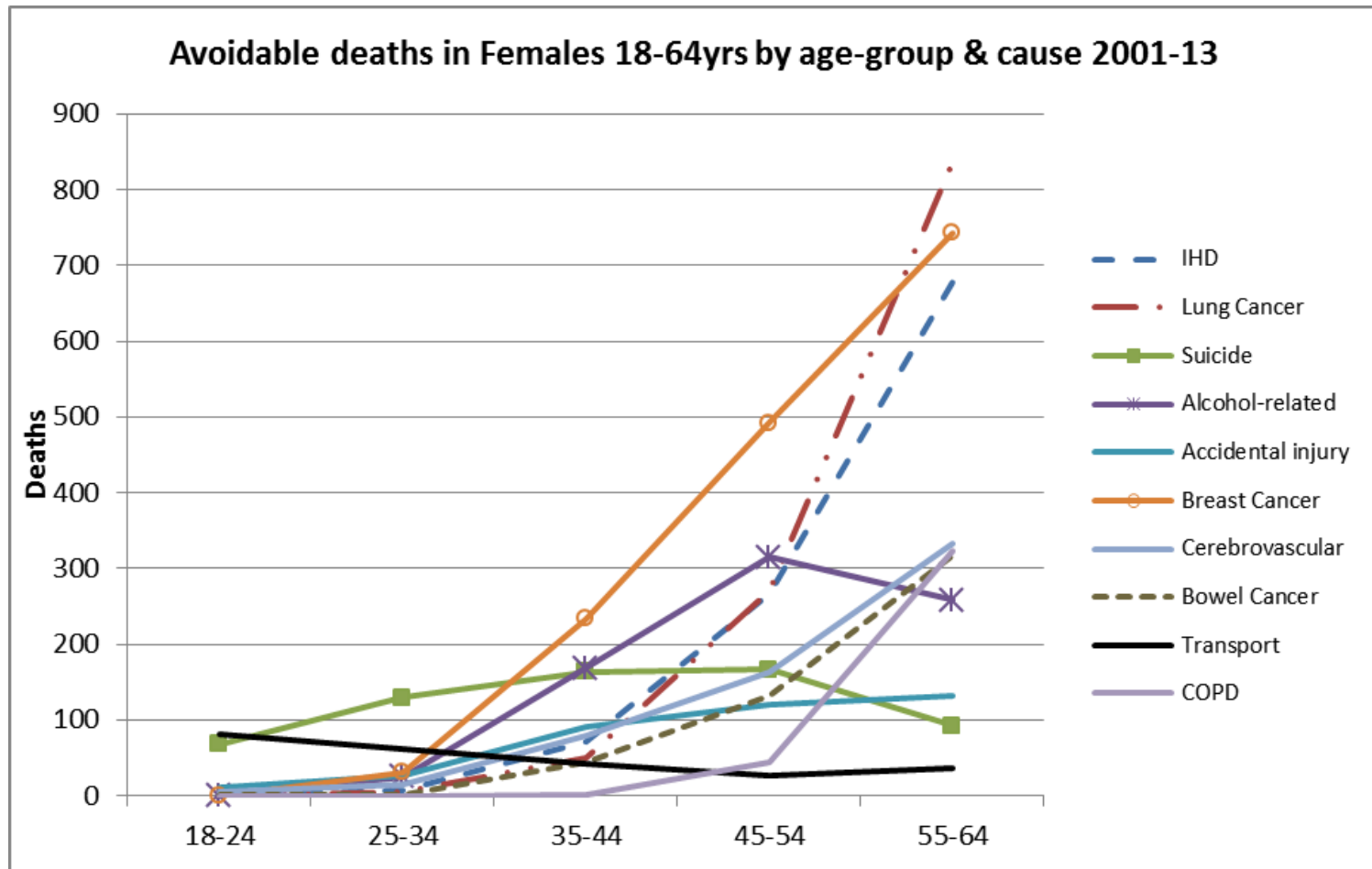
# Trends in Avoidable deaths by Gender – actual numbers vs standardised rates



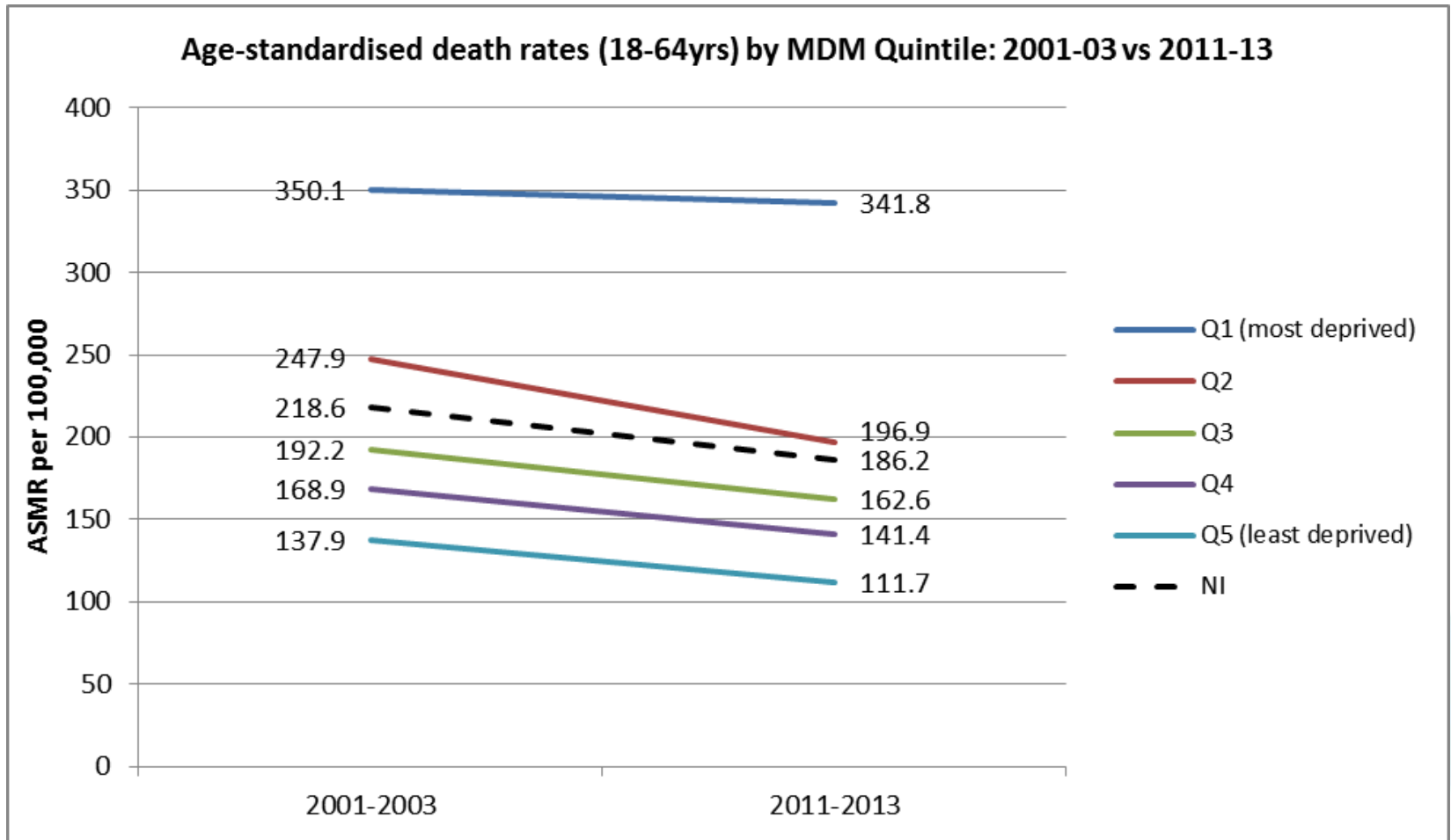
# Trends in age-standardised rates by major causes of death



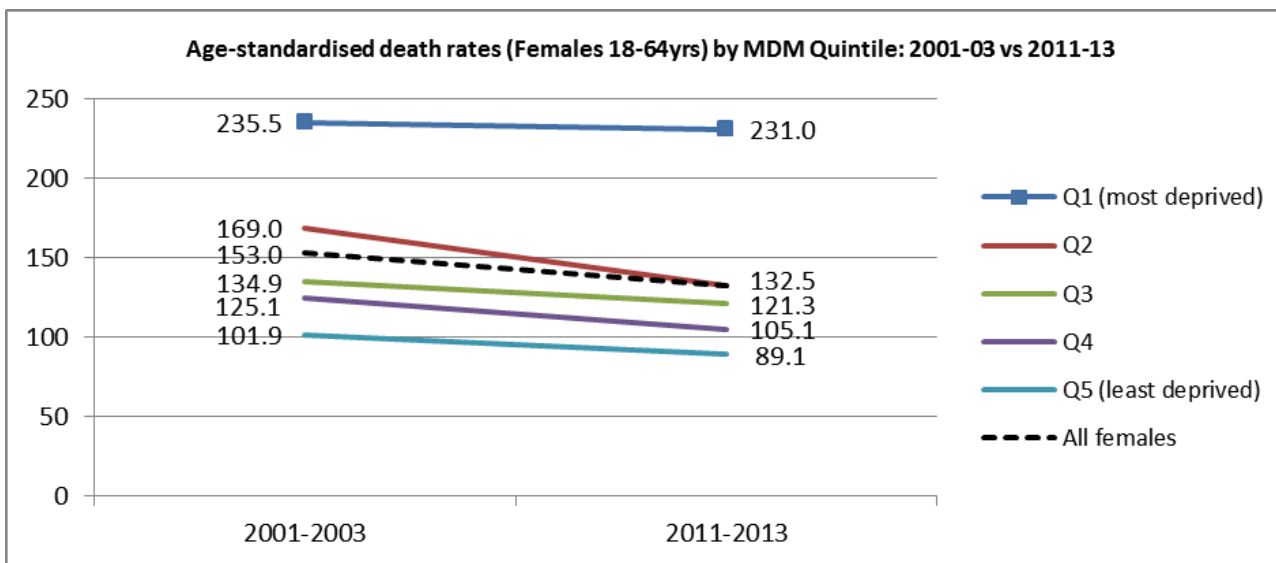
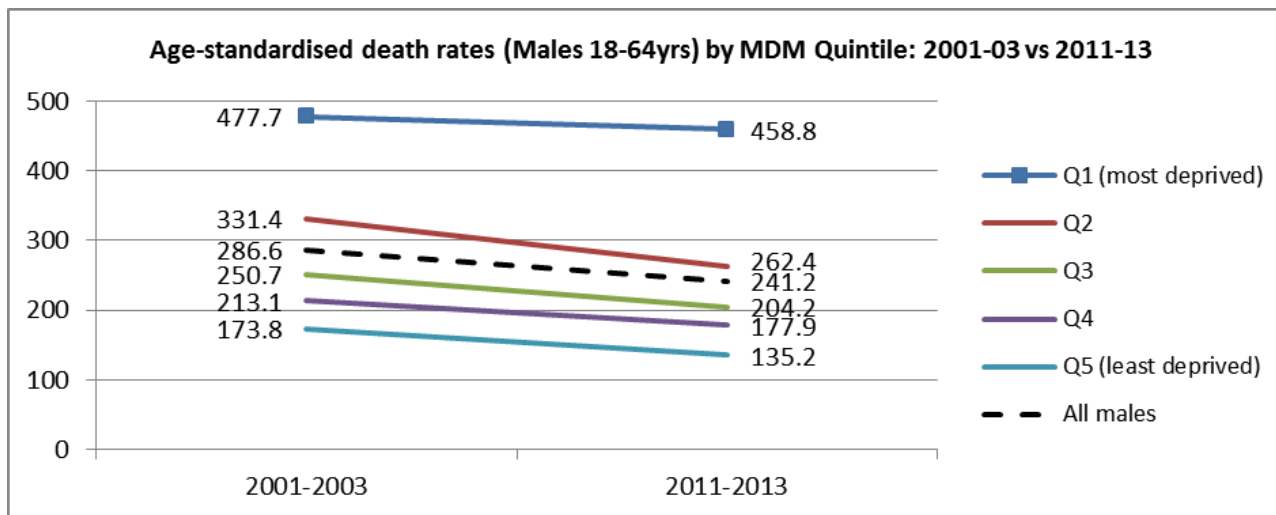
# Avoidable deaths (18-64yrs) by Age-Group & Cause:



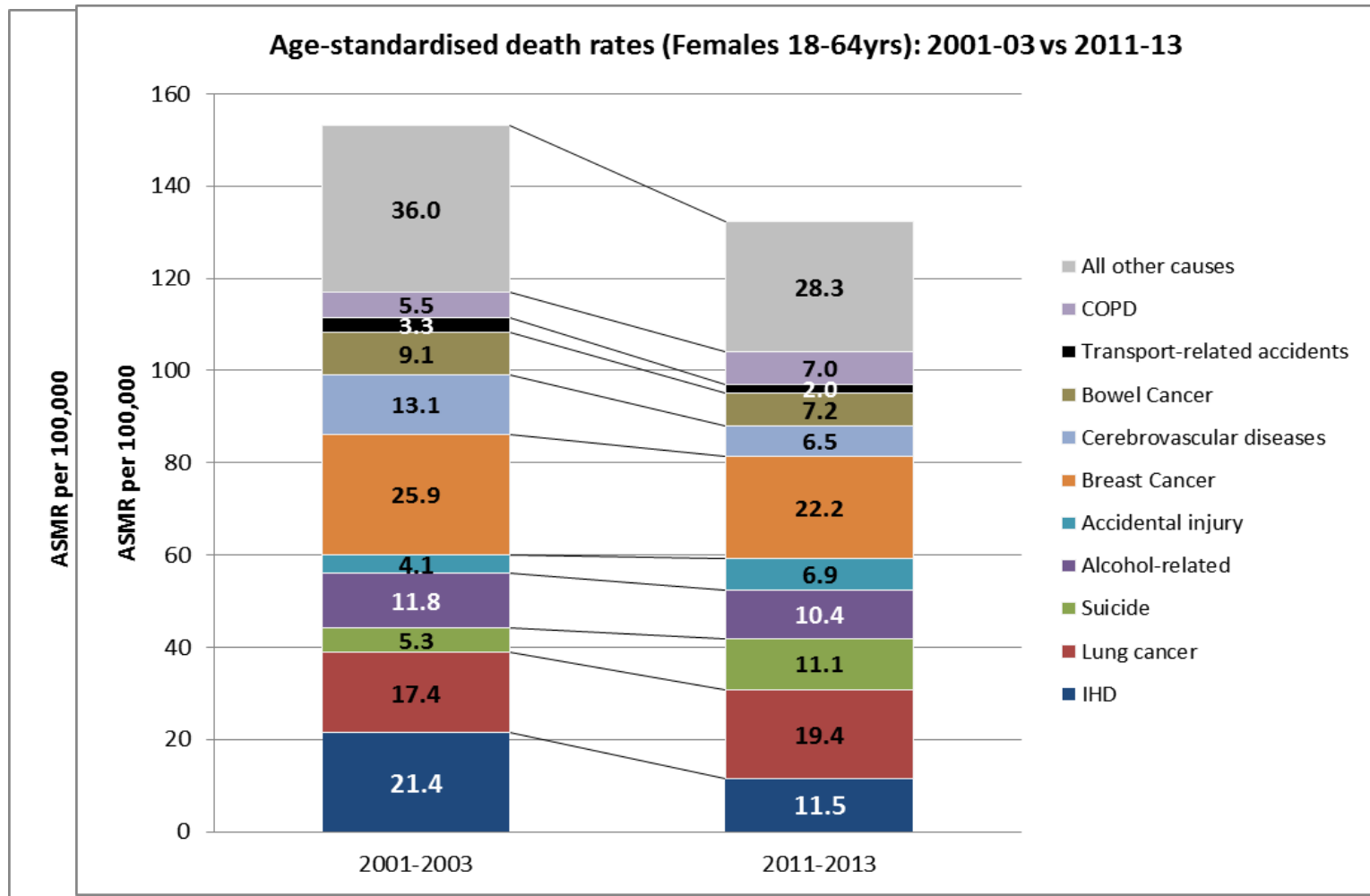
# Standardised death rates by Deprivation Quintile: 2001-03 vs 2011-13



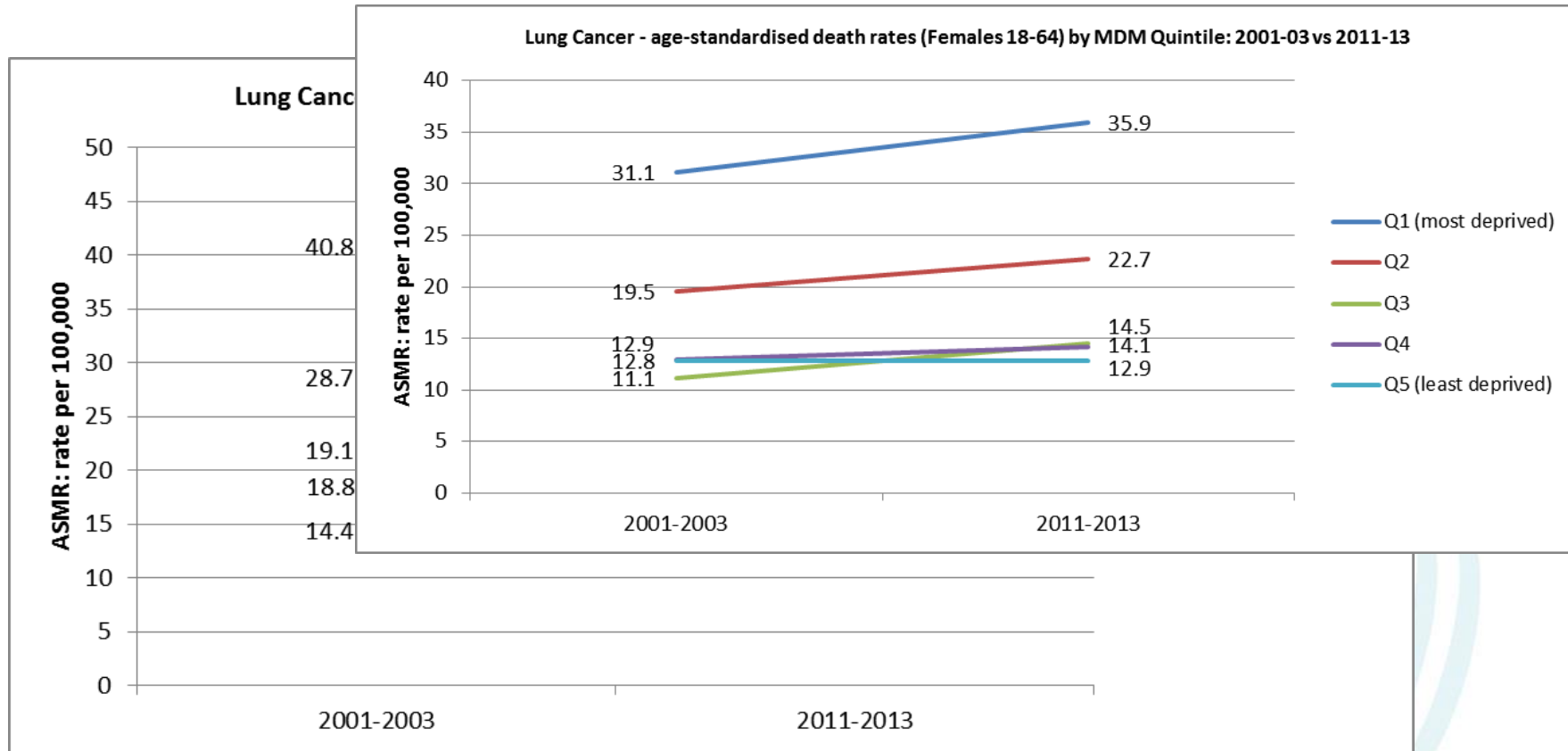
# Standardised death rates: Male vs Female 2001-03 to 2011-13



# ASMR (18-64yrs) by Gender & Cause: 2001-03 vs 2011-13



# Lung Cancer: Age-standardised death rates by Deprivation Quintile





## Acknowledgements

Thanks to GRO/NISRA for the provision of the deaths data.

Thanks to ONS (Eng&Wales) for allowing the use of their age-standardisation template calculator.

I would also like to thank my colleague Elaine Wilmot (Health Intelligence) for her work in putting together the original deaths database.



# Health Intelligence briefing

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