























	Cost per death averted	Cost per life year	Cost per QALY (mortality effects)	Cost per QALY
Qol associated with LYs	-	1	Norms	Based on burden
Qol during disease	-	0	0	Based on burden
YLL per death averted	-	4.5 YLL	4.5 YLL	4.5 YLL
QALYs per death averted	-	4.5 YLL	3.8 QALY	12.7 QALY
11 PBCs (with mortality)	£105,872	£23,360	£28,045	£8,308
All 23 PBCs				£12,936

## The expected health opportunity costs of £10m?

	Change in spend	Additional deaths	LY lost	Total QALY lost	Due to premature death	Quality of life effects
Totals	10 (£m)	51	233	773	150	623
Cancer	0.45	3.74	37.5	26.3	24.4	1.9
Circulatory	0.76	22.78	116.0	107.8	73.7	34.1
Respiratory	0.46	13.37	16.1	229.4	10.1	219.3
Gastro-intestinal	0.32	2.62	24.7	43.9	16.2	27.7
Infectious diseases	0.33	0.72	5.3	15.7	3.6	12.1
Endocrine	0.19	0.67	5.0	60.6	3.2	57.3
Neurological	0.60	1.21	6.5	109.1	4.3	104.8
Genito-urinary	0.46	2.25	3.3	10.6	2.1	8.5
Trauma & injuries*	0.77	0.00	0.0	0.0	0.0	0.0
Maternity & neonates*	0.68	0.01	0.4	0.2	0.2	0.1
Disorders of Blood	0.21	0.36	1.7	21.8	1.1	20.7
Mental Health	1.79	2.83	12.8	95.3	8.3	87.0
Learning Disability	0.10	0.04	0.2	0.7	0.1	0.6
Problems of Vision	0.19	0.05	0.2	4.2	0.2	4.1
Problems of Hearing	0.09	0.03	0.1	14.0	0.1	13.9
Dental problems	0.29	0.00	0.0	6.8	0.0	6.8
Skin	0.20	0.24	1.1	1.9	0.7	1.2
Musculo skeletal	0.36	0.39	1.8	23.2	1.2	22.1
Poisoning and AE	0.09	0.04	0.2	0.8	0.1	0.7
Healthy Individuals	0.35	0.03	0.2	0.7	0.1	0.6
Social Care Needs	0.30	0.00	0.0	0.0	0.0	0.0
Other (GMS)	1.01	0.00	0.0	0.0	0.0	0.0





## Life years associated with reductions in mortality

the additional life-years associated with any reduction in the rate of mortality

No assumption needed for the cost per QALY reported in Claxton 2015

Costs per life year reported in Claxton et al 2015 assumed that avoiding mortality (with a minimum survival benefits of 2 years on average) returns patients to the mortality risk of the general population matched for age and gender

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## Elicitation. Aims Elicitation: your beliefs expressed in a numerical form. may be things that you already have opinions on but others will require some deep thinking. It does not mean that you are expected to know the answer to all questions. If you are unsure about (or don't know the answer to) a question you should still answer it. Just express how uncertain you are about it in your response You will be asked to give your opinion individually (not in groups), so please try and interact the least possible with colleagues. The information you provide, including any personal details, will be kept anonymous and confidential, stored securely and only accessed by those carrying out the study.

Elicitation. Experts
We elicited from individuals with substantial expertise in particular clinical areas – clinical experts. Disease areas: those where the uncertainties have more influence on overall estimates of health opportunity costs
overall estimates of health opportunity costs.
Clinical areas from which
clinical experts are drawn
Circulatory
Respiratory
Gastrointestinal
Neurological
Mental health
Endocrinology
Musculoskeletal
Primary care 18













How are you going to express your answers								
Try it yourself!								
In 2015 how ma	i, for every 1,000 wo	omen aged 15-44 resident in Eng and were aged under 16 years o	land and Wales, old?					
	My best guess	I am very certain (90% certain) th	nat					
	for the value of this quantity is:	higher than: lower tha	n:					
			25					









We will ask you to consider disease areas such as 'problems of the respiratory system' or 'problems of the musculoskeletal system'. Each disease area is broad and in Appendix 1 you will find the ICD codes that define them.

The answers we need should consider the ICDs within a disease area where a change in expenditure is more likely to fall.

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Training on A.

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## A. Duration of mortality effects If, in a particular year, NHS expenditure is increased for a specific disease area we expect a lower disease-related mortality rates in that same year. Increasing expenditure in a particular year may, however, also affect the disease-specific mortality rates in subsequent years (of those same individuals or other individuals being cared for in the future). PBC mortality rate 50% Reduction in mortality 2 1 3 4 burden ... Time, years ↑ Increase in spend, all else remaining unchanged 31











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Training on **B**.

































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D1. Of those patients that have seen their deaths averted by at least 3 years, 2 years and 1 year, what proportion is likely to return to (or exceed) the life expectancy of the general population of the same age and gender?









Thank you so much for participating

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