

Figure 1s. Expected number of radical treatment courses for head and neck cancer delivered by English radiotherapy centres based on number of radical treatments within each centre and same proportion of head and neck cancer treatments as seen in the study cohort.

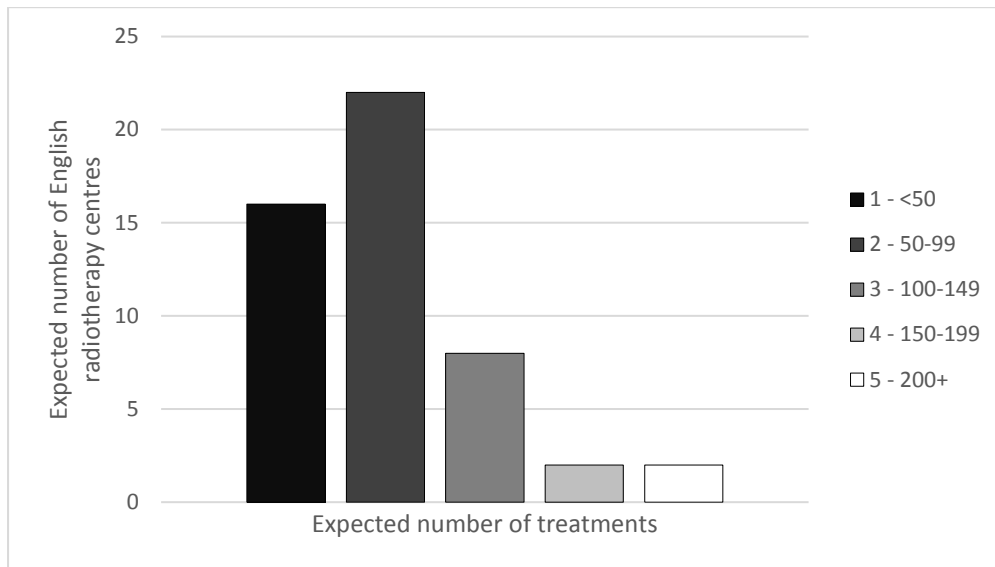


Table 1s. Allocation of ICD-10 coded diagnoses to diagnostic groups for analysis.

Diagnostic group	ICD-10 codes
H+N	C00-C14
	C30-C32
Oesophageal	C15
Colorectal	C17-C20
Anal	C21
Lung	C33-C34
Breast	C50
Prostate	C61
Bladder	C65-C67
Brain	C70-C71
Cervical	C53
Sarcoma	C40-41
	C46-C47
	C49
	C72
Uterine	C54-C55
Other	C16
	C22-C24
	C25
	C26
	C37-C39
	C43
	C45
	C48
	C51-C52
	C56
	C57
	C60
	C62-C64
	C68-C69
	C73
	C74-C77
	C78-C80
Skin	C44
Haematological	C42
	C81-C85
	C88
	C90-C92
	C95-C96

Table 2s. Sample sizes required for varying levels of power to identify outlying outcomes given differing levels of acceptance of false positives (type I errors).

Type I error rate α	Power (1- β)			
	60%	70%	80%	90%
0.025	173	234	318	454
0.05	130	183	257	381
0.1	87	131	195	304