



Public Health
England

Protecting and improving the nation's health

Radiotherapy activity across England

National Cancer Registration and Analysis Service (NCRAS)

About Public Health England

Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-class science, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health, and are a distinct delivery organisation with operational autonomy to advise and support government, local authorities and the NHS in a professionally independent manner.

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Introduction

Radiotherapy has been used in the treatment of cancer and some non-cancerous conditions for more than 100 years. It is the use of high-energy ionising radiation such as x-rays, gamma rays, electrons, neutrons, protons and other sources to cure or relieve symptoms of cancer and reduce the chance of cancer returning after surgery. Technological advances in tumour visualisation and radiotherapy treatment delivery has, and continues to, reduce the side effects of radiotherapy treatments. Half of all cancer patients will have some form of radiotherapy included in their treatment management. Radiotherapy contributes to 40% of all cured cancers.

The Radiotherapy Dataset (RTDS) is a data standard that requires all NHS Acute Trust providers of radiotherapy services in England to collect and submit standardised data monthly against a nationally defined dataset. The purpose of the standard is to collect consistent and comparable data across all NHS Acute Trust providers of radiotherapy services in order to provide intelligence for service planning, commissioning, clinical practice, research and the operational provision of radiotherapy services.

The National Cancer Registration and Analysis Service (NCRAS) assumed responsibility for the RTDS in England in April 2016. This report provides an overview of radiotherapy episodes collated as part of the RTDS from radiotherapy episodes from April 2009 to March 2016 across England for patients who were treated in one of the English NHS radiotherapy centres. From April 2009 to March 2016 the RTDS was collected by the National Clinical Analysis and Specialised Applications Team (NATCANSAT).

Background

The use of radiotherapy depends on a range of factors including the tumour type, location and stage, as well as the overall health of the patient. Radiotherapy can be used in combination with other treatments such as surgery, chemotherapy and hormone therapy.

Radical radiotherapy is used when the aim of treatment is to cure a cancer. It can be delivered as a single treatment or delivered in small daily doses (fractions) over a number of weeks up to a seven week period. Palliative radiotherapy is used when the aim is to relieve the symptoms of a cancer. Treatment can be delivered as a single treatment or over a one to three week period of time. Several techniques are used in the delivery of radiotherapy treatment one of which is Intensity Modulated Radiotherapy (IMRT). IMRT shapes the radiotherapy beams and allows different doses of radiotherapy to be given to different parts of the treatment area.

Radiotherapy can be given externally from outside of the body or internally from within the body. External radiotherapy can be administered by several different types of radiotherapy machines that work in different ways. For most cancers, radiotherapy is given as an outpatient from Monday to Friday, with a rest at the weekend using machines called linear accelerators (LinAcs). External beam radiotherapy provides the focus for this report.

Scope

The dataset collected is mandated through information standard SCCI0111. Assurance that this information standard meets the requirements of the Act and is appropriate for the use specified in the specification document, this has been provided by NHS Digital (formerly the Health and Social Care Information Centre).

This information standard comprises the following documents:

- Requirements Specification
- Change Specification
- Implementation Guidance (this document)

An Information Standards Notice (SCCI0111 Amd 13/2015) has been issued as a notification of use and implementation timescales. Please read this alongside the documents for the standard. The controlled versions of these documents can be found on the [NHS Digital website](#).

Methodology

This report includes radiotherapy episodes from April 2009 to March 2016 across England for patients who were treated in one of the English NHS radiotherapy centres.

Radiotherapy activity is measured in episodes. A radiotherapy episode is a continuous period of care for radiotherapy including all preparation, planning and delivery of radiotherapy. Patients can have multiple episodes.

These analyses include radiotherapy episodes delivered to cancer and non-cancer patients combined until page 158, where episodes have been broken down into prostate (C61), breast (C50), lung (C33-C34), colorectal (C18-C20) and all cancers (C00-C97 exc C44).

Not all patients have a valid or English postcode and, as such, the sum of episodes by Strategic Clinical Network (SCN) and Clinical Commissioning Group (CCG) will be lower than the sum of episodes treated in an English radiotherapy centre and lower than the sum of episodes treated in an English radiotherapy centre where the patient resides in England.

There were missing values for a patients age that mainly affected 2009/10 and 2010/11. To resolve this issue, and to ensure age specific analysis was not compromised, the RTDS was linked to the English National Cancer Online Registration Environment (EnCORE) and the patient's date of birth was used to re-calculate a patient's age when they started radiotherapy treatment.

Populations

To calculate the crude and the age standardised rates per 100,000 population, England level populations from 2009 to 2015 were used. However, 2015 populations by SCN and CCG were not published when this report was produced, and, as such, 2014 populations were rolled forward and used in the denominator for 2015/16.

Crude rate (unadjusted)

A crude rate is calculated by dividing the total number of events in a specific time period by the total number of individuals in the population and multiplying by 100,000:
(Numerator/denominator * 100,000)

Age-standardised rate (ASR)

The method of age standardisation used was to produce the theoretical rate of radiotherapy events that would occur if the observed age specific rate of radiotherapy events were applied in a standard population. In this report, the 2013 European Standard Population was used.

Note: To identify statistical significance the following colours have been used:

Green denotes statistically significantly higher than the England or SCN average.

Red denotes statistically significantly lower than the England or SCN average.
--

Amber denotes no statistically significant difference.
--

Intensity modulated radiotherapy (IMRT)

The percentage of IMRT episodes by CCG was calculated for 2014/15 and 2015/16 as treatment intent only became mandatory in April 2014.

Numerator: A count of the number of new episodes that received IMRT where the treatment intent was radical and the episode contains a delivery OPCS code of X671 – excludes brachytherapy, non-melanoma skin (C44) and breast cancer (C50 and D05).

Denominator: A count of the number of new episodes where the treatment intent was radical – excludes brachytherapy and non-melanoma skin (C44).

Radiotherapy episodes by year

Table 1: Radiotherapy episodes (persons) per 100,000 population, England

Financial Year	Total Episodes ¹	England Episodes ²	England Population	Per 100,000 Population (crude) ³
2009/10	120,950	120,663	52,196,381	231.7
2010/11	125,024	124,640	52,642,452	237.5
2011/12	130,315	129,932	53,107,169	245.4
2012/13	129,695	129,301	53,493,729	242.4
2013/14	132,327	131,962	53,865,817	245.7
2014/15	134,112	133,727	54,316,618	246.9
2015/16	133,498	133,117	54,786,327	243.7

As populations increase year on year, the number of episodes per year is not an accurate measure of whether radiotherapy activity is changing over time. For this reason, episodes per 100,000 population is used.

¹ Total Episodes treated in an English radiotherapy centre (including non-English patients)

² Total Episodes treated in an English radiotherapy centre where the patient resides in England

³ Episodes treated in an English radiotherapy centre where the patient resides in England / England populations *100,000

Figure 1: Number of radiotherapy episodes (persons) treated in England

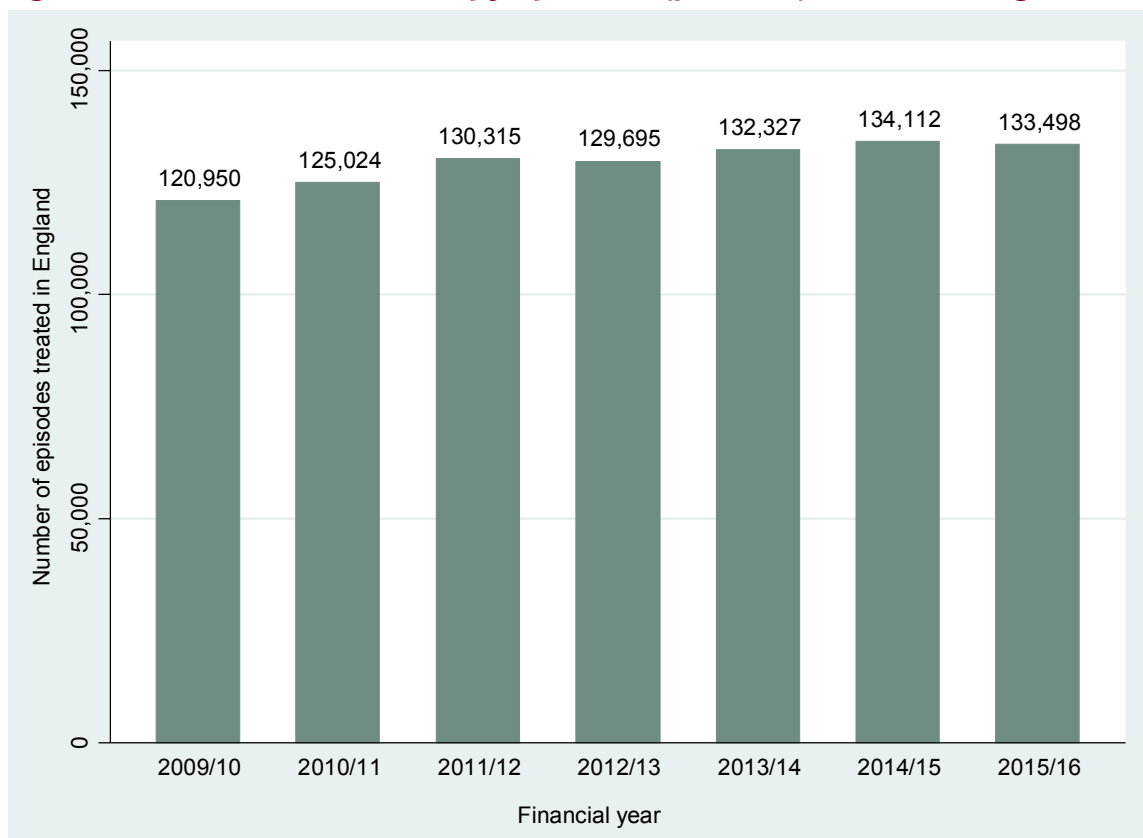


Figure 2: Number of radiotherapy episodes (persons) treated in England where the patient resides in England

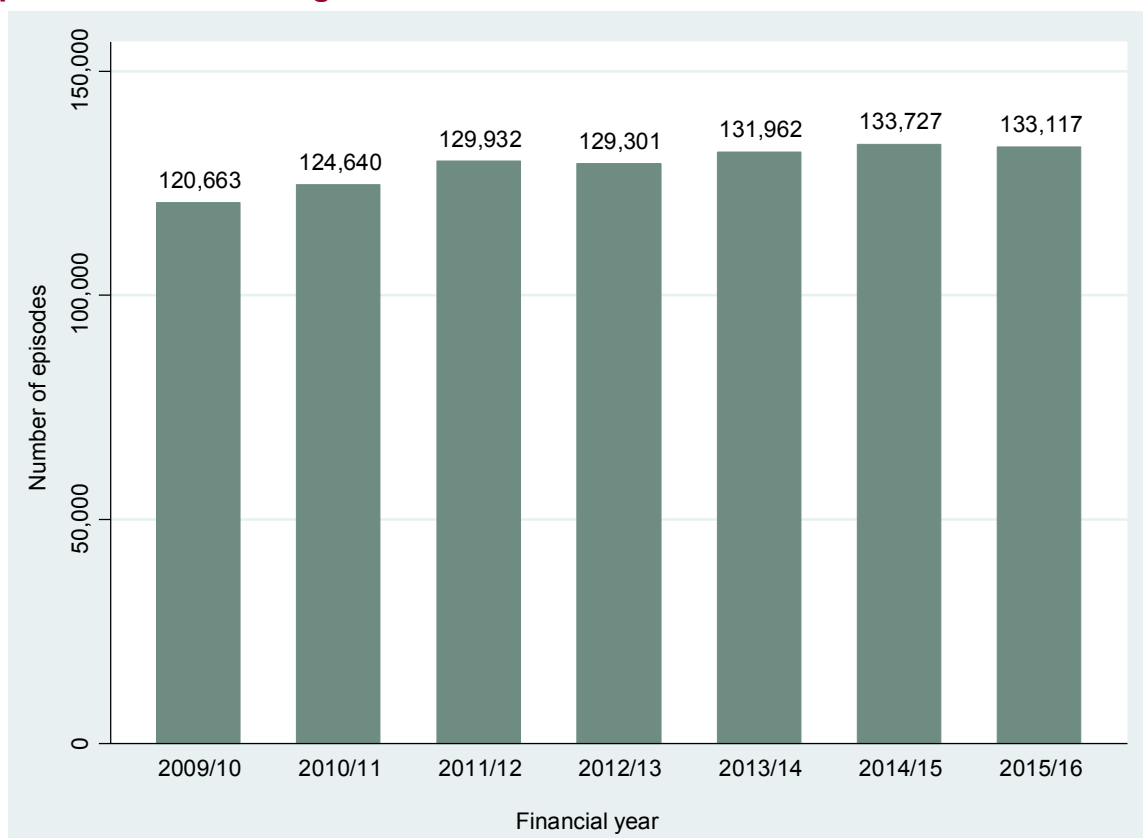


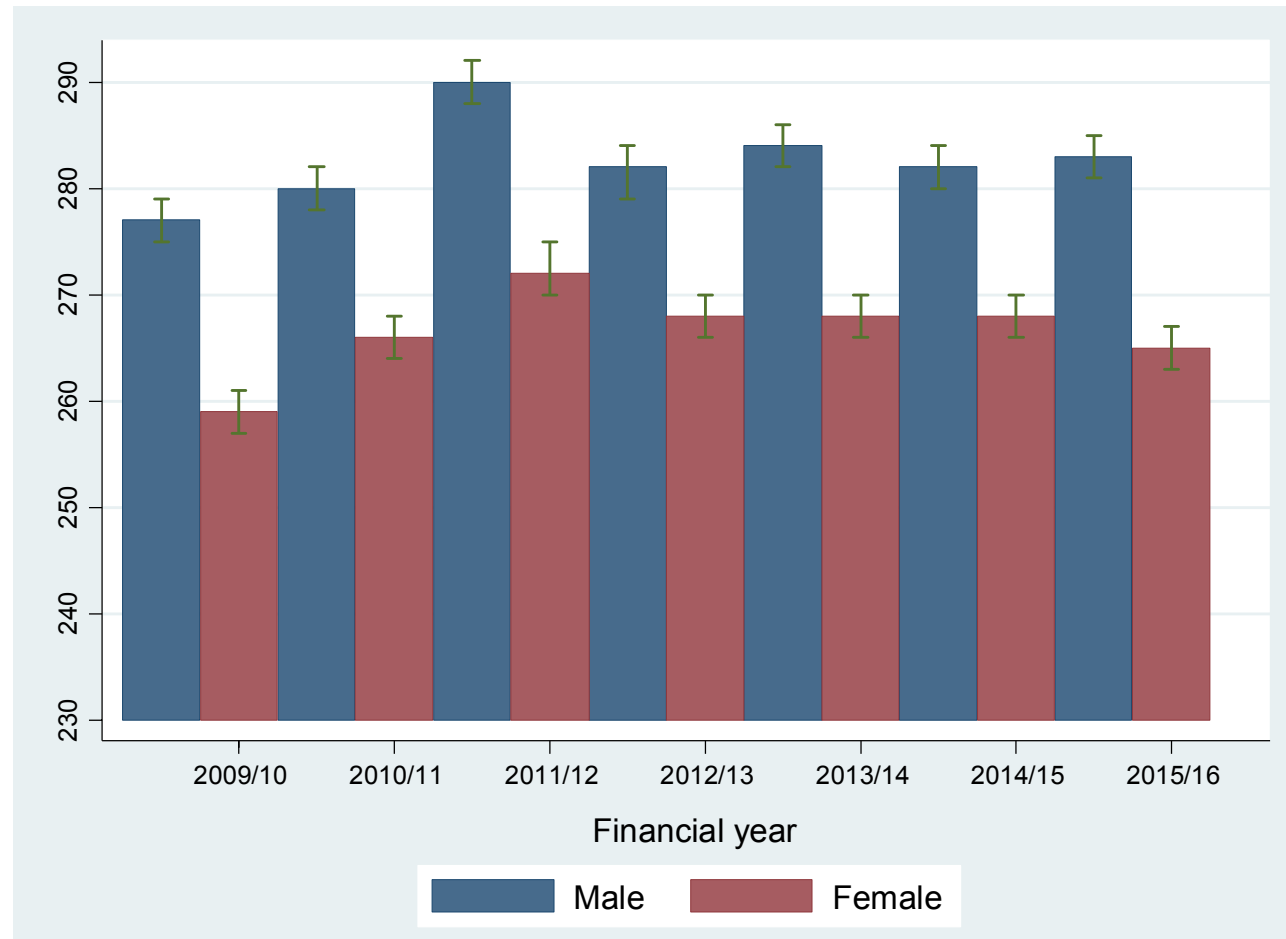
Figure 3: Number of radiotherapy episodes (persons) per 100,000 population (crude), treated in England where patients resides in England



Table 2: Age standardised rates (with 95% confidence intervals) per 100,000 population in England

Gender	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Males	277 (275 - 279)	280 (278 - 282)	290 (288 - 292)	282 (279 - 284)	284 (282 - 286)	282 (280 - 284)	283 (281 - 285)
Females	259 (257 - 261)	266 (264 - 268)	272 (270 - 275)	268 (266 - 270)	268 (266 - 270)	268 (266 - 270)	265 (263 - 267)

Figure 4: Age standardised rates per 100,000 population in England



These rates do not show radiotherapy uptake amongst patients diagnosed with cancer.

These rates are radiotherapy episodes delivered between 2009/10 and 2015/16

Number, Crude and ASR's of episodes by SCN, year and gender

Table 3: Number of radiotherapy episodes by SCN, financial year, males

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Cheshire and Merseyside	2,991	3,127	3,188	3,256	3,298	3,437	3,314	22,611
East Midlands	3,221	3,686	4,030	3,873	4,092	4,124	4,077	27,103
East of England	7,919	8,003	8,226	8,044	8,308	8,057	8,289	56,846
Greater Manchester, Lancashire and South Cumbria	4,401	4,561	4,915	4,755	5,147	5,034	4,997	33,810
North and East London	2,043	2,186	2,416	2,420	2,360	2,408	2,388	16,221
North West and South London	4,600	4,477	4,579	4,453	4,612	4,697	4,732	32,150
Northern England	3,536	3,482	3,741	3,915	3,943	4,103	4,242	26,962
South East coast	5,091	5,098	5,303	5,326	5,405	5,847	5,737	37,807
South West	5,837	6,166	6,438	6,353	6,424	6,472	6,382	44,072
Thames Valley	1,998	2,183	2,358	2,198	2,257	2,231	2,344	15,569
Wessex	3,138	3,290	3,401	3,386	3,455	3,641	3,767	24,078
West Midlands	5,793	5,845	5,988	5,978	6,443	6,413	6,136	42,596
Yorkshire and The Humber	5,844	5,897	6,264	6,530	6,555	6,643	6,818	44,551
Total	56,412	58,001	60,847	60,487	62,299	63,107	63,223	424,376

Table 4: Crude number of radiotherapy episodes per 100,000 population by SCN, males

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
England	222	226	235	232	237	238	239
Cheshire and Merseyside	257	267	271	276	279	290	279
East Midlands	200	227	246	235	246	246	243
East of England	241	241	245	238	244	234	240
Greater Manchester, Lancashire and South Cumbria	216	223	238	229	247	240	238
North and East London	137	144	155	153	146	146	145
North West and South London	189	182	183	176	180	181	183
Northern England	223	219	234	244	245	255	263
South East coast	241	238	245	244	246	263	258
South West	264	277	288	282	282	282	278
Thames Valley	203	218	235	217	221	216	227
Wessex	241	251	257	253	257	269	278
West Midlands	212	213	216	214	230	227	217
Yorkshire and The Humber	214	215	226	235	234	236	243

In males, radiotherapy uptake varies by region. For each SCN in England the number of radiotherapy episodes per 100,000 male population ranged from 137 per 100,000 (North and East London) to 264 per 100,000 (South West) in 2009/10. The variation in 2015/16 ranged from 145 per 100,000 (North and East London) to 279 per 100,000 (Cheshire and Merseyside).

Table 5: Age standardised rates per 100,000 population by SCN, males

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
England	277 (275 - 279)	280 (278 - 282)	290 (288 - 292)	282 (279 - 284)	284 (282 - 286)	282 (280 - 284)	283 (281 - 285)
Cheshire and Merseyside	303 (292 - 314)	310 (299 - 321)	310 (299 - 321)	310 (300 - 322)	311 (300 - 322)	317 (306 - 328)	305 (295 - 316)
East Midlands	240 (231 - 248)	267 (258 - 275)	288 (279 - 297)	270 (261 - 279)	280 (272 - 289)	277 (268 - 285)	274 (265 - 282)
East of England	287 (281 - 294)	285 (279 - 291)	288 (282 - 295)	276 (270 - 282)	278 (272 - 284)	264 (258 - 270)	272 (266 - 278)
Greater Manchester, Lancashire and South Cumbria	279 (271 - 288)	283 (275 - 292)	302 (293 - 311)	288 (280 - 296)	306 (298 - 315)	293 (285 - 302)	292 (284 - 301)
North and East London	247 (236 - 258)	259 (248 - 271)	286 (274 - 298)	281 (269 - 293)	265 (254 - 276)	265 (254 - 276)	261 (250 - 272)
North West and South London	317 (308 - 327)	305 (296 - 315)	306 (297 - 316)	291 (282 - 299)	294 (286 - 303)	294 (285 - 303)	297 (288 - 306)
Northern England	252 (244 - 261)	245 (237 - 254)	260 (252 - 269)	268 (260 - 277)	264 (255 - 272)	271 (262 - 279)	279 (271 - 288)
South East coast	277 (269 - 284)	270 (263 - 278)	277 (270 - 285)	273 (265 - 280)	270 (262 - 277)	284 (277 - 292)	279 (272 - 287)
South West	291 (284 - 299)	302 (294 - 310)	311 (303 - 319)	299 (292 - 307)	296 (289 - 304)	291 (284 - 298)	288 (280 - 295)
Thames Valley	274 (262 - 287)	289 (277 - 302)	311 (298 - 324)	281 (269 - 293)	283 (271 - 295)	273 (262 - 285)	288 (276 - 300)
Wessex	270 (260 - 279)	277 (268 - 287)	282 (273 - 292)	274 (265 - 283)	274 (265 - 284)	282 (273 - 291)	295 (285 - 304)
West Midlands	259 (252 - 265)	258 (251 - 264)	261 (254 - 268)	254 (248 - 261)	269 (263 - 276)	264 (257 - 270)	253 (246 - 259)
Yorkshire and The Humber	260 (253 - 267)	258 (252 - 265)	271 (265 - 278)	277 (270 - 284)	273 (267 - 280)	272 (266 - 279)	279 (272 - 286)

Table 6: Number of radiotherapy episodes by SCN, financial year, females

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Cheshire and Merseyside	3,216	3,330	3,482	3,459	3,639	3,654	3,682	24,462
East Midlands	3,735	4,210	4,351	4,474	4,305	4,579	4,474	30,128
East of England	8,683	8,860	9,043	8,800	9,044	8,888	9,012	62,330
Greater Manchester, Lancashire and South Cumbria	4,755	5,088	5,380	5,193	5,437	5,369	5,349	36,571
North and East London	2,551	2,500	2,831	2,709	2,833	3,014	2,925	19,363
North West and South London	5,076	5,059	5,314	5,252	5,151	5,529	5,170	36,551
Northern England	4,314	4,258	4,599	4,405	4,604	4,592	4,701	31,473
South East coast	5,761	5,879	5,919	5,886	5,958	5,966	5,881	41,250
South West	6,427	6,997	6,975	6,942	7,006	6,872	6,868	48,087
Thames Valley	2,238	2,692	2,579	2,623	2,569	2,590	2,602	17,893
Wessex	3,429	3,430	3,756	3,861	3,552	3,855	4,031	25,914
West Midlands	6,690	6,836	6,951	7,013	7,287	7,494	6,949	49,220
Yorkshire and The Humber	6,316	6,403	6,735	7,136	7,225	7,148	7,091	48,054
Total	63,191	65,542	67,915	67,753	68,610	69,550	68,735	471,296

Table 7: Crude number of radiotherapy episodes per 100,000 population by SCN, females

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
England	240	247	254	252	253	255	252
Cheshire and Merseyside	262	270	282	279	293	293	295
East Midlands	225	252	259	264	252	266	260
East of England	255	258	261	252	257	250	253
Greater Manchester, Lancashire and South Cumbria	227	241	254	244	255	251	249
North and East London	167	161	179	168	173	181	176
North West and South London	202	199	207	202	196	209	195
Northern England	261	257	277	265	277	275	282
South East coast	259	262	261	258	259	257	253
South West	279	301	300	296	297	289	289
Thames Valley	221	265	252	254	247	246	248
Wessex	255	253	275	281	257	277	290
West Midlands	238	242	244	245	254	259	240
Yorkshire and The Humber	223	225	235	248	251	247	245

In females, radiotherapy uptake varies by region. For each SCN in England the number of radiotherapy episodes per 100,000 female population ranged from 167 per 100,000 (North and East London) to 279 per 100,000 (South West) in 2009/10. The variation in 2015/16 ranged from 176 per 100,000 (North and East London) to 295 per 100,000 (Cheshire and Merseyside).

Table 8: Age standardised rates per 100,000 population by SCN, females

Strategic Clinical Network	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
England	259 (257 - 261)	266 (264 - 268)	272 (270 - 275)	268 (266 - 270)	268 (266 - 270)	268 (266 - 270)	265 (263 - 267)
Cheshire and Merseyside	269 (259 - 278)	275 (266 - 285)	285 (276 - 295)	279 (270 - 289)	292 (283 - 302)	289 (280 - 299)	292 (282 - 301)
East Midlands	237 (229 - 245)	264 (256 - 272)	269 (261 - 277)	273 (265 - 281)	260 (252 - 268)	272 (264 - 280)	266 (259 - 274)
East of England	269 (263 - 274)	270 (264 - 276)	271 (266 - 277)	260 (254 - 265)	263 (257 - 268)	254 (249 - 260)	258 (253 - 263)
Greater Manchester, Lancashire and South Cumbria	250 (243 - 257)	266 (258 - 273)	278 (271 - 286)	266 (259 - 274)	276 (269 - 283)	270 (263 - 278)	269 (262 - 276)
North and East London	237 (227 - 246)	232 (223 - 242)	257 (248 - 267)	242 (233 - 252)	246 (237 - 255)	257 (248 - 267)	249 (239 - 258)
North West and South London	270 (262 - 278)	265 (258 - 273)	276 (268 - 283)	269 (261 - 276)	258 (251 - 265)	273 (266 - 280)	252 (245 - 259)
Northern England	262 (254 - 269)	255 (248 - 263)	274 (267 - 283)	260 (252 - 268)	269 (261 - 277)	266 (258 - 274)	272 (264 - 280)
South East coast	261 (254 - 268)	263 (256 - 270)	262 (255 - 269)	257 (251 - 264)	257 (250 - 263)	253 (246 - 259)	250 (243 - 256)
South West	275 (268 - 282)	295 (288 - 302)	292 (285 - 299)	286 (280 - 293)	285 (278 - 291)	276 (269 - 283)	276 (269 - 282)
Thames Valley	251 (241 - 262)	298 (287 - 310)	281 (270 - 292)	282 (271 - 293)	270 (260 - 281)	269 (258 - 279)	270 (260 - 281)
Wessex	254 (245 - 263)	248 (240 - 257)	269 (261 - 278)	274 (265 - 283)	250 (242 - 258)	267 (259 - 276)	275 (266 - 283)
West Midlands	255 (249 - 261)	258 (252 - 264)	259 (253 - 266)	259 (253 - 265)	265 (259 - 271)	270 (264 - 276)	250 (244 - 256)
Yorkshire and The Humber	237 (231 - 243)	238 (232 - 244)	248 (242 - 254)	260 (254 - 266)	260 (254 - 266)	255 (249 - 261)	254 (248 - 260)

Number, Crude and ASR's of episodes by SCN, CCG, year and gender

Table 9: Number of radiotherapy episodes in males, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Eastern Cheshire	232	263	296	299	329	311	278	2,008
Halton	128	135	130	126	151	150	155	975
Knowsley	150	187	164	184	195	181	159	1,220
Liverpool	521	541	543	554	536	568	559	3,822
South Cheshire	205	204	203	221	240	288	224	1,585
South Sefton	215	203	192	221	200	202	220	1,453
Southport and Formby	148	136	142	145	148	175	144	1,038
St Helens	183	189	214	172	196	241	251	1,446
Vale Royal	109	122	141	140	159	141	126	938
Warrington	206	217	215	228	219	211	232	1,528
West Cheshire	333	336	375	373	358	371	350	2,496
Wirral	460	498	481	495	460	515	516	3,425
Total	2,890	3,031	3,096	3,158	3,191	3,354	3,214	21,934

Table 10: Crude number of radiotherapy episodes per 100,000 population, males, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Cheshire and Merseyside	257	267	271	276	279	290	279
Eastern Cheshire	245	278	311	314	345	325	290
Halton	212	222	212	205	246	243	251
Knowsley	214	267	237	265	281	259	228
Liverpool	231	237	236	239	230	243	238
South Cheshire	239	236	234	254	275	329	256
South Sefton	278	264	250	288	262	265	288
Southport & Formby	274	251	261	266	271	318	262
St Helens	213	220	248	198	226	277	289
Vale Royal	217	242	281	280	318	282	252
Warrington	208	216	214	226	215	206	227
West Cheshire	301	304	339	337	322	332	313
Wirral	302	325	313	321	298	332	334

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Cheshire and Merseyside SCN has been increasing steadily. However, there was a slight reduction in 2015/16. This represents a 9% increase per 100,000 population over seven years.

Table 11: Age standardised rates per 100,000 population, males, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Cheshire and Merseyside	303 (292 - 314)	310 (299 - 321)	310 (299 - 321)	310 (300 - 322)	311 (300 - 322)	317 (306 - 328)	305 (295 - 316)
Eastern Cheshire	255 (223 - 290)	283 (250 - 320)	310 (276 - 348)	307 (273 - 345)	330 (295 - 368)	306 (273 - 343)	275 (244 - 310)
Halton	267 (221 - 322)	284 (237 - 341)	262 (217 - 314)	245 (203 - 295)	286 (241 - 339)	281 (237 - 333)	289 (244 - 342)
Knowsley	271 (228 - 321)	325 (279 - 379)	284 (241 - 333)	318 (273 - 370)	338 (291 - 391)	307 (263 - 357)	270 (229 - 317)
Liverpool	328 (300 - 359)	333 (305 - 364)	327 (299 - 357)	331 (303 - 361)	319 (292 - 348)	335 (308 - 365)	329 (302 - 358)
South Cheshire	273 (236 - 315)	266 (230 - 307)	257 (223 - 297)	274 (238 - 313)	286 (251 - 326)	337 (299 - 379)	262 (228 - 299)
South Sefton	314 (273 - 361)	295 (255 - 340)	277 (239 - 321)	311 (271 - 356)	284 (246 - 328)	280 (242 - 322)	301 (262 - 345)
Southport & Formby	259 (218 - 305)	230 (193 - 274)	236 (198 - 279)	237 (200 - 281)	241 (203 - 285)	284 (243 - 331)	233 (196 - 276)
St Helens	245 (209 - 286)	242 (208 - 282)	274 (238 - 315)	209 (179 - 245)	246 (212 - 285)	301 (264 - 344)	302 (266 - 343)
Vale Royal	267 (218 - 325)	281 (232 - 339)	308 (258 - 366)	304 (255 - 361)	350 (296 - 411)	294 (247 - 349)	263 (218 - 315)
Warrington	273 (236 - 315)	270 (234 - 311)	261 (227 - 300)	268 (234 - 307)	252 (219 - 290)	243 (211 - 280)	261 (228 - 298)
West Cheshire	325 (291 - 363)	330 (295 - 368)	360 (324 - 399)	352 (317 - 390)	332 (298 - 369)	335 (301 - 371)	315 (282 - 350)
Wirral	332 (303 - 365)	352 (321 - 384)	332 (303 - 364)	340 (311 - 372)	313 (285 - 344)	336 (307 - 367)	345 (316 - 377)

Table 12: Number of radiotherapy episodes in females, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Eastern Cheshire	287	334	332	328	312	351	334	2,278
Halton	127	132	191	156	153	202	148	1,109
Knowsley	209	176	210	199	256	190	235	1,475
Liverpool	526	572	580	565	589	620	656	4,108
South Cheshire	202	233	182	228	295	253	219	1,612
South Sefton	207	209	258	240	253	249	235	1,651
Southport and Formby	166	148	169	189	174	173	198	1,217
St Helens	216	233	277	222	244	258	241	1,691
Vale Royal	144	105	135	169	146	142	161	1,002
Warrington	247	286	298	282	260	255	278	1,906
West Cheshire	323	358	340	317	418	357	370	2,483
Wirral	470	454	439	464	454	528	515	3,324
Total	3,124	3,240	3,411	3,359	3,554	3,578	3,590	23,856

Table 13: Crude number of radiotherapy episodes per 100,000 population, females, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Cheshire and Merseyside	262	270	282	279	293	293	295
Eastern Cheshire	290	336	333	328	311	348	331
Halton	200	205	297	242	237	311	227
Knowsley	271	229	274	260	334	247	306
Liverpool	226	245	246	238	247	259	275
South Cheshire	228	262	204	254	328	281	243
South Sefton	248	251	311	290	307	302	285
Southport & Formby	278	248	283	316	292	289	331
St Helens	242	261	311	248	272	286	267
Vale Royal	276	202	260	324	281	273	310
Warrington	245	282	292	275	251	245	267
West Cheshire	277	307	291	270	354	301	311
Wirral	284	274	264	278	273	318	309

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Cheshire and Merseyside SCN has been increasing steadily between 2009/10 and 2015/16 with a slight reduction in 2012/13. This represents a 13% increase per 100,000 population over seven years.

Table 14: Age standardised rates per 100,000 population, females, Cheshire and Merseyside SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Cheshire and Merseyside	269 (259 - 278)	275 (266 - 285)	285 (276 - 295)	279 (270 - 289)	292 (283 - 302)	289 (280 - 299)	292 (282 - 301)
Eastern Cheshire	266 (236 - 300)	306 (273 - 341)	304 (272 - 339)	295 (263 - 329)	278 (248 - 312)	307 (275 - 341)	288 (257 - 321)
Halton	217 (181 - 259)	222 (185 - 264)	314 (270 - 362)	259 (220 - 304)	249 (211 - 293)	323 (279 - 371)	239 (201 - 281)
Knowsley	297 (258 - 341)	247 (212 - 287)	290 (252 - 333)	276 (239 - 318)	345 (304 - 391)	256 (221 - 296)	324 (284 - 369)
Liverpool	266 (244 - 290)	288 (265 - 313)	293 (270 - 318)	278 (255 - 302)	293 (270 - 318)	302 (279 - 328)	322 (298 - 348)
South Cheshire	232 (201 - 266)	267 (233 - 304)	203 (175 - 236)	247 (216 - 282)	318 (283 - 357)	271 (238 - 307)	236 (205 - 270)
South Sefton	242 (210 - 278)	242 (210 - 278)	299 (263 - 338)	273 (239 - 310)	293 (258 - 332)	282 (248 - 320)	271 (237 - 308)
Southport & Formby	243 (207 - 284)	215 (181 - 255)	243 (207 - 284)	266 (229 - 309)	237 (202 - 277)	244 (208 - 286)	276 (238 - 319)
St Helens	246 (214 - 281)	263 (230 - 299)	309 (274 - 348)	245 (214 - 279)	266 (234 - 302)	276 (243 - 312)	262 (230 - 298)
Vale Royal	281 (237 - 332)	206 (169 - 251)	265 (222 - 315)	329 (281 - 383)	273 (231 - 322)	267 (225 - 316)	297 (252 - 347)
Warrington	259 (228 - 294)	295 (262 - 332)	306 (272 - 343)	287 (254 - 322)	259 (229 - 293)	250 (221 - 283)	272 (240 - 306)
West Cheshire	271 (242 - 302)	300 (270 - 333)	279 (250 - 311)	257 (229 - 287)	335 (304 - 369)	284 (255 - 315)	295 (266 - 328)
Wirral	277 (252 - 304)	267 (242 - 293)	254 (230 - 279)	262 (238 - 287)	260 (236 - 285)	298 (273 - 325)	289 (264 - 315)

Table 15: Number of radiotherapy episodes in males, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
East Leicestershire and Rutland	364	380	441	453	470	423	425	2,956
Erewash	90	116	104	79	122	111	126	748
Leicester City	255	280	241	244	297	255	283	1,855
Lincolnshire East	204	214	368	373	361	360	395	2,275
Lincolnshire West	187	229	296	268	313	315	296	1,904
Mansfield & Ashfield	202	244	206	231	210	249	246	1,588
Newark & Sherwood	112	112	138	137	144	144	149	936
Nottingham City	253	262	267	281	300	289	278	1,930
Nottingham North & East	160	155	211	197	211	220	168	1,322
Nottingham West	129	120	136	135	149	146	164	979
Rushcliffe	113	135	134	140	164	139	143	968
South Lincolnshire	112	143	175	203	216	181	209	1,239
South West Lincolnshire	120	98	156	138	180	207	190	1,089
Southern Derbyshire	531	722	717	552	450	608	542	4,122
West Leicestershire	389	476	440	442	505	477	463	3,192
Total	3,221	3,686	4,030	3,873	4,092	4,124	4,077	27,103

Table 16: Crude number of radiotherapy episodes per 100,000 population, males, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East Midlands	200	227	246	235	246	246	243
East Leicestershire & Rutland	234	244	281	287	296	265	265
Erewash	197	252	225	170	262	237	269
Leicester City	161	172	147	148	180	152	168
Lincolnshire East	184	192	331	335	322	319	350
Lincolnshire West	173	209	269	241	278	277	261
Mansfield & Ashfield	216	260	217	243	217	260	257
Newark & Sherwood	202	201	246	242	252	250	257
Nottingham City	171	174	174	180	191	182	175
Nottingham North & East	227	218	293	273	291	301	230
Nottingham West	239	222	251	246	271	264	296
Rushcliffe	208	247	243	253	294	248	255
South Lincolnshire	167	211	257	297	312	258	298
South West Lincolnshire	206	167	264	230	301	342	312
Southern Derbyshire	213	287	283	217	175	235	210
West Leicestershire	215	261	239	238	269	251	243

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the East Midlands SCN has been increasing steadily. However, there was a slight reduction in 2012/13 and 2015/16. This represents a 22% increase per 100,000 population over seven years.

Table 17: Age standardised rates per 100,000 population, males, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East Midlands	240 (231 - 248)	267 (258 - 275)	288 (279 - 297)	270 (261 - 279)	280 (272 - 289)	277 (268 - 285)	274 (265 - 282)
East Leicestershire & Rutland	260 (234 - 289)	267 (240 - 295)	305 (277 - 336)	303 (275 - 333)	309 (281 - 338)	271 (245 - 298)	273 (247 - 301)
Erewash	233 (187 - 289)	292 (241 - 352)	263 (215 - 321)	190 (150 - 239)	294 (244 - 353)	266 (219 - 322)	300 (249 - 358)
Leicester City	273 (240 - 310)	291 (257 - 328)	242 (212 - 276)	246 (215 - 280)	303 (269 - 341)	251 (220 - 285)	287 (253 - 323)
Lincolnshire East	166 (144 - 192)	166 (144 - 191)	282 (254 - 313)	279 (251 - 310)	265 (238 - 295)	264 (238 - 294)	293 (265 - 325)
Lincolnshire West	194 (167 - 225)	233 (203 - 266)	299 (266 - 336)	261 (231 - 295)	300 (268 - 336)	296 (264 - 331)	277 (246 - 311)
Mansfield & Ashfield	253 (219 - 292)	291 (255 - 332)	247 (214 - 285)	271 (237 - 310)	241 (209 - 277)	276 (242 - 313)	277 (243 - 315)
Newark & Sherwood	221 (181 - 268)	212 (174 - 258)	251 (211 - 298)	243 (203 - 288)	246 (207 - 291)	240 (202 - 284)	254 (214 - 299)
Nottingham City	288 (254 - 327)	294 (259 - 333)	295 (260 - 334)	302 (267 - 341)	320 (284 - 360)	312 (276 - 352)	295 (261 - 333)
Nottingham North & East	258 (219 - 303)	245 (208 - 288)	330 (286 - 379)	302 (261 - 349)	317 (276 - 364)	322 (280 - 368)	248 (212 - 290)
Nottingham West	263 (219 - 314)	248 (205 - 298)	279 (233 - 331)	272 (228 - 323)	293 (247 - 345)	277 (234 - 327)	318 (271 - 372)
Rushcliffe	233 (191 - 281)	269 (225 - 319)	266 (222 - 316)	274 (230 - 324)	320 (272 - 373)	260 (218 - 308)	267 (224 - 315)
South Lincolnshire	166 (136 - 200)	205 (173 - 243)	252 (216 - 293)	284 (246 - 327)	296 (257 - 339)	240 (206 - 279)	278 (241 - 319)
South West Lincolnshire	213 (176 - 256)	174 (141 - 213)	266 (226 - 313)	231 (194 - 275)	297 (255 - 345)	332 (288 - 381)	300 (258 - 347)
Southern Derbyshire	271 (248 - 295)	347 (322 - 374)	340 (316 - 367)	257 (235 - 279)	207 (188 - 227)	273 (252 - 297)	240 (220 - 261)
West Leicestershire	258 (233 - 286)	308 (280 - 337)	274 (249 - 302)	272 (246 - 299)	303 (276 - 331)	278 (253 - 304)	273 (249 - 300)

Table 18: Number of radiotherapy episodes in females, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
East Leicestershire and Rutland	406	528	566	465	492	588	454	3,499
Erewash	121	144	120	131	127	153	131	927
Leicester City	343	306	280	334	347	298	334	2,242
Lincolnshire East	249	252	329	359	339	417	366	2,311
Lincolnshire West	211	252	316	333	322	329	325	2,088
Mansfield & Ashfield	203	210	258	273	240	257	271	1,712
Newark & Sherwood	121	162	145	162	174	144	152	1,060
Nottingham City	277	280	303	297	282	344	339	2,122
Nottingham North & East	161	177	183	250	227	215	211	1,424
Nottingham West	162	129	161	171	154	160	178	1,115
Rushcliffe	117	192	139	125	194	158	125	1,050
South Lincolnshire	155	158	210	204	224	222	192	1,365
South West Lincolnshire	157	125	143	219	146	181	219	1,190
Southern Derbyshire	583	745	683	622	525	605	642	4,405
West Leicestershire	469	550	515	529	512	508	535	3,618
Total	3,735	4,210	4,351	4,474	4,305	4,579	4,474	30,128

Table 19: Crude number of radiotherapy episodes per 100,000 population, females, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East Midlands	225	252	259	264	252	266	260
East Leicestershire & Rutland	254	329	350	287	301	358	277
Erewash	254	301	250	272	262	311	268
Leicester City	213	187	168	199	206	175	196
Lincolnshire East	214	215	281	307	289	353	309
Lincolnshire West	185	219	274	286	275	278	274
Mansfield & Ashfield	209	216	264	279	242	259	272
Newark & Sherwood	207	276	246	273	291	239	250
Nottingham City	189	188	200	194	182	221	218
Nottingham North & East	220	240	247	336	302	282	278
Nottingham West	293	233	290	306	274	283	315
Rushcliffe	210	340	246	221	340	274	217
South Lincolnshire	218	220	290	281	305	299	258
South West Lincolnshire	257	203	229	350	232	284	344
Southern Derbyshire	229	290	264	239	200	230	244
West Leicestershire	254	297	276	281	270	265	279

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the East Midlands SCN has been increasing steadily. However, there was a slight reduction in 2013/14 and 2015/16. This represents a 16% increase per 100,000 population over seven years.

Table 20: Age standardised rates per 100,000 population, females, East Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East Midlands	237 (229 - 245)	264 (256 - 272)	269 (261 - 277)	273 (265 - 281)	260 (252 - 268)	272 (264 - 280)	266 (259 - 274)
East Leicestershire & Rutland	250 (227 - 276)	318 (291 - 347)	340 (312 - 369)	270 (246 - 296)	287 (262 - 314)	338 (311 - 367)	258 (234 - 283)
Erewash	269 (223 - 322)	317 (267 - 374)	260 (215 - 311)	278 (232 - 331)	267 (222 - 318)	314 (266 - 369)	272 (228 - 324)
Leicester City	296 (265 - 330)	255 (227 - 287)	236 (208 - 266)	282 (252 - 314)	284 (254 - 316)	238 (211 - 267)	271 (242 - 303)
Lincolnshire East	185 (163 - 211)	189 (166 - 215)	242 (217 - 271)	260 (234 - 290)	246 (220 - 275)	293 (265 - 324)	258 (231 - 286)
Lincolnshire West	190 (165 - 218)	225 (198 - 255)	278 (248 - 311)	289 (258 - 322)	277 (247 - 309)	275 (246 - 307)	272 (243 - 304)
Mansfield & Ashfield	215 (186 - 247)	221 (192 - 253)	267 (235 - 302)	280 (248 - 316)	243 (213 - 276)	258 (227 - 292)	275 (243 - 311)
Newark & Sherwood	201 (167 - 241)	258 (220 - 302)	234 (198 - 276)	259 (220 - 302)	273 (234 - 318)	222 (187 - 262)	235 (199 - 277)
Nottingham City	265 (235 - 299)	265 (235 - 299)	283 (251 - 317)	276 (245 - 310)	255 (226 - 288)	314 (281 - 349)	309 (277 - 345)
Nottingham North & East	225 (192 - 263)	239 (205 - 277)	243 (209 - 282)	328 (289 - 372)	296 (259 - 338)	273 (237 - 312)	272 (236 - 312)
Nottingham West	290 (247 - 339)	229 (191 - 272)	279 (237 - 326)	295 (253 - 344)	263 (223 - 309)	270 (230 - 316)	304 (261 - 353)
Rushcliffe	207 (171 - 249)	338 (292 - 390)	240 (202 - 285)	216 (179 - 258)	323 (279 - 373)	260 (221 - 305)	205 (170 - 245)
South Lincolnshire	203 (172 - 239)	208 (177 - 244)	266 (231 - 305)	253 (219 - 291)	276 (241 - 316)	267 (232 - 305)	231 (199 - 268)
South West Lincolnshire	247 (210 - 290)	195 (163 - 234)	218 (183 - 258)	330 (287 - 378)	218 (184 - 258)	263 (226 - 305)	320 (279 - 366)
Southern Derbyshire	241 (222 - 261)	307 (285 - 330)	277 (257 - 299)	250 (231 - 271)	209 (191 - 228)	238 (219 - 258)	251 (232 - 271)
West Leicestershire	262 (238 - 287)	304 (279 - 331)	279 (255 - 305)	282 (258 - 307)	268 (245 - 292)	264 (241 - 288)	278 (254 - 302)

Table 21: Number of radiotherapy episodes in males, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Basildon and Brentwood	225	255	266	283	266	258	246	1,799
Bedfordshire	458	474	483	491	518	469	449	3,342
Cambridgeshire and Peterborough	918	924	1,040	1,032	1,066	1,004	986	6,970
Castle Point Rayleigh and Rochford	268	254	260	223	215	211	208	1,639
Corby	48	57	59	49	49	57	53	372
East and North Hertfordshire	578	557	548	565	553	623	572	3,996
Great Yarmouth & Waveney	329	371	354	318	337	350	358	2,417
Herts Valleys	579	562	615	554	633	588	634	4,165
Ipswich and East Suffolk	601	622	599	611	645	651	696	4,425
Luton	134	171	183	128	151	146	161	1,074
Mid Essex	430	468	435	401	432	432	388	2,986
Milton Keynes	190	201	205	203	258	163*	201*	1,421
Nene	551	553	535	596	588	593	595	4,011
North East Essex	472	456	493	508	477	473	499	3,378
North Norfolk	319	264	310	281	295	306	353	2,128
Norwich	213	249	229	259	235	243	238	1,666
South Norfolk	348	367	358	348	393	336	411	2,561
Southend	225	198	212	182	198	181	176	1,372
Thurrock	150	150	158	145	129	125	159	1,016
West Essex	329	321	341	342	345	327	347	2,352
West Norfolk	250	237	260	238	254	237	286	1,762
West Suffolk	304	292	283	287	271	284	273	1,994
Total	7,919	8,003	8,226	8,044	8,308	8,057	8,289	56,846

*Patients that reside in Milton Keynes are treated in either Oxford or Northampton radiotherapy centres. In 2014/15 and 2015/16 the number of episodes in males have decreased by around 90 episodes in 2014/15 and 60 in 2015/16. Radiotherapy episodes delivered to females show significant differences compared with previous year's activity. Radiotherapy episodes ranged from 224 to 290 between 2009/10 and 2013/14, however the number of episode delivered to females in 2014/15 and 2015/15 was 106 and 93 respectively.

Oxford commissioned Genesis, a private radiotherapy centre, to carry out radiotherapy treatments on their behalf, this contract started in April 2014 with around 50% of the Genesis workload being breast and the remainder being prostate, brain and palliative treatments. Radiotherapy treatments delivered by Genesis have not been captured in the Radiotherapy dataset, and as such, episodes for Milton Keynes CCG, for 2014/15 and 2015/16 will be lower than expected, no comparisons have been made for this reason.

Table 22: Crude number of radiotherapy episodes per 100,000 population, males, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East of England	241	241	245	238	244	234	240
Basildon & Brentwood	189	212	220	232	216	207	198
Bedfordshire	229	235	236	237	246	219	210
Cambridgeshire & Peterborough	226	223	248	244	250	232	228
Castle Point, Rayleigh & Rochford	319	303	311	265	256	249	246
Corby	166	193	195	158	156	178	165
East & North Hertfordshire	224	213	209	213	206	230	211
Great Yarmouth & Waveney	318	358	341	305	321	335	343
Herts Valleys	214	205	222	199	225	206	222
Ipswich & East Suffolk	313	321	306	312	329	331	354
Luton	137	170	178	124	143	135	151
Mid Essex	235	253	234	214	230	228	205
Milton Keynes	156	161	162	159	199	124	153
Nene	183	183	176	194	190	190	191
North East Essex	315	301	325	332	309	302	318
North Norfolk	397	325	381	344	360	371	428
Norwich	232	267	244	272	245	250	245
South Norfolk	310	325	312	300	335	284	347
Southend	271	234	247	212	230	208	202
Thurrock	197	194	201	184	163	155	198
West Essex	240	231	244	241	242	226	240
West Norfolk	302	286	312	284	302	280	336
West Suffolk	286	271	259	261	246	254	244

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the East of England SCN remained stable between 2009/10 and 2015/16. However, there was a slight reduction in 2012/13 and 2014/15.

Table 23: Age standardised rates per 100,000 population, males, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East of England	287 (281 - 294)	285 (279 - 291)	288 (282 - 295)	276 (270 - 282)	278 (272 - 284)	264 (258 - 270)	272 (266 - 278)
Basildon & Brentwood	230 (201 - 263)	255 (224 - 289)	265 (234 - 299)	274 (242 - 308)	258 (227 - 291)	242 (213 - 274)	232 (203 - 263)
Bedfordshire	287 (261 - 315)	285 (260 - 313)	288 (263 - 316)	280 (256 - 307)	289 (264 - 315)	253 (231 - 278)	247 (224 - 271)
Cambridgeshire & Peterborough	285 (267 - 305)	284 (266 - 304)	314 (295 - 334)	303 (285 - 323)	307 (289 - 326)	280 (263 - 299)	277 (260 - 295)
Castle Point, Rayleigh & Rochford	329 (290 - 372)	311 (274 - 353)	308 (271 - 349)	254 (221 - 290)	247 (215 - 284)	231 (200 - 265)	233 (202 - 268)
Corby	234 (171 - 318)	263 (198 - 348)	259 (195 - 341)	218 (160 - 293)	207 (152 - 278)	229 (172 - 301)	210 (157 - 280)
East & North Hertfordshire	290 (266 - 315)	274 (251 - 298)	265 (243 - 288)	271 (249 - 294)	256 (235 - 278)	287 (264 - 310)	262 (241 - 285)
Great Yarmouth & Waveney	302 (270 - 337)	339 (306 - 376)	315 (283 - 350)	278 (248 - 311)	286 (256 - 319)	296 (265 - 329)	305 (274 - 339)
Herts Valleys	279 (257 - 304)	264 (243 - 288)	291 (269 - 316)	259 (237 - 282)	286 (264 - 310)	260 (239 - 282)	283 (261 - 306)
Ipswich & East Suffolk	337 (311 - 366)	347 (320 - 376)	326 (301 - 354)	322 (297 - 349)	332 (307 - 359)	329 (304 - 355)	352 (327 - 380)
Luton	213 (178 - 255)	266 (227 - 311)	292 (251 - 341)	208 (173 - 249)	222 (187 - 262)	214 (180 - 253)	250 (212 - 293)
Mid Essex	277 (251 - 305)	298 (271 - 327)	266 (241 - 293)	235 (213 - 260)	248 (225 - 273)	247 (224 - 271)	219 (198 - 243)
Milton Keynes	241 (207 - 281)	247 (213 - 287)	260 (223 - 301)	242 (209 - 281)	298 (261 - 340)	189 (160 - 222)	227 (195 - 262)
Nene	228 (209 - 248)	223 (205 - 244)	213 (195 - 232)	232 (214 - 252)	224 (206 - 243)	219 (201 - 237)	218 (200 - 236)
North East Essex	327 (298 - 358)	305 (278 - 335)	329 (301 - 360)	334 (305 - 364)	306 (279 - 335)	296 (270 - 325)	312 (285 - 341)
North Norfolk	326 (291 - 365)	264 (233 - 299)	313 (279 - 352)	277 (245 - 313)	282 (251 - 318)	285 (254 - 320)	333 (298 - 371)
Norwich	278 (242 - 319)	324 (285 - 367)	295 (258 - 336)	333 (293 - 377)	301 (264 - 343)	303 (266 - 344)	295 (259 - 336)
South Norfolk	306 (274 - 341)	316 (284 - 351)	304 (273 - 337)	289 (259 - 321)	316 (285 - 350)	266 (238 - 296)	324 (293 - 358)
Southend	323 (282 - 368)	277 (239 - 319)	291 (252 - 333)	245 (211 - 284)	263 (228 - 303)	234 (201 - 271)	223 (191 - 259)
Thurrock	299 (252 - 354)	291 (245 - 345)	301 (254 - 355)	258 (217 - 307)	233 (193 - 279)	222 (184 - 267)	281 (238 - 330)
West Essex	286 (256 - 320)	280 (250 - 313)	288 (257 - 320)	282 (253 - 315)	275 (247 - 306)	262 (234 - 292)	273 (244 - 303)
West Norfolk	279 (245 - 316)	262 (229 - 298)	281 (248 - 318)	253 (221 - 288)	262 (230 - 297)	240 (210 - 273)	288 (255 - 325)
West Suffolk	314 (280 - 352)	295 (261 - 331)	279 (247 - 314)	281 (249 - 316)	257 (227 - 290)	261 (231 - 293)	251 (222 - 283)

Table 24: Number of radiotherapy episodes in females, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Basildon and Brentwood	331	288	279	340	289	300	377	2,204
Bedfordshire	582	524	524	529	595	457	459	3,670
Cambridgeshire and Peterborough	997	960	1,107	1,129	1,122	1,091	1,177	7,583
Castle Point Rayleigh and Rochford	262	293	312	260	228	262	254	1,871
Corby	65	75	83	71	46	116	57	513
East and North Hertfordshire	618	594	648	645	619	666	709	4,499
Great Yarmouth & Waveney	290	278	326	314	306	314	368	2,196
Herts Valleys	655	673	663	627	747	719	656	4,740
Ipswich and East Suffolk	617	632	605	631	677	650	644	4,456
Luton	160	213	190	154	211	161	178	1,267
Mid Essex	435	498	449	479	471	496	531	3,359
Milton Keynes	224	255	290	241	265	106*	93*	1,474
Nene	701	694	769	741	782	699	754	5,140
North East Essex	522	520	546	528	512	558	497	3,683
North Norfolk	275	293	269	259	257	301	287	1,941
Norwich	233	237	228	230	212	218	238	1,596
South Norfolk	368	342	338	339	361	401	354	2,503
Southend	228	294	249	205	227	244	231	1,678
Thurrock	135	213	160	146	174	147	167	1,142
West Essex	352	370	375	362	350	363	377	2,549
West Norfolk	300	275	301	253	262	278	260	1,929
West Suffolk	333	339	332	317	331	341	344	2,337
Total	8,683	8,860	9,043	8,800	9,044	8,888	9,012	62,330

*Patients that reside in Milton Keynes are treated in either Oxford or Northampton radiotherapy centres. In 2014/15 and 2015/16 the number of episodes in males have decreased by around 90 episodes in 2014/15 and 60 in 2015/16. Radiotherapy episodes delivered to females show significant differences compared with previous year's activity. Radiotherapy episodes ranged from 224 to 290 between 2009/10 and 2013/14, however the number of episode delivered to females in 2014/15 and 2015/15 was 106 and 93 respectively.

Oxford commissioned Genesis, a private radiotherapy centre, to carry out radiotherapy treatments on their behalf, this contract started in April 2014 with around 50% of the Genesis workload being breast and the remainder being prostate, brain and palliative treatments. Radiotherapy treatments delivered by Genesis have not been captured in the Radiotherapy dataset, and as such, episodes for Milton Keynes CCG, for 2014/15 and 2015/16 will be lower than expected, no comparisons have been made for this reason.

Table 25: Crude number of radiotherapy episodes per 100,000 population, females, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East of England	255	258	261	252	257	250	253
Basildon & Brentwood	261	225	218	263	222	228	285
Bedfordshire	283	253	250	249	276	209	210
Cambridgeshire & Peterborough	241	229	262	265	261	251	271
Castle Point, Rayleigh & Rochford	299	334	354	294	258	292	285
Corby	216	245	265	221	140	348	171
East & North Hertfordshire	230	219	236	233	222	236	251
Great Yarmouth & Waveney	266	255	299	286	280	286	333
Herts Valleys	232	236	230	215	253	241	220
Ipswich & East Suffolk	313	319	303	315	337	323	320
Luton	164	213	188	151	204	154	170
Mid Essex	230	261	234	248	242	254	272
Milton Keynes	181	201	223	184	201	78	68
Nene	227	224	246	235	246	218	235
North East Essex	329	326	342	328	316	340	303
North Norfolk	322	342	312	300	297	346	330
Norwich	243	246	235	234	214	219	239
South Norfolk	318	292	286	284	299	328	290
Southend	262	334	280	230	253	269	255
Thurrock	171	268	200	181	213	177	202
West Essex	244	254	255	243	232	238	247
West Norfolk	346	316	345	289	298	313	294
West Suffolk	309	310	300	285	296	302	305

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the East of England SCN has been increasing steadily. However, there was a slight reduction in 2012/13 and 2014/15. This shows there has been no increase in radiotherapy uptake per 100,000 population, in females.

Table 26: Age standardised rates per 100,000 population, females, East of England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
East of England	269 (263 - 274)	270 (264 - 276)	271 (266 - 277)	260 (254 - 265)	263 (257 - 268)	254 (249 - 260)	258 (253 - 263)
Basildon & Brentwood	277 (248 - 309)	239 (212 - 268)	229 (202 - 257)	276 (247 - 307)	230 (204 - 258)	233 (207 - 261)	294 (265 - 326)
Bedfordshire	307 (282 - 333)	274 (251 - 299)	264 (242 - 288)	263 (241 - 287)	291 (268 - 316)	219 (200 - 241)	220 (201 - 242)
Cambridgeshire & Peterborough	267 (251 - 285)	251 (235 - 268)	287 (270 - 304)	286 (269 - 303)	279 (262 - 296)	268 (252 - 284)	288 (272 - 305)
Castle Point, Rayleigh & Rochford	275 (243 - 311)	305 (271 - 343)	321 (286 - 360)	267 (235 - 303)	226 (197 - 258)	261 (230 - 295)	258 (227 - 293)
Corby	248 (191 - 318)	285 (224 - 359)	315 (251 - 393)	256 (200 - 325)	163 (119 - 219)	400 (330 - 482)	197 (149 - 257)
East & North Hertfordshire	256 (236 - 278)	240 (221 - 260)	259 (240 - 280)	255 (236 - 276)	238 (220 - 258)	253 (234 - 273)	269 (249 - 290)
Great Yarmouth & Waveney	243 (215 - 273)	232 (205 - 262)	269 (240 - 301)	255 (227 - 286)	250 (222 - 280)	251 (224 - 282)	291 (261 - 323)
Herts Valleys	257 (238 - 278)	259 (240 - 280)	254 (235 - 274)	234 (216 - 253)	277 (257 - 298)	264 (245 - 284)	241 (223 - 260)
Ipswich & East Suffolk	307 (283 - 332)	305 (281 - 330)	290 (267 - 314)	298 (275 - 322)	315 (291 - 340)	297 (274 - 321)	297 (274 - 321)
Luton	221 (187 - 259)	278 (241 - 319)	259 (223 - 299)	204 (173 - 240)	267 (231 - 306)	205 (174 - 240)	224 (192 - 261)
Mid Essex	238 (216 - 261)	264 (241 - 289)	236 (215 - 259)	250 (228 - 274)	240 (219 - 263)	249 (227 - 272)	265 (243 - 289)
Milton Keynes	224 (195 - 257)	255 (224 - 290)	275 (244 - 310)	228 (199 - 260)	242 (213 - 274)	97 (79 - 118)	87 (69 - 107)
Nene	250 (231 - 269)	242 (224 - 261)	267 (248 - 287)	251 (233 - 270)	259 (241 - 278)	230 (213 - 248)	248 (230 - 266)
North East Essex	311 (284 - 339)	304 (278 - 332)	318 (292 - 347)	305 (279 - 333)	292 (267 - 319)	317 (291 - 345)	279 (255 - 306)
North Norfolk	260 (230 - 295)	280 (248 - 316)	252 (222 - 286)	231 (203 - 263)	237 (208 - 270)	271 (240 - 305)	262 (231 - 296)
Norwich	264 (231 - 301)	266 (233 - 303)	252 (220 - 288)	256 (224 - 292)	232 (202 - 266)	236 (206 - 271)	258 (226 - 293)
South Norfolk	295 (266 - 328)	272 (244 - 303)	263 (235 - 293)	258 (231 - 288)	270 (243 - 300)	295 (266 - 326)	264 (237 - 293)
Southend	270 (236 - 308)	346 (307 - 389)	285 (250 - 323)	236 (205 - 271)	261 (228 - 298)	273 (240 - 311)	258 (226 - 294)
Thurrock	211 (176 - 251)	322 (279 - 369)	237 (201 - 278)	222 (187 - 262)	256 (219 - 298)	209 (177 - 247)	239 (204 - 279)
West Essex	254 (228 - 283)	265 (238 - 294)	263 (237 - 291)	250 (225 - 277)	238 (213 - 264)	240 (216 - 267)	255 (230 - 283)
West Norfolk	302 (268 - 339)	280 (248 - 317)	304 (270 - 341)	256 (225 - 291)	257 (227 - 292)	274 (242 - 310)	244 (215 - 277)
West Suffolk	308 (275 - 343)	307 (275 - 342)	297 (266 - 331)	276 (246 - 308)	287 (256 - 320)	286 (256 - 318)	294 (263 - 327)

Table 27: Number of radiotherapy episodes in males, Greater Manchester, Lancashire and South Cumbria SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Blackburn with Darwen	114	110	128	112	113	113	131	821
Blackpool	156	167	192	175	201	222	266	1,379
Bolton	278	284	327	305	328	347	319	2,188
Bury	233	230	270	278	236	260	238	1,745
Central Manchester	102	123	98	117	135	126	130	831
Chorley and South Ribble	159	172	189	173	199	208	203	1,303
East Lancashire	380	388	461	413	426	454	461	2,983
Fylde & Wyre	224	217	296	273	259	302	327	1,898
Greater Preston	175	207	173	196	201	233	246	1,431
Heywood Middleton & Rochdale	237	248	243	212	255	231	241	1,667
Lancashire North	187	168	219	189	196	198	184	1,341
North Manchester	133	150	155	142	173	160	153	1,066
Oldham	252	244	240	268	308	246	257	1,815
Salford	258	239	277	256	290	251	279	1,850
South Manchester	145	158	128	161	153	147	132	1,024
Stockport	339	396	425	403	464	414	383	2,824
Tameside and Glossop	248	293	315	329	330	326	260	2,101
Trafford	272	275	257	274	294	291	257	1,920
West Lancashire	124	115	135	124	147	126	151	922
Wigan Borough	385	377	387	355	439	379	379	2,701
Total	4,401	4,561	4,915	4,755	5,147	5,034	4,997	33,810

Table 28: Crude number of radiotherapy episodes per 100,000 population, males, Greater Manchester, Lancashire and South Cumbria SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Greater Manchester, Lancashire and South Cumbria	216	223	238	229	247	240	238
Blackburn with Darwen	157	150	174	152	153	155	179
Blackpool	223	239	275	251	289	321	385
Bolton	206	209	239	221	236	250	230
Bury	260	255	298	305	259	283	259
Central Manchester	117	136	105	126	145	134	138
Chorley & South Ribble	195	210	227	207	236	245	239
East Lancashire	209	213	252	225	232	247	250
Fylde & Wyre	281	272	370	341	322	372	403
Greater Preston	177	208	171	195	200	231	244
Heywood, Middleton & Rochdale	230	239	234	204	245	221	230
Lancashire North	250	223	289	245	251	252	233
North Manchester	169	185	186	166	198	179	171
Oldham	231	223	218	242	275	219	229
Salford	226	205	236	216	242	206	229
South Manchester	189	204	162	202	192	185	166
Stockport	246	287	307	290	333	295	272
Tameside and Glossop	201	237	253	265	265	262	209
Trafford	248	249	231	245	261	255	226
West Lancashire	231	214	251	230	272	231	277
Wigan Borough	246	240	244	224	276	237	238

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Greater Manchester, Lancashire and South Cumbria SCN has been increasing steadily. However, there was a slight reduction in 2012/13, 2014/15 and 2015/16. This represents a 10% increase per 100,000 population, in males, over seven years.

Table 29: Age standardised rates per 100,000 population, males, Greater Manchester, Lancashire and South

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Greater Manchester, Lancashire and South Cumbria	279 (271 - 288)	283 (275 - 292)	302 (293 - 311)	288 (280 - 296)	306 (298 - 315)	293 (285 - 302)	292 (284 - 301)
Blackburn with Darwen	224 (184 - 273)	223 (182 - 272)	253 (210 - 304)	217 (177 - 264)	214 (175 - 261)	226 (185 - 275)	243 (202 - 292)
Blackpool	245 (208 - 288)	254 (217 - 297)	291 (251 - 336)	267 (229 - 311)	313 (270 - 360)	331 (288 - 378)	400 (353 - 452)
Bolton	274 (242 - 310)	267 (236 - 301)	307 (274 - 343)	277 (247 - 311)	293 (262 - 328)	306 (274 - 341)	287 (256 - 322)
Bury	329 (287 - 376)	321 (280 - 367)	372 (328 - 421)	379 (335 - 428)	311 (272 - 355)	340 (299 - 385)	313 (274 - 356)
Central Manchester	287 (232 - 353)	324 (267 - 393)	257 (205 - 320)	307 (252 - 373)	363 (302 - 435)	310 (255 - 375)	338 (280 - 406)
Chorley & South Ribble	243 (205 - 287)	256 (218 - 299)	265 (228 - 308)	231 (198 - 270)	259 (224 - 300)	277 (240 - 319)	264 (228 - 304)
East Lancashire	251 (226 - 278)	246 (222 - 273)	298 (271 - 327)	265 (239 - 292)	263 (238 - 290)	277 (251 - 304)	283 (257 - 310)
Fylde & Wyre	254 (221 - 290)	245 (213 - 281)	327 (290 - 367)	301 (266 - 340)	278 (245 - 315)	315 (280 - 354)	342 (306 - 383)
Greater Preston	222 (190 - 259)	264 (229 - 304)	215 (183 - 250)	246 (212 - 284)	250 (216 - 288)	280 (245 - 319)	304 (267 - 345)
Heywood, Middleton & Rochdale	317 (277 - 363)	311 (272 - 354)	310 (271 - 353)	260 (225 - 299)	318 (279 - 361)	276 (241 - 315)	301 (263 - 342)
Lancashire North	271 (233 - 314)	241 (205 - 281)	314 (273 - 359)	260 (224 - 301)	271 (234 - 312)	266 (230 - 307)	244 (210 - 283)
North Manchester	314 (262 - 376)	340 (286 - 404)	354 (298 - 419)	335 (280 - 399)	378 (321 - 443)	349 (295 - 411)	339 (285 - 402)
Oldham	319 (280 - 363)	298 (261 - 339)	300 (262 - 342)	325 (287 - 368)	364 (324 - 408)	284 (250 - 324)	298 (262 - 338)
Salford	317 (278 - 359)	284 (248 - 323)	320 (283 - 362)	306 (269 - 347)	337 (298 - 379)	281 (247 - 319)	320 (283 - 361)
South Manchester	350 (294 - 414)	353 (298 - 415)	272 (225 - 326)	362 (306 - 425)	342 (288 - 403)	322 (271 - 381)	278 (231 - 332)
Stockport	291 (261 - 325)	335 (302 - 370)	354 (321 - 390)	324 (293 - 358)	366 (334 - 402)	317 (287 - 350)	293 (265 - 325)
Tameside and Glossop	254 (222 - 289)	298 (264 - 336)	321 (285 - 361)	320 (285 - 358)	315 (281 - 352)	307 (274 - 344)	248 (218 - 282)
Trafford	311 (275 - 352)	320 (283 - 361)	287 (252 - 325)	304 (268 - 343)	316 (280 - 355)	313 (278 - 352)	273 (241 - 309)
West Lancashire	248 (205 - 299)	225 (185 - 273)	252 (211 - 301)	236 (196 - 284)	279 (235 - 330)	233 (194 - 279)	285 (241 - 336)
Wigan Borough	297 (267 - 331)	286 (257 - 318)	285 (256 - 316)	260 (233 - 290)	314 (285 - 347)	263 (237 - 292)	268 (241 - 297)

Table 30: Number of radiotherapy episodes in females, Greater Manchester, Lancashire and South Cumbria SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Blackburn with Darwen	138	129	179	139	123	177	170	1,055
Blackpool	138	188	205	185	240	206	200	1,362
Bolton	315	294	298	337	368	303	310	2,225
Bury	259	270	228	264	279	262	244	1,806
Central Manchester	132	134	125	157	153	117	121	939
Chorley and South Ribble	193	203	178	215	203	266	235	1,493
East Lancashire	453	434	474	465	452	434	465	3,177
Fylde & Wyre	255	213	295	266	280	254	292	1,855
Greater Preston	199	217	273	223	269	232	241	1,654
Heywood Middleton & Rochdale	240	285	312	253	246	276	296	1,908
Lancashire North	155	200	221	174	207	198	182	1,337
North Manchester	152	150	146	166	167	165	184	1,130
Oldham	249	288	276	279	290	299	332	2,013
Salford	278	302	302	310	316	322	275	2,105
South Manchester	130	172	234	172	171	216	191	1,286
Stockport	436	433	460	446	443	422	370	3,010
Tameside and Glossop	289	338	326	346	387	349	363	2,398
Trafford	283	299	298	286	309	287	292	2,054
West Lancashire	147	141	148	151	124	163	179	1,053
Wigan Borough	314	398	402	359	410	421	407	2,711
Total	4,755	5,088	5,380	5,193	5,437	5,369	5,349	36,571

Table 31: Crude number of radiotherapy episodes per 100,000 population, females, Greater Manchester, Lancashire and South Cumbria SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Greater Manchester, Lancashire and South Cumbria SCN	227	241	254	244	255	251	249
Blackburn with Darwen	188	175	242	188	166	240	230
Blackpool	190	258	283	256	334	288	279
Bolton	228	210	212	239	260	214	219
Bury	275	285	241	278	293	274	255
Central Manchester	154	153	142	176	171	129	132
Chorley & South Ribble	234	245	213	255	239	310	274
East Lancashire	240	230	251	247	239	229	244
Fylde & Wyre	299	250	346	313	328	297	340
Greater Preston	198	215	270	220	266	229	237
Heywood, Middleton & Rochdale	223	264	289	233	228	255	273
Lancashire North	194	249	274	214	254	241	222
North Manchester	200	192	183	203	201	195	217
Oldham	219	251	240	243	251	257	285
Salford	242	260	257	261	265	267	227
South Manchester	163	212	287	210	207	263	233
Stockport	301	298	318	307	304	288	253
Tameside and Glossop	226	263	253	268	300	270	281
Trafford	249	258	256	245	263	241	246
West Lancashire	258	248	260	265	215	284	311
Wigan Borough	198	250	251	224	255	260	252

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Greater Manchester, Lancashire and South Cumbria SCN has been increasing steadily. However, there was a slight reduction in 2012/13, 2014/15 and 2015/16. This represents a 10% increase per 100,000 population, in females, over seven years.

Table 32: Age standardised rates per 100,000 population, females, Greater Manchester, Lancashire and South

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Greater Manchester, Lancashire and South Cumbria	250 (243 - 257)	266 (258 - 273)	278 (271 - 286)	266 (259 - 274)	276 (269 - 283)	270 (263 - 278)	269 (262 - 276)
Blackburn with Darwen	234 (196 - 277)	213 (177 - 254)	301 (258 - 350)	224 (188 - 266)	202 (167 - 241)	292 (250 - 339)	275 (235 - 321)
Blackpool	191 (161 - 227)	259 (223 - 300)	276 (239 - 317)	254 (219 - 294)	328 (287 - 373)	273 (236 - 313)	270 (233 - 311)
Bolton	253 (226 - 283)	232 (206 - 261)	235 (209 - 264)	263 (236 - 293)	283 (254 - 313)	228 (203 - 255)	238 (212 - 266)
Bury	296 (261 - 335)	302 (267 - 341)	253 (221 - 288)	293 (258 - 330)	304 (269 - 342)	283 (250 - 320)	264 (232 - 299)
Central Manchester	290 (241 - 346)	284 (236 - 340)	265 (219 - 318)	340 (287 - 400)	336 (284 - 397)	241 (197 - 292)	255 (209 - 308)
Chorley & South Ribble	241 (208 - 278)	259 (224 - 297)	220 (188 - 255)	254 (221 - 291)	239 (207 - 274)	312 (275 - 352)	274 (240 - 312)
East Lancashire	254 (231 - 278)	242 (220 - 266)	263 (239 - 288)	256 (234 - 281)	245 (223 - 269)	233 (212 - 257)	248 (226 - 272)
Fylde & Wyre	259 (227 - 294)	215 (187 - 248)	293 (259 - 330)	255 (225 - 290)	275 (243 - 311)	246 (216 - 280)	281 (249 - 317)
Greater Preston	225 (194 - 258)	240 (209 - 274)	299 (264 - 337)	243 (212 - 277)	290 (256 - 327)	249 (218 - 284)	254 (223 - 288)
Heywood, Middleton & Rochdale	255 (223 - 290)	299 (265 - 337)	326 (291 - 365)	261 (230 - 296)	249 (219 - 283)	281 (249 - 317)	299 (266 - 336)
Lancashire North	195 (166 - 229)	253 (219 - 291)	277 (241 - 316)	215 (184 - 250)	253 (219 - 291)	241 (209 - 278)	217 (186 - 252)
North Manchester	293 (248 - 345)	283 (239 - 334)	265 (222 - 313)	319 (272 - 373)	313 (266 - 365)	303 (258 - 355)	345 (296 - 401)
Oldham	249 (219 - 282)	285 (253 - 321)	273 (241 - 307)	274 (242 - 308)	282 (250 - 316)	287 (255 - 321)	319 (286 - 356)
Salford	280 (247 - 315)	312 (277 - 350)	307 (273 - 344)	313 (279 - 351)	318 (283 - 355)	320 (285 - 357)	273 (241 - 307)
South Manchester	228 (189 - 272)	300 (256 - 350)	392 (342 - 447)	293 (250 - 342)	281 (239 - 328)	365 (317 - 419)	323 (278 - 374)
Stockport	301 (273 - 330)	299 (271 - 328)	311 (283 - 342)	297 (270 - 326)	298 (270 - 327)	283 (256 - 311)	250 (225 - 277)
Tameside and Glossop	244 (216 - 274)	286 (256 - 318)	273 (244 - 305)	284 (255 - 316)	316 (285 - 349)	281 (252 - 313)	294 (265 - 327)
Trafford	269 (239 - 303)	278 (247 - 311)	276 (245 - 310)	261 (232 - 294)	281 (251 - 315)	256 (227 - 288)	263 (233 - 295)
West Lancashire	253 (214 - 299)	240 (202 - 284)	251 (212 - 296)	255 (215 - 300)	201 (167 - 241)	268 (228 - 314)	298 (256 - 347)
Wigan Borough	210 (187 - 235)	263 (238 - 291)	262 (237 - 289)	232 (209 - 258)	263 (238 - 289)	264 (239 - 291)	254 (230 - 281)

Table 33: Number of radiotherapy episodes in males, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Barking & Dagenham	123	119	160	145	147	134	149	977
Barnet	300	294	301	358	308	299	349	2,209
Camden	176	161	159	172	189	189	155	1,201
City and Hackney	120	148	178	146	167	158	145	1,062
Enfield	236	260	338	297	325	304	322	2,082
Haringey	159	187	213	204	198	207	201	1,369
Havering	254	252	243	248	253	280	283	1,813
Islington	148	148	185	174	168	182	171	1,176
Newham	112	158	146	153	159	168	175	1,071
Redbridge	171	176	220	208	176	194	175	1,320
Tower Hamlets	107	125	122	127	108	125	111	825
Waltham Forest	137	158	151	188	162	168	152	1,116
Total	2,043	2,186	2,416	2,420	2,360	2,408	2,388	16,221

Table 34: Crude number of radiotherapy episodes per 100,000 population, males, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North and East London	137	144	155	153	146	146	145
Barking & Dagenham	144	132	173	155	154	138	154
Barnet	180	173	174	202	171	162	190
Camden	169	153	147	156	166	162	133
City and Hackney	98	119	140	112	127	116	107
Enfield	162	174	222	193	209	192	203
Haringey	129	150	168	158	150	154	150
Havering	225	221	211	215	218	236	239
Islington	154	150	181	165	157	164	154
Newham	75	101	89	94	96	99	103
Redbridge	128	130	158	148	122	134	120
Tower Hamlets	87	98	92	94	77	85	74
Waltham Forest	111	124	116	142	122	125	113

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the North and East London SCN has been increasing steadily. However, there was a slight reduction in 2012/13, 2013/14 and 2015/16. This represents a 6% increase per 100,000 population, in males, over seven years.

Table 35: Age standardised rates per 100,000 population, males, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North and East London	247 (236 - 258)	259 (248 - 271)	286 (274 - 298)	281 (269 - 293)	265 (254 - 276)	265 (254 - 276)	261 (250 - 272)
Barking & Dagenham	252 (208 - 303)	241 (198 - 291)	333 (281 - 392)	305 (255 - 361)	297 (249 - 352)	270 (224 - 322)	297 (249 - 351)
Barnet	272 (241 - 305)	257 (228 - 289)	265 (235 - 297)	304 (273 - 338)	253 (225 - 283)	242 (215 - 272)	285 (255 - 317)
Camden	289 (246 - 338)	269 (228 - 316)	255 (216 - 301)	279 (238 - 326)	287 (246 - 333)	282 (242 - 327)	227 (191 - 267)
City and Hackney	210 (172 - 256)	273 (229 - 326)	321 (273 - 377)	271 (227 - 322)	277 (234 - 327)	263 (222 - 311)	234 (196 - 279)
Enfield	253 (221 - 288)	271 (239 - 308)	357 (319 - 398)	308 (273 - 346)	335 (299 - 374)	301 (267 - 338)	316 (282 - 354)
Haringey	275 (232 - 326)	321 (275 - 375)	369 (319 - 426)	326 (281 - 378)	302 (259 - 352)	310 (267 - 360)	297 (255 - 345)
Havering	267 (235 - 302)	265 (233 - 300)	250 (219 - 284)	253 (223 - 287)	248 (218 - 281)	272 (241 - 307)	275 (244 - 310)
Islington	294 (247 - 350)	285 (238 - 340)	362 (309 - 423)	328 (278 - 385)	314 (267 - 369)	343 (293 - 400)	318 (270 - 373)
Newham	192 (157 - 235)	254 (214 - 302)	223 (186 - 268)	244 (205 - 291)	264 (222 - 313)	231 (195 - 273)	246 (208 - 291)
Redbridge	202 (172 - 236)	200 (171 - 234)	254 (221 - 291)	234 (203 - 269)	193 (165 - 225)	215 (185 - 249)	191 (163 - 223)
Tower Hamlets	232 (188 - 285)	273 (224 - 330)	251 (205 - 306)	238 (194 - 290)	213 (172 - 262)	245 (201 - 297)	205 (165 - 252)
Waltham Forest	199 (166 - 238)	235 (198 - 277)	221 (186 - 262)	271 (232 - 315)	220 (186 - 258)	225 (192 - 264)	205 (172 - 242)

Table 36: Number of radiotherapy episodes in females, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Barking & Dagenham	166	142	194	159	175	186	168	1,190
Barnet	390	327	423	377	433	440	406	2,796
Camden	177	204	191	225	226	189	220	1,432
City and Hackney	168	146	146	184	158	190	244	1,236
Enfield	322	329	346	332	290	359	356	2,334
Haringey	200	236	270	245	240	258	222	1,671
Havering	268	304	302	278	348	292	308	2,100
Islington	198	158	173	183	191	239	165	1,307
Newham	146	144	189	161	165	194	184	1,183
Redbridge	227	196	236	225	239	243	259	1,625
Tower Hamlets	108	116	158	132	131	168	155	968
Waltham Forest	181	198	203	208	237	256	238	1,521
Total	2,551	2,500	2,831	2,709	2,833	3,014	2,925	19,363

Table 37: Crude number of radiotherapy episodes per 100,000 population, females, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North and East London	167	161	179	168	173	181	176
Barking & Dagenham	181	151	200	163	176	183	166
Barnet	217	180	230	202	229	230	213
Camden	163	186	171	197	195	160	186
City and Hackney	137	117	113	141	119	140	179
Enfield	206	207	213	203	176	215	213
Haringey	158	184	210	189	182	193	166
Havering	221	248	245	223	277	229	241
Islington	197	155	166	172	176	215	149
Newham	105	100	127	107	107	125	118
Redbridge	166	141	166	156	163	164	174
Tower Hamlets	92	96	128	103	99	123	113
Waltham Forest	143	155	156	158	177	191	177

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the North and East London SCN has been increasing steadily. However, there was a slight reduction in 2010/11, 2012/13 and 2015/16. This represents a 5% increase per 100,000 population, in females, over seven years.

Table 38: Age standardised rates per 100,000 population, females, North and East London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North and East London	237 (227 - 246)	232 (223 - 242)	257 (248 - 267)	242 (233 - 252)	246 (237 - 255)	257 (248 - 267)	249 (239 - 258)
Barking & Dagenham	254 (216 - 298)	220 (184 - 261)	304 (261 - 352)	242 (205 - 285)	252 (215 - 295)	272 (233 - 317)	231 (197 - 272)
Barnet	266 (240 - 295)	224 (200 - 251)	282 (256 - 311)	249 (224 - 276)	277 (251 - 305)	280 (254 - 308)	258 (233 - 285)
Camden	242 (207 - 282)	279 (242 - 321)	244 (209 - 282)	285 (248 - 326)	271 (236 - 309)	218 (187 - 253)	263 (229 - 301)
City and Hackney	229 (194 - 270)	200 (167 - 239)	210 (175 - 250)	256 (218 - 299)	221 (186 - 261)	237 (203 - 277)	300 (261 - 344)
Enfield	264 (236 - 295)	268 (239 - 299)	278 (249 - 310)	258 (230 - 288)	224 (198 - 252)	275 (247 - 306)	266 (239 - 296)
Haringey	242 (208 - 280)	278 (242 - 318)	321 (282 - 364)	282 (246 - 322)	274 (239 - 313)	293 (257 - 333)	243 (211 - 280)
Havering	225 (199 - 254)	253 (225 - 283)	248 (221 - 278)	227 (201 - 256)	280 (251 - 311)	232 (206 - 261)	246 (219 - 275)
Islington	311 (268 - 360)	255 (215 - 300)	270 (230 - 315)	265 (226 - 309)	286 (245 - 332)	346 (302 - 395)	240 (203 - 282)
Newham	187 (157 - 223)	174 (145 - 208)	226 (193 - 264)	191 (161 - 226)	179 (151 - 211)	214 (183 - 249)	196 (167 - 229)
Redbridge	213 (186 - 244)	188 (162 - 217)	211 (184 - 241)	211 (183 - 241)	213 (186 - 242)	214 (188 - 244)	235 (207 - 266)
Tower Hamlets	186 (150 - 227)	210 (172 - 255)	286 (241 - 337)	240 (199 - 287)	216 (179 - 259)	258 (218 - 303)	226 (190 - 269)
Waltham Forest	199 (170 - 232)	218 (188 - 252)	228 (196 - 263)	226 (195 - 260)	251 (219 - 287)	265 (232 - 301)	251 (219 - 287)

Table 39: Number of radiotherapy episodes in males, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Bexley	248	260	304	287	259	298	288	1,944
Brent	232	223	208	229	237	260	270	1,659
Bromley	332	318	349	380	344	369	399	2,491
Central London (Westminster)	138	144	141	140	125	125	150	963
Croydon	314	374	347	323	333	374	394	2,459
Ealing	304	289	303	241	273	296	254	1,960
Greenwich	212	199	240	220	226	234	237	1,568
Hammersmith and Fulham	176	154	168	156	143	156	146	1,099
Harrow	216	181	219	178	207	207	185	1,393
Hillingdon	244	269	242	264	275	260	244	1,798
Hounslow	251	212	200	213	257	208	197	1,538
Kingston	173	154	157	157	158	154	157	1,110
Lambeth	222	252	268	250	232	213	265	1,702
Lewisham	260	223	244	199	219	246	228	1,619
Merton	248	188	184	185	199	200	179	1,383
Richmond	217	206	209	189	234	212	241	1,508
Southwark	177	206	193	202	228	238	246	1,490
Sutton	214	226	207	233	242	236	214	1,572
Wandsworth	239	208	220	224	255	218	259	1,623
West London	183	191	176	183	166	193	179	1,271
Total	4,600	4,477	4,579	4,453	4,612	4,697	4,732	32,150

Table 40: Crude number of radiotherapy episodes per 100,000 population, males, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North West and South London	189	182	183	176	180	181	183
Bexley	226	234	271	254	227	258	249
Brent	155	146	132	144	148	160	166
Bromley	226	215	234	252	225	238	258
Central London (Westminster)	173	179	174	170	147	144	172
Croydon	183	215	196	179	184	205	215
Ealing	184	173	177	141	159	172	148
Greenwich	176	161	189	170	171	174	176
Hammersmith & Fulham	199	173	189	178	164	178	167
Harrow	187	154	184	148	171	169	151
Hillingdon	186	201	177	188	192	178	167
Hounslow	204	169	155	163	194	154	147
Kingston	225	199	200	196	193	185	188
Lambeth	151	170	177	162	146	133	165
Lewisham	196	166	180	144	156	171	157
Merton	252	191	186	186	199	200	179
Richmond	241	226	229	203	249	225	256
Southwark	126	147	135	139	155	158	162
Sutton	234	245	223	248	254	244	222
Wandsworth	164	142	147	151	171	145	173
West London	167	175	161	169	152	174	162

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the North West and South London SCN has been decreasing since 2009/10.

Table 41: Age standardised rates per 100,000 population, males, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North West and South London	317 (308 - 327)	305 (296 - 315)	306 (297 - 316)	291 (282 - 299)	294 (286 - 303)	294 (285 - 303)	297 (288 - 306)
Bexley	287 (252 - 326)	301 (265 - 341)	352 (313 - 395)	330 (293 - 372)	286 (252 - 324)	325 (289 - 365)	318 (282 - 357)
Brent	277 (241 - 317)	256 (223 - 295)	230 (199 - 266)	254 (221 - 291)	254 (222 - 291)	272 (239 - 309)	273 (241 - 310)
Bromley	280 (250 - 312)	265 (236 - 296)	282 (253 - 313)	307 (276 - 339)	273 (244 - 303)	287 (259 - 319)	312 (282 - 345)
Central London (Westminster)	270 (226 - 321)	286 (241 - 339)	275 (230 - 326)	267 (223 - 317)	223 (184 - 268)	226 (188 - 271)	277 (234 - 327)
Croydon	279 (248 - 313)	337 (303 - 374)	306 (274 - 341)	273 (243 - 306)	277 (247 - 309)	303 (272 - 336)	322 (290 - 357)
Ealing	326 (289 - 366)	309 (273 - 348)	308 (274 - 347)	243 (212 - 277)	259 (228 - 293)	288 (255 - 324)	243 (213 - 276)
Hounslow	354 (310 - 404)	286 (247 - 330)	275 (237 - 319)	290 (251 - 334)	344 (302 - 392)	269 (232 - 311)	251 (216 - 291)
Greenwich	314 (272 - 361)	298 (257 - 344)	358 (313 - 408)	323 (280 - 371)	313 (272 - 359)	323 (281 - 369)	319 (278 - 365)
Hammersmith & Fulham	408 (347 - 478)	349 (294 - 414)	381 (324 - 447)	338 (285 - 399)	317 (265 - 377)	327 (276 - 387)	307 (257 - 364)
Harrow	273 (237 - 313)	221 (190 - 257)	259 (225 - 296)	203 (174 - 235)	233 (202 - 268)	227 (197 - 261)	205 (177 - 238)
Hillingdon	284 (249 - 323)	307 (271 - 347)	268 (235 - 305)	287 (253 - 325)	293 (259 - 331)	265 (233 - 300)	251 (220 - 286)
Kingston	354 (302 - 413)	301 (254 - 354)	313 (265 - 368)	299 (253 - 351)	300 (255 - 353)	283 (239 - 333)	287 (243 - 337)
Lambeth	347 (302 - 400)	367 (321 - 420)	394 (345 - 448)	352 (307 - 403)	323 (280 - 372)	289 (249 - 334)	377 (331 - 429)
Lewisham	388 (341 - 441)	334 (290 - 383)	358 (313 - 409)	276 (237 - 320)	290 (251 - 334)	343 (299 - 391)	314 (272 - 360)
Richmond	364 (316 - 417)	336 (290 - 387)	335 (290 - 385)	291 (250 - 337)	364 (318 - 415)	311 (270 - 358)	362 (317 - 412)
Southwark	279 (237 - 327)	331 (285 - 383)	312 (267 - 364)	308 (264 - 357)	332 (287 - 382)	335 (291 - 385)	364 (317 - 416)
Merton	430 (376 - 489)	329 (283 - 381)	310 (266 - 360)	315 (271 - 365)	332 (287 - 383)	332 (286 - 383)	290 (248 - 337)
Sutton	324 (281 - 372)	350 (305 - 400)	313 (272 - 360)	333 (291 - 380)	344 (302 - 392)	329 (287 - 375)	300 (260 - 344)
Wandsworth	354 (309 - 405)	290 (249 - 335)	306 (265 - 352)	311 (270 - 357)	351 (307 - 400)	307 (267 - 353)	362 (318 - 411)
West London	282 (241 - 328)	307 (264 - 355)	267 (228 - 312)	273 (234 - 318)	243 (207 - 284)	270 (233 - 313)	248 (213 - 289)

Table 42: Number of radiotherapy episodes in females, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Bexley	330	294	281	317	302	364	345	2,233
Brent	250	240	295	276	229	298	247	1,835
Bromley	420	385	420	416	419	419	439	2,918
Central London (Westminster)	127	126	128	150	133	138	130	932
Croydon	368	366	402	399	430	407	421	2,793
Ealing	258	275	305	282	330	381	295	2,126
Greenwich	246	267	287	248	283	286	320	1,937
Hammersmith and Fulham	149	175	160	167	154	125	144	1,074
Harrow	295	219	271	296	232	247	248	1,808
Hillingdon	281	328	325	285	252	293	250	2,014
Hounslow	259	274	289	295	235	253	243	1,848
Kingston	157	185	172	174	166	200	152	1,206
Lambeth	249	234	275	268	300	289	229	1,844
Lewisham	276	287	270	239	265	272	213	1,822
Merton	194	219	206	221	200	245	231	1,516
Richmond	225	197	231	232	206	232	215	1,538
Southwark	239	247	234	257	236	251	234	1,698
Sutton	292	281	283	262	292	319	317	2,046
Wandsworth	256	253	259	267	274	302	309	1,920
West London	205	207	221	201	213	208	188	1,443
Total	5,076	5,059	5,314	5,252	5,151	5,529	5,170	36,551

Table 43: Crude number of radiotherapy episodes per 100,000 population, females, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North West and South London	202	199	207	202	196	209	195
Bexley	279	246	233	261	245	293	278
Brent	167	158	190	177	146	188	155
Bromley	263	239	260	255	253	251	262
Central London (Westminster)	165	164	167	191	168	171	161
Croydon	202	198	214	210	223	210	218
Ealing	156	165	180	166	193	223	173
Greenwich	200	212	223	190	214	213	237
Hammersmith & Fulham	162	189	171	180	167	137	157
Harrow	249	181	222	242	188	199	199
Hillingdon	209	241	234	201	175	198	169
Hounslow	212	219	226	229	181	192	184
Kingston	195	228	208	208	195	231	176
Lambeth	170	156	180	172	191	182	144
Lewisham	200	206	191	166	182	183	144
Merton	193	217	203	214	194	237	223
Richmond	238	206	240	238	210	233	216
Southwark	168	171	161	174	156	163	153
Sutton	300	289	287	263	288	314	311
Wandsworth	165	162	163	167	169	186	191
West London	183	185	198	182	193	187	169

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the North West and South London SCN has been decreasing since 2009/10.

Table 44: Age standardised rates per 100,000 population, females, North West and South London SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
North West and South London	270 (262 - 278)	265 (258 - 273)	276 (268 - 283)	269 (261 - 276)	258 (251 - 265)	273 (266 - 280)	252 (245 - 259)
Bexley	311 (278 - 347)	273 (243 - 307)	253 (224 - 285)	286 (255 - 320)	270 (240 - 302)	323 (290 - 358)	306 (274 - 340)
Brent	235 (206 - 266)	216 (189 - 246)	264 (234 - 297)	241 (213 - 272)	199 (174 - 228)	254 (225 - 285)	200 (176 - 228)
Bromley	280 (253 - 308)	250 (225 - 277)	273 (247 - 301)	262 (237 - 289)	264 (239 - 291)	264 (239 - 291)	275 (250 - 303)
Central London (Westminster)	219 (182 - 262)	213 (177 - 255)	214 (178 - 256)	246 (207 - 290)	212 (176 - 252)	212 (177 - 252)	198 (165 - 237)
Croydon	248 (223 - 276)	244 (219 - 271)	267 (241 - 295)	261 (235 - 288)	279 (253 - 307)	259 (234 - 286)	264 (239 - 291)
Ealing	217 (191 - 246)	231 (204 - 261)	253 (225 - 284)	226 (200 - 255)	260 (232 - 290)	291 (262 - 322)	225 (200 - 253)
Hounslow	300 (264 - 339)	306 (270 - 346)	308 (273 - 347)	327 (290 - 367)	248 (216 - 283)	264 (231 - 299)	252 (220 - 286)
Greenwich	284 (249 - 323)	299 (263 - 338)	325 (288 - 367)	273 (239 - 311)	310 (274 - 350)	298 (264 - 337)	341 (304 - 382)
Hammersmith & Fulham	256 (215 - 303)	300 (256 - 350)	269 (228 - 317)	276 (234 - 324)	243 (205 - 287)	203 (168 - 244)	224 (187 - 266)
Harrow	293 (260 - 329)	216 (188 - 248)	257 (227 - 291)	282 (250 - 316)	219 (191 - 249)	231 (203 - 262)	229 (201 - 260)
Hillingdon	261 (231 - 294)	303 (271 - 339)	297 (265 - 332)	253 (224 - 285)	221 (194 - 251)	252 (223 - 283)	211 (185 - 239)
Kingston	244 (206 - 287)	287 (247 - 334)	268 (228 - 313)	262 (224 - 306)	247 (210 - 289)	288 (249 - 332)	218 (184 - 257)
Lambeth	287 (251 - 327)	264 (229 - 303)	302 (265 - 343)	304 (267 - 346)	320 (282 - 361)	308 (272 - 349)	242 (210 - 279)
Lewisham	285 (251 - 323)	295 (261 - 333)	278 (244 - 315)	234 (204 - 268)	267 (234 - 303)	275 (242 - 312)	205 (177 - 236)
Richmond	284 (247 - 324)	241 (208 - 278)	285 (249 - 326)	274 (239 - 313)	241 (209 - 278)	264 (230 - 301)	241 (210 - 277)
Southwark	276 (240 - 316)	278 (242 - 318)	265 (230 - 304)	304 (266 - 347)	265 (231 - 304)	269 (235 - 308)	243 (211 - 279)
Merton	259 (223 - 299)	288 (251 - 330)	260 (225 - 300)	288 (250 - 330)	246 (212 - 284)	303 (265 - 345)	282 (246 - 322)
Sutton	335 (297 - 377)	327 (290 - 369)	334 (296 - 377)	301 (265 - 341)	326 (289 - 366)	359 (320 - 401)	349 (311 - 391)
Wandsworth	274 (240 - 311)	271 (237 - 309)	274 (240 - 311)	282 (248 - 319)	273 (240 - 309)	302 (268 - 340)	310 (276 - 349)
West London	248 (214 - 286)	251 (217 - 289)	271 (235 - 311)	239 (206 - 276)	245 (212 - 282)	231 (200 - 266)	210 (180 - 243)

Table 45: Number of radiotherapy episodes in males, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Cumbria	659	618	655	772	783	695	716	4,898
Darlington	99	100	132	148	121	132	150	882
Durham Dales Easington and Sedgefield	290	286	358	362	311	309	355	2,271
Hambleton Richmondshire and Whitby	180	197	173	183	202	208	204	1,347
Hartlepool and Stockton-On-Tees	293	267	353	381	364	380	404	2,442
Newcastle Gateshead	490	518	444	473	500	545	536	3,506
North Durham	211	189	250	244	227	266	291	1,678
North Tyneside	215	211	218	218	223	228	268	1,581
Northumberland	341	336	349	371	383	411	438	2,629
South Tees	330	311	342	320	383	424	386	2,496
South Tyneside	169	164	169	138	150	155	172	1,117
Sunderland	259	285	298	305	296	350	322	2,115
Total	3,536	3,482	3,741	3,915	3,943	4,103	4,242	26,962

Table 46: Crude number of radiotherapy episodes per 100,000 population, males, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Northern England	223	219	234	244	245	255	263
Cumbria	264	248	263	310	315	280	288
Darlington	195	196	257	289	236	258	293
Durham Dales, Easington & Sedgefield	218	215	269	270	231	230	265
Hambleton, Richmondshire & Whitby	234	254	222	234	257	270	265
Hartlepool & Stockton-On-Tees	213	193	254	273	260	271	288
Newcastle Gateshead	210	220	187	197	206	222	219
North Durham	181	162	211	206	190	221	240
North Tyneside	224	219	225	224	228	232	273
Northumberland	222	218	226	240	248	266	283
South Tees	248	234	256	239	286	316	288
South Tyneside	236	229	235	192	209	216	239
Sunderland	192	211	223	227	220	259	239

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Northern England SCN has been increasing steadily. However, there was a slight reduction in 2010/11. This represents an 18% increase per 100,000 population, in males, over seven years.

Table 47: Age standardised rates per 100,000 population, males, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Northern England	252 (244 - 261)	245 (237 - 254)	260 (252 - 269)	268 (260 - 277)	264 (255 - 272)	271 (262 - 279)	279 (271 - 288)
Cumbria	268 (248 - 290)	245 (226 - 265)	260 (240 - 281)	300 (279 - 322)	296 (276 - 318)	263 (244 - 284)	270 (250 - 291)
Darlington	231 (187 - 284)	235 (190 - 287)	301 (251 - 358)	334 (282 - 393)	264 (219 - 316)	281 (235 - 334)	313 (264 - 368)
Durham Dales, Easington & Sedgefield	238 (211 - 268)	228 (202 - 256)	289 (260 - 322)	286 (257 - 318)	237 (211 - 266)	236 (210 - 264)	271 (243 - 301)
Hambleton, Richmondshire & Whitby	250 (214 - 290)	257 (222 - 297)	225 (192 - 262)	237 (204 - 275)	254 (220 - 293)	261 (226 - 300)	257 (222 - 295)
Hartlepool & Stockton-On-Tees	264 (234 - 298)	241 (212 - 273)	309 (277 - 344)	331 (298 - 367)	305 (274 - 339)	311 (281 - 345)	333 (301 - 368)
Newcastle Gateshead	269 (245 - 294)	289 (264 - 315)	240 (218 - 264)	254 (231 - 278)	266 (243 - 291)	285 (261 - 310)	279 (255 - 304)
North Durham	204 (177 - 236)	183 (157 - 212)	240 (210 - 273)	223 (196 - 254)	209 (182 - 239)	238 (210 - 270)	259 (230 - 291)
North Tyneside	259 (225 - 297)	254 (221 - 292)	253 (220 - 290)	252 (219 - 289)	250 (218 - 286)	258 (225 - 294)	297 (262 - 335)
Northumberland	227 (203 - 253)	220 (197 - 246)	221 (199 - 246)	235 (211 - 261)	231 (208 - 256)	242 (219 - 267)	262 (238 - 289)
South Tees	293 (261 - 327)	276 (246 - 310)	304 (272 - 339)	277 (247 - 310)	326 (294 - 362)	352 (319 - 388)	317 (286 - 351)
South Tyneside	266 (227 - 310)	252 (214 - 295)	257 (219 - 300)	212 (178 - 252)	221 (187 - 261)	227 (192 - 267)	257 (220 - 300)
Sunderland	221 (194 - 251)	246 (218 - 278)	257 (228 - 289)	260 (231 - 292)	243 (215 - 273)	285 (256 - 318)	262 (233 - 293)

Table 48: Number of radiotherapy episodes in females, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Cumbria	661	653	856	775	781	697	721	5,144
Darlington	112	130	167	127	150	174	130	990
Durham Dales Easington and Sedgefield	389	336	368	445	392	384	453	2,767
Hambleton Richmondshire and Whitby	156	202	202	146	180	219	194	1,299
Hartlepool and Stockton-On-Tees	344	348	356	338	421	421	340	2,568
Newcastle Gateshead	633	675	622	582	673	632	605	4,422
North Durham	336	281	305	301	304	314	411	2,252
North Tyneside	274	289	232	265	298	266	290	1,914
Northumberland	483	458	512	445	458	507	514	3,377
South Tees	318	354	397	371	375	373	396	2,584
South Tyneside	230	179	192	203	181	212	238	1,435
Sunderland	378	353	390	407	391	393	409	2,721
Total	4,314	4,258	4,599	4,405	4,604	4,592	4,701	31,473

Table 49: Crude number of radiotherapy episodes per 100,000 population, females, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Northern England	261	257	277	265	277	275	282
Cumbria	256	254	333	302	305	272	282
Darlington	209	241	309	235	277	321	240
Durham Dales, Easington & Sedgefield	279	241	264	318	282	276	325
Hambleton, Richmondshire & Whitby	209	269	269	195	239	292	259
Hartlepool & Stockton-On-Tees	239	241	246	232	288	287	232
Newcastle Gateshead	265	281	257	239	275	257	246
North Durham	279	232	249	245	246	253	331
North Tyneside	266	279	223	254	285	254	275
Northumberland	300	283	316	275	283	314	318
South Tees	227	253	282	265	268	265	283
South Tyneside	300	233	249	263	236	276	310
Sunderland	266	249	274	287	276	277	288

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Northern England SCN has been increasing steadily. However, there was a slight reduction in 2010/11, 2012/13 and 2014/15. This represents an 8% increase per 100,000 population, in females, over seven years.

Table 50: Age standardised rates per 100,000 population, females, Northern England SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Northern England	262 (254 - 269)	255 (248 - 263)	274 (267 - 283)	260 (252 - 268)	269 (261 - 277)	266 (258 - 274)	272 (264 - 280)
Cumbria	237 (219 - 256)	232 (215 - 251)	301 (281 - 323)	270 (251 - 290)	269 (251 - 289)	240 (222 - 259)	249 (231 - 268)
Darlington	219 (180 - 264)	245 (204 - 291)	312 (266 - 364)	233 (194 - 278)	277 (234 - 326)	317 (271 - 369)	239 (199 - 284)
Durham Dales, Easington & Sedgefield	274 (248 - 303)	235 (210 - 261)	255 (230 - 283)	305 (278 - 336)	268 (242 - 297)	261 (235 - 288)	306 (278 - 336)
Hambleton, Richmondshire & Whitby	189 (160 - 222)	241 (209 - 278)	239 (207 - 275)	171 (144 - 202)	207 (178 - 241)	252 (219 - 289)	222 (191 - 257)
Hartlepool & Stockton-on-Tees	254 (228 - 283)	256 (230 - 285)	262 (235 - 291)	243 (217 - 270)	300 (272 - 330)	295 (267 - 324)	238 (213 - 265)
Newcastle Gateshead	294 (271 - 318)	315 (292 - 340)	288 (266 - 312)	270 (248 - 293)	308 (285 - 333)	289 (267 - 313)	276 (254 - 299)
North Durham	281 (252 - 313)	233 (206 - 262)	250 (223 - 281)	246 (219 - 276)	244 (217 - 273)	250 (223 - 279)	327 (296 - 361)
North Tyneside	270 (239 - 305)	279 (247 - 313)	220 (192 - 250)	250 (221 - 283)	276 (246 - 310)	248 (219 - 280)	267 (237 - 300)
Northumberland	277 (252 - 303)	259 (235 - 284)	288 (263 - 314)	244 (222 - 268)	253 (230 - 278)	273 (249 - 298)	278 (255 - 304)
South Tees	239 (213 - 267)	262 (236 - 291)	294 (266 - 325)	273 (246 - 303)	274 (247 - 304)	269 (243 - 299)	286 (258 - 316)
South Tyneside	297 (260 - 338)	227 (195 - 263)	248 (214 - 286)	258 (224 - 297)	229 (196 - 265)	262 (228 - 300)	297 (260 - 338)
Sunderland	271 (245 - 300)	252 (226 - 280)	276 (249 - 305)	288 (260 - 317)	272 (245 - 300)	270 (244 - 299)	282 (255 - 311)

Table 51: Number of radiotherapy episodes in males, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Ashford	150	132	172	174	135	157	125	1,045
Brighton & Hove	218	270	292	286	278	319	241	1,904
Canterbury and Coastal	272	221	236	225	247	242	247	1,690
Coastal West Sussex	605	566	679	699	739	795	832	4,915
Crawley	94	108	83	105	95	127	124	736
Dartford Gravesham and Swanley	283	242	267	260	299	291	250	1,892
East Surrey	202	196	202	206	207	249	237	1,499
Eastbourne Hailsham and Seaford	219	234	248	236	232	239	255	1,663
Guildford and Waverley	211	222	244	209	239	251	258	1,634
Hastings & Rother	223	244	228	222	217	244	261	1,639
High Weald Lewes Havens	162	223	229	242	226	237	230	1,549
Horsham and Mid Sussex	228	216	233	280	265	289	335	1,846
Medway	218	236	239	232	263	268	236	1,692
North West Surrey	406	352	347	316	383	420	375	2,599
South Kent Coast	341	310	327	302	287	269	289	2,125
Surrey Downs	375	382	392	402	406	425	435	2,817
Surrey Heath	84	110	101	124	112	108	99	738
Swale	110	121	115	118	101	122	131	818
Thanet	215	200	167	182	183	169	178	1,294
West Kent	475	513	502	506	491	626	599	3,712
Total	5,091	5,098	5,303	5,326	5,405	5,847	5,737	37,807

Table 52: Crude number of radiotherapy episodes per 100,000 population, males, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South East Coast	241	238	245	244	246	263	258
Ashford	267	233	299	299	229	262	209
Brighton & Hove	165	202	214	207	199	226	171
Canterbury & Coastal	294	235	247	232	251	242	247
Coastal West Sussex	267	246	295	301	316	338	353
Crawley	184	207	157	196	176	232	225
Dartford, Gravesham & Swanley	238	202	220	212	241	232	199
East Surrey	243	233	238	240	238	282	268
Eastbourne, Hailsham & Seaford	259	274	288	271	264	268	286
Guildford & Waverley	223	232	251	213	241	250	258
Hastings & Rother	259	282	261	254	247	276	295
High Weald Lewes Havens	204	278	283	296	274	285	277
Horsham & Mid Sussex	214	200	215	256	241	259	300
Medway	168	181	182	175	196	197	174
North West Surrey	250	215	209	190	229	248	223
South Kent Coast	352	315	329	302	286	266	286
Surrey Downs	279	281	287	293	293	305	312
Surrey Heath	185	240	219	267	240	231	211
Swale	213	228	217	219	185	221	237
Thanet	338	310	258	279	278	253	267
West Kent	215	230	222	222	214	270	258

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the South East Coast SCN has been increasing steadily. However, there was a slight reduction in 2010/11, 2012/13 and 2015/16. This represents a 7% increase per 100,000 population, in males, over seven years.

Table 53: Age standardised rates per 100,000 population, males, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South East Coast	277 (269 - 284)	270 (263 - 278)	277 (270 - 285)	273 (265 - 280)	270 (262 - 277)	284 (277 - 292)	279 (272 - 287)
Ashford	331 (280 - 390)	282 (235 - 336)	358 (306 - 417)	356 (305 - 415)	258 (216 - 306)	297 (252 - 348)	236 (196 - 282)
Brighton & Hove	247 (215 - 283)	304 (268 - 344)	325 (288 - 365)	315 (279 - 354)	303 (267 - 341)	339 (302 - 380)	258 (226 - 293)
Canterbury & Coastal	325 (288 - 367)	257 (224 - 293)	273 (239 - 311)	254 (222 - 290)	268 (235 - 304)	256 (224 - 291)	263 (231 - 299)
Coastal West Sussex	250 (230 - 271)	226 (208 - 246)	271 (251 - 292)	273 (253 - 294)	281 (261 - 303)	296 (276 - 318)	308 (288 - 330)
Crawley	277 (223 - 342)	321 (262 - 391)	234 (185 - 294)	290 (236 - 354)	268 (216 - 331)	351 (292 - 421)	345 (286 - 415)
Dartford, Gravesham & Swanley	296 (262 - 334)	250 (219 - 284)	271 (239 - 306)	260 (229 - 294)	292 (260 - 328)	281 (250 - 316)	236 (207 - 268)
East Surrey	295 (255 - 340)	288 (248 - 332)	291 (252 - 335)	291 (252 - 335)	289 (251 - 332)	332 (292 - 377)	321 (281 - 365)
Eastbourne, Hailsham & Seaford	233 (203 - 267)	245 (214 - 279)	259 (228 - 294)	238 (209 - 272)	236 (206 - 269)	231 (203 - 264)	249 (219 - 283)
Guildford & Waverley	269 (233 - 308)	283 (247 - 324)	302 (265 - 343)	256 (222 - 294)	280 (246 - 319)	292 (257 - 331)	300 (264 - 339)
Hastings & Rother	250 (218 - 286)	267 (234 - 303)	247 (215 - 282)	235 (205 - 269)	225 (196 - 258)	244 (214 - 277)	266 (235 - 301)
High Weald Lewes Havens	211 (180 - 247)	284 (247 - 325)	287 (251 - 328)	295 (259 - 335)	265 (231 - 303)	275 (241 - 313)	263 (230 - 301)
Horsham & Mid Sussex	262 (229 - 299)	233 (203 - 267)	247 (216 - 282)	289 (256 - 326)	268 (236 - 303)	286 (253 - 321)	329 (295 - 367)
Medway	236 (205 - 272)	243 (212 - 277)	239 (209 - 274)	226 (198 - 259)	257 (227 - 292)	249 (220 - 282)	220 (192 - 252)
North West Surrey	313 (283 - 345)	266 (239 - 296)	256 (229 - 285)	234 (209 - 261)	272 (245 - 301)	291 (263 - 320)	259 (234 - 287)
South Kent Coast	372 (334 - 415)	327 (291 - 366)	337 (301 - 377)	306 (272 - 343)	282 (250 - 317)	254 (224 - 287)	277 (246 - 312)
Surrey Downs	316 (285 - 350)	312 (282 - 346)	314 (283 - 347)	317 (287 - 351)	314 (284 - 347)	327 (296 - 360)	326 (296 - 359)
Surrey Heath	234 (186 - 293)	301 (246 - 365)	266 (216 - 325)	313 (260 - 376)	270 (222 - 327)	261 (214 - 317)	235 (191 - 288)
Swale	254 (207 - 311)	279 (230 - 338)	251 (207 - 305)	254 (209 - 307)	212 (172 - 260)	252 (208 - 303)	269 (224 - 322)
Thanet	349 (304 - 400)	316 (273 - 363)	262 (224 - 306)	279 (240 - 324)	278 (239 - 322)	242 (207 - 282)	259 (222 - 301)
West Kent	259 (236 - 284)	269 (246 - 294)	262 (239 - 286)	260 (237 - 284)	248 (226 - 272)	303 (280 - 329)	293 (270 - 318)

Table 54: Number of radiotherapy episodes in females, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Ashford	193	143	163	172	172	175	172	1,190
Brighton & Hove	283	317	356	328	313	302	293	2,192
Canterbury and Coastal	310	247	311	311	262	288	311	2,040
Coastal West Sussex	641	618	709	683	709	702	617	4,679
Crawley	139	112	95	138	110	135	138	867
Dartford Gravesham and Swanley	348	293	347	309	302	350	301	2,250
East Surrey	239	229	223	237	239	215	269	1,651
Eastbourne Hailsham and Seaford	204	263	264	246	246	253	229	1,705
Guildford and Waverley	242	262	218	281	227	203	232	1,665
Hastings & Rother	224	242	226	265	219	259	256	1,691
High Weald Lewes Havens	221	273	213	268	268	210	245	1,698
Horsham and Mid Sussex	240	320	315	263	351	284	287	2,060
Medway	325	290	244	330	294	256	381	2,120
North West Surrey	427	478	451	341	456	444	410	3,007
South Kent Coast	291	323	322	303	347	275	282	2,143
Surrey Downs	461	442	402	456	381	451	444	3,037
Surrey Heath	105	103	139	124	111	135	142	859
Swale	114	110	127	88	82	184	93	798
Thanet	185	221	248	148	233	220	177	1,432
West Kent	569	593	546	595	636	625	602	4,166
Total	5,761	5,879	5,919	5,886	5,958	5,966	5,881	41,250

Table 55: Crude number of radiotherapy episodes per 100,000 population, females, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South East Coast	259	262	261	258	259	257	253
Ashford	324	237	267	278	274	276	271
Brighton & Hove	211	233	260	238	225	215	209
Canterbury & Coastal	308	244	302	301	252	274	295
Coastal West Sussex	259	248	283	271	280	275	241
Crawley	264	210	175	253	200	244	248
Dartford, Gravesham & Swanley	281	235	277	244	236	268	232
East Surrey	273	259	250	263	263	233	291
Eastbourne, Hailsham & Seaford	218	281	280	259	257	262	236
Guildford & Waverley	247	263	218	278	224	198	226
Hastings & Rother	240	258	240	282	232	273	270
High Weald Lewes Havens	264	324	250	311	308	238	278
Horsham & Mid Sussex	215	285	278	231	304	244	246
Medway	247	219	182	244	214	185	275
North West Surrey	255	282	264	199	264	255	236
South Kent Coast	288	317	313	293	336	265	272
Surrey Downs	323	308	278	314	260	306	302
Surrey Heath	222	219	294	261	232	281	296
Swale	216	206	236	162	149	329	166
Thanet	267	318	356	209	329	307	247
West Kent	248	256	233	252	267	260	250

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the South East Coast SCN has remained stable since 2009/10.

Table 56: Age standardised rates per 100,000 population, females, South East Coast SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South East Coast	261 (254 - 268)	263 (256 - 270)	262 (255 - 269)	257 (251 - 264)	257 (250 - 263)	253 (246 - 259)	250 (243 - 256)
Ashford	349 (301 - 403)	248 (209 - 293)	279 (238 - 327)	286 (244 - 332)	285 (244 - 332)	284 (243 - 330)	279 (239 - 324)
Brighton & Hove	267 (236 - 301)	293 (261 - 328)	324 (290 - 360)	301 (268 - 336)	280 (249 - 314)	264 (235 - 297)	258 (228 - 290)
Canterbury & Coastal	305 (271 - 342)	241 (211 - 274)	301 (268 - 337)	301 (268 - 337)	251 (221 - 284)	270 (240 - 304)	293 (261 - 329)
Coastal West Sussex	229 (212 - 248)	216 (199 - 234)	246 (228 - 265)	234 (216 - 252)	238 (221 - 257)	231 (214 - 250)	205 (189 - 222)
Crawley	333 (279 - 396)	252 (207 - 306)	216 (174 - 267)	316 (265 - 376)	244 (200 - 297)	289 (241 - 345)	308 (258 - 367)
Dartford, Gravesham & Swanley	309 (277 - 344)	256 (228 - 288)	299 (269 - 333)	262 (234 - 293)	251 (223 - 281)	292 (262 - 324)	252 (224 - 282)
East Surrey	291 (255 - 331)	273 (239 - 312)	261 (227 - 298)	274 (240 - 312)	277 (242 - 315)	243 (211 - 278)	305 (269 - 344)
Eastbourne, Hailsham & Seaford	190 (164 - 219)	253 (223 - 287)	253 (223 - 287)	224 (196 - 255)	221 (193 - 252)	225 (198 - 256)	206 (179 - 235)
Guildford & Waverley	253 (222 - 287)	267 (235 - 302)	223 (194 - 255)	289 (256 - 325)	235 (205 - 268)	202 (175 - 232)	234 (204 - 266)
Hastings & Rother	215 (187 - 246)	232 (203 - 264)	220 (192 - 252)	255 (225 - 289)	206 (179 - 236)	230 (203 - 261)	237 (209 - 269)
High Weald Lewes Havens	240 (209 - 275)	297 (262 - 335)	229 (199 - 262)	278 (245 - 314)	277 (244 - 313)	212 (184 - 244)	248 (217 - 282)
Horsham & Mid Sussex	217 (190 - 247)	287 (256 - 320)	278 (247 - 311)	223 (197 - 253)	297 (267 - 331)	240 (212 - 270)	236 (209 - 266)
Medway	287 (256 - 320)	255 (226 - 286)	208 (182 - 236)	278 (249 - 311)	244 (216 - 274)	209 (184 - 236)	311 (280 - 344)
North West Surrey	271 (246 - 298)	301 (274 - 329)	281 (255 - 308)	209 (187 - 232)	279 (253 - 306)	271 (246 - 298)	249 (226 - 275)
South Kent Coast	265 (235 - 298)	296 (264 - 331)	292 (261 - 327)	271 (241 - 304)	307 (275 - 342)	246 (217 - 278)	247 (219 - 278)
Surrey Downs	317 (289 - 348)	296 (269 - 326)	272 (246 - 301)	306 (278 - 336)	250 (225 - 277)	292 (265 - 321)	289 (263 - 318)
Surrey Heath	234 (191 - 284)	226 (184 - 275)	303 (254 - 358)	264 (220 - 316)	236 (194 - 285)	285 (239 - 338)	294 (248 - 348)
Swale	232 (191 - 280)	220 (180 - 266)	253 (211 - 302)	177 (141 - 218)	157 (125 - 195)	341 (293 - 394)	176 (142 - 216)
Thanet	256 (219 - 296)	296 (258 - 339)	325 (285 - 370)	187 (157 - 221)	299 (261 - 341)	280 (244 - 321)	230 (197 - 267)
West Kent	255 (235 - 277)	263 (242 - 286)	242 (222 - 263)	258 (238 - 280)	270 (249 - 292)	261 (241 - 282)	252 (232 - 274)

Table 57: Number of radiotherapy episodes in males, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Bath and North East Somerset	257	244	255	263	240	224	270	1,753
Bristol	369	430	431	424	433	398	446	2,931
Gloucestershire	835	899	959	885	879	863	848	6,168
Kernow	905	868	930	914	901	913	887	6,318
North East West Devon	1,091	1,156	1,194	1,193	1,244	1,367	1,297	8,542
North Somerset	217	289	266	279	295	314	305	1,965
Somerset	711	742	746	801	751	786	680	5,217
South Devon and Torbay	450	467	501	512	478	529	508	3,445
South Gloucestershire	291	334	365	294	361	296	367	2,308
Swindon	151	174	190	188	219	205	180	1,307
Wiltshire	560	563	601	600	623	577	594	4,118
Total	5,837	6,166	6,438	6,353	6,424	6,472	6,382	44,072

Table 58: Crude number of radiotherapy episodes per 100,000 population, males, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South West	264	277	288	282	282	282	278
Bath & North East Somerset	303	287	297	302	271	247	301
Bristol	177	204	202	196	197	180	201
Gloucestershire	287	306	327	300	296	288	283
Kernow	352	337	358	348	341	343	333
North Somerset	221	293	269	281	293	310	301
North, East, West Devon	262	276	282	281	290	315	299
Somerset	276	288	288	307	286	297	257
South Devon & Torbay	343	356	381	388	360	394	379
South Gloucestershire	226	256	279	223	271	218	272
Swindon	143	163	177	173	199	184	161
Wiltshire	243	241	256	254	263	242	249

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the South West SCN has been increasing steadily. However, there was a slight reduction in 2012/13 and 2015/16. This represents a 5% increase per 100,000 population, in males, over seven years.

Table 59: Age standardised rates per 100,000 population, males, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South West	291 (284 - 299)	302 (294 - 310)	311 (303 - 319)	299 (292 - 307)	296 (289 - 304)	291 (284 - 298)	288 (280 - 295)
Bath & North East Somerset	354 (312 - 400)	330 (289 - 374)	341 (300 - 386)	348 (307 - 393)	308 (270 - 351)	279 (243 - 318)	341 (301 - 384)
Bristol	274 (247 - 304)	312 (283 - 344)	316 (286 - 348)	302 (273 - 333)	309 (280 - 340)	279 (252 - 308)	305 (277 - 336)
Gloucestershire	329 (307 - 352)	341 (319 - 365)	362 (339 - 386)	323 (302 - 346)	313 (292 - 334)	298 (279 - 319)	295 (275 - 316)
Kernow	342 (320 - 366)	323 (302 - 346)	341 (319 - 364)	324 (303 - 346)	313 (293 - 335)	310 (290 - 332)	302 (282 - 323)
North Somerset	226 (197 - 258)	298 (264 - 335)	276 (244 - 312)	275 (243 - 309)	285 (253 - 320)	294 (262 - 329)	285 (254 - 320)
North, East, West Devon	272 (256 - 288)	283 (266 - 300)	290 (273 - 307)	284 (268 - 301)	292 (276 - 309)	312 (296 - 329)	294 (278 - 311)
Somerset	280 (260 - 302)	288 (267 - 309)	283 (263 - 305)	294 (274 - 315)	269 (250 - 289)	277 (258 - 298)	241 (223 - 260)
South Devon & Torbay	312 (284 - 343)	322 (294 - 354)	339 (310 - 370)	341 (312 - 372)	312 (284 - 342)	334 (306 - 364)	327 (299 - 357)
South Gloucestershire	278 (247 - 314)	314 (280 - 350)	335 (301 - 372)	257 (228 - 288)	316 (284 - 351)	251 (223 - 282)	313 (282 - 347)
Swindon	198 (167 - 234)	223 (190 - 260)	242 (208 - 281)	241 (207 - 279)	265 (230 - 303)	244 (211 - 281)	211 (180 - 245)
Wiltshire	278 (255 - 303)	272 (250 - 296)	285 (262 - 309)	279 (257 - 303)	281 (260 - 305)	254 (233 - 275)	262 (242 - 285)

Table 60: Number of radiotherapy episodes in females, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Bath and North East Somerset	226	302	255	217	292	254	285	1,831
Bristol	505	509	566	523	513	536	615	3,767
Gloucestershire	860	1,158	1,070	1,057	1,045	905	972	7,067
Kernow	869	946	934	907	913	870	897	6,336
North East West Devon	1,216	1,238	1,257	1,346	1,303	1,332	1,357	9,049
North Somerset	265	302	336	320	351	340	310	2,224
Somerset	851	811	776	819	759	848	779	5,643
South Devon and Torbay	472	464	516	497	514	524	495	3,482
South Gloucestershire	325	385	402	345	422	411	370	2,660
Swindon	220	249	196	232	256	208	210	1,571
Wiltshire	618	633	667	679	638	644	578	4,457
Total	6,427	6,997	6,975	6,942	7,006	6,872	6,868	48,087

Table 61: Crude number of radiotherapy episodes per 100,000 population, females, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South West	279	301	300	296	297	289	289
Bath & North East Somerset	254	339	285	240	319	275	307
Bristol	239	238	262	241	234	241	277
Gloucestershire	282	373	351	344	338	290	312
Kernow	318	344	338	326	326	308	318
North Somerset	256	290	320	305	331	318	290
North, East, West Devon	278	281	284	303	292	296	302
Somerset	315	300	284	299	275	306	281
South Devon & Torbay	333	329	367	352	362	365	345
South Gloucestershire	247	292	303	257	311	301	271
Swindon	210	233	182	213	233	188	190
Wiltshire	261	265	278	282	263	264	237

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the South West SCN has been decreasing since 2011/12. Overall, there is a 4% increase per 100,000 population, in females between 2009/10 and 2015/16.

Table 62: Age standardised rates per 100,000 population, females, South West SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
South West	275 (268 - 282)	295 (288 - 302)	292 (285 - 299)	286 (280 - 293)	285 (278 - 291)	276 (269 - 283)	276 (269 - 282)
Bath & North East Somerset	260 (227 - 297)	347 (308 - 389)	289 (255 - 328)	243 (212 - 279)	323 (286 - 363)	282 (248 - 320)	308 (273 - 346)
Bristol	310 (284 - 339)	302 (276 - 331)	338 (310 - 367)	313 (287 - 342)	301 (275 - 329)	311 (285 - 339)	359 (331 - 389)
Gloucestershire	278 (259 - 298)	364 (343 - 386)	341 (320 - 362)	331 (311 - 352)	324 (305 - 345)	273 (256 - 292)	297 (278 - 316)
Kernow	286 (267 - 306)	310 (290 - 331)	299 (280 - 319)	288 (269 - 307)	285 (266 - 304)	272 (254 - 292)	277 (259 - 296)
North Somerset	242 (214 - 274)	264 (235 - 297)	292 (261 - 326)	281 (250 - 314)	300 (269 - 334)	287 (257 - 320)	262 (234 - 294)
North, East, West Devon	262 (247 - 277)	265 (251 - 281)	267 (253 - 283)	283 (268 - 299)	270 (256 - 286)	275 (260 - 290)	281 (266 - 296)
Somerset	297 (278 - 318)	277 (259 - 298)	261 (242 - 280)	270 (252 - 290)	246 (229 - 265)	272 (254 - 291)	252 (234 - 270)
South Devon & Torbay	287 (261 - 315)	282 (257 - 310)	317 (290 - 346)	298 (272 - 326)	306 (280 - 335)	307 (281 - 335)	287 (262 - 315)
South Gloucestershire	264 (236 - 294)	309 (278 - 341)	315 (285 - 348)	267 (240 - 297)	320 (290 - 352)	307 (278 - 338)	275 (248 - 305)
Swindon	245 (213 - 280)	271 (238 - 308)	208 (179 - 240)	245 (214 - 279)	268 (236 - 303)	214 (185 - 245)	213 (185 - 245)
Wiltshire	263 (243 - 285)	265 (245 - 287)	275 (255 - 297)	275 (255 - 297)	255 (236 - 276)	252 (232 - 272)	227 (209 - 247)

Table 63: Number of radiotherapy episodes in males, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Aylesbury Vale	188	200	211	216	209	195	205	1,424
Bracknell and Ascot	115	115	151	109	135	134	142	901
Chiltern	283	344	377	318	303	316	349	2,290
Newbury and District	152	130	143	136	132	139	149	981
North & West Reading	126	131	159	153	136	172	148	1,025
Oxfordshire	620	752	759	754	831	744	764	5,224
Slough	87	95	81	80	67	114	107	631
South Reading	90	93	107	92	81	93	94	650
Windsor Ascot and Maidenhead	118	134	155	113	157	126	188	991
Wokingham	219	189	215	227	206	198	198	1,452
Total	1,998	2,183	2,358	2,198	2,257	2,231	2,344	15,569

Table 64: Crude number of radiotherapy episodes per 100,000 population, males, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Thames Valley	203	218	235	217	221	216	227
Aylesbury Vale	198	211	221	223	212	194	205
Bracknell & Ascot	179	177	232	166	203	200	211
Chiltern	186	220	243	205	194	201	222
Newbury & District	293	251	275	260	251	264	283
North & West Reading	259	268	327	315	277	347	300
Oxfordshire	199	237	238	235	257	227	234
Slough	129	136	115	113	94	156	148
South Reading	173	175	198	169	146	166	167
Windsor, Ascot & Maidenhead	177	198	228	165	227	180	269
Wokingham	287	244	279	292	264	251	252

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Thames Valley SCN has been increasing steadily. However, there was a slight reduction in 2012/13 and 2014/15. This represents a 12% increase per 100,000 population, in males, over seven years.

Table 65: Age standardised rates per 100,000 population, males, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Thames Valley	274 (262 - 287)	289 (277 - 302)	311 (298 - 324)	281 (269 - 293)	283 (271 - 295)	273 (262 - 285)	288 (276 - 300)
Aylesbury Vale	256 (220 - 297)	271 (234 - 313)	282 (245 - 325)	285 (247 - 327)	256 (222 - 294)	232 (200 - 268)	244 (211 - 281)
Bracknell & Ascot	265 (217 - 321)	257 (211 - 312)	336 (283 - 396)	224 (183 - 273)	283 (236 - 338)	265 (221 - 316)	280 (235 - 332)
Chiltern	219 (194 - 247)	263 (235 - 293)	284 (256 - 315)	235 (209 - 262)	219 (195 - 245)	225 (200 - 251)	247 (222 - 275)
Newbury & District	399 (337 - 470)	327 (272 - 390)	356 (299 - 421)	318 (266 - 378)	305 (255 - 364)	317 (266 - 376)	348 (294 - 410)
North & West Reading	333 (276 - 400)	335 (279 - 401)	403 (342 - 472)	381 (322 - 448)	330 (276 - 392)	405 (346 - 471)	358 (303 - 422)
Oxfordshire	261 (241 - 283)	302 (280 - 324)	303 (281 - 326)	292 (272 - 314)	318 (296 - 340)	277 (257 - 298)	284 (264 - 305)
Slough	252 (201 - 314)	264 (211 - 327)	225 (177 - 284)	206 (161 - 262)	174 (133 - 226)	311 (254 - 378)	295 (240 - 361)
South Reading	349 (279 - 433)	346 (276 - 429)	397 (323 - 484)	345 (276 - 426)	300 (236 - 375)	330 (265 - 407)	339 (272 - 417)
Windsor, Ascot & Maidenhead	225 (185 - 271)	249 (208 - 296)	289 (245 - 340)	203 (167 - 245)	282 (239 - 331)	220 (183 - 262)	327 (281 - 378)
Wokingham	391 (340 - 449)	316 (272 - 367)	360 (313 - 414)	366 (319 - 419)	318 (275 - 366)	305 (263 - 352)	304 (263 - 351)

Table 66: Number of radiotherapy episodes in females, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Aylesbury Vale	224	241	235	283	256	226	254	1,719
Bracknell and Ascot	138	168	158	157	179	153	190	1,143
Chiltern	358	437	431	401	382	404	442	2,855
Newbury and District	129	224	134	123	184	146	154	1,094
North & West Reading	132	160	146	152	161	157	146	1,054
Oxfordshire	660	789	775	827	834	812	735	5,432
Slough	89	154	114	117	108	88	144	814
South Reading	72	141	117	99	99	121	115	764
Windsor Ascot and Maidenhead	189	183	235	183	147	243	167	1,347
Wokingham	247	195	234	281	219	240	255	1,671
Total	2,238	2,692	2,579	2,623	2,569	2,590	2,602	17,893

Table 67: Crude number of radiotherapy episodes per 100,000 population, females, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Thames Valley	221	265	252	254	247	246	248
Aylesbury Vale	233	249	241	285	254	220	247
Bracknell & Ascot	210	254	237	234	262	223	276
Chiltern	222	271	267	247	234	245	267
Newbury & District	248	427	255	233	346	274	289
North & West Reading	261	315	288	300	316	307	286
Oxfordshire	206	244	239	253	253	244	222
Slough	132	224	161	164	151	122	200
South Reading	143	276	226	188	185	224	213
Windsor, Ascot & Maidenhead	276	264	338	257	207	340	234
Wokingham	318	249	298	355	274	298	317

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Thames Valley SCN has been increasing steadily. However, there was a slight reduction in 2011/12 and 2013/14. This represents a 12% increase per 100,000 population, in females, over seven years.

Table 68: Age standardised rates per 100,000 population, females, Thames Valley SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Thames Valley	251 (241 - 262)	298 (287 - 310)	281 (270 - 292)	282 (271 - 293)	270 (260 - 281)	269 (258 - 279)	270 (260 - 281)
Aylesbury Vale	246 (215 - 281)	265 (233 - 302)	255 (224 - 291)	297 (263 - 335)	261 (230 - 296)	228 (199 - 260)	257 (226 - 290)
Bracknell & Ascot	256 (215 - 305)	299 (255 - 350)	271 (230 - 319)	279 (236 - 327)	301 (258 - 350)	249 (211 - 293)	312 (268 - 361)
Chiltern	232 (208 - 257)	279 (254 - 307)	272 (247 - 299)	253 (229 - 280)	235 (212 - 260)	249 (226 - 275)	268 (244 - 295)
Newbury & District	272 (226 - 324)	464 (404 - 531)	270 (225 - 321)	253 (210 - 304)	364 (313 - 421)	291 (245 - 343)	304 (258 - 357)
North & West Reading	287 (239 - 341)	333 (283 - 390)	303 (256 - 358)	314 (266 - 369)	329 (280 - 385)	313 (266 - 367)	294 (248 - 347)
Oxfordshire	229 (211 - 247)	273 (254 - 293)	263 (244 - 282)	275 (256 - 294)	272 (254 - 291)	261 (243 - 279)	236 (219 - 254)
Slough	212 (169 - 263)	356 (300 - 420)	244 (199 - 297)	245 (201 - 297)	237 (193 - 288)	189 (151 - 236)	298 (249 - 354)
South Reading	208 (161 - 266)	431 (360 - 512)	364 (299 - 439)	295 (238 - 363)	284 (229 - 349)	352 (290 - 423)	351 (288 - 424)
Windsor, Ascot & Maidenhead	305 (262 - 352)	283 (243 - 328)	362 (317 - 412)	277 (238 - 321)	219 (184 - 258)	360 (316 - 409)	248 (212 - 289)
Wokingham	353 (310 - 400)	266 (230 - 307)	315 (276 - 359)	377 (334 - 424)	291 (254 - 333)	309 (271 - 352)	326 (287 - 369)

Table 69: Number of radiotherapy episodes in males, Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Dorset	1,128	1,158	1,207	1,251	1,087	1,159	1,225	8,215
Fareham and Gosport	210	204	241	216	284	302	321	1,778
Isle of Wight	155	180	192	209	243	237	263	1,479
North East Hampshire and Farnham	175	182	200	179	212	220	231	1,399
North Hampshire	192	197	173	179	218	234	237	1,430
Portsmouth	206	206	207	204	216	218	190	1,447
South Eastern Hampshire	254	264	279	306	287	289	336	2,015
Southampton	213	237	246	234	240	275	229	1,674
West Hampshire	605	662	656	608	668	707	735	4,641
Total	3,138	3,290	3,401	3,386	3,455	3,641	3,767	24,078

Table 70: Crude number of radiotherapy episodes per 100,000 population, males, Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Wessex	241	251	257	253	257	269	278
Dorset	316	320	330	339	292	310	327
Fareham & Gosport	219	215	252	223	293	309	328
Isle of Wight	230	267	285	308	360	349	387
North East Hampshire & Farnham	173	178	195	174	206	213	223
North Hampshire	185	188	163	167	201	216	218
Portsmouth	206	202	199	195	206	206	179
South Eastern Hampshire	254	262	275	300	281	282	328
Southampton	184	202	206	193	195	221	182
West Hampshire	233	253	249	230	251	264	275

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Wessex SCN has been increasing steadily. However, there was a slight reduction in 2012/13. This represents a 15% increase per 100,000 population, in males, over seven years.

Table 71: Age standardised rates per 100,000 population, males, Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Wessex	270 (260 - 279)	277 (268 - 287)	282 (273 - 292)	274 (265 - 283)	274 (265 - 284)	282 (273 - 291)	295 (285 - 304)
Dorset	306 (288 - 325)	310 (292 - 328)	318 (300 - 336)	322 (305 - 341)	274 (258 - 291)	286 (270 - 303)	302 (286 - 320)
Fareham & Gosport	241 (209 - 277)	234 (203 - 269)	278 (244 - 316)	236 (206 - 271)	309 (274 - 347)	319 (284 - 358)	348 (311 - 389)
Isle of Wight	212 (179 - 249)	241 (207 - 280)	254 (219 - 294)	272 (236 - 313)	307 (269 - 349)	299 (262 - 341)	328 (290 - 372)
North East Hampshire & Farnham	239 (205 - 279)	243 (208 - 282)	259 (224 - 299)	228 (195 - 265)	265 (230 - 304)	259 (226 - 297)	273 (238 - 311)
North Hampshire	245 (211 - 284)	240 (207 - 278)	203 (173 - 237)	208 (178 - 242)	246 (214 - 282)	255 (223 - 291)	260 (228 - 297)
Portsmouth	310 (268 - 356)	314 (272 - 361)	307 (266 - 353)	292 (252 - 336)	307 (267 - 352)	312 (271 - 357)	274 (236 - 316)
South Eastern Hampshire	265 (233 - 300)	270 (238 - 305)	282 (250 - 318)	301 (268 - 338)	280 (248 - 315)	273 (242 - 307)	318 (285 - 355)
Southampton	288 (250 - 330)	309 (271 - 352)	329 (289 - 374)	302 (263 - 344)	308 (270 - 351)	343 (303 - 387)	286 (249 - 327)
West Hampshire	244 (225 - 264)	261 (242 - 282)	254 (235 - 274)	230 (212 - 249)	247 (228 - 266)	255 (236 - 274)	265 (246 - 285)

Table 72: Number of radiotherapy episodes in females, Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Dorset	1,054	1,026	1,226	1,267	1,063	1,260	1,277	8,173
Fareham and Gosport	285	278	309	335	272	320	325	2,124
Isle of Wight	168	212	216	259	202	172	188	1,417
North East Hampshire and Farnham	213	228	258	209	236	250	243	1,637
North Hampshire	246	219	241	205	245	275	288	1,719
Portsmouth	225	254	242	215	303	233	258	1,730
South Eastern Hampshire	282	298	321	319	285	351	354	2,210
Southampton	258	228	246	265	239	251	252	1,739
West Hampshire	698	687	697	787	707	743	846	5,165
Total	3,429	3,430	3,756	3,861	3,552	3,855	4,031	25,914

Table 73: Crude number of radiotherapy episodes per 100,000 population, females , Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Wessex	255	253	275	281	257	277	290
Dorset	282	272	323	332	277	326	331
Fareham & Gosport	290	281	312	336	272	317	322
Isle of Wight	237	295	305	364	285	240	264
North East Hampshire & Farnham	209	222	249	201	226	238	231
North Hampshire	234	205	223	188	223	248	260
Portsmouth	227	253	237	210	296	226	250
South Eastern Hampshire	266	279	299	297	264	324	326
Southampton	225	197	211	224	200	207	209
West Hampshire	255	248	250	281	251	262	298

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Wessex SCN has been increasing steadily. However, there was a slight reduction in 2010/11 and 2013/14. This represents a 14% increase per 100,000 population, in females, over seven years.

Table 74: Age standardised rates per 100,000 population, females, Wessex SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Wessex	254 (245 - 263)	248 (240 - 257)	269 (261 - 278)	274 (265 - 283)	250 (242 - 258)	267 (259 - 276)	275 (266 - 283)
Dorset	257 (242 - 274)	243 (228 - 259)	290 (273 - 307)	298 (281 - 315)	247 (232 - 262)	287 (271 - 303)	273 (258 - 289)
Fareham & Gosport	284 (252 - 320)	276 (244 - 311)	297 (264 - 332)	320 (286 - 356)	257 (228 - 290)	295 (263 - 329)	296 (264 - 331)
Isle of Wight	207 (177 - 243)	264 (228 - 304)	260 (226 - 299)	308 (271 - 350)	248 (214 - 287)	204 (174 - 239)	219 (189 - 255)
North East Hampshire & Farnham	231 (200 - 264)	243 (212 - 278)	274 (242 - 311)	220 (191 - 252)	244 (213 - 277)	256 (225 - 290)	250 (220 - 284)
North Hampshire	255 (224 - 290)	224 (195 - 257)	242 (212 - 275)	201 (175 - 232)	235 (206 - 266)	256 (227 - 289)	268 (238 - 302)
Portsmouth	281 (245 - 321)	316 (277 - 358)	293 (256 - 333)	258 (225 - 296)	363 (323 - 407)	278 (243 - 317)	304 (267 - 344)
South Eastern Hampshire	249 (220 - 280)	264 (235 - 297)	276 (246 - 309)	278 (248 - 311)	242 (215 - 273)	293 (263 - 326)	298 (268 - 332)
Southampton	287 (252 - 325)	253 (221 - 289)	268 (235 - 304)	290 (256 - 328)	259 (227 - 295)	273 (240 - 310)	276 (243 - 313)
West Hampshire	245 (227 - 264)	230 (213 - 248)	233 (216 - 252)	260 (242 - 279)	231 (214 - 249)	243 (225 - 261)	274 (256 - 294)

Table 75: Number of radiotherapy episodes in males, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Birmingham CrossCity	572	610	541	539	648	624	626	4,160
Birmingham South and Central	159	117	136	151	170	148	152	1,033
Cannock Chase	160	161	154	160	153	156	211	1,155
Coventry and Rugby	495	498	463	529	600	566	500	3,651
Dudley	272	305	319	306	281	307	375	2,165
East Staffordshire	153	200	162	119	93	140	120	987
Herefordshire	304	330	316	267	285	242	313	2,057
North Staffordshire	236	275	325	309	350	298	309	2,102
Redditch and Bromsgrove	187	209	150	189	215	227	154	1,331
Sandwell and West Birmingham	369	310	347	344	402	381	335	2,488
Shropshire	295	309	366	337	348	346	360	2,361
Solihull	212	242	240	275	318	304	281	1,872
South East Staffs and Seisdon & Peninsular	211	252	250	218	237	264	231	1,663
South Warwickshire	315	271	267	281	338	336	289	2,097
South Worcestershire	402	385	416	416	388	367	275	2,649
Stafford and Surrounds	186	190	210	246	204	253	227	1,516
Stoke on Trent	257	249	333	322	353	350	320	2,184
Telford & Wrekin	151	122	147	137	169	139	168	1,033
Walsall	262	248	234	246	291	299	305	1,885
Warwickshire North	237	234	250	221	260	280	223	1,705
Wolverhampton	245	214	260	252	229	276	280	1,756
Wyre Forest	113	114	102	114	111	110	82	746
Total	5,793	5,845	5,988	5,978	6,443	6,413	6,136	42,596

Table 76: Crude number of radiotherapy episodes per 100,000 population, males, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
West Midlands	212	213	216	214	230	227	217
Birmingham CrossCity	167	177	155	152	182	174	174
Birmingham South & Central	164	122	140	153	171	148	153
Cannock Chase	249	249	236	244	232	235	318
Coventry & Rugby	246	244	223	250	278	257	227
Dudley	178	198	207	197	182	198	242
East Staffordshire	254	330	265	192	150	223	191
Herefordshire	339	367	350	293	310	262	338
North Staffordshire	227	263	309	293	329	278	290
Redditch & Bromsgrove	214	236	170	213	241	255	173
Sandwell & West Birmingham	162	133	148	145	168	157	139
Shropshire	197	205	240	220	227	225	233
Solihull	213	242	237	272	314	298	275
South East Staffs & Seisdon Peninsular	194	231	228	198	212	237	207
South Warwickshire	248	213	209	220	264	261	224
South Worcestershire	284	271	292	291	268	252	189
Stafford & Surrounds	251	253	279	325	268	332	298
Stoke on Trent	204	196	260	250	275	271	247
Telford & Wrekin	185	149	178	165	202	163	200
Walsall	202	189	177	185	217	221	227
Warwickshire North	259	255	271	239	280	302	241
Wolverhampton	201	174	210	203	184	221	224
Wyre Forest	230	234	211	236	229	225	168

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the West Midlands SCN remained steady between 2009/10 and 2012/13 with an increase in 2013/14. Radiotherapy episodes decreased again in 2014/15 and 2015/16. Overall, there was a 2% increase per 100,000 population, in males, over seven years.

Table 77: Age standardised rates per 100,000 population, males, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
West Midlands	259 (252 - 265)	258 (251 - 264)	261 (254 - 268)	254 (248 - 261)	269 (263 - 276)	264 (257 - 270)	253 (246 - 259)
Birmingham CrossCity	241 (221 - 262)	256 (236 - 278)	227 (208 - 247)	224 (206 - 245)	267 (247 - 289)	255 (236 - 277)	253 (233 - 274)
Birmingham South & Central	260 (220 - 305)	190 (157 - 229)	219 (183 - 261)	238 (201 - 281)	269 (230 - 314)	230 (193 - 271)	244 (206 - 287)
Cannock Chase	298 (252 - 351)	296 (250 - 349)	269 (227 - 318)	278 (236 - 326)	263 (222 - 310)	257 (218 - 302)	359 (312 - 413)
Coventry & Rugby	327 (299 - 358)	327 (298 - 357)	302 (275 - 331)	338 (309 - 368)	376 (346 - 408)	349 (321 - 379)	308 (281 - 336)
Dudley	203 (180 - 230)	217 (193 - 244)	227 (202 - 254)	215 (191 - 241)	191 (169 - 215)	209 (186 - 234)	255 (230 - 283)
East Staffordshire	303 (256 - 357)	404 (349 - 466)	313 (266 - 367)	221 (182 - 266)	169 (136 - 209)	255 (214 - 302)	213 (176 - 256)
Herefordshire	340 (302 - 381)	361 (323 - 403)	338 (302 - 378)	279 (246 - 315)	294 (261 - 331)	240 (210 - 273)	316 (282 - 354)
North Staffordshire	245 (214 - 280)	282 (249 - 318)	330 (295 - 369)	305 (272 - 342)	337 (302 - 375)	284 (252 - 319)	296 (263 - 332)
Redditch & Bromsgrove	250 (215 - 290)	273 (237 - 314)	197 (166 - 232)	234 (201 - 271)	258 (224 - 296)	272 (237 - 310)	184 (156 - 217)
Sandwell & West Birmingham	246 (221 - 273)	195 (173 - 219)	229 (206 - 256)	223 (200 - 249)	255 (230 - 282)	240 (216 - 266)	211 (189 - 236)
Shropshire	205 (182 - 230)	210 (187 - 235)	246 (222 - 274)	215 (193 - 240)	219 (196 - 244)	209 (188 - 233)	222 (199 - 247)
Solihull	238 (206 - 273)	271 (237 - 308)	260 (228 - 296)	295 (261 - 333)	335 (299 - 374)	312 (278 - 350)	287 (254 - 323)
South East Staffs & Seisdon Peninsular	215 (186 - 248)	252 (221 - 286)	255 (224 - 290)	208 (180 - 238)	220 (193 - 251)	244 (215 - 277)	210 (184 - 240)
South Warwickshire	274 (244 - 307)	232 (205 - 262)	224 (198 - 253)	235 (208 - 264)	272 (243 - 303)	262 (235 - 292)	226 (200 - 253)
South Worcestershire	297 (269 - 329)	281 (254 - 311)	299 (270 - 329)	291 (263 - 321)	267 (240 - 295)	247 (222 - 274)	181 (160 - 204)
Stafford & Surrounds	270 (232 - 313)	260 (224 - 302)	291 (252 - 335)	329 (289 - 374)	267 (231 - 307)	333 (293 - 378)	296 (259 - 338)
Stoke on Trent	261 (229 - 297)	243 (213 - 276)	320 (286 - 358)	312 (278 - 349)	341 (306 - 380)	332 (298 - 370)	310 (276 - 348)
Telford & Wrekin	245 (206 - 291)	205 (169 - 248)	241 (202 - 286)	211 (177 - 252)	250 (213 - 293)	207 (173 - 247)	250 (213 - 293)
Walsall	240 (212 - 272)	230 (202 - 261)	211 (184 - 240)	223 (196 - 254)	255 (226 - 287)	263 (234 - 295)	270 (240 - 303)
Warwickshire North	302 (264 - 345)	302 (264 - 345)	312 (274 - 356)	272 (236 - 312)	310 (273 - 352)	324 (287 - 365)	263 (229 - 301)
Wolverhampton	259 (227 - 294)	217 (189 - 249)	266 (234 - 301)	252 (222 - 286)	231 (202 - 263)	274 (242 - 309)	276 (244 - 310)
Wyre Forest	228 (187 - 277)	230 (189 - 279)	206 (167 - 252)	217 (178 - 263)	209 (171 - 253)	212 (174 - 257)	153 (121 - 192)

Table 78: Number of radiotherapy episodes in females, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Birmingham CrossCity	765	688	708	724	747	751	734	5,117
Birmingham South and Central	168	156	189	173	217	228	197	1,328
Cannock Chase	161	136	185	168	178	202	164	1,194
Coventry and Rugby	586	589	610	547	585	584	584	4,085
Dudley	319	345	358	391	439	402	363	2,617
East Staffordshire	156	172	147	148	136	161	154	1,074
Herefordshire	271	289	316	266	262	282	300	1,986
North Staffordshire	283	252	282	366	319	338	287	2,127
Redditch and Bromsgrove	215	232	226	257	235	249	182	1,596
Sandwell and West Birmingham	429	403	427	405	429	477	437	3,007
Shropshire	405	434	450	417	465	389	483	3,043
Solihull	307	328	286	263	308	323	287	2,102
South East Staffs and Seisdon & Peninsular	251	284	241	258	304	282	283	1,903
South Warwickshire	345	363	322	398	371	418	373	2,590
South Worcestershire	385	448	430	464	451	400	253	2,831
Stafford and Surrounds	193	223	237	236	224	250	252	1,615
Stoke on Trent	271	331	337	330	363	384	366	2,382
Telford & Wrekin	171	180	223	201	164	221	224	1,384
Walsall	357	310	295	311	341	322	327	2,263
Warwickshire North	287	246	273	305	307	365	302	2,085
Wolverhampton	247	288	291	257	308	357	313	2,061
Wyre Forest	118	139	118	128	134	109	84	830
Total	6,690	6,836	6,951	7,013	7,287	7,494	6,949	49,220

Table 79: Crude number of radiotherapy episodes per 100,000 population, females, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
West Midlands	238	242	244	245	254	259	240
Birmingham CrossCity	214	190	194	196	202	201	197
Birmingham South & Central	169	155	184	171	212	222	192
Cannock Chase	243	204	276	250	263	297	241
Coventry & Rugby	287	285	291	257	269	266	266
Dudley	201	217	225	245	275	250	225
East Staffordshire	253	278	237	237	217	256	245
Herefordshire	290	310	339	283	278	298	317
North Staffordshire	263	234	261	339	294	310	263
Redditch & Bromsgrove	241	260	252	285	260	274	200
Sandwell & West Birmingham	185	172	180	169	178	197	180
Shropshire	265	282	291	269	299	249	309
Solihull	289	309	269	246	287	299	266
South East Staffs & Seisdon Peninsular	225	253	213	228	269	249	250
South Warwickshire	263	276	246	303	283	317	283
South Worcestershire	261	303	290	311	300	265	165
Stafford & Surrounds	259	298	313	313	296	329	332
Stoke on Trent	210	257	261	255	280	295	281
Telford & Wrekin	205	215	265	238	193	259	262
Walsall	264	228	214	226	246	231	234
Warwickshire North	302	259	286	319	321	380	315
Wolverhampton	199	230	231	203	242	279	245
Wyre Forest	237	280	237	257	269	217	168

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the West Midlands SCN remained stable between 2009/10 and 2012/13, with an increase in 2013/14 and 2014/15. Radiotherapy episodes decreased again in 2015/16. Overall, there was a 1% increase per 100,000 population, in females, over seven years.

Table 80: Age standardised rates per 100,000 population, females, West Midlands SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
West Midlands	255 (249 - 261)	258 (252 - 264)	259 (253 - 266)	259 (253 - 265)	265 (259 - 271)	270 (264 - 276)	250 (244 - 256)
Birmingham CrossCity	265 (247 - 285)	235 (218 - 254)	240 (223 - 259)	247 (229 - 266)	251 (234 - 270)	250 (232 - 269)	245 (228 - 264)
Birmingham South & Central	225 (192 - 263)	209 (177 - 245)	250 (215 - 289)	229 (195 - 266)	285 (248 - 326)	301 (262 - 343)	256 (221 - 295)
Cannock Chase	254 (216 - 297)	208 (174 - 246)	283 (244 - 328)	253 (216 - 295)	263 (225 - 305)	293 (254 - 337)	238 (203 - 278)
Coventry & Rugby	329 (303 - 357)	331 (304 - 359)	341 (314 - 369)	298 (274 - 325)	311 (286 - 338)	313 (288 - 340)	310 (286 - 337)
Dudley	204 (182 - 228)	221 (198 - 246)	228 (205 - 253)	244 (220 - 270)	274 (249 - 301)	251 (227 - 278)	225 (202 - 250)
East Staffordshire	263 (223 - 309)	284 (243 - 330)	243 (205 - 286)	242 (204 - 284)	221 (185 - 261)	254 (216 - 297)	242 (205 - 284)
Herefordshire	261 (230 - 295)	279 (247 - 314)	307 (274 - 344)	253 (223 - 286)	244 (215 - 277)	261 (231 - 294)	279 (248 - 314)
North Staffordshire	255 (226 - 287)	224 (197 - 254)	250 (222 - 282)	316 (285 - 351)	274 (244 - 306)	285 (255 - 318)	244 (216 - 274)
Redditch & Bromsgrove	246 (214 - 281)	261 (228 - 297)	256 (223 - 292)	285 (251 - 323)	256 (224 - 292)	268 (235 - 304)	198 (170 - 230)
Sandwell & West Birmingham	240 (218 - 264)	224 (203 - 248)	231 (209 - 254)	219 (198 - 241)	230 (209 - 253)	254 (231 - 278)	231 (210 - 254)
Shropshire	243 (220 - 268)	263 (238 - 289)	266 (242 - 292)	243 (220 - 268)	269 (245 - 295)	224 (202 - 247)	268 (244 - 294)
Solihull	280 (249 - 314)	296 (264 - 330)	255 (226 - 287)	235 (207 - 266)	272 (242 - 305)	282 (252 - 315)	254 (225 - 285)
South East Staffs & Seisdon Peninsular	220 (193 - 249)	245 (217 - 276)	202 (177 - 230)	217 (192 - 246)	251 (223 - 281)	233 (207 - 263)	231 (205 - 260)
South Warwickshire	260 (233 - 290)	273 (246 - 303)	239 (214 - 267)	287 (260 - 318)	268 (241 - 297)	297 (269 - 327)	266 (239 - 294)
South Worcestershire	249 (225 - 276)	289 (262 - 317)	274 (248 - 301)	290 (264 - 318)	278 (253 - 306)	247 (223 - 273)	153 (135 - 174)
Stafford & Surrounds	248 (214 - 286)	276 (241 - 316)	288 (252 - 327)	283 (248 - 322)	267 (233 - 305)	296 (260 - 336)	297 (261 - 337)
Stoke on Trent	230 (203 - 259)	281 (252 - 314)	285 (255 - 317)	279 (249 - 311)	303 (273 - 336)	317 (286 - 351)	303 (272 - 336)
Telford & Wrekin	232 (198 - 270)	240 (206 - 278)	296 (258 - 338)	259 (225 - 299)	209 (178 - 244)	280 (244 - 320)	281 (245 - 321)
Walsall	284 (255 - 315)	245 (219 - 274)	230 (204 - 258)	242 (215 - 270)	261 (234 - 290)	246 (220 - 274)	248 (221 - 276)
Warwickshire North	311 (275 - 349)	263 (231 - 298)	290 (257 - 327)	322 (287 - 361)	317 (282 - 355)	370 (333 - 410)	306 (273 - 343)
Wolverhampton	221 (194 - 251)	255 (227 - 287)	254 (225 - 285)	223 (196 - 252)	266 (237 - 298)	305 (274 - 339)	271 (242 - 303)
Wyre Forest	224 (185 - 269)	264 (222 - 313)	220 (182 - 265)	233 (194 - 278)	248 (208 - 295)	190 (156 - 231)	144 (115 - 180)

Table 81: Number of radiotherapy episodes in males, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Airedale Wharfedale and Craven	159	189	192	205	222	194	195	1,356
Barnsley	243	216	269	220	252	292	282	1,774
Bassetlaw	158	120	161	156	147	128	175	1,045
Bradford City	33	38	33	48	32	24	47	255
Bradford Districts	259	270	265	308	298	300	307	2,007
Calderdale	182	194	211	216	209	205	215	1,432
Doncaster	340	320	391	339	421	381	376	2,568
East Riding of Yorkshire	448	450	467	507	514	545	527	3,458
Greater Huddersfield	217	218	223	241	227	228	246	1,600
Hardwick	133	127	109	140	124	132	159	924
Harrogate and Rural District	145	145	168	184	182	183	251	1,258
Hull	302	283	340	320	314	307	294	2,160
Leeds North	238	230	214	294	283	276	288	1,823
Leeds South and East	293	253	294	279	266	237	277	1,899
Leeds West	300	316	325	368	337	365	355	2,366
North Derbyshire	312	349	357	346	356	407	359	2,486
North East Lincolnshire	184	205	206	184	199	210	205	1,393
North Kirklees	129	130	155	165	169	171	171	1,090
North Lincolnshire	204	192	238	212	216	258	257	1,577
Rotherham	256	269	258	304	275	286	297	1,945
Scarborough and Ryedale	156	146	126	153	144	190	155	1,070
Sheffield	474	530	558	577	601	564	601	3,905
Vale of York	349	366	362	399	375	363	421	2,635
Wakefield	330	341	342	365	392	397	358	2,525
Total	5,844	5,897	6,264	6,530	6,555	6,643	6,818	44,551

Table 82: Crude number of radiotherapy episodes per 100,000 population, males, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Yorkshire and The Humber	214	215	226	235	234	236	243
Airedale, Wharfedale & Craven	210	247	248	267	289	252	253
Barnsley	216	190	236	191	217	249	240
Bassetlaw	283	214	287	278	261	226	309
Bradford City	82	92	75	110	75	56	110
Bradford Districts	162	168	164	189	182	181	187
Calderdale	185	196	211	214	207	202	212
Doncaster	229	215	262	227	280	252	250
East Riding of Yorkshire	295	295	305	330	333	353	341
Greater Huddersfield	189	188	189	205	190	190	206
Hardwick	252	239	205	261	230	244	294
Harrogate & Rural District	188	188	216	236	235	238	327
Hull	236	220	265	248	243	237	227
Leeds North	248	240	223	304	293	286	298
Leeds South & East	259	221	252	236	223	194	227
Leeds West	194	203	208	234	213	231	225
North Derbyshire	235	261	268	259	266	305	269
North East Lincolnshire	237	263	262	235	254	268	262
North Kirklees	144	144	169	179	182	182	182
North Lincolnshire	250	232	288	255	259	307	307
Rotherham	204	214	204	240	216	224	232
Scarborough & Ryedale	293	274	235	285	269	354	289
Sheffield	179	197	205	209	217	201	215
Vale of York	213	220	215	236	220	211	244
Wakefield	208	214	214	227	241	243	220

The total number of radiotherapy episodes in males, per year, per 100,000 population, for the Yorkshire and the Humber SCN has been increasing steadily. This represents a 14% increase per 100,000 population, in males, over seven years.

Table 83: Age standardised rates per 100,000 population, males, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Yorkshire and the Humber	260 (253 - 267)	258 (252 - 265)	271 (265 - 278)	277 (270 - 284)	273 (267 - 280)	272 (266 - 279)	279 (272 - 286)
Airedale, Wharfedale & Craven	229 (194 - 269)	267 (230 - 308)	265 (229 - 307)	280 (242 - 321)	296 (258 - 339)	254 (219 - 293)	254 (219 - 293)
Barnsley	246 (216 - 281)	218 (189 - 250)	269 (237 - 305)	210 (182 - 240)	240 (210 - 272)	278 (246 - 312)	266 (235 - 300)
Bassetlaw	303 (257 - 357)	229 (190 - 276)	302 (257 - 354)	281 (238 - 330)	267 (225 - 316)	226 (188 - 270)	317 (271 - 369)
Bradford City	211 (143 - 302)	216 (150 - 305)	177 (117 - 261)	287 (205 - 396)	196 (131 - 285)	135 (84 - 212)	254 (180 - 352)
Bradford Districts	235 (207 - 267)	238 (210 - 269)	231 (204 - 262)	263 (234 - 295)	252 (224 - 284)	247 (220 - 278)	259 (230 - 290)
Calderdale	230 (197 - 268)	245 (211 - 284)	253 (219 - 291)	257 (223 - 295)	242 (209 - 279)	235 (203 - 270)	241 (209 - 277)
Doncaster	272 (243 - 304)	254 (227 - 284)	308 (278 - 341)	262 (235 - 292)	317 (287 - 350)	284 (256 - 314)	283 (255 - 314)
East Riding of Yorkshire	284 (258 - 312)	283 (258 - 312)	290 (264 - 318)	305 (278 - 333)	303 (277 - 331)	315 (289 - 344)	302 (277 - 330)
Greater Huddersfield	236 (205 - 271)	242 (210 - 277)	236 (206 - 270)	244 (213 - 278)	228 (199 - 261)	228 (199 - 261)	243 (213 - 276)
Hardwick	273 (228 - 326)	254 (211 - 304)	218 (178 - 265)	270 (227 - 321)	241 (200 - 290)	248 (207 - 296)	297 (252 - 349)
Harrogate & Rural District	208 (175 - 246)	202 (170 - 238)	234 (199 - 272)	246 (211 - 285)	241 (207 - 280)	236 (203 - 273)	322 (283 - 366)
Hull	331 (294 - 372)	311 (275 - 351)	374 (334 - 417)	341 (304 - 382)	331 (295 - 371)	321 (286 - 361)	310 (275 - 349)
Leeds North	289 (253 - 328)	282 (246 - 321)	256 (222 - 293)	354 (315 - 398)	335 (296 - 376)	319 (282 - 359)	330 (293 - 371)
Leeds South & East	358 (318 - 403)	313 (275 - 355)	366 (325 - 412)	348 (307 - 392)	316 (279 - 358)	272 (238 - 311)	319 (281 - 360)
Leeds West	297 (264 - 334)	311 (277 - 349)	317 (283 - 355)	349 (313 - 387)	316 (283 - 353)	346 (311 - 384)	334 (300 - 372)
North Derbyshire	246 (219 - 276)	268 (240 - 298)	274 (246 - 305)	260 (233 - 289)	259 (233 - 288)	290 (262 - 320)	256 (230 - 285)
North East Lincolnshire	273 (235 - 317)	298 (258 - 342)	296 (256 - 340)	258 (222 - 299)	283 (245 - 326)	285 (247 - 327)	282 (245 - 325)
North Kirklees	195 (162 - 234)	187 (156 - 224)	219 (185 - 259)	230 (195 - 270)	233 (199 - 273)	231 (197 - 270)	232 (198 - 271)
North Lincolnshire	283 (245 - 327)	255 (219 - 295)	313 (274 - 357)	273 (237 - 314)	275 (239 - 316)	321 (282 - 364)	314 (276 - 356)
Rotherham	238 (209 - 270)	247 (218 - 280)	227 (200 - 257)	266 (236 - 298)	242 (214 - 273)	249 (220 - 280)	253 (225 - 284)
Scarborough & Ryedale	278 (236 - 326)	254 (214 - 300)	217 (180 - 260)	267 (226 - 314)	240 (202 - 284)	316 (272 - 365)	255 (216 - 300)
Sheffield	233 (212 - 255)	259 (237 - 283)	275 (253 - 300)	277 (255 - 301)	282 (260 - 306)	264 (242 - 287)	280 (258 - 304)
Vale of York	243 (218 - 270)	248 (223 - 275)	246 (221 - 273)	265 (239 - 293)	240 (216 - 266)	229 (206 - 254)	268 (243 - 295)
Wakefield	247 (220 - 276)	244 (218 - 272)	240 (215 - 268)	253 (227 - 281)	269 (243 - 299)	268 (242 - 296)	240 (216 - 267)

Table 84: Number of radiotherapy episodes in females, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	Total
Airedale Wharfedale and Craven	161	167	168	217	199	212	209	1,333
Barnsley	273	248	274	317	296	307	284	1,999
Bassetlaw	150	128	158	137	173	177	155	1,078
Bradford City	29	31	47	38	37	39	43	264
Bradford Districts	291	293	315	316	318	348	314	2,195
Calderdale	219	228	180	218	290	221	206	1,562
Doncaster	343	323	385	389	406	407	412	2,665
East Riding of Yorkshire	456	493	571	536	583	524	530	3,693
Greater Huddersfield	275	255	251	245	260	280	255	1,821
Hardwick	108	119	130	146	155	158	128	944
Harrogate and Rural District	167	222	155	210	256	186	228	1,424
Hull	386	342	373	360	363	351	325	2,500
Leeds North	252	287	250	351	228	281	323	1,972
Leeds South and East	257	240	269	308	315	286	295	1,970
Leeds West	301	348	394	399	399	410	357	2,608
North Derbyshire	275	323	359	354	375	359	365	2,410
North East Lincolnshire	217	221	251	208	193	276	224	1,590
North Kirklees	201	177	150	223	196	176	220	1,343
North Lincolnshire	185	210	205	229	291	210	229	1,559
Rotherham	270	275	297	301	334	330	304	2,111
Scarborough and Ryedale	183	132	158	177	130	166	215	1,161
Sheffield	598	561	647	642	654	614	656	4,372
Vale of York	357	355	346	404	393	428	390	2,673
Wakefield	362	425	402	411	381	402	424	2,807
Total	6,316	6,403	6,735	7,136	7,225	7,148	7,091	48,054

Table 85: Crude number of radiotherapy episodes per 100,000 population, females, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Yorkshire and The Humber	223	225	235	248	251	247	245
Airedale, Wharfedale & Craven	199	206	206	266	244	260	256
Barnsley	234	212	232	267	248	255	236
Bassetlaw	264	225	276	240	300	307	269
Bradford City	77	78	119	96	93	97	107
Bradford Districts	173	173	185	185	186	203	183
Calderdale	212	218	172	208	275	209	195
Doncaster	225	211	251	254	264	265	268
East Riding of Yorkshire	285	308	356	333	363	325	329
Greater Huddersfield	232	214	209	202	213	229	208
Hardwick	198	217	236	264	280	281	229
Harrogate & Rural District	208	276	189	259	315	231	283
Hull	300	268	292	280	283	273	253
Leeds North	245	279	244	339	220	270	313
Leeds South & East	220	203	224	254	257	231	239
Leeds West	188	216	244	245	245	251	218
North Derbyshire	199	234	258	255	270	258	263
North East Lincolnshire	268	272	308	256	237	339	274
North Kirklees	216	190	160	236	207	184	230
North Lincolnshire	220	249	241	269	340	243	267
Rotherham	206	210	226	229	254	249	230
Scarborough & Ryedale	322	232	278	311	229	293	377
Sheffield	219	203	231	228	231	216	231
Vale of York	207	204	197	228	220	237	217
Wakefield	219	256	241	246	227	238	251

The total number of radiotherapy episodes in females, per year, per 100,000 population, for the Yorkshire and the Humber SCN has been increasing steadily. However, there was a slight reduction in 2014/15 and 2015/16. This represents a 10% increase per 100,000 population, in females, over seven years.

Table 86: Age standardised rates per 100,000 population, females, Yorkshire and the Humber SCN

Clinical Commissioning Group	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Yorkshire and the Humber	237 (231 - 243)	238 (232 - 244)	248 (242 - 254)	260 (254 - 266)	260 (254 - 266)	255 (249 - 261)	254 (248 - 260)
Airedale, Wharfedale & Craven	196 (166 - 229)	198 (169 - 231)	200 (170 - 233)	254 (221 - 291)	232 (201 - 268)	244 (212 - 280)	242 (210 - 279)
Barnsley	241 (213 - 272)	215 (189 - 244)	238 (210 - 268)	270 (241 - 302)	249 (221 - 279)	253 (226 - 284)	233 (207 - 263)
Bassetlaw	259 (219 - 304)	217 (181 - 259)	265 (225 - 311)	228 (191 - 270)	284 (243 - 331)	288 (247 - 334)	255 (216 - 299)
Bradford City	142 (93 - 210)	137 (90 - 202)	244 (177 - 332)	194 (135 - 271)	183 (127 - 257)	204 (142 - 285)	210 (149 - 290)
Bradford Districts	210 (186 - 236)	208 (184 - 234)	222 (198 - 248)	221 (197 - 248)	222 (198 - 248)	239 (214 - 266)	217 (194 - 243)
Calderdale	223 (194 - 255)	231 (202 - 263)	181 (155 - 210)	213 (185 - 244)	281 (249 - 316)	212 (185 - 243)	198 (172 - 228)
Doncaster	234 (210 - 261)	220 (196 - 245)	261 (236 - 289)	260 (235 - 287)	268 (243 - 296)	266 (241 - 294)	272 (246 - 300)
East Riding of Yorkshire	257 (233 - 282)	276 (252 - 302)	313 (287 - 340)	289 (265 - 315)	309 (284 - 335)	274 (251 - 299)	278 (255 - 304)
Greater Huddersfield	249 (221 - 281)	230 (202 - 260)	223 (196 - 253)	216 (189 - 245)	224 (197 - 253)	239 (212 - 269)	219 (193 - 248)
Hardwick	195 (160 - 236)	210 (174 - 252)	229 (191 - 273)	254 (214 - 299)	267 (227 - 314)	267 (227 - 313)	216 (180 - 258)
Harrogate & Rural District	200 (171 - 234)	265 (231 - 303)	178 (150 - 209)	235 (204 - 271)	288 (254 - 327)	211 (182 - 245)	255 (223 - 292)
Hull	353 (319 - 391)	321 (287 - 357)	344 (310 - 382)	329 (296 - 366)	331 (298 - 368)	319 (287 - 355)	296 (264 - 330)
Leeds North	251 (221 - 285)	284 (251 - 319)	249 (219 - 282)	346 (310 - 385)	221 (193 - 252)	272 (241 - 306)	313 (280 - 350)
Leeds South & East	264 (233 - 299)	248 (217 - 282)	271 (239 - 306)	308 (275 - 345)	314 (280 - 352)	284 (251 - 319)	296 (263 - 332)
Leeds West	240 (214 - 270)	273 (245 - 304)	310 (280 - 343)	316 (286 - 349)	306 (276 - 338)	318 (287 - 350)	276 (247 - 306)
North Derbyshire	185 (164 - 209)	218 (195 - 244)	238 (214 - 265)	230 (206 - 256)	246 (221 - 273)	229 (206 - 255)	238 (214 - 265)
North East Lincolnshire	274 (238 - 313)	277 (241 - 316)	316 (278 - 358)	259 (225 - 298)	237 (205 - 274)	339 (300 - 382)	272 (237 - 311)
North Kirklees	254 (220 - 293)	219 (188 - 254)	182 (154 - 214)	271 (237 - 310)	234 (202 - 269)	208 (178 - 241)	263 (229 - 301)
North Lincolnshire	222 (191 - 257)	250 (217 - 286)	240 (208 - 275)	266 (233 - 304)	331 (294 - 372)	234 (203 - 269)	260 (227 - 297)
Rotherham	214 (189 - 242)	215 (190 - 242)	232 (206 - 260)	233 (207 - 261)	253 (226 - 282)	251 (225 - 280)	232 (206 - 260)
Scarborough & Ryedale	283 (243 - 329)	201 (168 - 240)	246 (209 - 289)	271 (232 - 316)	201 (168 - 241)	253 (215 - 296)	324 (281 - 372)
Sheffield	249 (229 - 270)	232 (213 - 252)	266 (246 - 288)	263 (243 - 284)	264 (244 - 285)	247 (228 - 268)	267 (247 - 288)
Vale of York	211 (190 - 235)	205 (184 - 228)	199 (179 - 222)	229 (207 - 253)	218 (197 - 241)	234 (212 - 258)	215 (194 - 238)
Wakefield	228 (205 - 253)	265 (240 - 292)	248 (224 - 274)	254 (230 - 280)	229 (206 - 253)	240 (217 - 265)	253 (229 - 278)

ASR Key findings

Strategic Clinical Network

Variation in the use of radiotherapy by Strategic Clinical Network (SCN) and gender has been observed. In males, Cheshire and Merseyside SCN delivered statistically significantly more radiotherapy from 2009/10 to 2015/16. North West and South London SCN and South West SCN delivered significantly more radiotherapy for 5 out of 7 years. North and East London SCN and the Yorkshire and The Humber SCN delivered significantly less radiotherapy for 5 out of 7 years. Northern England SCN delivered significantly less radiotherapy from 2009/10 to 2014/15 and West Midlands SCN delivered significantly less radiotherapy from 2009/10 to 2015/16.

Delivery of radiotherapy amongst females is statistically significantly lower when compared to the England average in North and East London SCN from 2009/10 to 2013/14 and in 2015/16. South East Coast SCN and the Yorkshire and The Humber SCN delivered significantly less radiotherapy for 5 out of 7 years. South West SCN delivered statistically significantly less radiotherapy from 2009/10 to 2013/14 and in 2015/16.

North West and South London SCN delivered statistically significantly more radiotherapy in 2009/10 but significantly less radiotherapy in 2013/14 and 2015/16, (ASR= 268, CI: 266 – 270) vs. (ASR= 258, CI: 251 - 265) (ASR= 265, CI: 263 – 267) vs. (ASR= 252, CI: 245 - 259) respectively. When comparing cancer incidence in 2009 with 2014 calendar year, North West and South London SCN have seen an increase in cancer incidence, this difference is significant (ASR=506, CI: 496 – 517) and (ASR=534, CI: 524 – 544) respectively.

Greater Manchester, Lancashire and South Cumbria SCN have shown no statistically significant difference in the delivery of radiotherapy from 2009/10 to 2015/16 in females when compared to England. In males, Greater Manchester, Lancashire and South Cumbria SCN delivered statistically significantly more radiotherapy than England in 2011/12, 2013/14 and 2014/15.

Radiotherapy events are dependent on the number of cancers diagnosed within a region, with around 95% of all radiotherapy treatments being delivered to cancer patients. Regions that have higher cancer incidence are more likely to have a higher rate of radiotherapy events.

When looking at cancer incidence for the calendar year 2014 by SCN, the results show, that for all cancers (C00-C97 exc C44), Cheshire and Merseyside SCN, Greater Manchester, Lancashire and South Cumbria SCN and Northern England SCN all have statistically significantly higher cancer incidence in both males and females when compared to England.

Radiotherapy delivery in these regions in 2014/15, in males, show that Cheshire and Merseyside SCN and Greater Manchester, Lancashire and South Cumbria SCN delivered statistically significantly more radiotherapy when compared to England. Northern England delivered significantly less radiotherapy.

In females, the delivery of radiotherapy in 2014/15 in Greater Manchester, Lancashire and South Cumbria SCN and Northern England SCN show no significant difference when compared to England.

Clinical Commissioning Group

Cheshire and Merseyside SCN

Within the Cheshire and Merseyside SCN, in males, West Cheshire CCG delivered statistically significantly more radiotherapy in 2011/12. This is the only year, and the only CCG that delivered statistically significantly more radiotherapy than the SCN average.

Southport & Formby CCG delivered significantly less radiotherapy compared to the SCN average from 2010/11 to 2013/14 and 2015/16. Cancer Incidence was significantly lower in Southport & Formby CCG compared to the SCN average in 2010 (ASR=626, CI: 562 – 696) vs. (ASR=716, CI: 699 – 734). There was no significant difference in cancer incidence in other years.

St Helens CCG delivered significantly less radiotherapy in 2009/10, 2010/11, 2012/13 and 2013/14. Cancer Incidence was significantly lower in St Helens CCG compared to the SCN average in 2010 (ASR=607, CI: 551 – 671) vs. (ASR=716, CI: 699 – 734). There was no significant difference in cancer incidence in other years.

In females, Knowsley CCG and West Cheshire CCG delivered significantly more radiotherapy in 2013/14. Cancer incidence was significantly higher in Knowsley CCG when compared to the SCN average in 2009 (ASR=673, CI: 614 – 738) vs. (ASR=567, CI: 553 – 580). There was no significant difference in cancer incidence in other years and no significant difference in cancer incidence in West Cheshire CCG from 2009 to 2014 calendar year when compared to the SCN average.

Halton CCG delivered significantly less radiotherapy in 2009/10, 2010/11 and 2015/16. There was no significant difference in cancer incidence when compared to the SCN average from 2009 to 2014 calendar year.

East Midlands SCN

Within the East Midlands SCN, in males, Lincolnshire East CCG and South Lincolnshire CCG delivered statistically significantly less radiotherapy in 2009/10 and 2010/11. Cancer Incidence in Lincolnshire East CCG was statistically significantly higher compared to the SCN average in 2010 calendar year (ASR=760, CI: 710 – 813) vs. (ASR=677, CI: 663 – 691). There was no significant difference in cancer incidence in other years and no significant difference in cancer incidence in South Lincolnshire CCG from 2009 to 2014 calendar year compared to the SCN average.

Southern Derbyshire CCG delivered statistically significantly more radiotherapy in 2010/11 and 2011/12. There was no significant difference in cancer incidence in Southern Derbyshire CCG from 2009 to 2014 calendar year.

In females, Lincolnshire East CCG delivered statistically significantly less radiotherapy in 2009/10 and 2010/11 with no significant difference from 2011/12. There was no significant difference in cancer incidence in Lincolnshire East CCG from 2009 to 2014 calendar year.

Lincolnshire West CCG delivered statistically significantly less radiotherapy in 2009/10 and 2010/11 with no significant difference from 2011/12. There was no significant difference in cancer incidence in Lincolnshire West CCG from 2009 to 2014 calendar year.

East Leicestershire and Rutland CCG delivered statistically significantly more radiotherapy in 2010/11, 2011/12 and 2014/15, with no significant difference in other years. Cancer incidence was significantly higher in East Leicestershire and Rutland CCG in 2011 calendar year compared to the SCN average (ASR=611, CI: 575 – 650) vs. (ASR=553, CI: 541 – 564). There was no significant difference in cancer incidence in other years.

Nottingham City CCG delivered significantly more radiotherapy in 2014/15 and 2015/16. There was no significant difference in cancer incidence in Nottingham City CCG from 2009 to 2014 calendar year.

Rushcliffe CCG delivered significantly more radiotherapy in 2010/11 and 2013/14, but significantly less in 2012/13 and 2015/16. There was no significant difference in cancer incidence in Rushcliffe CCG from 2009 to 2014 calendar year.

East of England SCN

Within the East of England SCN, in males, Ipswich & East Suffolk CCG delivered statistically significantly more radiotherapy when compared to the SCN average from 2009/10 to 2015/16. Cancer incidence in Ipswich & East Suffolk CCG was not significantly different from the SCN average between 2009 and 2014 calendar year.

North East Essex CCG delivered significantly more radiotherapy in 2009/10, 2011/12, 2012/13, 2014/15 and 2015/16. Cancer incidence was significantly higher in North East Essex CCG in 2011 calendar year compared to the SCN average (ASR=735, CI: 692 – 781) vs. (ASR=650, CI: 641 – 660). There was no significant difference in cancer incidence in other years.

Nene CCG delivered significantly less radiotherapy from 2009/10 to 2015/16 and Luton CCG delivered significantly less in 2009/10 and from 2012/13 to 2014/15. There was no statistically significant difference in cancer incidence when compared with the SCN average between 2009 and 2014 calendar year for either CCG.

In females, North East Essex CCG delivered significantly more radiotherapy from 2009/10 to 2012/13 and 2014/15. There was no significant difference in cancer incidence from 2009 to 2014 calendar year when compared to the SCN average.

Ipswich and East Suffolk CCG delivered significantly more radiotherapy in 2009/10, 2010/11 and from 2012/13 to 2015/16. Cancer incidence was significantly higher in Ipswich and East Suffolk CCG in 2012 calendar year compared to the SCN average (ASR=469, CI: 440 – 499) vs. (ASR=535, CI: 527 – 543). There was no significant difference in cancer incidence in other years.

Greater Manchester, Lancashire and South Cumbria SCN

Within Greater Manchester, Lancashire and South Cumbria SCN, in males, Blackburn with Darwin CCG delivered statistically significantly less radiotherapy in 2010/11, 2012/13, 2013/14 and 2014/15. Cancer incidence was significantly higher in Blackburn with Darwin CCG in 2011 calendar year compared to the SCN average (ASR=592, CI: 523 – 670) vs. (ASR=707, CI: 694 – 721). There was no significant difference in cancer incidence in other years when compared to the SCN average.

South Manchester CCG delivered significantly more radiotherapy in 2009/10, 2010/11 and 2012/13. Cancer incidence was significantly higher in South Manchester CCG in 2011 and 2012 calendar year compared to the SCN average. (ASR=858, CI: 742 – 923) vs. (ASR=707, CI: 694 – 721) and (ASR=856, CI: 769 – 953) vs. (ASR=722, CI: 709 – 735) respectively. There was no significant difference in cancer incidence in other years.

Stockport CCG also delivered significantly more radiotherapy in 2010/11, 2011/12 and 2013/14. Cancer incidence in Stockport CCG was not significantly different when compared to the SCN average from 2009 to 2014 calendar year.

Fylde & Wyre have shown no significance difference when compared to the SCN average from 2009/10 to 2014/15. 2015/16 has shown a statistically significant increase in the delivery of radiotherapy compared to the SCN average.

In females, Salford CCG delivered statistically significantly more radiotherapy in 2010/11 and from 2012/13 to 2014/15. Cancer incidence was significantly higher in Salford CCG in 2013 calendar year compared to the SCN average (ASR=666, CI: 616 – 719) vs. (ASR=580, CI: 570 – 591). There was no significant difference in cancer incidence in other years.

South Manchester CCG delivered significantly more radiotherapy in 2011/12, 2014/15 and 2015/6 compared to the SCN average. Cancer incidence was significantly higher in South Manchester CCG in 2011 and 2014 calendar year compared to the SCN average (ASR=689, CI: 622 – 762) vs. (ASR=567, CI: 557 – 578) and (ASR=693, CI: 627 – 765) vs. (ASR=575, CI: 564 – 585) respectively. There was no significant difference in cancer incidence in other years.

North and East London SCN

Within the North and East London SCN, in males, Redbridge CCG delivered statistically significantly less radiotherapy in 2009/10, 2010/11 and from 2012/13 to 2015/16. Cancer incidence was significantly lower in Redbridge CCG in 2010 and 2013 calendar year compared to the SCN average. (ASR=592, CI: 539 – 650) vs. (ASR=669, CI: 651 – 688) and (ASR=524, CI: 476 – 576) vs. (ASR=665, CI: 648 – 683) respectively. There was no significant difference in cancer incidence in other years.

Enfield CCG delivered significantly more radiotherapy in 2011/12, 2013/14 and 2015/16. Cancer incidence in Enfield CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

In females, Newham CCG delivered significantly less radiotherapy in 2009/10, 2010/11, 2012/13, 2013/14 and 2015/16. Cancer incidence was significantly lower in Newham CCG in 2013 calendar year compared to the SCN average (ASR=441, CI: 395 – 492) vs. (ASR=519, CI: 506 – 533). There was no significant difference in cancer incidence in other years.

Redbridge CCG delivered significantly less radiotherapy in 2010/11, 2011/12 and 2014/15. Cancer incidence was significantly lower in Redbridge CCG in 2012 calendar year compared to the SCN average (ASR=437, CI: 398 – 479) vs. (ASR=499, CI: 485 – 512). There was no significant difference in cancer incidence in other years.

North West and South London SCN

Within the North West and South London SCN, in males, Harrow CCG delivered statistically significantly less radiotherapy between 2010/11 and 2015/16. Cancer incidence in Harrow CCG was statistically significantly lower than the SCN average from 2009 to 2014 calendar year.

Cancer incidence by calendar year

2009 - (ASR=515, CI: 466 – 569) vs. (ASR=664, CI: 650 – 678)
2010 - (ASR=512, CI: 463 – 566) vs. (ASR=648, CI: 634 – 661)
2011 - (ASR=580, CI: 529 – 636) vs. (ASR=657, CI: 643 – 670)
2012 - (ASR=568, CI: 518 – 622) vs. (ASR=661, CI: 648 – 675)
2013 - (ASR=563, CI: 514 – 616) vs. (ASR=692, CI: 679 – 706)
2014 - (ASR=575, CI: 526 – 628) vs. (ASR=674, CI: 661 – 687)

Lambeth CCG delivered significantly more radiotherapy from 2010/11 to 2012/13 and 2015/16. Cancer incidence in Lambeth CCG was statistically significantly higher than the SCN average from 2009 to 2013 calendar year.

Cancer incidence by calendar year

2009 - (ASR=877, CI: 802 – 960) vs. (ASR=664, CI: 650 – 678)
2010 - (ASR=749, CI: 681 – 824) vs. (ASR=648, CI: 634 – 661)
2011 - (ASR=784, CI: 714 – 861) vs. (ASR=657, CI: 643 – 670)
2012 - (ASR=822, CI: 750 – 899) vs. (ASR=661, CI: 648 – 675)
2013 - (ASR=793, CI: 724 – 868) vs. (ASR=692, CI: 679 – 706)

In females, Sutton CCG delivered statistically significantly more radiotherapy compared to the SCN average from 2009/10 to 2011/12 and from 2013/14 to 2015/16. Cancer incidence in Sutton CCG was statistically significantly higher than the SCN average in 2009, (ASR=590, CI: 539 – 645) vs. (ASR=506, CI: 496 – 516). There was no significant difference in cancer incidence in other years.

Central London CCG delivered significantly less radiotherapy from 2009/10 to 2011/12 and 2014/15 to 2015/16. Cancer incidence in Central London CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Northern England SCN

Within the Northern England SCN, in males, North Durham delivered statistically significantly less radiotherapy in 2009/10, 2010/11, 2012/13 and 2014/15. Cancer incidence was significantly lower in North Durham CCG in 2009 and 2013 calendar year compared to the SCN average. (ASR=612, CI: 562 – 667) vs. (ASR=690, CI: 675 – 704) and (ASR=646, CI: 598 – 698) vs. (ASR=716, CI: 702 – 730) respectively. There was no significant difference in cancer incidence in other years.

Hartlepool and Stockton-On-Tees CCG delivered significantly more radiotherapy from 2011/12 to 2015/16. Cancer incidence in Hartlepool and Stockton-On-Tees CCG was not significantly different from the SCN average from 2009 to 2014 calendar year.

South Tees CCG delivered significantly more radiotherapy in 2009/10, 2011/12, 2013/14 and 2014/15. Cancer incidence in South Tees CCG was statistically significantly higher than the SCN average in 2009, 2012 and 2013 calendar year.

Cancer incidence by calendar year

2009 - (ASR=791, CI: 738 – 849) vs. (ASR=690, CI: 675 – 704)

2012 - (ASR=807, CI: 755 – 863) vs. (ASR=709, CI: 695 – 723)

2013 - (ASR=805, CI: 753 – 861) vs. (ASR=716, CI: 702 – 730)

In females, Hambleton, Richmondshire and Whitby CCG delivered significantly less radiotherapy in 2009/10, 2012/13, 2013/14 and 2015/16. Cancer incidence in Hambleton, Richmondshire and Whitby CCG was statistically significantly lower than the SCN average in 2009, 2012 and 2013 calendar year.

Cancer incidence by calendar year

2009 - (ASR=439, CI: 395 – 487) vs. (ASR=557, CI: 546 – 569)

2012 - (ASR=507, CI: 460 – 558) vs. (ASR=581, CI: 570 – 593)

2013 - (ASR=500, CI: 454 – 551) vs. (ASR=576, CI: 565 – 587)

Newcastle Gateshead CCG delivered significantly more radiotherapy in 2009/10, 2010/11 and 2013/14. Cancer incidence was significantly higher in Newcastle Gateshead CCG in 2010 and 2013 calendar year compared to the SCN average. (ASR=603, CI: 571– 637) vs. (ASR=548, CI: 537 – 560) and (ASR=655, CI: 622 – 690) vs. (ASR=576, CI: 565 – 587) respectively. There was no significant difference in cancer incidence in other years.

South East Coast SCN

Within the South East Coast SCN, in males, Surrey Downs CCG delivered statistically significantly more radiotherapy compared to the SCN average in 2009/10, 2010/11 and from 2012/13 to 2015/16, there was no significant difference in 2011/12. Cancer incidence in Surrey Downs CCG was statistically significantly lower than the SCN average in 2013, (ASR=636, CI: 593 – 682) vs. (ASR=702, CI: 690 – 714). There was no significant difference in cancer incidence in other years.

South Kent Coast CCG delivered statistically significantly more radiotherapy between 2009/10 and 2011/12 compared to the SCN average.

Cancer incidence in South Kent Coast CCG was statistically significantly higher from 2009 to 2011 and in 2014 compared to the SCN average

Cancer incidence by calendar year

2009 - (ASR=738, CI: 683 – 798) vs. (ASR=646, CI: 634 – 658)

2010 - (ASR=759, CI: 704 – 818) vs. (ASR=655, CI: 643 – 666)

2011 - (ASR=726, CI: 673 – 783) vs. (ASR=657, CI: 645 – 668)

2014 - (ASR=750, CI: 698 – 806) vs. (ASR=684, CI: 673 – 695)

In females, Swale CCG delivered statistically significantly less radiotherapy compared to the SCN average in 2012/13, 2013/14 and 2015/16 and delivering significantly more radiotherapy in 2014/15. Cancer incidence was significantly lower in Swale CCG in 2012 and significantly higher in 2014 calendar year compared to the SCN average. (ASR=439, CI: 383 – 501) vs. (ASR=516, CI: 506 – 525) and (ASR=711, CI: 641 – 787) vs. (ASR=534, CI: 525 – 544) respectively. There was no significant difference in cancer incidence in other years.

Surrey Downs CCG delivered significantly more radiotherapy in 2009/10, 2012/13 and from 2014/15 to 2015/16 with no significant difference in other years. Cancer incidence in Surrey Downs CCG was not significantly different from the SCN average from 2009 to 2014 calendar year.

South West SCN

Within the South West SCN, in males, Swindon CCG delivered statistically significantly less radiotherapy compared to the SCN average from 2009/10 to 2012/13 and from 2014/15 to 2015/16. Cancer incidence in Swindon CCG was statistically significantly higher than the SCN average in 2013, (ASR=754, CI: 693 – 819) vs. (ASR=676, CI: 665 – 687). There was no significant difference in cancer incidence in other years.

Bath and North East Somerset CCG delivered statistically significantly more radiotherapy compared to the SCN average in 2009/10, 2012/13 and 2015/16. Cancer incidence in Bath and North East Somerset CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Gloucestershire CCG delivered statistically significantly more radiotherapy compared to the SCN average from 2009/10 to 2011/12. Cancer incidence was significantly lower in Gloucestershire CCG in 2010 and 2013 calendar year compared to the SCN average. (ASR=635, CI: 604 – 667) vs. (ASR=683, CI: 672 – 695) and (ASR=629, CI: 599 – 659) vs. (ASR=676, CI: 665 – 687) respectively. There was no significant difference in cancer incidence in other years.

South Devon and Torbay CCG delivered statistically significantly more radiotherapy in 2012/13, 2014/15 and 2015/16. Cancer incidence in South Devon and Torbay CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

In females, Gloucestershire CCG delivered statistically significantly more radiotherapy from 2010/11 to 2013/14. Cancer incidence in Gloucestershire CCG was statistically significantly lower than the SCN average in 2009 and 2013 calendar year. (ASR=492, CI: 467 – 517) vs. (ASR=532, CI: 523 – 541) and (ASR=518, CI: 494 – 544) vs. (ASR=559, CI: 550 – 568) respectively. There was no significant difference in cancer incidence in other years.

Bristol CCG delivered significantly more radiotherapy in 2009/10, 2011/12, 2014/15 and 2015/16. Cancer incidence in Bristol CCG was statistically significantly higher than the SCN average in 2009, 2011 and 2012 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2009 - (ASR=633, CI: 595 – 673) vs. (ASR=532, CI: 523 – 541)

2011 - (ASR=610, CI: 573 – 649) vs. (ASR=545, CI: 536 – 555)

2012 - (ASR=596, CI: 560 – 635) vs. (ASR=543, CI: 534 – 552)

Swindon CCG delivered significantly less radiotherapy in 2011/12, 2012/13, 2014/15 and 2015/16. Cancer incidence in Swindon CCG was not significantly different from the SCN average from 2009 to 2014 calendar year.

Thames Valley SCN

Within the Thames Valley SCN, in males, Chiltern CCG delivered statistically significantly less radiotherapy in 2009/10 and from 2012/13 to 2015/16. Cancer incidence in Chiltern CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Slough CCG delivered significantly less radiotherapy from 2011/12 to 2013/14. Cancer incidence in Slough CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

North and West Reading CCG delivered significantly more radiotherapy in 2011/12, 2012/13, 2014/15 and 2015/16. Cancer incidence in North and West Reading CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

In females, South Reading CCG delivered significantly more radiotherapy compared to the SCN average in 2010/11, 2011/12, 2014/15 and 2015/16. Cancer incidence in South Reading CCG was statistically significantly higher than the SCN average in 2011, (ASR=618, CI: 534 – 819) vs. (ASR=510, CI: 495 – 524). There was no significant difference in cancer incidence in other years.

Wessex SCN

Within the Wessex SCN, in males, Dorset CCG delivered significantly more radiotherapy compared to the SCN average from 2009/10 to 2012/13.

Cancer incidence was significantly higher in Dorset CCG in 2009 and 2012 calendar year compared to the SCN average. (ASR=711, CI: 684 – 739) vs. (ASR=664, CI: 650 – 680) and (ASR=767, CI: 740 – 796) vs. (ASR=700, CI: 685– 715) respectively. There was no significant difference in cancer incidence in other years.

In females, Isle of Wight CCG delivered statistically significantly less radiotherapy compared to the SCN average in 2009/10, 2014/15 and 2015/16 and Portsmouth CCG delivered significantly more radiotherapy in 2010/11 and 2013/14.

Cancer incidence was significantly higher in Isle of Wight CCG in 2012 and significantly lower in 2014 calendar year compared to the SCN average. (ASR=619, CI: 567 – 675) vs. (ASR=548, CI: 536 – 560) and (ASR=481, CI: 435 – 531) vs. (ASR=547, CI: 535 – 559) respectively. There was no significant difference in cancer incidence in other years.

West Midlands SCN

Within the West Midlands SCN, in males, Coventry and Rugby CCG delivered statistically significantly more radiotherapy from 2009/10 to 2015/16. Cancer incidence in Coventry and Rugby CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Herefordshire CCG delivered significantly more radiotherapy in 2009/10, 2010/11, 2011/12 and 2015/16. Cancer incidence was significantly lower in Herefordshire CCG in 2009 calendar year compared to the SCN average (ASR=569, CI: 520 – 624) vs. (ASR=663, CI: 652 – 674). There was no significant difference in cancer incidence in other years.

North Staffordshire CCG delivered significantly more radiotherapy in 2011/12, 2012/13, 2013/14 and 2015/16. Cancer incidence was significantly lower in North Staffordshire CCG in 2014 calendar year compared to the SCN average (ASR=592 CI: 546 – 643) vs. (ASR=661, CI: 651 – 671). There was no significant difference in cancer incidence in other years.

Stoke on Trent CCG delivered significantly more radiotherapy from 2011/12 to 2015/16. Cancer incidence in Stoke on Trent CCG was statistically significantly higher than the SCN average in 2009, 2012, 2013 and 2014 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2009 - (ASR=734, CI: 678 – 795) vs. (ASR=663, CI: 652 – 674)

2012 - (ASR=768, CI: 713 – 828) vs. (ASR=694, CI: 683 – 705)

2013 - (ASR=777, CI: 722 – 836) vs. (ASR=700, CI: 689 – 711)

2014 - (ASR=741, CI: 688 – 798) vs. (ASR=661, CI: 651 – 671)

Dudley CCG delivered significantly less radiotherapy from 2009/10 to 2014/15. Cancer incidence was significantly higher in Dudley CCG in 2011 calendar year compared to the SCN average. (ASR=744 CI: 698 – 793) vs. (ASR=667, CI: 656 – 678). There was no significant difference in cancer incidence in other years.

Shropshire CCG delivered significantly less radiotherapy in 2009/10, 2010/11 and from 2012/13 to 2014/15. Cancer incidence in Shropshire CCG was statistically significantly lower than the SCN average in 2009, 2010, 2012 and 2014 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2009 - (ASR=602, CI: 561 – 645) vs. (ASR=663, CI: 652 – 674)

2010 - (ASR=592, CI: 553 – 635) vs. (ASR=665, CI: 654 – 676)

2012 - (ASR=638, CI: 598 – 681) vs. (ASR=694, CI: 683 – 705)

2014 - (ASR=591, CI: 553 – 631) vs. (ASR=661, CI: 651 – 671)

South East Staffs and Seisdon Peninsular CCG delivered significantly less radiotherapy in 2009/10, 2012/13, 2013/14 and 2015/16. Cancer incidence in South East Staffs and Seisdon Peninsular CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Wyre Forest CCG delivered significantly less radiotherapy in 2011/12 and from 2013/14 to 2015/16. Cancer incidence in Wyre Forest CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

In females, Coventry and Rugby CCG delivered statistically significantly more radiotherapy from 2009/10 to 2015/16. Cancer incidence in Coventry and Rugby CCG was not significantly different to the SCN average from 2009 to 2014 calendar year; this was also observed in males.

Warwickshire North CCG delivered significantly more radiotherapy in 2009/10 and from 2012/13 to 2015/16. Cancer incidence in Warwickshire North CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Dudley CCG delivered statistically significantly less radiotherapy from 2009/10 to 2011/12. Cancer incidence in Dudley CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Sandwell and West Birmingham CCG delivered statistically significantly less radiotherapy in 2010/11, 2012/13 and 2013/14. Cancer incidence in Sandwell and West Birmingham CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Yorkshire and the Humber SCN

Within the Yorkshire and The Humber SCN, in males, Leeds West CCG delivered statistically significantly more radiotherapy compared to the SCN average from 2010/11 to 2015/16. Cancer incidence was significantly higher in Leeds West CCG in 2011 and 2012 calendar year compared to the SCN average. (ASR=793, CI: 737 – 852) vs. (ASR=715, CI: 703 – 726) and (ASR=780, CI: 725 – 838) vs. (ASR=703, CI: 692 – 714) respectively. There was no significant difference in cancer incidence in other years.

Leeds North CCG delivered statistically significantly more radiotherapy than the SCN average from 2012/13 to 2015/16. Cancer incidence in North Leeds CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

Hull CCG delivered statistically significantly more radiotherapy than the SCN average from 2009/10 to 2014/15. Cancer incidence in Hull CCG was statistically significantly higher than the SCN average in 2009, 2011, 2013 and 2014 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2009 - (ASR=834, CI: 773 – 900) vs. (ASR=711, CI: 699 – 722)

2011 - (ASR=808, CI: 748 – 873) vs. (ASR=715, CI: 703 – 726)

2013 - (ASR=835, CI: 775 – 899) vs. (ASR=719, CI: 708 – 730)

2014 - (ASR=762, CI: 706 – 823) vs. (ASR=676, CI: 665 – 687)

Leeds South & East CCG delivered statistically significantly more radiotherapy than the SCN average from 2009/10 to 2012/13. Cancer incidence was significantly higher in Leeds South & East CCG in 2010 calendar year compared to the SCN average. (ASR=787 CI: 725 – 854) vs. (ASR=696, CI: 685 – 708). There was no significant difference in cancer incidence in other years.

North Kirklees CCG delivered statistically significantly less radiotherapy from 2009/10 to 2012/13 and 2015/16. Cancer incidence in North Kirklees CCG was not significantly different to the SCN average from 2009 to 2014 calendar year.

In females, Airedale, Wharfedale & Craven CCG delivered statistically significantly less radiotherapy than the SCN average from 2009/10 and 2011/12. Cancer incidence was significantly lower in Airedale, Wharfedale & Craven CCG in 2009 calendar year compared to the SCN average. (ASR=451 CI: 406 – 499) vs. (ASR=542, CI: 533 - 551). There was no significant difference in cancer incidence in other years.

Bradford District CCG delivered statistically significantly less radiotherapy than the SCN average in 2012/13, 2013/14 and 2015/16. Cancer incidence in Bradford District CCG was not significantly different from the SCN average between 2009 and 2014 calendar year.

Calderdale CCG delivered statistically significantly less radiotherapy than the SCN average in 2011/12, 2012/13, 2014/15 and 2015/16. Cancer incidence was significantly lower in Calderdale CCG in 2014 calendar year compared to the SCN average. (ASR=466 CI: 425– 510) vs. (ASR=554, CI: 545 - 563). There was no significant difference in cancer incidence in other years.

Leeds North CCG delivered statistically significantly more radiotherapy in 2010/11, 2012/13 and 2015/16 and significantly less radiotherapy in 2013/14. Cancer incidence in Leeds North CCG was not significantly different from the SCN average between 2009 and 2014 calendar year.

East Riding of Yorkshire CCG delivered statistically significantly more radiotherapy than the SCN average in 2010/11, 2011/12 and 2013/14. Cancer incidence in East Riding of Yorkshire CCG was not significantly different from the SCN average from 2009 to 2014 calendar year.

Leeds West CCG delivered statistically significantly more radiotherapy from 2010/11 to 2014/15 with no significant difference in other years. Cancer incidence in Leeds West CCG was statistically significantly higher than the SCN average in 2011, 2013 and 2014 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2011 - (ASR=671, CI: 626 – 718) vs. (ASR=555, CI: 546 – 564)

2013 - (ASR=609, CI: 567 – 653) vs. (ASR=556, CI: 547 – 565)

2014 - (ASR=609, CI: 567 – 653) vs. (ASR=554, CI: 545 – 563)

Hull CCG delivered statistically significantly more radiotherapy from 2009/10 to 2015/16. Cancer incidence was significantly higher in Hull CCG in 2009 calendar year compared to the SCN average. (ASR=612 CI: 566 – 661) vs. (ASR=542, CI: 533 - 551). There was no significant difference in cancer incidence in other years.

Leeds South & East CCG delivered statistically significantly more radiotherapy in 2012/13, 2013/14 and 2015/16. Cancer incidence in Leeds South & East CCG was statistically significantly higher than the SCN average in 2010, 2011 and 2012 calendar year. There was no significant difference in cancer incidence in other years.

Cancer incidence by calendar year

2010 - (ASR=621, CI: 572 – 672) vs. (ASR=539, CI: 530 – 547)

2011 - (ASR=657, CI: 607 – 710) vs. (ASR=555, CI: 546 – 564)

2012 - (ASR=628, CI: 579 – 679) vs. (ASR=557, CI: 549 – 566)

Vale of York CCG delivered statistically significantly less radiotherapy from 2010/11 to 2013/14 and 2015/16. Cancer incidence in Vale of York CCG was not significantly different from the SCN average between 2009 and 2014 calendar year.

Number and percent of episodes by SCN, CCG and broad age band

Table 87: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Cheshire and Merseyside SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Eastern Cheshire	108 (3%)	1,028 (24%)	2,520 (59%)	630 (15%)
Halton	81 (4%)	595 (29%)	1,202 (58%)	206 (10%)
Knowsley	117 (4%)	771 (29%)	1,476 (55%)	331 (12%)
Liverpool	281 (4%)	2,037 (26%)	4,548 (57%)	1,065 (13%)
South Cheshire	107 (3%)	776 (24%)	1,944 (61%)	370 (12%)
South Sefton	96 (3%)	846 (27%)	1,717 (55%)	445 (14%)
Southport and Formby	54 (2%)	532 (24%)	1,301 (58%)	368 (16%)
St Helens	118 (4%)	820 (26%)	1,817 (58%)	382 (12%)
Vale Royal	65 (3%)	499 (26%)	1,164 (60%)	212 (11%)
Warrington	136 (4%)	967 (28%)	1,922 (56%)	409 (12%)
West Cheshire	145 (3%)	1,130 (23%)	2,945 (59%)	759 (15%)
Wirral	202 (3%)	1,602 (24%)	3,904 (58%)	1,041 (15%)
Total	1,510 (3%)	11,603 (25%)	26,460 (58%)	6,218 (14%)

For each CCG within the Cheshire and Merseyside SCN between 2009/10 and 2015/16, the majority of radiotherapy was delivered to patients aged 60 to 70 years. This is the same pattern for each CCG in England. This correlates with the number of cancers diagnosed in patients aged 60 to 70 years. In 2014 (calendar year) in England, of all cancers registered, 53% were in patients aged between 60 and 79 years. Cancers diagnosed in patients aged 0 - 39 years represented 5% of all tumours registered.

Figure 5: Percentage of episodes (persons) by CCG and broad age band, Cheshire and Merseyside SCN, April 09 to March 16

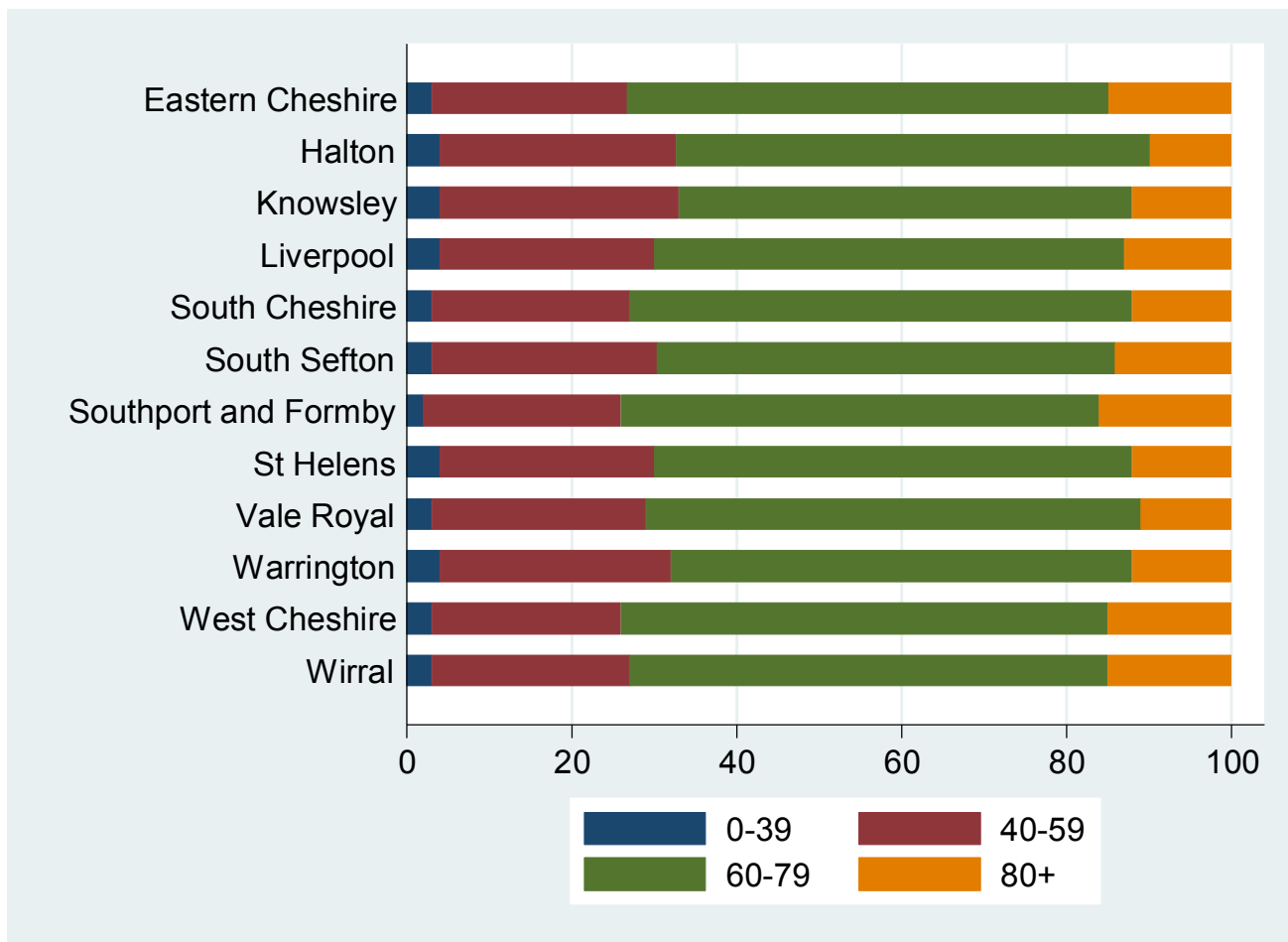


Table 88: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, East Midlands SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
East Leicestershire and Rutland	198 (3%)	1,565 (24%)	3,659 (57%)	1,033 (16%)
Erewash	52 (3%)	458 (27%)	984 (59%)	181 (11%)
Leicester City	197 (5%)	1,132 (28%)	2,154 (53%)	614 (15%)
Lincolnshire East	126 (3%)	945 (21%)	2,891 (63%)	624 (14%)
Lincolnshire West	133 (3%)	940 (24%)	2,379 (60%)	541 (14%)
Mansfield & Ashfield	109 (3%)	874 (27%)	1,962 (59%)	356 (11%)
Newark & Sherwood	58 (3%)	497 (25%)	1,203 (60%)	238 (12%)
Nottingham City	211 (5%)	1,125 (28%)	2,174 (54%)	542 (13%)
Nottingham North & East	82 (3%)	666 (24%)	1,628 (59%)	370 (14%)
Nottingham West	61 (3%)	506 (24%)	1,240 (59%)	287 (14%)
Rushcliffe	62 (3%)	471 (23%)	1,191 (59%)	294 (15%)
South Lincolnshire	73 (3%)	611 (24%)	1,557 (60%)	363 (14%)
South West Lincolnshire	61 (3%)	513 (23%)	1,426 (63%)	279 (12%)
Southern Derbyshire	289 (3%)	2,067 (24%)	5,005 (59%)	1,166 (14%)
West Leicestershire	213 (3%)	1,660 (24%)	3,978 (58%)	959 (14%)
Total	1,925 (3%)	14,030 (25%)	33,431 (58%)	7,847 (14%)

Figure 6: Percentage of episodes (persons) by CCG and broad age band, East Midlands SCN, April 09 to March 16



Table 89: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, East of England SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Basildon and Brentwood	185 (5%)	975 (24%)	2,296 (57%)	548 (14%)
Bedfordshire	231 (3%)	1,932 (28%)	4,067 (58%)	782 (11%)
Cambridgeshire and Peterborough	541 (4%)	3,649 (25%)	8,415 (58%)	1,946 (13%)
Castle Point, Rayleigh and Rochford	108 (3%)	814 (23%)	2,060 (59%)	528 (15%)
Corby	30 (3%)	284 (32%)	489 (55%)	82 (9%)
East and North Hertfordshire	344 (4%)	2,121 (25%)	4,697 (55%)	1,333 (16%)
Great Yarmouth & Waveney	93 (2%)	913 (20%)	2,962 (64%)	645 (14%)
Herts Valleys	324 (4%)	2,314 (26%)	4,671 (53%)	1,596 (18%)
Ipswich and East Suffolk	232 (3%)	1,973 (22%)	5,212 (59%)	1,464 (17%)
Luton	145 (6%)	696 (30%)	1,258 (54%)	242 (10%)
Mid Essex	216 (3%)	1,529 (24%)	3,773 (60%)	827 (13%)
Milton Keynes	140 (5%)	925 (32%)	1,552 (54%)	280 (10%)
Nene	415 (5%)	2,721 (30%)	5,097 (56%)	920 (10%)
North East Essex	173 (3%)	1,418 (20%)	4,224 (60%)	1,246 (18%)
North Norfolk	87 (2%)	709 (17%)	2,623 (65%)	650 (16%)
Norwich	106 (3%)	718 (22%)	1,862 (57%)	576 (18%)
South Norfolk	137 (3%)	1,043 (21%)	3,109 (61%)	774 (15%)
Southend	119 (4%)	791 (26%)	1,651 (54%)	489 (16%)
Thurrock	101 (5%)	632 (29%)	1,172 (54%)	253 (12%)
West Essex	168 (3%)	1,276 (26%)	2,764 (56%)	694 (14%)
West Norfolk	86 (2%)	793 (22%)	2,294 (62%)	517 (14%)
West Suffolk	157 (4%)	1,029 (24%)	2,647 (61%)	498 (12%)
Total	4,138 (4%)	29,255 (25%)	68,895 (58%)	16,890 (14%)

Figure 7: Percentage of episodes (persons) by CCG and broad age band, East of England SCN, April 09 to March 16

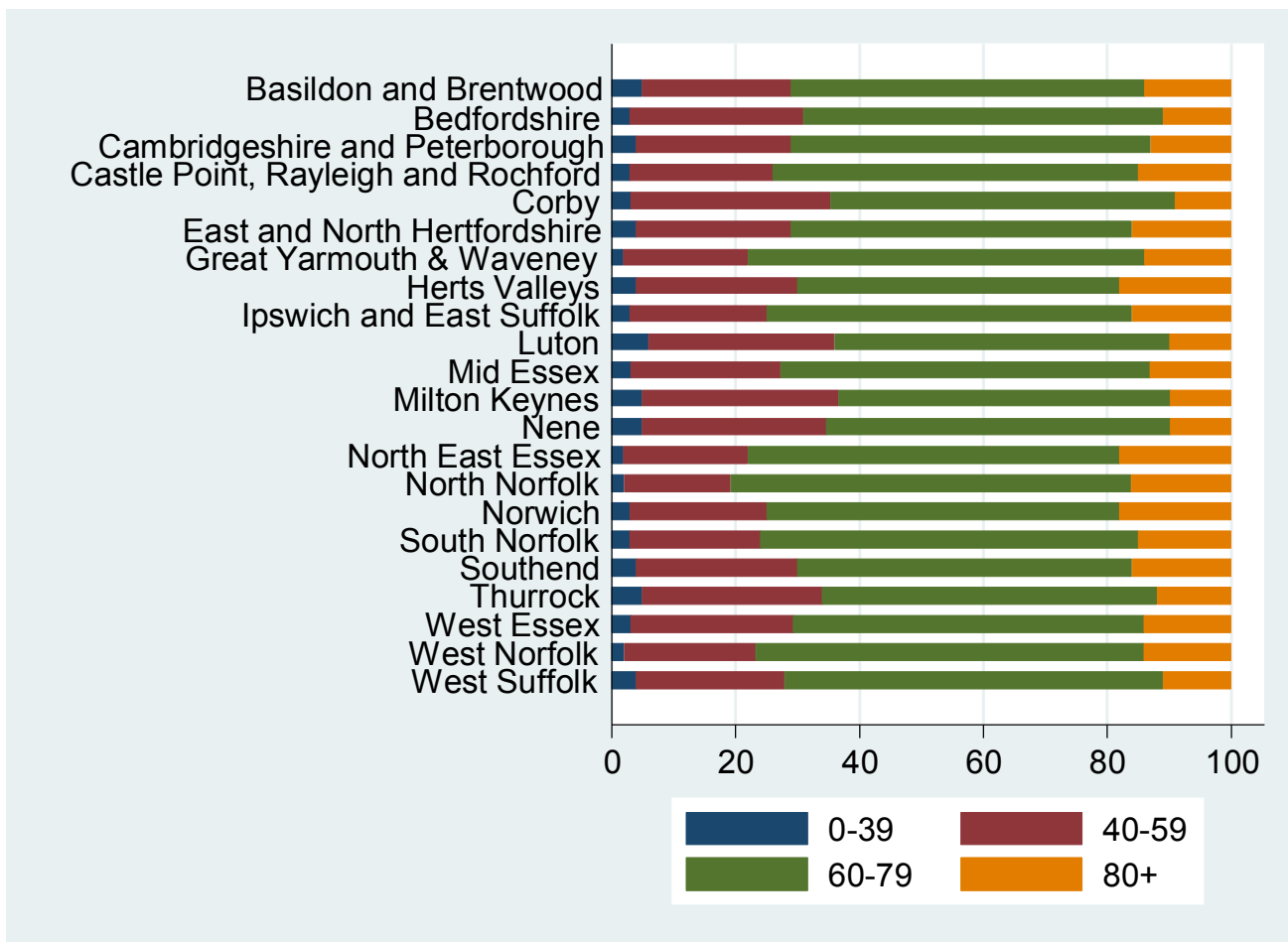


Table 90: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Greater Manchester, Lancashire and South Cumbria SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Blackburn with Darwen	123 (7%)	545 (29%)	1,025 (54%)	192 (10%)
Blackpool	96 (4%)	699 (26%)	1,572 (57%)	377 (14%)
Bolton	163 (4%)	1,117 (25%)	2,593 (59%)	542 (12%)
Bury	133 (4%)	854 (24%)	1,948 (55%)	615 (17%)
Central Manchester	140 (8%)	492 (28%)	926 (52%)	211 (12%)
Chorley and South Ribble	110 (4%)	713 (26%)	1,649 (59%)	324 (12%)
East Lancashire	251 (4%)	1,599 (26%)	3,552 (58%)	765 (12%)
Fylde & Wyre	109 (3%)	810 (22%)	2,198 (59%)	635 (17%)
Greater Preston	137 (4%)	759 (25%)	1,762 (57%)	428 (14%)
Heywood, Middleton & Rochdale	162 (5%)	979 (27%)	1,931 (54%)	503 (14%)
Lancashire North	89 (3%)	617 (23%)	1,608 (60%)	365 (14%)
North Manchester	113 (5%)	620 (28%)	1,197 (55%)	265 (12%)
Oldham	126 (3%)	1,002 (26%)	2,145 (56%)	554 (15%)
Salford	182 (5%)	997 (25%)	2,188 (55%)	587 (15%)
South Manchester	134 (6%)	598 (26%)	1,187 (51%)	390 (17%)
Stockport	148 (3%)	1,411 (24%)	3,183 (55%)	1,092 (19%)
Tameside and Glossop	182 (4%)	1,155 (26%)	2,567 (57%)	595 (13%)
Trafford	166 (4%)	1,053 (27%)	2,190 (55%)	565 (14%)
West Lancashire	72 (4%)	500 (25%)	1,184 (60%)	220 (11%)
Wigan Borough	209 (4%)	1,366 (25%)	3,310 (61%)	527 (10%)
Total	2,845 (4%)	17,886 (25%)	39,915 (57%)	9,752 (14%)

Figure 8: Percentage of episodes (persons) by CCG and broad age band - Greater Manchester, Lancashire and South Cumbria SCN, April 09 to March 16

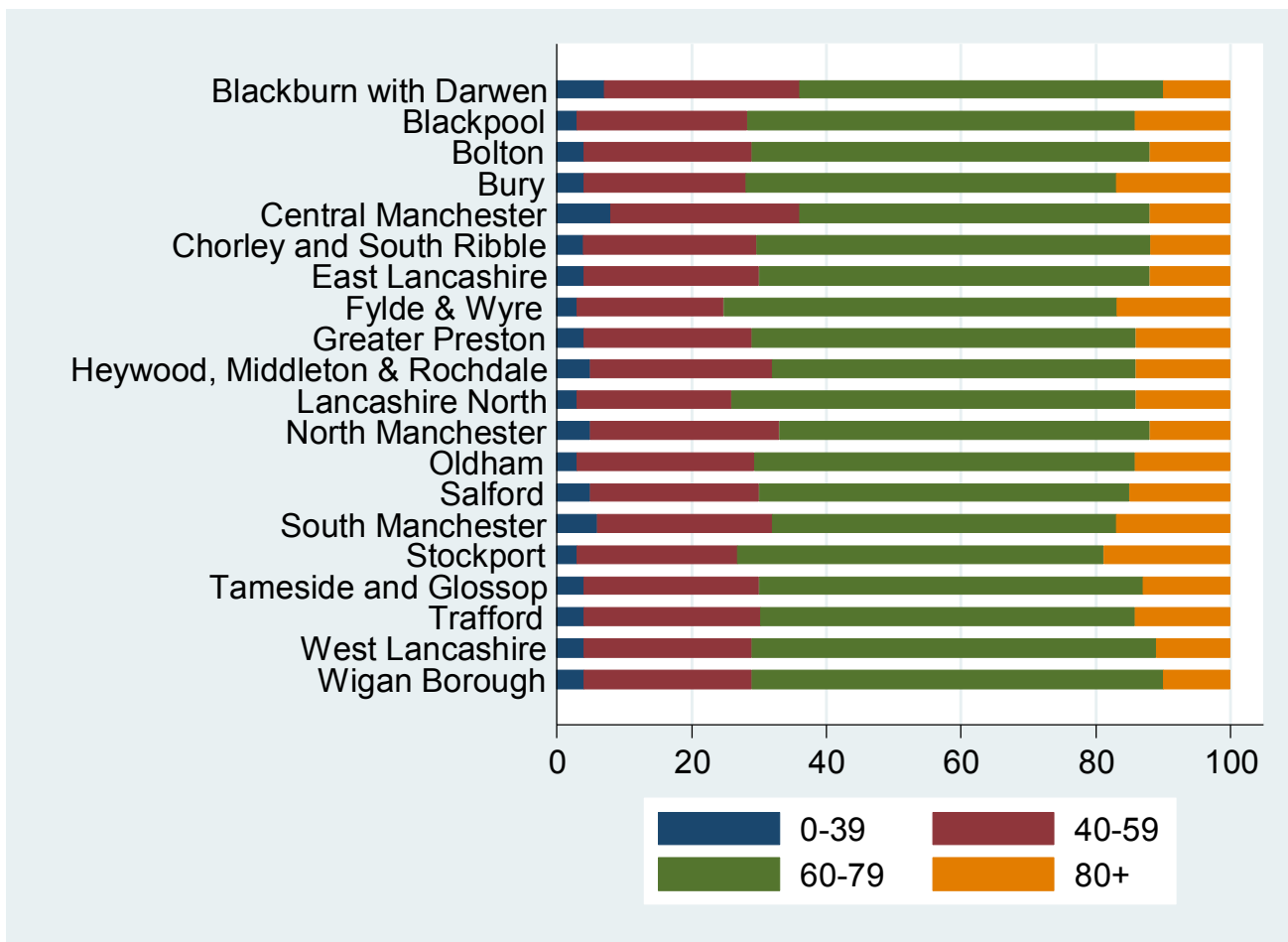


Table 91: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, North and East London SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Barking & Dagenham	160 (7%)	653 (30%)	1,067 (49%)	287 (13%)
Barnet	285 (6%)	1,254 (25%)	2,512 (50%)	954 (19%)
Camden	136 (5%)	719 (27%)	1,374 (52%)	404 (15%)
City and Hackney	195 (9%)	788 (34%)	1,123 (49%)	193 (8%)
Enfield	218 (5%)	1,133 (26%)	2,335 (53%)	731 (17%)
Haringey	212 (7%)	978 (32%)	1,452 (48%)	398 (13%)
Havering	157 (4%)	931 (24%)	2,232 (57%)	593 (15%)
Islington	199 (8%)	752 (30%)	1,226 (49%)	306 (12%)
Newham	207 (9%)	793 (35%)	1,027 (46%)	228 (10%)
Redbridge	194 (7%)	803 (27%)	1,560 (53%)	389 (13%)
Tower Hamlets	174 (10%)	571 (32%)	860 (48%)	187 (10%)
Waltham Forest	182 (7%)	876 (33%)	1,360 (52%)	221 (8%)
Total	2,319 (7%)	10,251 (28%)	18,128 (51%)	4,891 (14%)

Figure 9: Percentage of episodes (persons) by CCG and broad age band, North and East London SCN, April 09 to March 16

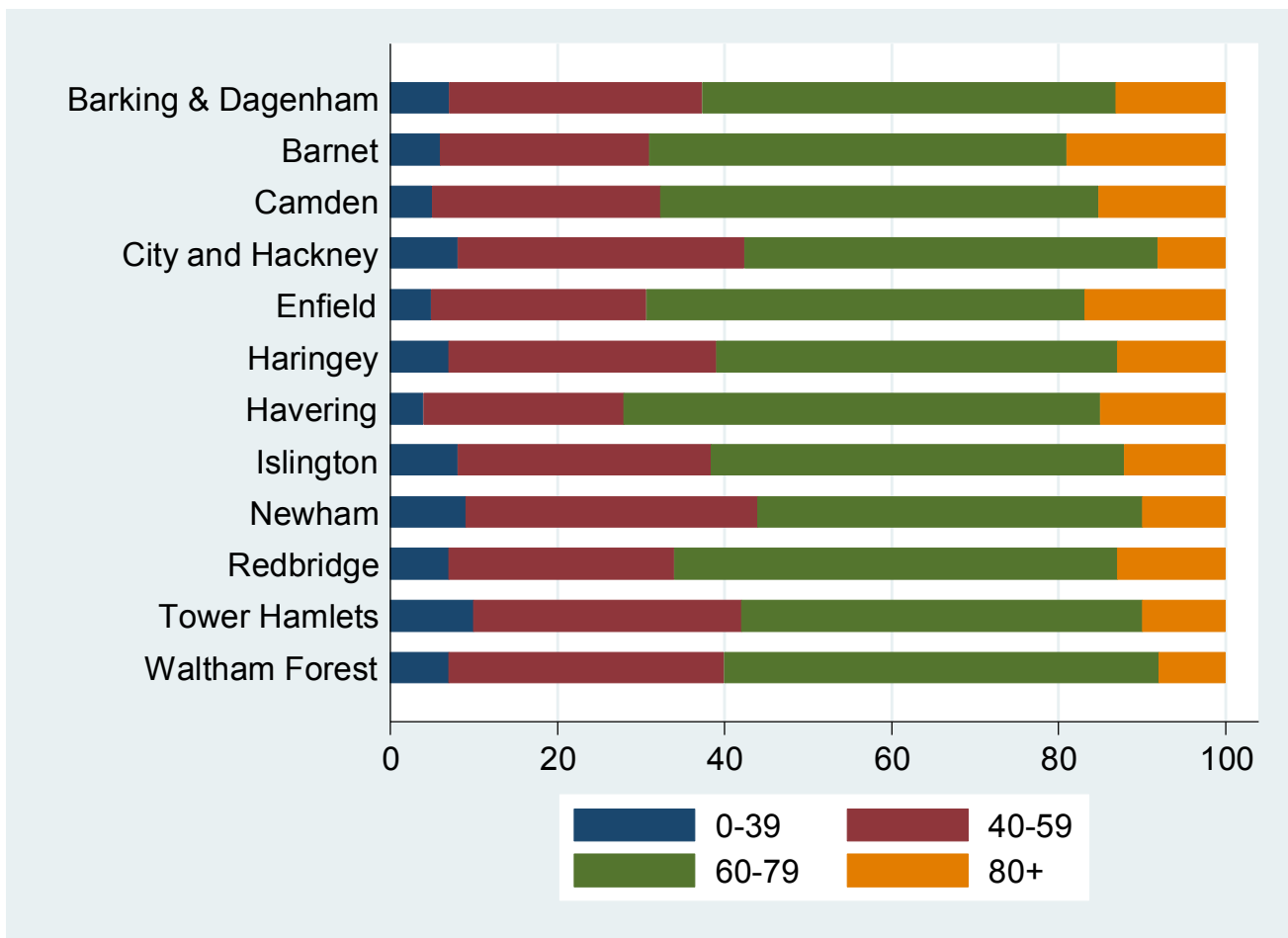


Table 92: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, North West and South London SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Bexley	146 (4%)	940 (23%)	2,436 (58%)	655 (16%)
Brent	212 (6%)	1,092 (31%)	1,802 (52%)	388 (11%)
Bromley	209 (4%)	1,347 (25%)	2,933 (54%)	920 (17%)
Central London (Westminster)	115 (6%)	500 (26%)	976 (52%)	305 (16%)
Croydon	318 (6%)	1,519 (29%)	2,761 (53%)	654 (13%)
Ealing	208 (5%)	1,168 (29%)	2,250 (55%)	460 (11%)
Greenwich	212 (6%)	1,013 (29%)	1,840 (53%)	440 (13%)
Hammersmith and Fulham	131 (6%)	654 (30%)	1,139 (52%)	248 (11%)
Harrow	166 (5%)	910 (28%)	1,676 (52%)	449 (14%)
Hillingdon	178 (5%)	1,075 (28%)	2,048 (54%)	511 (13%)
Hounslow	185 (6%)	1,024 (30%)	1,709 (51%)	468 (14%)
Kingston	106 (5%)	618 (27%)	1,198 (52%)	394 (17%)
Lambeth	272 (8%)	1,208 (34%)	1,710 (48%)	356 (10%)
Lewisham	223 (7%)	1,176 (34%)	1,667 (48%)	375 (11%)
Merton	171 (6%)	751 (26%)	1,457 (50%)	520 (18%)
Richmond	130 (4%)	747 (25%)	1,654 (54%)	515 (17%)
Southwark	256 (8%)	1,039 (33%)	1,538 (48%)	355 (11%)
Sutton	169 (5%)	977 (27%)	1,841 (51%)	631 (17%)
Wandsworth	276 (8%)	935 (26%)	1,753 (50%)	579 (16%)
West London	143 (5%)	726 (27%)	1,471 (54%)	374 (14%)
Total	3,826 (6%)	19,419 (28%)	35,859 (52%)	9,597 (14%)

Figure 10: Percentage of episodes (persons) by CCG and broad age band, North West and South London SCN, April 09 to March 16



Table 93: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Northern England SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Cumbria	253 (3%)	2,355 (23%)	5,964 (59%)	1,473 (15%)
Darlington	73 (4%)	485 (26%)	1,013 (54%)	301 (16%)
Durham Dales Easington and Sedgefield	167 (3%)	1,238 (25%)	3,054 (61%)	583 (12%)
Hambleton Richmondshire and Whitby	66 (3%)	583 (22%)	1,655 (63%)	342 (13%)
Hartlepool and Stockton-On-Tees	168 (3%)	1,334 (27%)	2,874 (57%)	634 (13%)
Newcastle Gateshead	319 (4%)	2,033 (26%)	4,474 (56%)	1,108 (14%)
North Durham	119 (3%)	1,114 (28%)	2,255 (57%)	449 (11%)
North Tyneside	116 (3%)	886 (25%)	2,024 (58%)	469 (13%)
Northumberland	176 (3%)	1,622 (27%)	3,533 (59%)	681 (11%)
South Tees	151 (3%)	1,242 (24%)	3,001 (59%)	686 (14%)
South Tyneside	89 (4%)	692 (27%)	1,457 (57%)	320 (13%)
Sunderland	169 (4%)	1,447 (30%)	2,688 (56%)	539 (11%)
Total	1,866 (3%)	15,031 (26%)	33,992 (58%)	7,585 (13%)

Figure 11: Percentage of episodes (persons) by CCG and broad age band, Northern England SCN, April 09 to March 16



Table 94: Number and percentage of episodes (persons) by CCG and broad age band, South East Coast SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Ashford	77 (3%)	517 (23%)	1,290 (58%)	351 (16%)
Brighton & Hove	194 (5%)	1,183 (29%)	2,019 (49%)	700 (17%)
Canterbury and Coastal	98 (3%)	812 (22%)	2,202 (59%)	618 (17%)
Coastal West Sussex	233 (2%)	1,882 (20%)	5,786 (60%)	1,693 (18%)
Crawley	65 (4%)	491 (31%)	791 (49%)	257 (16%)
Dartford Gravesham and Swanley	141 (3%)	1,101 (27%)	2,368 (57%)	533 (13%)
East Surrey	126 (4%)	833 (26%)	1,689 (54%)	502 (16%)
Eastbourne Hailsham and Seaford	105 (3%)	716 (21%)	1,971 (59%)	576 (17%)
Guildford and Waverley	121 (4%)	780 (24%)	1,870 (57%)	528 (16%)
Hastings & Rother	94 (3%)	777 (23%)	1,991 (60%)	468 (14%)
High Weald Lewes Havens	106 (3%)	820 (25%)	1,870 (58%)	452 (14%)
Horsham and Mid Sussex	120 (3%)	1,009 (26%)	2,169 (56%)	608 (16%)
Medway	152 (4%)	1,130 (30%)	2,154 (57%)	376 (10%)
North West Surrey	227 (4%)	1,420 (25%)	3,080 (55%)	880 (16%)
South Kent Coast	109 (2%)	953 (22%)	2,489 (58%)	717 (17%)
Surrey Downs	156 (2%)	1,375 (24%)	3,229 (55%)	1,094 (19%)
Surrey Heath	65 (4%)	407 (26%)	885 (55%)	241 (15%)
Swale	61 (3%)	404 (25%)	967 (60%)	184 (11%)
Thanet	80 (2%)	607 (22%)	1,601 (59%)	438 (16%)
West Kent	304 (3%)	1,979 (25%)	4,531 (58%)	1,064 (14%)
Total	2,634 (3%)	19,196 (24%)	44,952 (57%)	12,280 (16%)

Figure 12: Percentage of episodes (persons) by CCG and broad age band, South East Coast SCN, April 09 to March 16

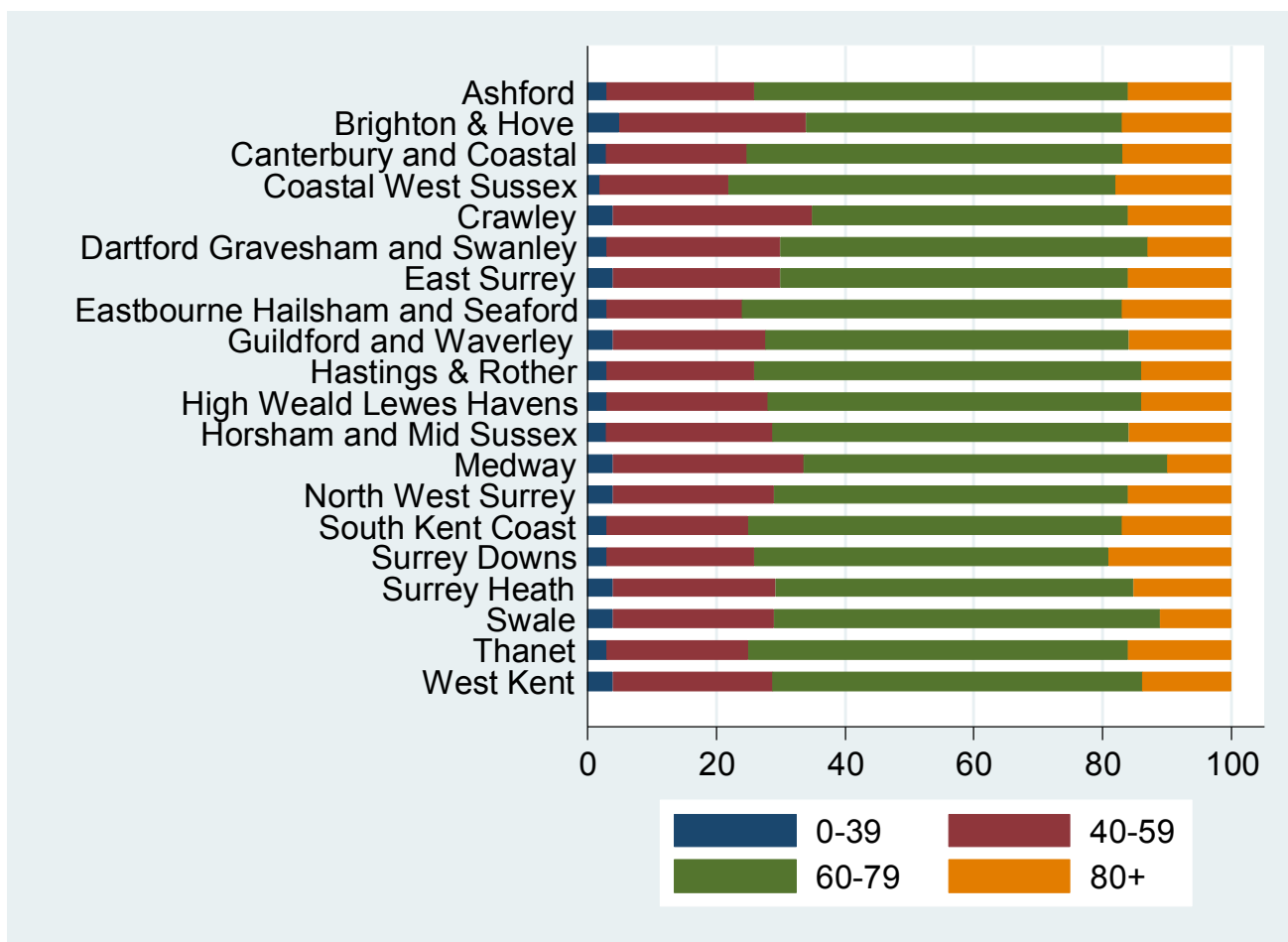


Table 95: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, South West SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Bath and North East Somerset	106 (3%)	828 (23%)	1,969 (55%)	681 (19%)
Bristol	319 (5%)	1,834 (27%)	3,485 (52%)	1,060 (16%)
Gloucestershire	448 (3%)	3,153 (24%)	7,312 (55%)	2,274 (17%)
Kernow	331 (3%)	2,798 (22%)	7,537 (60%)	1,989 (16%)
North East West Devon	485 (3%)	4,023 (23%)	10,322 (59%)	2,762 (16%)
North Somerset	145 (4%)	978 (23%)	2,360 (56%)	706 (17%)
Somerset	304 (3%)	2,586 (24%)	6,384 (59%)	1,601 (15%)
South Devon and Torbay	163 (2%)	1,517 (22%)	4,013 (58%)	1,235 (18%)
South Gloucestershire	197 (4%)	1,243 (25%)	2,838 (57%)	690 (14%)
Swindon	163 (6%)	809 (28%)	1,585 (55%)	318 (11%)
Wiltshire	294 (3%)	2,147 (25%)	4,986 (58%)	1,146 (13%)
Total	2,955 (3%)	21,916 (24%)	52,791 (57%)	14,462 (16%)

Figure 13: Percentage of radiotherapy episodes (persons) by broad age band and CCG, South West SCN, April 09 to March 16

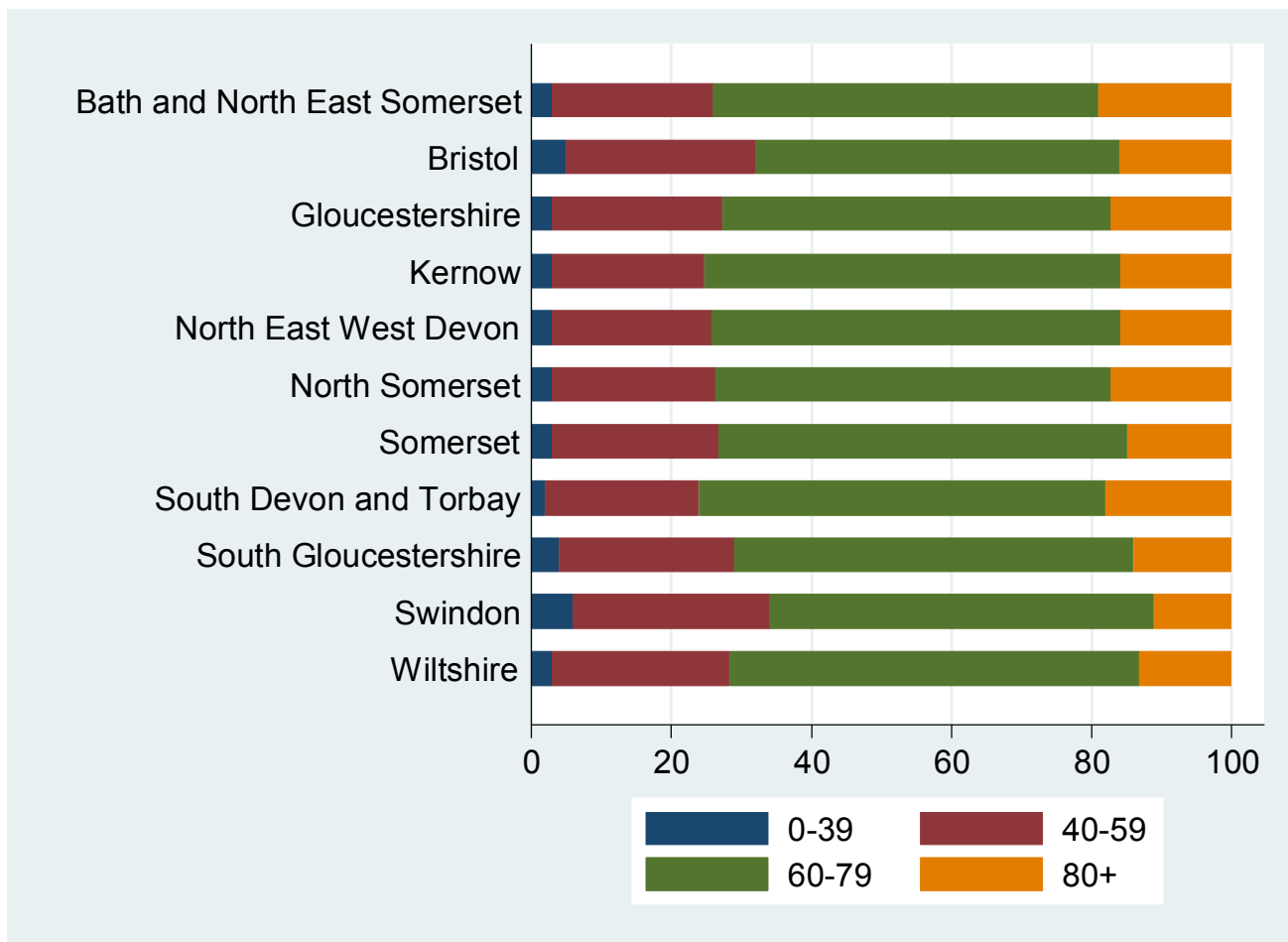


Table 96: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Thames Valley SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Aylesbury Vale	120 (4%)	862 (27%)	1,714 (55%)	445 (14%)
Bracknell and Ascot	63 (3%)	661 (32%)	1,079 (53%)	242 (12%)
Chiltern	155 (3%)	1,386 (27%)	2,827 (55%)	770 (15%)
Newbury and District	71 (3%)	491 (24%)	1,220 (59%)	292 (14%)
North & West Reading	79 (4%)	541 (26%)	1,141 (55%)	320 (15%)
Oxfordshire	398 (4%)	2,660 (25%)	6,023 (57%)	1,558 (15%)
Slough	93 (6%)	451 (31%)	755 (52%)	145 (10%)
South Reading	98 (7%)	419 (30%)	683 (48%)	213 (15%)
Windsor Ascot and Maidenhead	78 (3%)	602 (26%)	1,288 (55%)	370 (16%)
Wokingham	103 (3%)	772 (25%)	1,791 (57%)	452 (15%)
Total	1,258 (4%)	8,845 (27%)	18,521 (55%)	4,807 (14%)

Figure 14: Percentage of radiotherapy episodes (persons) by broad age band and CCG, Thames Valley SCN, April 09 to March 16

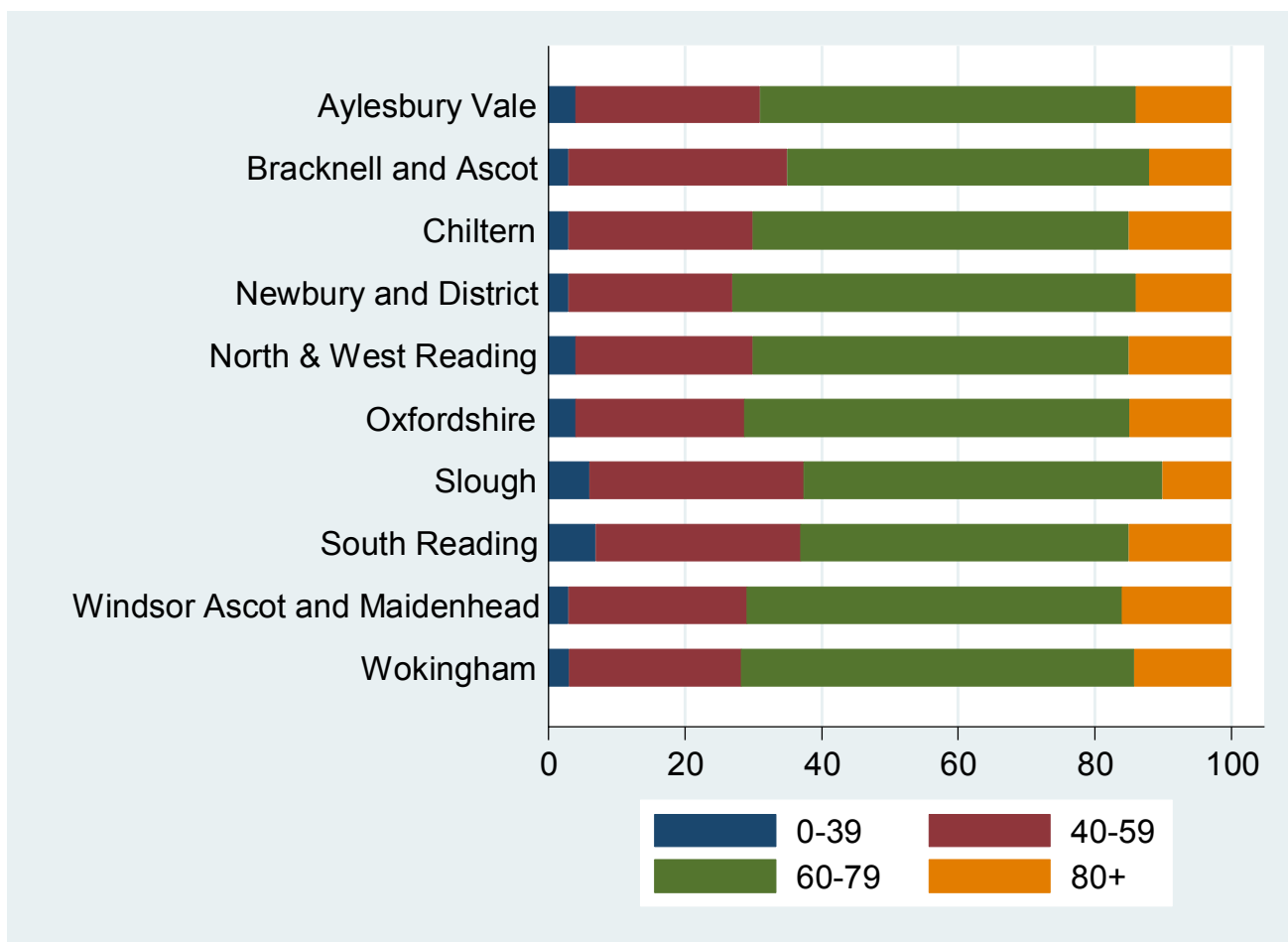


Table 97: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Wessex SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Dorset	425 (3%)	3,309 (20%)	9,541 (58%)	3,114 (19%)
Fareham and Gosport	106 (3%)	912 (23%)	2,213 (57%)	670 (17%)
Isle of Wight	75 (3%)	654 (23%)	1,769 (61%)	396 (14%)
North East Hampshire and Farnham	126 (4%)	844 (28%)	1,653 (54%)	413 (14%)
North Hampshire	140 (4%)	893 (28%)	1,716 (55%)	400 (13%)
Portsmouth	125 (4%)	891 (28%)	1,648 (52%)	513 (16%)
South Eastern Hampshire	121 (3%)	957 (23%)	2,429 (58%)	718 (17%)
Southampton	150 (4%)	874 (26%)	1,867 (55%)	522 (15%)
West Hampshire	296 (3%)	2,297 (23%)	5,625 (57%)	1,584 (16%)
Total	1,564 (3%)	11,631 (23%)	28,461 (57%)	8,330 (17%)

Figure 15: Percentage of radiotherapy episodes (persons) by broad age band and CCG, Wessex SCN, April 09 to March 16

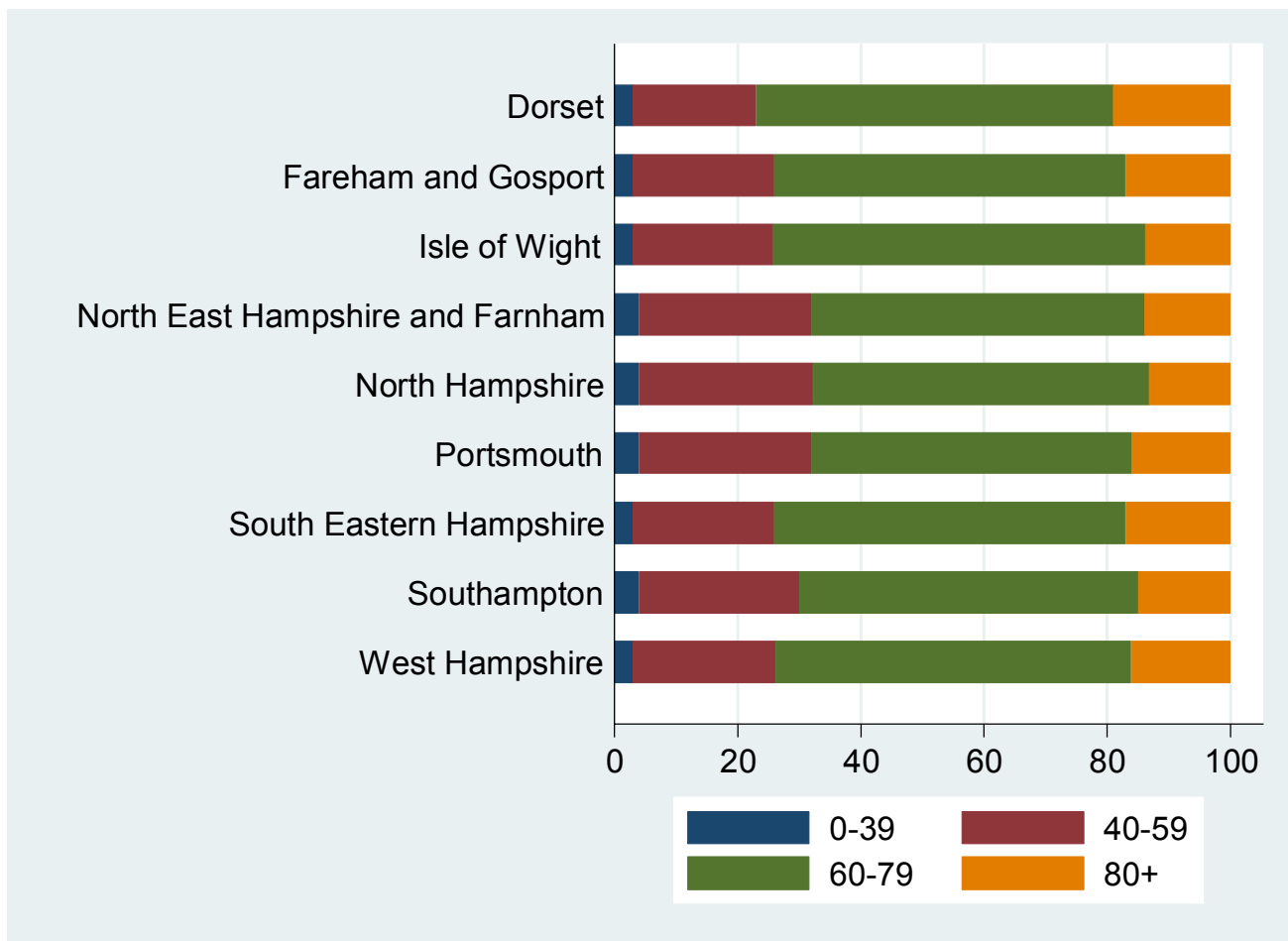


Table 98: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, West Midlands SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Birmingham CrossCity	449 (5%)	2,477 (27%)	4,881 (53%)	1,463 (16%)
Birmingham South and Central	115 (5%)	607 (26%)	1,277 (54%)	359 (15%)
Cannock Chase	52 (2%)	603 (26%)	1,431 (61%)	265 (11%)
Coventry and Rugby	277 (4%)	1,784 (23%)	4,336 (56%)	1,339 (17%)
Dudley	167 (4%)	1,190 (25%)	2,886 (60%)	539 (11%)
East Staffordshire	55 (3%)	533 (26%)	1,233 (60%)	239 (12%)
Herefordshire	96 (2%)	870 (22%)	2,424 (60%)	650 (16%)
North Staffordshire	110 (3%)	985 (23%)	2,531 (60%)	606 (14%)
Redditch and Bromsgrove	103 (4%)	785 (27%)	1,717 (59%)	322 (11%)
Sandwell and West Birmingham	269 (5%)	1,550 (28%)	3,039 (55%)	636 (12%)
Shropshire	128 (2%)	1,365 (25%)	3,191 (59%)	721 (13%)
Solihull	119 (3%)	818 (21%)	2,303 (58%)	732 (18%)
South East Staffs and Seisdon and Peninsular	142 (4%)	896 (25%)	2,112 (59%)	416 (12%)
South Warwickshire	159 (3%)	1,184 (25%)	2,739 (59%)	604 (13%)
South Worcestershire	178 (3%)	1,242 (23%)	3,190 (58%)	864 (16%)
Stafford and Surrounds	80 (3%)	760 (24%)	1,825 (58%)	466 (15%)
Stoke on Trent	147 (3%)	1,124 (25%)	2,609 (57%)	689 (15%)
Telford & Wrekin	93 (4%)	714 (30%)	1,365 (57%)	246 (10%)
Walsall	131 (3%)	1,039 (25%)	2,396 (58%)	583 (14%)
Warwickshire North	95 (3%)	905 (24%)	2,291 (60%)	499 (13%)
Wolverhampton	131 (3%)	983 (26%)	2,100 (55%)	603 (16%)
Wyre Forest	54 (3%)	386 (25%)	968 (61%)	168 (11%)
Total	3,150 (3%)	22,800 (25%)	52,844 (58%)	13,009 (14%)

Figure 16: Percentage of radiotherapy episodes (persons) by broad age band and CCG, West Midlands SCN, April 09 to March 16

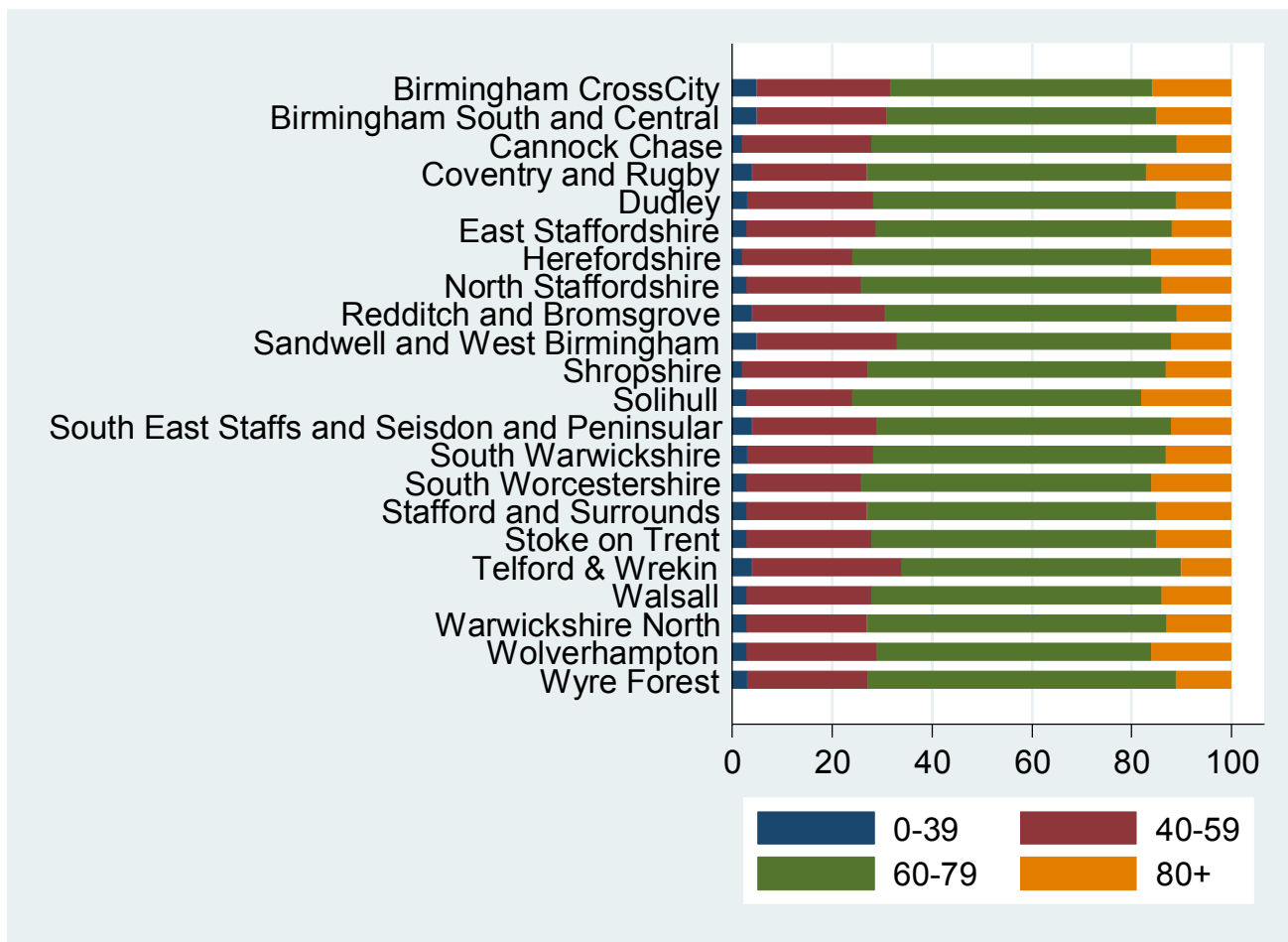
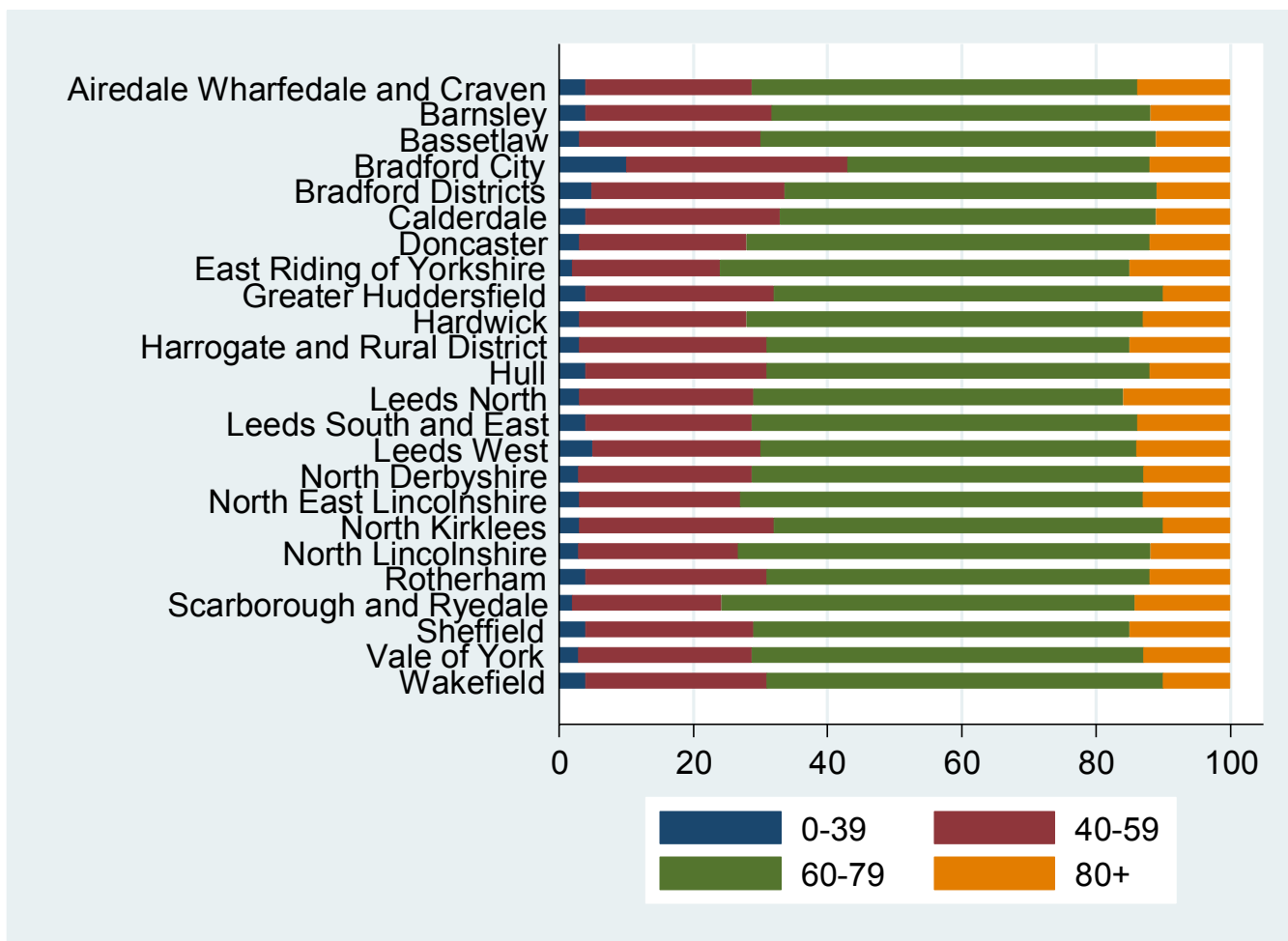


Table 99: Number and percentage of radiotherapy episodes (persons) by broad age band and CCG, Yorkshire and the Humber SCN, April 09 to March 16

Clinical Commissioning Group	0-39	40-59	60-79	80+
Airedale Wharfedale and Craven	105 (4%)	658 (25%)	1,545 (58%)	381 (14%)
Barnsley	144 (4%)	1,050 (28%)	2,135 (57%)	444 (12%)
Bassetlaw	69 (3%)	568 (27%)	1,256 (59%)	231 (11%)
Bradford City	52 (10%)	173 (33%)	232 (45%)	62 (12%)
Bradford Districts	187 (5%)	1,208 (29%)	2,349 (56%)	458 (11%)
Calderdale	119 (4%)	877 (29%)	1,674 (56%)	324 (11%)
Doncaster	167 (3%)	1,313 (25%)	3,135 (60%)	618 (12%)
East Riding of Yorkshire	175 (2%)	1,547 (22%)	4,391 (61%)	1,038 (15%)
Greater Huddersfield	146 (4%)	964 (28%)	1,966 (58%)	345 (10%)
Hardwick	57 (3%)	463 (25%)	1,109 (59%)	239 (13%)
Harrogate and Rural District	88 (3%)	742 (28%)	1,455 (54%)	397 (15%)
Hull	172 (4%)	1,243 (27%)	2,671 (57%)	574 (12%)
Leeds North	116 (3%)	980 (26%)	2,088 (55%)	612 (16%)
Leeds South and East	134 (4%)	964 (25%)	2,225 (58%)	544 (14%)
Leeds West	229 (5%)	1,264 (25%)	2,785 (56%)	695 (14%)
North Derbyshire	156 (3%)	1,248 (26%)	2,866 (59%)	626 (13%)
North East Lincolnshire	92 (3%)	724 (24%)	1,775 (60%)	392 (13%)
North Kirklees	77 (3%)	711 (29%)	1,400 (58%)	245 (10%)
North Lincolnshire	91 (3%)	748 (24%)	1,933 (62%)	364 (12%)
Rotherham	173 (4%)	1,105 (27%)	2,305 (57%)	473 (12%)
Scarborough and Ryedale	47 (2%)	497 (22%)	1,367 (61%)	320 (14%)
Sheffield	321 (4%)	2,086 (25%)	4,641 (56%)	1,229 (15%)
Vale of York	162 (3%)	1,354 (26%)	3,130 (59%)	662 (13%)
Wakefield	195 (4%)	1,446 (27%)	3,146 (59%)	546 (10%)
Total	3,274 (4%)	23,933 (26%)	53,579 (58%)	11,819 (13%)

Figure 17: Percentage of radiotherapy episodes (persons) by broad age band and CCG, Yorkshire and the Humber SCN, April 09 to March 16



Proportion of IMRT episodes by CCG

Table 100 – Percentage of IMRT episodes (persons) – Cheshire and Merseyside SCN

Clinical Commissioning Group	2014/15	2015/16
Eastern Cheshire	30%	34%
Halton	25%	34%
Knowsley	33%	29%
Liverpool	30%	34%
South Cheshire	35%	37%
South Sefton	24%	40%
Southport and Formby	34%	31%
St Helens	29%	38%
Vale Royal	34%	33%
Warrington	26%	30%
West Cheshire	31%	38%
Wirral	27%	34%
Grand Total	30%	35%

Figure 18: % of IMRT Episodes (persons) – Cheshire and Merseyside SCN

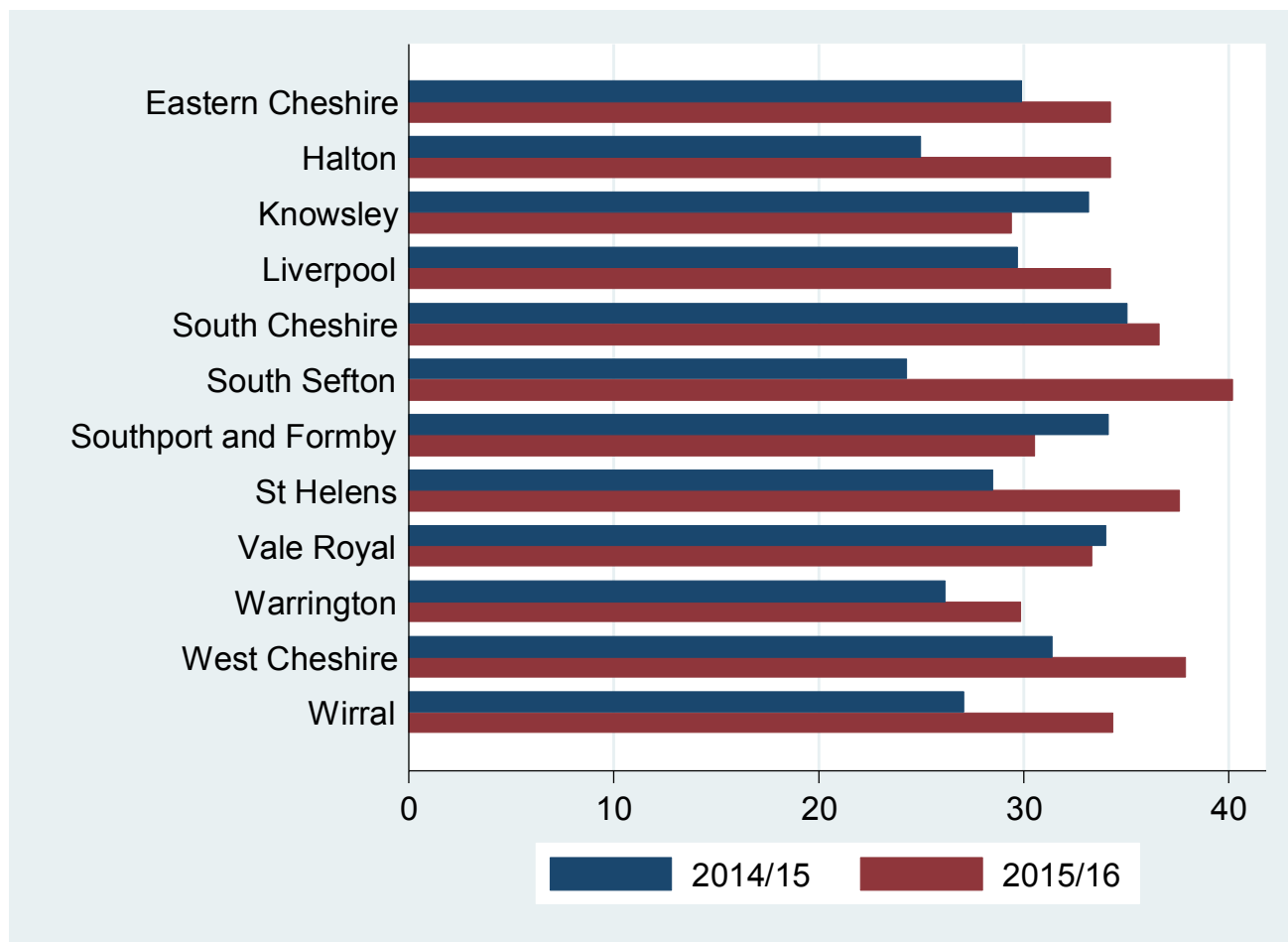


Table 101 – Percentage of IMRT episodes (persons) – East Midlands SCN

Clinical Commissioning Group	2014/15	2015/16
East Leicestershire and Rutland	31%	44%
Erewash	28%	46%
Leicester City	35%	36%
Lincolnshire East	21%	30%
Lincolnshire West	27%	26%
Mansfield & Ashfield	35%	43%
Newark & Sherwood	30%	39%
Nottingham City	29%	39%
Nottingham North & East	35%	36%
Nottingham West	28%	34%
Rushcliffe	36%	47%
South Lincolnshire	34%	43%
South West Lincolnshire	25%	23%
Southern Derbyshire	31%	33%
West Leicestershire	36%	35%
Grand Total	31%	36%

Figure 19: % of IMRT Episodes (persons) – East Midlands SCN

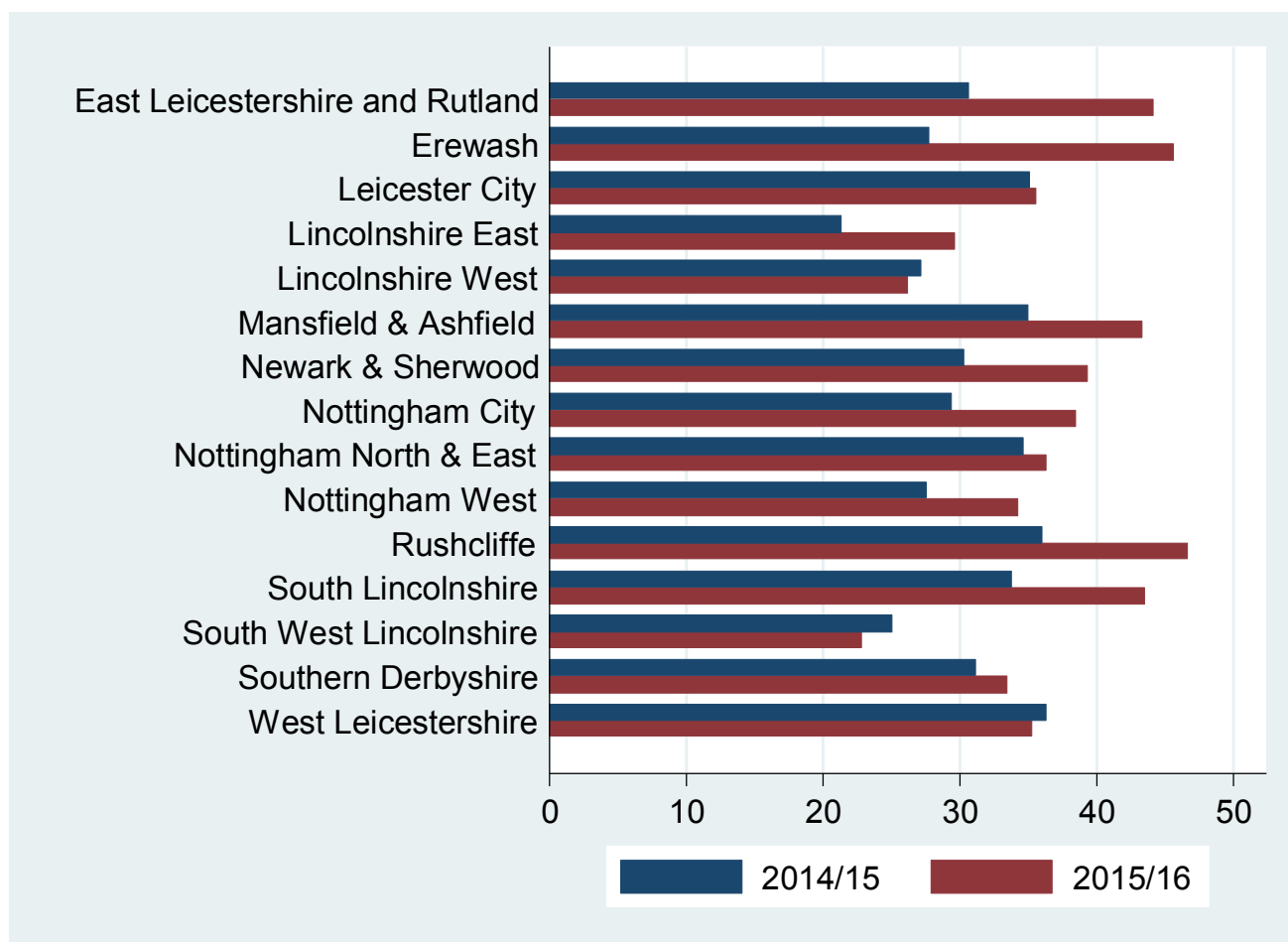


Table 102 – Percentage of IMRT episodes (persons) – East of England SCN

Clinical Commissioning Group	2014/15	2015/16
Basildon and Brentwood	44%	35%
Bedfordshire	35%	42%
Cambridgeshire and Peterborough	35%	35%
Castle Point Rayleigh and Rochford	41%	39%
Corby	30%	49%
East and North Hertfordshire	36%	35%
Great Yarmouth & Waveney	44%	45%
Herts Valleys	37%	39%
Ipswich and East Suffolk	38%	49%
Luton	36%	37%
Mid Essex	36%	37%
Milton Keynes	58%	69%
Nene	30%	33%
North East Essex	34%	41%
North Norfolk	36%	53%
Norwich	39%	46%
South Norfolk	34%	44%
Southend	38%	42%
Thurrock	42%	45%
West Essex	33%	39%
West Norfolk	30%	47%
West Suffolk	30%	39%
Grand Total	36%	40%

Figure 20: % of IMRT Episodes (persons) – East of England SCN

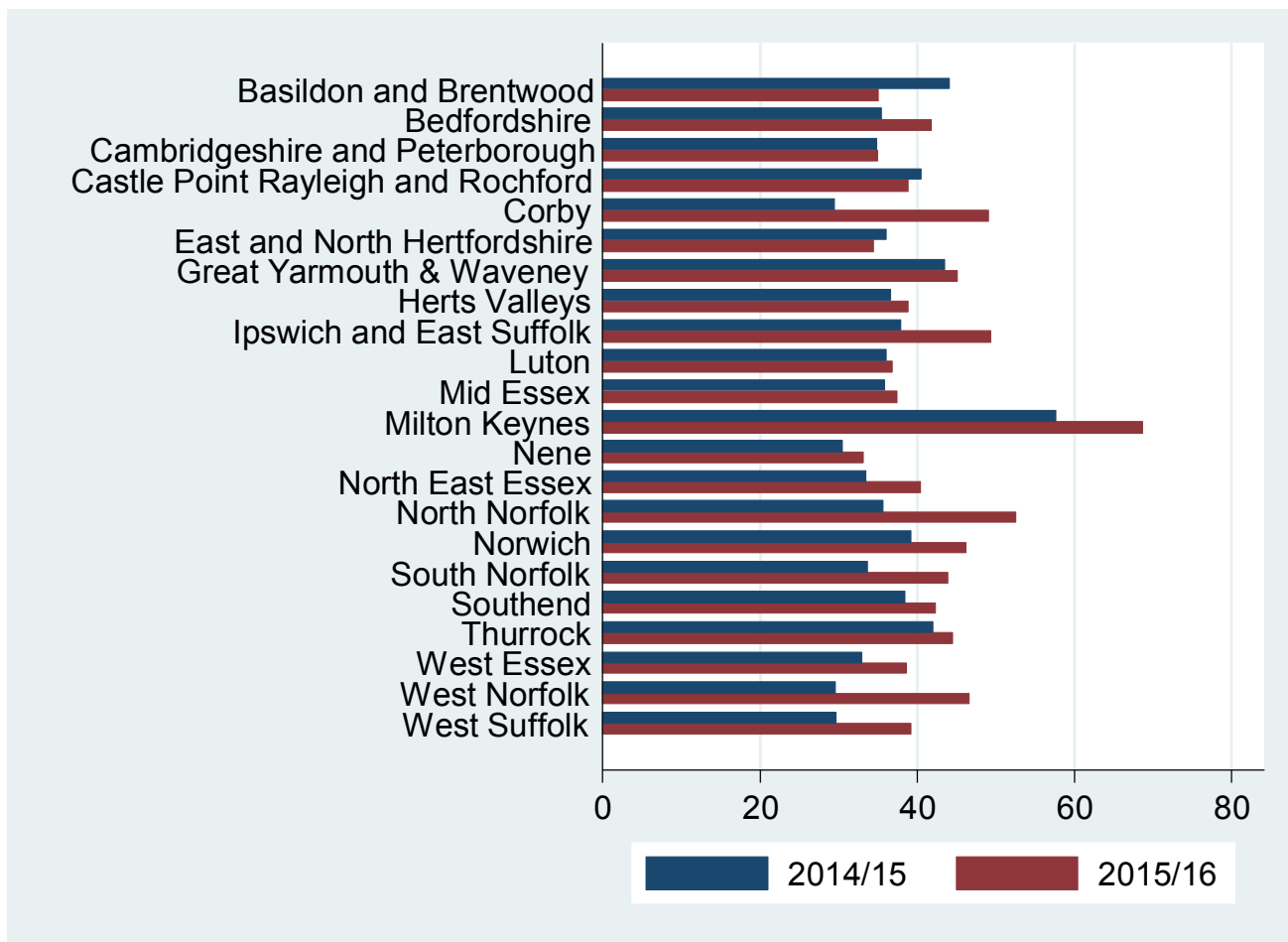


Table 103 – Percentage of IMRT episodes (persons) – Greater Manchester, Lancashire and South Cumbria SCN

Clinical Commissioning Group	2014/15	2015/16
Blackburn with Darwen	26%	35%
Blackpool	43%	53%
Bolton	39%	43%
Bury	41%	41%
Central Manchester	39%	43%
Chorley and South Ribble	34%	35%
East Lancashire	33%	36%
Fylde & Wyre	48%	46%
Greater Preston	33%	41%
Heywood Middleton & Rochdale	39%	34%
Lancashire North	41%	42%
North Manchester	36%	38%
Oldham	31%	36%
Salford	35%	39%
South Manchester	29%	31%
Stockport	32%	34%
Tameside and Glossop	37%	38%
Trafford	31%	38%
West Lancashire	22%	31%
Wigan Borough	34%	42%
Grand Total	35%	39%

Figure 21: % of IMRT Episodes (persons) – Greater Manchester, Lancashire and South Cumbria SCN

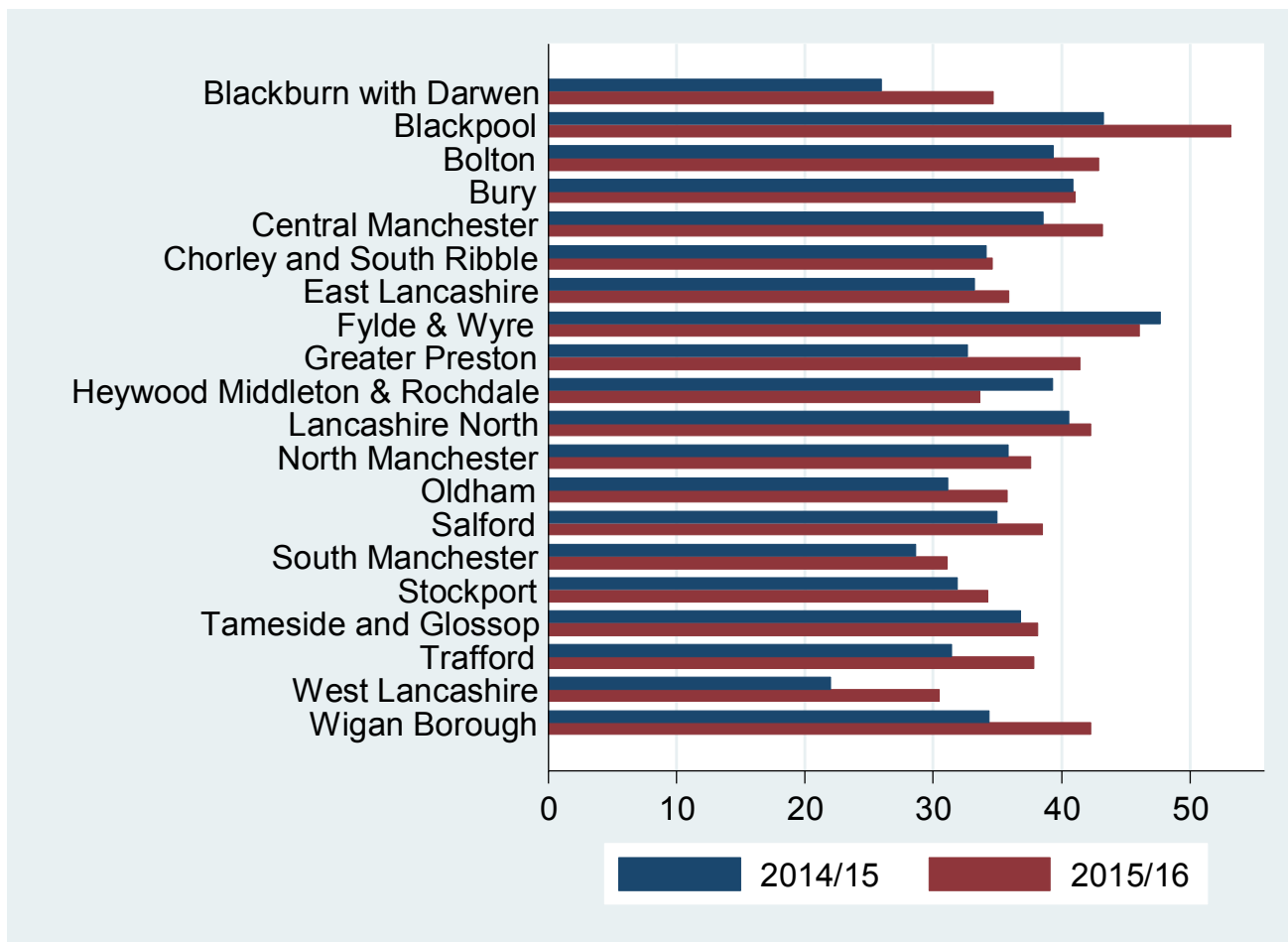


Table 104 – Percentage of IMRT episodes (persons) – North and East London SCN

Clinical Commissioning Group	2014/15	2015/16
Barking & Dagenham	40%	46%
Barnet	32%	44%
Camden	40%	38%
City and Hackney	47%	44%
Enfield	33%	36%
Haringey	32%	35%
Havering	48%	42%
Islington	27%	38%
Newham	44%	54%
Redbridge	44%	38%
Tower Hamlets	34%	53%
Waltham Forest	40%	44%
Grand Total	38%	42%

Figure 22: % of IMRT Episodes (Persons) – North and East London SCN

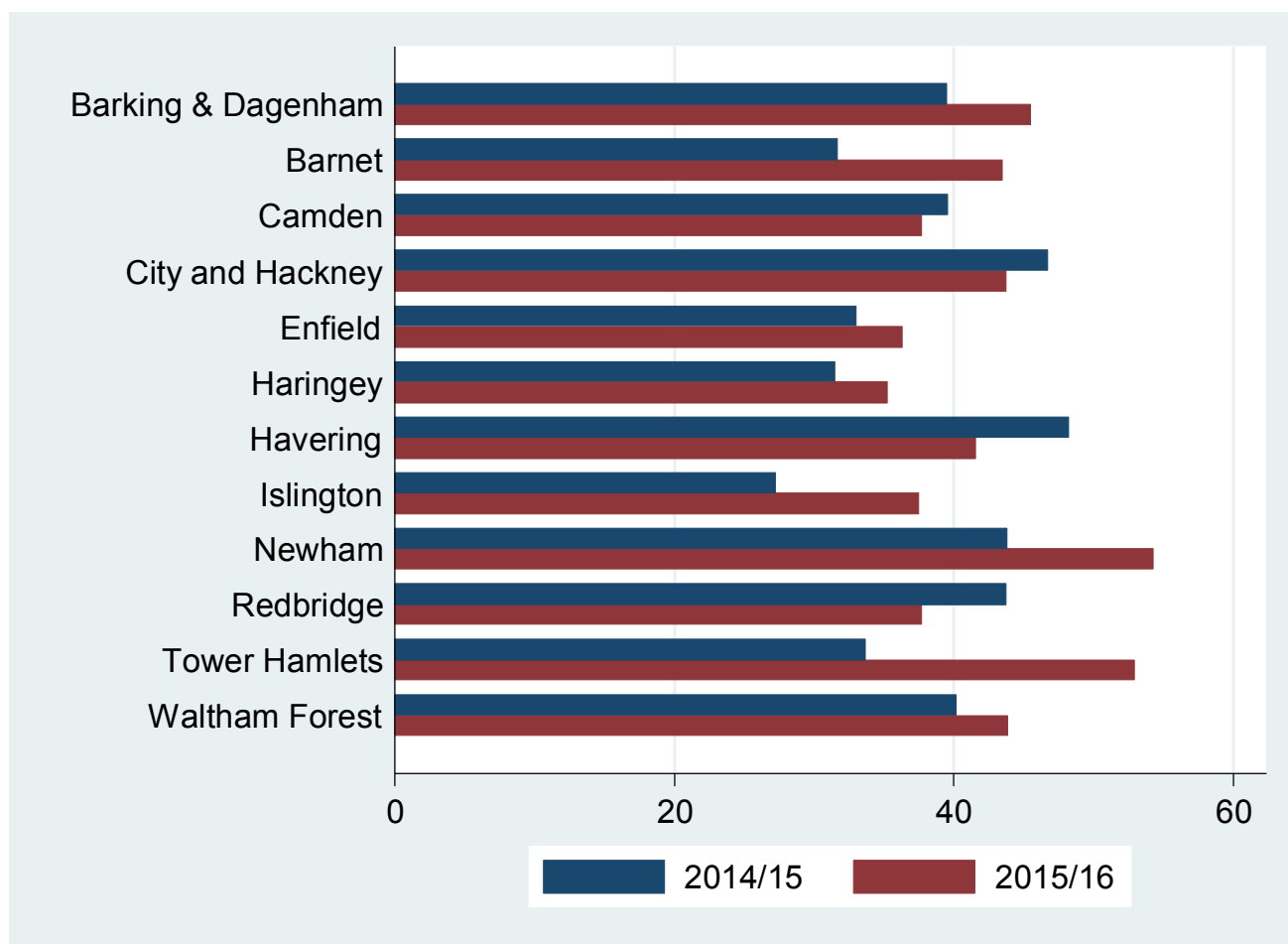


Table 105 – Percentage of IMRT episodes (persons) – North West and South London SCN

Clinical Commissioning Group	2014/15	2015/16
Bexley	33%	34%
Brent	27%	37%
Bromley	34%	36%
Central London (Westminster)	24%	35%
Croydon	30%	37%
Ealing	25%	29%
Greenwich	29%	31%
Hammersmith and Fulham	32%	32%
Harrow	35%	35%
Hillingdon	35%	41%
Hounslow	21%	30%
Kingston	30%	38%
Lambeth	31%	40%
Lewisham	32%	41%
Merton	29%	41%
Richmond	30%	40%
Southwark	31%	33%
Sutton	31%	32%
Wandsworth	31%	35%
West London	29%	33%
Grand Total	30%	36%

Figure 23: % of IMRT Episodes (persons) – North West and South London

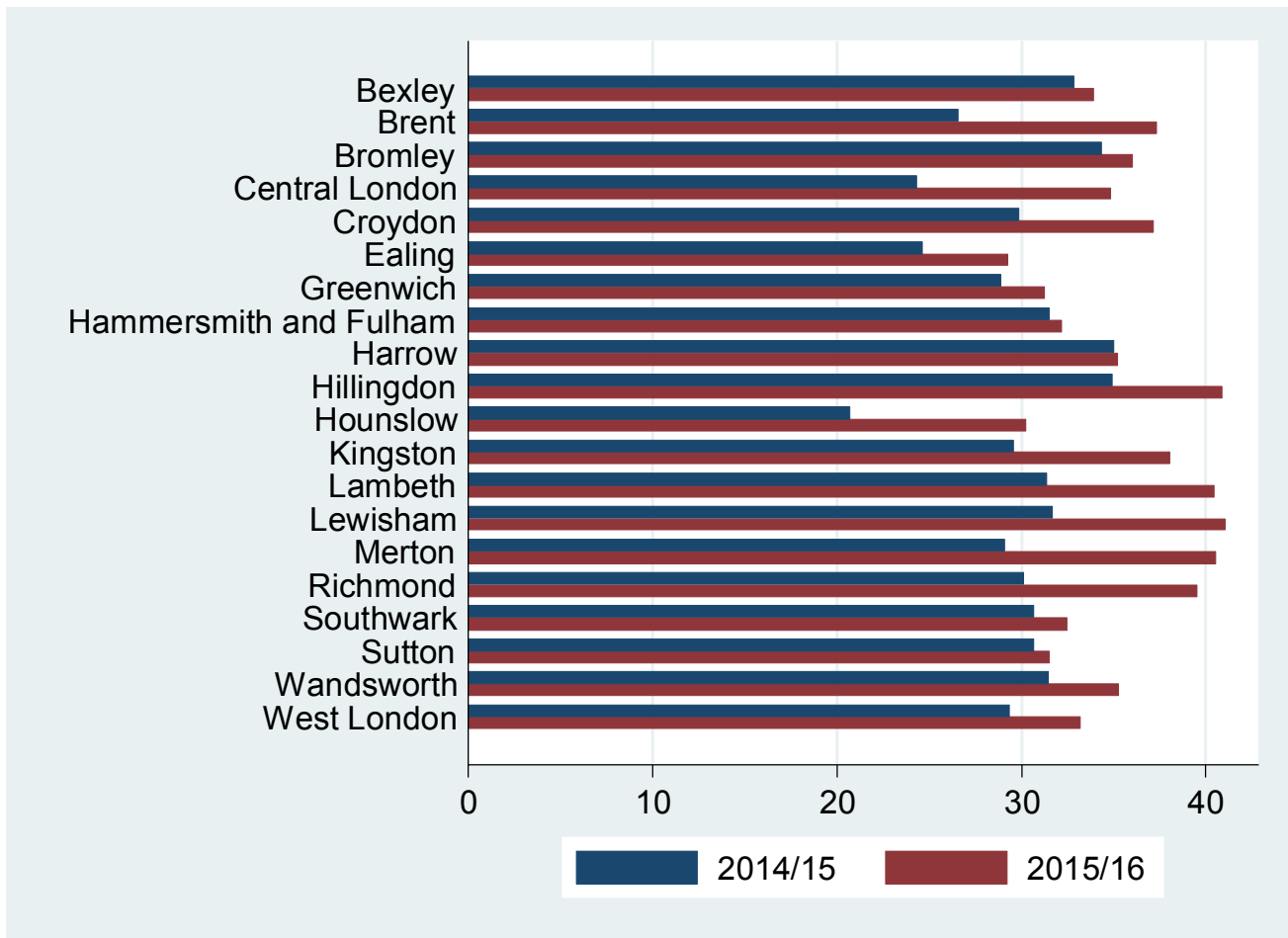


Table 106 – Percentage of IMRT episodes (persons) – Northern England SCN

Clinical Commissioning Group	2014/15	2015/16
Cumbria	27%	32%
Darlington	28%	44%
Durham Dales Easington and Sedgefield	27%	37%
Hambleton Richmondshire and Whitby	33%	49%
Hartlepool and Stockton-On-Tees	35%	46%
Newcastle Gateshead	29%	35%
North Durham	28%	29%
North Tyneside	28%	32%
Northumberland	26%	32%
South Tees	31%	45%
South Tyneside	35%	33%
Sunderland	30%	29%
Grand Total	29%	36%

Figure 24: % of IMRT Episodes (persons) – Northern England SCN

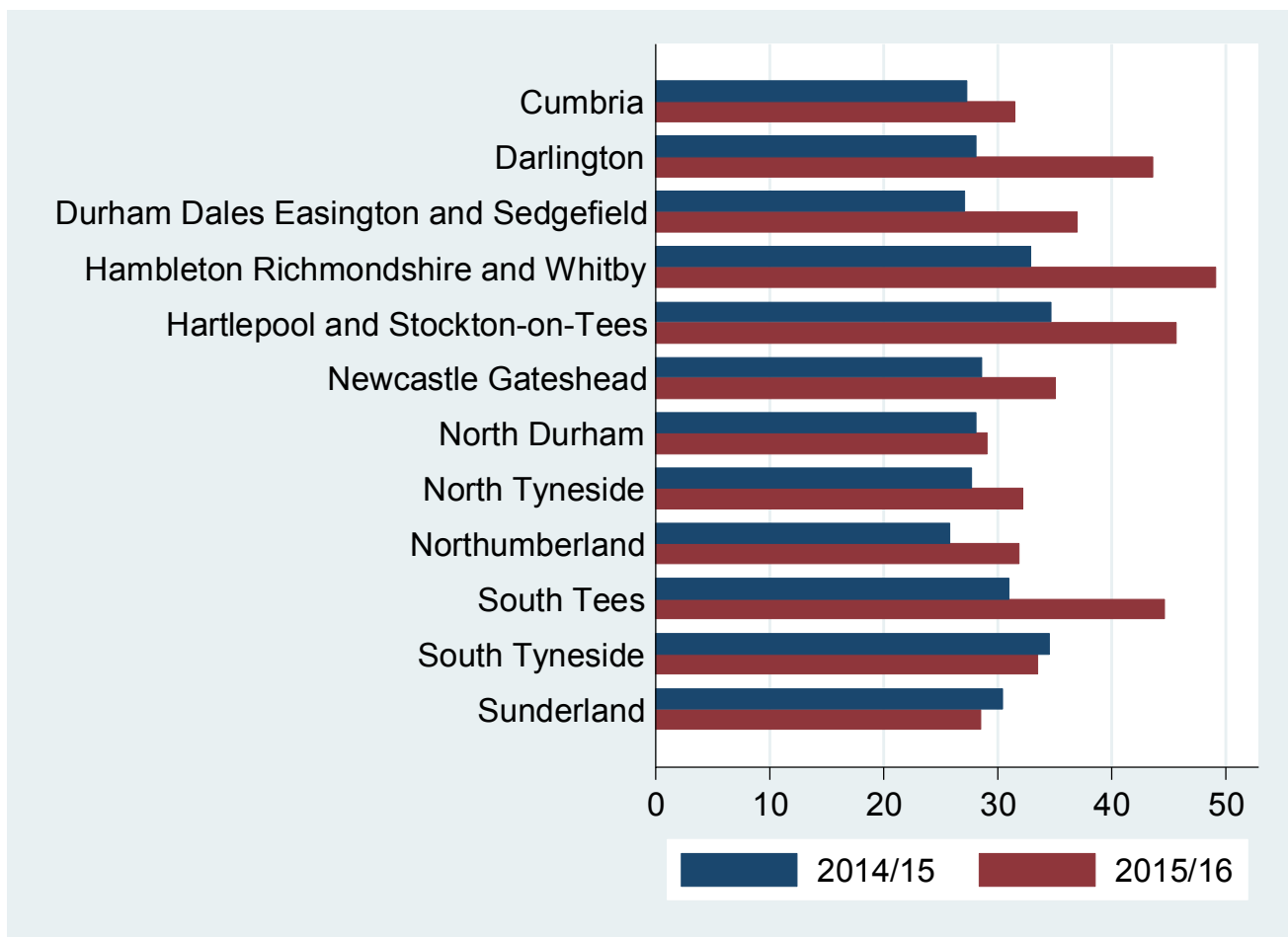


Table 107 – Percentage of IMRT episodes (persons) – South East Coast SCN

Clinical Commissioning Group	2014/15	2015/16
Ashford	22%	27%
Brighton & Hove	32%	36%
Canterbury and Coastal	30%	31%
Coastal West Sussex	43%	49%
Crawley	42%	41%
Dartford Gravesham and Swanley	32%	30%
East Surrey	41%	37%
Eastbourne Hailsham and Seaford	34%	39%
Guildford and Waverley	38%	38%
Hastings & Rother	27%	38%
High Weald Lewes Havens	32%	33%
Horsham and Mid Sussex	33%	46%
Medway	30%	28%
North West Surrey	33%	36%
South Kent Coast	34%	34%
Surrey Downs	34%	37%
Surrey Heath	27%	32%
Swale	25%	38%
Thanet	21%	40%
West Kent	32%	33%
Grand Total	33%	37%

Figure 25: % of IMRT Episodes (persons) – South East Coast SCN

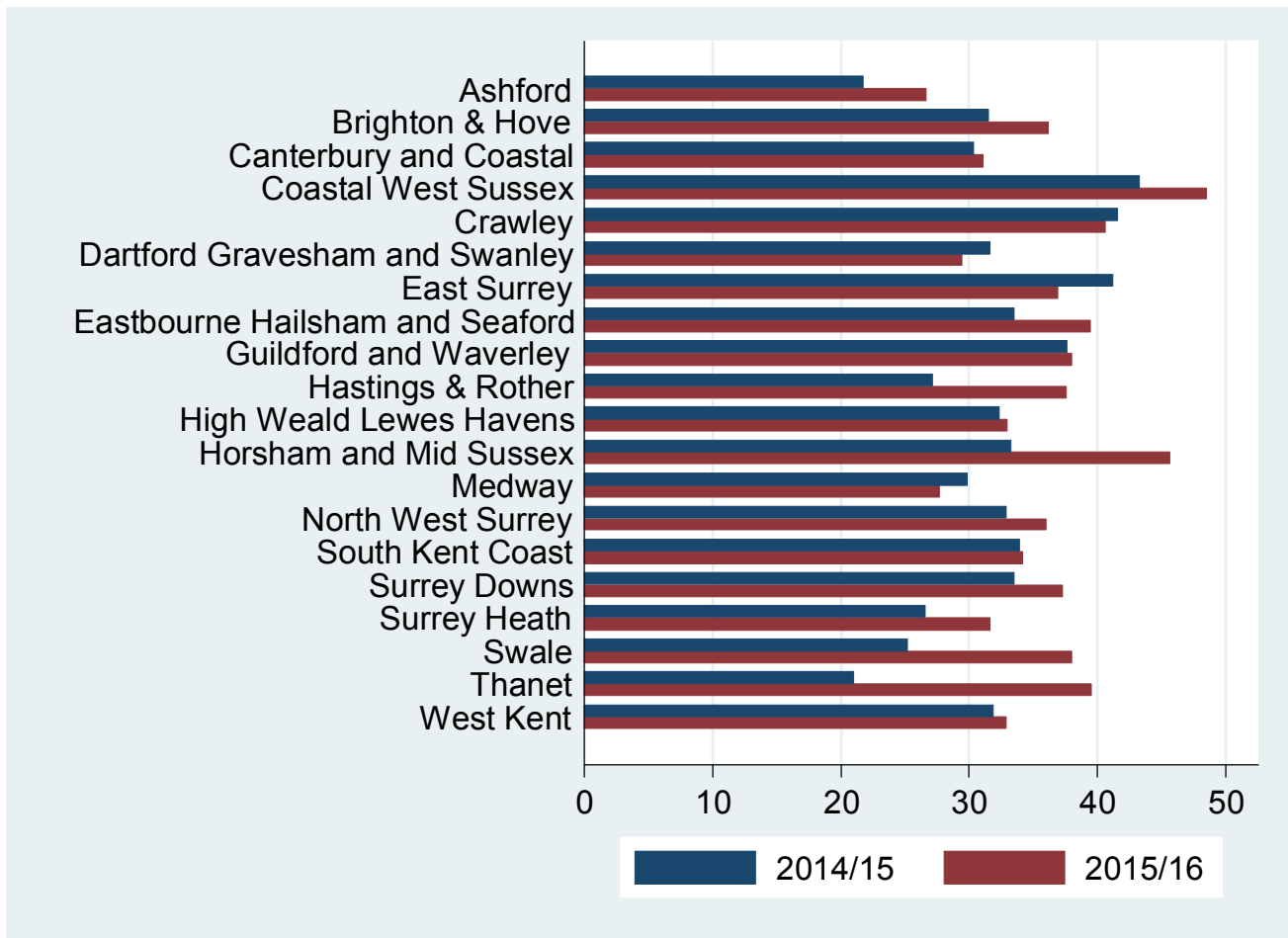


Table 108 – Percentage of IMRT episodes (persons) – South West SCN

Clinical Commissioning Group	2014/15	2015/16
Bath and North East Somerset	39%	36%
Bristol	23%	27%
Gloucestershire	26%	29%
Kernow	32%	42%
North East West Devon	30%	38%
North Somerset	30%	32%
Somerset	35%	41%
South Devon and Torbay	30%	34%
South Gloucestershire	27%	32%
Swindon	35%	36%
Wiltshire	36%	40%
Grand Total	31%	36%

Figure 26: % of IMRT Episodes (persons) – South West SCN

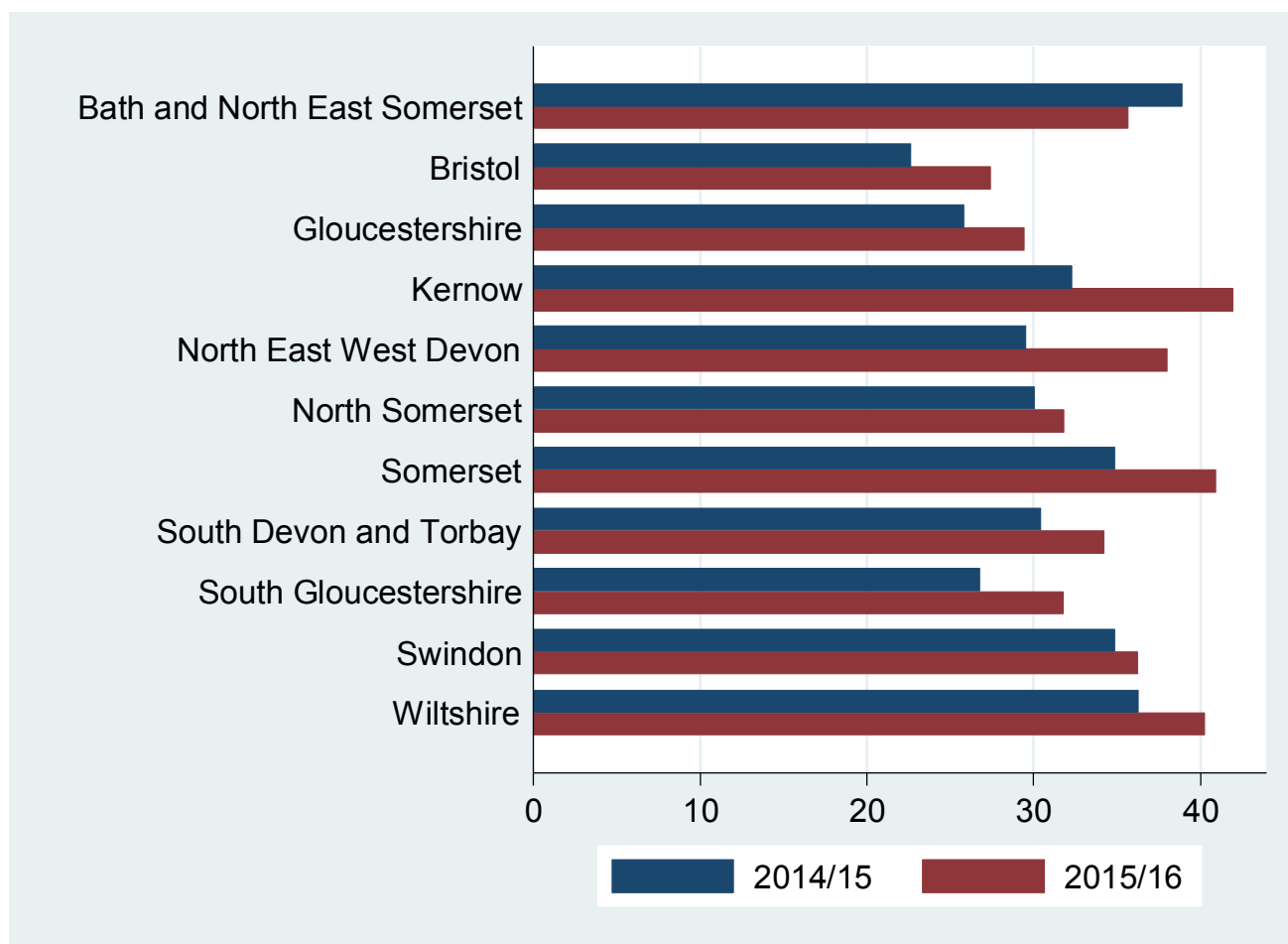


Table 109 – Percentage of IMRT episodes (persons) – Thames Valley SCN

Clinical Commissioning Group	2014/15	2015/16
Aylesbury Vale	27%	35%
Bracknell and Ascot	25%	31%
Chiltern	29%	36%
Newbury and District	33%	35%
North & West Reading	30%	42%
Oxfordshire	34%	46%
Slough	40%	33%
South Reading	23%	33%
Windsor Ascot and Maidenhead	22%	45%
Wokingham	22%	29%
Grand Total	29%	38%

Figure 27: % of IMRT Episodes (persons) – Thames Valley SCN

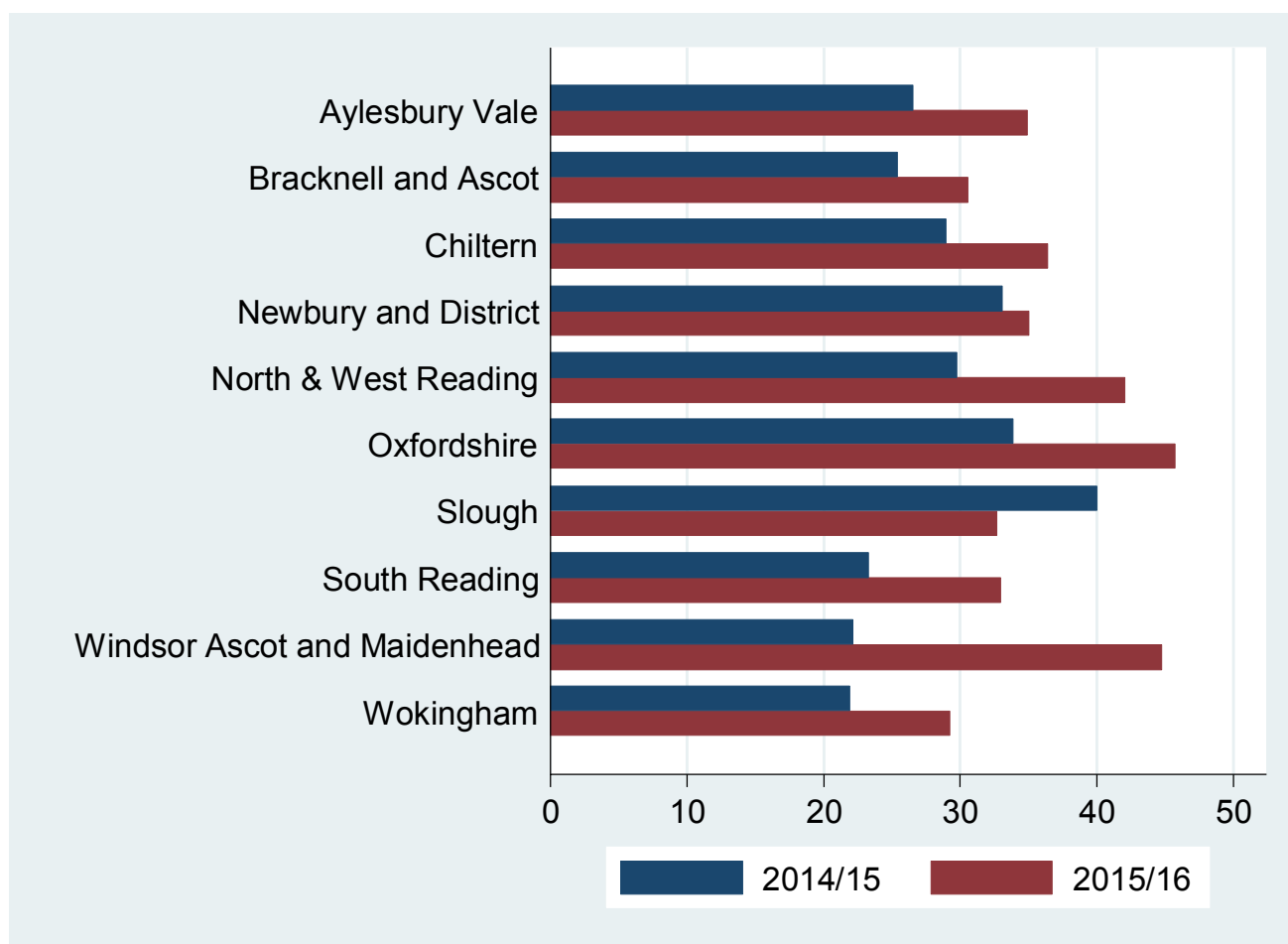


Table 110 – Percentage of IMRT episodes (persons) – Wessex SCN

Clinical Commissioning Group	2014/15	2015/16
Dorset	26%	31%
Fareham and Gosport	26%	30%
Isle of Wight	40%	46%
North East Hampshire and Farnham	29%	39%
North Hampshire	28%	29%
Portsmouth	33%	32%
South Eastern Hampshire	30%	40%
Southampton	26%	32%
West Hampshire	31%	27%
Grand Total	29%	32%

Figure 28: % of IMRT Episodes (persons) – Wessex SCN

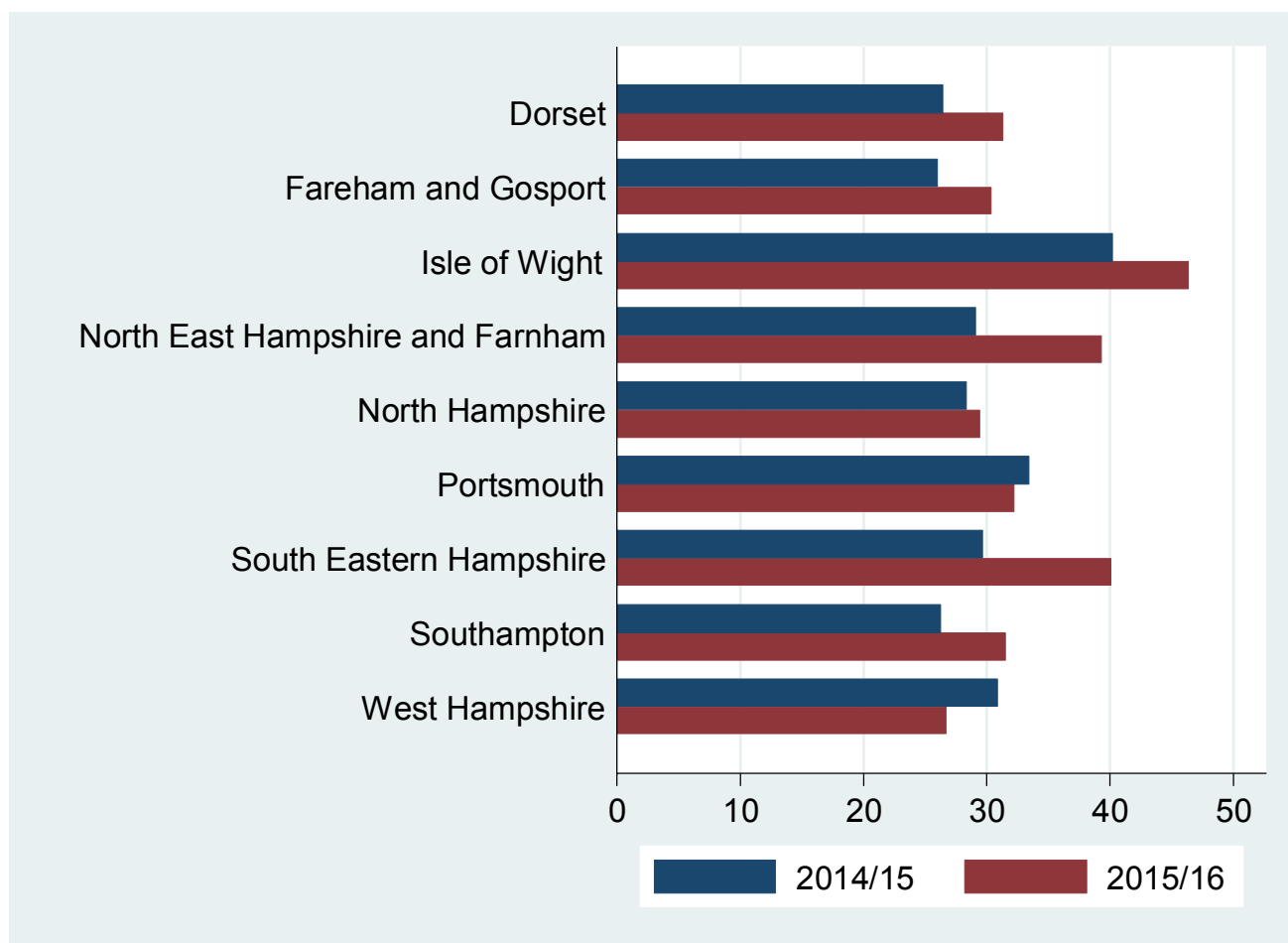


Table 111 – Percentage of IMRT episodes (persons) – West Midlands SCN

Clinical Commissioning Group	2014/15	2015/16
Birmingham CrossCity	36%	33%
Birmingham South and Central	29%	33%
Cannock Chase	31%	40%
Coventry and Rugby	26%	33%
Dudley	34%	36%
East Staffordshire	31%	30%
Herefordshire	35%	32%
North Staffordshire	38%	40%
Redditch and Bromsgrove	29%	32%
Sandwell and West Birmingham	35%	30%
Shropshire	37%	31%
Solihull	37%	39%
South East Staffs and Seisdon and Peninsular	39%	35%
South Warwickshire	28%	33%
South Worcestershire	31%	29%
Stafford and Surrounds	34%	36%
Stoke on Trent	39%	42%
Telford & Wrekin	29%	33%
Walsall	35%	41%
Warwickshire North	29%	33%
Wolverhampton	34%	34%
Wyre Forest	37%	29%
Grand Total	33%	34%

Figure 29: % of IMRT Episodes (persons) – West Midlands SCN

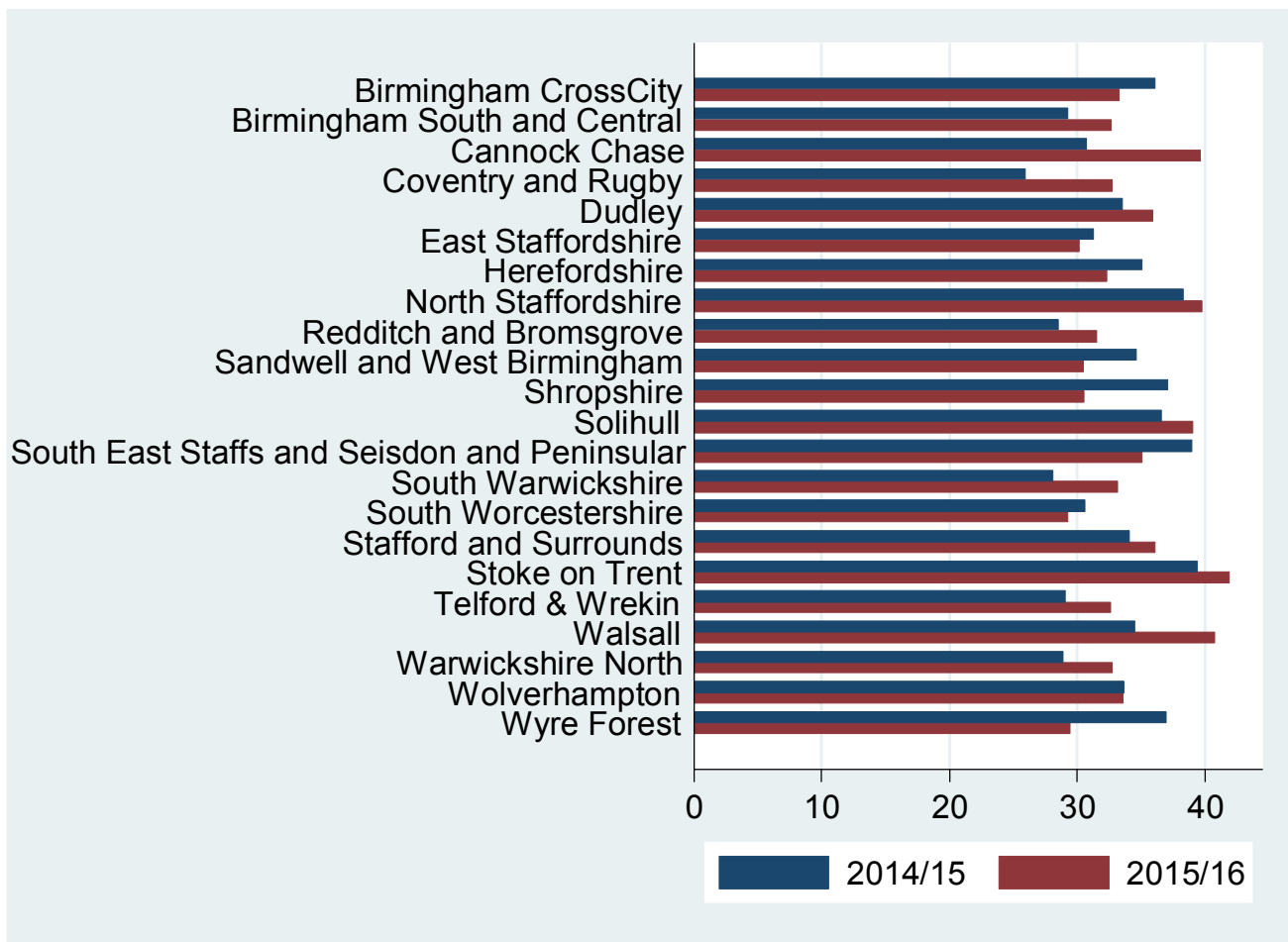
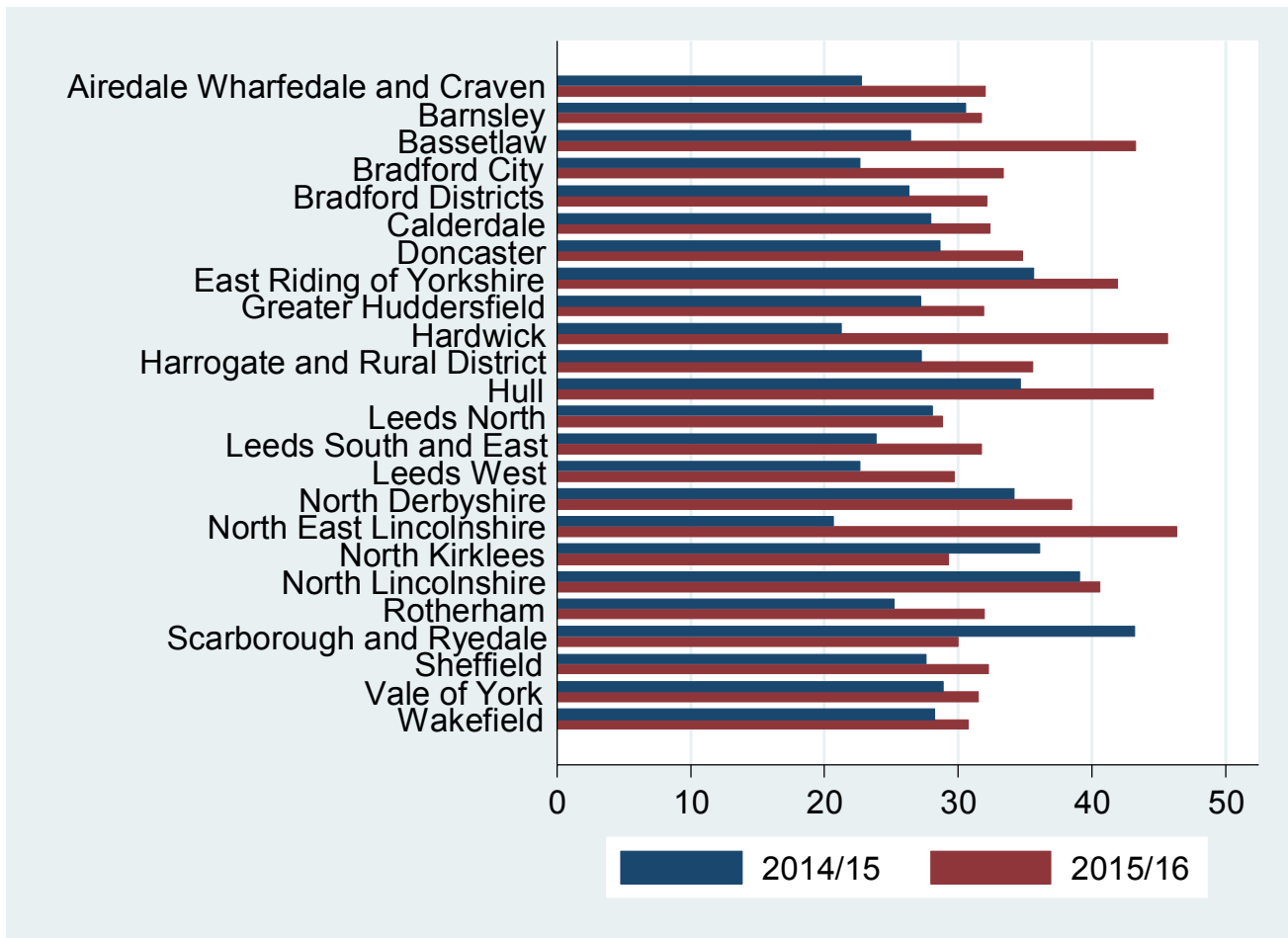


Table 112 – Percentage of IMRT episodes (persons) – Yorkshire and Humber SCN

Clinical Commissioning Group	2014/15	2015/16
Airedale Wharfedale and Craven	23%	32%
Barnsley	31%	32%
Bassetlaw	26%	43%
Bradford City	23%	33%
Bradford Districts	26%	32%
Calderdale	28%	32%
Doncaster	29%	35%
East Riding of Yorkshire	36%	42%
Greater Huddersfield	27%	32%
Hardwick	21%	46%
Harrogate and Rural District	27%	36%
Hull	35%	45%
Leeds North	28%	29%
Leeds South and East	24%	32%
Leeds West	23%	30%
North Derbyshire	34%	39%
North East Lincolnshire	21%	46%
North Kirklees	36%	29%
North Lincolnshire	39%	41%
Rotherham	25%	32%
Scarborough and Ryedale	43%	30%
Sheffield	28%	32%
Vale of York	29%	31%
Wakefield	28%	31%
Grand Total	29%	35%

Figure 30: % of IMRT Episodes (persons) – Yorkshire and Humber SCN



IMRT Key findings

Inverse planned Intensity Modulated Radiotherapy (IMRT) uptake should be standard for a minimum of 24% of all radical attendances and from April 2013 where IMRT was routinely offered to appropriate patients. From April 2014, it became mandatory for Trusts to submit the treatment intent, and as such, a methodology has been developed to identify the percentage of radical IMRT episodes that are carried out – see methodology on page 5.

Results show, that the general direction of IMRT is increasing by SCN and CCG when comparing 2014/15 IMRT with 2015/16.

Cheshire and Merseyside SCN

Knowsley CCG has shown a reduction in IMRT from 33% in 2014/15 to 29% in 2015/16. Southport and Formby CCG has shown a reduction in IMRT from 34% to 31% and Vale Royal CCG has shown a slight reduction from 34% to 33%. The Cheshire and Merseyside SCN overall, has increased the delivery of radical IMRT episodes from 30% in 2014/15 to 35% in 2015/16.

East Midlands SCN

Lincolnshire West CCG has shown a slight reduction in IMRT from 27% in 2014/15 to 26% in 2015/16. South West Lincolnshire CCG has shown a reduction from 25% to 23% and West Leicestershire has shown a slight reduction from 36% to 35%. East Midlands SCN overall, has increased the delivery of radical IMRT episodes from 31% in 2014/15 to 36% in 2015/16.

East of England SCN

Basildon and Brentwood CCG has shown a reduction in radical IMRT episodes, from 44% in 2014/15 to 35% in 2015/16. Castle Point Rayleigh and Rochford CCG have shown a reduction in the delivery of IMRT from 41% in 2014/15 to 39% in 2015/16. East and North Hertfordshire CCG showed a slight reduction from 36% in 2014/15 to 35% in 2015/16. East of England SCN overall, has increased the delivery of radical IMRT episodes from 36% to 40%.

Greater Manchester, Lancashire and South Cumbria SCN

Fylde & Wyre CCG have shown a reduction in radical IMRT episodes, from 48% to 46%. Heywood Middleton & Rochdale CCG has shown a reduction in IMRT from 39% in 2014/15 to 34% in 2015/16. All other CCGs have shown an increase in the delivery of radical IMRT episodes. Greater Manchester, Lancashire and South Cumbria SCN overall, has increased the delivery of radical IMRT episodes from 35% to 39%.

North and East London SCN

Camden CCG has shown a reduction in the delivery of radical IMRT episodes from 40% in 2014/15 to 38% in 2015/16. City and Hackney CCG have shown a reduction from 47% to 44%, Havering has shown a reduction from 48% to 42% and Redbridge CCG has shown a reduction in the delivery of IMRT from 44% in 2014/15 to 38% in 2015/16. North East London SCN overall, has increased the delivery of radical IMRT episodes from 38% to 42%.

North West and South London SCN

The delivery of radical IMRT episodes amongst all 20 CCGs in the North West and South London CCG have shown an increase, the SCN overall, has shown an increase from 30% in 2014/15 to 36% in 2015/16.

Northern England SCN

Within the Northern England SCN, two CCG delivered fewer radical IMRT episodes in 2015/16 when compared to 2014/15. South Tyneside CCG has shown a decrease from 35% to 33% and Sunderland CCG has shown a slight decrease from 30% to 29%. Northern England SCN overall, has increased the delivery of radical IMRT episodes from 29% to 36%.

South East Coast SCN

Crawley CCG has shown a slight decrease in the delivery of radical IMRT episodes from 42% in 2014/15 to 41% in 2015/16. Dartford Gravesham and Swanley CCG delivered fewer IMRT episodes in 2015/16, delivering 32% in 2014/15 and 30% in 2015/16. East Surrey CCG has shown a reduction from 41% to 37% and Medway CCG has shown a reduction from 30% to 28%. South East Coast SCN overall, has increased the delivery of radical IMRT episodes from 33% to 37%.

South West SCN

Bath and North East Somerset CCG have shown a reduction in the delivery of radical IMRT episodes from 39% in 2014/15 to 36% in 2015/16. South West SCN overall, has increased the delivery of radical IMRT episodes from 31% to 36%.

Thames Valley SCN

Slough CCG has shown a reduction in the delivery of radical IMRT episodes from 40% in 2014/15 to 33% in 2015/16. Thames Valley SCN overall, has increased the delivery of radical IMRT episodes from 29% to 38%.

Wessex SCN

Portsmouth CCG delivered slightly fewer radical IMRT episodes in 2015/16 when compared to 2014/15, delivering 33% radical IMRT in 2014/15 and 32% in 2015/16. West Hampshire has shown a reduction in the delivery of IMRT from 31% to 27%. Wessex SCN overall, has increased the delivery of radical IMRT episodes, from 29% to 32%.

West Midlands SCN

Birmingham CrossCity CCG delivered fewer radical IMRT episodes in 2015/16 when compared to 2014/15, delivering 36% in 2014/15 and 33% in 2015/16. East Staffordshire CCG has shown a slight reduction in the delivery of radical IMRT, delivering 31% in 2014/15 and 30% in 2015/16. Herefordshire CCG has shown a reduction from 35% to 32%. Sandwell and West Birmingham have shown a reduction from 35% to 30%. Shropshire CCG has shown a reduction from 37% to 31%. South East staffs and Seisdon and Peninsular CCG have shown a reduction from 39% to 35%. South Worcestershire CCG has shown a reduction from 31% to 29% and Wyre Forest CCG has shown a reduction from 37% to 29%. West Midlands SCN overall, has increased the delivery of radical IMRT episodes very slightly, from 33% to 34%.

Yorkshire and The Humber SCN

North Kirklees CCG delivered fewer radical IMRT episodes in 2015/16 when compared to 2014/15, delivering 36% in 2014/15 and 29% in 2015/16. Scarborough and Ryedale CCG have shown a reduction in the delivery of radical IMRT from 43% to 30%. Yorkshire and The Humber SCN overall, has increased the delivery of radical IMRT episodes, from 29% to 35%.

Number of episodes by SCN, gender and Cancer Group

Table 113: Number and percentage of episodes, males, Cheshire and Merseyside SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	855 (30.9%)	1,019 (34.5%)	1,035 (34.6%)	1,094 (36.2%)	1,127 (37.1%)	1,214 (38.0%)	1,162 (38.1%)
Lung (C33-C34)	512 (18.5%)	561 (19.0%)	520 (17.4%)	552 (18.2%)	586 (19.3%)	590 (18.5%)	528 (17.3%)
Colorectal (C18-C20)	296 (10.7%)	300 (10.2%)	310 (10.4%)	301 (9.9%)	258 (8.5%)	286 (8.9%)	239 (7.8%)
C00-C97 exc C44	2,766 (92.5%)	2,952 (94.4%)	2,990 (93.8%)	3,026 (92.9%)	3,034 (92.0%)	3,196 (93.0%)	3,047 (91.9%)

In the Cheshire and Merseyside SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 31% (2009/10) and 38% (2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 17% (2011/12 and 2015/16) and 19% (2009/10, 2010/11, 2013/14 and 2014/15) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 8% (2015/16) and 11% (2009/10) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 92% and 94% were delivered for the treatment of cancer.

Table 114: Number and percentage of episodes, females, Cheshire and Merseyside SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	1,607 (53.6%)	1,684 (53.7%)	1,786 (54.7%)	1,792 (55.7%)	1,849 (55.1%)	1,818 (53.5%)	1,811 (53.0%)
Lung (C33-C34)	439 (14.6%)	462 (14.7%)	476 (14.6%)	458 (14.2%)	503 (15.0%)	566 (16.7%)	553 (16.2%)
Colorectal (C18-C20)	143 (4.8%)	139 (4.4%)	178 (5.4%)	176 (5.5%)	126 (3.8%)	143 (4.2%)	127 (3.7%)
C00-C97 exc C44	2,999 (93.3%)	3,136 (94.2%)	3,267 (93.8%)	3,219 (93.1%)	3,356 (92.2%)	3,399 (93.0%)	3,416 (92.8%)

In the Cheshire and Merseyside SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 53% (2015/16) and 56% (2012/13) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 14% (2012/13) and 17% (2014/15) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 5% (2009/10) and 4% (2015/16).

Of all radiotherapy episodes delivered (cancer and non-cancer), delivered to women during this time period, between 92% and 94% were delivered for the treatment of cancer.

Table 115: Number and percentage of episodes, males, East Midlands SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate	999 (34.0%)	1,170 (33.8%)	1,478 (38.8%)	1,388 (38.0%)	1,439 (37.5%)	1,477 (37.9%)	1,444 (37.8%)
Lung	523 (17.8%)	599 (17.3%)	652 (17.1%)	598 (16.4%)	628 (16.4%)	625 (16.0%)	577 (15.1%)
Colorectal	344 (11.7%)	382 (11.0%)	360 (9.5%)	350 (9.6%)	367 (9.6%)	353 (9.1%)	337 (8.8%)
C00-C97 exc C44	2,937 (91.2%)	3,458 (93.8%)	3,805 (94.4%)	3,648 (94.2%)	3,838 (93.8%)	3,896 (94.5%)	3,816 (93.6%)

In the East Midlands SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 34% (2009/10 and 2010/11) and 39% (2011/12) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 15% (2015/16) and 18% (2009/10) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 9% (2014/15, 2015/16) and 12% (2009/10) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 91% and 94% were delivered for the treatment of cancer.

Table 116: Number and percentage of episodes, females, East Midlands SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast	2,089 (58.8%)	2,358 (58.3%)	2,389 (57.5%)	2,424 (56.3%)	2,319 (56.3%)	2,428 (55.3%)	2,448 (57.2%)
Lung	371 (10.5%)	394 (9.7%)	462 (11.1%)	509 (11.8%)	485 (11.8%)	550 (12.5%)	465 (10.9%)
Colorectal	191 (5.4%)	183 (4.5%)	173 (4.2%)	213 (4.9%)	204 (5.0%)	205 (4.7%)	214 (5.0%)
C00-C97 exc C44	3,550 (95.0%)	4,043 (96.0%)	4,158 (95.6%)	4,308 (96.3%)	4,121 (95.7%)	4,391 (95.9%)	4,281 (95.7%)

In the East Midlands SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 55% (2014/15) and 59% (2009/10) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 10% (2010/11) and 13% (2014/15) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 4% (2011/12) and 5% (2009/10, 2010/11, 2012/13, 2013/14, 2014/15 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 95% and 96% were delivered for the treatment of cancer.

Table 117: Number and percentage of episodes, males, East of England SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate	2,458 (32.9%)	2,596 (34.2%)	2,874 (37.8%)	2,886 (38.7%)	3,122 (40.3%)	3,104 (41.3%)	3,224 (41.5%)
Lung	1,131 (15.2%)	1,144 (15.1%)	1,202 (15.8%)	1,267 (17.0%)	1,216 (15.7%)	1,172 (15.6%)	1,203 (15.5%)
Colorectal	539 (7.2%)	530 (7.0%)	498 (6.6%)	502 (6.7%)	495 (6.4%)	479 (6.4%)	518 (6.7%)
C00-C97 exc C44	7,465 (94.3%)	7,583 (94.8%)	7,594 (92.3%)	7,467 (92.8%)	7,750 (93.3%)	7,521 (93.3%)	7,766 (93.7%)

In the East of England SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 33% (2009/10) and 42% (2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 15% (2009/10, and 2010/11) and 17% (2012/13) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 6% (2013/14 and 2014/15) and 7% (2009/10, 2010/11, 2011/12, 2012/13 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 92% and 94% were delivered for the treatment of cancer.

Table 118: Number and percentage of episodes, females, East of England SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast	4,522 (55.1%)	4,658 (55.2%)	4,907 (57.0%)	5,002 (59.7%)	5,175 (60.0%)	5,049 (59.4%)	4,949 (57.4%)
Lung	793 (9.7%)	824 (9.8%)	959 (11.1%)	946 (11.3%)	928 (10.8%)	868 (10.2%)	946 (11.0%)
Colorectal	285 (3.5%)	326 (3.9%)	296 (3.4%)	306 (3.7%)	277 (3.2%)	306 (3.6%)	313 (3.6%)
C00-C97 exc C44	8,212 (94.6%)	8,431 (95.2%)	8,605 (95.2%)	8,375 (95.2%)	8,619 (95.3%)	8,495 (95.6%)	8,626 (95.7%)

In the East of England SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 55% (2009/10 and 2010/11) and 60% (2012/13 and 2013/14) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 10% (2009/10, 2010/11 and 2014/15) and 11% (2011/12, 2012/13, 2013/14 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2011/12 and 2013/14) and 4% (2009/10, 2010/11, 2012/13, 2014/15 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 95% and 96% were delivered for the treatment of cancer.

Table 119: Number and percentage of episodes, males, Greater Manchester, Lancashire and South Cumbria SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate	1,195 (29.7%)	1,338 (31.9%)	1,490 (33.2%)	1,365 (31.5%)	1,602 (34.3%)	1,684 (36.9%)	1,656 (36.6%)
Lung	887 (22.1%)	837 (19.9%)	876 (19.5%)	871 (20.1%)	912 (19.5%)	888 (19.4%)	879 (19.4%)
Colorectal	363 (9.0%)	403 (9.6%)	439 (9.8%)	390 (9.0%)	456 (9.8%)	376 (8.2%)	347 (7.7%)
C00-C97 exc C44	4,020 (91.3%)	4,200 (92.1%)	4,485 (91.3%)	4,338 (91.2%)	4,667 (90.7%)	4,569 (90.8%)	4,527 (90.6%)

In the Greater Manchester, Lancashire and South Cumbria SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 30% (2009/10) and 37% (2014/15 and 2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 19% (2014/15 and 2015/16) and 22% (2009/10) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 8% (2014/15 and 2015/16) and 10% (2010/11, 2011/12 and 2013/14) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 91% and 92% were delivered for the treatment of cancer.

Table 120: Number and percentage of episodes, females, Greater Manchester, Lancashire and South Cumbria SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast	2,270 (51.6%)	2,548 (53.7%)	2,643 (52.9%)	2,581 (53.4%)	2,642 (52.7%)	2,600 (52.1%)	2,557 (51.4%)
Lung	731 (16.6%)	722 (15.2%)	734 (14.7%)	703 (14.5%)	765 (15.3%)	753 (15.1%)	796 (16.0%)
Colorectal	219 (5.0%)	223 (4.7%)	213 (4.3%)	215 (4.4%)	222 (4.4%)	195 (3.9%)	186 (3.7%)
C00-C97 exc C44	4,402 (92.6%)	4,741 (93.2%)	5,000 (92.9%)	4,833 (93.1%)	5,012 (92.2%)	4,993 (93.0%)	4,975 (93.0%)

In the Greater Manchester, Lancashire and South Cumbria SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 51% (2015/16) and 54% (2010/11) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 15% (2010/11, 2011/12 and 2012/13) and 17% (2009/10) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 4% (2011/12, 2012/13, 2013/14, 2014/15 and 2015/16) and 5% (2009/10 and 2010/11) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 92% and 93% were delivered for the treatment of cancer.

Table 121: Number and percentage of episodes, males, North and East London SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate	605 (30.9%)	741 (35.4%)	788 (35.6%)	796 (35.9%)	742 (34.3%)	812 (36.7%)	802 (36.7%)
Lung	276 (14.1%)	293 (14.0%)	384 (17.3%)	369 (16.6%)	387 (17.9%)	357 (16.1%)	330 (15.1%)
Colorectal	167 (8.5%)	175 (8.4%)	151 (6.8%)	163 (7.3%)	153 (7.1%)	160 (7.2%)	150 (6.9%)
C00-C97 exc C44	1,955 (95.7%)	2,093 (95.7%)	2,216 (91.7%)	2,219 (91.7%)	2,162 (91.6%)	2,211 (91.8%)	2,183 (91.4%)

In the North and East London SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 31% (2009/10) and 37% (2014/15 and 2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 14% (2009/10 and 2010/11) and 18% (2013/14) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 7% (2011/12, 2012/13, 2013/14, 2014/15 and 2015/16) and 9% (2009/10) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 91% and 96% were delivered for the treatment of cancer.

Table 122: Number and percentage of episodes, females, North and East London SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast	1,197 (49.0%)	1,335 (55.0%)	1,432 (53.5%)	1,354 (53.2%)	1,448 (55.0%)	1,638 (57.6%)	1,529 (55.7%)
Lung	231 (9.4%)	218 (9.0%)	280 (10.5%)	252 (9.9%)	289 (11.0%)	267 (9.4%)	280 (10.2%)
Colorectal	110 (4.5%)	87 (3.6%)	114 (4.3%)	106 (4.2%)	106 (4.0%)	93 (3.3%)	96 (3.5%)
C00-C97 exc C44	2,445 (95.8%)	2,428 (97.1%)	2,679 (94.6%)	2,544 (93.9%)	2,631 (92.9%)	2,844 (94.4%)	2,745 (93.8%)

In the North and East London SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 49% (2009/10) and 58% (2014/15) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 9% (2009/10, 2010/11 and 2014/15) and 11% (2011/12 and 2013/14) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2014/15) and 5% (2009/10) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 93% and 97% were delivered for the treatment of cancer.

Table 123: Number and percentage of episodes, males, North West and South London SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,420 (33.9%)	1,364 (33.1%)	1,461 (34.8%)	1,380 (34.0%)	1,558 (36.9%)	1,676 (38.5%)	1,677 (38.4%)
Lung (C33-C34)	644 (15.4%)	658 (16.0%)	649 (15.5%)	684 (16.9%)	701 (16.6%)	707 (16.2%)	685 (15.7%)
Colorectal (C18-C20)	247 (5.9%)	264 (6.4%)	324 (7.7%)	318 (7.8%)	287 (6.8%)	271 (6.2%)	274 (6.3%)
C00-C97 exc C44	4,184 (91.0%)	4,115 (91.9%)	4,196 (91.6%)	4,056 (91.1%)	4,225 (91.6%)	4,354 (92.7%)	4,365 (92.2%)

In the North West and South London SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 34% (2009/10 and 2012/13) and 39% (2014/15) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 15% (2009/10) and 17% (2012/13 and 2013/14) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 6% (2009/10, 2010/11, 2014/15 and 2015/16) and 8% (2011/12 and 2012/13) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 91% and 93% were delivered for the treatment of cancer.

Table 124: Number and percentage of episodes, females, North West and South London SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	2,516 (54.2%)	2,551 (54.7%)	2,597 (53.6%)	2,617 (54.2%)	2,639 (54.9%)	2,866 (56.2%)	2,671 (55.5%)
Lung (C33-C34)	513 (11.0%)	490 (10.5%)	480 (9.9%)	588 (12.2%)	553 (11.5%)	569 (11.1%)	493 (10.2%)
Colorectal (C18-C20)	173 (3.7%)	159 (3.4%)	168 (3.5%)	187 (3.9%)	161 (3.4%)	198 (3.9%)	153 (3.2%)
C00-C97 exc C44	4,644 (91.5%)	4,667 (92.3%)	4,844 (91.2%)	4,832 (92.0%)	4,803 (93.2%)	5,104 (92.3%)	4,816 (93.2%)

In the North West and South London SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 54% (2009/10, 2011/12 and 2012/13) and 56% (2014/15 and 2015/16) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 10% (2011/12) and 12% (2012/13 and 2013/14) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2010/11, 2013/14 and 2015/16) and 4% (2009/10, 2011/12, 2012/13 and 2014/15) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 91% and 93% were delivered for the treatment of cancer.

Table 125: Number and percentage of episodes, males, Northern England SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	913 (26.8%)	987 (28.9%)	1,144 (31.3%)	1,197 (31.8%)	1,306 (34.6%)	1,346 (33.9%)	1,291 (31.6%)
Lung (C33-C34)	745 (21.8%)	682 (20.0%)	738 (20.2%)	819 (21.8%)	754 (20.0%)	766 (19.3%)	817 (20.0%)
Colorectal (C18-C20)	363 (10.6%)	332 (9.7%)	360 (9.8%)	313 (8.3%)	290 (7.7%)	329 (8.3%)	333 (8.2%)
C00-C97 exc C44	3,412 (96.5%)	3,410 (97.9%)	3,656 (97.7%)	3,762 (96.1%)	3,779 (95.8%)	3,973 (96.8%)	4,083 (96.3%)

In the Northern England SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 27% (2009/10) and 35% (2013/14) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 19% (2014/15) and 22% (2009/10 and 2012/13) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 8% (2012/13, 2013/14, 2014/15 and 2015/16) and 11% (2009/10) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 96% and 98% were delivered for the treatment of cancer.

Table 126: Number and percentage of episodes, females, Northern England SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	2,155 (51.6%)	2,134 (51.1%)	2,444 (54.3%)	2,363 (55.3%)	2,316 (51.7%)	2,366 (52.6%)	2,394 (52.3%)
Lung (C33-C34)	654 (15.7%)	632 (15.1%)	746 (16.6%)	703 (16.5%)	808 (18.0%)	728 (16.2%)	801 (17.5%)
Colorectal (C18-C20)	161 (3.9%)	159 (3.8%)	166 (3.7%)	162 (3.8%)	148 (3.3%)	151 (3.4%)	174 (3.8%)
C00-C97 exc C44	4,173 (96.7%)	4,178 (98.1%)	4,504 (97.9%)	4,272 (97.0%)	4,482 (97.4%)	4,496 (97.9%)	4,579 (97.4%)

In the Northern England SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 51% (2010/11) and 55% (2012/13) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 15% (2010/11) and 18% (2013/14 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2013/14 and 2014/15) and 4% (2009/10, 2010/11, 2011/12, 2012/13 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 97% and 98% were delivered for the treatment of cancer.

Table 127: Number and percentage of episodes, males, South East Coast SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,942 (41.1%)	1,771 (37.7%)	1,841 (38.4%)	1,884 (39.0%)	2,184 (43.8%)	2,518 (45.8%)	2,398 (44.6%)
Lung (C33-C34)	655 (13.9%)	681 (14.5%)	682 (14.2%)	787 (16.3%)	707 (14.2%)	692 (12.6%)	679 (12.6%)
Colorectal (C18-C20)	313 (6.6%)	363 (7.7%)	310 (6.5%)	329 (6.8%)	322 (6.5%)	323 (5.9%)	330 (6.1%)
C00-C97 exc C44	4,720 (92.7%)	4,692 (92.0%)	4,791 (90.3%)	4,835 (90.8%)	4,990 (92.3%)	5,497 (94.0%)	5,376 (93.7%)

In the South East Coast SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 38% (2010/11) and 46% (2014/15) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 13% (2014/15 and 2015/16) and 16% (2012/13) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 6% (2014/15 and 2015/16) and 8% (2010/11) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 90% and 94% were delivered for the treatment of cancer.

Table 128: Number and percentage of episodes, females, South East Coast SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	3,315 (60.8%)	3,365 (60.8%)	3,381 (61.4%)	3,406 (62.1%)	3,511 (62.4%)	3,452 (60.8%)	3,269 (58.8%)
Lung (C33-C34)	472 (8.7%)	497 (9.0%)	505 (9.2%)	572 (10.4%)	486 (8.6%)	531 (9.4%)	538 (9.7%)
Colorectal (C18-C20)	209 (3.8%)	215 (3.9%)	190 (3.5%)	201 (3.7%)	177 (3.1%)	224 (3.9%)	193 (3.5%)
C00-C97 exc C44	5,448 (94.6%)	5,536 (94.2%)	5,506 (93.0%)	5,481 (93.1%)	5,627 (94.4%)	5,674 (95.1%)	5,557 (94.5%)

In the South East Coast SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 59% (2015/16) and 62% (2012/13 and 2013/14) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 9% (2009/10, 2010/11, 2011/12, 2013/14 and 2014/15) and 10% (2012/13 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2013/14) and 4% (2009/10, 2010/11, 2011/12, 2012/13, 2014/15 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 93% and 95% were delivered for the treatment of cancer.

Table 129: Number and percentage of episodes, males, South West SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,913 (34.8%)	2,099 (37.0%)	2,298 (38.7%)	2,321 (39.4%)	2,326 (39.4%)	2,499 (41.7%)	2,357 (40.0%)
Lung (C33-C34)	885 (16.1%)	877 (15.4%)	973 (16.4%)	846 (14.4%)	867 (14.7%)	880 (14.7%)	909 (15.4%)
Colorectal (C18-C20)	398 (7.2%)	418 (7.4%)	370 (6.2%)	388 (6.6%)	384 (6.5%)	371 (6.2%)	339 (5.7%)
C00-C97 exc C44	5,505 (94.3%)	5,678 (92.1%)	5,945 (92.3%)	5,890 (92.7%)	5,906 (91.9%)	5,992 (92.6%)	5,899 (92.4%)

In the South West SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 35% (2009/10) and 42% (2014/15) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 14% (2012/13) and 16% (2009/10 and 2011/12) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 6% (2011/12, 2014/15 and 2015/16) and 7% (2009/10, 2010/11, 2012/13 and 2013/14) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 92% and 94% were delivered for the treatment of cancer.

Table 130: Number and percentage of episodes, females, South West SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	3,491 (57.0%)	3,740 (56.5%)	3,660 (55.6%)	3,671 (56.0%)	3,797 (57.5%)	3,748 (57.7%)	3,722 (57.8%)
Lung (C33-C34)	629 (10.3%)	654 (9.9%)	702 (10.7%)	661 (10.1%)	636 (9.6%)	662 (10.2%)	626 (9.7%)
Colorectal (C18-C20)	221 (3.6%)	247 (3.7%)	257 (3.9%)	239 (3.6%)	228 (3.5%)	206 (3.2%)	230 (3.6%)
C00-C97 exc C44	6,129 (95.4%)	6,620 (94.6%)	6,581 (94.4%)	6,556 (94.4%)	6,598 (94.2%)	6,493 (94.5%)	6,435 (93.7%)

In the South West SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 56% (2011/12 and 2012/13) and 58% (2013/14, 2014/15 and 2015/16) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 10% (2009/10, 2010/11, 2012/13, 2013/14, 2014/15 and 2015/16) and 11% (2011/12) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2014/15) and 4% (2009/10, 2010/11, 2011/12, 2012/13, 2013/14 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 94% and 95% were delivered for the treatment of cancer.

Table 131: Number and percentage of episodes, males, Thames Valley SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	728 (38.7%)	727 (36.2%)	908 (42.2%)	714 (37.7%)	732 (37.6%)	923 (43.8%)	976 (44.8%)
Lung (C33-C34)	300 (15.9%)	325 (16.2%)	303 (14.1%)	268 (14.1%)	239 (12.3%)	251 (11.9%)	238 (10.9%)
Colorectal (C18-C20)	156 (8.3%)	172 (8.6%)	169 (7.9%)	155 (8.2%)	166 (8.5%)	175 (8.3%)	162 (7.4%)
C00-C97 exc C44	1,882 (94.2%)	2,010 (92.1%)	2,150 (91.2%)	1,895 (86.2%)	1,945 (86.2%)	2,105 (94.4%)	2,181 (93.0%)

In the Thames Valley SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 36% (2010/11) and 45% (2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 11% (2015/16) and 16% (2009/10 and 2010/11) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 7% (2015/16) and 9% (2010/11 and 2013/14) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 86% and 94% were delivered for the treatment of cancer.

Table 132: Number and percentage of episodes, females, Thames Valley SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	1,334 (62.6%)	1,617 (63.8%)	1,600 (66.0%)	1,585 (64.9%)	1,553 (64.8%)	1,594 (64.9%)	1,491 (60.5%)
Lung (C33-C34)	188 (8.8%)	226 (8.9%)	184 (7.6%)	217 (8.9%)	201 (8.4%)	206 (8.4%)	246 (10.0%)
Colorectal (C18-C20)	105 (4.9%)	103 (4.1%)	119 (4.9%)	106 (4.3%)	108 (4.5%)	98 (4.0%)	104 (4.2%)
C00-C97 exc C44	2,131 (95.2%)	2,533 (94.1%)	2,424 (94.0%)	2,444 (93.2%)	2,395 (93.2%)	2,455 (94.8%)	2,464 (94.7%)

In the Thames Valley SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 61% (2015/16) and 66% (2011/12) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 8% (2011/12) and 10% (2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 4% (2010/11, 2012/13, 2014/15 and 2015/16) and 5% (2009/10, 2011/12 and 2013/14) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 93% and 95% were delivered for the treatment of cancer.

Table 133: Number and percentage of episodes, males, Wessex SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,082 (36.9%)	1,126 (37.3%)	1,098 (34.8%)	1,189 (38.3%)	1,358 (43.0%)	1,481 (43.6%)	1,501 (42.8%)
Lung (C33-C34)	503 (17.2%)	508 (16.8%)	530 (16.8%)	468 (15.1%)	486 (15.4%)	488 (14.4%)	481 (13.7%)
Colorectal (C18-C20)	198 (6.8%)	220 (7.3%)	223 (7.1%)	217 (7.0%)	191 (6.1%)	173 (5.1%)	213 (6.1%)
C00-C97 exc C44	2,929 (93.3%)	3,015 (91.6%)	3,155 (92.8%)	3,107 (91.8%)	3,157 (91.4%)	3,395 (93.2%)	3,509 (93.2%)

In the Wessex SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 35% (2011/12) and 44% (2014/15) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 14% (2014/15 and 2015/16) and 17% (2009/10, 2010/11 and 2011/12) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 5% (2014/15) and 7% (2009/10, 2010/11, 2011/12 and 2012/13) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 91% and 93% were delivered for the treatment of cancer.

Table 134: Number and percentage of episodes, females, Wessex SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	1,917 (58.2%)	1,905 (58.7%)	2,070 (57.9%)	2,220 (60.5%)	1,988 (58.9%)	2,189 (59.5%)	2,276 (59.6%)
Lung (C33-C34)	338 (10.3%)	325 (10.0%)	381 (10.7%)	375 (10.2%)	334 (9.9%)	368 (10.0%)	408 (10.7%)
Colorectal (C18-C20)	123 (3.7%)	118 (3.6%)	117 (3.3%)	110 (3.0%)	102 (3.0%)	117 (3.2%)	106 (2.8%)
C00-C97 exc C44	3,294 (96.1%)	3,244 (94.6%)	3,575 (95.2%)	3,669 (95.0%)	3,375 (95.0%)	3,682 (95.5%)	3,818 (94.7%)

In the Wessex SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 58% (2009/10 and 2011/12) and 61% (2012/13) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 10% (2009/10, 2010/11, 2012/13, 2013/14 and 2014/15) and 11% (2011/12 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2011/12, 2012/13, 2013/14, 2014/15 and 2015/16) and 4% (2009/10 and 2010/11) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 95% and 96% were delivered for the treatment of cancer.

Table 135: Number and percentage of episodes, males, West Midlands SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,776 (34.2%)	1,951 (36.7%)	2,142 (39.1%)	2,122 (39.1%)	2,400 (41.2%)	2,418 (42.1%)	2,196 (40.6%)
Lung (C33-C34)	803 (15.4%)	765 (14.4%)	787 (14.4%)	823 (15.2%)	826 (14.2%)	887 (15.4%)	832 (15.4%)
Colorectal (C18-C20)	425 (8.2%)	507 (9.5%)	473 (8.6%)	457 (8.4%)	457 (7.9%)	423 (7.4%)	372 (6.9%)
C00-C97 exc C44	5,199 (89.7%)	5,311 (90.9%)	5,476 (91.4%)	5,421 (90.7%)	5,820 (90.3%)	5,747 (89.6%)	5,415 (88.2%)

In the West Midlands SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 34% (2009/10) and 42% (2014/15) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 14% (2010/11, 2011/12 and 2013/14) and 15% (2009/10, 2012/13, 2014/15 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 7% (2014/15 and 2015/16) and 10% (2010/11) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 88% and 91% were delivered for the treatment of cancer.

Table 136: Number and percentage of episodes, females, West Midlands SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	3,433 (56.3%)	3,737 (59.1%)	3,839 (58.8%)	3,922 (59.5%)	4,057 (59.9%)	4,022 (58.3%)	3,849 (59.9%)
Lung (C33-C34)	486 (8.0%)	563 (8.9%)	570 (8.7%)	572 (8.7%)	589 (8.7%)	643 (9.3%)	590 (9.2%)
Colorectal (C18-C20)	246 (4.0%)	245 (3.9%)	285 (4.4%)	275 (4.2%)	233 (3.4%)	222 (3.2%)	222 (3.5%)
C00-C97 exc C44	6,096 (91.1%)	6,319 (92.4%)	6,529 (93.9%)	6,591 (94.0%)	6,768 (92.9%)	6,893 (92.0%)	6,421 (92.4%)

In the West Midlands SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 56% (2009/10) and 60% (2012/13, 2013/14 and 2015/16) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 8% (2009/10) and 9% (2010/11, 2011/12, 2012/13, 2013/14, 2014/15 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 3% (2013/14 and 2014/15) and 4% (2009/10, 2010/11, 2011/12, 2012/13 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 91% and 94% were delivered for the treatment of cancer.

Table 137: Number and percentage of episodes, males, Yorkshire and the Humber SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Prostate (C61)	1,558 (27.6%)	1,669 (29.3%)	1,837 (30.8%)	2,270 (36.4%)	2,373 (38.0%)	2,432 (38.2%)	2,444 (37.5%)
Lung (C33-C34)	902 (16.0%)	948 (16.6%)	1,025 (17.2%)	1,289 (20.7%)	1,132 (18.1%)	1,163 (18.3%)	1,126 (17.3%)
Colorectal (C18-C20)	520 (9.2%)	520 (9.1%)	550 (9.2%)	467 (7.5%)	521 (8.3%)	486 (7.6%)	550 (8.4%)
C00-C97 exc C44	5,646 (96.6%)	5,698 (96.6%)	5,968 (95.3%)	6,235 (95.5%)	6,247 (95.3%)	6,366 (95.8%)	6,525 (95.7%)

In the Yorkshire and the Humber SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst males, between 28% (2009/10) and 38% (2013/14, 2014/15 and 2015/16) were delivered as treatment for prostate cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 16% (2009/10) and 21% (2012/13) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 8% (2012/13, 2013/14, 2014/15 and 2015/16) and 9% (2009/10, 2010/11 and 2011/12) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to men during this time period, between 95% and 97% were delivered for the treatment of cancer.

Table 138: Number and percentage of episodes, females, Yorkshire and the Humber SCN

Tumour type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Breast (C50)	3,100 (50.5%)	3,247 (52.1%)	3,304 (51.2%)	3,604 (52.7%)	3,690 (53.5%)	3,539 (51.9%)	3,478 (51.9%)
Lung (C33-C34)	785 (12.8%)	761 (12.2%)	885 (13.7%)	1,053 (15.4%)	1,035 (15.0%)	1,089 (16.0%)	1,035 (15.5%)
Colorectal (C18-C20)	259 (4.2%)	230 (3.7%)	284 (4.4%)	295 (4.3%)	306 (4.4%)	317 (4.6%)	320 (4.8%)
C00-C97 exc C44	6,140 (97.2%)	6,227 (97.3%)	6,449 (95.8%)	6,842 (95.9%)	6,894 (95.4%)	6,823 (95.5%)	6,696 (94.4%)

In the Yorkshire and the Humber SCN, of all cancer radiotherapy episodes (C00-C97 exc C44) amongst females, between 51% (2009/10 and 2011/12) and 54% (2013/14) were delivered as treatment for breast cancer. In this population, radiotherapy episodes for the treatment of lung cancer represented between 12% (2010/11) and 16% (2014/15 and 2015/16) of all radiotherapy episodes for cancer. Colorectal cancers accounted for between 4% (2009/10, 2010/11, 2011/12, 2012/13 and 2013/14) and 5% (2014/15 and 2015/16) of radiotherapy episodes for cancer.

Of all radiotherapy episodes (cancer and non-cancer) delivered to women during this time period, between 94% and 97% were delivered for the treatment of cancer.

Abbreviations

ASR - Age standardised rates

CCG – Clinical Commissioning Groups

CI – Confidence Interval

ICD – International Classification of Disease

IMRT – Intensity Modulated Radiotherapy

NCRAS - National Cancer Registration and Analysis Service

RTDS - Radiotherapy Dataset

SCCI - Standardisation Committee for Care Information

SCN – Strategic Clinical Network