Supplementary File 1Detailed results of actions implemented to improve recruitment to the cohort

Table A: Possible challenges reported by healthcare professionals before recruitment began and strategies identified to overcome them

	Challenges	Strategies proposed to overcome challenges
Identifying young people	Missing eligible young people if transferred to regional	Use the TYA MDT meetings to identify young people
	specialist centres	Co-ordination by a key person such as the Lead Nurse, cancer
	Recruiting across a range of hospital sites	network head, or MDT lead to ensure details of eligible TYAs
	Recruiting across multiple tumour types	are passed to the recruiters
	Engaging consultants: one concern was they would not	Collaborative working with other centres to ensure all young
	think the older TYAs were eligible, a perception being	people are approached, but not on multiple times
	that it was a 'teenager' study	
Approaching/consenting	Concerns about 'getting past' protective and upset	Encouraging the initial approach to be a conversation, and not
young people	parents	be immediately about persuading young people to take part
	Timing of consent, particularly if the patient is undergoing	Work with paediatric nurses to help with recruiting younger TYA
	chemotherapy and was likely to be feeling very unwell	Undertake paediatric consent training
	Lack of experience in working with 'children'	Wait for a sufficient length of time after diagnosis – maybe two
	Being seen or felt to 'pressurise' potentially 'vulnerable	months – before introducing the study, to allow the young
	and fragile' young people to take part	person to become accustomed to the emotional and practical
	Getting treating consultant approval to approach young	impact of the diagnosis
	people	

TYA: Teenage and young adult; MDT: multi-disciplinary team

BRIGHTLIGHT Cohort profile - supplementary file 1

Table B: Suggestions from healthcare professionals for keeping young people engaged throughout the study

Suggestion to keep young people engaged	Action for implementation by BRIGHTLIGHT	
Get the consent process absolutely right: clear, accurate information about	Information developed with young people, site initiation with recruiters to	
the survey, as buy-in from young people will increase the chances they will	ensure they knew about the study and could relay information to young	
continue to participate	people in the best way	
Provide TYA-friendly formats: e.g., ensure the survey could be completed	The survey was administered face-to-face at the first time point;	
on an iPad or iPhone as well as on a home computer	subsequently it could be completed online on any platform	
Use the internet: communicate via social networks like Facebook and	An open Facebook account was prohibited by the sponsor Trust but a	
Twitter	Twitter account was opened	
Ensure language used is aimed at empowering young people	All information was reviewed by the YAP ¹ and had a reading ease of >70%	
Consider incentives: e.g., a medal-based reward system - for each year	The YAP suggested a reward system using wrist bands with a different	
young people remain in the study they move up the medals from Bronze	colour for each wave of participation	
(Year 1) to Silver (Year 2) and Gold (Year 3) and get a correspondingly		
increasingly valuable reward each time.		
Inform participating young people on why the study matters and why their	A website was developed to keep young people updated about the	
continuing involvement is important	programme www.brightlightstudy.com	
Maintain contact throughout	Newsletters	
Disseminate progress and results so they can see the wider scale and	Content of newsletters related to results as far as was possible	
impact of the survey, that is making a difference		
Keep parents on board perhaps with targeted communications	Newsletters sent to all the email addresses provided	
Distribute posters and flyers to treatment centres	Posters and flyers provided	

YAP: Young Advisory Panel; TYA: teenage and young adult

¹YAP are the BRIGHTLIGHT patient user group

Table C:

Suggestions for how the BRIGHTLIGHT Team might facilitate recruitment and actions taken to address these

Suggested change		Action by the BRIGHTLIGHT Team	
1.	Study information for health professionals	An information booklet was developed giving a brief summary of the study. This was sent electronically and as hard copies to all participating Trusts.	
		Regular newsletters were developed and circulated online and as hard copies.	
		Recruitment figures were circulated in a weekly Bulletin by TYAC to their members and were also	
		Tweeted by the BRIGHTLIGHT team (@bR1GhTLiGhT)	
2.	Make the participant information sheets	A summary booklet had been produced by Ipsos MORI ¹ to send as a reminder about the study by their	
	as short as possible	interviewers. An ethics amendment was made in July 2013 to allow this to be used in conjunction with	
		the lengthy information sheet at the time of consent.	
		Video versions of the information sheet were made available on the website (www.	
		http://www.brightlightstudy.com/user-involvement/)	
3.	Investigate any variation in recruitment	Screening logs were requested and analysed to identify reasons for suboptimal recruitment, which was	
	rates between sites	fed back to each Trust with guidance on how to overcome recruitment issues.	
4.	Reduced interval between giving	An amendment was approved by the Ethics Committee to allow consent to be taken within the same	
	information and getting consent ²	24-hour period as information was given.	
5.	Provide BRIGHTLIGHT advertising	Posters, flyers and postcards had been available since the beginning of the study. These were	
	materials	distributed not only by the BRIGHTLIGHT Team but also by CLIC Sargent and Teenage Cancer Trust.	
6.	Keep sending the NWCIS notification ³	There was a temporary pause in the CWT data being sent due to organisational change of NWCIS to	
		Public Health England.	
7.	Extend the window of recruitment for	This was relaxed at the end of 2012 so young people could be recruited at any time in the first four	
	wave 1	months after diagnosis. We were unable to extend recruitment beyond this period because we wanted	
		data to be collected within a specific time window. Young people were not able to enter the study at	
		later time points because subsequent questions were informed by responses in the first survey.	

Table C. cont.

Suggested change		Action by the BRIGHTLIGHT Team	
8.	Reduce the number of times young people need to participate (total study participation involved 5 time points in 3 years)	The sample size calculation was based on participation at three time points (as specified in the protocol) because we were aware young people might opt in and out of participation depending on their current life commitments. We developed top tips for recruiting Trusts, including information about participation. The top tips were prominent on the website, were sent as an information leaflet, and included in the newsletter.	
9.	Enable information sheets to be posted to young people	An ethics amendment was approved to enable information sheets and consent forms to be posted and/or returned through the mail.	
10.	Make presentations at local network and Trust meetings	Members of the BRIGHTLIGHT team presented recruitment updates at every available national meeting. Trusts were also informed that the team would come to any local meetings on request. Site specific slides to present at MDTs were provided to all PTCs.	
11.	First survey to be online or telephone rather than face-2-face	This request could not be accommodated. A single mode of administration had been developed for the first survey. ⁴	

CWT: Cancer Wait Time database; MDT: multi-disciplinary team; NWCIS: North West Cancer Intelligence Service (after the move to Public Health England became known as the North West Knowledge Intelligence Team). PTC: Principal Treatment Centre; TYAC: Teenagers and Young Adults with Cancer (the organisation representing healthcare professionals working in this area).

¹ Ipsos MORI were the commercial company administering the BRIGHTLIGHT Survey; ² Ethics guidance in the United Kingdom recommends a minimum of 24 hour between providing information and gaining consent to give participants time to process information; ³ NWCIS sent a monthly email to a dedicated person in each recruiting trust with a list of potentially eligible patients identified through the Cancer Waits dataset as newly starting treatment; ⁴Subsequent waves had a choice of online or telephone interviewer administered survey; the online option has only been selected by a minority of young people