

Workforce Mobility and Skills in the UK Construction Sector 2015

Yorkshire and the Humber Report





Study prepared by BMG Research from a commission by CITB.

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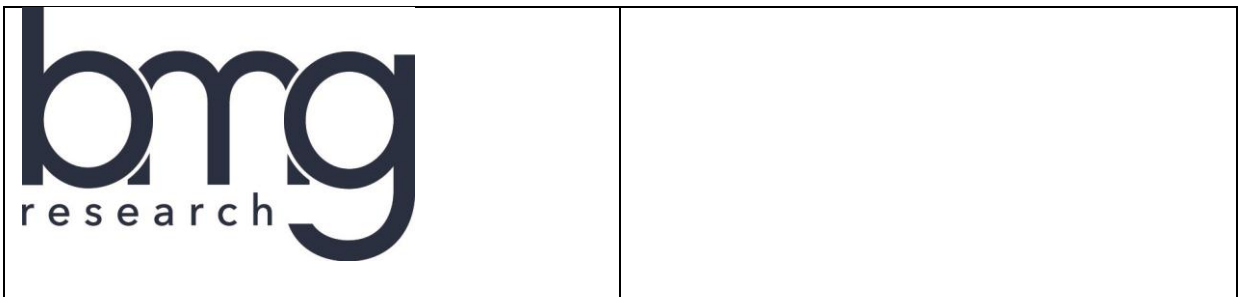




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Executive summary

Introduction

- CITB commissioned BMG Research to undertake the 2015 Construction Workforce Mobility Survey, which builds on previous surveys conducted in 2012, 2007 and 2005. Face to face interviews were conducted with 4771 construction workers undertaking manual roles on sites across the UK and 369 interviews were conducted with construction workers in the Yorkshire and the Humber region.

Profile of the sample

- More than two fifths of construction workers interviewed in Yorkshire and the Humber are aged 35 and under (45%), which is a higher proportion than compared with the UK population as a whole (37%), but slightly lower than the UK average in the survey (47%). Just 2% of construction workers are aged 60 or over.
- Overall 2% of the Yorkshire and the Humber construction workforce is of BME ethnic origin, compared with a higher incidence of 9% in the Yorkshire and the Humber population as a whole. The UK average in the survey is 4%, increasing to 15% in London.
- By trade/occupation, the highest proportion of Yorkshire and the Humber sample is accounted for by bricklayers (23%), followed by labourers/general operatives (16%). Compared with 2012 the proportion that are labourers/general operatives has declined (from 24%) and bricklayers account for a higher proportion of construction workers (increasing from 14%).
- A quarter of all those interviewed in Yorkshire and the Humber perform a supervisory or management role on their site (24%); a similar proportion as nationally (25%).
- Just over half of construction workers interviewed for the survey are employed directly by a company (56%), which represents a decrease compared with 2012 (65%). The proportion of workers self-employed has increased since 2012 (from 30% to 41%), while the proportion of workers working for an agency has remained fairly stable (2% compared to 5% 2012).
- Just under a quarter of all construction workers in Yorkshire and the Humber (23%) are employed on a temporary, rather than permanent basis. This is the same proportion as the UK average.
- Construction workers in Yorkshire and the Humber work an average of 42 hours per week, which includes 1 in 7 that work more than 50 hours per week (15%). Yorkshire and the Humber construction workers are significantly less likely to work more than 50 hours per week than the UK average (23%).



Work history

Time in the sector

- More than a third of all Yorkshire and the Humber construction workers have worked in the industry for at least 20 years (36%), which compares with a lower UK average (31%). Nearly two thirds have done so for 10+ years (63%).
- Three quarters of construction workers in Yorkshire and the Humber have only ever worked within the construction industry (75%; compared to 70% across the UK). Nearly three fifths of Yorkshire and the Humber construction workers (57%) have worked pretty much continuously, without spells out of work and this is a similar proportion to the UK average (55%).

Previous non-construction jobs

- Amongst the 1 in 7 construction workers in Yorkshire and the Humber that worked in another sector (14% of all respondents) before starting work in construction, the sectors worked in beforehand are most likely to be either the wholesale/retail sector (24%) or manufacturing (20%).
- In terms of the job roles that construction workers previously did in other sectors, the highest proportion worked in skilled trades (31%).

Occupational switching within the construction sector

- A third of all construction workers in Yorkshire and the Humber have worked in more than one construction trade or occupation whilst working in the construction industry (33%). The proportion that has worked in more than one role is similar for both those who are directly employed (31%) and those who are self-employed (34%).
- Workers are most likely to have previously worked as a labourer/general operative (27%); while about one in five have worked as a carpenter/joiner (19%) and one in six as a bricklayer (17%).
- Thinking about their future plans in the construction sector, more than 8 in 10 construction workers in Yorkshire and the Humber would like to carry on in the same trade or occupation (86%), while 1 in 20 would like to change their trade/occupation (4%) and a further 1 in 20 would like to leave the construction altogether (4%). The proportion that wants to carry on as they are is higher in Yorkshire and the Humber than the UK average (79%).
- The most popular occupation that construction workers in Yorkshire and the Humber would like to change to is site manager (57% of those who would like to change).
- In nearly three quarters of cases where Yorkshire and the Humber construction workers would like to change trade/occupation they believe they will require further training or qualifications in order to do so (71%). This is a lower proportion than the UK average (77%).
- The main reasons for wanting to change trade/occupation is the belief that workers will be better paid (71%), followed by the job being more interesting (50%) or workers using their skills better (50%).



Qualifications and skills

Skills cards/certificates

- The vast majority of all construction workers in Yorkshire and the Humber, as across the UK as a whole, hold some form of construction skill card or certificate (97% cf. 97% in 2012 and a UK average of 96%).
- Younger workers (94% of 16-19 year olds) remain less likely to hold a skill card/certificate.
- In terms of the type of skill card/certificate held, CSCS remains the most commonly held overall (91% in Yorkshire and the Humber; 86% across the UK).
- Card colours vary by age; younger workers are more likely to hold Green cards (40% of 16 to 19 year olds with a CSCS card) or Red Trainee cards (27%), while older workers are more likely to hold Blue cards (39% of 25 to 44 year olds and 44% of 45+ year olds).

Construction-specific qualifications

- Seven in ten construction workers in Yorkshire and the Humber say they had no formal qualifications when they first started working in the construction industry (70%). This compares with a higher UK average (75%).
- By current trade/occupation the proportion of workers that started their construction careers with no formal qualifications is highest amongst dryliners (100%), roofers (100%), labourers/general operatives (93%), banksmen/bankspersons (86%) and scaffolders (86%), whilst electricians (40%), site managers (52%) and carpenters/joiners (52%) are least likely to have started with no formal qualifications.
- Compared with 3 in 10 construction workers in Yorkshire and the Humber that did have qualifications when they first started working in construction, two thirds of all construction workers in Yorkshire and the Humber reported holding some sort of construction related qualification at the time of interview (68% cf. 70% in 2012 and a UK average of 63%).
- The proportion of workers that currently hold any qualifications is lower than average amongst workers who have worked in construction for less than a year (29%) and workers employed by an agency (37%).
- Within Yorkshire and the Humber, more than three fifths of the youngest age group hold qualifications (64%), which is (statistically) on a par with other age groups.
- Site managers (92%) are most likely to hold qualifications, followed by carpenters (90%) and plumbers (90%). Trades less likely to hold formal qualifications include those working as a dryliner (none) and as a labourer/general operative (37%).
- The qualifications most likely to be held by construction workers in Yorkshire and the Humber are NVQ/SVQ qualifications (71% of those with qualifications), which is higher than the proportion reported in 2012 (67%) and also higher than the UK average (66%). One in six construction workers in the region with qualifications hold City & Guilds qualifications (18%; compared to 27% in 2012 and 20% across the UK IN 2015). One in ten construction workers with



qualifications now hold an apprenticeship (10%), which is a significant increase compared with 2012 when just 1% did and just slightly lower than across the UK (13%).

Basic skill needs

- One in ten construction workers in Yorkshire and the Humber believe they would benefit from some form of training in basic skills (10%), compared with a similar proportion in 2012 (11%). The proportion in Yorkshire and the Humber is lower than the UK average (14%).
- In terms of the type of training required there is an almost even split across reading, writing, speaking English and maths.

Current study for qualifications

- One in nine construction workers in Yorkshire and the Humber are currently working towards any formal qualifications relevant to the construction industry (11% cf. 10% in 2012 and a UK average of 12%). This proportion is significantly higher amongst 16-19 year olds (44%).
- Amongst workers with no qualifications 1 in 8 are currently working towards a qualification (12%).
- In aggregate, over half of those who are working towards qualifications are working towards qualifications equivalent to Level 2 (42%) or 3 (19%).

Supervisory/managerial training

- Of those not currently performing a supervisory/management role three fifths are certain that they would not like to do so (59%; 53% across the UK), while 1 in 5 would like to do so (21%; 26% across the UK) and a fifth are unsure (20%; 21% across the UK).
- A quarter of all construction workers in Yorkshire and the Humber (25%) and nearly three quarters of those who have had some form of supervisory or management responsibilities (74%) have received any formal training designed to improve managerial or supervisory knowledge or skills.
- SMTS (49%) is the type of training most likely to have been received, followed by in-house training (26%) and a Site Safety Supervisors Course (21%).

Overall skill levels

- The vast majority of construction workers in Yorkshire and the Humber (99%) have a construction-related qualification and/or skills card/certificate (or were working towards a qualification at the point of interview): only 1% of those interviewed could not say that they were at least working towards obtaining a CSCS card (or similar) or construction qualification. Just over a quarter of Yorkshire and the Humber construction workers (27%) hold a skill card/certificate, but have no other construction qualification. This compares with a UK average of 30%.
- Overall, while 1 in 3 construction workers in Yorkshire and the Humber have no qualifications (32% cf. 30% in 2012 and a 2015 UK average of 37%) the majority have qualifications equivalent to Level 2 or above (66% cf. 66% in 2012 and 58% across the UK in 2015). A third of all Yorkshire



and the Humber construction workers (34% cf. 30% in 2012) hold qualifications equivalent to Level 3 or above.

Geographic mobility

Work history in the region/nation

- The fact that they grew up there/have always lived there and other family reasons are the most likely reasons why construction workers are based within Yorkshire and the Humber (65%) and this proportion is higher than in 2012 (56%), as well as being higher than the 2015 UK average (61%). The second main reason for their location is due to their employer sending them there (in 32% of cases).
- In 2015, a higher proportion of construction workers in Yorkshire and the Humber compared with 2012 have worked within the region for their entire construction career (39% cf. 36% in 2012) and the majority of construction workers in the region have remained in Yorkshire and the Humber for all or most of their career (80%). This compares with a UK average of 80%.
- Thus, in the majority of cases, the last site workers were based at was also in Yorkshire and the Humber (82%).

Worker origins

- Overall most construction workers in Yorkshire and the Humber were living in the region when they started their construction career (90%). Workers currently based in Yorkshire and the Humber are amongst the most likely to have remained in the same region/nation in which they were based for their first construction job.
- Just over 8 in 10 construction workers in Yorkshire and the Humber (82%) achieved their first first qualification/training in the region. Compared with other regions/nations, they are of 'average' mobility.

Travel to site

- Around half of construction workers in Yorkshire and the Humber have travelled at least 50 miles from their permanent/current home to work in the last 12 months (53%). Across the regions/nations, Yorkshire and the Humber construction workers are among those most likely to have travelled more than 100 miles from their permanent home to work in the last 12 months (26%).
- Overall just 4% of construction workers in Yorkshire and the Humber (3% in 2012) are currently staying in temporary accommodation while working at their site. This proportion is lower than the UK average (6%).
- The average (mean) distance from workers' current residence (taking into account temporary residences) to their current site was 19 miles (22 miles is the UK average) which is slightly less than in 2012 when workers travelled an average (mean) of 22 miles.



Site duration and change

- More than half the temporary workers in Yorkshire and the Humber (54%) do not know how much longer they can expect to be working for their current company/agency. This compares with a UK average of 43%.
- When all respondents, whether temporary or permanent were asked to indicate how long in total they expect to work at that specific site during this phase more than a quarter expect to stay on that site for a year or longer (29% cf. UK average of 26%), which is a significant increase compared with 2012 (13%), suggesting some improvement with regard to stability. However, a similar proportion (30% cf. 12% in 2012) of workers do not know how much longer they can expect to be on site, indicating there is still a considerable degree of uncertainty.
- More than three quarters of all Yorkshire and the Humber construction workers are confident that when they finish their current job their next job will allow them to travel to work from their permanent home on a daily basis (78% cf. 81% in 2012). Most of the remainder say it depends on where they are sent/where the work is (15%); with 5% saying they do not know and 3% saying they are sure that this will not be the case (3%). Construction workers in Yorkshire and the Humber that do not expect to be able to commute daily to their next job are amongst those least likely to expect to remain in the region for their next job (50%).

Sub-sector and sector mobility

Sub-sector mobility

- Compared with 2012 there has been a significant increase in the proportion of construction workers that have been working on new housing in Yorkshire and the Humber, up from 61% to 85%. This echoes the national trend. For all other types of projects the proportion of construction workers that have worked on them has fallen since 2012.
- Overall more than half of all construction workers have only worked on one project type (55%), compared with a fifth in 2012 (19%), which again suggests a pattern of increased stability in the sector.
- The number of project types worked on varies significantly by region/nation. Yorkshire and the Humber is one of those most likely to report its' construction workers working on one project type (55%). Only Wales (63%) and the West Midlands (58%) have higher proportions.

Leaving the sector

- In order to assess the potential outflow from the sector in the next five years (led by worker preference), all workers were asked how likely it is that in 5 years time they will still want to be working in construction. Amongst construction workers of all ages in Yorkshire and the Humber just under half say they definitely will be (45%); a further two fifths think it is very or quite likely (40%); 1% consider it unlikely; just 2% say they definitely won't be and a further 3% hope to be retired by then, while 5% don't know.



Introduction

Aims and objectives

Following on from previous surveys conducted for CITB in 2012, 2007 and 2005, BMG Research was commissioned to undertake a UK-wide mobility survey of construction workers in 2015.

The aim of this survey was to provide a reliable evidence base of the nature of the construction workforce in the UK concerning its qualification levels and the extent of occupational and geographic mobility. The survey findings have the potential to provide a common currency for skills planning, particularly in respect of profiling the existing workforce and offering insight into where gaps might emerge as a result of occupational/geographic movement.

The specific objectives of this research project were to:

- Examine the qualification levels of the construction industry workforce in the UK and analyse what part qualifications have played in career progression.
- Identify, quantify and analyse the extent to which the workforce in each region/nation comprises workers originating or living in other parts of the UK (or further afield) and mobility and travel to work.
- Examine the occupations and qualification levels of the mobile workforce / 'imported' workforce.
- Examine the scale and extent of occupational mobility within the construction workforce to see how workers in construction occupations change or keep their occupations over time, both within construction and as they move out of the industry and related to this the extent to which managers and supervisors have received any training specifically to enhance their managerial skills.
- Contribute to developing better methodologies for understanding and modelling the labour market impacts of workforce mobility.

The focus of the survey is on site-based manual occupations and therefore excluded associated clerical and sales occupations and professionals such as architects, surveyors and office-based managers.

Method

The 2015 Construction Workforce Mobility Survey followed a similar methodology to that used in the last wave of this research (2012). Overall, 4771 interviews with construction workers in manual roles across the UK were required, split between the 12 standard regions/nations. In total, 369 interviews were conducted in the Yorkshire and the Humber.



Sampling

This sub-section provides an overview of the sampling methodology employed for the 2015 Construction Workforce Mobility Survey: further detail is provided in the technical report that accompanies this analytical report.

Although this survey focuses on the mobility of individual workers, the sampling strategy was to select construction projects (generally referred to in this report as ‘sites’) with sufficient workers on-site each day to enable a minimum of 10 interviews. This site-based approach was employed to ensure cost-effective face-to-face interviewing, comparable to that used in the 2012 survey.

As in previous surveys, the commercially produced ‘Glenigan’ database of construction projects was used as the sampling frame.

Project eligibility criteria:

- Value: £250,000+
- Contact stage: ‘start on site’; ‘contract awarded’ or ‘bills called’ only
- Site start date/end date: Active throughout planned fieldwork period.

Where sites met these criteria they were deemed eligible to participate, a target of 30 sites per region/nation was set in order to achieve a sufficient number of interviews in each. However, in some instances this target was not achievable due to site refusals to take part, some sites not meeting the eligibility criteria on further screening and lower numbers of workers than expected ‘on-site’.

Telephone-based site recruitment

BMG Research’s telephone research team recruited sites that were eligible and willing to support the research by allowing an interviewer to visit the site to interview at least 10 workers in manual trades/roles. A recruitment questionnaire (reproduced in the technical report) was used to check eligibility of the site and to collect important operational information that would be required by the interviewer visiting the site. The majority of recruitment was undertaken with individual site managers, but in a number of cases the recruiters also spoke with local, regional or national managers (often dependent upon the size of the company). At this stage recruiters booked a convenient time and appointment date for an interviewer to visit the site and a confirmation email was sent to the relevant individual. Confirmation calls were made ahead of site visits to ensure recall of the visit.

Site visits

In the majority of cases, interviewers were allocated space to conduct interviews in the offices or canteen area. However, on some sites interviewers worked ‘on-the-hoof’ in active parts of the site (with or without a ‘chaperone’). All interviewers had completed the CSCS Health & Safety Test for Operatives immediately prior to fieldwork and had a PPE (Personal Protective Equipment) kit to comply with site requirements.



Interviews were completed using Computer Assisted Personal Interviewing (CAPI) techniques as well as self completion techniques.

Further detail on the interviewing process is provided in the technical report.

The following table shows the number of interviews achieved in each region/nation. In order to obtain strong bases for regional/national analysis, a quota of 400 completed questionnaires per region/nation was set, with an allowance of +/- 50 interviews per region/nation. However, at the analysis stage weighting factors were applied to survey data to ensure that for national analysis, regions/nations were represented in their correct proportions according to the size of the construction workforce as reported in the Annual Population Survey via Nomis for economically active adults aged 16+ in January-December 2014.

Figure 1: Interviews and weights by region/nation

	Interviews	Weighted profile (%)
North East	427	4.2
North West	435	10.3
Yorkshire and the Humber	369	8.2
East Midlands	410	6.6
West Midlands	352	8.0
East of England	366	10.5
London	452	12.8
South East	439	15.1
South West	494	8.7
Scotland	463	8.0
Wales	290	4.7
Northern Ireland	274	2.9
UK	4771	100

*Source Annual Population Survey via Nomis: Economically Active adults aged 16+ Jan-Dec14

Further information on sampling and the sites included can be found in the technical report.

Notes on reading this report

A number of conventions have been employed within this report to assist with the concise presentation of numeric data and with brevity within text.

The base for statistics is described under each figure (table or graph) heading, with the base counts (unweighted) on dedicated rows of tables. Where tables include statistics on many different bases, the unweighted bases for 2015 data are shown in brackets.

All tables and graphs present percentages (unless otherwise stated) calculated upon the bases shown. Where 'mean' averages are shown, these are calculated upon the stated base, minus any responses 'not stated' or choosing a 'don't know/not applicable' response.

Tables and graphs are all labelled with a simple sequential 'Figure Number' and title. All tables and graphs have clearly labelled base sizes (for all sub-groups) and textual definitions of bases.



The total of percentages shown in a table may vary slightly from 100% due to rounding to the nearest percentage point.

Analysis by region/nation should be read with caution, particularly those on bases further restricted by the routing out of some respondents. Unweighted bases are shown throughout for guidance.

The abbreviation 'YH' is used in the tables to represent Yorkshire and the Humber.

Profile of construction site workers

This first section of the report provides a profile of construction site workers interviewed in the 2015 survey and where relevant makes comparisons with 2012. The section examines:-

- Personal demographics, including age and ethnicity;
- Current occupation;
- Employment status i.e. whether employed directly, self-employed or by an agency;
- Employment contract basis i.e. whether working on a temporary or permanent basis.

The section then moves on to examine career histories, including:

- The number of years respondents have worked in the construction industry;
- Pre-construction employment histories;
- Occupational switching and progression within the construction sector.

Personal demographics

Figures 2 and 3 detail the demographic profile (age and ethnicity) of the 2015 sample of construction workers, compared with the 2012 survey and official statistics from the Annual Population Survey.

The youngest age group (16 to 24 year olds) account for 1 in 7 construction workers (15%), slightly less than in the previous survey in 2012 (20%). The proportion of workers aged 25 to 34 years is slightly higher than that reported in 2012 (30%, compared with 26%); the proportions of workers aged 35 to 55 are similar to those reported in 2012 (45%, compared with 44%) as are the proportions of 55 and over (9%, compared with 11%). Workers aged 60 and over account for just 2% of construction workers in 2015.

Compared with the UK workforce overall a slightly lower proportion of construction workers are aged under 35 years (45% in Yorkshire and the Humber; 47% across the UK cf. 37% of economically active adults across the UK).



Figure 2: Age profile of the sample compared with 2012 & the Annual Population Survey

Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %		UK Workforce* %
16 to 19 years	4	5	6	5	16 to 19 years	4
20 to 24 years	11	15	19	13	20 to 24 years	10
25 to 34 years	30	26	19	29	25 to 34 years	23
35 to 44 years	22	23	27	22	35 to 49 years	34
45 to 54 years	23	21	17	20	50 to 64 years	26
55 to 59 years	7	11	11	6		
60+ years	2			4	65+ years	3
<i>Unweighted bases</i>	369	399	235	4771		32,480,800

*Source Annual Population Survey via Nomis: Economically Active adults aged 16+ Jan-Dec14

In terms of ethnicity, the vast majority of construction workers in Yorkshire and the Humber are of White origins (97%; 98% as in 2012). Within this proportion 1% describe themselves as White Irish in 2015 and the same proportion describe themselves as 'White Other' (1%).

Workers of Black (1%) and Asian (1%) ethnic origin (BME) make up similar proportions of the sample as in 2012.

Figure 3: Ethnic profile of the sample compared with 2012 and UK Population

Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %	UK Population aged 16-64* %
White	97	98	95	94	87
Black	1	1	1	2	3
Asian	1	0	3	1	5
Other/Not stated	2	2	<0.5	3	5
<i>Unweighted bases</i>	369	399	235	4771	40,626,700

*Source Annual population Survey via Nomis: UK population aged 16-64 Jan-Dec14

Figure 4 summarises the proportion of construction workers of non-white (BME) origin overall and within each region/nation and compares the profile with construction workers from the 2012 survey and the population (aged 16-64) of each region/nation as a whole.

Overall 2% of construction workers in the Yorkshire and the Humber sample are BME, compared with a higher incidence of 9% of the Yorkshire and the Humber population.

Yorkshire and the Humber has a lower proportion of construction workers that are of BME origin than the UK sample average (4%).



Figure 4: Proportion of construction workers of BME (Non-White) origin

Base: All respondents

	UK BME 2015 %	UK BME 2012 %	UK BME 2007 %	Region/nation's non-white (BME) population aged 16- 64* %
UK	4	4	3	10
North East	<0.5	<0.5	2	2
North West	1	2	3	8
Yorkshire and the Humber	2	1	10	9
East Midlands	2	2	<0.5	8
West Midlands	5	9	1	14
East of England	3	4	0	9
London	15	12	0	36
South East	8	3	3	7
South West	2	1	2	3
Wales	2	<0.5	1	3
Scotland	2	1	7	2
Northern Ireland	1	<0.5	4	1
<i>Unweighted bases</i>	<i>4771</i>	<i>4933</i>	<i>3877</i>	<i>32,480,800</i>

*Source Annual population Survey via Nomis: UK Population aged 16-64 by ethnicity Jan-Dec14

Overall most Yorkshire and the Humber construction workers have lived in the UK all of their life (94%). This proportion is significantly higher than the UK average (84%).

Amongst all Yorkshire and the Humber construction workers 1% indicate that they have a long term illness, health problem or disability which limits the type of work they can do. The most common illness/disability amongst these workers is to do with reduced capacity (i.e. inability to lift, carry or otherwise move everyday objects, debilitating pain and lack of strength, breath, energy or stamina, asthma, angina or diabetes (60%; caution small base). Across the UK, 3% of construction workers indicate they have a long term illness, health problem or disability and the most common condition is a reduced physical capacity (39%).

Occupational profile

Current job role

All workers were asked what their current trade or occupation is at their site. Respondents in a supervisory role were asked to detail their trade/occupation background, as their supervisory roles would be asked about later in the survey. Figure 5 summarises all the trades/occupations mentioned by at least 1% of the sample and compares this with the occupational profile from the 2012 survey.

As in the 2012 survey, bricklayers and labourers/general operatives are the top two occupations amongst construction workers in Yorkshire and the Humber (reflecting a similar profile across the UK). Within Yorkshire and the Humber, there has been an increase in the proportion that are bricklayers (from 14% in 2012 to 23% in 2015) and site managers (from none to 9%) and a decline in the proportion that are labourers/general operatives (from 24%



in 2012 to 16% in 2015) and carpenters/joiners (from 14% to 7%). The occupational profile in Yorkshire and the Humber is similar to that of the UK as a whole.

Figure 5: Occupational profile

Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
Bricklayer	23	14	20	15
Labourer/General operative	16	24	20	18
Plant/machine operative (e.g. Fork lift/JCB)	9	4	13	7
Site manager	9	0	0	8
Carpenter/joiner	7	14	18	11
Ground worker	6	0	0	4
Scaffolder	5	2	2	4
Painter/decorator	4	4	1	3
Plumber	3	5	6	5
Technical e.g. surveyor, maintenance technician	3	4	0	2
Plasterer	2	3	4	2
Banksman/banksperson	2	1		2
Roofer	2	5	4	2
Electrician	1	9	6	5
Floorer	1	<0.5	0	1
Supervisor/foreman	1	1	6	1
Ceiling fixer	1	1	With plasterer	1
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>235</i>	<i>4771</i>

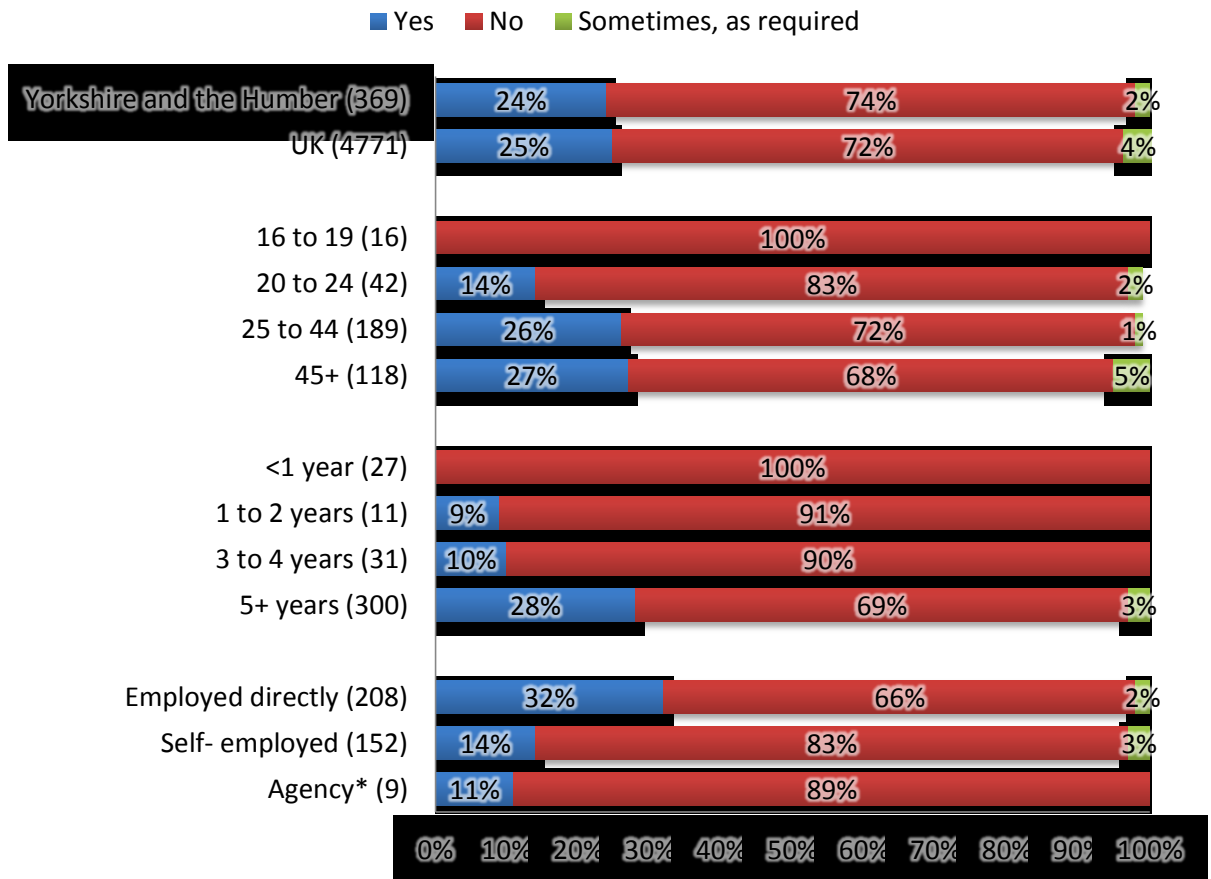
Supervisory roles

A quarter of all construction workers in Yorkshire and the Humber interviewed for the 2015 survey say they perform a supervisory or management role on their site (24%). This is a similar proportion as nationally (25%).

The incidence of workers in a supervisory role is considerably lower amongst workers aged under 25 and amongst those that have worked in the construction industry for less than 5 years, as one would expect. Workers who are directly employed by a company (32%) are significantly more likely than those that are self-employed (14%) or work for an agency (11%) to perform a supervisory or management role. These differences are summarised in the following figure.



Figure 6: Whether respondents perform a supervisory or management role
 Base: All respondents *caution: small sample base



Unweighted bases in parentheses

Employment status

More than half of construction workers in this year's Yorkshire and the Humber sample are directly employed by a company (56%) and this has decreased compared with 2012 (65%).

The next highest proportion of construction workers within Yorkshire and the Humber is self-employed (41%), which is higher than in 2012 (30%).

Just 2% of the sample is accounted for by construction workers who are working for an employment agency, although the proportion is higher amongst those who have only been working in the construction industry for less than 1 year (7%). This is summarised in the following table.



Figure 7: Employment status

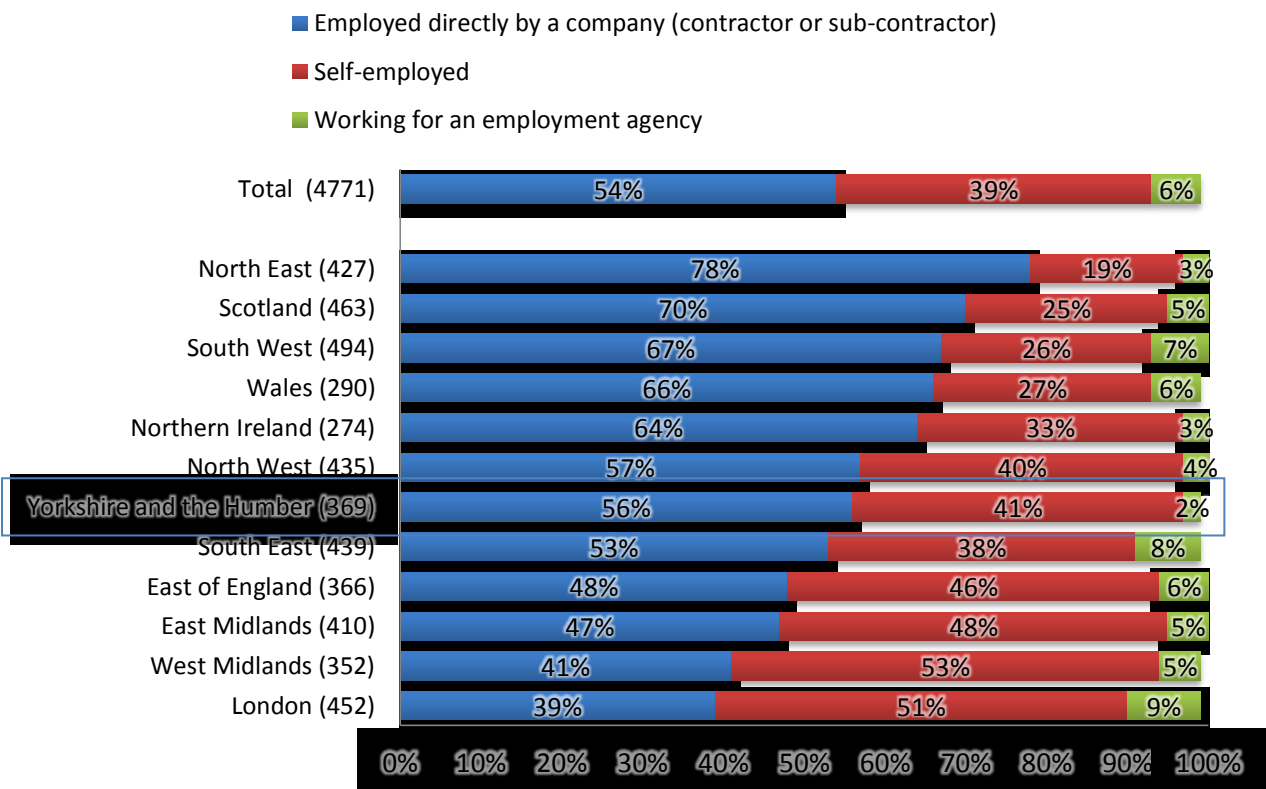
Base: All respondents

	YH 2015	YH 2012	UK 2015	Years working in construction			
	%	%	%	<1	1-2	3-4	5+
Employed directly by a company (contractor or sub-contractor)	56	65	54	63	36	61	56
Self-employed	41	30	39	30	64	35	42
Working for an employment agency	2	5	6	7	0	3	2
Working on some other basis	0	0	<0.5	0	0	0	0
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>4771</i>	<i>27</i>	<i>11</i>	<i>31</i>	<i>300</i>

The proportion employed directly is slightly higher in Yorkshire and the Humber than the UK average (56%, compared with 54%) and this is also true with regard to the proportion that are self-employed (41%, compared with 39%).

Figure 8: Employment status by region/nation

Base: All respondents



Unweighted bases in parentheses



Employment contract basis

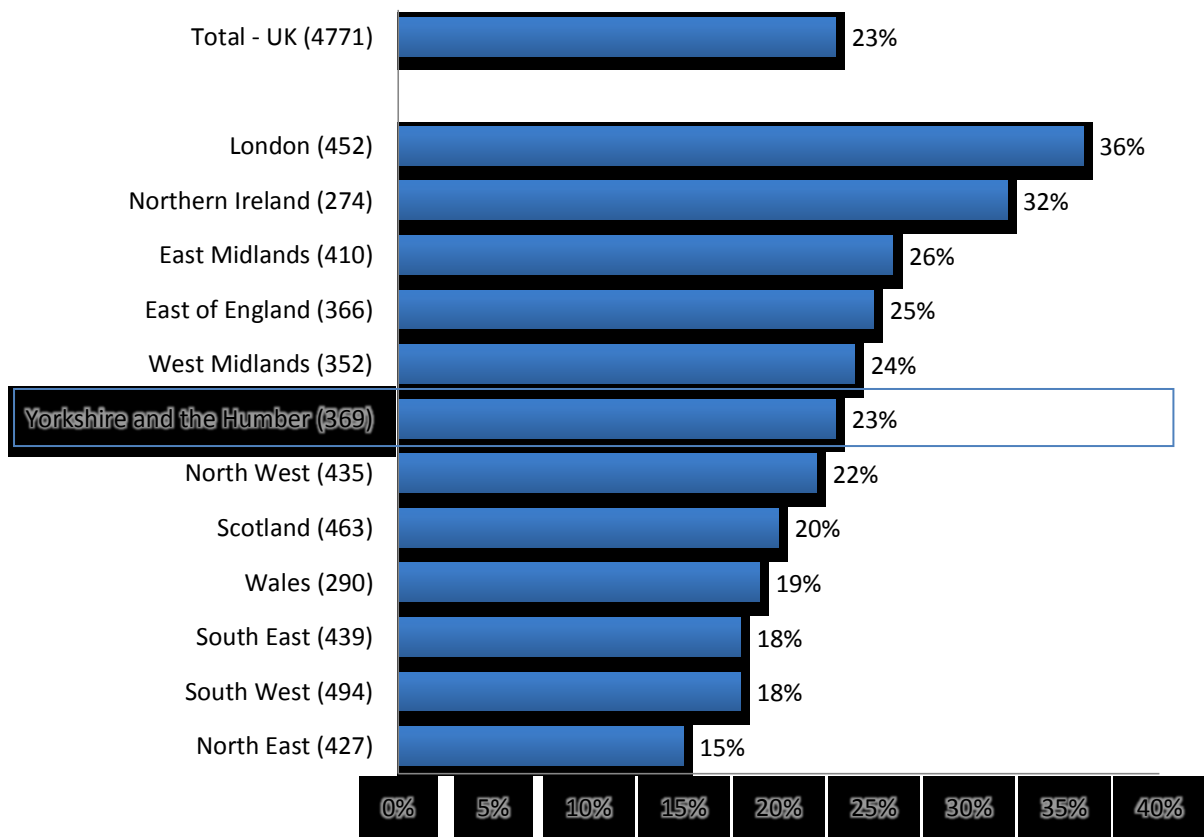
Overall, just under a quarter of Yorkshire and the Humber construction workers (23%) are employed on a temporary, rather than permanent basis (75%). The remainder believed they had an 'other' type of contract arrangement (2%), refused (<0.5%), or did not know (<0.5%).

Amongst workers who are employed by an agency the proportion on temporary contracts is significantly higher, as one would expect (56%), as it is amongst those who are self-employed (39%) compared to those employed directly (10%).

Alongside the West Midlands and the North West, Yorkshire and the Humber is close to the UK average with regard to the profile of its construction workforce in terms of employment contracts held, as the following figure illustrates.

Figure 9: Proportion of workers employed on a temporary basis (including fixed-term contracts)

Base: All respondents



Unweighted bases in parentheses

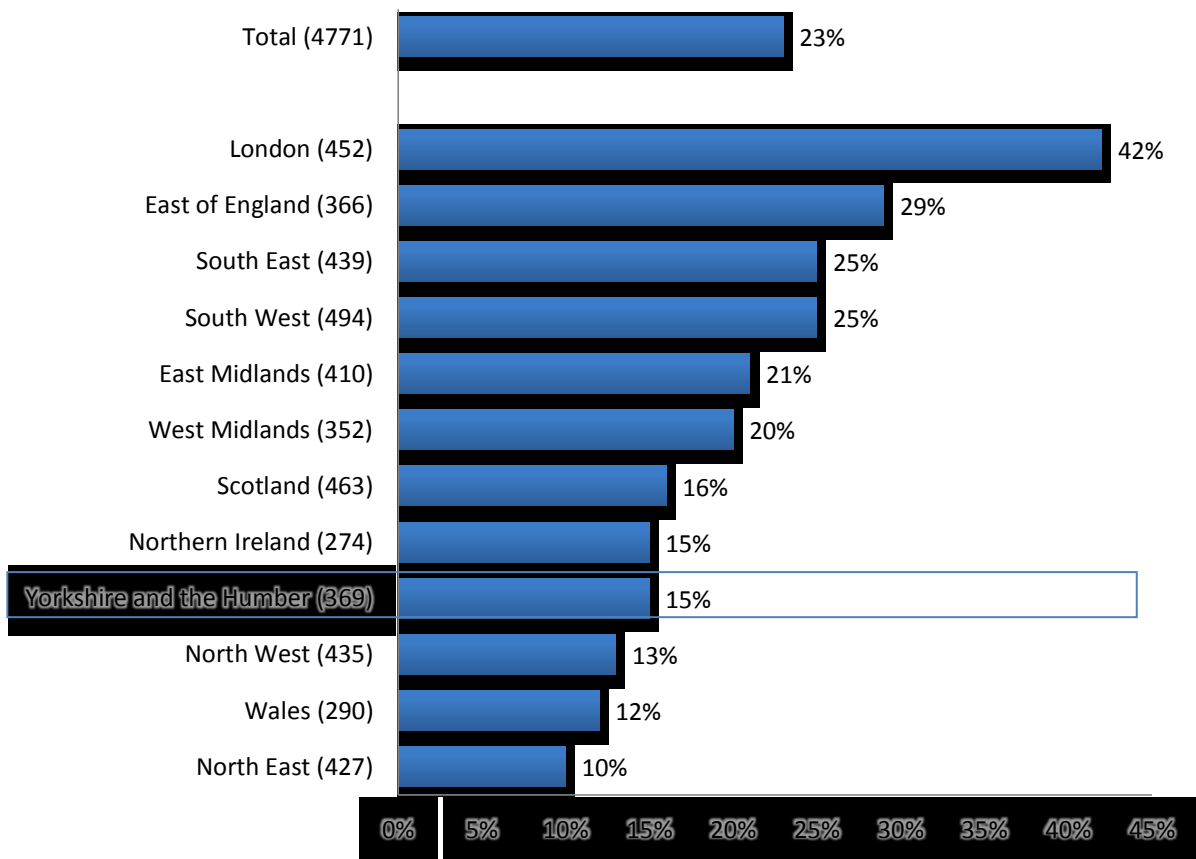


Hours worked

On average construction workers in Yorkshire and the Humber report that they typically work 42 hours per week, with 67% that tend to work between 40 and 49 hours per week and one in seven that work more than 50 hours (15%).

The proportion that works more than 50 hours per week is significantly lower than the UK average amongst Yorkshire and the Humber construction workers.

Figure 10: Proportion of workers that typically work 50 or more hours per week
Base: All respondents



Unweighted bases in parentheses

Work histories

Time in the sector

Just over a third of Yorkshire and the Humber construction workers have worked in the construction industry for over 20 years (36%) and almost two thirds have worked in the industry for at least 10 years (63%).

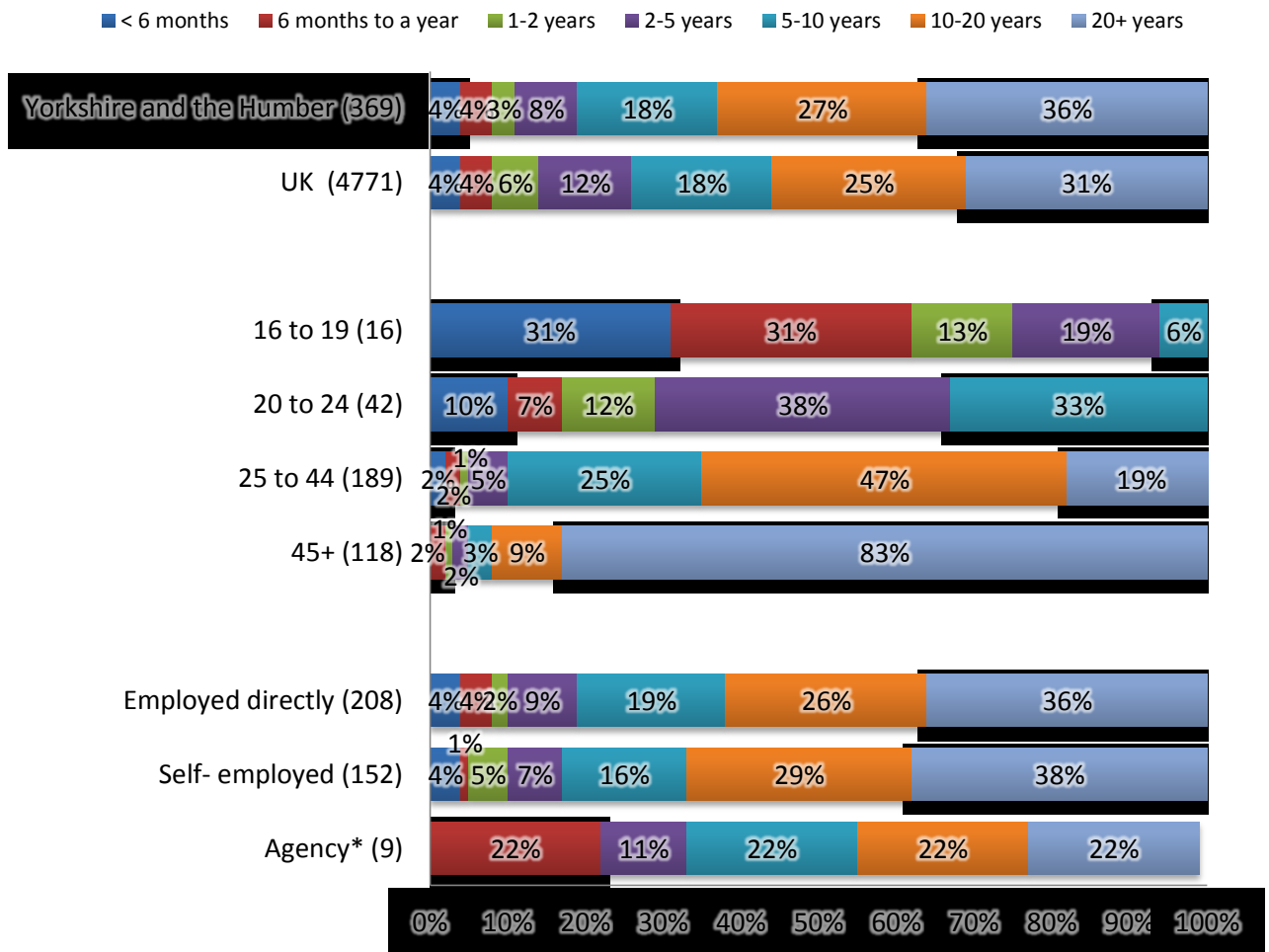
Construction workers in Yorkshire and the Humber are more likely than the UK average to have worked in industry for over 20 years (36% compares to 31% across the UK).



As one would expect the length of experience in the industry increases with age to more than four fifths of workers aged 45 and over in Yorkshire and the Humber that have more than 20 years experience of working in the construction sector (83%).

Figure 11: Years spent working in the construction sector

Base: All respondents Unweighted bases in parentheses *caution: small sample base



Unweighted bases in parentheses

Compared with 2012, Figure 12 shows that in 2015 workers are more likely to have worked in the construction sector for slightly longer; 36% have 20+ years experience, compared with 33% in 2012, whilst 37% have 10 or fewer years experience, compared with 40% in 2012.



Figure 12: Years spent working in the construction sector (cumulative)

Base: All respondents

	YH 2015	YH 2012	YH 2007	UK 2015
	%	%	%	%
Less than 6 months	4	1	2	4
Up to a year	8	2	6	8
Up to 2 years	11	3	14	14
Up to 5 years	19	15	32	26
Up to 10 years	37	40	49	44
Up to 20 years	64	66	69	69
More than 20 years	36	33	28	31
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>235</i>	<i>4771</i>

Pre-construction employment histories

Three quarters of workers in Yorkshire and the Humber have only ever worked in the construction industry (75% cf. 70% across the UK and 77% within Yorkshire and the Humber in 2012). This includes just under three fifths who have worked in construction pretty much continuously (57%); 11% for whom this is their first job; and a further 7% that have only ever worked in the construction sector, but have had spells out of work.

The likelihood that workers have worked continuously in construction increases with age to more than two thirds of workers aged 45 and over (69%). Whilst, as one would expect, younger workers are more likely to say that this is their first job and that they have not worked in any other industry (38% of 16 to 19 year olds).



Figure 13: Statement that best describes respondents' work histories since leaving full time education and starting their first job in construction.

All respondents

	YH 2015 %	UK 2015 %	Age %			
			16 to 19	20 to 24	25 to 44	45+
I've worked in construction pretty much continuously (and not worked in any other industry)	57	55	38	43	55	69
I have only worked in construction jobs but have had spells of being out of work	7	6	13	7	7	5
My first job was in construction but I've also worked in other sorts of jobs in one or more other industries	8	8	0	5	7	12
My first job after full time education was NOT in construction. I moved into the industry after working in other sort(s) of jobs	11	19	0	14	12	11
This is my first job. I haven't worked in any other industry.	11	9	38	19	13	0
This is my first job in construction but I have worked in other sorts of jobs in one or more other industries	3	3	0	7	2	3
Prefer not to say	3	2	13	5	4	1
<i>Unweighted bases</i>	<i>369</i>	<i>4771</i>	<i>16</i>	<i>42</i>	<i>189</i>	<i>118</i>

Overall 1 in 9 construction workers in Yorkshire and the Humber say that their first job after full time education was NOT in construction and that they moved into the industry after working in other sorts of jobs/sectors (11%). This compares with 1 in 6 workers in 2012 (17%).

Those who had worked in other sectors before starting their construction careers (14% of all respondents) were asked to give details of what they were doing immediately before they started working in construction. In nearly a quarter of cases respondents had previously worked in the wholesale/retail sector (24%) while one in five had worked in manufacturing (20%). One in ten construction workers who worked in another sector before working in construction previously worked in transportation and storage (10%).

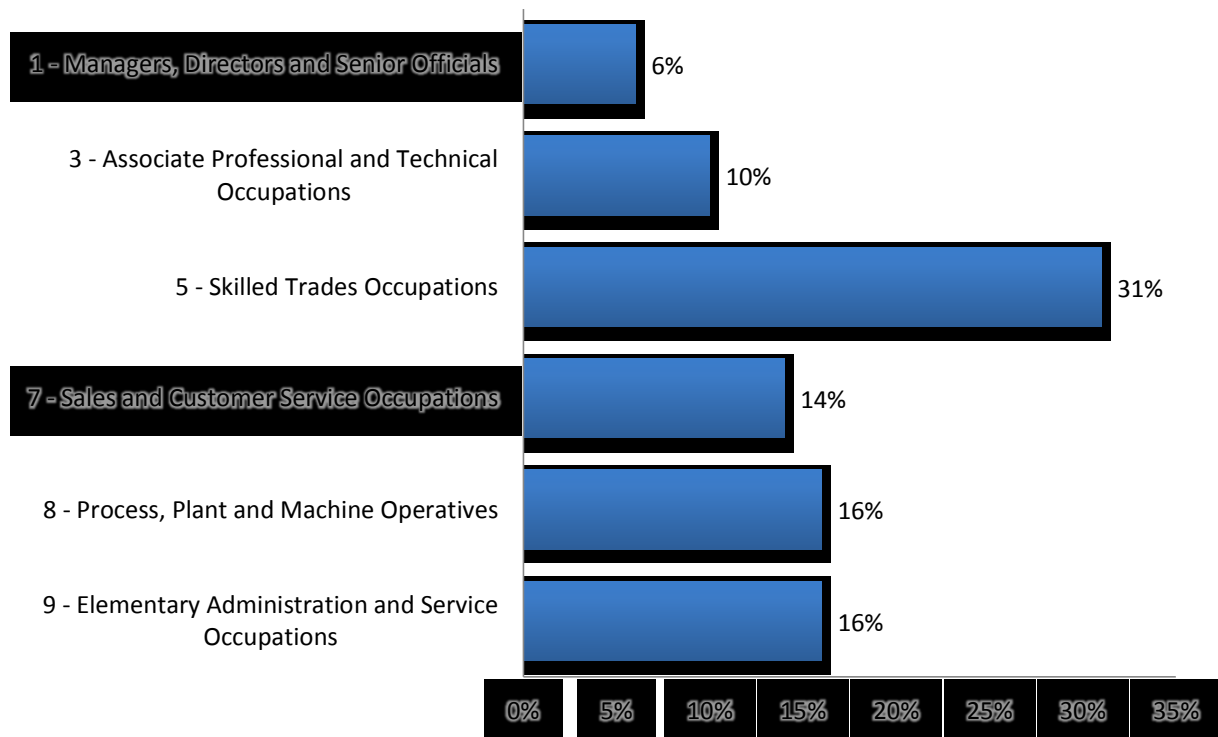


Figure 14: Industry worked in before starting work in the construction sector
 Base: Where first job was not in construction

	YH 2015 %	UK 2015 %
G - Wholesale and retail trade; repair of motor vehicles and motorcycles	24	22
C - Manufacturing	20	20
H - Transportation and storage	10	10
I - Accommodation and food service activities	8	10
A - Agriculture, Forestry and Fishing	8	6
R - Arts, entertainment and recreation	6	4
N - Administrative and support service activities	6	6
O - Public administration and defence; compulsory social security	4	6
J - Information and communication	2	2
E - Water supply, sewerage, waste management and remediation activities	2	1
B - Mining and quarrying	2	1
<i>Unweighted bases</i>	51	983

In terms of the job roles that Yorkshire and the Humber respondents have undertaken in other sectors, the highest proportion has worked in skilled trades (31% cf. 33% in 2012 and 29% across the UK in 2015). One in six has worked in process, plant and machine operative occupations (16% cf. 17% in 2012 and 13% across the UK in 2015) and in elementary administration and service occupations (16% cf. 29% in 2012 and 21% across the UK in 2015).

Figure 15: Job roles undertaken in other sectors
 Base: Where first job was not in construction



Unweighted base = 51



Occupational switching and progression within construction

As in the 2012 survey, as well as asking workers about their current role, all workers were also asked whether they have worked in other roles/occupations whilst working in the construction industry.

Overall a third of all construction workers in Yorkshire and the Humber have worked in more than one construction trade or occupation whilst working in the construction industry (33%). This represents a significant increase compared with 2012 when just over a fifth had worked in more than one role (23%). The proportion in Yorkshire and the Humber is similar to the UK average (34%).

As one would expect the proportion of workers that have had more than one role increases with age (to 37% amongst those aged 45+ cf. 13% amongst those 16 to 19 years).

The proportion that has worked in more than one role is similar amongst those who are employed directly (31%) and with the self-employed (34%). Workers with the highest level of qualifications (Level 4 and above) are also more likely to have had more than one role or occupation within the construction sector (53%), as are those in a supervisory or management role on site (53%).

As in 2012, there are also variations by current job role, with dryliners* (100%), site managers (79%) and roofers* (75%) most likely to have had more than one role/occupation within construction. Electricians* are least likely to have had any other trade within the construction sector (none). The following figure summarises the current job roles most and least likely to have had more than one role/trade in the construction sector. (*Caution: Small sample base.)

Figure 16: Proportions undertaking other construction roles, by current occupation

*Base: All respondents *caution: small sample base*

MORE likely to have had more than one role			LESS likely to have had more than one role		
	YH 2015 %	UK 2015 %		YH 2015 %	UK 2015 %
Dryliner* (1)	100	38	Labourer / Gen. Op. (60)	28	33
Site manager (28)	79	69	Banksman /banksperson* (8)	25	46
Roofer* (4)	75	29	Scaffolder* (18)	22	31
Plant / Mach. Op. (32)	56	55	Bricklayer (84)	20	19
Plasterer* (9)	33	34	Painter / decorator* (13)	15	27
			Plumber* (12)	8	13
			Carpenter / Joiner (24)	4	18
			Electrician* (5)	0	13

Unweighted bases for 2015 in parentheses

Respondents who have worked in other roles/occupations within the construction industry, other than the role they are currently in, were asked to specify which trades/occupations they



have previously worked in, with each respondent able to list all previous occupations. Figure 17 summarises the previous trades/occupations most frequently listed by those who have worked in other roles in the construction sector.

Workers are most likely to have previously worked as a labourer/general operative (27%) while one in five workers has previously worked as a carpenter/joiner (19%) and one in six as a bricklayer (17%).

Figure 17: Previous occupations/trades in the construction sector

Base: Workers that have switched occupations within construction

Occupation	YH 2015 %	UK 2015 %
Labourer/General operative	27	30
Carpenter/joiner	19	18
Bricklayer	17	13
Plant/machine operative (e.g. Fork lift/JCB)	9	10
Plasterer	8	7
Banksman/banksperson	8	7
Roofer	8	9
Site manager	8	5
Ground worker	7	5
Pipe fitter	5	5
Technical e.g. surveyor, maintenance technician	5	4
Scaffolder	4	4
Painter/decorator	3	8
Floorer	3	3
Electrician	2	3
Dryliner	2	7
Plumber	2	5
Steel erector/rigger	1	3
Glazer/window fitter	1	1
Ceiling fixer	1	4
Gardener/landscaper	1	1
Tiler	1	1
Welder	1	2
Other	7	9
<i>Unweighted bases</i>	<i>121</i>	<i>1576</i>

Future career plans

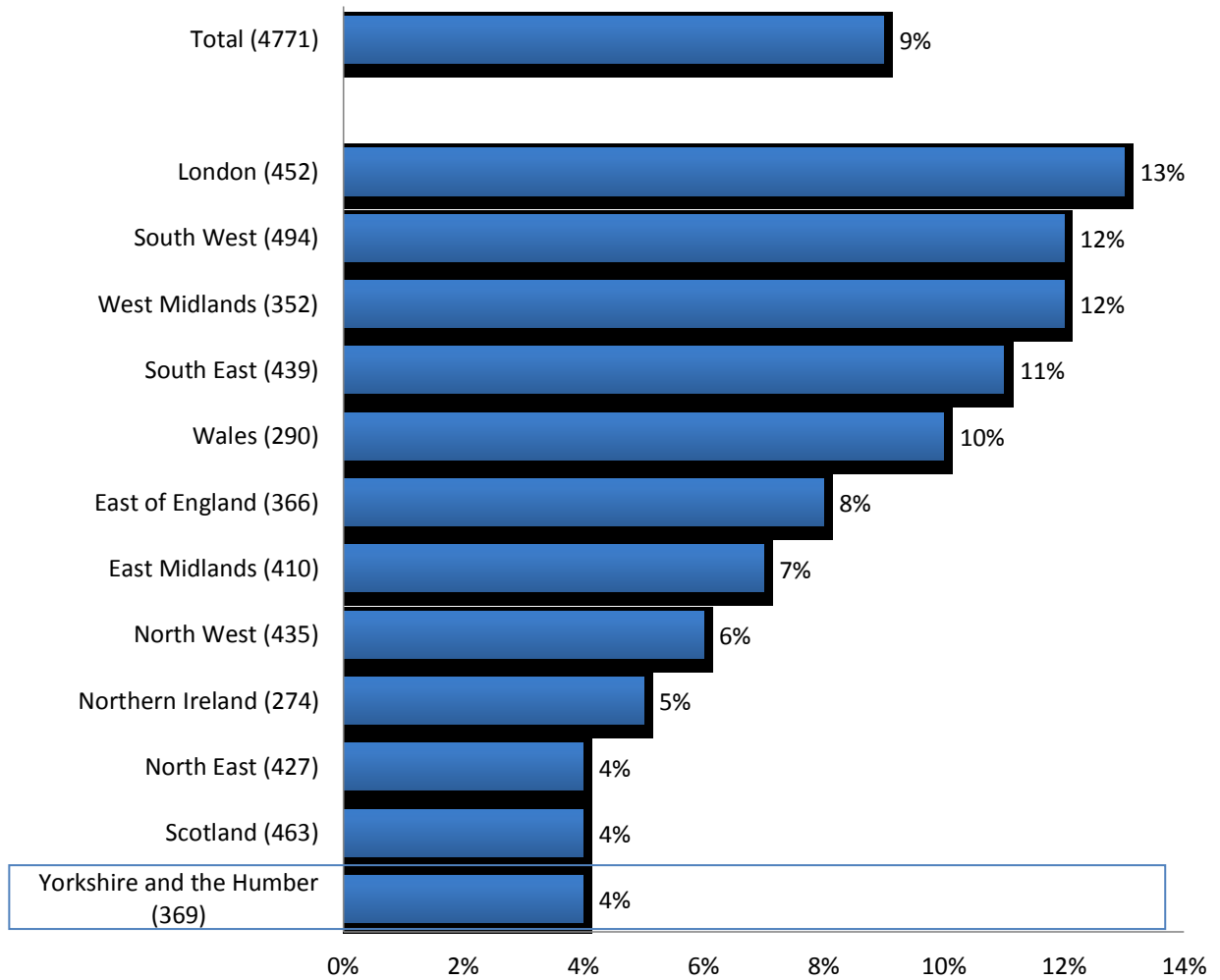
Thinking about their future plans in construction, more than 8 in 10 construction workers in Yorkshire and the Humber would like to carry on in the same trade or occupation (86%); 1 in 20 would like to change their trade/occupation (4%); and a further 1 in 20 would like to leave construction (4%); the remainder are not sure.

Compared with the UK average, Yorkshire and the Humber construction workers are more likely to want to carry on as they are (79% across the UK) and less likely to want to change their trade/occupation (9% across the UK).



Figure 18: Proportion of construction workers that would like to change their trade or occupation, by region/nation

Base: All respondents



Unweighted bases in parentheses

Construction workers currently working for an agency (11%) are more likely than those employed directly (4%) or self-employed (3%) to want to change their trade or occupation; whilst by current trade/occupation those working as a site managers (11%), labourers (7%) or bricklayers (5%) are the only ones to do so.

Amongst those who would like to change trade or occupation a wide range of alternative trades/occupations are mentioned, however the highest proportion overall would like to be a site manager (57%).

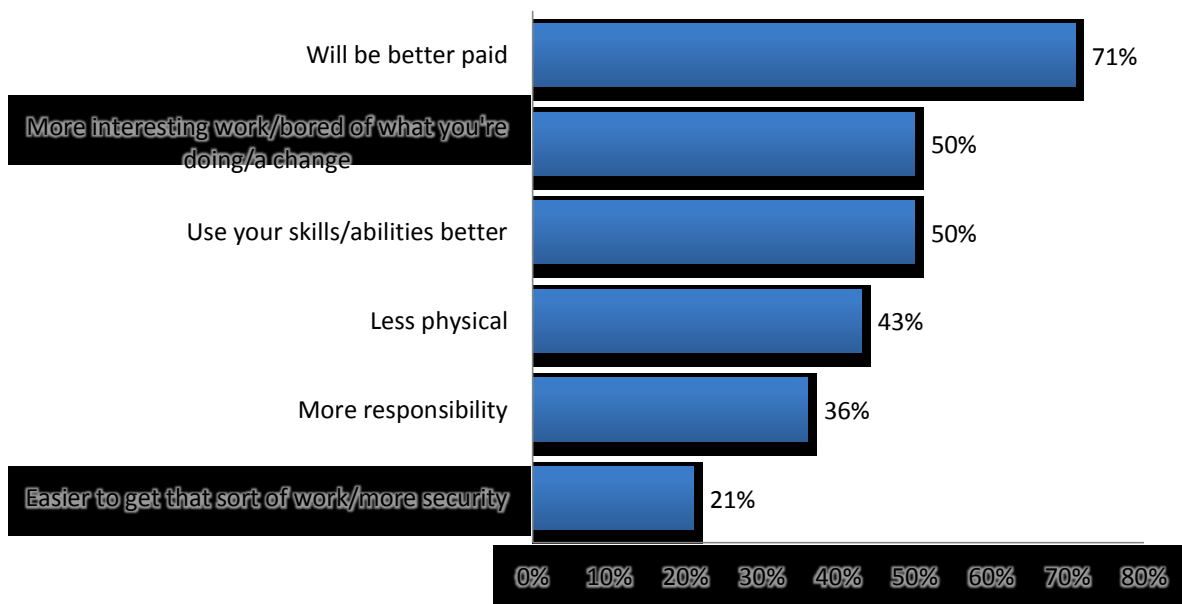


In nearly three quarters of all cases where construction workers in Yorkshire and the Humber would like to change trade or occupation they believe they will require further training or qualifications in order to do this other kind of work (71%). This compares to a higher proportion across the UK (77%).

The most popular reason for wanting to change trade or occupation is the perception amongst workers that they will be better paid (71%), while half feels it will be more interesting (50%) or they will use their skills better (50%). Just under half feel it will be less physical (43%). Smaller proportions mention having more responsibility (36%) or easier to get that sort of work (21%).

Figure 19: Reasons for wanting to change trade/occupation

Base: Where workers would like to change trade/occupation



Unweighted base = 14

Qualifications and skills

This section of the report explores construction workers' qualification levels and other accreditations, examining differences by key variables such as region/nation, occupation and length of experience. The issues covered in this section include:

- The range of skill cards and certificates held by workers;
- Construction-related qualifications gained before starting work in the construction sector; since starting work in the sector; and qualifications being worked towards;
- Workers self-perceived need for additional training in basic skills.



Construction skill cards and certificates

When asked which type of construction skill certificate or card they currently hold (e.g. CSCS or CSR) just 2% of all construction workers in Yorkshire and the Humber (2% nationally) say they do not hold any card and 1% are unsure. In total therefore 97% of all workers are certain that they hold at least one type of skill card or certificate that provides evidence to construction sites that they have received a certain level of health and safety awareness training.

Figure 20 summarises the proportion of workers by region/nation that hold any card and compares these proportions with the 2012 survey. Workers in Yorkshire and the Humber are amongst those in London, the South East, West Midlands and the North West that are most likely to hold skill certificates or cards (97%/98% in each case). The figure in Yorkshire and the Humber is the same as in 2012; although the increase in the proportion of workers in Yorkshire and the Humber, as across all regions/nations, that have a skill card/certificate since 2007 is significant.

Figure 20: Proportion of workers that have a skill card/certificate, by region/nation

Base: All respondents

	UK 2015 %	UK 2012 %	UK 2007 %
UK (4771)	96	97	68
London (452)	98	96	72
South East (439)	98	96	71
West Midlands (352)	98	100	79
North West (435)	97	98	75
Yorkshire and the Humber (369)	97	97	66
East of England (366)	96	98	81
North East (427)	96	99	68
South West (494)	96	97	70
East Midlands (410)	93	99	60
Wales (290)	92	92	82
Northern Ireland (274)	90	100	84
Scotland (463)	88	98	59
<i>Unweighted bases for 2015 in parentheses</i>			

As in 2012, the incidence of workers holding skill cards or certificates remains lower amongst younger workers (94% amongst 16 to 19 year olds). This suggests that employers are not always ensuring that new employees are immediately made aware of the need to prepare for, or acquire a CSCS card (or similar) and/or that young trainees are starting work/placements without the assurance that comes from having achieved such an accreditation.

However, more positively, as Figure 21 summarises, in terms of those with less experience of the industry, in 2015, a higher proportion of those with less than 1 year of experience hold a skill card or certificate than in 2012.



Figure 21: Proportion of workers that have a skill card/certificate, by other variables

Base: All respondents *caution: small sample base

		YH 2015	YH 2012	YH 2007	UK 2015
		%	%	%	%
Total (369)		97	97	66	96
Age	16 to 19 years (16)	94	100	53	85
	20 to 24 years (42)	100	98	70	95
	25 to 44 years (189)	99	97	75	97
	45+ years (118)	95	94	54	95
Length of time in construction	<1 year in construction (27)	100	0	0	88
	1 to 2 years (11)	100	0	61	96
	3 to 4 years (31)	97	100	64	96
	5+ years (300)	97	97	69	96
Contract-type	Employed directly (208)	98	96	67	95
	Self- employed (152)	98	98	68	97
	Agency* (9)	100	100	0	95
<i>Unweighted bases for 2015 Yorkshire and the Humber in parentheses</i>					

In terms of the type of skill card or certificate held by construction workers in Yorkshire and the Humber the CSCS (Construction Skills Certification Scheme (GB)) is the most commonly held (91%), as it was in 2012 (93%). Overall 19% hold the CPCS (Construction Plant Competence Scheme) card/certificate and this proportion increases to 25% amongst workers aged 45+.

Figure 22: Type of skill card/certificate held

Base: All respondents

	YH 2015	YH 2012	UK 2015
	%	%	%
CSCS (Construction Skills Certification Scheme) (GB)	91	93	86
CSR (Construction Skills Register) (NI)	<0.5		3
CISRS (Construction Industry Scaffolders Record Scheme)	5	2	4
CPCS (Construction Plant Competence Scheme)	19	9	13
Other	1	17	4
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>4771</i>

Analysis by current job role highlights where the incidence of certain types of skill card/certificate is higher than average:

- All dryliners, electricians, roofers, plasterers and plumbers interviewed hold CSCS (Construction Skills Certification Scheme (GB));
- More than half of plant/machine operatives (88%) and banks men/bankspersons (63%) hold CPCS (Construction Plant Competence Scheme);



- Almost three quarters of scaffolders (72%) hold CISRS (Construction Industry Scaffolders Record Scheme).

Workers that hold either a CSCS or CSR card were asked what colour their cards are. Figure 23 summarises the types of cards held by workers, with the CSR card colours split into sub-levels. Overall, within Yorkshire and the Humber, 7% of CSCS card holders have red cards; a quarter of CSCS (25%) card holders have green cards; and just over a third of CSCS card holders (36%) and the one CSR card holder in Yorkshire and the Humber has a blue card. One in five CSCS card holders have gold cards (19%).

Figure 23: Colour of CSCS/CSR cards held

*Base: Where CSCS or CSR cards are held *caution: small sample base*

	CSCS %		CSR* %
Red - Trainee	6	Red - Apprenticeship/Trainee	0
Red - Experienced worker card	1	Red - Trained Plant Operator	0
Green - construction site operative card for general site workers	25	Green - Construction Operative (for general site workers)	0
Blue - skilled	36	Blue - Operative/ Craft	100
		Blue - Plant Operator	0
		Blue - Basic Scaffolder	0
Gold - craft/supervisor card	19	Gold - Craft/Supervisor Card	0
		Gold - Advanced Scaffolder	0
Platinum - manager card	1	Platinum - Manager Card	0
Black - contracts manager card	7	Black - Senior Managers Card	0
Other	1	Other Professional cards, visitor cards, temporary cards	0
Unsure	3	Unsure	0
<i>Unweighted bases</i>	<i>335</i>		<i>1</i>

As expected, younger workers are more likely to hold Green cards (40% of 16 to 19 year olds with a CSCS card) or Red Trainee cards (27%), while older workers are more likely to hold Blue cards (39% of 25 to 44 year olds and 44% of 45+ year olds). Workers currently employed by an agency are more likely to hold Green cards (71%), compared with those employed directly (21%) or self-employed (29%).

Card colours also vary significantly according to current occupation/trade, as Figure 24 summarises. Some significant differences include that banksmen/bankpersons* (57%) and labourers/general operatives are most likely to hold Green cards (54%); and painter/decorators* (75%), plant/machine operators* (61%), scaffolders* (60%) and roofers* (50%) are most likely to hold Blue cards. (*Caution: Small sample bases.)



Figure 24: Colour of CSCS card held, by current occupation

Base: Where currently hold a CSCS card *caution: small sample base

	Unweighted bases	Red: Trainee %	Red: Experienced worker card %	Green %	Blue %	Gold %	Platinum %	Black %
Labourer / Gen. Op.	57	4	4	54	26	4	0	0
Plant / Mach. Op.*	18	0	0	22	61	17	0	0
Carpenter / Joiner	23	0	4	9	39	43	0	4
Bricklayer	82	11	0	16	35	35	0	1
Dryliner*	1	10	0	0	0	0	0	0
Banksman / Banksperson*	7	0	0	57	43	0	0	0
Electrician*	5	0	0	0	0	40	0	0
Roofer *	4	0	0	25	50	25	0	0
Painter / decorator*	12	0	0	8	75	17	0	0
Plasterer *	9	11	0	33	33	22	0	0
Plumber *	12	0	0	33	17	42	0	0
Scaffolder*	10	0	10	30	60	0	0	0
Site manager	27	19	0	7	15	7	4	44

Construction qualifications held

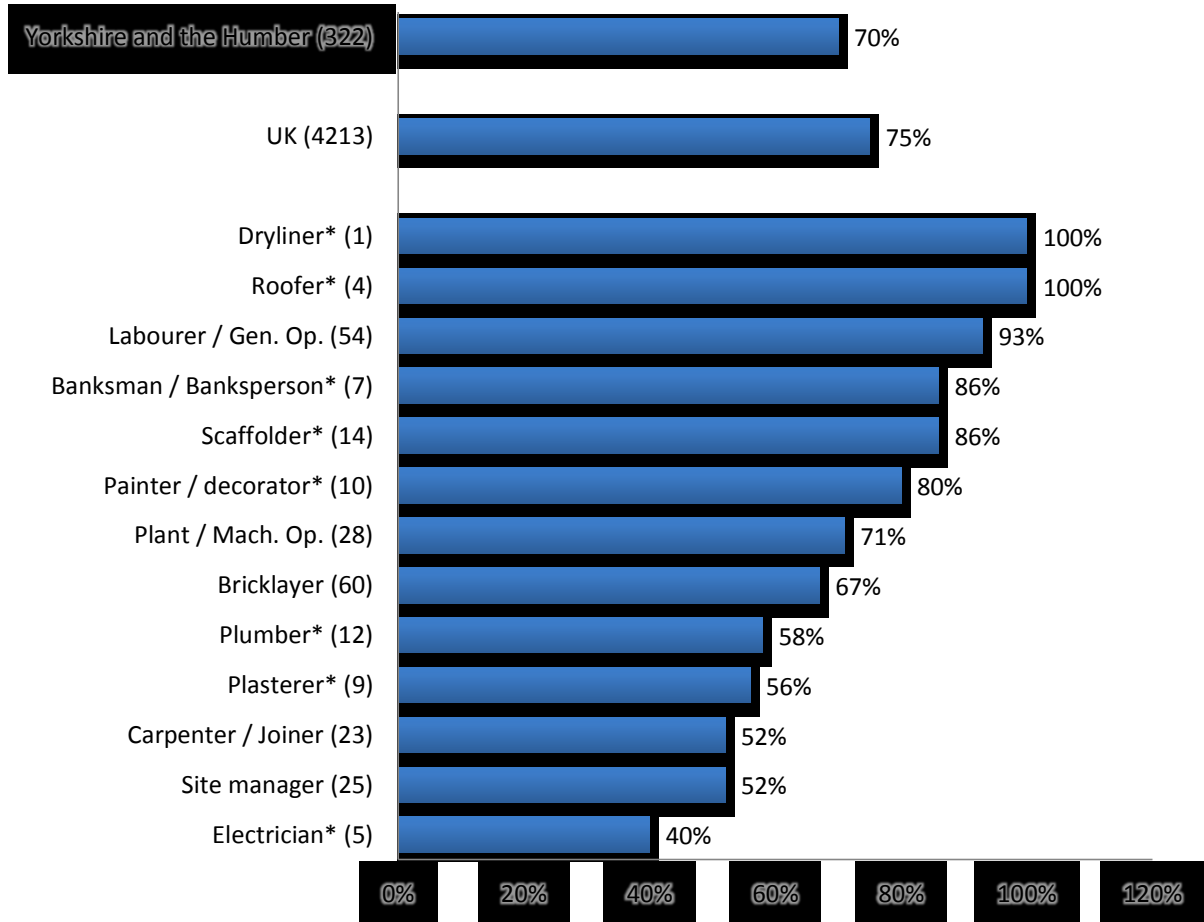
All workers were asked about the construction-specific qualifications they held after leaving full time education and started their first proper job in construction.

Overall 7 in 10 construction workers in Yorkshire and the Humber say they had no formal qualifications related to construction when they first started working in the construction industry (70%) and the proportion increases with age to 80% of 45+ year olds. By current trade/occupation the proportion of workers that started their construction careers with no formal qualifications is highest amongst dryliners* (100%), roofers* (100%), labourers/general operatives (93%), banksmen/bankspersons* (86%) and scaffolders* (86%), whilst electricians* (40%), site managers (52%) and carpenters/joiners (52%) are least likely to have started with no formal qualifications. (*Caution: Small sample base.)



Figure 25: Proportion of workers that had no formal construction-specific qualifications when they started their first proper job in construction, since leaving full time education, by occupation

Base: All respondents who provided a valid response *caution: small sample base



Unweighted bases in parentheses

After being asked about the qualifications they had when they first started their career all workers were also then asked what other formal qualifications, relevant to construction they have gained since starting in the industry. By combining the responses to both these questions we are able to derive the highest level of construction qualification held at the time of interview, including the type of qualification, the subject of the qualification and the level.

Overall, two thirds of Yorkshire and the Humber construction workers reported holding some sort of construction related qualification at the time of interview (68%), compared with a slightly higher proportion in 2012 (70%). Compared with the UK average, Yorkshire and the Humber construction workers are more likely to hold some sort of construction related qualification (63% in 2015; 65% in 2012).

As Figure 26 summarises the proportion of workers that hold any qualifications is lower than average amongst those who have worked in construction for less than a year (29%) and workers employed by an agency (37%).



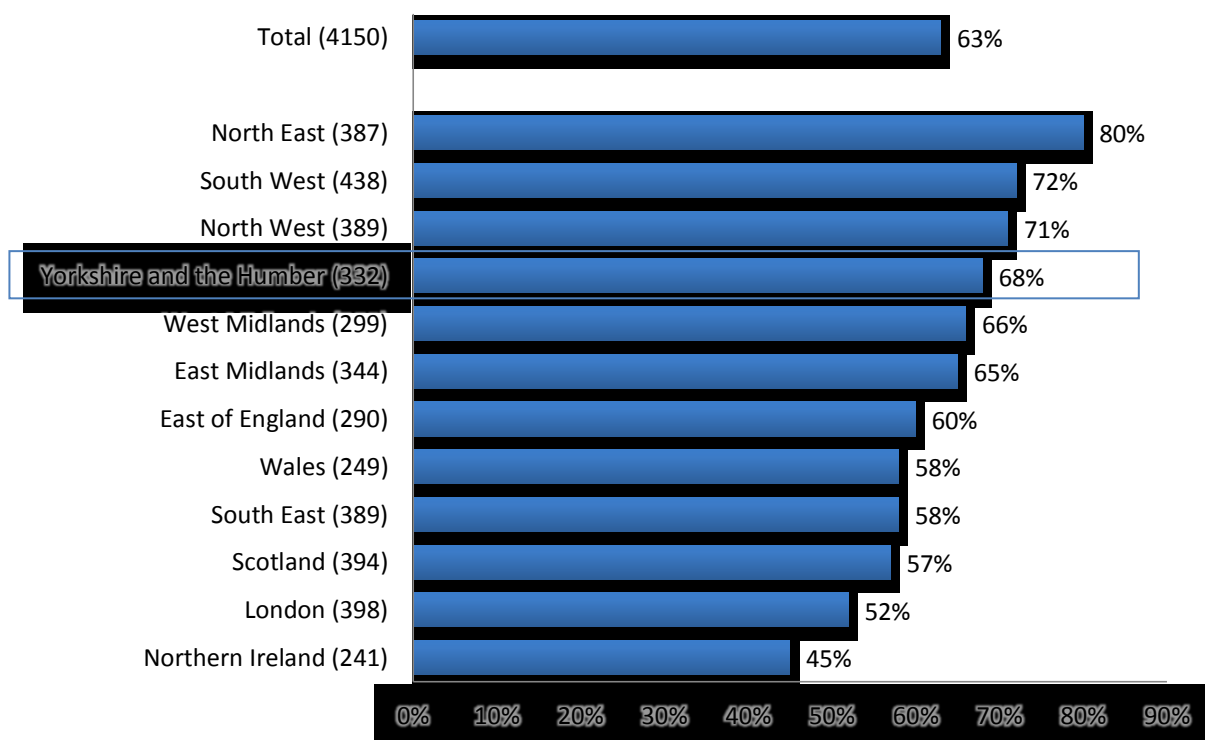
Figure 26: Proportion of workers that hold any construction-specific qualification
 Base: All respondents who provided a valid response *caution: small sample base

		YH 2015	YH 2012	YH 2007	UK 2015
		%	%	%	%
Yorkshire and the Humber (332)		68	70	61	63
Age	16 to 19 years (14)	64	44	0	62
	20 to 24 years (40)	62	69	45	62
	25 to 44 years (172)	75	69	65	65
	45+ years (102)	61	76	67	61
Length of time in construction	<1 year (24)	29	0	N/A	35
	1 to 2 years (11)	27	0	31	50
	3 to 4 years (28)	57	67	50	54
	5+ years (269)	75	73	70	68
Current contract type	Employed directly (190)	74	67	61	65
	Self-employed (134)	63	77	64	61
	Agency* (8)	37	63	0	46

Unweighted bases for 2015 Yorkshire and the Humber in parentheses

Yorkshire and the Humber is one of the top four regions in terms of the propensity of its' construction workforce to hold any construction-specific qualifications (see Figure 27).

Figure 27: Proportion of workers that hold any construction-specific qualification, by region/nation
 Base: All respondents who provided a valid response





The likelihood that workers hold any qualifications also varies significantly by current job role, as was the case in 2012. Site managers (92%) are most likely to hold qualifications, followed by carpenters/joiners* (90%) and plumbers* (90%). Trades less likely to hold formal qualifications include those working as a dryliner* (none) and as a labourer/general operative (37%). (*Caution: Small sample base.)

Type of construction qualifications held

Based on the qualifications that workers had when they first started working in the construction industry and any they have gained since Figure 28 summarises the types of qualifications that workers hold and compares the figures to previous surveys (amongst those who have any qualifications).

As in 2012 the qualifications most likely to be held by construction workers are NVQ/SVQ qualifications (71%), which is higher than the proportion reported in 2012 in Yorkshire and the Humber (67% in 2012) and also higher than the UK 2015 average (66%). One in six Yorkshire and the Humber construction workers with qualifications hold City & Guilds qualifications (18%), which is lower than in 2012 (27%), though only slightly lower than the UK 2015 average (20%). In Yorkshire and the Humber, 1 in 10 hold an apprenticeship (10%) which is slightly lower than the UK average (13%).

Figure 28: Main type of qualification held

Base: Workers with qualifications who provided a valid response

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
NVQ/SVQ	71	67	40	66
City & Guilds	18	27	42	20
Apprenticeship	10	1	3	13
HNC/HND/BTEC Higher	5	1	6	4
Degree	5	1	1	4
Other	9	3	4	11
<i>Unweighted bases</i>	<i>213</i>	<i>192</i>	<i>125</i>	<i>2455</i>

Additional formal training

Self-assessment of basic skills needs

Given the need for construction workers to read instructions and record information, it is important to ensure that the workforce has the skills required to perform these tasks. As in 2012, the survey therefore asked all workers whether or not they perceive the need for training in any basic skills to help with their work.



Overall 1 in 10 construction workers in Yorkshire and the Humber believe they would benefit from some form of training in basic skills (10%), compared with a similar proportion in 2012 (11%). In terms of the type of training required there is an almost even split across reading, writing, speaking English and maths, as Figure 29 summarises.

Figure 29: Self-assessed need for training in basic skills

Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
ANY	10	11	32	14
Reading	4	4	23	6
Writing	3	5	18	6
Speaking English	5	4	17	7
Maths	5	8	22	6
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>235</i>	<i>4771</i>

A number of specific sub-groups of construction workers are more likely to believe they would benefit from some training in basic skills:

- Younger workers aged 16-24 (19% cf. 6% aged 45+);
- Those who have worked in the industry for less than 1 year (37%);
- Scaffolders (28%) and plant/machine operators (19%).

The proportion that identified a need for more training in basic skills is lower in Yorkshire and the Humber than the UK average (14%).

Current study for additional construction qualifications

Overall 11% of all construction workers in Yorkshire and the Humber are currently working towards any formal qualifications relevant to the construction industry (excluding supervisory or managerial qualifications). This compares with 10% in 2012 and a UK average in 2015 of 12%).

As in 2012 the likelihood that workers are currently working towards qualifications is significantly higher amongst the youngest workers (44% of 16 to 19 year olds). Workers employed directly (13%) are also more likely than those who are self employed (7%) to be currently working towards a qualification. One in ten of those working through an agency are currently studying (11%).

Of those who have no qualifications currently 1 in 8 are working towards one (12%).

Figure 30 summarises these findings.



Figure 30: Proportion working towards additional construction qualifications

Base: All respondents *caution: small sample base

		YH 2015	YH 2012	YH 2007	UK 2015
		%	%	%	%
Total (369)		11	10	26	12
Age	16 to 19 years (16)	44	56	47	57
	20 to 24 years (42)	24	22	32	23
	25 to 44 years (189)	9	5	23	10
	45+ years (118)	5			4
Length of time in construction	<1 year in construction (27)	22	0	0	31
	1 to 2 years (11)	27	0	28	28
	3 to 4 years (31)	32	26	39	23
	5+ years (300)	7	7	22	7
Contract type	Employed directly (208)	13	n/a	n/a	16
	Self-employed (152)	7	n/a	n/a	8
	Agency* (9)	11	n/a	n/a	10
Highest qualification level	None (105)	12	n/a	n/a	11
	Level 1 (9)	11	n/a	n/a	32
	Level 2 (105)	12	n/a	n/a	15
	Level 3 (77)	4	n/a	n/a	8
	Level 4+ (36)	19	n/a	n/a	15

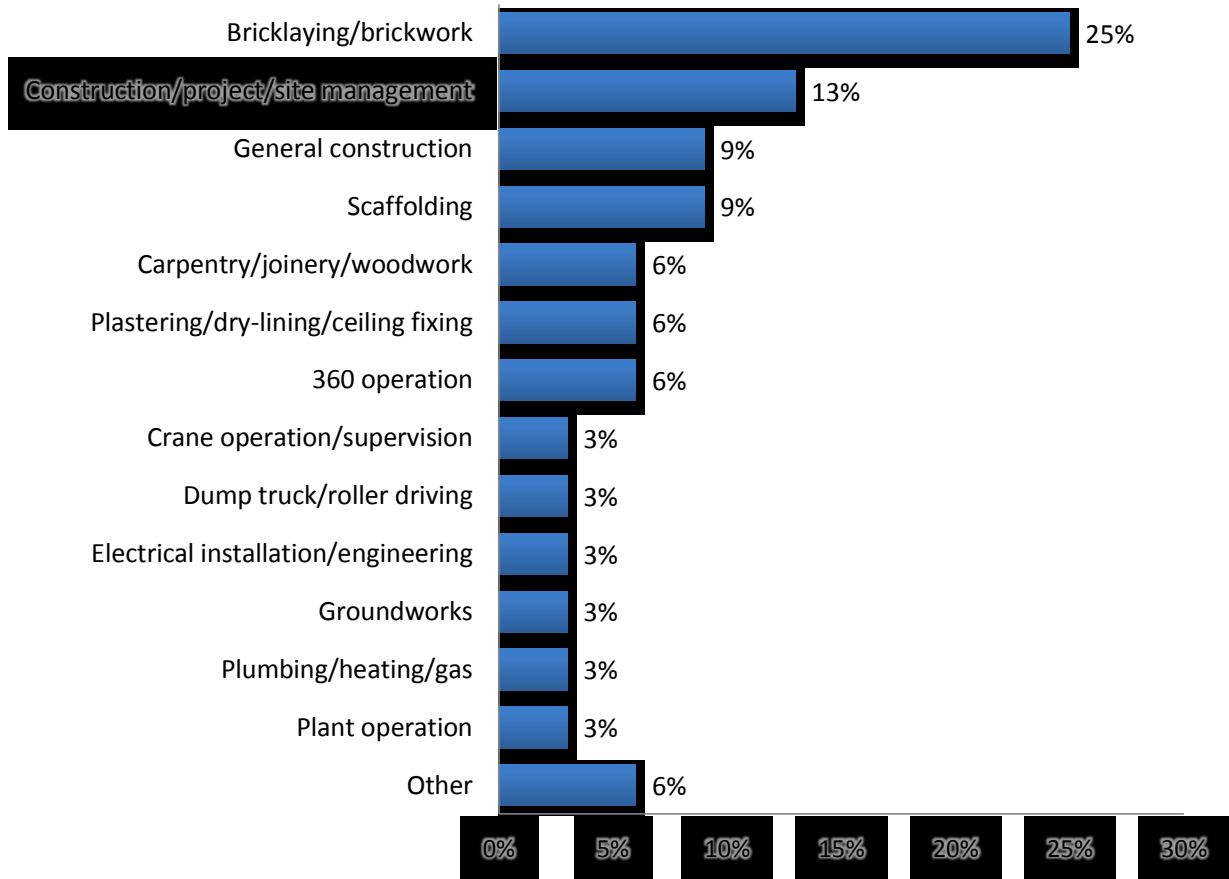
Unweighted bases for 2015 Yorkshire and the Humber in parentheses

Of those who are currently studying for a qualification the most popular type of qualification is an NVQ/SVQ (80%). In terms of the subject of the qualifications being worked towards bricklaying (25%), followed by construction/project/site management (13%) are most popular, as Figure 31 illustrates.



Figure 31: Subject of qualification being worked towards

Base: Where working towards a qualification who provided a valid response



Unweighted base = 32

With regards to the level of qualification being worked towards (see Figure 32), qualifications equivalent to Level 2 (42%) and Level 3 (19%) are most common, including amongst those with no qualifications currently (91% working towards Level 2 and 9% working towards Level 3).

Figure 32: Level of qualification being worked towards

Base: Where working towards a qualification who provided a valid response

	YH 2015 %	UK 2015 %
Level 1	3	6
Level 2	42	31
Level 3	19	35
Level 4+	14	11
Other	14	9
None	8	7
Unweighted bases	36	469



Supervisory and managerial qualifications and training

As reported earlier, a quarter of all construction workers in Yorkshire and the Humber perform a supervisory or management role at their site (24%). Amongst those who do not currently perform supervisory/management roles 1 in 6 want to become a supervisor or manager in the future, but have not done it before (17%) and a further 4% want to be a supervisor/manager and have done it before. A fifth of all workers not currently managers/supervisors are unsure as to whether they'd like to be one in the future (20%), while three fifths are certain that they do not want to be (59%).

Amongst the youngest workers, aged 16 to 24, the proportion that would like to be supervisors/managers is highest, around a third (31%), while amongst those aged 45 and over a significantly higher proportion of workers definitely do not want to be supervisors/managers (74%). The likelihood that workers want to be supervisors/managers is also higher among those working in construction for less than 1 year (33%). Analysis by contract type reveals that those who currently work for any agency (25%) are more likely than those employed directly (20%) or self-employed (13%) to want to be a supervisor/manager, but have not done it before, as are workers with Level 4 qualifications (33%), compared with workers with lower qualification levels or no qualifications (9% with none; none with Level 1).



Figure 33: Whether those who are not currently supervisors want to be one in the future

*Base: Where do not perform supervisor/management roles on site *caution: small sample base*

		<i>Unweighted bases</i>	Yes, but have not done it before %	Yes and have done it before %	No %	Maybe/depends %
Yorkshire and the Humber		272	17	4	59	20
UK		3457	20	6	53	21
Age	16 to 19 years	16	31	0	31	38
	20 to 24 years	35	26	0	49	26
	25 to 44 years	137	20	2	56	21
	45+ years	80	6	9	74	11
Length of time in construction	<1 year	27	33	4	33	30
	1 to 2 years	10	10	0	60	30
	3 to 4 years	28	21	0	54	25
	5+ years	207	15	5	63	17
Contract type	Employed directly	138	20	3	54	22
	Self-employed	126	13	6	64	17
	Agency*	8	25	0	50	25
Highest qualification level	No Qualifications	90	9	4	66	21
	Level 1*	6	0	0	67	33
	Level 2	84	21	2	61	15
	Level 3	59	22	2	54	22
	Level 4+*	6	33	33	17	17

A quarter of all construction workers in Yorkshire and the Humber (25%; the same proportion as across the UK) and three quarters of those who have had some form of supervisory or management responsibilities (74%) have received any formal training designed to improve managerial or supervisory knowledge or skills.

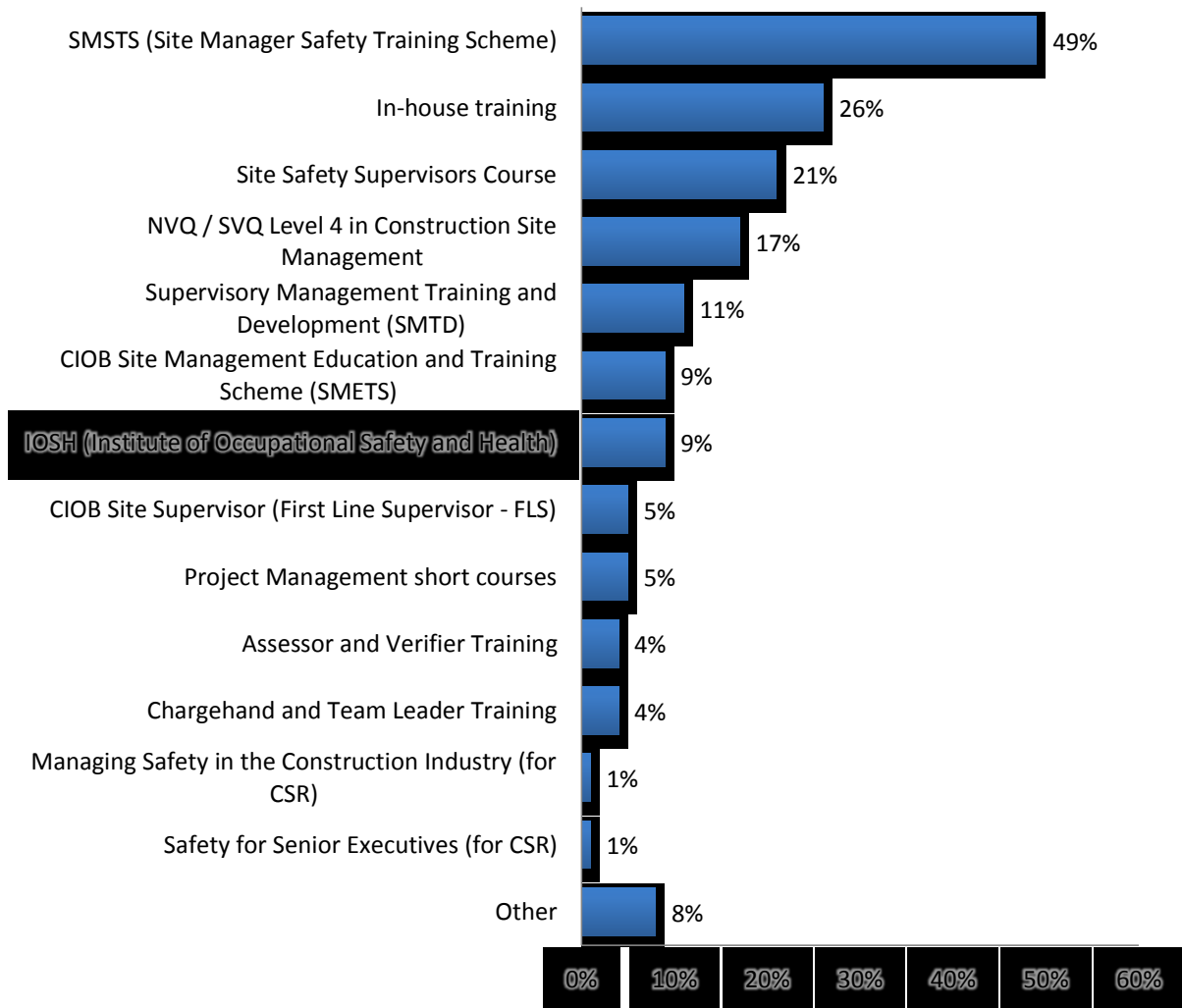
The proportion that has undertaken any managerial or supervisory training increases to around 3 in 10 amongst workers aged 45 and over (29%) and those employed directly (31%). It also increases amongst those that have worked in construction for 5+ years (29%). Virtually all site managers have received formal training designed to improve managerial or supervisory knowledge or skills (93%).



In terms of the types of supervisory/managerial training undertaken the proportions mentioning each type are summarised in Figure 34. SMSTS is most frequently mentioned by those who have undertaken any training (49%), followed by in-house training (26%) and Site Safety Supervisors Courses (21%). These were also the top three most mentioned types of supervisory training in 2012, although SMSTS was only mentioned by a small minority then (8%).

Figure 34: Types of managerial/supervisory training undertaken

Base: Where received formal training designed to improve managerial or supervisory knowledge or skills



Unweighted base = 92

Overall skill levels

An overview of the qualification and skill levels of construction workers surveyed has been derived by combining data from various separate measures and is presented in Figure 35 below.



As in 2012 the vast majority of construction workers in Yorkshire and the Humber (99%) has a construction-related qualification and/or skills card/certificate (or were working towards a qualification at the point of interview): only 1% of those interviewed could not say that they were at least working towards obtaining a CSCS card (or similar) or construction qualification.

Just over a quarter of the workforce (27%) holds a skill card/certificate, but have no other construction qualification, this is lower than in 2012; however is more consistent with findings from 2007 (50% and 29% respectively).

Figure 35: Qualification status summary

Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
Holds a formal construction qualification or a skills card/certificate or working towards a qualification	99	97	85	98
Holds a formal construction qualification or a skills card/certificate	99	98	77	97
Holds a skills card/certificate	98	96	66	96
Holds a skills card/certification but no other qualification	27	50	29	30
Working towards a qualification	11	10	26	12
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>235</i>	<i>4771</i>

Based on all questions relating to qualifications it is possible to calculate each worker's highest qualification level. Figure 36 summarises all construction workers' highest level of qualification, overall and by occupation.

Overall while a third of construction workers in Yorkshire and the Humber (32% cf. 30% in 2012 and a 2015 UK average of 37%) have no qualifications, two thirds have qualifications equivalent to Level 2 or above (66% cf. 66% in 2012; 58% across the UK in 2015).

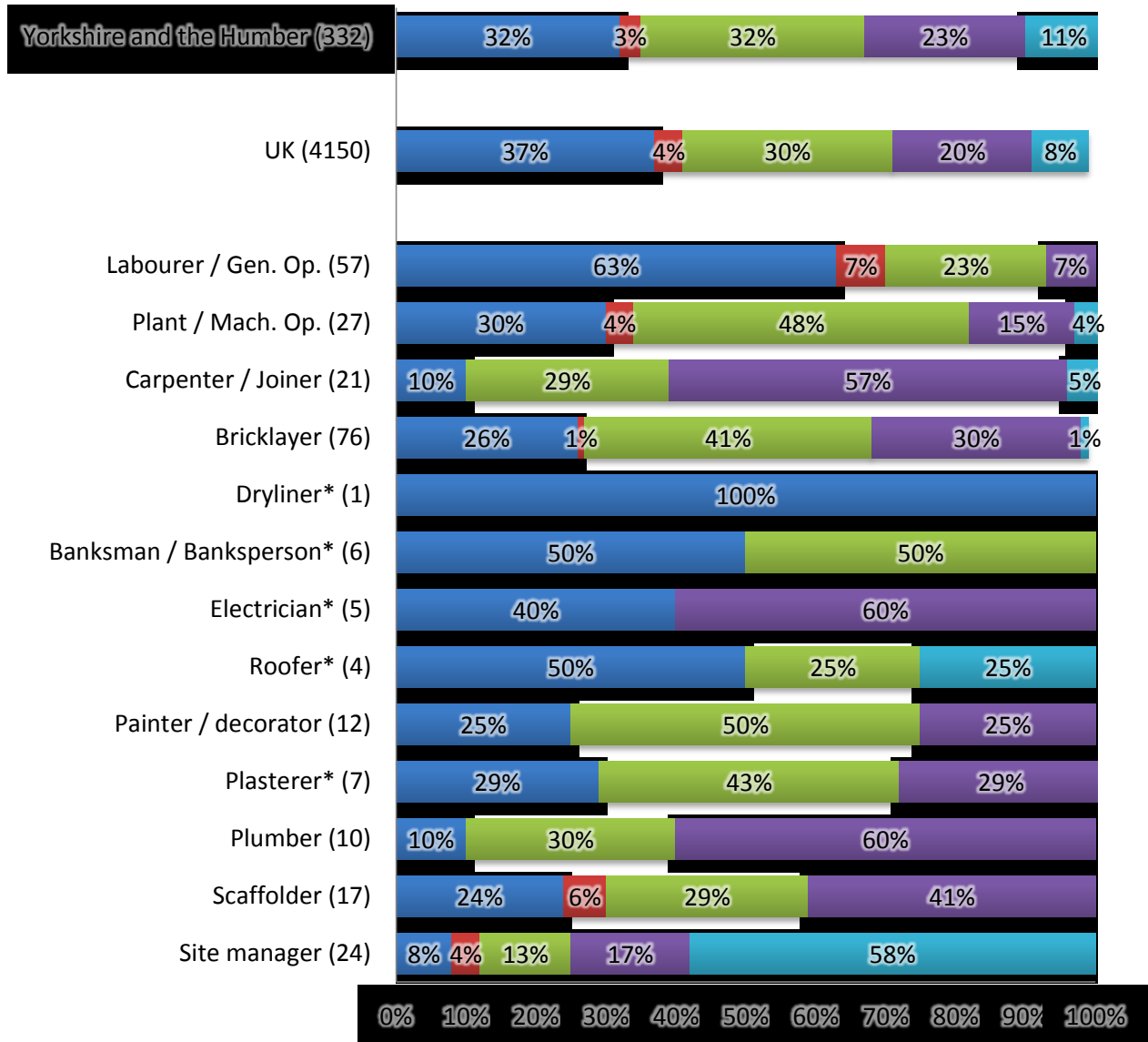
By occupation site managers are most likely to hold the highest level of qualifications; over half hold qualifications at Level 4 or above (58%) and a further one in six have Level 3 qualifications (17%). Electricians* and plumbers* are also more likely than other occupations to hold qualifications equivalent to Level 3 or above (60% and 60% respectively). (*Caution: Small sample base.)



Figure 36: Current qualification level, by occupation

Base: All respondents who provided a valid response *caution: small sample base

- No formal qualifications
- Level 1 qualifications
- Level 2 qualifications
- Level 3 qualifications
- Level 4 qualifications or above

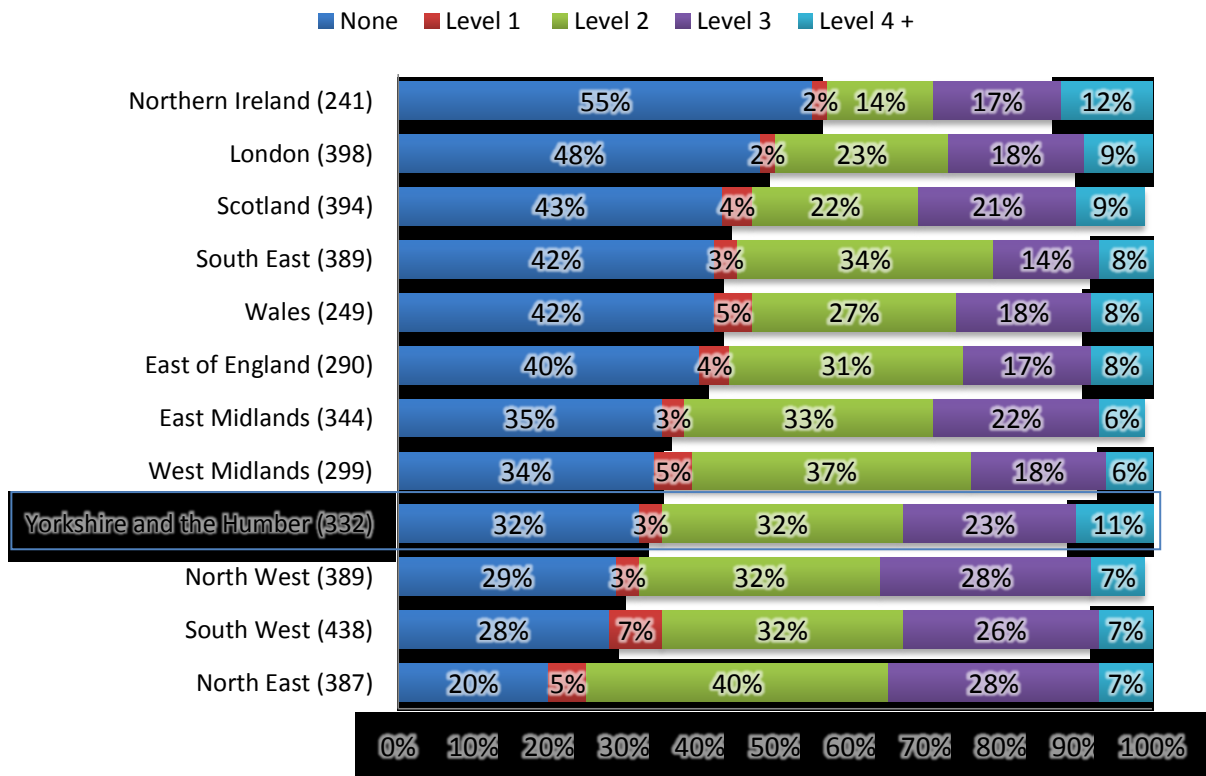


Unweighted bases in parentheses

Analysis by region/nation reveals that while the proportions that hold qualifications at Level 1, or at Level 4 and above, are generally quite similar, the proportions that have Level 2 or 3 qualifications and no qualifications varies quite considerably. These variances are summarised in Figure 37, which highlights that the construction workforce in Yorkshire and the Humber is amongst the best qualified in the UK.



Figure 37: Current qualification level, by region/nation
 Base: All respondents who provided a valid response



Unweighted bases in parentheses

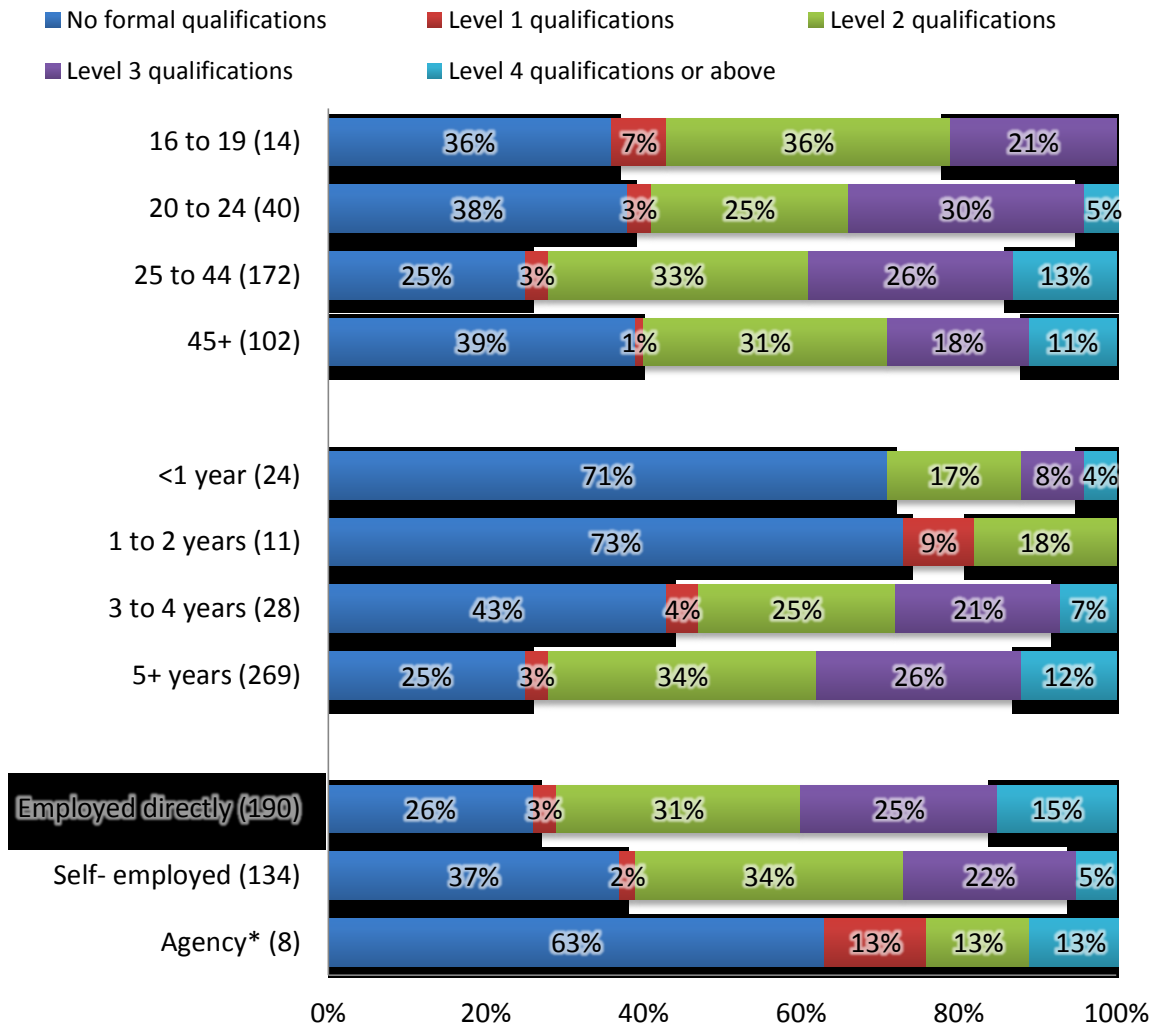
Looking at other sub-groups of construction workers, younger workers are most likely to have qualifications up to Level 3 (79% of 16-19 year olds) but workers under the age of 45 are more likely to have qualifications at Level 3 or 4+ than those aged 45 and over (35% of 20-24 year olds; 39% of 25-44 year olds; 29% of 45+ year olds). A similar pattern is evident in terms of length of time in the construction industry, with those having worked in construction for 5+ years more likely than those having spent less time in the industry having qualifications at Level 3 or 4+ (38%).

In terms of contract type, workers who are currently working for an agency are less likely than those employed directly or self employed to have any qualifications (63% have none). In addition workers employed directly by a company are more likely to have higher level qualifications, compared with workers who are self-employed; two fifths of workers employed directly have qualifications equivalent to Level 3 or above (40%), compared with just over a quarter of self-employed construction workers (27%). Figure 38 illustrates these variances.



Figure 38: Current qualification level, by other key variables

Base: All respondents who provided a valid response *caution: small sample base



Unweighted bases in parentheses



Geographic mobility

This section of the report on geographic mobility helps to identify which regions/nations of the UK are net 'importers' or 'exporters' of construction workers, as well as which elements of the construction workforce are the most mobile (based on region/nation of residence, region/nation of birth and type of contract). The measures included in this section are:

- Reasons for working in current location;
- Comparisons of current location, with workers' region/nation of origin;
- Proportion of construction workers' career that has been spent working in the current region/nation;
- Whether current site is commuted to daily from their permanent address or temporary accommodation is used;
- Miles travelled to site each day;
- Whether next site is commutable or requires temporary accommodation.

Work history in the current region/nation

As in the 2012 survey all workers were asked what made them decide to work in the region/nation that they are currently working in, although the code frame used for the responses was slightly different. Within Yorkshire and the Humber the most likely reason for working in the region is because they grew up there/have always lived there (58%), with a further 7% mentioning other reasons to do with their family. Overall family reasons are mentioned to a greater degree than in 2012 (65% cf. 56%).

The next most likely reason for working at their current location is that their employer sent them there (32% cf. 51% in 2012).

Figure 39: Reasons for choosing to work in current location

Base: All respondents

	YH 2015 %	UK 2015 %		YH 2012 %
You grew up here/have always lived here	58	55	Family	56
Family reasons	7	6		
Employer sent you here	32	36	Employer sent me	51
Came to the area to take up this or another job	8	5	More regular opportunities	4
There are more jobs available in this area	6	6	More jobs here	11
Construction work is better paid in this area	1	3	Better paid jobs	0
Wanted to move to the area because you like it or feel it offers opportunities for better quality of life	1	1	Prefer living here	3
<i>Unweighted bases</i>	<i>369</i>	<i>4771</i>		<i>399</i>

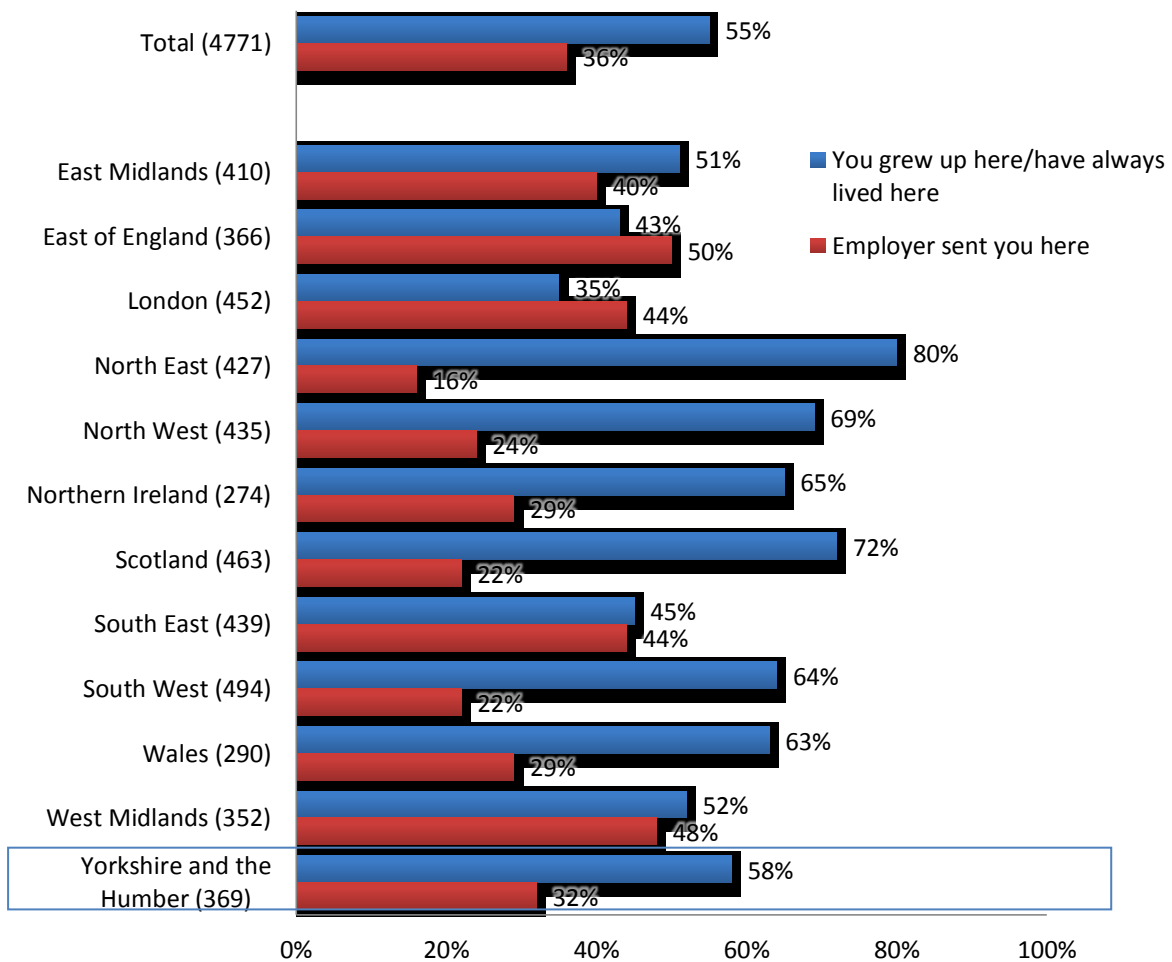


Workers over the age of 25 are more likely than those under 25 years to state that they work in their current location because that's where they have always lived/grew up (61%, compared with 47%).

There are significant differences by region/nation in the proportions that give these two main reasons for working in their current location. These differences are summarised in the following figure. Construction workers in Yorkshire and the Humber are similar to the UK average to cite having always lived there and less likely to say their employer sent them.

Figure 40: Top two reasons for deciding to work in their current region/nation, by region/nation

Base: All respondents



Unweighted bases in parentheses

Around two fifths of all workers have worked with Yorkshire and the Humber for their entire construction career (39%), compared with a slightly lower proportion in 2012 (36%). With a further 41% that have remained in this region most of the time, this means the majority of all workers have remained in Yorkshire and the Humber for all or most of the time (80%).

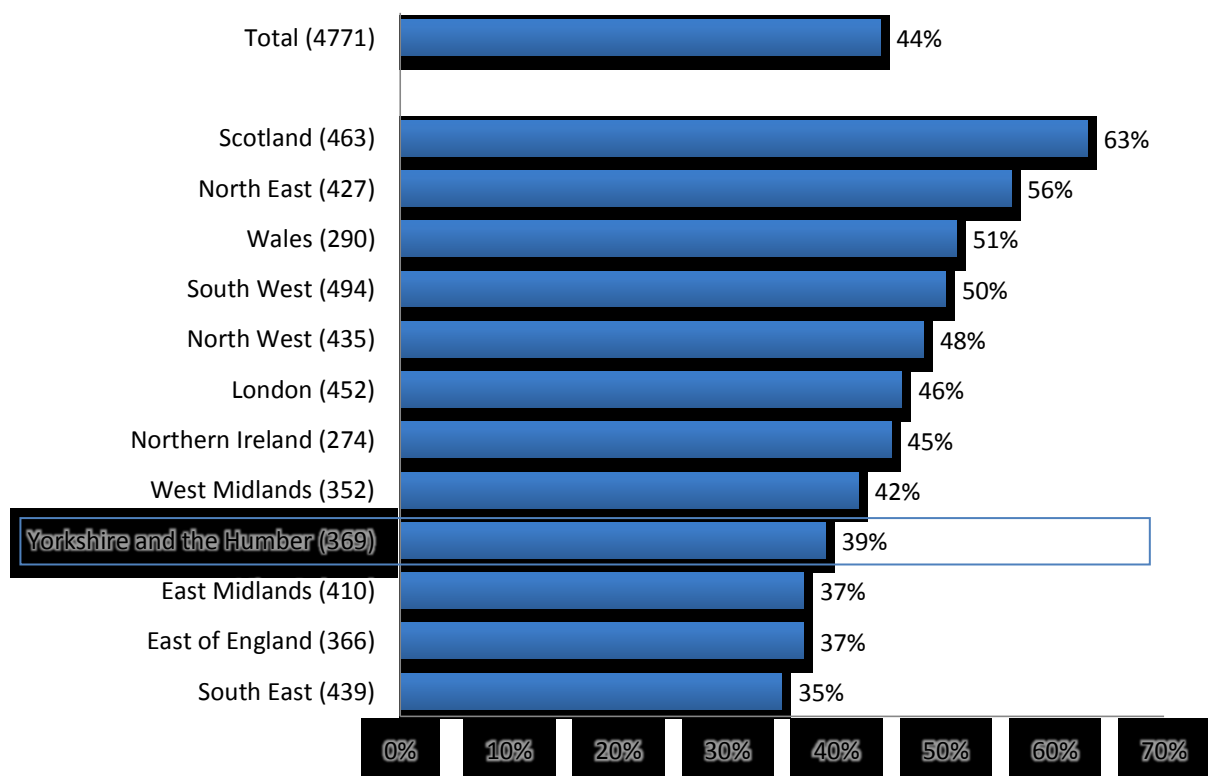


Figure 41: Proportion of construction workers' career worked in current region/nation
Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
All of your time	39	36	38	44
Most of it	41	39	32	36
Around half your time	10	14	14	8
A small proportion of your time	5	13	9	7
Only on this job (this is the first site you've been to in this region/nation)	3	5	3	3
Don't know	2	4	3	2
<i>Unweighted bases</i>	369	399	235	4771

The proportion of construction workers in Yorkshire and the Humber that have spent all of their time in the region/nation is higher amongst younger workers (63% of 16 to 19 year olds and 60% of 20 to 24 year olds) and similarly high amongst those that have worked in the construction industry for the shortest period of time (59% <1 year). There are quite significant variations again by region/nation, but Yorkshire and the Humber is lower than the UK average in this respect (39%, compared with 44%).

Figure 42: Proportion of workers that have spent all their time in this current region/nation
Base: All respondents



Unweighted bases in parentheses



In terms of the regions/nations in which workers' current employer operates in, mostly workers reported that their employer operated within the region/nation they were currently working in as shown in Figure 43. The proportion for which this is the case is 88% in Yorkshire and the Humber.

Figure 43: Region/nation employer operates in, compared with region/nation working in currently

Base: All respondents

Region/nation employer operates in	Region/nation currently working in											
	EM %	EE %	GL %	NE %	NW %	NI %	SC %	SE %	SW %	WA %	WM %	YH %
East Midlands	83	16	8	13	3	2	4	12	8	7	24	11
East of England	12	67	15	11	2	1	4	19	8	7	9	6
London	10	27	84	13	4	1	5	27	12	7	9	6
North East	9	9	8	93	3	1	4	6	7	7	8	15
North West	11	9	8	14	93	1	4	6	7	11	11	10
Northern Ireland	3	3	3	2	1	99	3	2	1	3	2	1
Scotland	6	4	6	9	1	2	97	2	4	4	5	4
South East	13	23	27	12	3	*	4	65	21	7	11	6
South West	9	5	7	10	3	*	4	18	83	10	15	5
Wales	6	5	5	8	3	*	4	3	10	96	14	4
West Midlands	21	9	8	12	6	*	4	7	12	9	92	8
Yorkshire and the Humber	15	10	7	19	4	1	5	6	8	8	8	88
Republic of Ireland	1	2	3	*	*	2	1	1	1	2	2	*
Other parts of Europe	*	*	*	1	0	0	0	0	*	0	1	0
Outside Europe	*	1	0	*	0	0	0	0	*	0	*	0
Other / Unsure	1	3	2	3	2	*	1	3	1	*	1	3
<i>Unweighted bases</i>	410	366	452	427	435	274	463	439	494	290	352	369

* denotes percentages of <0.5%

Region/nation worked in before current site

Thinking about the last construction site they worked on, before this one, in the majority of cases workers' last site is in the same region/nation as they are working in now, however the extent to which this is the case varies considerably by region/nation, as Figure 44 illustrates. Construction workers in Yorkshire and the Humber are fairly 'average' in stating that their last site was in Yorkshire and the Humber (82%).



Figure 44: Region/nation of last site before this current one

Base: All respondents

Region/nation of last site	Region/nation currently working in											
	EM %	EE %	GL %	NE %	NW %	NI %	SC %	SE %	SW %	WA %	WM %	YH %
East Midlands	60	7	*	*	1	0	0	3	1	1	6	4
East of England	5	49	4	1	0	0	0	7	1	1	1	1
London	2	23	77	2	1	4	1	19	4	*	2	1
North East	1	3	0	86	0	0	0	0	0	0	0	6
North West	3	2	1	1	89	1	*	*	1	7	3	2
Northern Ireland	1	1	*	0	*	86	2	0	0	1	*	0
Scotland	1	0	1	3	0	2	94	0	*	1	*	1
South East	6	9	11	1	1	*	*	56	9	1	2	2
South West	*	1	1	*	0	*	0	7	76	2	5	0
Wales	1	1	*	0	1	0	1	*	2	83	3	*
West Midlands	8	1	1	1	3	1	1	1	3	1	75	1
Yorkshire and the Humber	9	2	*	3	1	0	1	0	1	0	*	82
Republic of Ireland	0	*	*	0	0	3	*	*	0	1	1	0
Other parts of Europe	0	0	*	*	*	*	1	*	*	0	*	0
Outside Europe	0	*	0	0	1	1	*	*	*	0	0	0
Other/ Unsure	2	1	1	2	1	1	1	5	2	1	1	*
<i>Unweighted bases</i>	369	332	393	336	357	258	385	392	414	272	322	307

* denotes percentages of <0.5%

Worker origins

Workers were asked which region/nation they were living in just before they got their first job in construction in the UK. Overall 9 in 10 construction workers in Yorkshire and the Humber were living in the region when they started their construction career (90%). However, there are considerable variations in the extent to which workers have remained in their original locality. As Figure 45 summarises workers currently based in Yorkshire and the Humber are amongst the most likely to have remained in the same region/nation in which they were based when they started their construction careers.



Figure 45: Inter-regional/national movement during construction careers
 Base: All respondents who provided a valid response *denotes less than 0.5%

Original home	Region/nation currently working in											
	EM %	EE %	GL %	NE %	NW %	NI %	SC %	SE %	SW %	WA %	WM %	YH %
East Midlands	78	5	*	1	*	0	0	1	*	0	3	3
East of England	2	55	2	0	1	0	0	7	*	0	1	0
London	3	6	50	1	2	0	*	7	1	*	2	*
North East	0	*	1	96	*	0	*	*	1	0	0	2
North West	1	*	*	1	91	0	*	0	1	3	2	2
Northern Ireland	1	1	0	0	0	97	1	1	1	0	1	0
Scotland	1	1	1	1	0	0	96	0	*	0	*	0
South East	2	2	10	0	0	0	0	55	7	0	1	0
South West	*	*	0	0	*	0	0	8	76	0	2	0
Wales	*	1	0	0	1	0	0	0	1	94	2	0
West Midlands	6	*	*	*	2	0	0	1	3	1	84	0
Yorkshire and the Humber	2	3	*	1	1	0	*	0	1	0	0	90
Republic of Ireland	0	0	1	0	*	1	0	1	0	*	1	0
Other parts of Europe	*	1	2	0	*	*	*	6	2	0	1	*
Outside Europe	0	0	*	*	0	0	0	0	*	0	0	0
Other/ Unsure	3	19	8	0	1	*	0	8	5	1	2	2
Outside of UK and ROI	1	5	23	*	1	1	2	4	*	*	0	1
<i>Unweighted bases</i>	318	302	345	386	389	215	409	374	478	231	291	292

Thinking next about where workers studied for their first construction qualification, Figure 46 summarises the proportion of construction workers now working in the same region/nation in which they acquired their first construction qualification. This analysis shows that once again there are great variations by region/nation and that construction workers in Yorkshire and the Humber are again, fairly 'average' in terms of being likely to have moved there from another region/nation.



Figure 46: Proportion of construction workers based in the same region/nation as when their first qualification was achieved

Base: Those with a formal qualification

	UK 2015 %	UK 2012 %	Higher than average mentions for other regions/nations
Northern Ireland (142)	96	98	
Scotland (372)	95	86	
North East (348)	92	82	
North West (322)	90	85	
Wales (186)	83	85	
Yorkshire and the Humber (264)	82	83	North East 8%
West Midlands (249)	79	61	
South West (372)	76	72	
East Midlands (289)	65	64	Yorkshire and the Humber 9%
London (262)	58	64	South East 24%,
South East (276)	55	46	London 14%, South West 8%
East of England (251)	50	49	London 20%, South East 9%
<i>Unweighted bases for 2015 in parentheses</i>			

Travel to site

Relative locations of current workplace to home

The majority of construction workers were interviewed on a site that was located within the same region/nation as their permanent home, but the exact proportion working in their region/nation of residence varied.

As in 2012, 1 in 7 construction workers in Yorkshire and the Humber are travelling into the region for work from another region/nation in which their current residence is based (14%, which includes those travelling to/from work from a neighbouring region/nation).



Figure 47: Inter-regional/national movement from permanent residence to current site
Base: All respondents who provided a valid response

	UK 2015			UK 2012		
	% from same region/nation	% from different region/nation ¹	% from neighbouring region/nation	% from same region/nation	% from different region/nation	% from neighbouring region/nation
Northern Ireland (155)	99	1	0	98	2	2
Scotland (314)	96	4	0	92	8	2
Wales (206)	93	7	5	91	9	6
North East (314)	97	3	1	87	13	13
North West (371)	88	12	12	87	13	12
Yorkshire and the Humber (291)	86	14	14	85	15	13
South West (364)	85	15	11	82	18	17
East Midlands (275)	74	26	23	69	31	27
West Midlands (216)	82	18	16	68	32	24
East of England (235)	63	37	27	67	33	26
London (284)	71	29	25	63	37	30
South East (306)	58	42	38	61	39	36

Unweighted bases for 2015 in parentheses

The majority of construction workers were interviewed on a site that was located within the same region/nation as their current residence, but the exact proportion working in their region of residence varied.

Construction workers in Yorkshire and the Humber are again, fairly 'average' in terms of how likely they are to currently be living in the same region/nation as the site they work on (86%).

¹ This percentage includes those travelling to and from a neighbouring region.



Figure 48: Region/nation of current site in relation to current residence

Base: All respondents who provided a valid response *denotes less than 0.5%

Region/nation of current residence	Region/nation currently working in											
	EM %	EE %	GL %	NE %	NW %	NI %	SC %	SE %	SW %	WA %	WM %	YH %
East Midlands	74	12	1	1	0	0	0	9	*	0	2	7
East of England	2	63	13	0	0	0	0	8	1	0	1	0
London	0	12	71	0	0	0	0	12	1	0	0	0
North East	0	2	0	97	0	0	0	0	0	0	0	5
North West	3	0	0	0	88	0	0	1	*	5	3	2
Northern Ireland	2	*	0	0	0	99	2	1	1	1	0	0
Scotland	0	0	1	1	1	0	96	0	0	0	0	0
South East	3	3	12	0	0	0	0	58	7	0	0	0
South West	*	0	0	0	0	0	0	8	85	0	5	0
Wales	0	1	0	*	3	0	0	0	2	93	6	0
West Midlands	7	1	*	1	8	0	0	1	2	0	82	0
Yorkshire and the Humber	8	1	0	*	1	0	1	0	1	0	*	86
No permanent address	1	3	2	0	0	1	1	1	1	*	*	0
Unweighted bases	275	235	284	314	340	155	314	306	364	206	216	291

Furthest distance worked in last 12 months

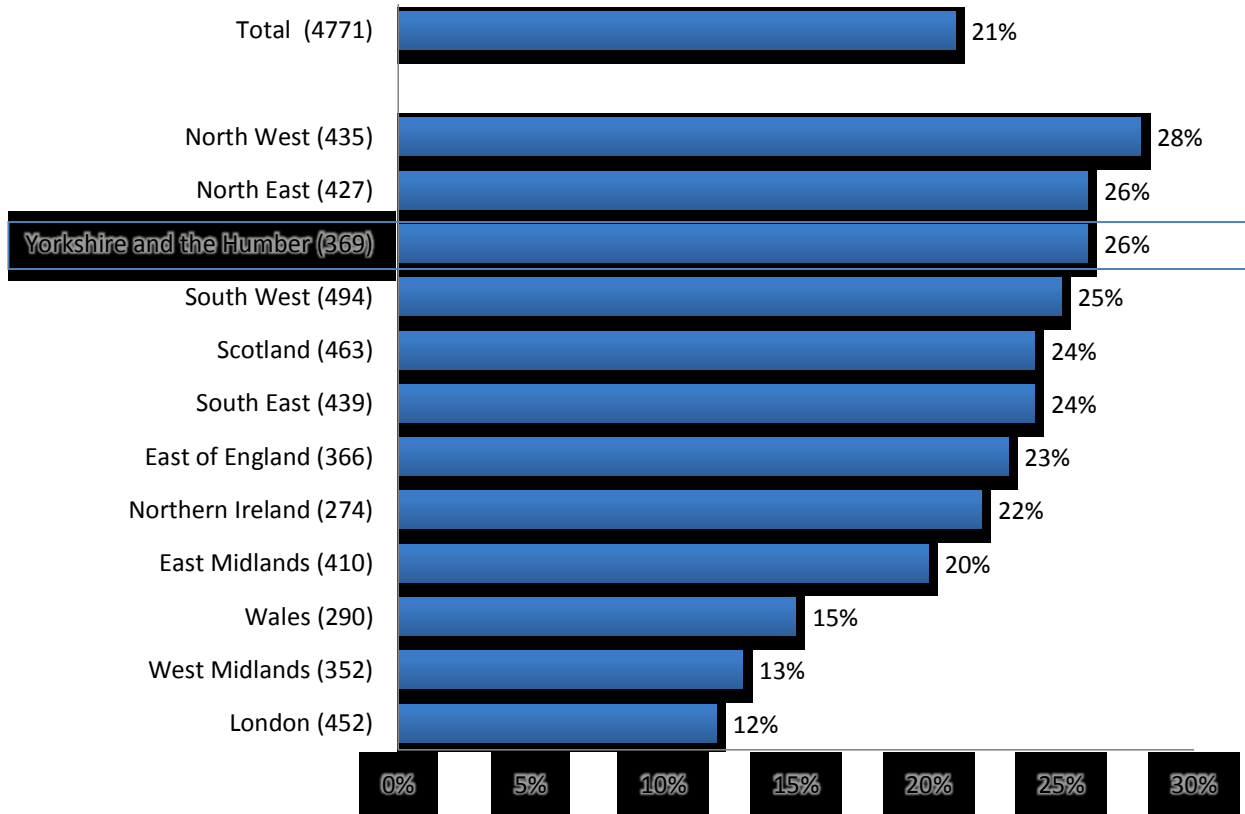
All workers were asked to indicate the furthest distance they have worked from their permanent or current home in the last 12 months. Within Yorkshire and the Humber, 1 in 7 construction workers have worked no more than 20 miles away (15%) and 3 in 10 have worked between 21 and 50 miles away (30%). This leaves more than half that have worked more than 50 miles away from their permanent home (53%), with more than a quarter that have worked between 51 and 100 miles away (27%) and a similar proportion that have worked more than 100 miles away (26%).

Once again there are geographic variations in this regard, with workers based in Yorkshire and the Humber being amongst those most likely to have travelled more than 100 miles from their permanent home to work in the last 12 months.



Figure 49: Proportion of workers that have travelled more than 100 miles from their permanent home to work, in the last 12 months, by region/nation

Base: All respondents



Unweighted bases in parentheses

Use of temporary accommodation

Nationally, one in twenty (6%: as in 2012) construction workers reported that they were currently staying in temporary accommodation while working at their site. By region/nation, the proportion is slightly lower than average in Yorkshire and the Humber (4%), a similar proportion to that in the 2012 survey (3%).



Figure 50: Percentage of workers in temporary accommodation
Base: All respondents

	UK 2015 %	UK 2012 %
UK (4771)	6	6
East of England (366)	11	7
London (452)	8	5
Scotland (463)	7	6
South West (494)	7	3
South East (439)	6	8
East Midlands (410)	5	7
North East (427)	4	7
Wales (290)	4	1
Yorkshire and the Humber (369)	4	3
Northern Ireland (274)	3	1
West Midlands (352)	3	11
North West (435)	2	5
<i>Unweighted bases for 2015 in parentheses</i>		

Journey distance to work

Within Yorkshire and the Humber, the average (mean) distance from workers' current residence (taking into account temporary residences) to their current site was 19 miles which is less than the average of 22 miles reported in 2012. The Yorkshire and the Humber mean compares to a mean of 22 miles across the UK.

More than a third (36%) travelled less than 10 miles from their current residence to the site they work, whilst 31% travelled between 10 and 19 miles, 30% travelled between 20 and 49 miles, 3% travelled between 50 and 99 miles and none travelled more than 100 miles.

Site duration and change

Expected site/phase duration

All construction workers who are currently employed on a temporary basis (23% of all construction workers in Yorkshire and the Humber) were asked how much longer they expect to be working for the company/person/agency paying them. In summary, 4% expect to work for another week or so, or less; 1% expect another month; 4% about 3 months; 24% between 6 months and a year and 14% expect to still be working for their current company/agency in more than a year's time. More than half of all temporary workers in the region did not know how much longer they could expect to be working for their current company/agency (54%).

In order to get a measure of workplace stability amongst all workers, all respondents, whether temporary or permanent were asked to indicate how long in total they expect to work at that specific site during this phase.



A fifth of all construction workers in Yorkshire and the Humber (20% cf. 25% in 2012) do not expect to work on that site for more than a month, including 9% that only expect to be there for about a week or less. About a fifth anticipated being on site for more than a month, but less than a year (21%), compared with a significantly higher proportion in 2012 (51%). Three in ten expect to stay on that site for a year or longer (29%), which is a significant increase compared with 2012 (13%), suggesting more stable employment than in 2012. However a further three in ten (30% cf. 12% in 2012) workers did not know how much longer they could expect to be on site, indicating that a significant minority of temporary workers are living with a certain amount of uncertainty and insecurity.

The youngest workers, aged 16-19 are also more likely to be unsure of how much longer they can expect to work for (31% don't know).

Amongst the various trades/job roles, site managers are more likely to indicate that they expect to work at that site for more than a year (54%); dryliners*, roofers* and plasterers* are least likely to indicate that this is the case (none in each). (*Caution: low sample base.)

Expected next site location

More than three quarters of all construction workers in Yorkshire and the Humber are confident that when they finish this job they will get a job that allows them to travel from their permanent home to work on a daily basis (78% cf. 81% in 2012). Most of the remainder say it depends on where they are sent/where the work is (15%); with 5% saying they do not know and 3% saying they are sure that this will not be the case.

Construction workers who have worked in construction for the longest period of time are more likely to be confident of this (79% of those who have worked in the industry for 5+ years and 87% for 3 to 4 years, cf. 59% of those who have worked in construction for under a year and 55% for 1 to 2 years). By trade/occupation, plant/machine operatives* (94%), plumbers* (92%) and painters/decorators* (92%) are most confident. (*Caution: low sample base.)

Workers that are certain that their next job will not be within commuting distance of their permanent home were asked to indicate which region/nation they expect to be working in next. The following figure summarises their responses by region/nation (although the base sizes within each region/nation are very small, so some caution is needed) and it gives an indication of the likely pattern of movement between regions/nations.



Figure 51: Expected location of next site/job

Base: Where workers do not expect to be able to commute daily to their next job

Expected location of next job	Region/nation currently working in											
	EM	EE	GL	NE	NW	NI	SC	SE	SW	WA	WM	YH
East Midlands	61	0	0	0	0	0	0	14	0	0	0	0
East of England	0	40	15	0	0	0	0	7	0	6	8	10
London	6	20	60	10	0	0	0	14	0	6	0	0
North East	0	6	0	85	0	0	0	0	0	0	0	20
North West	6	3	0	0	83	8	0	0	0	6	0	0
Northern Ireland	0	0	0	0	0	69	0	0	0	0	0	0
Scotland	0	0	0	0	0	0	75	0	8	0	0	0
South East	11	6	15	0	8	0	0	29	8	6	0	0
South West	0	3	0	0	0	0	0	7	77	6	0	0
Wales	0	3	0	0	0	0	0	0	0	69	8	0
West Midlands	11	9	0	0	0	0	0	0	8	0	58	10
Yorkshire and the Humber	0	3	0	0	0	0	0	0	0	0	0	50
Outside Europe	0	3	0	0	0	8	0	7	0	0	0	0
Other / Unsure	6	6	10	5	8	15	25	21	0	0	25	10
<i>Unweighted bases</i>	<i>18</i>	<i>35</i>	<i>20</i>	<i>20</i>	<i>12</i>	<i>13</i>	<i>12</i>	<i>14</i>	<i>13</i>	<i>16</i>	<i>12</i>	<i>10</i>

Sub-sector and sector mobility

This final section of the report explores sub-sector mobility (movement between project types within the construction sector) and how this varies between different groups of construction workers. Attitudes towards future employment in the sector are also examined.

Sub-sector mobility

All workers were asked which (if any) of six types of construction work they have spent periods of at least 3 months at a time working in.

Compared with 2012 there has been a significant increase in the proportion of construction workers that have been working on new housing within Yorkshire and the Humber; up from 61% to 85%. For all other types of projects the proportion of construction workers that have worked on them has fallen since 2012. In 2012 at least two thirds had worked on commercial work (72%) or private industrial work (67%), compared with closer to a quarter in each case now (27% and 26% respectively).

Overall more than half of all construction workers have only worked on one project type (55%), compared with a fifth in 2012 (19%), which again suggests a pattern of increased stability in the sector.



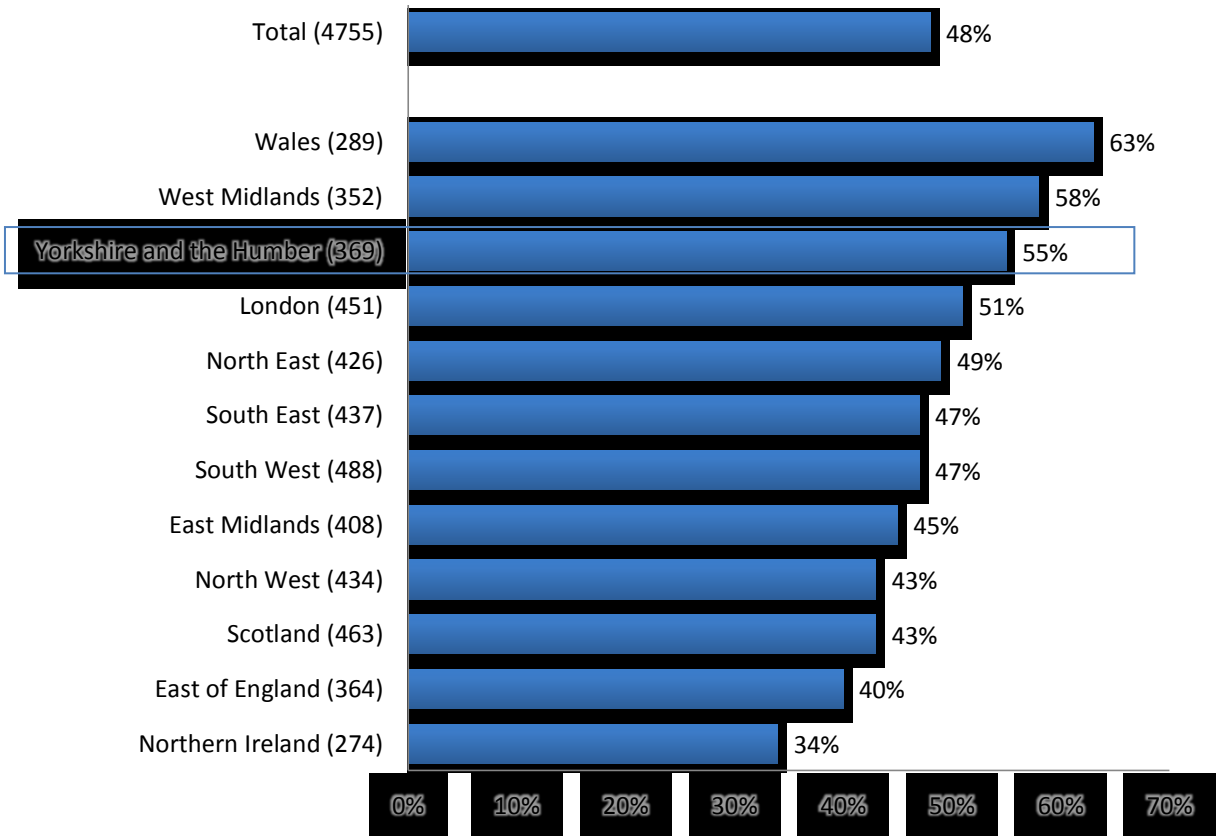
Figure 52: Type of projects spent significant periods on
Base: All respondents

	YH 2015 %	YH 2012 %	YH 2007 %	UK 2015 %
New housing	85	61	69	83
Housing repair and maintenance including extensions/loft conversions	29	49	32	36
Commercial work such as shops, office, pubs etc	27	72	34	35
Private industrial work such as factories, warehousing, mechanical engineering, land reclamation	26	67	26	30
Public non-housing work such as schools, sports facilities, landscaping	33	63	29	33
Infrastructure building projects, such as road/rail/airport, sewerage/water treatment, power stations	20	26	9	21
ONE TYPE ONLY	55	19	49	48
TWO TYPES	13	19	17	14
THREE TYPES	10	14	14	11
FOUR TYPES	6	15	8	8
FIVE TYPES	8	18	8	9
SIX TYPES	8	15	1	9
<i>Unweighted bases</i>	<i>369</i>	<i>399</i>	<i>235</i>	<i>4771</i>

The number of project types worked on varies significantly by region/nation, as Figure 53 illustrates. Yorkshire and the Humber as a region is amongst those most likely to report its' construction workers working on one project type (55%). Only Wales (63%) and the West Midlands (58%) have higher proportions.



Figure 53: Proportion of workers that have only worked on one project type
Base: All respondents



Unweighted bases in parentheses

The likelihood that workers have worked only on one project type declines, as age increases, as one would expect (from 94% of 16 to 19 year olds to 42% of 45+ year olds). By current trade/occupation, dryliners* (100%), banksmen/banspersons* (88%) and scaffolders* (78%) are most likely to have only worked on one project type, while plumbers* (17%), painter/decorators* (38%) and plant/machine operatives* (44%). (*Caution: low sample base.)



Figure 54: Number of sub-sectors worked in, by occupation

Base: All respondents *caution: small sample base

	Unweighted bases	1 type %	2 types %	3 types %	4 types %	5 types %	6 types %
Dryliner*	1	100	0	0	0	0	0
Banksman / Banksperson*	8	88	13	0	0	0	0
Scaffolder*	18	78	22	0	0	0	0
Labourer / Gen. Op.	60	67	13	7	7	3	3
Electrician*	5	60	0	20	0	20	0
Bricklayer	84	57	13	6	1	13	8
Plasterer*	9	56	0	11	0	22	11
Carpenter / Joiner	24	54	0	4	13	21	8
Roofer*	4	50	25	0	0	0	25
Site manager	28	46	14	11	14	7	4
Plant / Mach. Op.	32	44	9	19	9	9	9
Painter / decorator*	13	38	23	15	0	0	23
Plumber*	12	17	25	33	8	0	17

Leaving the sector

In order to assess the potential outflow from the sector in the next five years (led by worker preference), all workers were asked how likely it is that in 5 years time they will still want to be working in construction. Within Yorkshire and the Humber, just under half the construction workers say they definitely will be (45%); a further 4 in 10 think it is very or quite likely (40%); 1% consider it unlikely; just 2% say they definitely won't be and a further 3% hope to be retired by then, while 5% don't know.

Excluding those aged 60 and over (as those over 60 may be assumed to be considering retirement in the next 5 years): 47% believe they will definitely want to be working in the construction sector, 28% believe it is very likely they will want to be working in the construction sector and 12% believe it is quite likely they will want to be working in the construction sector. Only 6% think on any level that they will not want to be working in the construction sector in 5 years time which is less than in 2012 (7%).



Yorkshire and the Humber construction workforce 2014-15 summary

Across the wide range of issues covered within the 2015 survey it seems there are a number of signs of increased stability amongst the UK construction workforce and this is reflected in Yorkshire and the Humber.

There has also been an increase in the proportion of Yorkshire and the Humber construction workers that expect to stay on the site they are currently working on for a year or longer (from 13% to 29%).

In terms of project type there has also been increased stability, with more than half of all construction workers in Yorkshire and the Humber that have worked on just one project type (55%), compared with a fifth in 2012 (19%). The proportion of workers that have worked on new housing is also up, from 61% to 85%, which reflects more confidence in the sector.

Some uncertainty does however remain with over half of temporary workers not knowing how much longer they can expect to be working for their current employer/agency (54%) and 3 in 10 workers not knowing how much longer they can expect to be on their current site (30%).

In terms of skills and qualifications it is encouraging to note that virtually all workers continue to hold some form of skill card or certificate, with this proportion being on a par with the UK average in Yorkshire and the Humber (97%, compared with 96%).

More than two thirds of all construction workers in Yorkshire and the Humber (68%) hold some form of qualifications and this proportion is significantly higher than the UK average (of 63%). In particular, there has been a significant increase in the proportion of workers with Apprenticeships since 2012. Two thirds of all construction workers in Yorkshire and the Humber hold qualifications equivalent to Level 2 or above (66%) and they are above the national average in this respect (58%).

Around one in seven Yorkshire and the Humber construction workers are currently working towards a qualification and 1 in 10 believes they would benefit from training in basic skills.

In terms of mobility an increased proportion of construction workers have worked within Yorkshire and the Humber for their entire construction career (39% cf. 36% in 2012). In the majority of cases (82%) workers' last construction sites were in Yorkshire and the Humber.

A quarter of Yorkshire and the Humber construction workers (26%) have travelled 100+ miles to construction sites for work in the last 12 months and compared with workers in other regions/nations, they are more likely than average to have done so. However, just 4% of workers remain in temporary accommodation.



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