

REPORT TO: Education Committee

MEETING DATE: 13 June 2017

BY: Depute Chief Executive (Resources and People Services)

SUBJECT: Insight National Benchmarking Measures to 2016

1 PURPOSE

- 1.1 To inform the Committee of trends in attainment and achievement of school leavers in East Lothian using the “National Benchmarking Measures” from Insight.

2 RECOMMENDATIONS

- 2.1 The Committee is asked to consider and note the contents of the report.

3 BACKGROUND

- 3.1 Each year young people in secondary schools in East Lothian achieve a range of awards and qualifications available on the Scottish Credit and Qualifications Framework (SCQF) at different stages throughout the senior phase (S4 to S6).
- 3.2 The Scottish Government developed a statistical benchmarking tool ‘Insight’ to assist schools and local authorities in the analysis of attainment of young people in the senior phase through nationally agreed benchmarking measures and course breadth and depth data. General information on the “Insight” tool is available online at: <http://www.gov.scot/Topics/Education/Schools/curriculum/seniorphasebenchmarking>
- 3.3 As well as providing the national average, Insight also uses a Virtual Comparator for each school and Education Authority and is considered to be the key benchmark for helping schools and authorities understand their strengths and areas for improvement. The Virtual Comparator takes the characteristics of each pupil in East Lothian and matches them to 10 similar pupils from schools in other local authorities across Scotland.

- 3.4 This report will explore how the Education Authority has performed over the five-year period since 2012 to 2016 in relation to the national average and its Virtual Comparator focusing on the four nationally agreed “National Benchmarking Measures” from Insight:
- **Increasing post-school participation** (shown as the percentage of School Leavers in a Positive Destination)
 - **Improving attainment in literacy and numeracy** (shown as the percentage of School Leavers attaining Literacy and Numeracy)
 - **Improving attainment for all** (shown as the Average Total Tariff Score of School Leavers)
 - **Tackling disadvantage** by improving the attainment of lower attainers relative to higher attainers (shown as the Average Total Tariff Score versus Deprivation)
- 3.5 These four national measures focus on the total cumulative achievements recorded at the point at which the young person leaves school. The leavers' cohort is the most important since it is the most consistent point of comparison given the various routes and pathways available to schools for using with their young people as they progress through the senior phase. Course breadth and depth data for school leavers is also provided in the appendix to this report.
- 3.6 Comparison of measures over time in Insight should be treated with caution as earlier years' figures relate to different qualifications, assessment arrangements and progression pathways, including where early S3 presentations took place in East Lothian. The dual presentation of old and new qualifications across the SCQF Levels in previous academic sessions and different approaches to presentation and delivery makes direct comparisons of attainment between 2016 and previous years extremely complex both nationally and locally. Breadth and depth measures are heavily influenced by a school's curricular model therefore the 2014 to 2016 results may not be fully comparable with previous years.
- 3.7 The data in this report is taken from the February 2017 release of Insight and reflects the most up to date position on school leaver's attainment.
- 3.8 The reports in Insight are based on SQA attainment and include the results of completed National Courses and Skills for Work and Personal Development courses that are sent to SEEMiS from the SQA. College presentations are also included as are D awards or other achievements from ungraded National Certificates and National Progression Awards.
- 3.9 The main highlights for East Lothian are provided in paragraphs 3.10 to 3.15 overleaf. A detailed breakdown of East Lothian's performance in each of the National Benchmarking Measures is provided in **Appendix 1**

East Lothian Performance to 2016

- 3.10 Overall, the four National Benchmarking Measures reported by the Scottish Government Insight tool in the February 2017 update indicate that attainment and post school participation in East Lothian has improved overall over the five-year period to 2015/16 but that further improvements could still be made, particularly in Literacy & Numeracy at SCQF Level 5 and in relation to closing the attainment gap. The key points from each benchmarking measure are:
- 3.11 **Increasing Post-School Participation** – The percentage of East Lothian school leavers entering an initial positive destination shows an overall improved trend, increasing by 1.7 percentage points on the previous year in 2016 to 93.5% and five percentage points overall since 2012. Since 2013 the percentage gap between East Lothian and its Virtual Comparator has reduced from 2.4% to 0.2% and in 2016 East Lothian's performance was just above the national average of 93.3%. As with the national average there are typically fewer school leavers living in the 30% most deprived areas entering an initial positive destination than those from the 30% least deprived areas. Overall the gap in positive destinations between East Lothian leavers from the 30% most deprived areas and the 30% least deprived areas has decreased slightly over the five year period from 11.7 percentage points in 2012 to 8.9 percentage points in 2016 (see *Appendix 1, section 2*).
- 3.12 **Improving Attainment for All** – East Lothian shows a fluctuating but improving trend in the average total tariff scores across the three attaining groups over the last five years. East Lothian's performance has typically been in line with the Virtual Comparator across the five years with the exception of 2012 where Insight testing found that East Lothian's lower performance in the Middle 60% group was statistically significant (see *Appendix 1, section 3*).
- 3.13 **Improving Attainment in Literacy & Numeracy** – The percentage of East Lothian school leavers attaining both Literacy & Numeracy shows an improving trend over the five years at both SCQF Levels 4 and 5. East Lothian's performance at SCQF Level 4 has typically been in line with the Virtual Comparator over the five-year period and shows a 3% increase in 2016 on the previous year to 88.1% just above the Virtual Comparator (87.4%) but not statistically significant. East Lothian's performance at SCQF Level 5 in 2016 also shows an improvement on the previous year, increasing by 9.2% to 60.9%, its highest performance over the five-year period but lower than the Virtual Comparator (65.4%). Further improvements still need to be made at SCQF Level 5 to bring young people's performance in line with those with similar characteristics. East Lothian's performance at SCQF Level 5 has fluctuated year on year with Insight testing finding East Lothian's performance in 2014 and 2016 lower than the Virtual Comparator and much lower in 2015 as statistically significant (see *Appendix 1, section 4*).

- 3.14 **Attainment versus Deprivation** – East Lothian’s average tariff scores across the deciles at each stage over the five-year period show that they are roughly in line with the Virtual Comparator with the exception of school leavers living in SIMD decile 9 in 2012 and 2016 where Insight found the scores to be much lower and lower than the Virtual Comparator respectively. As with the national average and the Virtual Comparator, school leavers living in the most deprived areas typically have a lower total tariff score on average than those living in the least deprived areas (*see Appendix 1, section 5*).
- 3.15 **Breadth and Depth data** - East Lothian's performance in 2016 across the reported breadth and depth measures shows an increase on the previous year to East Lothian's highest performance to date and an overall improved trend over the five-year period. The most significant increases have been in the ‘% attaining 5 or more awards at Level 5’, ‘3 or more awards at Level 6’ and ‘5 or more awards at Level 6’, all increasing by 5 to 6 percentage points bringing the authority performance in 2016 more in line with its Virtual Comparator. Further improvements could still be made particularly in the ‘1 or more awards at Level 6’ measure to bring it more in line with the Virtual Comparator.
- 3.16 **Closing the Attainment Gap** – As with the national average, East Lothian school leavers living in the 30% most deprived areas typically have lower attainment compared to those living in the least deprived areas. The attainment gap between school leavers living in the 30% most deprived areas and those in the 30% least deprived areas is wider at higher levels of qualifications, increasing from 2 percentage points on average at SCQF Level 3 to 42 percentage points on average at SCQF Level 6. Overall the gap shows a slight increase over the last five years at SCQF levels 3 & 4 and a decrease at SCQF Levels 5 & 6.

4 POLICY IMPLICATIONS

- 4.1 There are no direct policy implications associated with this report.

5 INTEGRATED IMPACT ASSESSMENT

- 5.1 The subject of this report does not affect the wellbeing of the community or have a significant impact on equality, the environment or economy.

6 RESOURCE IMPLICATIONS

- 6.1 Financial - none
- 6.2 Personnel - none
- 6.3 Other - none

7 BACKGROUND PAPERS

7.1 Appendix 1 – East Lothian National Benchmarking Measures to 2016

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East Lothian Council - Education Service

East Lothian National Benchmarking Measures 2012 to 2016

1. Background Notes

This report compares the performance of East Lothian school leavers against the Insight National Benchmarking Measures since 2011/12.

- The National Benchmarking Measures provide data on the total pupils' achievements during the senior phase (S4 to S6) recorded at the point at which the young person leaves school. The leavers' cohort will include a mixture of pupils from S4, S5 and S6.
- The attainment figures are taken from the February 2017 release of Insight, based on the 'Latest and Best' achievement of young people in the Senior Phase, and do not include attainment gained prior to S4. The figures only include attainment in SCQF credit-rated qualifications that have been matched to an individual pupil via their Scottish Candidate Number (SCN).
- In East Lothian we operate inclusive schools and there are some pupils who pass examinations at SCQF levels 1 and 2. These levels however are not included in the Insight analysis as key benchmark measures.
- Figures 1 to 8, Tables 1 to 9 and commentary in sections 2 to 5 detail the progress made by East Lothian pupils against the Virtual Comparator and the National Establishment (i.e. national average) over the last 5 years for each National Benchmarking Measure. Figures 9 to 12 and Tables 10 to 11 and commentary in section 6 detail the progress in relation to Breadth and Depth data. Figures are provided in most cases for both the National Establishment and the Virtual Comparator, however, the Virtual Comparator is seen as the key benchmark for helping schools and Education Authorities understand their strengths and areas for improvement.
- The Virtual Comparator takes the characteristics of each pupil in East Lothian and matches them to 10 pupils with similar characteristics from schools in other local authorities across Scotland offering a fairer comparison.
- When the cohort being compared relates to a small number of pupils (less than 20 pupils as a rule of thumb provided by the Scottish Government), the trends are more likely to fluctuate over time and, therefore, are less likely to be significant.
- Data is suppressed where it relates to a cohort or part of a cohort of fewer than five pupils to prevent the identification of individuals.
- Where Insight testing has found that comparisons between the East Lothian performance and its Virtual Comparator is statistically significant and large enough to be considered of important educational value, this information has been included in the commentary in sections 2 to 5 of this document. The following graded shading is also used in tables to visualise where Insight testing has found the comparisons to be significant:

Colour Shading	East Lothian's performance relative to Virtual Comparator (VC)
	much greater than VC
	greater than VC
	lower than VC
	much lower than VC

- The significance of comparisons is not currently tested in Insight for attainment by pupil characteristic, e.g. looked after (LAC), additional support needs (ASN) or for SIMD (Scottish Index of Multiple Deprivation). It is also not currently tested for course measures.
- Comparison of measures over time in Insight should be treated with caution as earlier years' figures relate to different qualifications, assessment arrangements and progression pathways, including where early S3 presentations took place.
- In most tables, three-year averages, a five year net score or percentage point change and five year 'Trend' are presented with the annual performance. This provides an indication of an overall declining or improving trend by East Lothian schools in relation to the Virtual Comparator. The net change is the sum of the score or percentage point difference from one year to the next over the five-year period. The 'Trend' is the average annual percentage or score point change over the number of years given. A positive value (coloured green) indicates an improving trend on average over the period and a negative value (coloured red) indicates a declining trend.

2. National Benchmarking Measure: Increasing Post-School Participation (Initial Destinations)

The 'Increasing Post-School Participation' measure features as one of the strategic long-term outcome indicators in Outcome 4 of East Lothian's Single Outcome Agreement, with a focus on all school leavers and looked after (LAC) school leavers. It also features as an indicator in Contributory Outcome 4.1 with a focus on school leavers with an additional support need (ASN).

Figure 1 and Table 1 below detail the progress made by East Lothian against its Virtual Comparator and the National Establishment in relation to the percentage of all school leavers in an initial positive destination (i.e. approximately three months after leaving school).

Figure 1: Percentage of all school leavers in a positive destination (initial destinations) since 2011/12

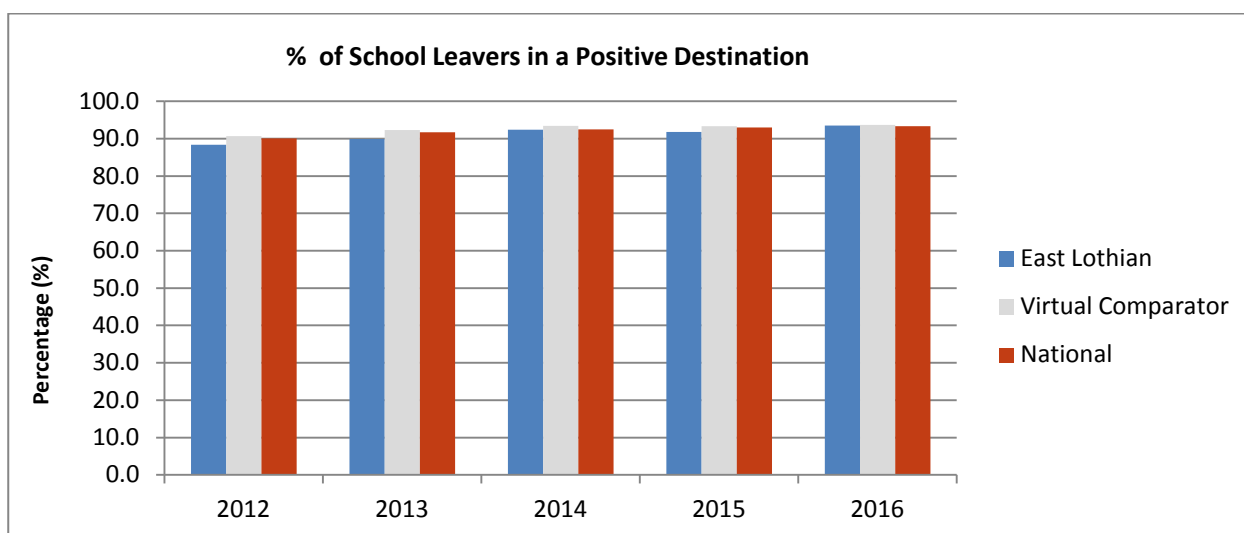


Table 1: Percentage of all school leavers in a positive destination (initial destinations) since 2011/12

Establishment	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian	88.4	90.0	92.4	91.8	93.5	92.6	1.7	1.29	5.2
Virtual Comparator	90.7	92.3	93.5	93.3	93.7	93.5	0.4	0.75	3.0
National	90.1	91.7	92.5	93.0	93.3	93.0	0.3	0.80	3.2

Comments on Table 1:

- 93.5% of all school leavers in East Lothian went into a positive destination in 2016, an increase of 1.7% on the previous year, slightly above the national average (93.3%) and slightly below our Virtual Comparator (93.7%). The % of school leavers in East Lothian entering an initial positive destination shows an improved trend over the five years, increasing by 5 percentage points overall since 2012.
- Since 2011/12 the percentage gap between East Lothian and the Virtual Comparator has reduced by more than 2 percentage points. While East Lothian’s performance is considered lower than the Virtual Comparator in 2012 and 2013, Insight testing did not find any significant comparisons between East Lothian’s performance and the Virtual Comparator over the last 3 years.

Table 2 below details the progress made by East Lothian against its Virtual Comparator and the National Establishment in relation to the percentage of all looked after school leavers who left East Lothian Schools and went into a positive destination.

Table 2: Percentage of all looked after school leavers in a positive destination (initial destinations) since 2011/12

Establishment	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian	80.0	56.5	69.2	52.9	66.7	62.9	13.7	-3.33	-13.3
Virtual Comparator	81.0	82.2	90.0	85.9	81.7	85.9	-4.2	0.17	0.7
National	66.3	70.2	73.3	74.6	73.6	73.8	-1.0	1.82	7.3

Comments on Table 2:

- In 2016, 66.7% of looked after school leavers went into a positive destination, a 13.7% increase on the previous year and a net decrease of 13.3 percentage points overall since 2012. The East Lothian percentage has been typically lower than both the Virtual Comparator and national average over the last four years and has fluctuated widely from year to year due to the small numbers within the looked after cohort.
- The data relating to looked after school leavers in East Lothian is based on small cohorts of between 10 and 23 pupils (approx. 1.5% of the leavers’ cohort on average). Trends are more likely to fluctuate over time and, therefore, are less likely to be significant. Care must be taken when drawing any conclusions about performance over time in relation to looked after pupils.

Table 3 below details the progress made by East Lothian against its Virtual Comparator and the National Establishment in relation to the percentage of school leavers with an additional support need (ASN) who left East Lothian Schools and went into a positive destination.

Table 3: Percentage of school leavers with additional support needs in a positive destination (initial destinations) since 2011/12

Establishment	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian	82.2	79.7	85.9	81.1	85.9	84.3	4.8	0.93	3.7
Virtual Comparator	83.8	88.1	88.3	89.0	88.5	88.6	-0.5	1.16	4.7
National	84.5	87.2	87.4	88.2	88.6	88.1	0.4	1.04	4.1

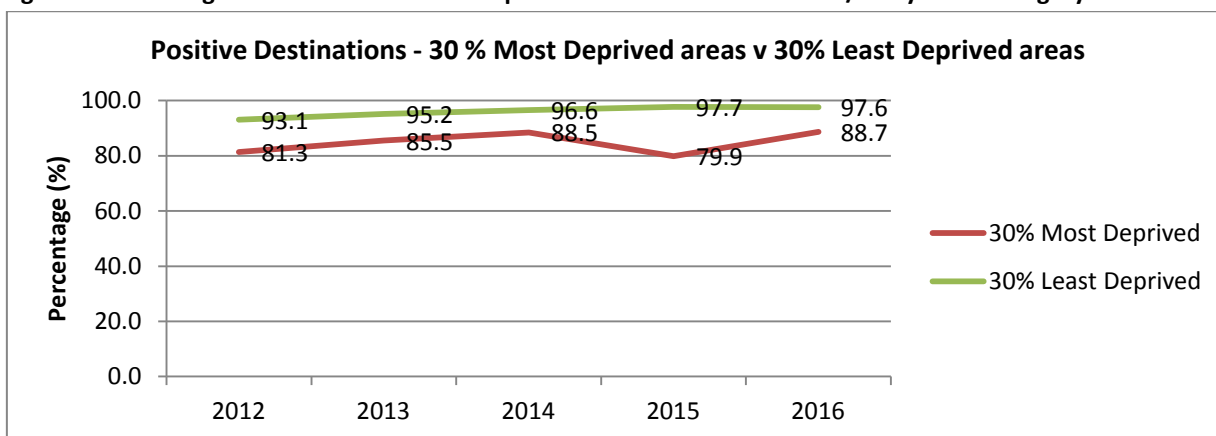
Comments on Table 3:

- In 2016 85.9% of East Lothian school leavers with ASN went into a positive destination, a 4.8% increase on the previous year and a net increase of 3.7 percentage points since 2012. The East Lothian percentage has been typically lower than both the Virtual Comparator and national average over the last five years and shows a fluctuating but overall improved trend. School leavers with an additional support need made up 30% school leavers cohort in East Lothian in 2016.

Initial Leaver Destinations: Closing the Gap

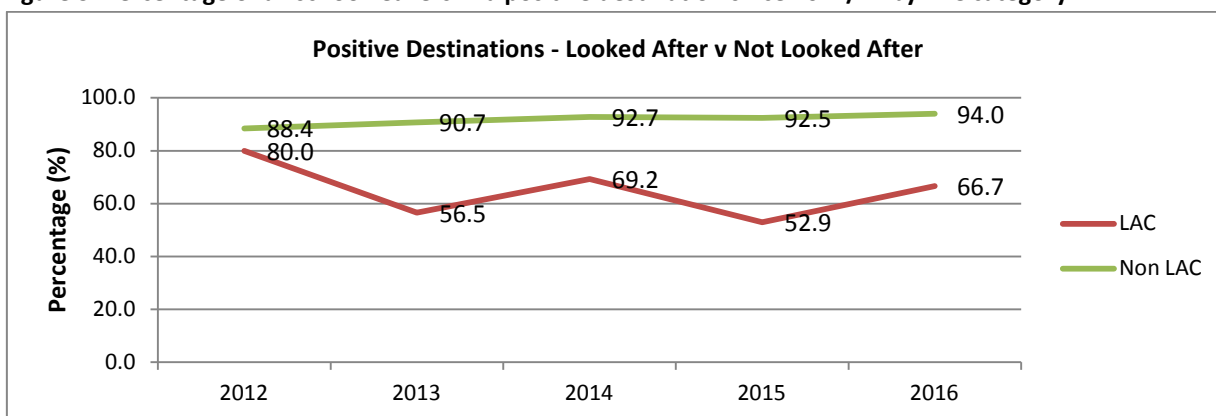
Figures 2 to 4 below show the gap in positive destinations for school leavers in East Lothian by SIMD, looked after and ASN category since 2011/12.

Figure 2: Percentage of all school leavers in a positive destination since 2011/12 by SIMD category



- 88.7% of school leavers living in the 30% most deprived areas went into a positive destination in 2016, an increase of 8.8 percentage points on the previous year. The gap in positive destinations between East Lothian leavers from the 30% most deprived areas and the 30% least deprived areas has fluctuated in East Lothian over the last five years with the percentage of leavers in positive destinations from the 30% most deprived areas between 8% and 18% lower than those from the 30% least deprived areas. Overall, the gap has decreased slightly over the five year period from 11.7% in 2012 to 8.9% in 2016.

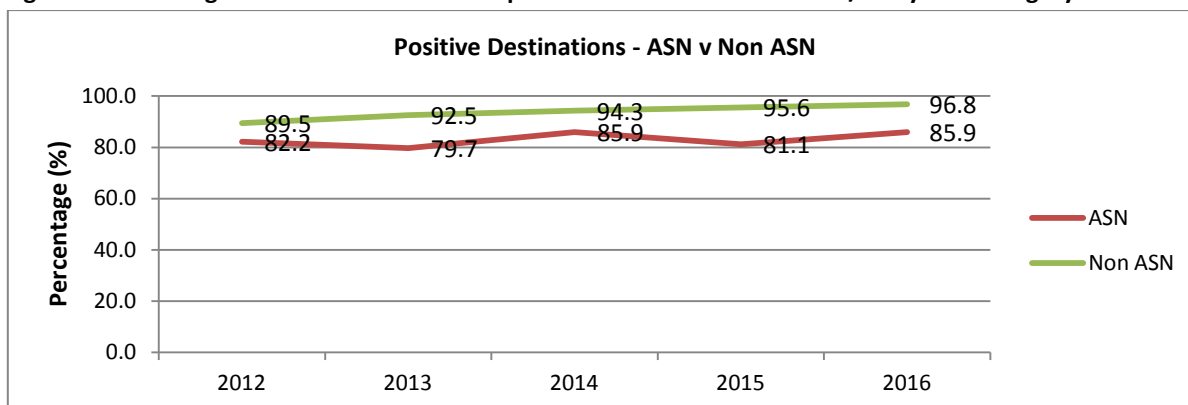
Figure 3: Percentage of all school leavers in a positive destination since 2011/12 by LAC category



- The gap in positive destinations between East Lothian LAC and non LAC leavers in 2016 decreased on the previous year from 39 to 27 percentage points. The gap has fluctuated widely over the last five years as a result of the small cohort with the percentage of looked after

leavers in positive destinations typically between 20 and 40 percentage points lower than those not looked after.

Figure 4: Percentage of all school leavers in a positive destination since 2011/12 by ASN category



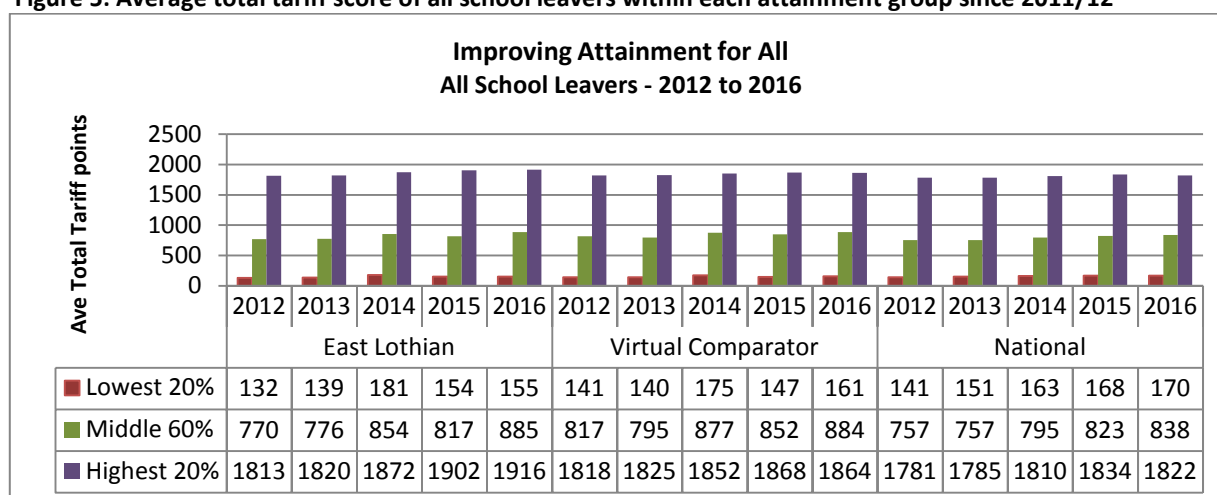
- The gap in positive destinations between East Lothian leavers with ASN and without ASN in 2016 decreased on the previous year from 15 to 11 percentage points. The gap has fluctuated over the last five years with the percentage of ASN leavers in positive destinations between 7 and 15 percentage points lower than those without ASN. Overall, the gap has increased slightly over the five year period from 7.3% in 2012 to 10.9% in 2016.

3. National Benchmarking Measure: Improving Attainment for All

This measure groups school leavers according to their whole-school attainment as measured by their total tariff points into three attainment groups. The three groups are: the lowest-scoring 20 per cent of pupils, the highest-scoring 20 per cent and the middle 60 per cent. For each pupil the tariff score is the total of the tariff points associated with each of the eligible ‘latest and best’ awards they have achieved at the point of leaving school. Awards that have been superseded by the pupil progressing to a higher-level award in the same subject are excluded, as are awards achieved when the pupil was in S1–S3. For example, if a pupil has National 5 English and Higher English then only the points for the Higher are included. These tariff scores are then averaged over all the pupils in the particular attainment group.

The ‘Improving Attainment for All’ measure features as one of the strategic long-term outcome indicators in Outcome 4 of East Lothian’s Single Outcome Agreement, with a focus on all school leavers. Figure 5 below shows the average total tariff score of all school leavers across East Lothian.

Figure 5: Average total tariff score of all school leavers within each attainment group since 2011/12



Comments on Figure 5:

- All three attainment groups in East Lothian show an overall improved trend over the last five years with the Middle 60% and Highest 20% groups both showing an improvement in 2016 on the previous year. The 2016 scores in the Lowest 20% and Middle 60% groups are in line with the Virtual Comparator and the Highest 20% score slightly above the Virtual Comparator.
- The East Lothian performance across the five years has typically been slightly higher than the National average and Virtual Comparator for the Highest 20% attaining group and in line with for the Lowest 20% group. The Middle 60% group has typically had slightly lower scores than the Virtual Comparator but higher scores than the national average.
- Insight testing has found that East Lothian's performance in the Middle 60% group was statistically lower than its Virtual Comparator in 2012 but found no other significant comparisons in other years or for the other attaining groups.

Table 4 below further presents the average point difference between the East Lothian and the Virtual Comparator average total tariff scores within each attainment group over the five-year period. The 'trend' indicator is also provided for each of the attainment groups to show the increase or decrease of the East Lothian average total tariff score over time as well as the East Lothian 3 Year and 5 Year average.

Table 4: Average Point Difference between the average total tariff score for East Lothian and the Virtual Comparator within each attainment group since 2011/12

East Lothian Attainment Group	Average Point Difference between ELC & VC scores					ELC Ave Total Tariff Score			Insight testing found that the following comparisons were significant:
	2012	2013	2014	2015	2016	ELC 3 Yr Ave	ELC 5 Yr Trend	ELC 5 Yr Net (+/-) change	
Lowest Attaining 20%	-9	-1	6	7	-6	163	5.75	23	
Middle Attaining 60%	-47	-19	-23	-35	1	852	28.75	115	<i>ELC Performance is lower than its Virtual Comparator in 2012</i>
Highest Attaining 20%	-5	-5	20	34	52	1897	25.75	103	

4. National Benchmarking Measure: Literacy and Numeracy

Figures 6 & 7 and Tables 5 & 6 that follow detail the percentage of school leavers that achieved Literacy and/or numeracy from 2012 to 2016 to at least SCQF Levels 3 to 6.

Table 7 further breaks this information down separately for Literacy & Numeracy.

To achieve the given level of literacy a pupil needs to achieve the literacy unit at that level, or English or Gaidhlig course at that level. For numeracy the pupil needs to achieve the numeracy unit at that level or a Mathematics or Lifeskills Maths at that level or qualification identified by SQA as having sufficient content to include within the measure.

Figure 6.../

Figure 6: Literacy and Numeracy achievement at SCQF Levels 3 & 4 for all school leavers in each year since 2011/12

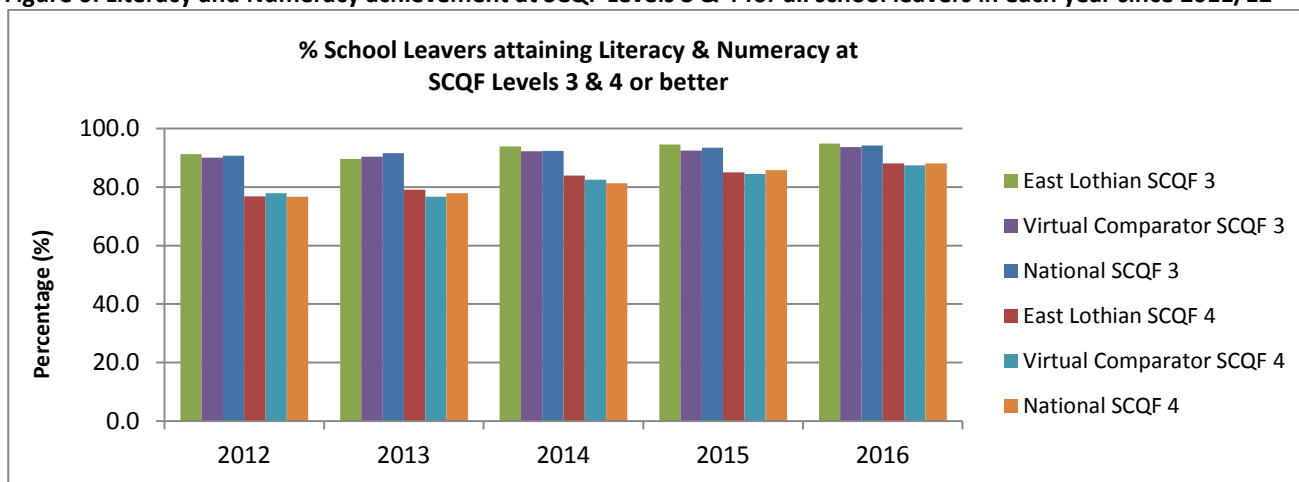


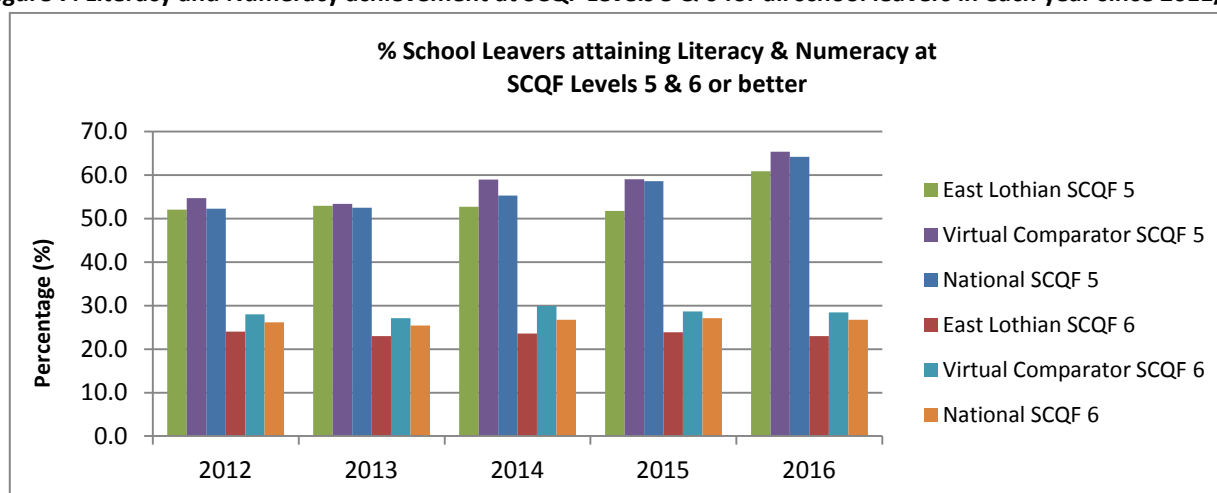
Table 5 - % school leavers attaining both Literacy & Numeracy at SCQF Levels 3 & 4 or better since 2011/12

Establishment	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian SCQF 3	91.2	89.6	93.9	94.5	94.9	94.4	0.4	0.93	3.7
Virtual Comparator SCQF 3	90.1	90.4	92.2	92.5	93.6	92.8	1.2	0.90	3.6
National SCQF 3	90.7	91.6	92.4	93.5	94.2	93.4	0.8	0.87	3.5
East Lothian SCQF 4	76.8	79.1	83.9	85.0	88.1	85.7	3.1	2.83	11.3
Virtual Comparator SCQF 4	77.9	76.6	82.5	84.4	87.4	84.8	3.0	2.38	9.5
National SCQF 4	76.7	77.9	81.2	85.8	88.1	85.0	2.3	2.84	11.4

Comments on Figure 6 and Table 5:

- East Lothian’s performance at SCQF Levels 3 and 4 or better shows an improving trend with both levels showing a percentage increase in 2016 on the previous year to East Lothian highest performance to date.
- East Lothian’s % at SCQF Level 3 and 4 has been typically in line with both the national average and the Virtual Comparator.
- Where the % has been above or below the Virtual Comparator, Insight Testing found that there were no significant comparisons for this measure with the exception of SCQF Level 3 in 2015 where it is considered greater than the Virtual Comparator.

Figure 7: Literacy and Numeracy achievement at SCQF Levels 5 & 6 for all school leavers in each year since 2011/12



Appendix 1 (REVISED VERSION)

Table 6 - % school leavers attaining Literacy & Numeracy at SCQF Levels 5 & 6 or better since 2011/12

Establishment	2012	2013	2014	2015	2016	3 Year Ave	2016 % point change (+/-) on 2015	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian SCQF 5	52.1	52.9	52.7	51.7	60.9	55.1	9.2	2.21	8.9
Virtual Comparator SCQF 5	54.7	53.4	59.0	59.0	65.4	61.1	6.4	2.68	10.7
National SCQF 5	52.2	52.5	55.3	58.6	64.2	59.4	5.6	3.00	12.0
East Lothian SCQF 6	24.0	23.0	23.5	23.9	23.0	23.5	-0.9	-0.26	-1.0
Virtual Comparator SCQF 6	28.0	27.1	29.9	28.7	28.4	29.0	-0.3	0.10	0.4
National SCQF 6	26.1	25.4	26.7	27.1	26.8	26.9	-0.4	0.16	0.6

Comments on Figure 7 and Table 6:

- East Lothian’s performance at SCQF Level 5 or better shows a fluctuating but overall improved trend over the five-year period with the 2016 performance 9% higher than the previous year. The performance at SCQF Level 6 or better shows a relatively static trend at SCQF Level 6 with the 2016 percentage dropping slightly on the previous year.
- East Lothian’s % at both SCQF Level 5 and 6 is typically lower than the Virtual Comparator and national average. Insight Testing found that the following comparisons were significant for this measure:
 - ELC Performance at SCQF Levels 5 is lower than the Virtual Comparator in 2014 & 2016 and much lower in 2015; and
 - ELC Performance is lower than the Virtual Comparator at SCQF Level 6 across years 2012 to 2015 and much lower in 2016.

Table 7: Literacy and Numeracy achievement for all school leavers in each year from 2011/12 to 2015/16

Year	Literacy				Numeracy			
	3+	4+	5+	6+	3+	4+	5+	6+
East Lothian 2011/12	93.5	89.3	66.0	46.3	93.6	79.2	54.9	28.1
2012/13	93.2	90.9	68.2	44.7	93.9	81.4	55.0	26.9
2013/14	96.6	94.1	70.9	45.0	94.7	85.0	56.0	29.9
2014/15	96.6	93.9	69.9	48.4	96.0	86.3	55.7	27.3
2015/16	97.2	94.5	76.9	54.8	96.2	89.8	62.4	26.3
+/- on 2015	0.5	0.6	7.0	6.4	0.2	3.5	6.7	-1.0
3yr ave	96.8	94.2	72.6	49.4	95.6	87.0	58.0	27.8
5yr % net change (+/-)	3.7	5.2	10.9	8.5	2.6	10.6	7.5	-1.8
5yr trend ¹	0.92	1.30	2.73	2.14	0.64	2.64	1.88	-0.45
Virtual Comparator 2011/12	93.6	90.5	68.5	47.5	92.6	79.6	58.3	32.8
2012/13	94.0	90.5	67.1	46.5	92.8	78.3	56.9	31.8
2013/14	95.4	92.8	73.6	51.3	93.9	83.9	62.4	35.0
2014/15	95.2	92.3	73.6	50.1	94.1	86.5	62.6	33.5
2015/16	95.9	93.4	79.0	57.0	95.1	89.1	67.7	31.1
+/- on 2015	0.8	1.1	5.4	6.9	1.0	2.6	5.1	-2.4
3yr ave	95.5	92.8	75.4	52.8	94.4	86.5	64.2	33.2
5yr % net change (+/-)	2.3	2.9	10.5	9.5	2.5	9.5	9.4	-1.7
5yr trend ¹	0.59	0.72	2.62	2.38	0.62	2.38	2.34	-0.41

Appendix 1 (REVISED VERSION)

	Year	Literacy				Numeracy			
		3+	4+	5+	6+	3+	4+	5+	6+
National	2011/12	94.3	90.7	66.1	44.2	93.2	78.3	56.1	31.0
	2012/13	95.0	91.7	66.9	44.3	93.8	79.4	56.1	30.0
	2013/14	95.5	92.3	70.1	46.5	94.1	82.8	59.1	31.7
	2014/15	96.0	93.5	74.6	49.1	95.0	87.5	62.5	31.7
	2015/16	96.4	94.1	79.0	54.6	95.6	89.6	66.8	29.5
	+/- on 2015	0.4	0.5	4.5	5.5	0.6	2.1	4.3	-2.2
	3yr ave	96.0	93.3	74.6	50.1	94.9	86.6	62.8	30.9
	5yr % net change (+/-)	2.1	3.3	13.0	10.4	2.5	11.3	10.7	-1.6
	5yr trend ¹	0.52	0.83	3.24	2.60	0.61	2.83	2.68	-0.39

Comments on Table 7:

- **Literacy Achievement** - East Lothian's performance across SCQF Levels 3 to 6 for Literacy shows an overall improved trend over the five-year period with the 2016 performance showing further improvement on the previous year, particularly at SCQF Level 5 (+7%) and SCQF Level 6 (+6%).
- East Lothian's % performance at SCQF level 3 and 4 has typically been in line with its Virtual Comparator and the national average. Where the % is above or below for East Lothian, Insight found no significant comparisons with the exception of SCQF Level 3 in 2015 and 2016 where East Lothian's performance is considered greater than the Virtual Comparator.
- At SCQF Levels 5 and 6, East Lothian's % performance has typically been below the Virtual Comparator with Insight testing finding the following comparisons significant:
 - East Lothian's Literacy performance at SCQF Level 5 is lower than the Virtual Comparator in each year with the exception of 2013.
 - East Lothian's Literacy performance at SCQF Level 6 is lower than the Virtual Comparator in 2014.
- **Numeracy Achievement** - East Lothian's performance across SCQF Levels 3 to 5 for Numeracy shows an improved trend over the five-year period with the 2016 performance showing further improvement on the previous year, particularly at SCQF Level 5 (+7%) while SCQF Level 6 shows a slight drop of 1%.
- East Lothian's % performance at SCQF Levels 3 and 4 have typically been in line with its Virtual Comparator and in line with or above the national average with Insight testing finding the following comparisons significant:
 - East Lothian's Numeracy performance at SCQF Level 3 is greater than the Virtual Comparator in 2015 and 2016.
- East Lothian's Numeracy performance at SCQF Levels 5 & 6 has typically been lower than the Virtual Comparator across the five-year period. Insight testing has found that the following comparisons were significant:
 - East Lothian's Numeracy performance at SCQF Level 5 across the five years is lower than the Virtual Comparator in 2012 and 2016 and much lower in 2014 and 2015; and
 - East Lothian's performance at SCQF Level 6 is lower across the five years with the performance in 2015 considered to be much lower.

5. National Benchmarking Measure: Attainment Versus Deprivation

This measure considers attainment of candidates at each stage broken down into ten deciles according to the Scottish Index of Multiple Deprivation (SIMD). Decile 1 refers to the attainment of pupils whose postcodes are in the 10% most deprived datazones in Scotland, while decile 10 refers to pupils with postcodes in the top 10% of the least deprived (most affluent) datazones according to SIMD.

The ‘Attainment versus Deprivation’ measure features as an indicator in Contributory Outcome 4.1 of our Single Outcome Agreement with a focus on all school leavers.

Figure 8 overleaf shows the average total tariff scores within each SIMD decile band of all East Lothian school leavers in 2016 compared with the Virtual Comparator. The grey circles in Figure 8 represent the Virtual Comparator and the blue circles represent East Lothian. The circles change in size and broadly represent the proportion of young people from the total cohort appearing in each of the circles. The blue vertical lines represent the range of scores (maximum and minimum) of the leavers within each decile.

The full breakdown of East Lothian’s school leavers’ cohort living within each ten SIMD deciles over the last five years can be viewed in Table 8 below.

Table 8: Percentage of East Lothian school leavers within each SIMD Decile Band since 2011/12

Establishment	Year of leaving	% of Total Cohort within each SIMD Decile Band										
		Total No. in Cohort	Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2011/12	953	*	5%	11%	10%	11%	9%	25%	10%	6%	12%
	2012/13	1036	*	5%	11%	10%	11%	8%	28%	9%	7%	12%
	2013/14	1045		5%	11%	7%	11%	8%	27%	10%	7%	14%
	2014/15	1013		5%	11%	9%	10%	8%	28%	12%	6%	12%
	2015/16	1018		6%	10%	9%	11%	8%	29%	10%	6%	12%
	3 Yr Ave	1025		5%	11%	8%	11%	8%	28%	11%	6%	13%
	5 Yr Ave	1013		5%	11%	9%	11%	8%	27%	10%	7%	12%

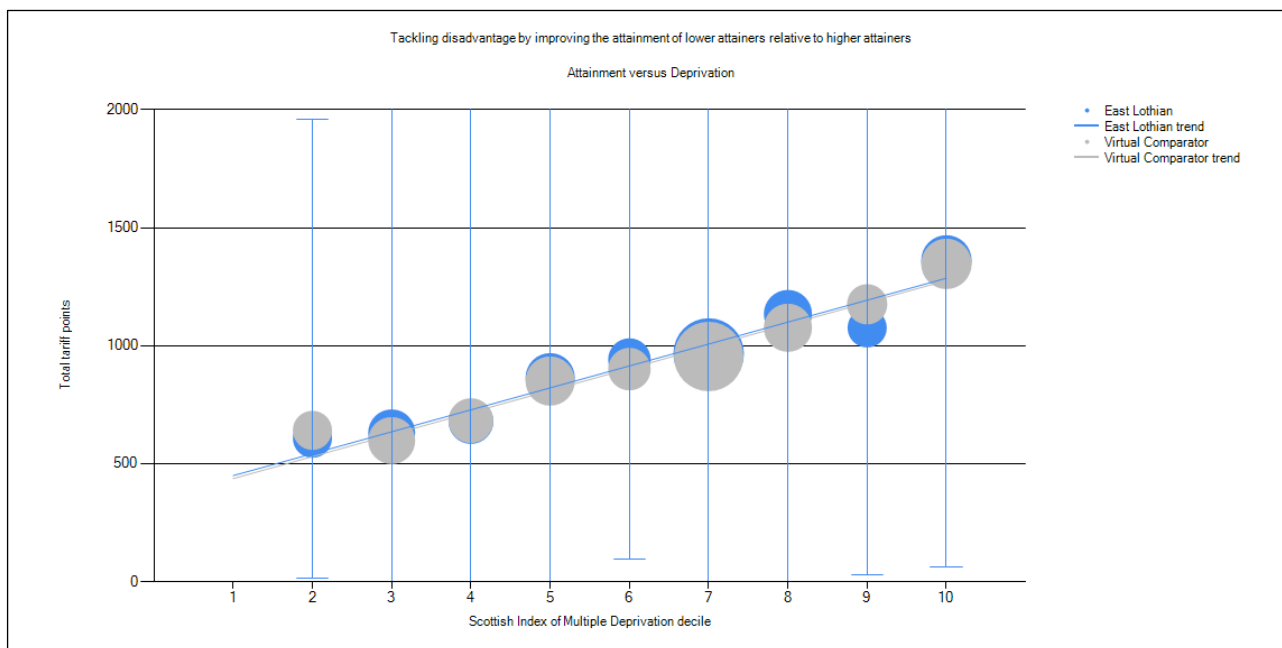
Note: Where the % is based on a pupil cohort of less than 10 but greater than 0, the ‘% of Total Cohort’ has been suppressed with an asterisk (*) to avoid identification of individual pupils.

Comments on Table 8:

- On average 16% of the East Lothian’s school leaver cohort lies within deciles 1-3 (30% most deprived areas in Scotland according to SIMD), 29% within deciles 8-10 (30% least deprived areas in Scotland) and 55% within deciles 4-7 (the remaining middle 40% of SIMD areas).

Figure 8.../

Figure 8: Average total tariff scores of all school leavers in 2015/16 compared with the Virtual Comparator, broken down by SIMD band of residence



Comments on Figure 8:

- The position of East Lothian’s circles in Figure 8 above compared to the Virtual Comparator circles along the trend line would suggest that East Lothian’s performance in 2016 is roughly in line with its Virtual Comparator across the ten SIMD deciles. The exception is SIMD decile 9 where Insight testing considers the East Lothian performance to be statistically lower than the Virtual Comparator.
- It is important to be aware of the numbers of young people appearing in each of these deciles. The circle in decile 9 is relatively small, reflecting the fact that it represents only 6% of the leavers’ cohort in East Lothian in 2015/16.

Table 9 below shows the average total tariff scores within each SIMD decile band for all school leavers in East Lothian since 2011/12 compared with its Virtual Comparator and the national average.

Table 9: Average total tariff scores of the full S4 year group by the end of S6 since 2011/12, broken down by SIMD band of residence

Establishment	Year of leaving	SIMD Decile Band										
		Total No. in Cohort	Most Deprived Decile 1	2	3	4	5	6	7	8	9	Least Deprived Decile 10
East Lothian	2011/12	953	122	549	497	616	734	871	901	1062	898	1275
	2012/13	1036	414	476	573	557	759	736	895	1147	1032	1283
	2013/14	1045		514	724	681	837	803	924	1094	1057	1295
	2014/15	1013		413	585	698	762	906	878	1208	1185	1258
	2015/16	1018		608	631	679	864	941	967	1135	1076	1362
	+/- on 2015	5		195	46	-19	102	35	89	-73	-109	104
	3 Yr Ave	1025		512	647	686	821	883	923	1146	1106	1305
	5yr net change (+/-)			59	134	63	130	70	66	73	178	87
	5 Yr Trend ¹			15	34	16	33	18	17	18	45	34

Establishment	Year of leaving	SIMD Decile Band										
		Total No. in Cohort	Most Deprived Decile 1	2	3	4	5	6	7	8	9	Least Deprived Decile 10
Virtual Comparator	2011/12	9530	285	495	541	666	724	902	958	1035	1019	1289
	2012/13	10360	619	468	584	566	739	785	923	1043	1120	1309
	2013/14	10450	0	572	687	695	883	858	947	1024	1032	1311
	2014/15	10130	215	446	594	735	789	861	940	1104	1107	1306
	2015/16	10180	0	641	598	683	850	901	954	1076	1176	1347
	+/- on 2015	50	-215	195	4	-52	61	40	14	-28	69	41
	3 Yr Ave	10253	72	553	626	704	841	873	947	1068	1105	1321
	5yr net change (+/-)			146	57	17	126	-1	-4	41	157	58
	5 Yr Trend ¹			-71	37	14	4	32	0	-1	10	39

Comments on Table 9:

- East Lothian's performance across the deciles over the five-year period is roughly in line with its Virtual Comparator. Where there are larger variances Insight testing has found the following to be statistically significant:
 - East Lothian's SIMD decile 9 performance is lower than the Virtual Comparator in 2016 and much lower in 2012.
- As with the national average and the Virtual Comparator, school leavers living in the most deprived areas typically have a lower total tariff score on average than those pupils living in the least deprived areas.

5. Course Measures: Leavers Breadth and Depth Trends 2012 to 2016

This section reviews the performance of attainment in SQA graded courses at SCQF Levels 5 to 7 using breadth and depth measures for school leavers across East Lothian since 2011/12.

The breadth and depth measures are heavily influenced by a school's curricular model. In particular, differences between the assessment arrangements for the new National Qualifications at SCQFs Level 3 to 5, compared with the previous Standard Grade qualification, means the 2014 to 2016 and earlier years' data is not directly comparable. Similarly, the mix of existing and new Higher qualifications in 2015 and the variety of progression pathways that candidates would have undertaken for the Higher qualifications means the 2015 and 2016 Higher results may also not be fully comparable with previous years.

The percentages are based on cumulative awards and reflect the number of school leavers achieving at least the given number of SQA national courses at at least the given SCQF level since 2011/12. The percentages are calculated as a proportion of the relevant leaver cohort.

Table 10 overleaf shows the latest and best attainment at the point of leaving school in East Lothian for the following breadth and depth measures:

- 1 or more, 3 or more, and 5 or more awards at SCQF Level 5 (National 5) or better;
- 1 or more, 3 or more, and 5 or more awards at SCQF Level 6 (Higher) or better; and
- 1 or more awards at SCQF Level 7 (Advanced Higher) or better

Table 10 - East Lothian Breadth and Depth Data to 2016

% School Leavers Attaining	2012	2013	2014	2015	2016	2016 % point change (+/-) on 2015	3 Yr Ave (%)	5 Year Trend	5 Yr % Point Net Change (+/-)
1 or more awards at Level 5	80.6%	81.0%	83.8%	83.8%	85.0%	1.2%	84.2%	1.1%	4.4%
3 or more awards at Level 5	66.0%	66.8%	70.1%	67.2%	71.7%	4.5%	69.7%	1.4%	5.7%
5 or more awards at Level 5	54.9%	54.9%	56.9%	51.7%	56.7%	5.0%	55.1%	0.5%	1.8%
1 or more awards at Level 6	55.5%	56.5%	59.7%	59.8%	61.5%	1.7%	60.3%	1.5%	6.0%
3 or more awards at Level 6	41.5%	40.4%	42.6%	41.3%	47.3%	6.0%	43.7%	1.5%	5.8%
5 or more awards at Level 6	28.4%	28.6%	29.1%	26.6%	31.6%	5.1%	29.1%	0.8%	3.2%
1 or more awards at Level 7	18.4%	18.7%	21.5%	19.6%	21.8%	2.3%	21.0%	0.9%	3.5%

Table 11 below further details the percentage point difference between the East Lothian performance and the Virtual Comparator.

Table 11 – ELC % Performance (+/-) Compared to Virtual Comparator

% School Leavers Attaining	2012	2013	2014	2015	2016
1 or more awards at Level 5	-1.5%	-0.7%	-2.2%	0.5%	-0.4%
3 or more awards at Level 5	-3.0%	-0.8%	-3.3%	-2.7%	-0.4%
5 or more awards at Level 5	-2.6%	-0.9%	-4.3%	-5.5%	-1.0%
1 or more awards at Level 6	-3.5%	-0.9%	-2.9%	-0.7%	-2.3%
3 or more awards at Level 6	-1.5%	-1.6%	-3.9%	-3.1%	-0.1%
5 or more awards at Level 6	-0.5%	0.1%	-2.5%	-4.3%	-0.9%
1 or more awards at Level 7	-1.2%	-0.7%	0.9%	-1.0%	0.3%

Comments on Tables 10 and 11:

- East Lothian's performance in 2016 across the reported breadth and depth measures shows an increase on the previous year to East Lothian's highest performance to date and an overall improved trend over the five-year period. The most significant increases have been in the '% attaining 5 or more awards at Level 5', '3 or more awards at Level 6' and '5 or more awards at Level 6', all increasing by 5 to 6 percentage points bringing the authority performance in 2016 more in line with its Virtual Comparator.

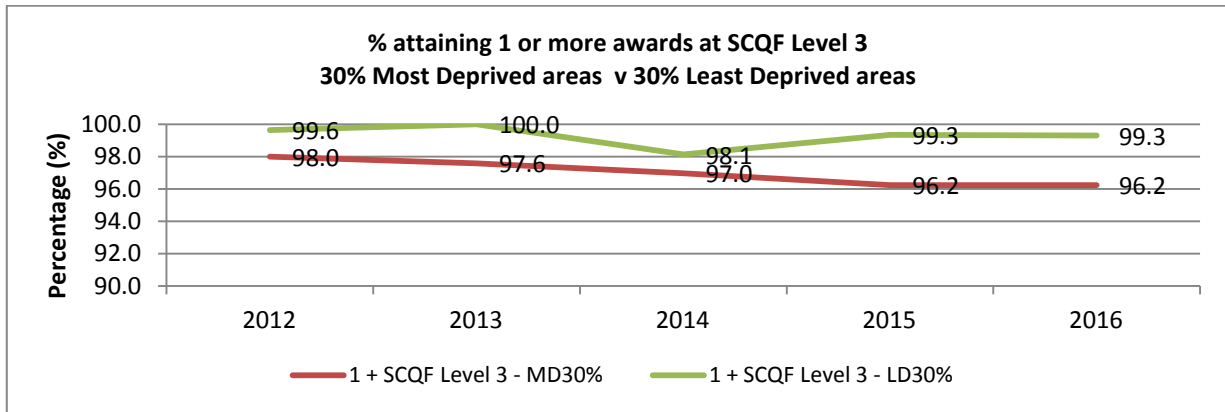
Senior Phase Qualifications: Closing the Gap

School leavers living in the 30% most deprived areas typically have lower attainment compared to those living in the least deprived areas. The attainment gap between school leavers living in the 30% most deprived areas and those in the 30% least deprived areas is wider at higher levels of qualifications. The attainment gap increases from 2 percentage points on average at SCQF Level 3 to 42 percentage points on average at SCQF Level 6.

Figures 9 to 12 that follow detail the gap in attainment at SCQF Levels 3 to 6 for school leavers in East Lothian by SIMD category since 2011/12.

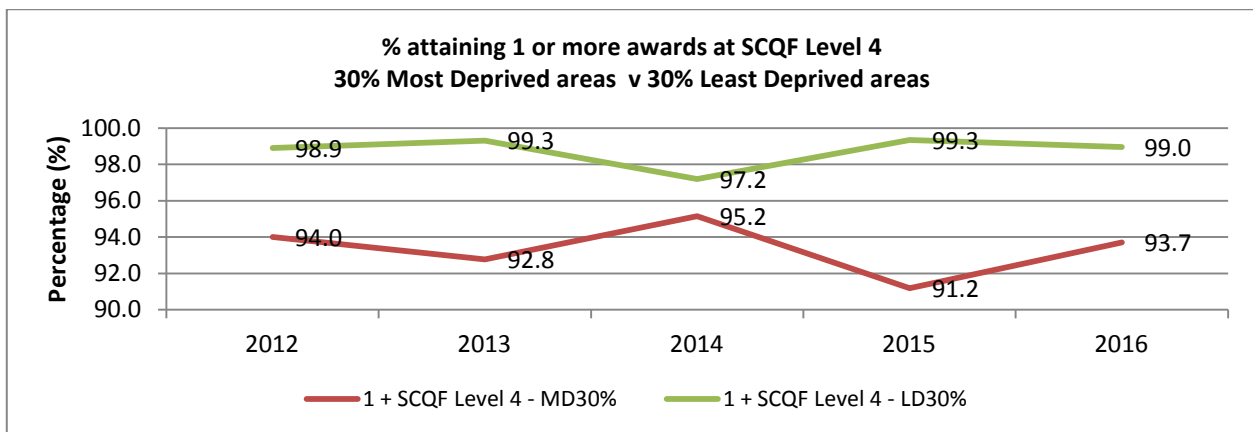
Figure 9.../

Figure 9: Percentage of school leavers attaining 1 or more awards at SCQF Level 3 by SIMD category



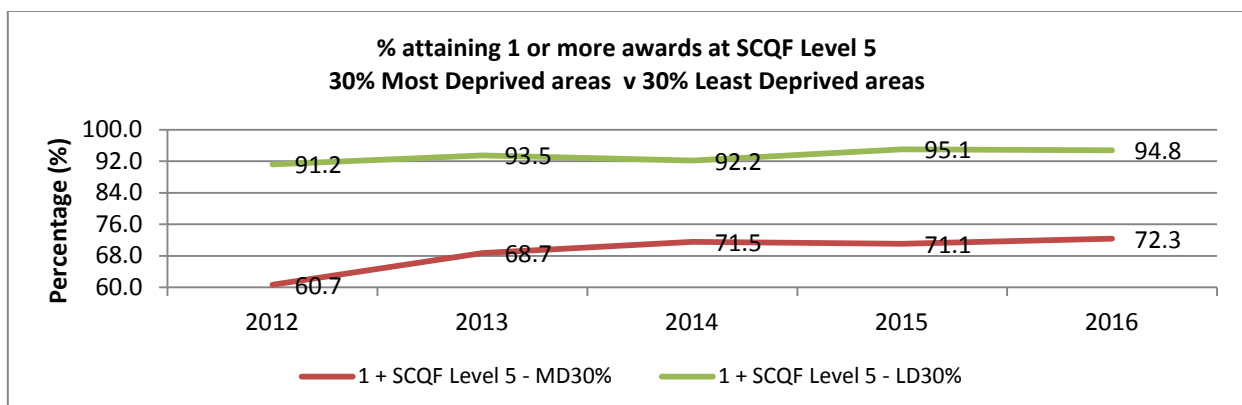
- 96.2% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 3 in 2015/16 and shows a declining trend over the last 5 years. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2016 remained the same as the previous year at 3.1 percentage points and shows an increase over the last five years with the gap increasing from 1.6 points in 2012 to 3.1 points in 2016.

Figure 10: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by SIMD category



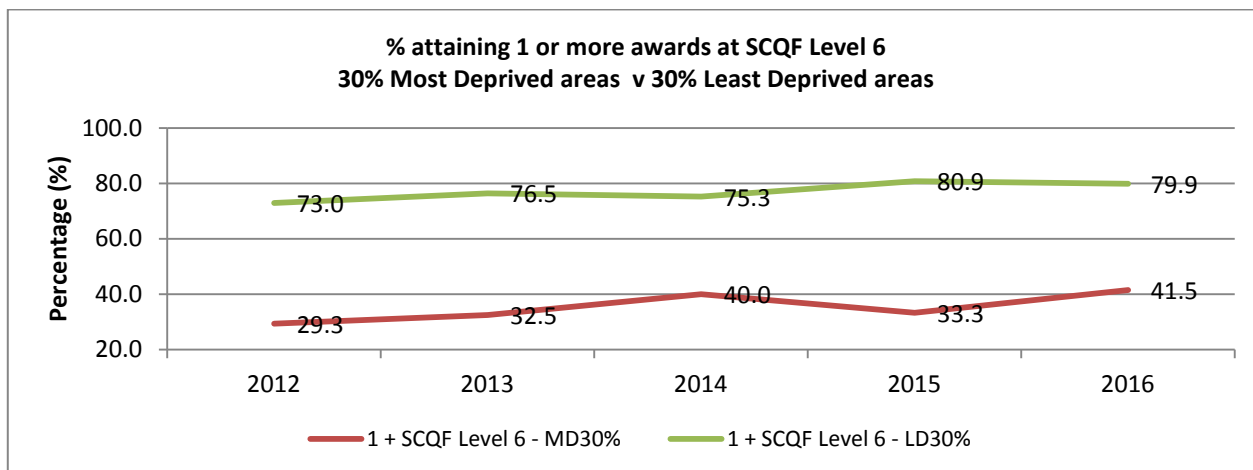
- 93.7% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 4 in 2015/16, an increase of 2.5% on the previous year. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2016 decreased by 2.9 percentage points on the previous year. Overall, the trend has fluctuated and the gap shows a slight increase over the five-year period from 4.9 percentage points in 2012 to 5.3 points in 2016.

Figure 11: Percentage of school leavers attaining 1 or more awards at SCQF Level 5 by SIMD category



- 72.3% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 5 in 2015/16, an increase of 1.3% on the previous year. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2016 decreased by 1.5 percentage points on the previous year. Overall, the gap shows a fluctuating but overall improved trend over the five-year period decreasing from 30.6 percentage points in 2012 to 22.5 points in 2016.

Figure 12: Percentage of school leavers attaining 1 or more awards at SCQF Level 6 by SIMD category

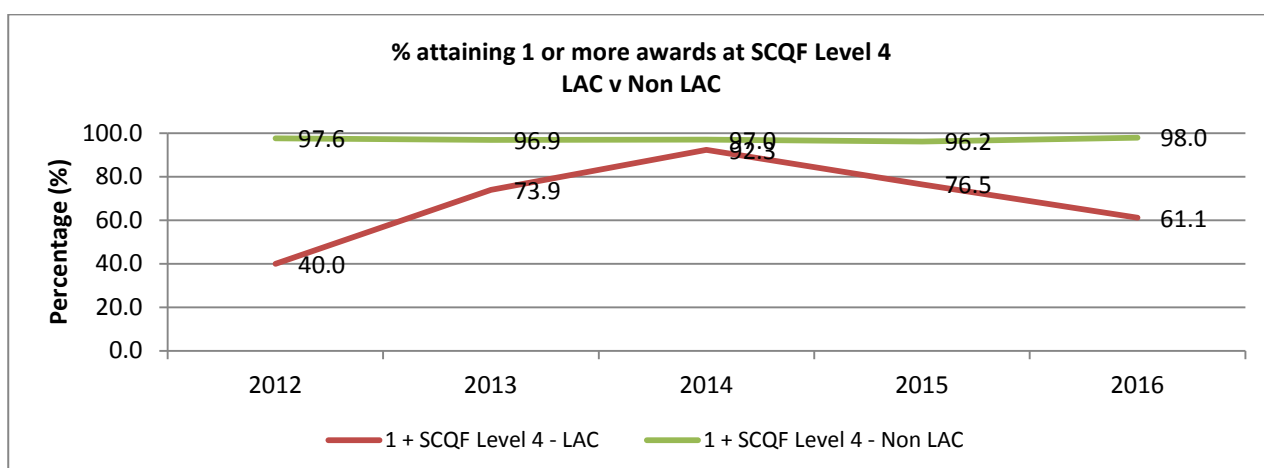


- 41.5% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 6 in 2015/16, an increase of 8.2% on the previous year. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2016 decreased by 9.1 percentage points on the previous year. Overall, the gap shows a fluctuating but overall improved trend over the five-year period decreasing from 43.7 percentage points in 2012 to 38.4 points in 2016.

Figures 13 to 14 below detail the gap in attainment at SCQF Levels 4 to 5 for school leavers in East Lothian by Looked After (LAC) status.

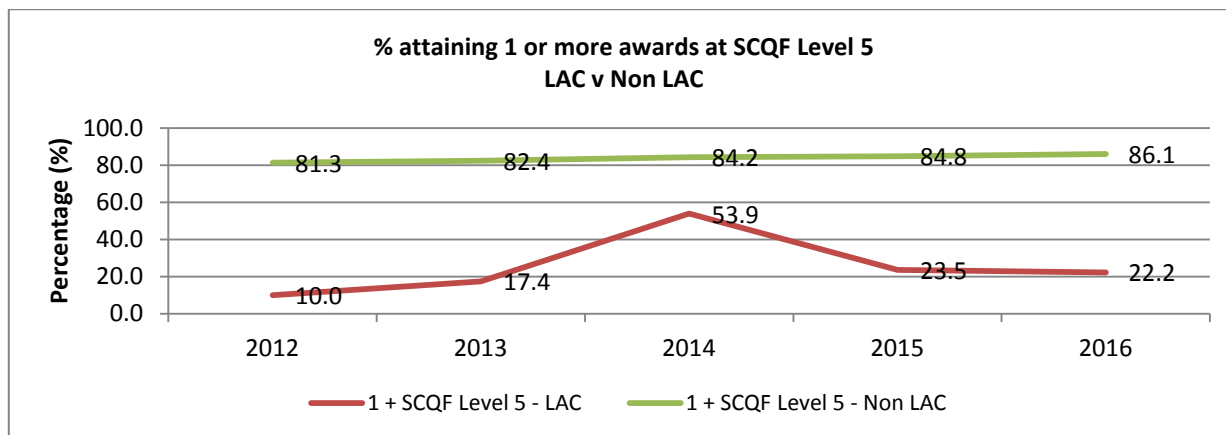
School leavers who are looked after typically have lower attainment compared to those who are not looked after. Similar to the SIMD trends, the attainment gap between school leavers who are looked after and those that are not looked after is wider at higher levels of qualifications. The attainment gap increases from 28 percentage points on average at SCQF Level 4 to 58 percentage points on average at SCQF Level 5.

Figure 13: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by LAC status



- 61.1% of looked after school leavers gained 1 or more qualifications at SCQF Level 4 in 2015/16, an increase of 15.4% on the previous year. The gap between leavers who are looked after and those who are not increased by 17.2 percentage points on the previous year. Overall, the trend has fluctuated widely due to the small numbers in the looked after cohort and the gap shows a decrease over the five-year period from 57.6 percentage points in 2012 to 36.9 points in 2016.

Figure 14: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by LAC status

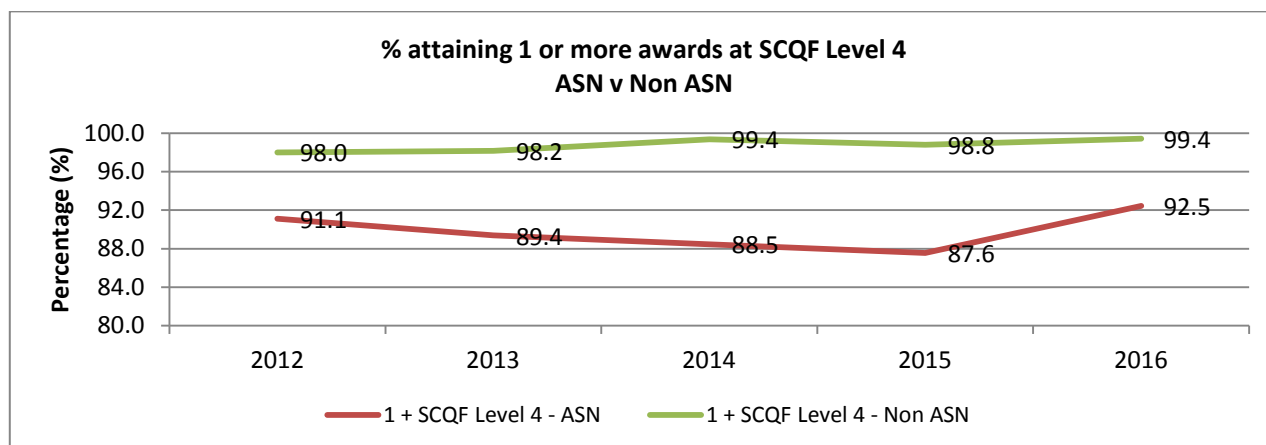


- 22.2% of looked after school leavers gained 1 or more qualifications at SCQF Level 5 in 2015/16, a slight decrease of 1.3% on the previous year. The gap between leavers who are looked after and those who are not increased slightly by 2.6 percentage points on the previous year. Overall, the trend has fluctuated widely due to the small numbers in the looked after cohort and the gap shows a decrease over the five-year period from 71.3 percentage points in 2012 to 63.9 points in 2016.

Figures 15 to 17 below detail the gap in attainment at SCQF Levels 4 to 6 for school leavers in East Lothian by Additional Support Needs (ASN) status.

School leavers with additional support needs typically have lower attainment compared to school leavers with no additional support needs. Again, similar to the SIMD trends, the attainment gap between school leavers with ASN and those without ASN is wider at higher levels of qualifications. The attainment gap increases from 28 percentage points on average at SCQF Level 4 to 58 percentage points on average at SCQF Level 5.

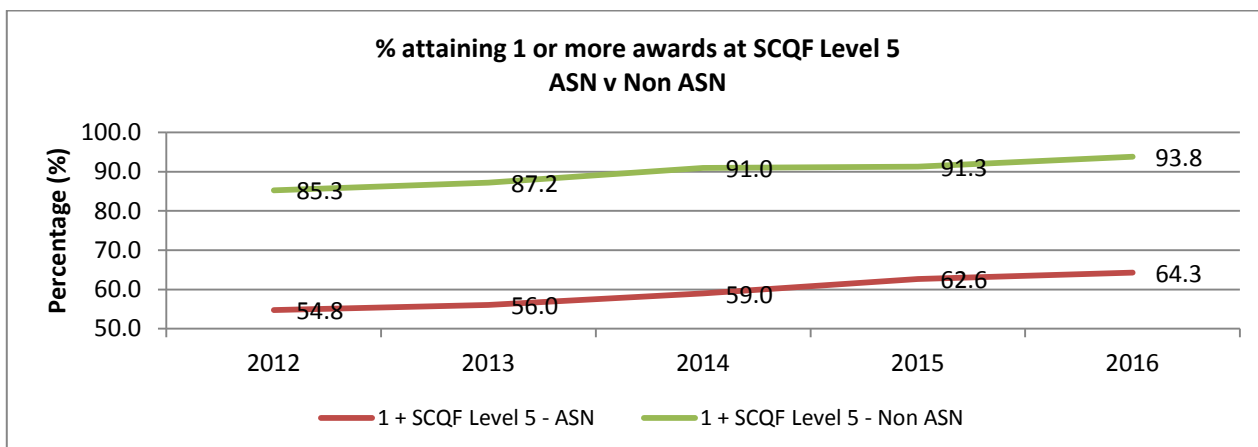
Figure 15: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by ASN status



- 92.5% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 4 in 2015/16, an increase of 4.9% on the previous year and an increase of 1.4

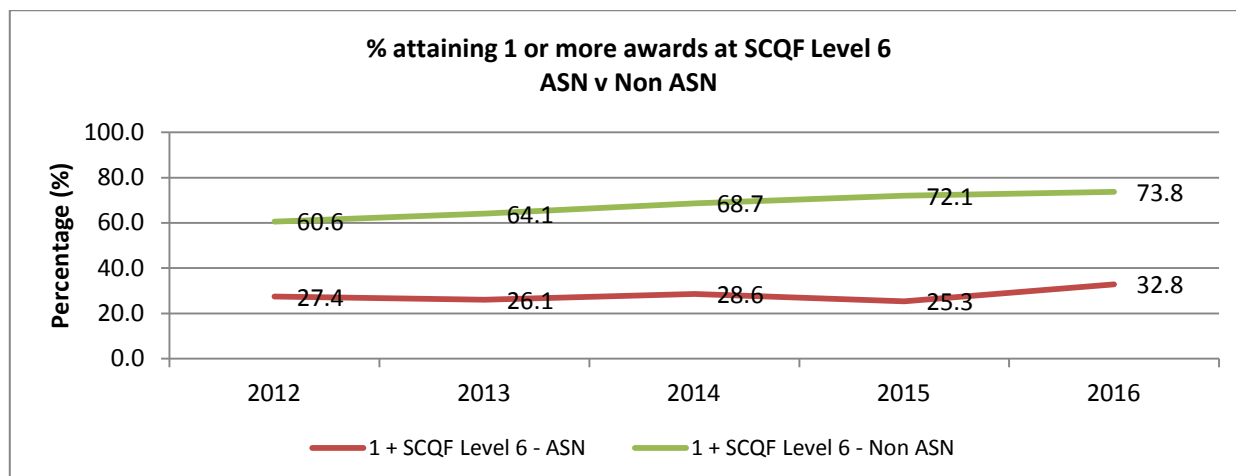
percentage points since 2012. The gap between East Lothian leavers with an additional support need and those without in 2016 decreased by 4.3 percentage points on the previous year. Overall, the gap shows a slight increase over the five-year period from 6.9 percentage points in 2012 to 7.0 points in 2016.

Figure 16: Percentage of school leavers attaining 1 or more awards at SCQF Level 5 by ASN status



- 64.3% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 5 in 2015/16, an increase of 1.6% on the previous year and an increase of 1.4 percentage points since 2012. The gap between East Lothian leavers with an additional support need and those without in 2016 increased slightly by 0.9 percentage points on the previous year. Overall, the gap shows a slight decrease over the five-year period from 30.5 percentage points in 2012 to 29.6 points in 2016.

Figure 17: Percentage of school leavers attaining 1 or more awards at SCQF Level 6 by ASN status



- 32.8% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 6 in 2015/16, an increase of 7.5% on the previous year and an increase of 13.2 percentage points since 2012. The gap between East Lothian leavers with an additional support need and those without in 2016 decreased by 5.8 percentage points on the previous year. Overall, the gap shows a slight increase over the five-year period from 33.2 percentage points in 2012 to 41.0 points in 2016.