

REPORT TO: Education Committee

MEETING DATE: 19 June 2018

BY: Depute Chief Executive (Resources and People Services)

SUBJECT: Insight National Benchmarking Measures to 2017

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 and to endorse the next steps.

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 2013 to 2017 in relation to the national average and its Virtual Comparator focusing on three nationally agreed “National Benchmarking Measures” from Insight:
- **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 three 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 2017 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 2017 results may not be fully comparable with previous years.
- 3.7 The data in this report is taken from the February 2018 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. A detailed breakdown of East Lothian's performance in each of the National Benchmarking Measures is provided in **Appendix 1**

East Lothian Performance to 2017

- 3.10 Overall, the three National Benchmarking Measures reported by the Scottish Government Insight tool in the February 2018 update indicate that attainment in East Lothian has improved overall over the five-year period to 2016/17 but that further improvements could still be made, particularly in Literacy & Numeracy at SCQF Levels 5 and 6 and in relation to closing the attainment gap. The key points from each benchmarking measure are:

- 3.11 **Improving Attainment for All** (*see Appendix 1, section 2*) – In 2016/17 the average total tariff score across the three attainment groups in East Lothian are all roughly in line with the Virtual Comparator. The 2017 performance of the Middle 60% (884) and Lowest 20% (154) groups is in line with the previous year and the Highest 20% group's average score (1882) shows a slight drop.

All three attainment groups in East Lothian show an overall improved trend over the last five years. The East Lothian performance during this period 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 and 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 2013 and 2015 but found no other significant comparisons in recent years as improvements have been made or for the other attaining groups.

- 3.12 **Improving Attainment in Literacy & Numeracy** (*see Appendix 1, section 3*) – In 2016/17, 96.2% of East Lothian school leavers attained literacy at SCQF level 3 or above with 95.4% attaining the same level in Numeracy. At SCQF Levels 4, 5 and 6 or better, a higher proportion of leavers attained literacy than numeracy, consistent with previous years and the national trend.

The percentage of East Lothian school leavers attaining both Literacy & Numeracy in 2016/17 at SCQF Level 4 or better (87.5%) shows a slight drop of 0.6% on the previous year but an overall improving trend, increasing by 8.5 percentage points since 2013. East Lothian's

performance at SCQF Level 4 has typically been in line with both the national average and the Virtual Comparator over the five-year period.

The percentage attaining both Literacy & Numeracy at SCQF Level 5 in 2016/17 (63.2%) increased by 2.3% on the previous year to its highest performance to date. East Lothian's performance at SCQF Level 5 shows an overall improved trend since 2013 increasing by 10.3 percentage points.

Further improvements still need to be made at SCQF Level 5 to bring young people's performance in line with those with similar characteristics and backgrounds. East Lothian's performance at SCQF Level 5 has fluctuated year on year with Insight testing finding East Lothian's performance in 2016 and 2017 lower than the Virtual Comparator and much lower in 2014 and 2015 as statistically significant.

3.13 Attainment versus Deprivation (see *Appendix 1, section 4*) – East Lothian's average total tariff scores across the SIMD deciles over the five-year period are roughly in line with the Virtual Comparator with the exception of school leavers living in SIMD decile 9 in 2013 and 2016 where Insight found these to be lower than the Virtual Comparator. 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.

3.14 Breadth and Depth data (see *Appendix 1, section 5*) – In 2016/17, 84.7% of East Lothian school leavers left with one or more passes at SCQF Level 5 or better, East Lothian's second highest performance over the five year period. While at SCQF Level 6 or better, 63.7% left with one or more passes, East Lothian's highest performance to date. East Lothian's performance in 2017 across the reported breadth and depth measures shows a slight drop on the previous year with the exception of '5 or more awards at Level 5' and '1 or more awards at Level 6' which increased by 1.4% and 2.2% respectively. The authority also maintained its level of performance for a second year in 2017 for the '1 or more awards at Level 7' measure.

East Lothian's performance across the reported SCQF Level 5 to 7 measures show an improved trend over the five-year period. The most significant increases have been in the percentage attaining '1 or more awards at Level 6' and '3 or more awards at Level 6' which increased by 5 and 7 percentage points respectively. Further improvements could still be made particularly in the '3 or more' and '5 or more' awards at Level 6 measures to bring them more in line with the Virtual Comparator.

3.15 **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 41 percentage points on average at SCQF Level 6. Overall the gap shows a slight decrease over the last five years across all of the four reported SCQF Levels with the largest gap decrease in the % attaining 1 or more at SCQF Level 6.

Next Steps for Improvement

3.16 The key areas of focus for raising attainment in the senior phase are:

- Continue to improve the attainment of the lowest 20% and middle 60% attaining groups to raise their performance above the virtual comparator.
- Focus on pace and challenge in order to continue to improve attainment of pupils living in the top deciles or the Highest attaining 20% cohort and maintain performance above the virtual comparator.
- Continue to improve the attainment of Literacy & Numeracy at SCQF Levels 5 and 6 to bring the performance in line with the Virtual Comparator.

3.17 Raising educational attainment and achievement for all remains a key priority for the Education Service. The Education Service Local Improvement Plan 2017/18 sets out the increased focus on improving the attainment of particular groups of learners, particularly for those who experience disadvantage in their lives and do not achieve their educational potential. The Education Service will continue to work with key stakeholders to improve the quality and design of the curriculum, the analysis and use of data and planning learning, teaching and assessment to ensure that all children and young people attain and achieve as well as they can.

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 None

Appendix 1 – East Lothian National Benchmarking Measures to 2017

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East Lothian Council - Education Service

East Lothian National Benchmarking Measures 2013 to 2017

1. Background Notes

This report compares the performance of East Lothian school leavers against the Insight National Benchmarking Measures since 2012/13.

- 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 2018 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 4, Tables 1 to 6 and commentary in sections 2 to 4, 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. Tables 7 to 9 and commentary in section 5, detail the progress in relation to Breadth and Depth data while Figures 5 to 13 show East Lothian's progress in relation to closing the attainment gap. 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 4 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

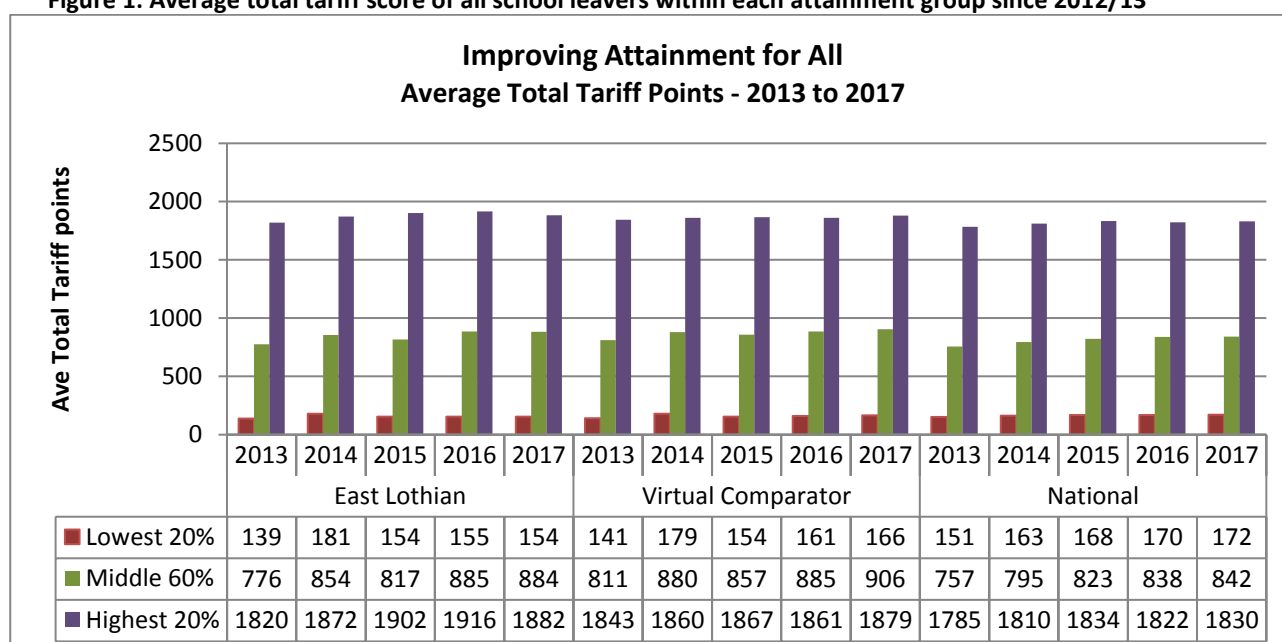
- The significance of comparisons is not currently tested in Insight for attainment by pupil characteristic, e.g. looked after (LAC), additional support needs (ASN) or for SIMD (Scottish Index of Multiple Deprivation).
- Comparison of measures over time in Insight should be treated with caution as earlier 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: 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 1* below shows the average total tariff score of all school leavers across East Lothian.

Figure 1: Average total tariff score of all school leavers within each attainment group since 2012/13



Comments on Figure 1:

- In 2016/17 the average total tariff score across the three attainment groups in East Lothian are all roughly in line with the Virtual Comparator. The 2017 performance of the Middle 60% (884) and Lowest 20% (154) groups are in line with the previous year and the Highest 20% group’s average score (1882) shows a slight drop.
- All three attainment groups in East Lothian show an overall improved trend over the last five years. The East Lothian performance during this period 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 and 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 2013 and 2015, but found no other significant comparisons in recent years as improvements have been made or for the other attaining groups.

Table 1 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 1: Average Point Difference between the average total tariff score for East Lothian and the Virtual Comparator within each attainment group since 2012/13

East Lothian Leaver Attainment Group	Average Point Difference between ELC & VC scores					ELC Ave Total Tariff Score			Insight testing found that the following comparisons were significant:
	2013	2014	2015	2016	2017	ELC 3 Yr Ave	ELC 5 Yr Trend	ELC 5 Yr Net (+/-) change	
Lowest Attaining 20%	-2	2	0	-6	-12	154	3.75	15	
Middle Attaining 60%	-35	-26	-40	0	-22	862	27.00	108	ELC Performance is lower than its Virtual Comparator in 2013 & 2015
Highest Attaining 20%	-23	12	35	55	3	1900	15.50	62	

3. National Benchmarking Measure: Literacy and Numeracy

Figures 2 & 3 and Tables 2 & 3 that follow, detail the percentage of school leavers that achieved literacy and/or numeracy from 2013 to 2017 to at least SCQF Levels 3 to 6.

Table 4 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 2.../

Figure 2: Literacy and Numeracy achievement at SCQF Levels 3 & 4 for all school leavers in each year since 2012/13

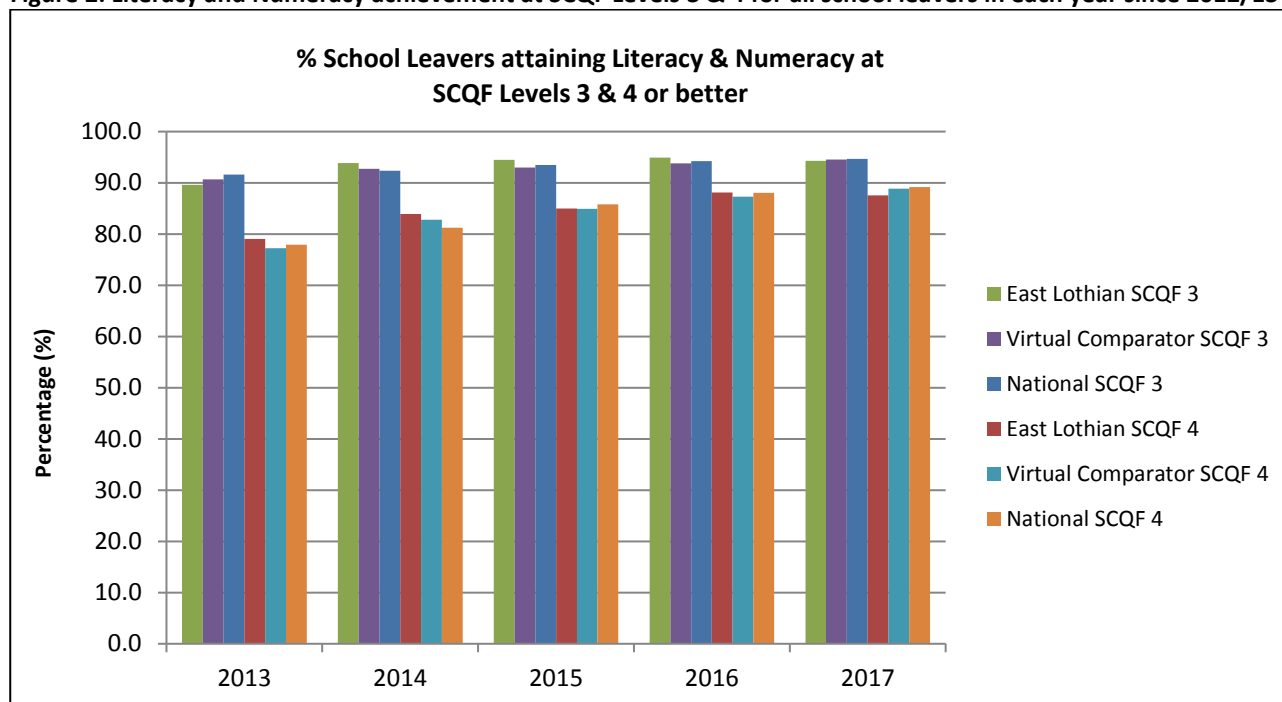


Table 2 - % school leavers attaining both Literacy & Numeracy at SCQF Levels 3 & 4 or better since 2012/13

All School Leavers	2013	2014	2015	2016	2017	3 Year Ave	2017 % point change (+/-) on 2016	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian SCQF 3	89.6	93.9	94.5	94.9	94.3	94.6	-0.6	1.18	4.72
Virtual Comparator SCQF 3	90.7	92.7	93.0	93.8	94.5	93.8	0.7	0.96	3.85
National SCQF 3	91.6	92.4	93.5	94.2	94.6	94.1	0.4	0.75	3.02
East Lothian SCQF 4	79.1	83.9	85.0	88.1	87.5	86.9	-0.6	2.12	8.47
Virtual Comparator SCQF 4	77.2	82.8	84.9	87.3	88.9	87.0	1.6	2.90	11.61
National SCQF 4	77.9	81.2	85.8	88.1	89.2	87.7	1.1	2.81	11.23

Comments on Figure 2 and Table 2:

- East Lothian’s performance at SCQF Levels 3 and 4 in both Literacy & Numeracy in 2016/17 shows a slight drop of 0.6% on the previous year but an overall improved trend since 2012/13. East Lothian’s performance at SCQF Level 3 or better has increased by 4.7 percentage points since 2013 while at SCQF Level 4 the percentage performance has increased by 8.5 percentage points.
- East Lothian’s percentage at SCQF Level 3 and 4 has been typically in line with both the national average and the Virtual Comparator.
- Where the percentage has been above or below the Virtual Comparator, Insight Testing found that there were no significant comparisons for these measures.

Figure 3.../

Figure 3: Literacy and Numeracy achievement at SCQF Levels 5 & 6 for all school leavers in each year since 2012/13

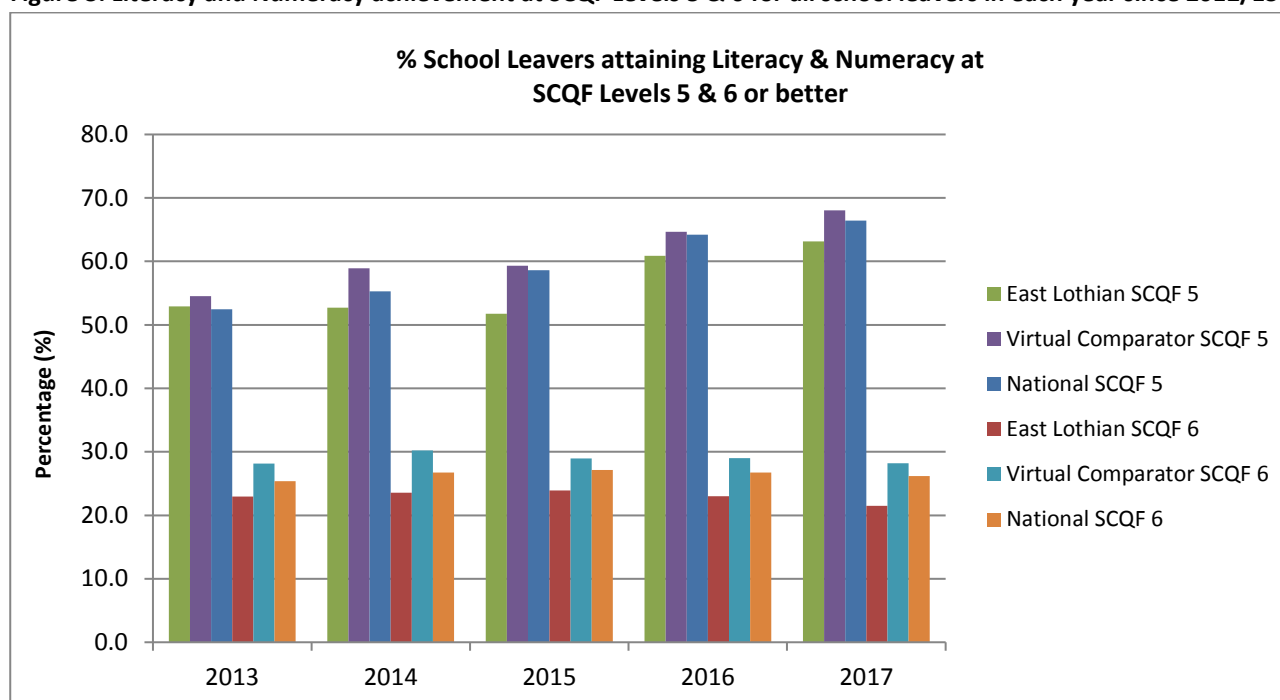


Table 3 - % school leavers attaining Literacy & Numeracy at SCQF Levels 5 & 6 or better since 2012/13

All School Leavers	2013	2014	2015	2016	2017	3 Year Ave	2017 % point change (+/-) on 2016	5 Year Trend	5 Yr % Point Net Change (+/-)
East Lothian SCQF 5	52.9	52.7	51.7	60.9	63.2	58.6	2.3	2.57	10.26
Virtual Comparator SCQF 5	54.5	58.9	59.3	64.6	68.0	64.0	3.4	3.38	13.51
National SCQF 5	52.5	55.3	58.6	64.2	66.5	63.1	2.2	3.50	13.98
East Lothian SCQF 6	23.0	23.5	23.9	23.0	21.5	22.8	-1.5	-0.36	-1.46
Virtual Comparator SCQF 6	28.2	30.2	29.0	29.0	28.2	28.7	-0.8	0.01	0.05
National SCQF 6	25.4	26.7	27.1	26.8	26.2	26.7	-0.6	0.20	0.80

Comments on Figure 3 and Table 3:

- East Lothian’s performance at SCQF Level 5 or better in both Literacy & Numeracy in 2016/17 increased by 2.3% on the previous year to its highest performance to date. At SCQF Level 6 or better, the percentage in 2016/17 dropped 1.5% on the previous year.
- East Lothian’s performance at SCQF Level 5 or better shows a fluctuating but overall improved trend over the five-year period with the performance at SCQF Level 6 or better showing a relatively static trend at SCQF Level 6.
- East Lothian’s percentage performance 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:
 - East Lothian’s Performance at SCQF Level 5 is lower than the Virtual Comparator in 2016 and 2017 and much lower in 2014 and 2015; and

- East Lothian’s Performance is much lower than the Virtual Comparator at SCQF Level 6 across years 2014, 2016 and 2017 and lower in 2013 and 2015.

Table 4: Literacy and Numeracy achievement for all school leavers in each year from 2012/13 to 2016/17

Year	Literacy				Numeracy				
	3+	4+	5+	6+	3+	4+	5+	6+	
East Lothian	2013	93.2	90.9	68.2	44.7	93.9	81.4	55.0	26.9
	2014	96.6	94.1	70.9	45.0	94.7	85.0	56.0	29.9
	2015	96.6	93.9	69.9	48.4	96.0	86.3	55.7	27.3
	2016	97.2	94.5	76.9	54.8	96.2	89.8	62.4	26.3
	2017	96.2	93.2	80.1	53.4	95.4	89.3	64.4	25.9
	+/- on 2016	-1.0	-1.3	3.1	-1.4	-0.8	-0.5	2.1	-0.4
	3yr ave	96.7	93.9	75.6	52.2	95.8	88.5	60.8	26.5
	5yr % net change (+/-)	3.0	2.3	11.9	8.8	1.5	7.9	9.4	-1.0
	5yr trend ¹	0.75	0.57	2.98	2.19	0.36	1.98	2.36	-0.25
Virtual Comparator	2013	94.2	90.6	67.3	47.1	92.7	78.7	58.1	33.0
	2014	95.8	93.2	73.6	51.1	94.3	84.1	62.2	35.4
	2015	95.7	92.9	74.0	50.1	94.5	86.7	62.6	33.8
	2016	95.9	93.4	78.7	57.2	95.3	88.9	67.1	31.6
	2017	96.3	94.1	80.8	58.6	95.9	90.4	70.2	30.7
	+/- on 2016	0.4	0.7	2.1	1.4	0.6	1.5	3.1	-0.9
	3yr ave	96.0	93.4	77.9	55.3	95.2	88.7	66.6	32.0
	5yr % net change (+/-)	2.1	3.5	13.5	11.5	3.2	11.7	12.1	-2.3
	5yr trend ¹	0.53	0.86	3.39	2.87	0.80	2.91	3.02	-0.57
National	2013	95.0	91.7	66.9	44.3	93.8	79.4	56.1	30.0
	2014	95.5	92.3	70.1	46.5	94.1	82.8	59.1	31.7
	2015	96.0	93.5	74.6	49.1	95.0	87.5	62.5	31.7
	2016	96.4	94.1	79.0	54.6	95.6	89.6	66.8	29.5
	2017	96.5	94.4	80.9	55.9	96.1	90.7	68.8	28.6
	+/- on 2016	0.1	0.4	1.8	1.3	0.5	1.1	2.0	-0.9
	3yr ave	96.3	94.0	78.2	53.2	95.6	89.2	66.0	29.9
	5yr % net change (+/-)	1.6	2.7	14.0	11.6	2.3	11.3	12.7	-1.4
	5yr trend ¹	0.39	0.68	3.49	2.90	0.58	2.82	3.17	-0.35

Comments on Table 4:

- Literacy Achievement** - East Lothian’s performance across SCQF Levels 3 to 6 for Literacy shows a fluctuating but overall improved trend over the five-year period. The 2017 performance shows a slight drop on the previous year across the SCQF Levels, with the exception of SCQF Level 5 which increased by 3.1% to its highest performance to date.
- East Lothian’s percentage performance at SCQF level 3 and 4 has typically been in line with its Virtual Comparator and the national average. Where the percentage is above or below for East Lothian, Insight found no significant comparisons with the exception of SCQF Level 3 in 2016 where East Lothian’s performance is considered greater than the Virtual Comparator.
- At SCQF Levels 5 and 6, East Lothian’s percentage 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 2014 and 2015.
- East Lothian’s Literacy performance at SCQF Level 6 is lower than the Virtual Comparator in 2013, 2014 and 2017.
- **Numeracy Achievement** - East Lothian’s performance across SCQF Levels 3 to 5 for Numeracy shows an improved trend over the five-year period. The 2017 performance shows further improvement on the previous year at SCQF Level 5 (+2%), its highest performance to date, and a slight drop across the other levels.
- East Lothian’s percentage 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.
- 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, with the performance considered to be much lower in 2014 and 2015; and
 - East Lothian’s performance at SCQF Level 6 across the five years is lower with the performance in 2015 and 2017 considered to be much lower.

4. 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 4 overleaf shows the average total tariff scores within each SIMD decile band of all East Lothian school leavers in 2017 compared with the Virtual Comparator. The grey circles in *Figure 4* 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 5* below.

Table 5: Percentage of East Lothian school leavers within each SIMD Decile Band since 2012/13

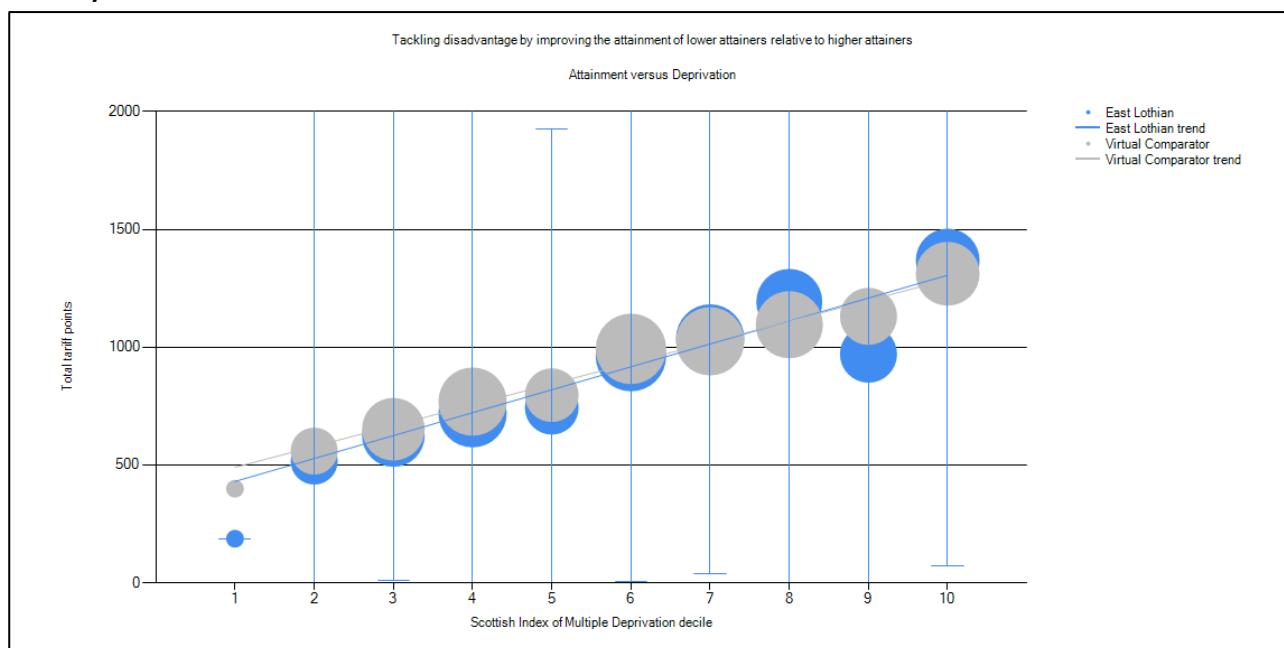
Establishment	Year of leaving	% of Total Cohort within each SIMD Decile Band									
		Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2012/13	*	5%	11%	10%	11%	8%	28%	9%	7%	12%
	2013/14		5%	11%	7%	11%	8%	27%	10%	7%	14%
	2014/15		5%	11%	9%	10%	8%	28%	12%	6%	12%
	2015/16		6%	10%	8%	11%	8%	28%	10%	6%	12%
	2016/17	*	5%	11%	14%	8%	15%	14%	13%	9%	12%
	3 Yr Ave		5%	11%	10%	10%	10%	24%	12%	7%	12%
	5 Yr Ave		5%	11%	10%	10%	9%	25%	11%	7%	12%

Note: Where the % is based on a pupil cohort of less than 5 but greater than 0, the '% of Total Cohort' has been suppressed with an asterisk (*) to avoid identification of individual pupils.

Comments on Table 5:

- 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), 30% within deciles 8-10 (30% least deprived areas in Scotland) and 54% within deciles 4-7 (the remaining middle 40% of SIMD areas).

Figure 4: Average total tariff scores of all school leavers in 2016/17 compared with the Virtual Comparator, broken down by SIMD band of residence



Comments on Figure 4:

- The position of East Lothian’s circles in Figure 4 above compared to the Virtual Comparator circles along the trend line, would suggest that East Lothian’s performance in 2017 is roughly in line with its Virtual Comparator across the ten SIMD deciles.
- It is important to be aware of the numbers of young people appearing in each of these deciles. For example, the circle in decile 2 is relatively small, reflecting the fact that it represents only 5% of the leavers’ cohort in East Lothian in 2016/17.

Table 6 below shows the average total tariff scores within each SIMD decile band for all school leavers in East Lothian since 2012/13 compared with its Virtual Comparator and the national average.

Table 6: Average total tariff scores of the full S4 year group by the end of S6 since 2012/13, broken down by SIMD band of residence

Establishment	Year of leaving	SIMD Decile Band									
		Most Deprived 1	2	3	4	5	6	7	8	9	Least Deprived 10
East Lothian	2012/13	414	476	573	557	759	736	894	1147	1032	1283
	2013/14		514	724	681	837	803	924	1094	1057	1295
	2014/15		413	585	698	762	906	878	1208	1185	1258
	2015/16		608	643	672	858	941	963	1135	1076	1367
	2016/17	187	517	625	720	743	962	1037	1192	971	1368
	+/- on 2016		-91	-18	48	-115	21	74	57	-105	1
	3 Yr Ave		513	618	697	788	936	959	1178	1077	1331
	5yr net change (+/-)		41	52	163	-16	226	143	45	-61	85
	5 Yr Trend ¹		10	13	41	-4	57	36	11	-15	55
Virtual Comparator	2012/13	739	496	584	577	787	797	931	1056	1147	1301
	2013/14		562	670	686	856	863	953	1043	1082	1328
	2014/15	215	453	608	758	776	861	944	1087	1125	1324
	2015/16		632	616	692	843	913	949	1074	1186	1337
	2016/17	399	559	652	769	796	993	1025	1096	1131	1312
	+/- on 2016		-73	36	77	-47	80	76	22	-55	-25
	3 Yr Ave		548	625	740	805	922	973	1086	1147	1324
	5yr net change (+/-)		63	68	192	9	196	94	40	-16	11
	5 Yr Trend ¹		16	17	48	2	49	24	10	-4	3
National	2012/13	515	588	636	730	790	873	942	1006	1107	1239
	2013/14		559	622	695	769	825	885	961	1028	1267
	2014/15		577	650	698	792	849	922	982	1053	1291
	2015/16		590	661	720	796	854	935	986	1062	1300
	2016/17		612	657	736	796	881	936	988	1086	1284
	+/- on 2016		22	-4	16	0	27	1	2	24	16
	3 Yr Ave		593	656	718	795	861	931	985	1067	1292
	5yr net change (+/-)		97	69	100	66	91	63	46	80	56
	5 Yr Trend ¹		24	17	25	17	23	16	12	20	14

Comments on Table 6:

- East Lothian’s performance across the SIMD 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 in 2013 and 2016 is lower than the Virtual Comparator.
- 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 2013 to 2017

This section reviews the performance of attainment in SQA graded courses across SCQF Levels 3 to 7 using breadth and depth measures for school leavers across East Lothian since 2012/13.

APPENDIX 1

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 2017 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 to 2017 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 2012/13. The percentages are calculated as a proportion of the relevant leaver cohort.

Tables 7 and 8 that follow show the latest and best attainment at the point of leaving school in East Lothian and for the Virtual Comparator for the following breadth and depth measures:

- 1 or more awards at SCQF Levels 3 and SCQF Levels 4 or better;
- 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 7 - East Lothian Breadth and Depth Data 2013 to 2017

% School Leavers Attaining	2013	2014	2015	2016	2017	2017 % point change (+/-) on 2016	3 Yr Ave (%)	5 Year Trend	5 Yr % Point Net Change (+/-)
1 or more awards at Level 3	98.3%	98.0%	98.0%	98.2%	97.8%	-0.4%	98.0%	-0.1%	-0.4%
1 or more awards at Level 4	96.4%	96.9%	95.9%	97.4%	95.5%	-1.9%	96.2%	-0.2%	-1.0%
1 or more awards at Level 5	81.0%	83.8%	83.8%	85.0%	84.7%	-0.3%	84.5%	0.9%	3.7%
3 or more awards at Level 5	66.8%	70.1%	67.2%	71.7%	71.1%	-0.6%	70.0%	1.1%	4.3%
5 or more awards at Level 5	54.9%	56.9%	51.7%	56.7%	58.1%	1.4%	55.5%	0.8%	3.1%
1 or more awards at Level 6	56.5%	59.7%	59.8%	61.5%	63.7%	2.2%	61.7%	1.8%	7.2%
3 or more awards at Level 6	40.4%	42.6%	41.3%	47.3%	45.6%	-1.7%	44.7%	1.3%	5.2%
5 or more awards at Level 6	28.6%	29.1%	26.6%	31.6%	30.7%	-1.0%	29.6%	0.5%	2.1%
1 or more awards at Level 7	18.7%	21.5%	19.6%	21.8%	21.8%	0.0%	21.1%	0.8%	3.1%

Table 8 – Virtual Comparator Breadth and Depth Data 2013 to 2017

% School Leavers Attaining	2013	2014	2015	2016	2017	2017 % point change (+/-) on 2016	3 Yr Ave (%)	5 Year Trend	5 Yr % Point Net Change (+/-)
1 or more awards at Level 3	97.7%	98.2%	97.6%	97.7%	97.8%	0.1%	97.7%	0.0%	0.2%
1 or more awards at Level 4	95.4%	96.5%	96.0%	95.9%	96.2%	0.3%	96.0%	0.2%	0.8%
1 or more awards at Level 5	81.7%	86.2%	83.8%	85.5%	85.6%	0.1%	85.0%	1.0%	4.0%
3 or more awards at Level 5	68.0%	73.3%	70.0%	71.8%	73.3%	1.5%	71.7%	1.3%	5.3%
5 or more awards at Level 5	56.2%	60.6%	57.4%	57.8%	59.9%	2.1%	58.4%	0.9%	3.7%
1 or more awards at Level 6	58.2%	62.6%	60.9%	63.6%	63.9%	0.3%	62.8%	1.4%	5.7%
3 or more awards at Level 6	42.7%	46.8%	45.1%	47.4%	48.2%	0.7%	46.9%	1.4%	5.5%
5 or more awards at Level 6	29.1%	32.3%	31.4%	33.0%	33.1%	0.1%	32.5%	1.0%	4.1%
1 or more awards at Level 7	20.5%	21.1%	20.8%	21.3%	21.6%	0.3%	21.2%	0.3%	1.1%

Table 9 below further details the percentage point difference between the East Lothian performance and the Virtual Comparator.

Table 9 – ELC % Performance (+/-) Compared to Virtual Comparator

% School Leavers Attaining	2013	2014	2015	2016	2017
1 or more awards at Level 3	0.6%	-0.2%	0.5%	0.5%	0.0%
1 or more awards at Level 4	1.0%	0.5%	-0.1%	1.5%	-0.7%
1 or more awards at Level 5	-0.7%	-2.3%	0.0%	-0.5%	-0.9%
3 or more awards at Level 5	-1.2%	-3.2%	-2.8%	-0.1%	-2.1%
5 or more awards at Level 5	-1.3%	-3.7%	-5.7%	-1.1%	-1.8%
1 or more awards at Level 6	-1.7%	-2.9%	-1.0%	-2.1%	-0.3%
3 or more awards at Level 6	-2.3%	-4.2%	-3.9%	-0.2%	-2.6%
5 or more awards at Level 6	-0.5%	-3.2%	-4.9%	-1.4%	-2.5%
1 or more awards at Level 7	-1.7%	0.4%	-1.3%	0.6%	0.2%

Comments on Tables 7 to 9:

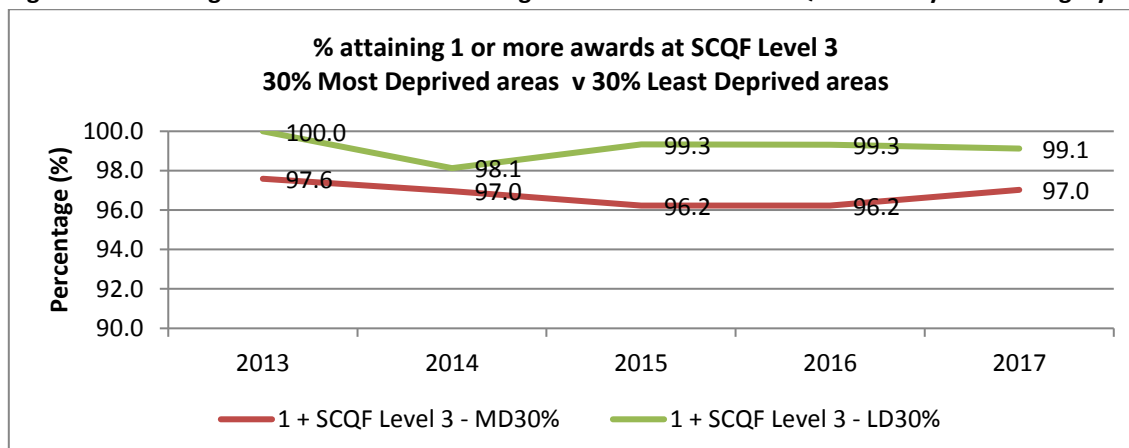
- East Lothian's performance in 2017 across the reported breadth and depth measures shows a slight drop on the previous year with the exception of '5 or more awards at Level 5' and '1 or more awards at Level 6' which increased by 1.4% and 2.2% respectively. This brings the authority performance to its highest to date. The authority also maintained its level of performance for a second year in 2017 for the '1 or more awards at Level 7' measure.
- East Lothian's performance across the reported SCQF Level 5 to 7 measures show an improved trend over the five-year period. The most significant increases have been in the percentage attaining '1 or more awards at Level 6' and '3 or more awards at Level 6' which increased by 5 and 7 percentage points respectively.

Senior Phase Qualifications: Closing the Gap**Deprivation (SIMD)**

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 41 percentage points on average at SCQF Level 6.

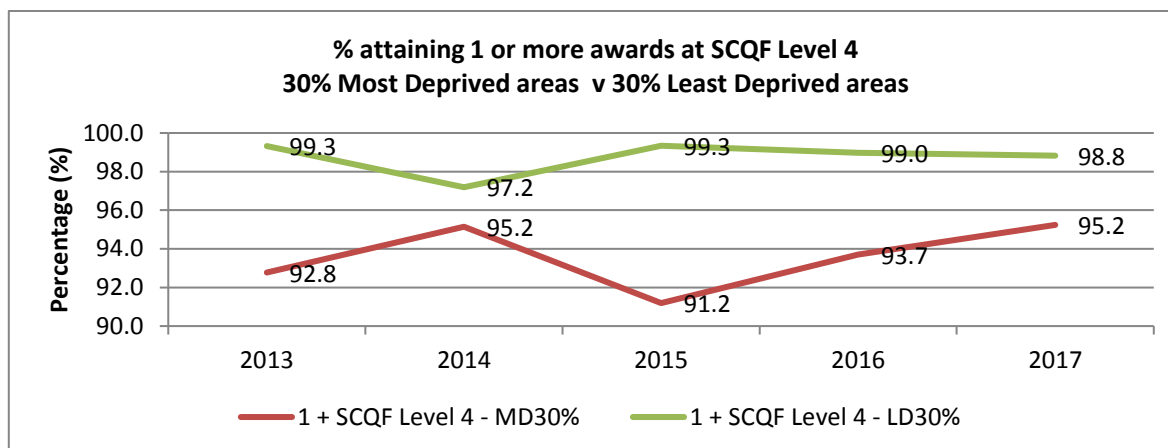
Figures 5 to 8 that follow detail the gap in attainment at SCQF Levels 3 to 6 for school leavers in East Lothian by SIMD category since 2012/13.

Figure 5: Percentage of school leavers attaining 1 or more awards at SCQF Level 3 by SIMD category



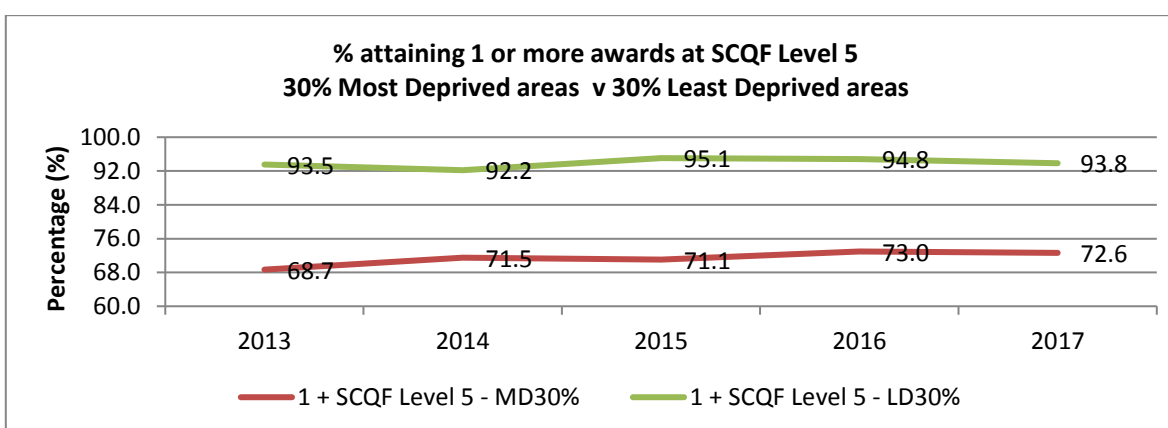
- 97% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 3 in 2016/17, a 0.8% increase on the previous year. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2017 reduced by one percentage point on the previous year and shows a slight overall reduction over the last five years, with the gap decreasing from 2.4 points in 2013 to 2.1 points in 2017.

Figure 6: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by SIMD category



- 95.2% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 4 in 2016/17, an increase of 1.5% on the previous year and an increase of 2.5 percentage points since 2013. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2017 decreased by 1.7 percentage points on the previous year. Overall, the trend has fluctuated with the gap showing an overall decrease over the five-year period from 6.6 percentage points in 2013 to 3.6 points in 2017.

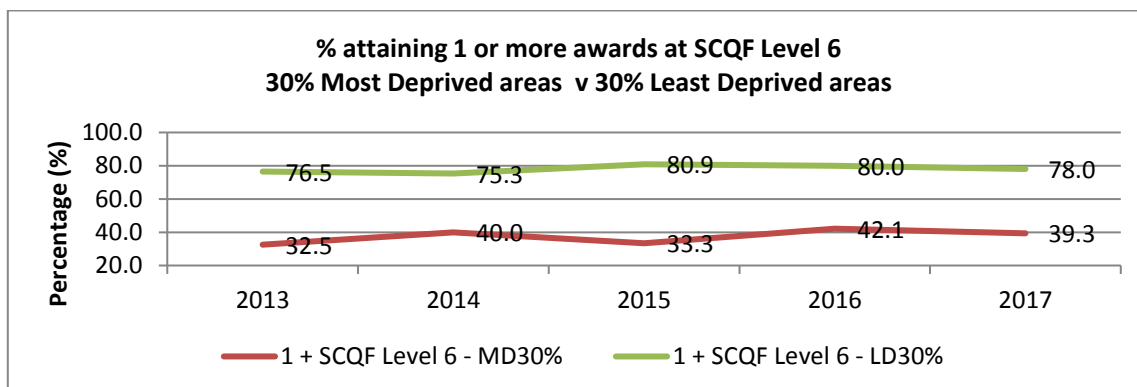
Figure 7: Percentage of school leavers attaining 1 or more awards at SCQF Level 5 by SIMD category



- 72.6% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 5 in 2016/17, in line with the previous year's performance and an increase of 4.0 percentage points since 2013. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2017 decreased by 0.7 percentage points on the previous year. Overall, the gap shows a fluctuating but overall improved trend over the five-year period decreasing from 24.9 percentage points in 2013 to 21.2 points in 2017.

Figure 8.../

Figure 8: Percentage of school leavers attaining 1 or more awards at SCQF Level 6 by SIMD category



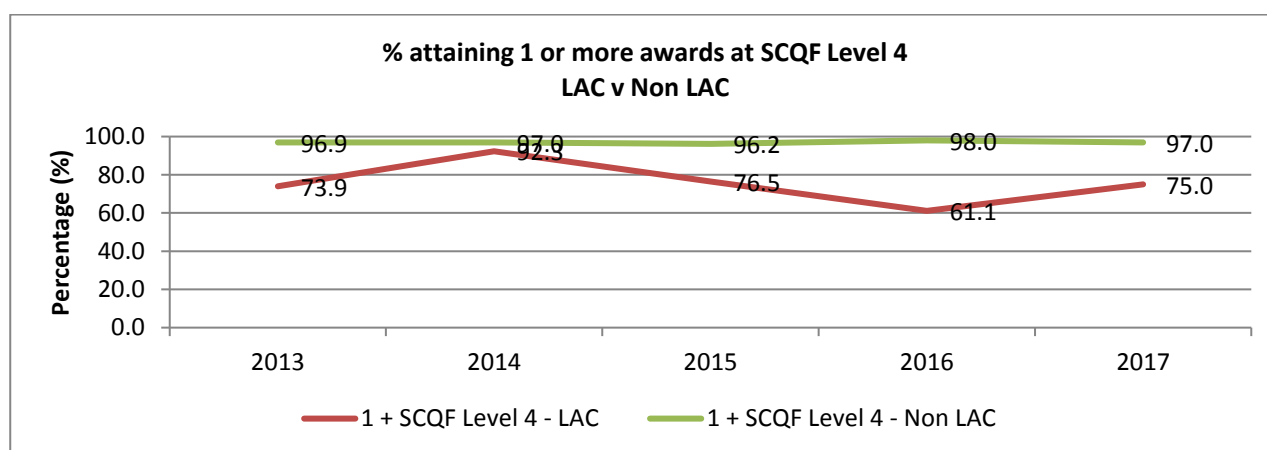
- 39.3% of school leavers from the 30% most deprived areas gained 1 or more qualifications at SCQF Level 6 in 2016/17, a drop of 2.9% on the previous year and an increase of 6.8 percentage points since 2013. The gap between East Lothian leavers from the 30% most and the 30% least deprived areas in 2017 increased slightly by 0.9 percentage points on the previous year. Overall, the gap shows a fluctuating but improved trend over the five-year period decreasing from 43.9 percentage points in 2013 to 38.7 points in 2017.

Looked After status

Figures 9 to 10 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 21 percentage points on average at SCQF Level 4 to 52 percentage points on average at SCQF Level 5.

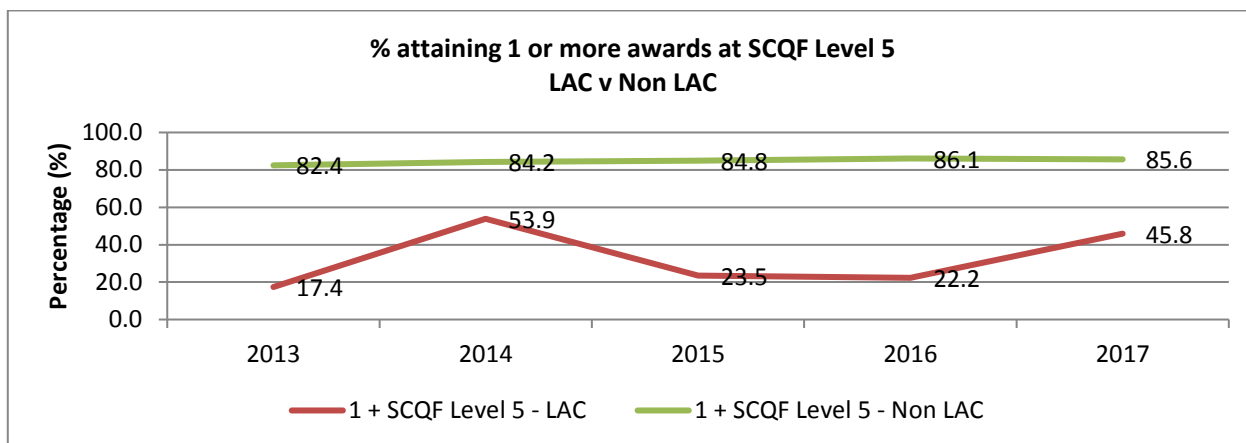
Figure 9: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by LAC status



- 75% of looked after school leavers gained 1 or more qualifications at SCQF Level 4 in 2016/17, an increase of 13.9% on the previous year. The gap between leavers who are looked after and those who are not decreased by 14.9 percentage points on the previous year to 22 points in 2017. Overall, the trend has fluctuated widely due to the small numbers in the looked after cohort.

Figure 10.../

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



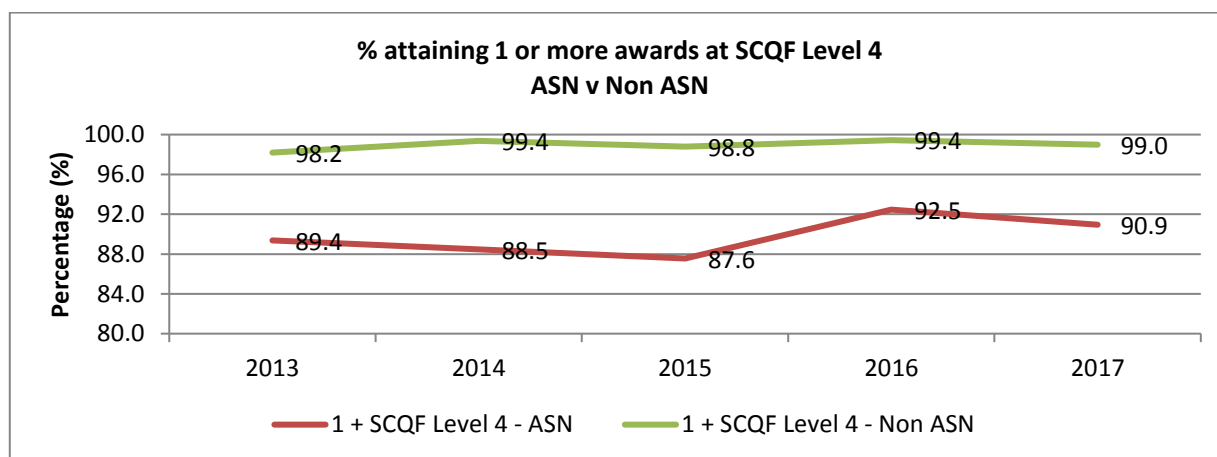
- 45.8% of looked after school leavers gained 1 or more qualifications at SCQF Level 5 in 2016/17, an increase of 23.6% on the previous year. The gap between leavers who are looked after and those who are not decreased by 24.1 percentage points on the previous year to 39.8 points in 2017. Overall, the trend has fluctuated widely due to the small numbers in the looked after cohort.

Additional Support Needs status

Figures 11 to 13 below detail the gap in attainment at SCQF Levels 4 to 6 for school leavers in East Lothian by Additional Support Needs (ASN) status.

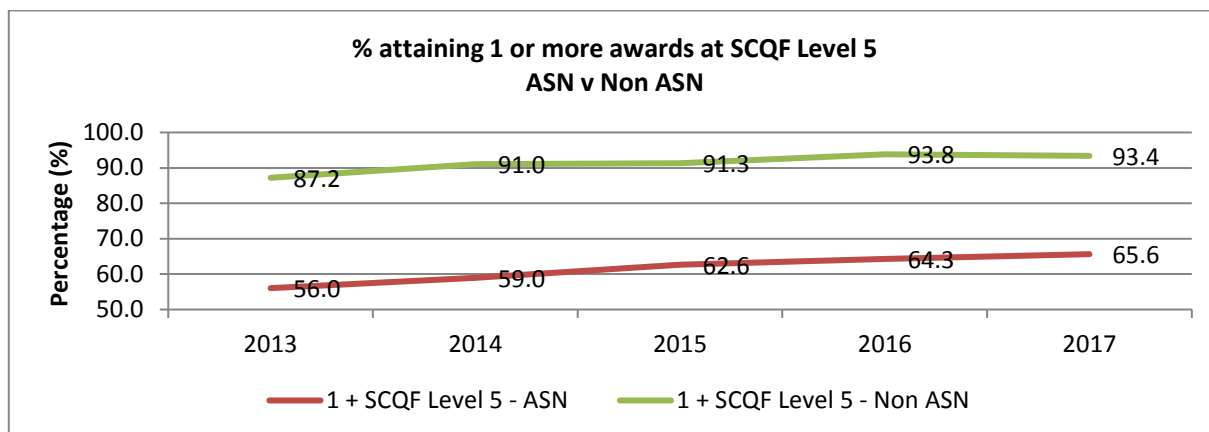
School leavers with additional support needs typically have lower attainment compared to school leavers with no additional support needs. Again, similar to the SIMD trends, the attainment gap between school leavers with ASN and those without ASN is wider at higher levels of qualifications. The attainment gap increases from 9 percentage points on average at SCQF Level 4 to 30 percentage points on average at SCQF Level 5 and 41 percentage points at SCQF Level 6.

Figure 11: Percentage of school leavers attaining 1 or more awards at SCQF Level 4 by ASN status



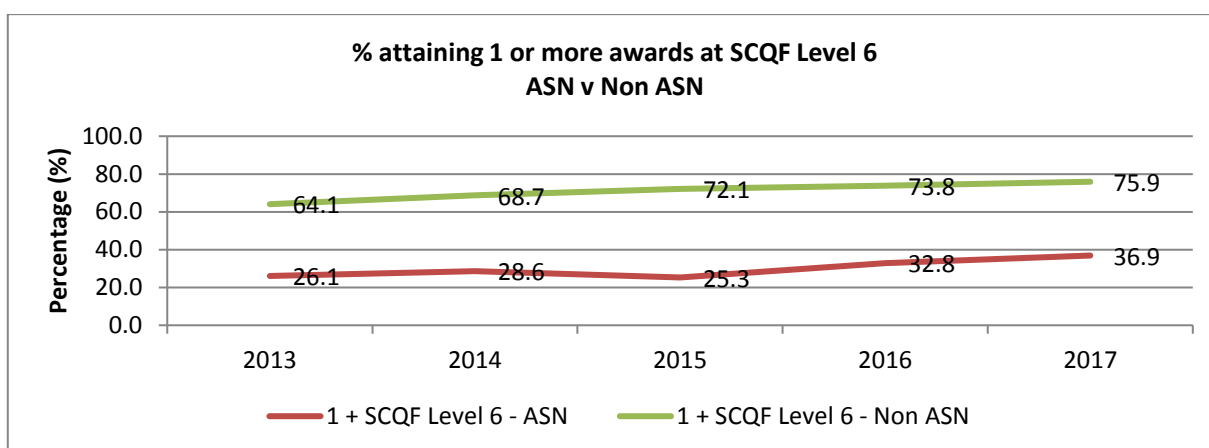
- 90.9% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 4 in 2016/17, a decrease of 1.5% on the previous year and an increase of 1.6 percentage points since 2013. The gap between East Lothian leavers with an additional support need and those without in 2017 increased by 1.1 percentage points on the previous year. Overall, the gap shows a slight decrease over the five-year period from 8.8 percentage points in 2013 to 8.1 points in 2017.

Figure 12: Percentage of school leavers attaining 1 or more awards at SCQF Level 5 by ASN status



- 65.6% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 5 in 2016/17, an increase of 1.4% on the previous year and an increase of 1.6 percentage points since 2013. The gap between East Lothian leavers with an additional support need and those without in 2017 decreased by 1.8 percentage points on the previous year. Overall, the gap shows a decrease over the five-year period from 31.2 percentage points in 2013 to 27.8 points in 2017.

Figure 13: Percentage of school leavers attaining 1 or more awards at SCQF Level 6 by ASN status



- 36.9% of school leavers with an additional support need gained 1 or more qualifications at SCQF Level 6 in 2016/17, an increase of 4.1% on the previous year and an increase of 10.8 percentage points since 2013. The gap between East Lothian leavers with an additional support need and those without in 2017 decreased by 1.9 percentage points on the previous year. Overall, the gap shows a slight increase over the five-year period from 38.0 percentage points in 2013 to 39.1 points in 2017.