



Glasgow City Council

Education, Skills and Early Years City Policy Committee

Report by Head of Service, Education Services

Contact: Jean Miller Ext: 74330

Item 2

20th November 2025

Attainment -SQA Awards 2024/25

Purpose of Report:

To provide the Committee with information on the attainment performance of pupils in in the senior phase.

Recommendations:

The Committee is asked to consider the content of the report, note the positive outcomes for young people across the city and the focus on improving further.

Ward No(s):

Citywide: ✓

Local member(s) advised: Yes ☐ No ☐ consulted: Yes ☐ No ☐

PLEASE NOTE THE FOLLOWING:

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1. Background

- 1.1 Insight is the analytical tool available for all schools across Scotland. A number of indicators are included which allows attainment data at school level and at city level to be viewed in different ways.
- 1.2 Most of the data presented on Insight is single year data. Further work on the presentation of the data is needed to be able to show year-on-year progression which is critical for performance analysis.
- 1.3 This report has used data taken from Insight but presented in ways which show year-on-year progression.
- 1.4 The analysis offered in the paper has been based on cumulative data by the end of S5, and by the end of S6, over the last five years. Data on S4 has not been included at city level because some schools have chosen not to present groups of young people for national qualifications in S4 and instead focus on qualifications by the end of S5. One school does not present the entire year group for national qualifications in S4. This affects the meaningful relevance of the data as percentages are based on the total number of pupils in year group.
- 1.5 Insight allows the comparison of the performance of the authority or individual schools with their virtual comparator. Virtual comparators are created using data from pupils with similar characteristics such as SIMD¹ postcodes, additional support needs and gender.
- 1.6 The awards are gathered in terms of SCQF² levels, Appendix 1 shows the full SCQF framework.

2 SQA 2020 and 2021

- 2.1 In March 2020, all schools across Scotland closed as a result of the pandemic. The examination diet for 2020 was cancelled. In session 2020/21, young people's learning was again disrupted throughout the year including a second period of lockdown from January to March 2021.
- 2.2 This paper contains an analysis of performance across the last five years. Given the different approaches to certification which have taken place it would be inappropriate to draw significant conclusions from trends which include 2020 and 2021 data. However, in order to continue to improve it is critical that we consistently analyse performance data to consider area for further improvement.
- 2.3 As part of our quality improvement approaches, meetings are held with senior leadership teams in every secondary school to discuss performance and secondary schools write an Attainment analysis report. Data is also included in their annual Standards and Quality reports.

¹ Scottish Index of Multiple Deprivation

² Scottish Credit and Qualifications Framework, further information available on <http://scqf.org.uk/>

Insight: Breadth and Depth Indicator

3 By the end of S5

- 3.1 This indicator looks at the number of awards that young people have achieved by the end of a year. Insight allows you to compare performance with the local authority's virtual comparator authority as well as against national figures. It also allows the user to use a range of filters such as gender, EAL, additional support needs or minority ethnic.
- 3.2 The data in Insight includes all awards including those achieved in other schools and colleges. Schools are increasingly using a range of awards, including National Qualifications, National Progression Awards and vocational qualifications.

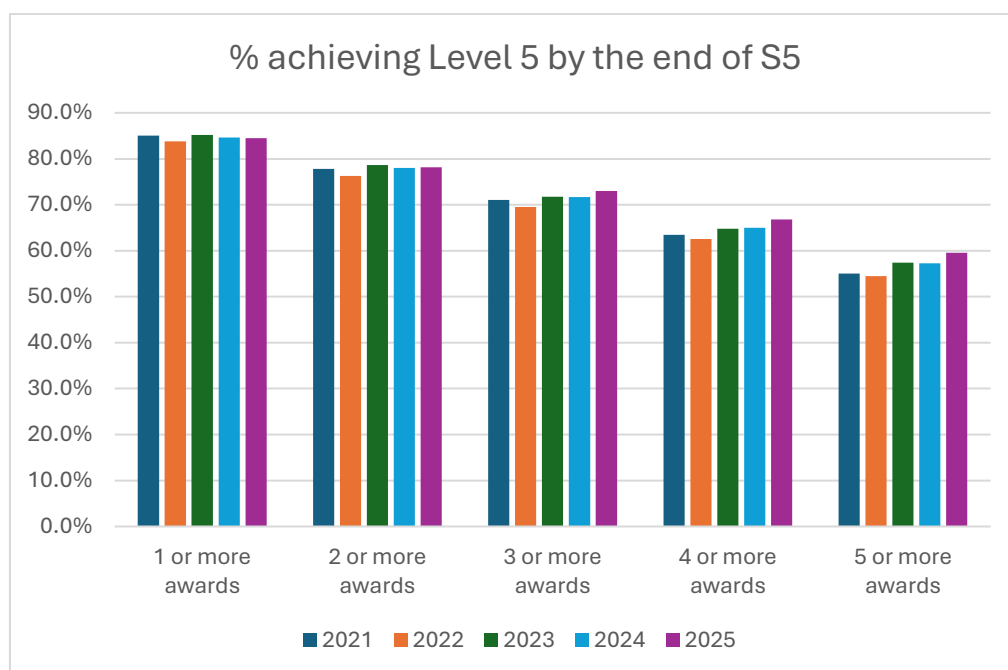


Table: SCQF level 5 by the end of S5 Glasgow and Virtual Comparator

	2021	2022	2023	2024	2025	2021 VC	2022 VC	2023 VC	2024 VC	2025 VC
1 or more awards	85.1%	83.8%	85.2%	84.6%	84.5%	82.6%	81.7%	81.7%	80.8%	81.8%
2 or more awards	77.8%	76.3%	78.6%	78.0%	78.2%	75.8%	73.7%	74.0%	72.8%	73.9%
3 or more awards	71.1%	69.6%	71.7%	71.7%	73.0%	69.6%	67.1%	67.4%	66.1%	67.9%
4 or more awards	63.5%	62.6%	64.8%	65.0%	66.8%	62.8%	60.0%	60.8%	59.6%	61.8%
5 or more awards	55.1%	54.5%	57.4%	57.3%	59.6%	55.6%	52.1%	53.7%	52.8%	55.2%

SCQF level 5 by the end of S5 National	2021	2022	2023	2024	2025
1 or more awards	88.2%	87.9%	87.2%	86.9%	86.4%
2 or more awards	83.1%	82.4%	81.5%	81.1%	80.7%
3 or more awards	78.4%	77.3%	76.2%	75.8%	76.0%
4 or more awards	72.8%	71.6%	70.5%	70.3%	70.9%
5 or more awards	66.4%	64.7%	64.2%	64.1%	65.2%

3.3 As can be seen from the tables above, Glasgow performs consistently better than its virtual comparator but remains below the national figures.

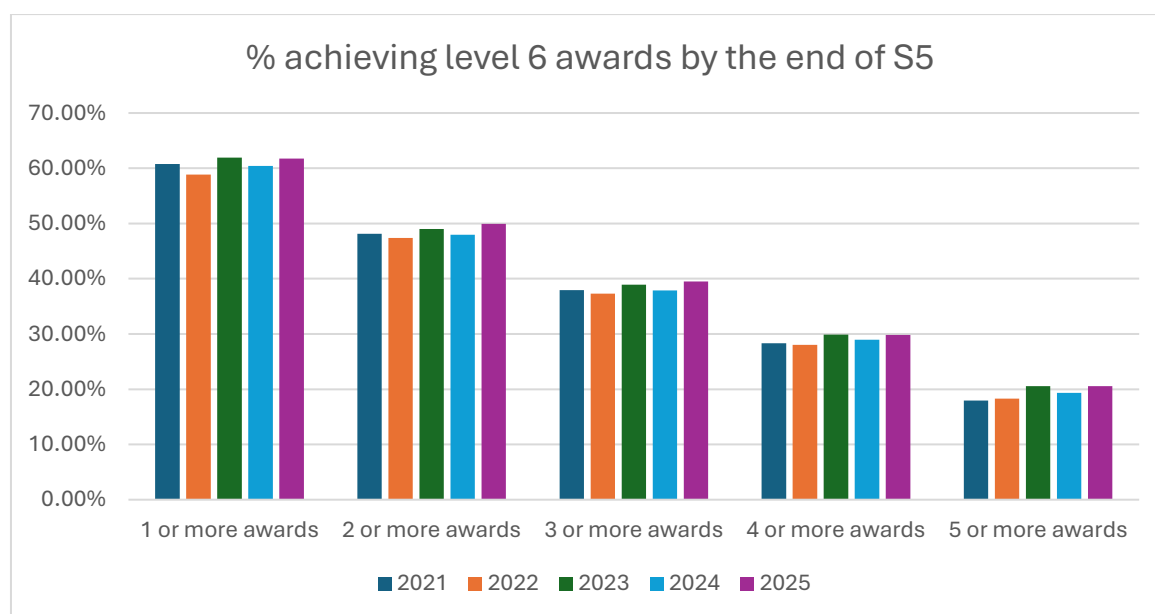


Table: SCQF level 6 by the end of S5 Glasgow and Virtual Comparator

	2021	2022	2023	2024	2025	2021 VC	2022 VC	2023 VC	2024 VC	2025 VC
1 or more awards	60.8%	58.9%	61.9%	60.4%	61.8%	55.3%	51.9%	53.8%	53.7%	55.6%
2 or more awards	48.1%	47.4%	49.0%	48.0%	50.0%	44.3%	40.9%	42.2%	41.1%	43.7%
3 or more awards	37.9%	37.3%	38.9%	37.9%	39.5%	35.2%	32.5%	33.9%	32.9%	35.0%
4 or more awards	28.33%	28.0%	29.9%	29.0%	29.9%	25.4%	24.1%	25.9%	24.7%	26.8%
5 or more awards	17.93%	18.3%	20.6%	19.3%	20.6%	15.5%	15.3%	16.5%	16.4%	18.3%

SCQF level 6 by the end of S5 National	2021	2022	2023	2024	2025
1 or more awards	66.0%	63.8%	63.6%	63.6%	64.5%
2 or more awards	56.6%	54.3%	53.5%	53.1%	54.2%
3 or more awards	47.8%	45.7%	45.0%	44.7%	45.9%
4 or more awards	37.1%	35.8%	36.2%	35.6%	37.2%
5 or more awards	24.7%	24.2%	25.0%	25.0%	26.9%

3.4 Similar to the level 5 figures, the performance by the end of S5 at level 6 shows that Glasgow continues to perform better than its virtual comparator and below the national figure.

4 By the end of S6

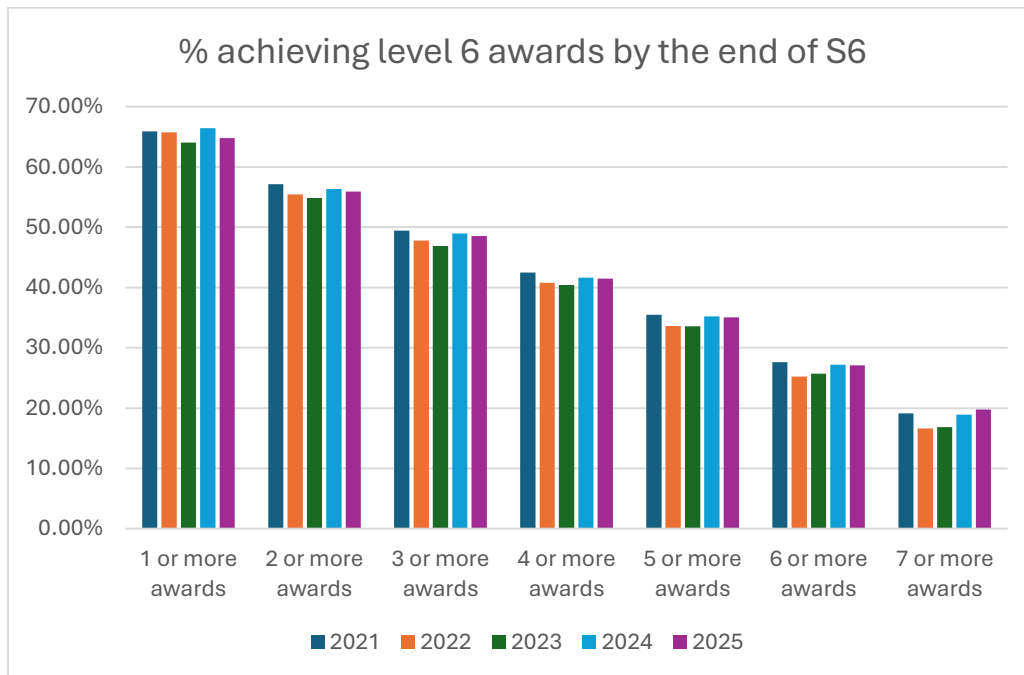


Table: SCQF level 6 by the end of S6 Glasgow and Virtual Comparator

	2021	2022	2023	2024	2025	2021 VC	2022 VC	2023 VC	2024 VC	2025 VC
1 or more awards	65.9%	65.7%	64.0%	66.4%	64.8%	56.1%	58.6%	55.3%	56.7%	56.3%
2 or more awards	57.2%	55.5%	54.8%	56.4%	55.9%	48.2%	50.0%	46.4%	47.5%	46.3%
3 or more awards	49.4%	47.8%	46.9%	49.0%	48.5%	41.5%	42.7%	39.9%	40.8%	40.1%
4 or more awards	42.5%	40.8%	40.4%	41.6%	41.5%	35.0%	36.0%	33.9%	34.7%	34.1%
5 or more awards	35.5%	33.6%	33.6%	35.2%	35.0%	28.2%	28.8%	27.4%	28.6%	28.4%
6 or more awards	27.6%	25.2%	25.7%	27.2%	27.1%	20.1%	20.6%	19.7%	21.3%	21.3%
7 or more awards	19.1%	16.6%	16.9%	18.9%	19.8%	12.6%	12.3%	12.6%	13.7%	14.3%

SCQF level 6 by the end of S6 National	2021	2022	2023	2024	2025
1 or more awards	67.7%	68.7%	66.5%	66.1%	65.9%
2 or more awards	61.0%	61.2%	58.8%	58.0%	57.8%
3 or more awards	54.9%	54.89%	52.4%	51.8%	51.8%
4 or more awards	48.4%	47.9%	45.9%	45.6%	45.7%
5 or more awards	41.0%	40.1%	38.5%	38.8%	39.1%
6 or more awards	30.3%	29.1%	28.6%	29.5%	30.1%
7 or more awards	19.1%	17.9%	18.3%	19.5%	20.4%

- 4.1 Note that by the end of S6, performance up to 7 or more awards has been included. This is to stress the importance of young people continuing to achieve qualifications and shows that schools are continuing to have high expectations for all their young people.
- 4.2 By the end of S6, the pattern of performance is broadly the same as by the end of S5 with Glasgow performing much better than its virtual comparator. Glasgow's figure is below the national figures for all measures.

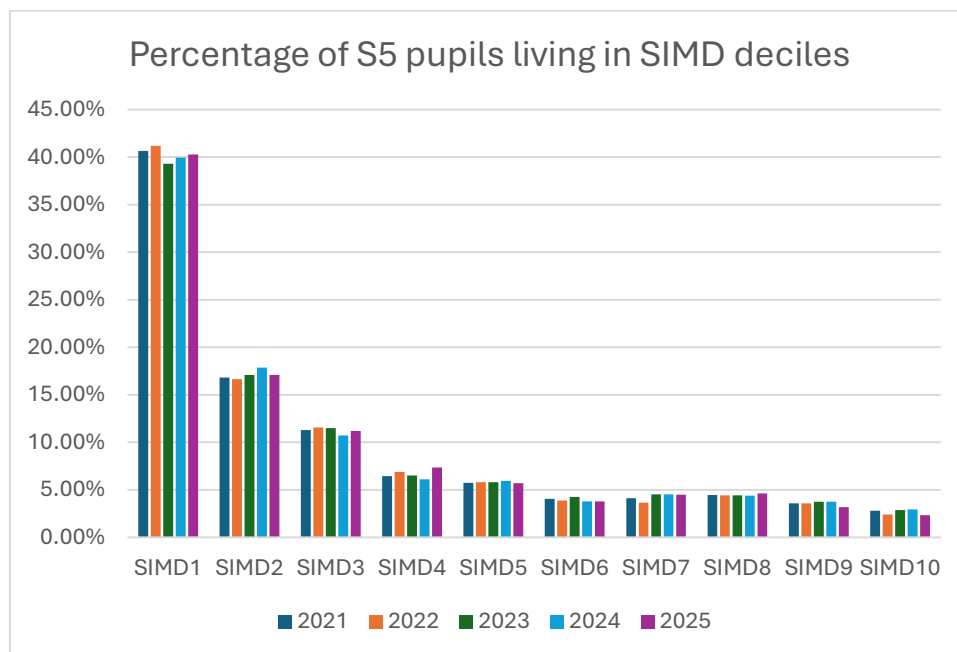
Insight: Attainment versus deprivation

5 By the end of S5

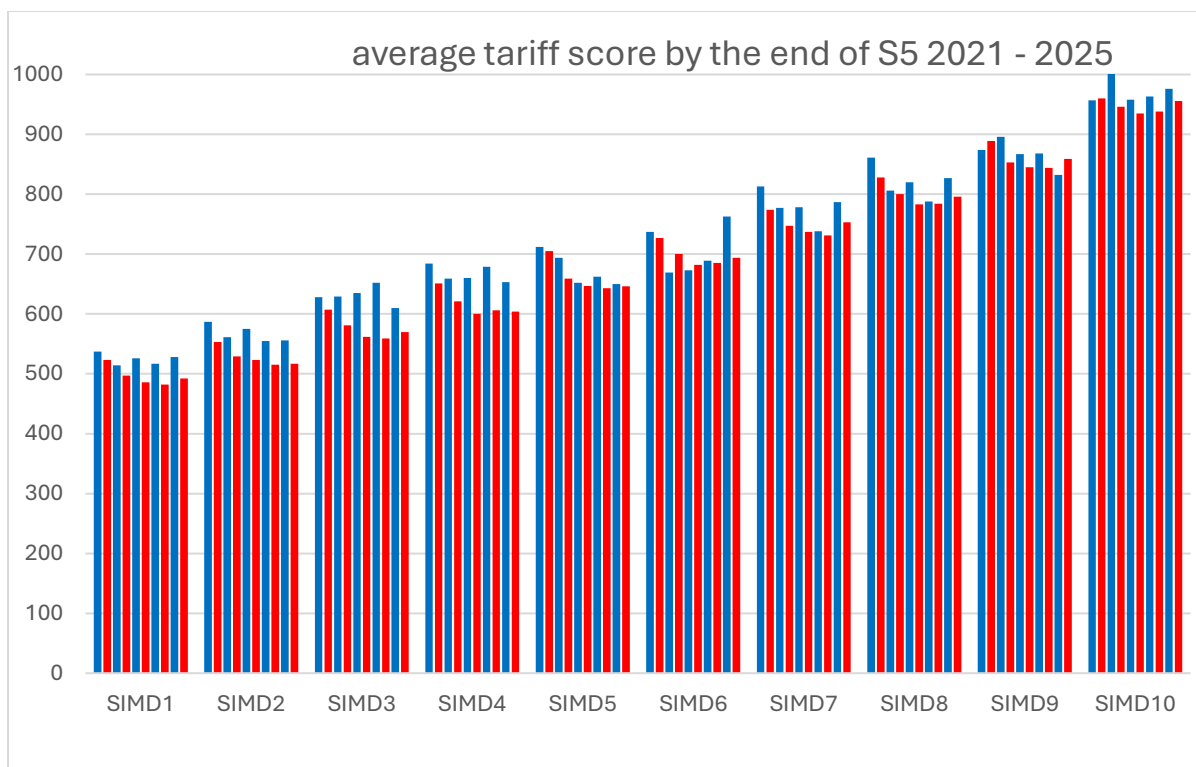
- 5.1 This statistic allows us to take into account pupils' postcodes and allows us to consider the impact of deprivation on attainment. The Scottish Index of Multiple

Deprivation (SIMD) is used. The attainment measure being used is 'average tariff score'.

- 5.2 Glasgow has the highest percentage of children living in poverty in Scotland and the SIMD profile of the city is quite different from other local authorities, with notably high percentages living in SIMD1 (10% most deprived postcodes) compared to SIMD10 (10% least deprived postcodes).
- 5.3 The graph below shows that around 40% of S5 pupils in Glasgow live in the 10% most deprived postcodes with less than 3% living in the 10% least deprived postcodes.

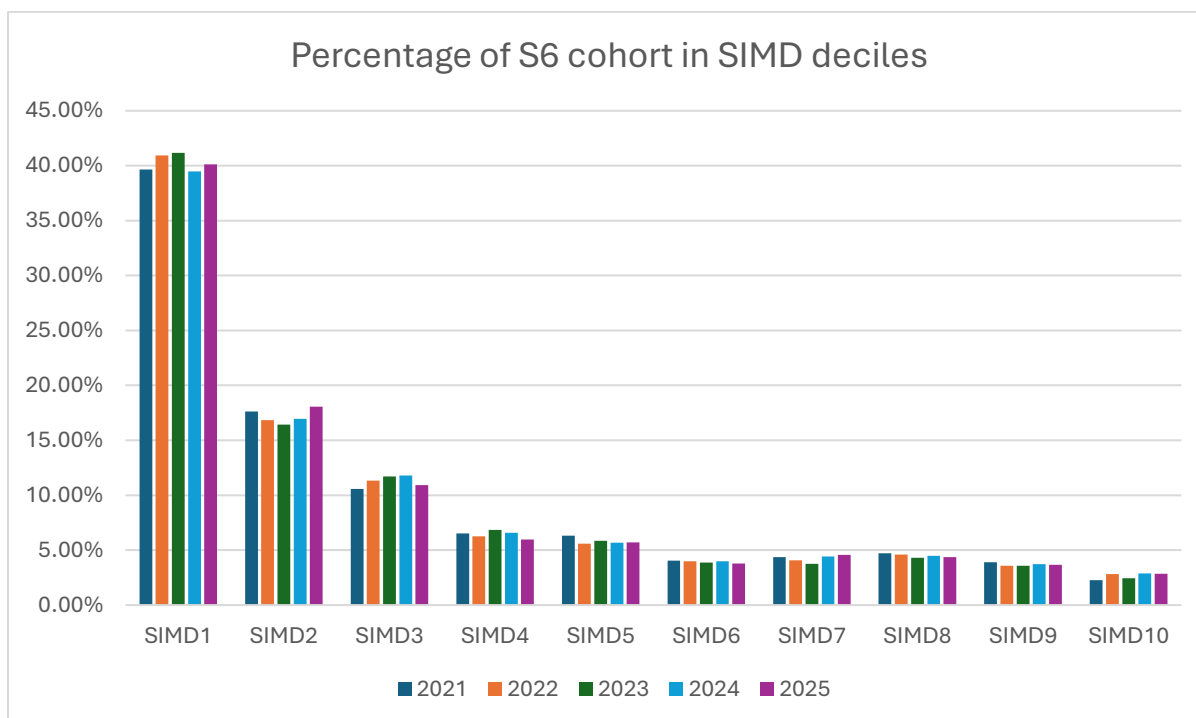


- 5.4 In the graph below the Glasgow figures are blue and the national figures are red.
- 5.5 However, the graph below shows that attainment continues to be linked to deprivation with pupils in SIMD10 having a higher average tariff score than those in SIMD1.
- 5.6 Positively, Glasgow's figures remain above the national figure for almost all the SIMD deciles showing that when deprivation is taken into account, Glasgow performs better than the national average.

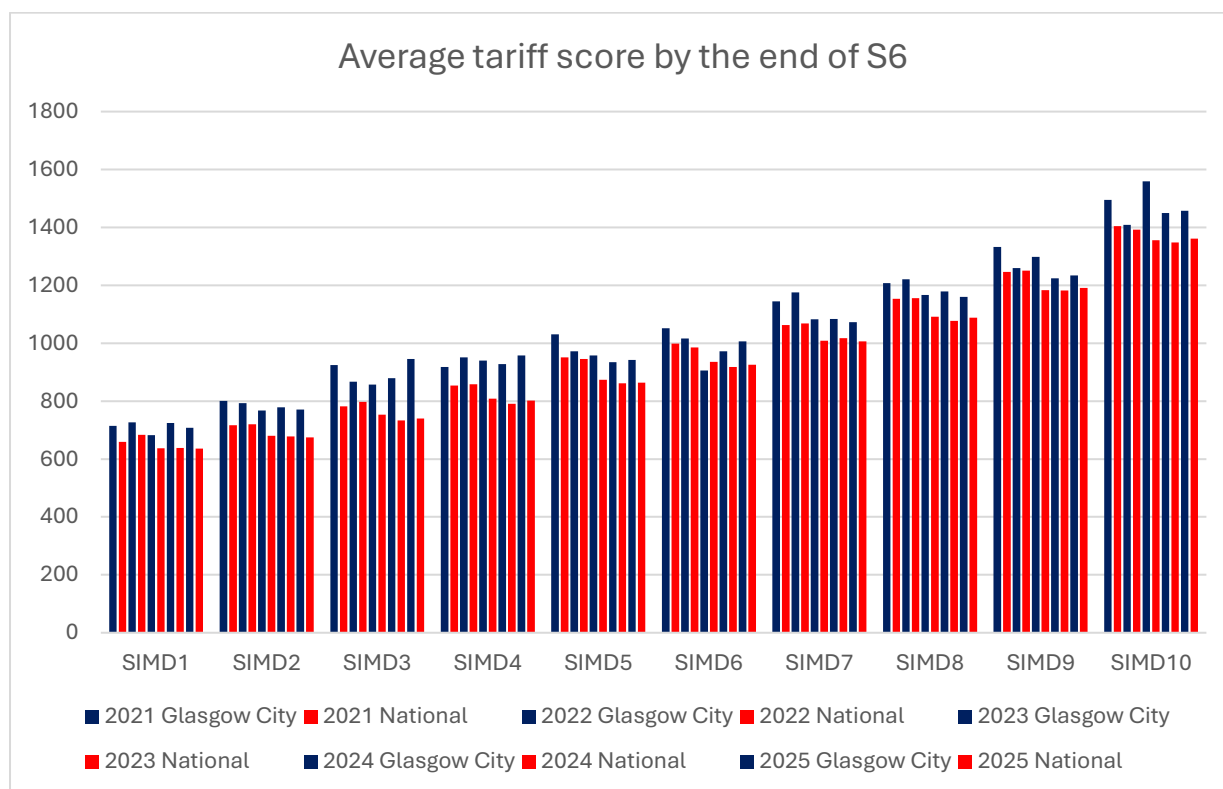


6 By the end of S6

6.1 The graph below shows that similar to S5, around 40% of S6 pupils live in the 10% most deprived postcodes with less than 3% in the 10% least deprived.



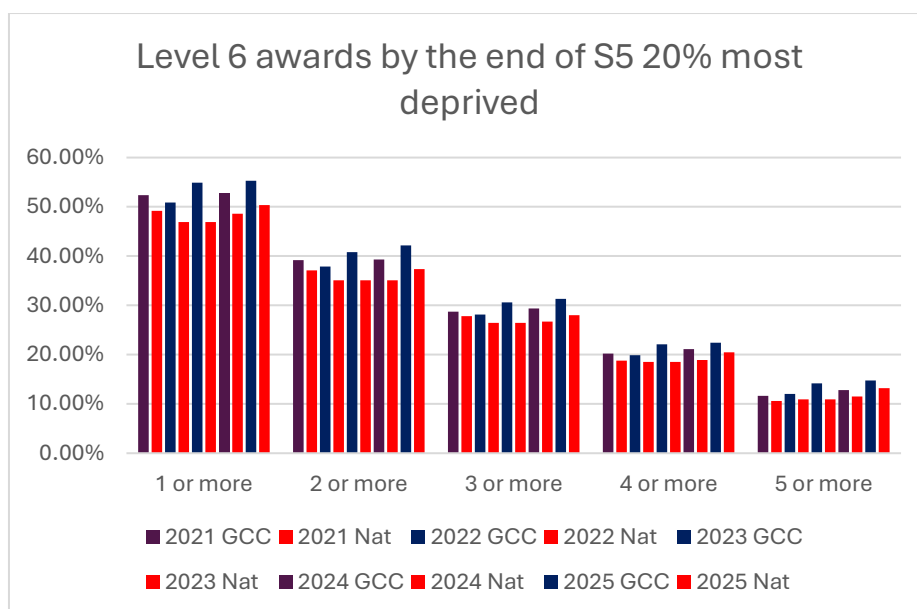
6.2 It can be seen that for almost all deciles Glasgow consistently performs better than the national average tariff score by the end of S6.



7 Breadth and depth attainment versus deprivation

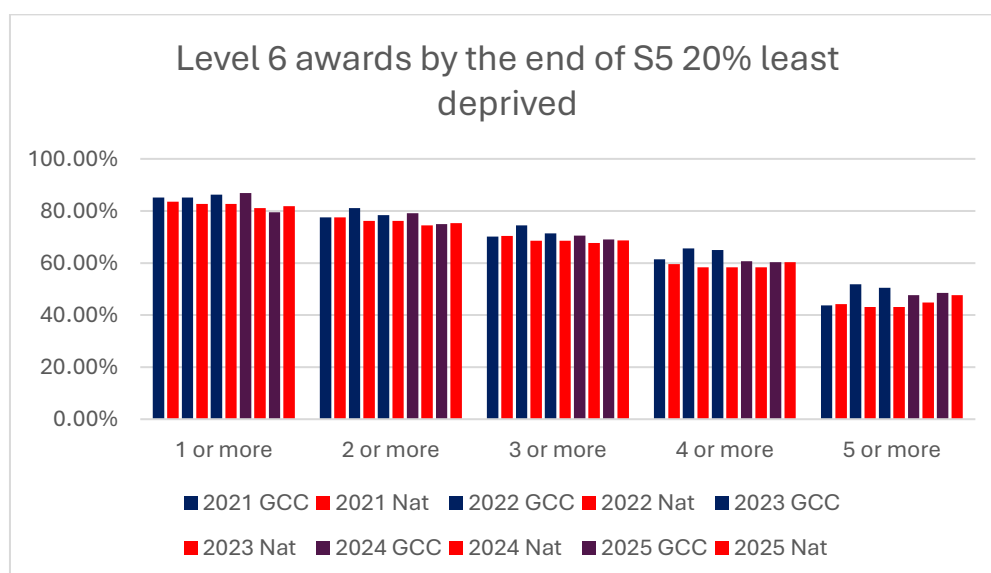
7.1 The Insight tool allows comparisons to be made by using a filter on Quintiles – where Quintile 1 is the 20% most deprived postcodes and Quintile 5 is the 20% least deprived postcodes. As the focus nationally and locally is on closing the poverty-related attainment gap, the tables and graphs in this section consider Level 6 attainment by the end of S5 for both Quintile 1 and Quintile 5.

Level 6	Quintile 1									
	2021		2022		2023		2024		2025	
	GCC	Nat	GCC	Nat	GCC	Nat	GCC	Nat	GCC	Nat
1 or more	52.4%	49.2%	50.9%	46.9%	54.9%	46.9%	52.7%	48.6%	55.32%	50.36%
2 or more	39.2%	37.1%	37.9%	35.1%	40.8%	35.1%	39.3%	35.1%	42.20%	37.36%
3 or more	28.7%	27.8%	28.2%	26.4%	30.6%	26.4%	29.4%	26.7%	31.33%	28.03%
4 or more	20.2%	18.8%	19.9%	18.6%	22.1%	18.6%	21.1%	18.9%	22.45%	20.48%
5 or more	11.6%	10.6%	12.0%	10.9%	14.2%	10.9%	12.8%	11.5%	14.73%	13.21%



7.2 The table and graph above show that Glasgow performs better than the national figure for all measures for those young people living in the 20% most deprived postcodes.

Level 6	Quintile 5									
	2021		2022		2023		2024		2025	
	GCC	Nat	GCC	Nat	GCC	Nat	GCC	Nat	GCC	Nat
1 or more	85.2%	83.5%	85.2%	82.7%	86.3%	82.7%	86.9%	81.1%	79.48%	81.79%
2 or more	77.5%	77.5%	81.1%	76.2%	78.4%	76.2%	79.1%	74.5%	74.92%	75.31%
3 or more	70.1%	70.4%	74.4%	68.6%	71.4%	68.6%	70.5%	67.7%	69.06%	68.71%
4 or more	61.4%	59.6%	65.7%	58.4%	65.0%	58.4%	60.7%	58.3%	60.26%	60.26%
5 or more	43.7%	44.2%	51.9%	43.2%	50.4%	43.2%	47.6%	44.8%	48.53%	47.62%



- 7.3 The table and graph above show that for the relatively small number in Quintile 5, Glasgow performs below the national figure for 2025.
- 7.4 However, when looking at the last three years, the gap between the 20% least deprived and the 20% most deprived in Glasgow has narrowed which is very commendable. Nationally, the gap between 20% least deprived and 20% most deprived shows a slight narrowing except for higher attaining pupils where it widened.

Glasgow	2022	2023	2024	2025
1 or more	34.31%	31.43%	34.17%	24.16%
2 or more	43.23%	37.65%	39.82%	32.72%
3 or more	46.24%	40.79%	41.12%	37.73%
4 or more	45.75%	42.91%	39.59%	37.81%
5 or more	39.81%	36.25%	34.79%	33.80%

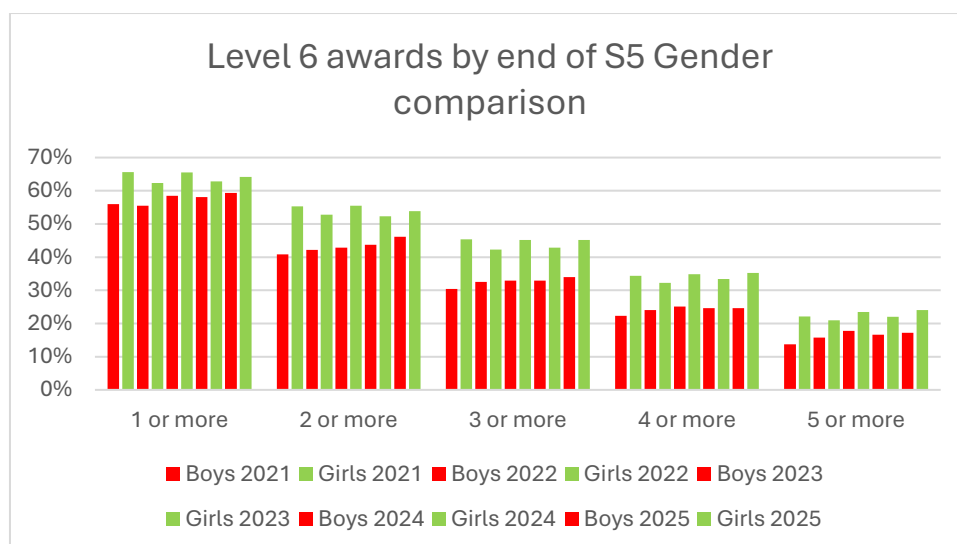
National	2022	2023	2024	2025
1 or more	35.80%	33.04%	32.53%	31.43%
2 or more	41.15%	39.58%	39.38%	37.95%
3 or more	42.15%	40.94%	41.06%	40.68%
4 or more	39.81%	39.97%	39.42%	39.78%
5 or more	32.26%	33.04%	33.32%	34.41%

- 7.5 It is worth noting the numbers in each category for Glasgow.

	2021	2022	2023	2024	2025
No. in 20% most deprived	2802	2883	2918	3100	3185
No. in 20% least deprived	311	297	343	359	307

8 Gender comparison

- 8.1 The table and graph below show that girls consistently perform better than boys. The numbers of boys and girls in each year is broadly equivalent.
- 8.2 It can be seen from the table and the graph that the gap between boys and girls performance has stayed broadly the same for higher attaining pupils but narrowed for those achieving one or two awards.



Awards at SCQF level 6 by the end of S5

	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
	2021	2021	2022	2022	2023	2023	2024	2024	2025	2025
1 or more	56.0%	65.6%	55.5%	62.4%	58.5%	65.5%	58.1%	62.8%	59.4%	64.2%
2 or more	40.9%	55.3%	42.2%	52.8%	42.8%	55.5%	43.7%	52.3%	46.1%	53.9%
3 or more	30.5%	45.4%	32.5%	42.3%	32.9%	45.1%	33.0%	42.9%	34.0%	45.1%
4 or more	22.3%	34.3%	24.0%	32.2%	25.1%	34.9%	24.6%	33.4%	24.6%	35.2%
5 or more	13.7%	22.2%	15.8%	20.9%	17.8%	23.5%	16.7%	22.1%	17.2%	24.0%

Gap	2021	2022	2023	2024	2025
1 or more	9.64%	6.86%	6.96%	4.71%	4.86%
2 or more	14.46%	10.64%	12.62%	8.59%	7.76%
3 or more	14.91%	9.74%	12.21%	9.89%	11.12%
4 or more	12.04%	8.19%	9.76%	8.78%	10.65%
5 or more	8.47%	5.14%	5.67%	5.41%	6.88%

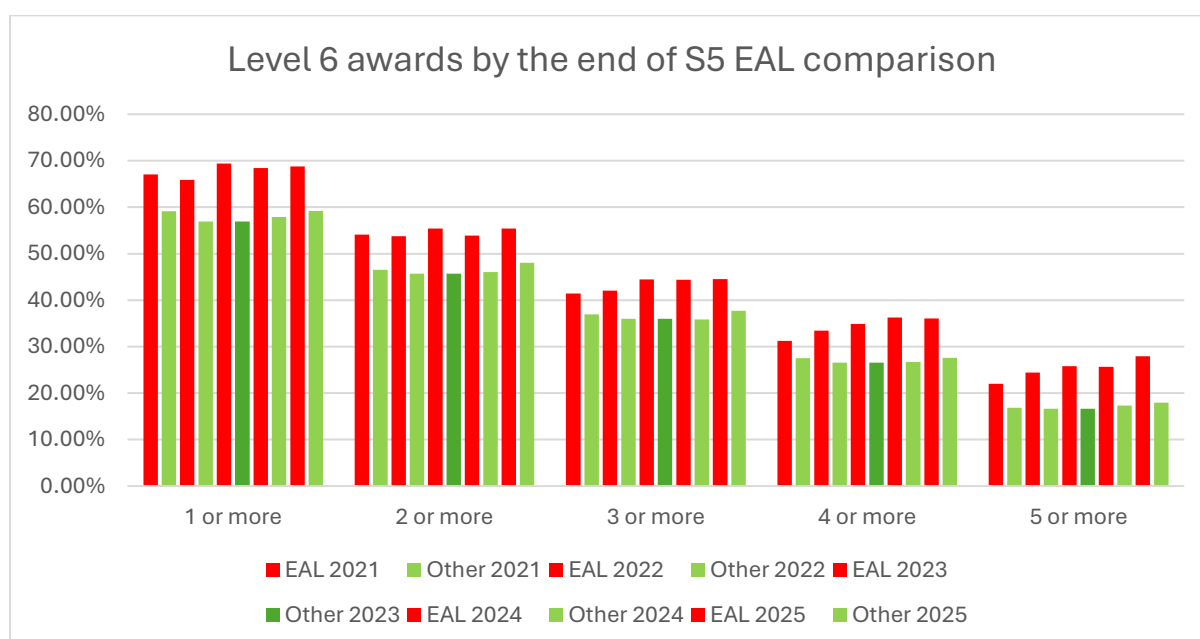
	2021	2022	2023	2024	2025
No. of boys	2427	2539	2640	2697	2814
No. of girls	2447	2446	2535	2665	2741

9 English as an additional language comparison

- 9.1 The table and graph below show that young people with English as an Additional Language perform consistently better than those young people who do not have English as an Additional Language (EAL).

Awards at SCQF level 6 by the end of S5

	EAL	Other	EAL	Other	EAL	Other	EAL	Other	EAL	Other
	2021	2021	2022	2022	2023	2023	2024	2024	2025	2025
1 or more	67.0%	59.1%	65.9%	56.9%	69.4%	56.9%	68.4%	57.9%	68.8%	59.2%
2 or more	54.1%	46.5%	53.7%	45.7%	55.4%	45.7%	53.9%	46.1%	55.4%	48.0%
3 or more	41.4%	37.0%	42.1%	36.0%	44.4%	36.0%	44.4%	35.8%	44.5%	37.7%
4 or more	31.3%	27.5%	33.5%	26.6%	34.9%	26.6%	36.2%	26.7%	36.1%	27.6%
5 or more	22.0%	16.8%	24.4%	16.7%	25.8%	16.7%	25.7%	17.4%	27.9%	17.9%



9.2 The table shows the numbers of pupils in each category.

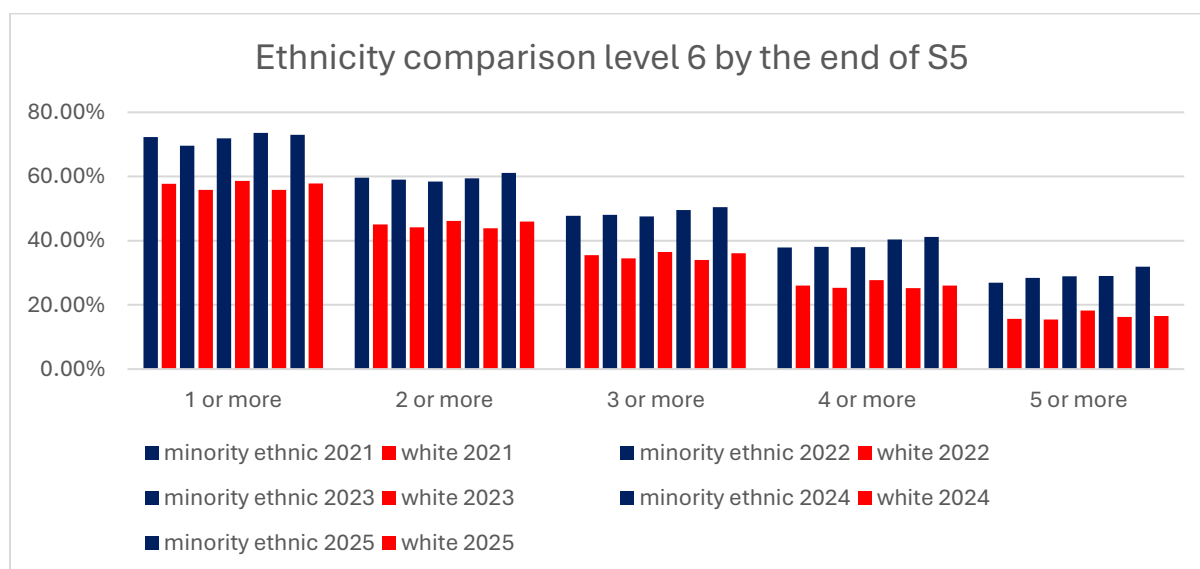
	2021	2022	2023	2024	2025
No. of EAL	1040	1070	1258	1286	1466
No. of Other	3834	3915	3917	4076	4089

10 Ethnicity comparison

10.1 The table and graph below show that young people who have identified as 'minority ethnic' perform consistently much better than those who have identified as 'white'.

Awards at SCQF level 6 by the end of S5

	Minority ethnic	White	Minority ethnic	White	Minority ethnic	White	Minority ethnic	White	Minority ethnic	White
	2021	2021	2022	2022	2023	2023	2024	2024	2025	2025
1 or more	72.3%	57.7%	69.6%	55.8%	71.9%	58.6%	73.6%	55.9%	73.0%	57.8%
2 or more	59.7%	45.1%	59.0%	44.2%	58.5%	46.1%	59.4%	43.9%	61.1%	46.0%
3 or more	47.7%	35.5%	48.1%	34.5%	47.6%	36.5%	49.6%	34.0%	50.4%	36.1%
4 or more	37.9%	26.0%	38.1%	25.3%	38.0%	27.7%	40.4%	25.3%	41.2%	26.0%
5 or more	26.9%	15.6%	28.5%	15.5%	28.9%	18.2%	29.0%	16.2%	32.0%	16.6%



10.2 The table shows the numbers of pupils who have identified as White and Minority Ethnic. Note that there is a small number (less than 100 each year) who are categorised as 'not known'.

	2021	2022	2023	2024	2025
No. of White	3624	3678	3695	3822	3803
No. of Minority Ethnic	1054	1100	1226	1271	1458

11 Policy and Resource Implications

Resource Implications:

<i>Financial:</i>	As well as the Education Services budget, Glasgow receives additional funding from the Scottish Government's Scottish Attainment Challenge funding. As well as the Education Services budget. Schools also receive Pupil Equity Funding based on the numbers of children entitled to free school meals.
<i>Legal:</i>	In line with the Standards in Scotland's Schools etc. Act 2000 and Education Act 2016.
<i>Personnel:</i>	There are some additional staff appointed due to the additional funding.
<i>Procurement:</i>	N/A

Council Strategic Plan:	Grand Challenge 1 – Reduce poverty and inequality in our communities. Mission 2: Meet the learning and care needs of children and their families before and through school. Grand Challenge 2 – Increase opportunity and prosperity for all our citizens. Mission 3: Raise attainment amongst Glasgow's children and young people.
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Equality and Socio-Economic Impacts:

<i>Does the proposal support the Council's Equality Outcomes 2021-25? Please specify.</i>	Outcome 14: Glasgow City Council (Education Services) has continued to improve outcomes in relation to attainment and achievement for children and young people including those experiencing socio-economic disadvantage, those for whom English is not their first language, those who identify as black and minority ethnic, and disabled children and young people.
<i>What are the potential equality impacts as a result of this report?</i>	Significant impact in relation to improving opportunities and outcomes for children and young people.
<i>Please highlight if the policy/proposal will help address socio-economic disadvantage.</i>	Continuing to analyse data across key indicators supports improvement in performance and, ultimately, better outcomes for young people.

Climate Impacts:

Does the proposal support any Climate Plan actions? Please specify:

No

What are the potential climate impacts as a result of this proposal?

N/A

Will the proposal contribute to Glasgow's net zero carbon target?

No

Privacy and Data Protection Impacts:

Are there any potential data protection impacts as a result of this report

No

Y/N

If Yes, please confirm that a Data Protection Impact Assessment (DPIA) has been carried out

12 Recommendations

12.1 The Committee is asked to consider the content of the report, note the positive outcomes for young people across the city and the focus on improving further.

Appendix 1

SCQF Levels	SQA Qualifications			Qualifications of Higher Education Institutions	Apprenticeships & SVQs
12			↑	Doctoral Degree	Professional Apprenticeship
11				Masters Degree, Integrated Masters Degree, Post Graduate Diploma, Post Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship SVQ
10				Honours Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship
9				Bachelors / Ordinary Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Technical Apprenticeship SVQ
8		Higher National Diploma	↑ ↓	Diploma Of Higher Education	Higher Apprenticeship Technical Apprenticeship SVQ
7	Advanced Higher, Awards, Scottish Baccalaureate	Higher National Certificate		Certificate Of Higher Education	Modern Apprenticeship SVQ
6	Higher, Awards, Skills for Work Higher				Modern Apprenticeship Foundation Apprenticeship SVQ
5	National 5, Awards, Skills for Work National 5				Modern Apprenticeship SVQ
4	National 4, Awards, Skills for Work National 4	National Certificate	National Progression Award		SVQ
3	National 3, Awards, Skills for Work National 3				
2	National 2, Awards		↓		
1	National 1, Awards				

Appendix 2 From *Insight technical information (updated September 2023)*

Insight allows schools to compare their performance to the performance of a Virtual Comparator. The Virtual Comparator is made up of pupils from schools in other local authorities who have similar characteristics to the pupils in your school. It allows you to see how the performance of your pupils compares to a similar group of pupils from across Scotland to help you undertake self-evaluation and improvement activities.

a) Methodology for leavers-based Virtual Comparators

For each pupil in the cohort of interest (e.g. S4 pupils in School A), 10 matching pupils are randomly selected without replacement from other local authorities based on the following characteristics:

• Sex • Additional support needs: • No additional support needs • Additional support needs but spend 80% or more of their time in mainstream education • Additional support needs and spend less than 80% of their time in mainstream education • Latest stage is defined as 'stage of leaving' for leavers and 'latest stage attained in current year' for August attainment. • Scottish Index of Multiple Deprivation vigintile.

This allows Virtual Comparators to be produced for the target cohort of interest. So, if school B has 20 school leavers all of whom have the same characteristics, 200 different pupils with these same characteristics from schools in the other 31 local authorities will be selected to compare them to. The maximum cohort in a school for which a Virtual Comparator is produced is the senior phase (S4 to S6). The leavers-based Virtual Comparator is created from all of the matched pupils meaning that it will have ten times as many pupils and that the characteristics of the Virtual Comparator will match its target group. Analysis revealed that four matches per target pupil would have been perfectly adequate but we have chosen to select ten matches for even greater precision. The characteristics were selected due to their significance in explaining variation in the attainment and destinations of leavers. Independent advice concluded that these variables were highly statistically significant and that they seem to strike a reasonable balance between matching a pupil appropriately and not having so many variables that matching some individuals is hard to achieve. There are few instances of pupils having missing data for these characteristics. The most common characteristic to be missing is SIMD data zone (affecting less than 0.5% of records). Missing data zones are due to missing or invalid postcodes and in these cases, the data zone for the pupil's base centre is used as a proxy.

The latest stage is included even though it is a combination of an input and an output measure. For example, if a pupil does not stay on to S5 then they do not have the option of taking Higher or Advanced Higher qualifications, so will have lower attainment. However by having lower attainment the pupil would be less likely to stay on. In addition, in some local authorities, college provision is widely available and preferred so many pupils leave at the end of S4 and continue their education at college instead of staying on to S5 and S6. Note that filtering for characteristics which are not used for Virtual Comparator matching (e.g. LAC) will still display the school filtered for that characteristic and the Virtual Comparator pupils which match those school pupils. However the Virtual Comparator pupils may not have the same LAC category. Insight uses SIMD 2020 data for years 2020/21 onwards in all national and local measures. No historic SIMD data has been re-calculated so all

years prior to 2021 continue to be based on SIMD 2016, (and years prior to 2017 continue to be based on SIMD 2012).

b) Methodology for stage-based Virtual Comparators

The Virtual Comparator for stage based measures is more complicated. When considering attainment within one stage (e.g. calculation stage = S5 and basis stage = S5), the VC will be based on 10 matches to each pupil in S5. For measures where the calculation stage and basis stage are different (e.g. S6 based on S4) this is less straightforward. In defining the Virtual Comparator for these measures, consideration was given to whether the VC should be built from the matches for the pupils when they were in S4 or at their point of exit from school. Following consultation through the Statistics Working Group, it was felt that the leaver based measures already adequately capture a comparison at the point of exit. It was therefore agreed that these types of measure should be compared with the S4 Virtual Comparators to consider how both sets of pupils progress by the time of reaching S5 or S6. This means that the matched pupils could have left at different points in the senior phase when compared to your own pupils, offering a richer understanding of the situation in the school. However this also results in the situation where sometimes, within an SIMD decile, the number of candidates is not 10 times the number in the school. This happens because some pupils move between S4 and S6 and therefore change decile. As a result, whilst these pupils would have been matched to the same decile in S4, by the time they reach S6 some of their datazones and therefore deciles have changed. You will still find that the total number of VCs for the school is always 10 times the number of pupils.

c) Methodology where insufficient pupils match characteristics

For a very small number of pupils (most likely those with additional support needs that spend less than 80% of their time in mainstream education), we may run out of pupils to match to. Where this happens, we:

- collapse by sex in the first instance (so that we are picking from both male and female pupils that match the other characteristics)
- move into the neighbouring SIMD vigintiles
- for pupils with ASN who are less than 80% mainstream it may also be necessary to collapse by stage

Learning from the preview editions of the tool, we have strengthened the implementation of the selection methodology to reduce the number of instances in which the characteristics for matching need to be widened in this way resulting in many fewer inexact matches.

d) Difference between leavers and August attainment methods

It is not possible to carry forward August attainment virtual pupils picked on the latest stage in current year into the leavers' matches. This is because some of the Virtual Comparators will not have left school and so will have no destination (there will also be issues of bias as the comparators could have stayed on, so may have had better attainment to start with). It is also not possible to use stage of leaving when picking Virtual Comparators for August attainment as we do not have leaver information at that time. Virtual Comparators for these two groups are therefore picked separately. This means that stage of leaving is not controlled for in the stage-cohort analysis and

therefore, in certain cases, a school could perform consistently above its VC on the leavers analysis and consistently below it on the cohort analysis. In the stage based measures when you are considering, for example, S6 of S4, the matched pupils in your Virtual Comparator may have left at different points in the senior phase when compared to your own pupils. The difference between the two offers a richer understanding of the situation in the school.

e) Development of the Methodology

The methodology implemented in the tool was developed by the Scottish Government in consultation with stakeholders, which includes independent advice from Professor John McColl at the University of Glasgow. Other options were considered and we have taken forward a methodology which was found to be both appropriate and easily accessible for end users.

Regular health checks on the Virtual Comparator methodology have been performed and have provided reassurance that it is performing as expected.