

Should schools be held accountable
for *all* pupils they teach?

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How much should each pupil count?



100%?



83%?

Reweighting 2013/14 Data

- Track a cohort from Year 7 in 2009/10 to Year 11 in 2013/14 using School Census
- Count number of terms on roll (max=15)
- 2,800 mainstream schools (excludes schools with intake in Year 8 or later)
- 518 thousand pupils in Autumn 2009

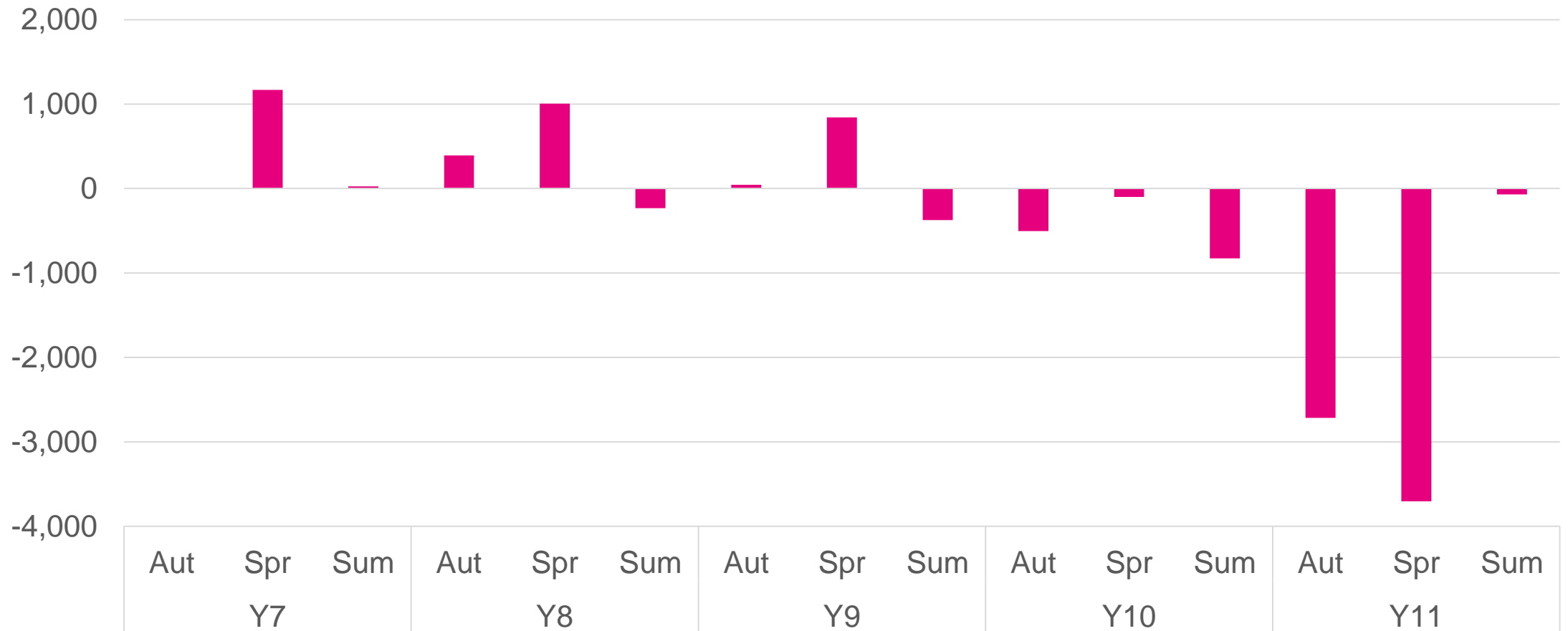
Pupil example

PMR	LAEstab	AcademicYear	Term	NCYearActual	OnRoll
101010101	9994001	2010	Aut	7	1
101010101	9994001	2010	Spr	7	1
101010101	9994001	2010	Sum	7	1
101010101	9994001	2011	Aut	8	1
101010101	9994001	2011	Spr	8	1
101010101	9994001	2011	Sum	8	1
101010101	9994001	2012	Aut	9	1
101010101	9994001	2012	Spr	9	1
101010101	9994001	2012	Sum	9	1

Issues

- Changes in LAEstab
 - Within School Census
 - Matching to KS4 data
- Schools with >1 intake
- Errors in NCYearActual
- Pupils genuinely changing NCYearActual

Migration in and out of mainstream schools



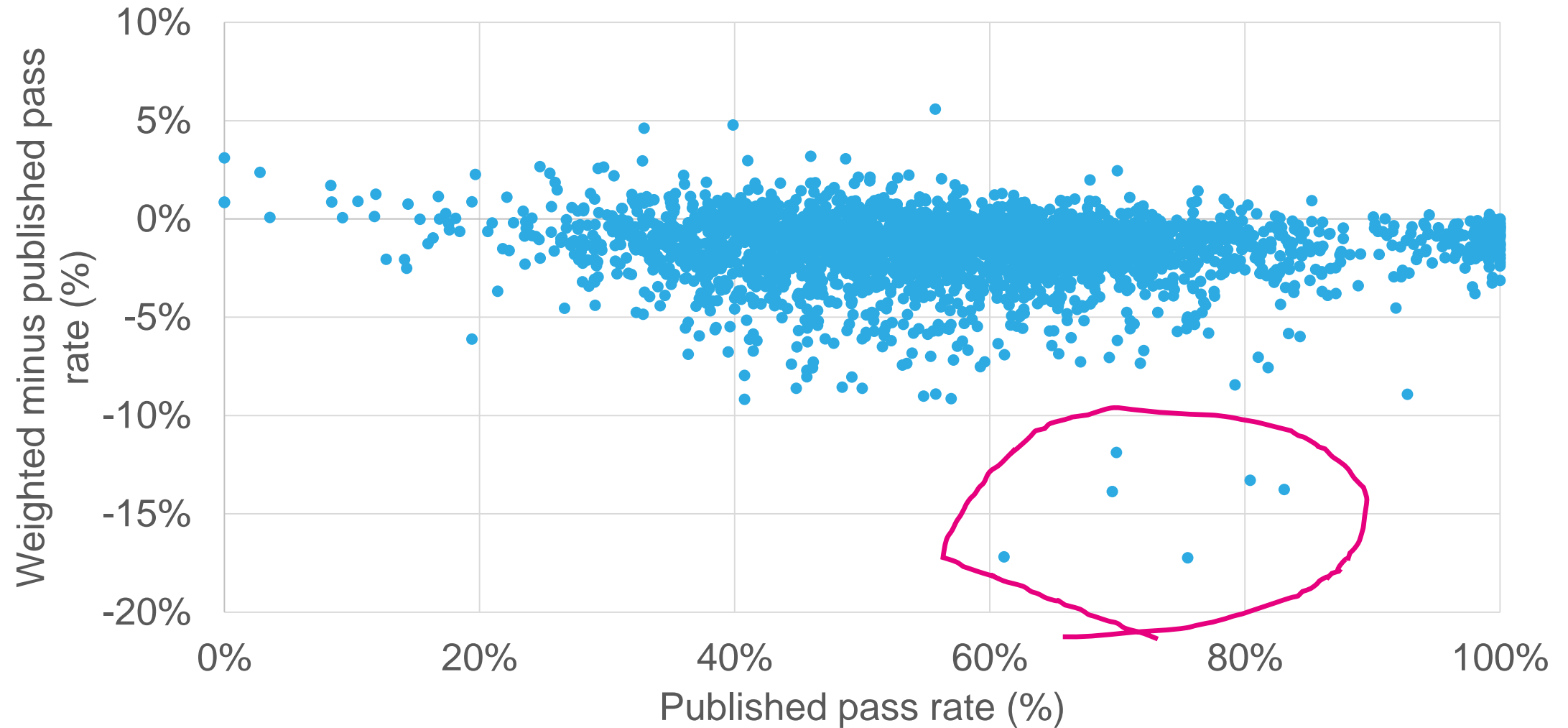
School KS4 example

Pupil	Date joined	Date left	Terms on-roll	5A*-C (EM)
A	Sep-09	May-14	15	Y
B	Sep-09	May-14	15	Y
C	Sep-09	Jun-12	9	N
D	Sep-09	Jun-10	6	Y
E	Dec-11	May-14	8	Y

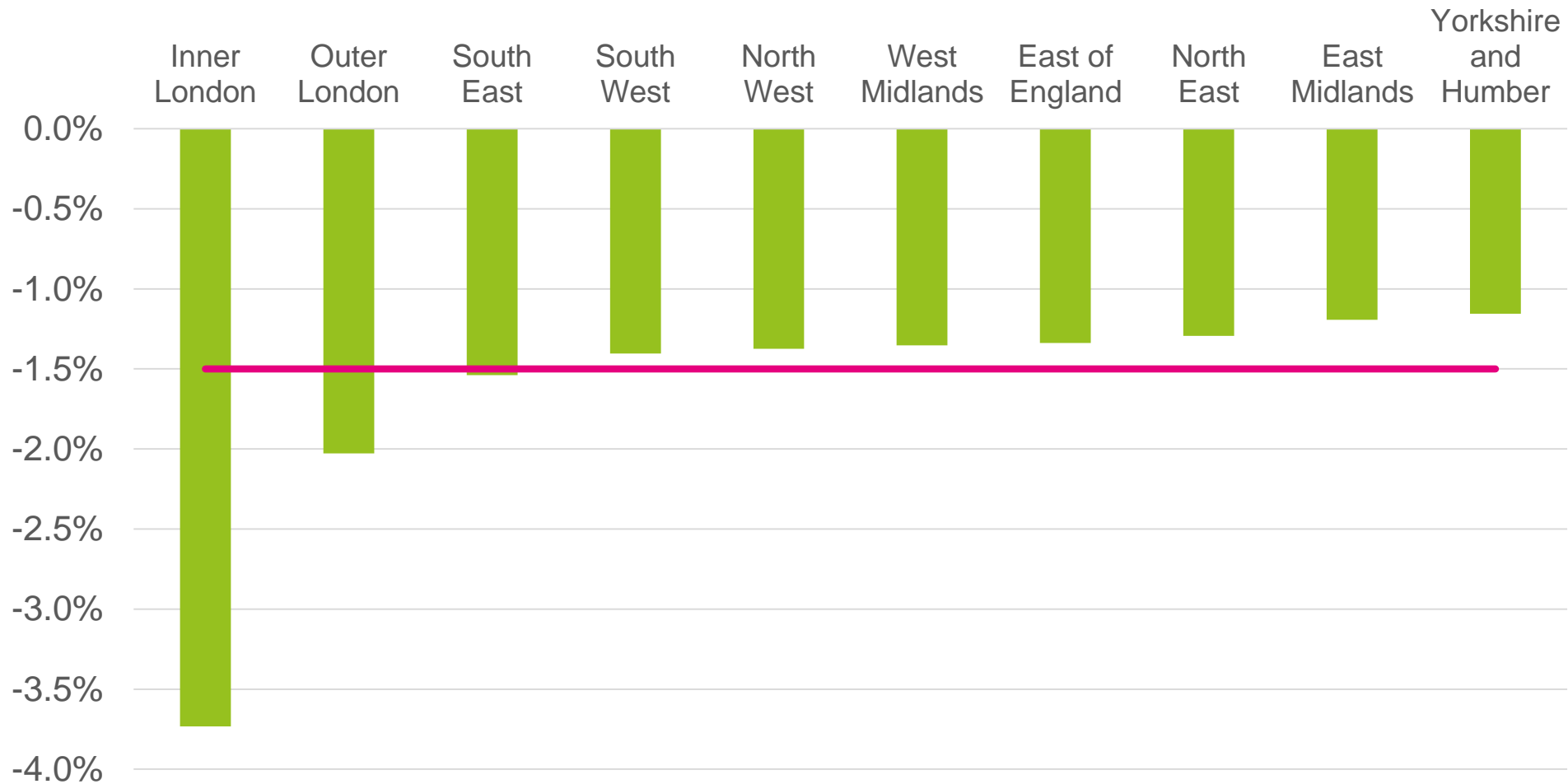
School KS4 example

Pupil	Date joined	Date left	Terms on-roll	5A*-C (EM)	Weight
A	Sep-09	May-14	15	Y	1
B	Sep-09	May-14	15	Y	1
C	Sep-09	Jun-12	9	N	0.6
D	Sep-09	Jun-10	6	Y	0.4
E	Dec-11	May-14	8	Y	0.53

What difference does it make?



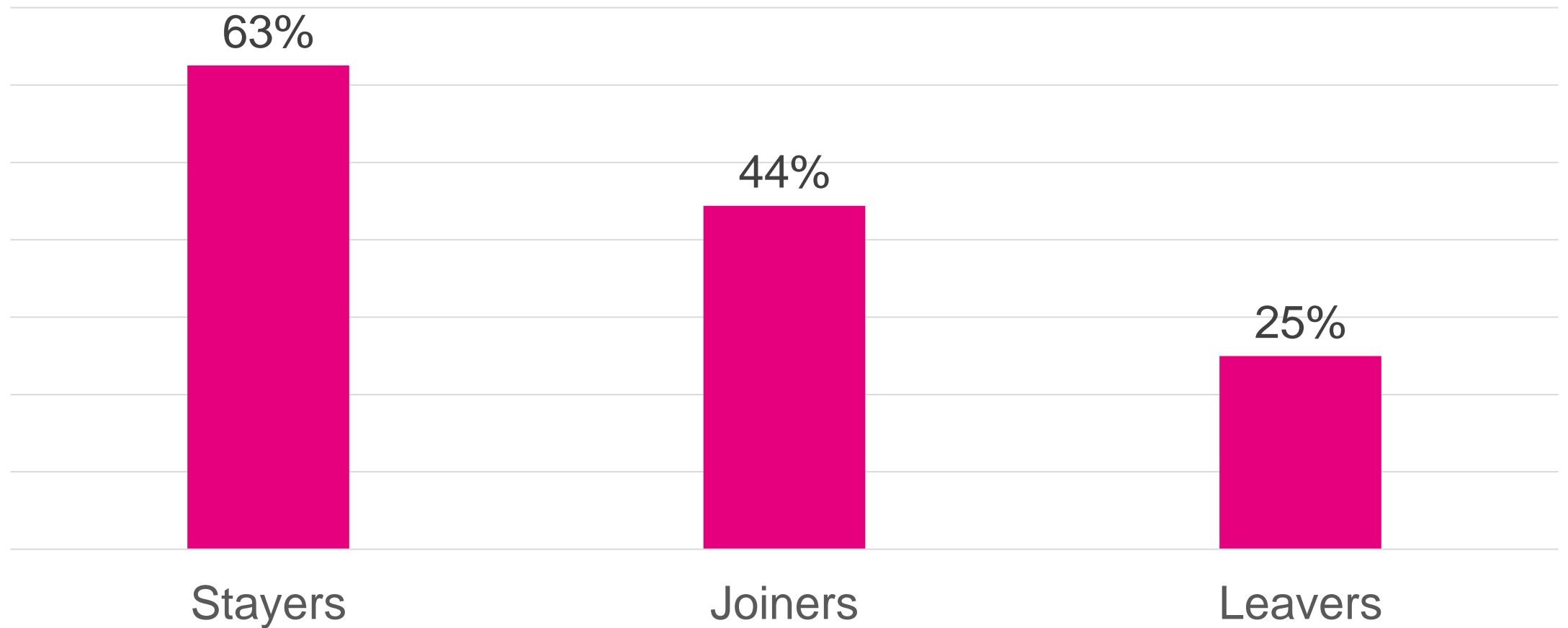
Difference by Region



Leavers

- 85 thousand instances of a pupil leaving a school
- 74 thousand distinct pupils
- 57% were eligible for FSM at some point in their school career (cf. 31% for the 2014 KS4 cohort)
- KS4 attainment was lower

%5A*-C (EM) by Pupil Group



Final destination of leavers

Final Destination	% of transfers	% AC5EM	% FSM Ever
State-funded mainstream schools	57%	40%	58%
Independent schools	4%	38%	23%
State-funded and independent special schools	4%	1%	73%
Alternative provision	10%	2%	78%
Local authority	2%	1%	78%
Other types of institution	1%	3%	65%
No institution found	22%	1%	45%
Total	100%	25%	57%

A shape of things to come?

2015 headline performance at key stage 4 (KS4) - all pupils							
School name [▲]	Type of school [◆]	Number of pupils at the end of key stage 4 [◆]	Made expected progress between KS2 and KS4		Achievement		
			English [◆] ?	Maths [◆] ?	5+ A*-C [◆] GCSEs or equivalent inc English & maths GCSEs	English [◆] Baccalaureate ?	A*-C in [◆] English and maths GCSEs
England - state-funded schools only		553446	71.10%	66.90%	57.10%	24.30%	59.20%
Hull College	College	94	20%	15%	11%	0%	11%
Remove							
Leeds City College	College	70	14%	17%	3%	0%	9%
Remove							
London South East Colleges	College	23	0%	29%	0%	0%	0%
Remove							
Middlesbrough College	College	12	0%	0%	0%	0%	0%
Remove							
NCG	College	51	8%	12%	6%	0%	8%
Remove							

Extending the work

Do some types of schools 'lose' disproportionate numbers of children?

See www.educationdatalab.org.uk/blog and [@edudatalab](https://twitter.com/edudatalab) on Twitter next week for our take on this.



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