

School Roll Projections

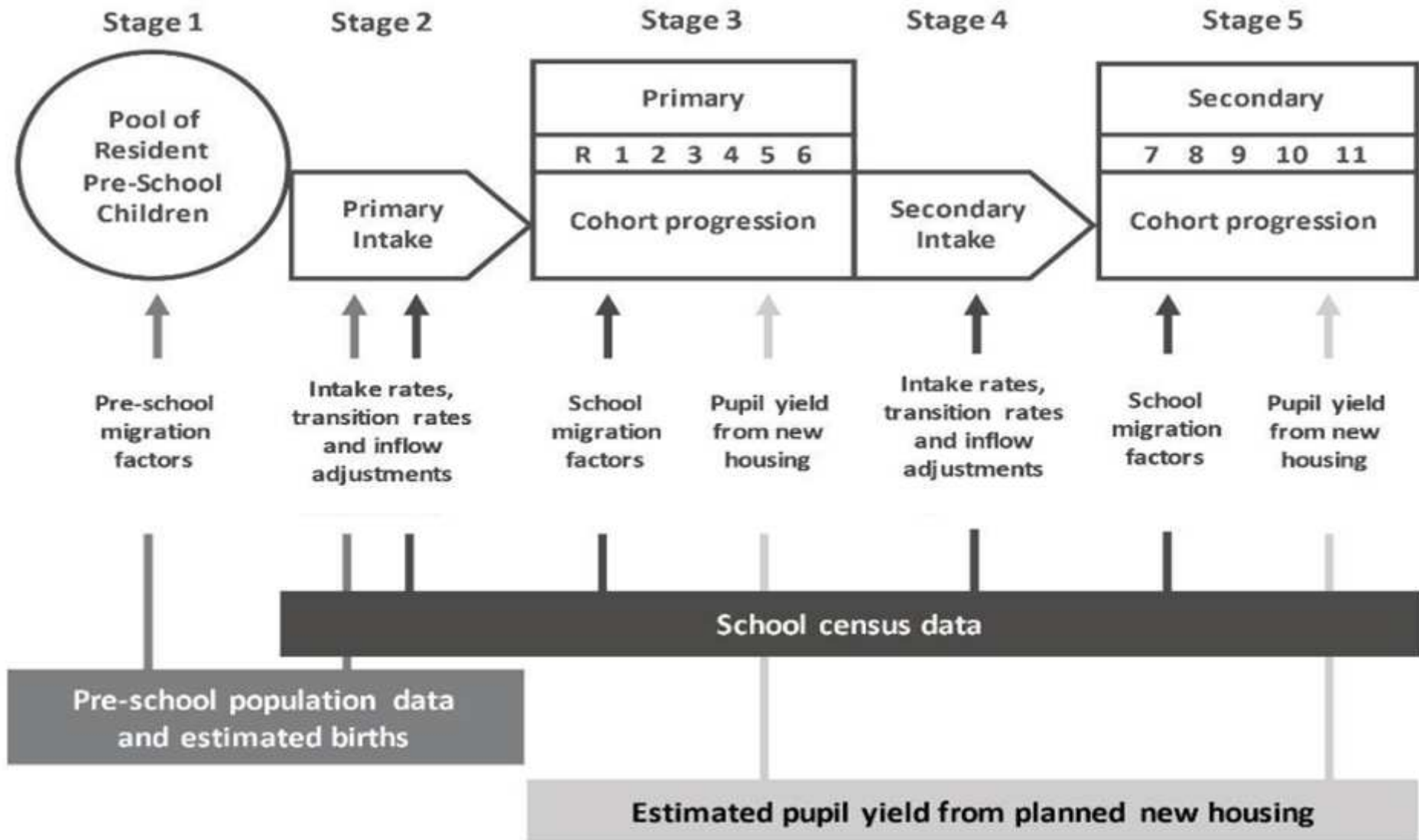
2018-2028



Introduction

- This document presents the 2019 Round School Roll Projections from the GLA. In addition, it investigates issues and provides context to help explain the projections.
- This year, the GLA enabled boroughs to run variants of the projections using different assumptions about the ‘conversion’ or ‘take up rates’. There are 6 scenarios based on Low, Medium and High Migration models.
- Our preferred option is “High Migration-3/4” model; which accounts for high migration out of the borough and over a 3 year weighted mean cohort survival table.
- Much analysis has taken place over recent months to align pupil projections with the current landscape in Tower Hamlets. Developments continue, however, are not yet providing the child yield associated with the housing increase and this needs a continued monitoring as developments progress
- A review of the GLA pupil projections model has been carried out, and is considered fit for purpose with its overall accuracy, however continued mindfulness in pupil yield for new housing developments is critical
- A complementary pupil forecasting system is in development, adopting a “bottom-up” approach, compared with the GLA’s “top-down” approach to find synergies in both systems to assist with school place planning

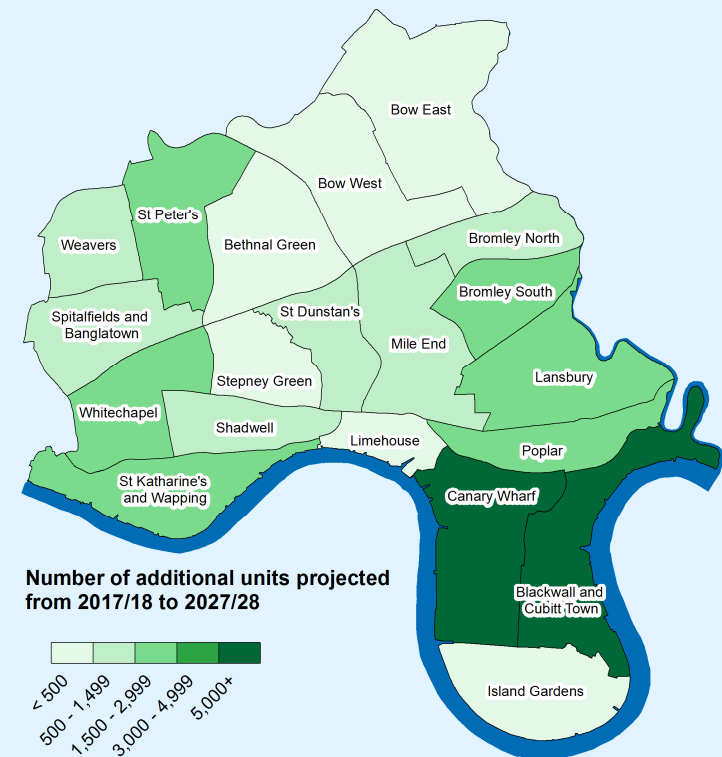
Methodology



Projection Methodology

- Population projections were produced by the GLA using our Local Plan development trajectory which draws on planning permissions, applications, and SHLAA sites.
- The Local Plan development trajectory expects around **43,000 additional units** to be built across the borough in the next decade, with building concentrated in the Isle of Dogs.
- Actual school rolls from the Spring 2019 School Census were also submitted to the GLA.
- The development data and actual rolls are then input into the GLA's model, which also takes into account trends in births, cross-border pupil flows and conversion/take up rates to produce the school roll projections.

Local Plan development trajectory: additional units projected from 2017/18 to 2027/28 by ward



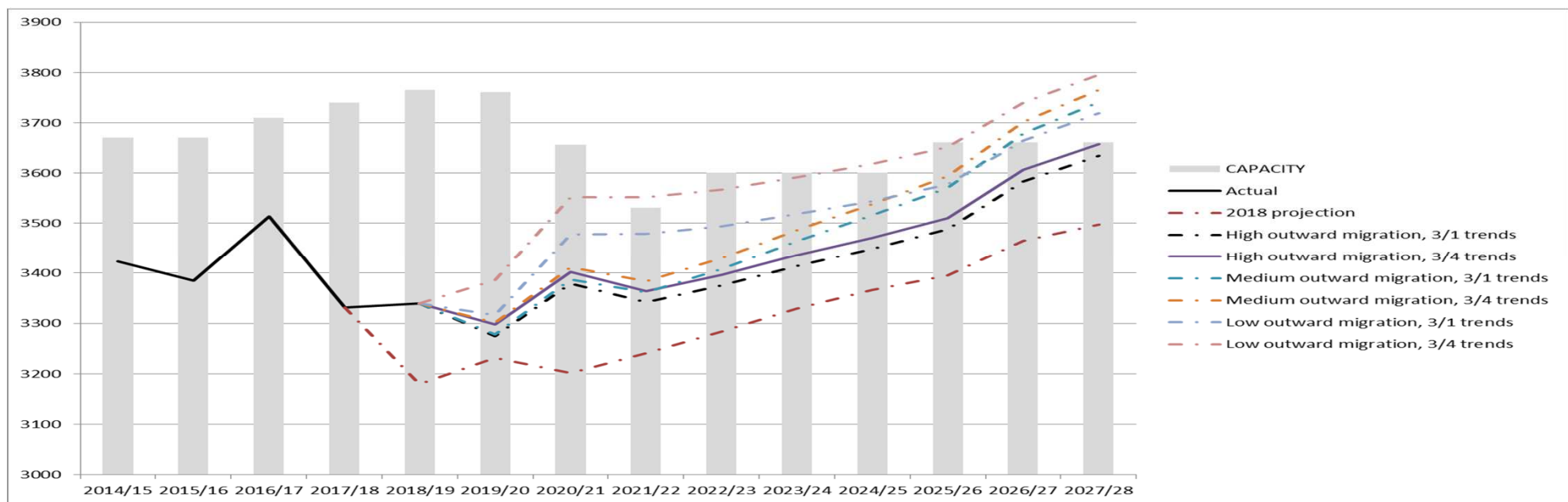
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Accuracy of Last Year's Projections

- Overall, last year's school roll projections were under-estimates , projected more pupils for 2018/19 than we saw in the 2019 Spring Census.
- Projections for Year 7 pupils had the highest variance (7%), which projected 206 more pupils than we had in the Census. Reception projections had a 5% variance, projecting 161 more pupils than we had in the Census. This is not a complete surprise, given the issues that presented with the previous projections over inflation and the GLA confirmed issues with the projection system glitch with international migration.

	2017/18 Round Projection (Jan rolls)	2019 Spring Census	Variance (number of pupils)	% Variance
Reception	3,179	3,340	-161	-5%
Primary	23,330	23,762	432	-2%
Year 7	3,114	2,908	206	7%
Secondary	14,632	14,446	186	1%
All pupils	37,962	38,208	-246	-0.6%

Reception Projections

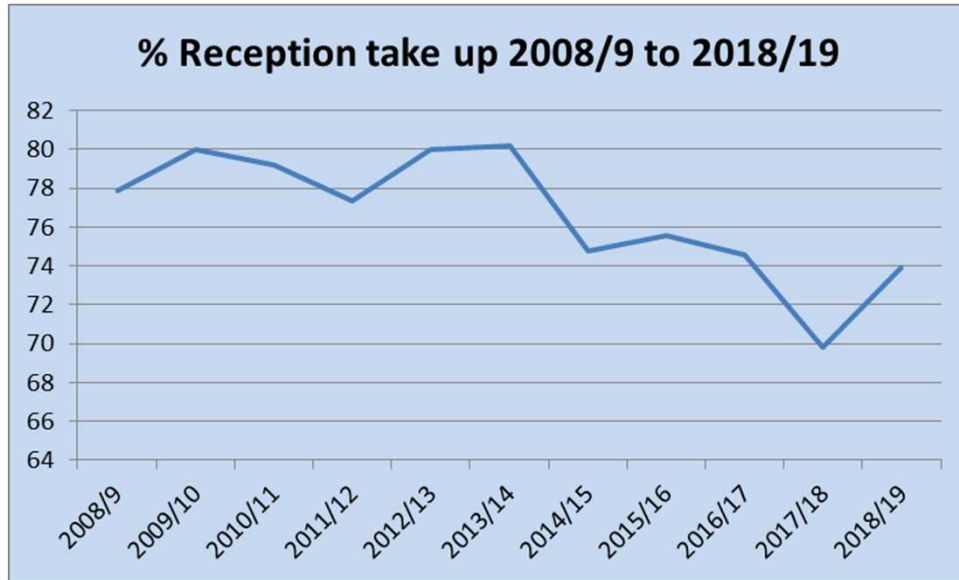


School roll projections for Reception ... based on Planned PAN changes and results of the Primary Review

Produced Sept 19 using: Jan 2019 school rolls, GLA 2016-based population projection model (UPC), and Local Plan + LLDC development trajectory, 3 4 option

Borough		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		3,353	3,340									
Projection (3 4)				3,299	3,403	3,364	3,398	3,436	3,469	3,512	3,606	3,658
Applications		3,305	3,136	3,168								
Capacity		3,740	3,766	3,761	3,656	3,531	3,601	3,601	3,601	3,661	3,661	3,661
Variance (3 4)	Pupils	387	426	462	253	167	203	165	132	149	55	3
	FE	12.9	14.2	15.4	8.4	5.6	6.8	5.5	4.4	5.0	1.8	0.1
	%	10%	11%	12%	7%	5%	6%	5%	4%	4%	2%	0%

Reception Projections: Take up



- The rate of four year olds taking up reception places has fluctuated over the last ten years.
- In 2013/14, 80% of 4 year olds in the borough took up reception places.
- The number has fallen in recent years and in 2018/19, the take up rate was 74%.

However:

- The proportion of reception pupils residing in Tower Hamlets and attending school in another LA has remained relatively stable over recent years, rising slightly from 1.8% of reception pupils in January 2010 to 2.5% of reception pupils in January 2016.
- The proportion of pupils (of all ages) in Tower Hamlets attending independents schools has remained relatively stable, rising slightly from 4.3% in January 2010 to 5.2% in January 2016.

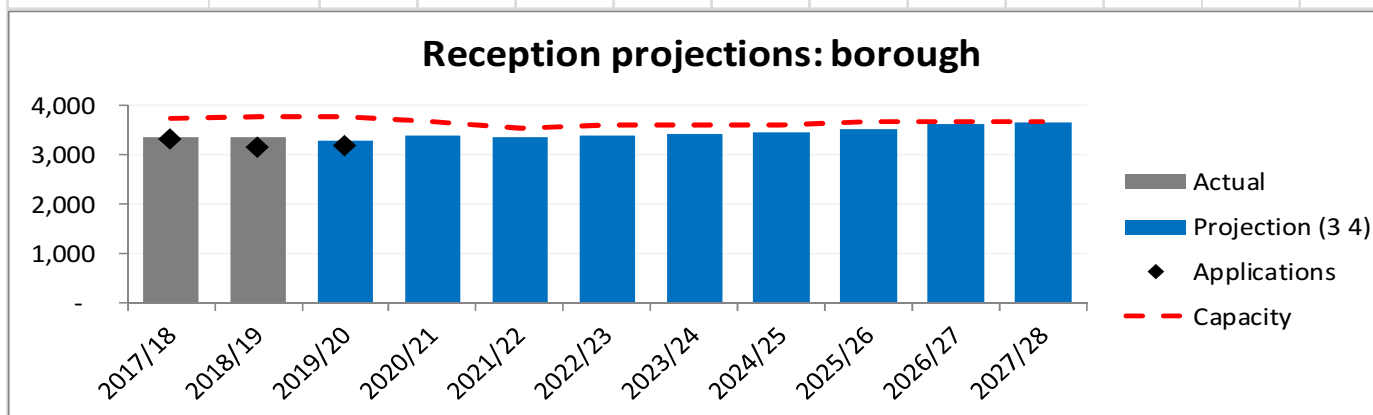
So where are reception pupils going if they are not taking places in Tower Hamlets, other boroughs or independent schools?

Pupil Place Planning

School Catchment Area Projections

School roll projections for Reception ... based on Planned PAN changes and results of the Primary Review
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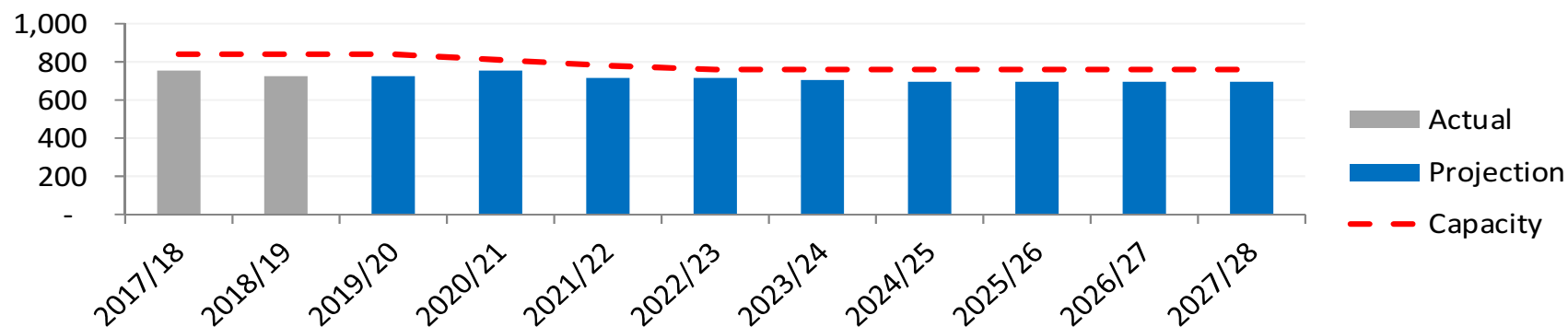


Pupil Place Planning

School Catchment Area Projections

Catchment 1 - Stepney		(INCLUDES BOTH BONNER SITES)										
		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		756	730									
Projection				727	753	716	712	703	696	692	698	699
Capacity		840	840	840	810	780	760	760	760	760	760	760
Variance	Pupils	84	110	113	57	64	48	57	64	68	62	61
	FE	2.8	3.7	3.8	1.9	2.1	1.6	1.9	2.1	2.3	2.1	2.0
	%	10%	13%	13%	7%	8%	6%	8%	8%	9%	8%	8%

Reception projections: Stepney (Catchment 1)

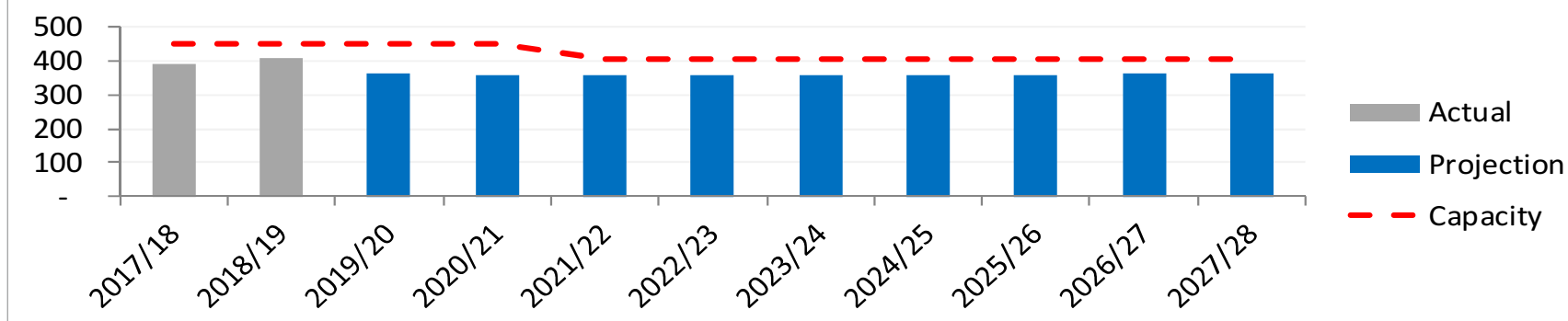


Pupil Place Planning

School Catchment Area Projections

Catchment 2 - Bow <small>(does not include Bonner sites)</small>		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		390	408									
Projection				366	358	359	358	359	358	359	362	364
Capacity		450	450	450	450	405	405	405	405	405	405	405
Variance	Pupils	60	42	84	92	46	47	46	47	46	43	41
	FE	2.0	1.4	2.8	3.1	1.5	1.6	1.5	1.6	1.5	1.4	1.4
	%	13%	9%	19%	20%	11%	12%	11%	12%	11%	11%	10%

Reception projections: Bow (Catchment 2)

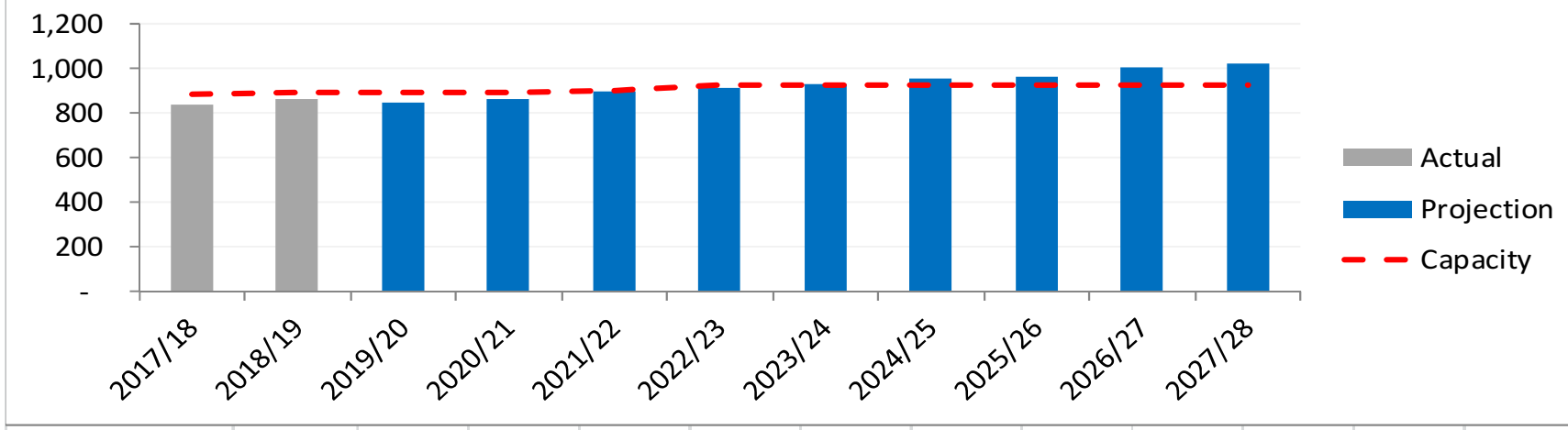


Pupil Place Planning

School Catchment Area Projections

Catchment 3 - Poplar		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		842	866									
Projection				846	866	895	914	934	952	968	1,005	1,022
Capacity		885	890	890	890	900	930	930	930	930	930	930
Variance	Pupils	43	24	44	24	5	16	- 4	- 22	- 38	- 75	- 92
	FE	1.4	0.8	1.5	0.8	0.2	0.5	- 0.1	- 0.7	- 1.3	- 2.5	- 3.1
	%	5%	3%	5%	3%	1%	2%	0%	-2%	-4%	-8%	-10%

Reception projections: Poplar (Catchment 3)

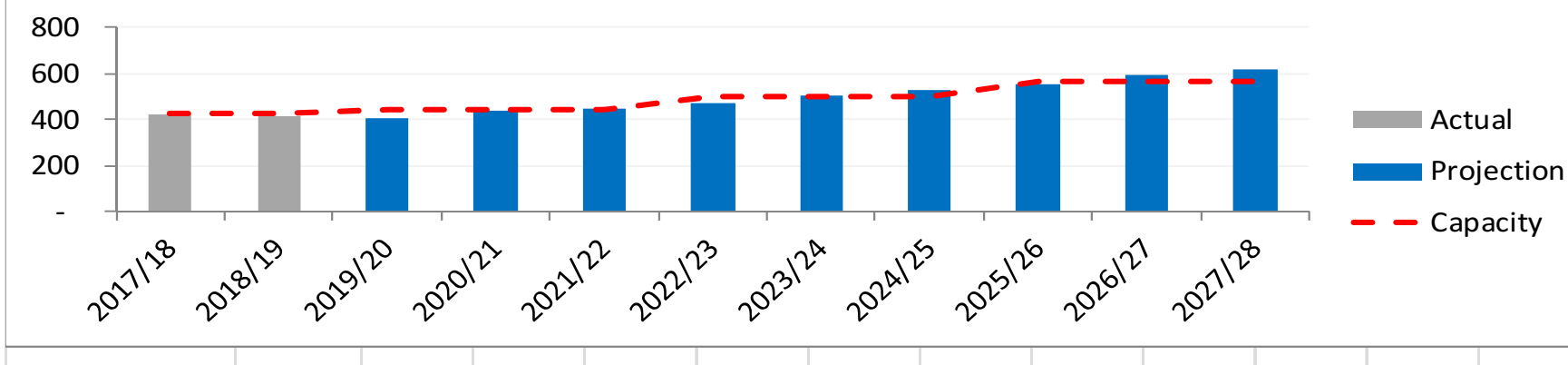


Pupil Place Planning

School Catchment Area Projections

Catchment 4 - Isle of Dogs		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		419	410									
Projection				406	438	449	472	500	527	556	591	617
Capacity		425	425	441	441	441	501	501	501	561	561	561
Variance	Pupils	6	15	35	3	8	29	1	26	5	30	56
	FE	0.2	0.5	1.2	0.1	0.3	1.0	0.0	0.9	0.2	1.0	1.9
	%	1%	4%	8%	1%	-2%	6%	0%	-5%	1%	-5%	-10%

Reception projections: Isle of Dogs (Catchment 4)

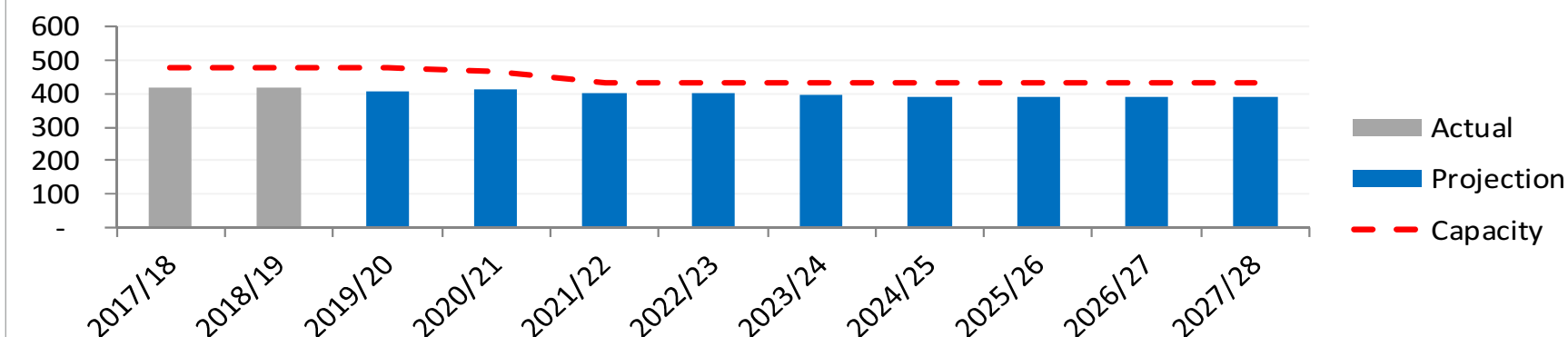


Pupil Place Planning

School Catchment Area Projections

Catchment 5 - Wapping		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		418	418									
Projection				409	416	402	400	396	392	388	389	388
Capacity		480	480	480	465	435	435	435	435	435	435	435
Variance	Pupils	62	62	71	49	33	35	39	43	47	46	47
	FE	2.1	2.1	2.4	1.6	1.1	1.2	1.3	1.4	1.6	1.5	1.6
	%	13%	13%	15%	11%	8%	8%	9%	10%	11%	11%	11%

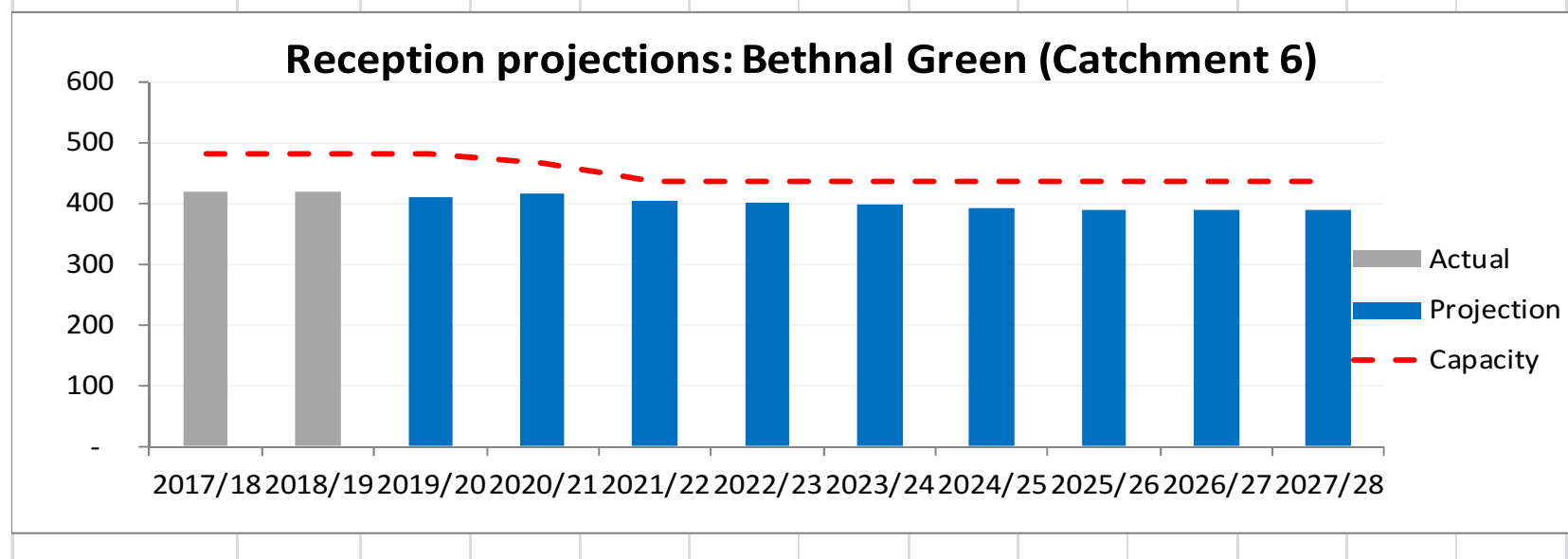
Reception projections: Wapping (Catchment 5)



Pupil Place Planning

School Catchment Area Projections

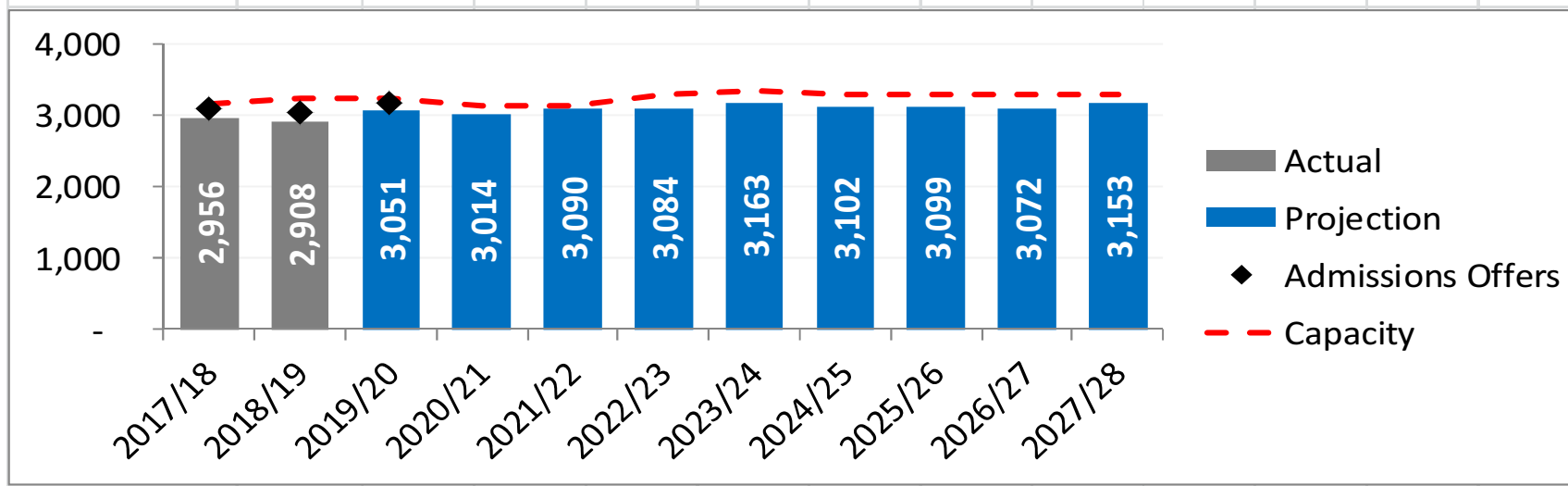
Catchment 6 - Bethnal Green		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		528	508									
Projection				528	539	517	513	514	513	516	524	529
Capacity		660	660	660	600	570	570	570	570	570	570	570
Variance	Pupils	132	152	132	61	53	57	56	57	54	46	41
	FE	4.4	5.1	4.4	2.0	1.8	1.9	1.9	1.9	1.8	1.5	1.4
	%	20%	23%	20%	10%	9%	10%	10%	10%	9%	8%	7%



Pupil Place Planning

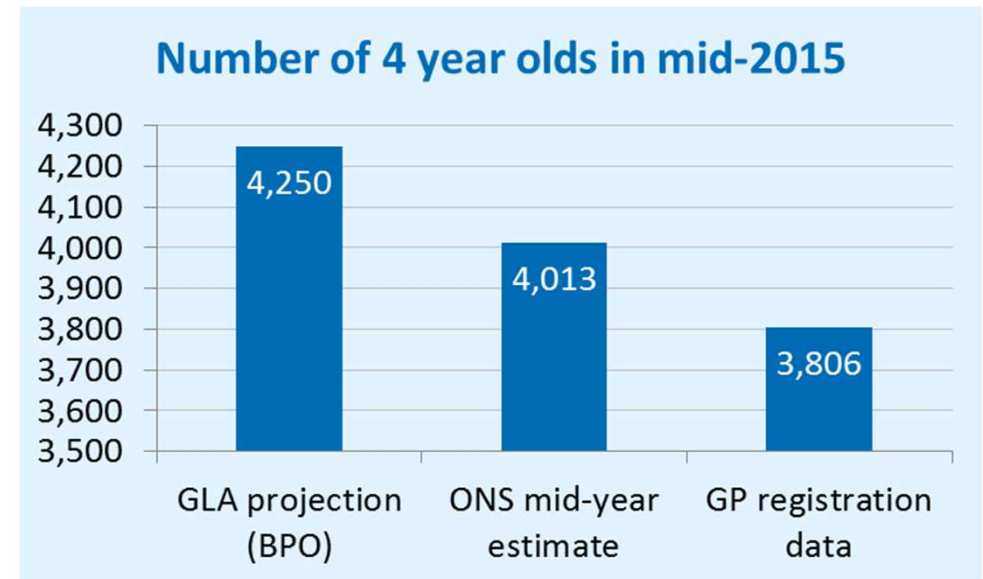
Year 7 Projections

Borough		2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Actual		2,956	2,908									
Projection				3,051	3,014	3,090	3,084	3,163	3,102	3,099	3,072	3,153
Admissions Offers		3,078	3,009	3,147								
Capacity		3,152	3,233	3,233	3,133	3,133	3,283	3,343	3,283	3,283	3,283	3,283
Variance	Pupils	196	325	182	119	43	49	120	241	184	211	130
	FE	6.5	10.8	6.1	4.0	1.4	1.6	4.0	8.0	6.1	7.0	4.3
	%	6%	10%	6%	4%	1%	2%	4%	7%	6%	6%	4%



Reception Projections: Comparing estimates

- Rather than the take up rate falling, it could be that the **population estimates are over-estimating the number of four year olds in the borough.**
- The number of 4 year olds estimated by the GLA projections for mid-2015 were around 200 children higher than the mid-year estimates, and 450 children higher than we saw on the GP registration data.

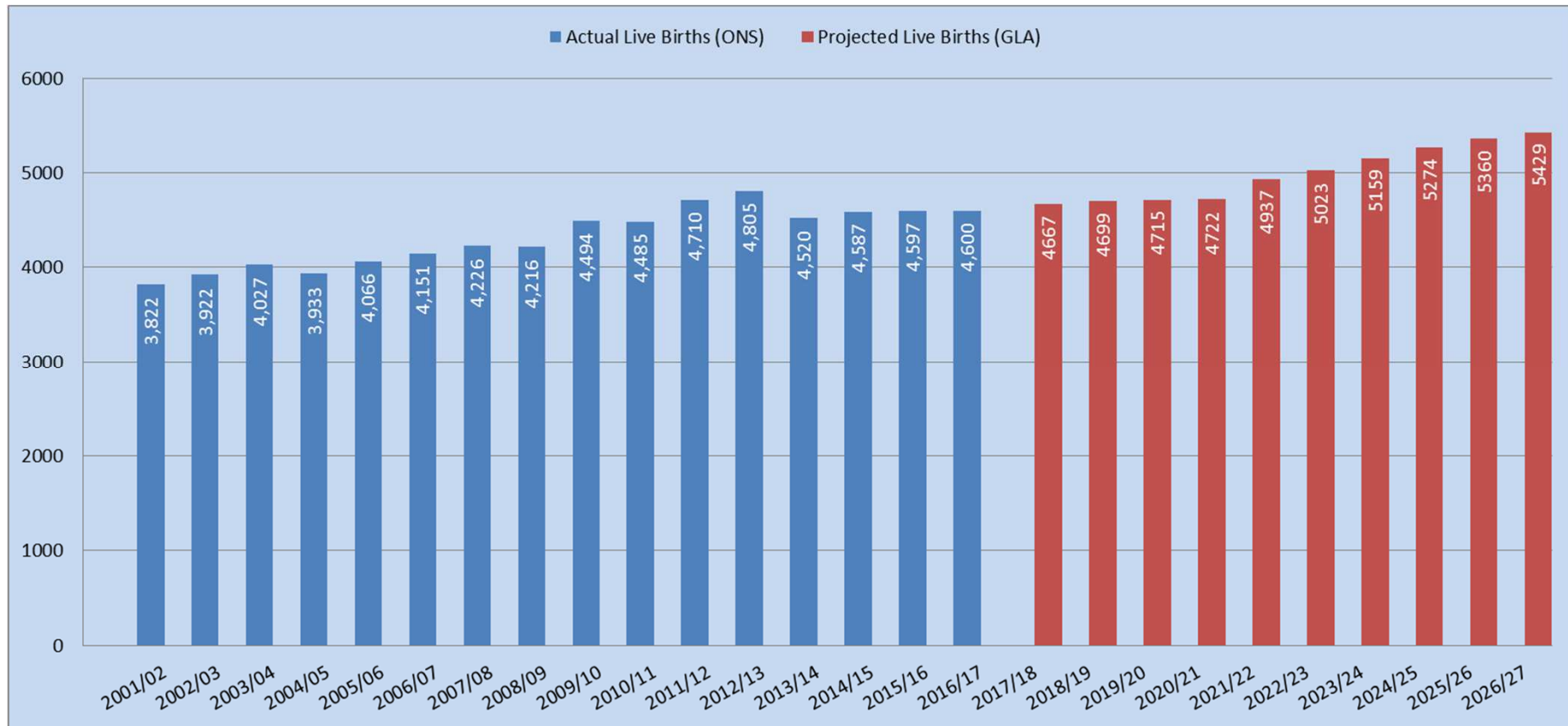


This could be happening because:

- **Outward migration is being under-estimated.** Migration is the most difficult element to estimate and project, particularly at a local authority level. Net internal migration figures show that the number of young children moving out of the borough for other LAs in the UK has been increasing since 2009, but it may be that the estimates are not picking up the extent to which this is happening.
- **Projections are over-estimating the number of children moving into new developments.** This is also incredibly difficult to estimate, with developand the CRU are proposing a new survey to better understand the household composition of the families living in new developments.

Reception Projections: Births

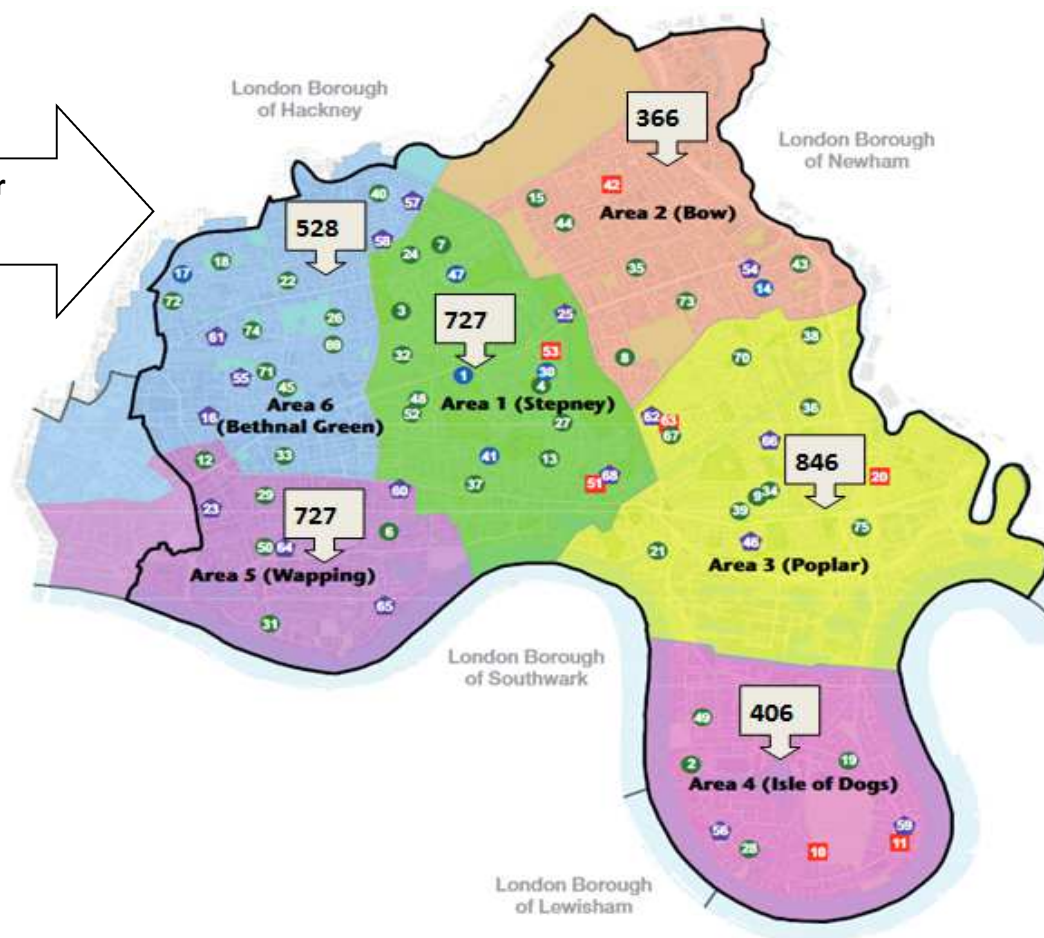
The number of births fell in 2013/14 and this is now beginning to feed through to the number of reception places. Since 2013/14, the number of births has been slowly increasing.



Pupil Place Planning

Pupil distribution primary (R 2019)

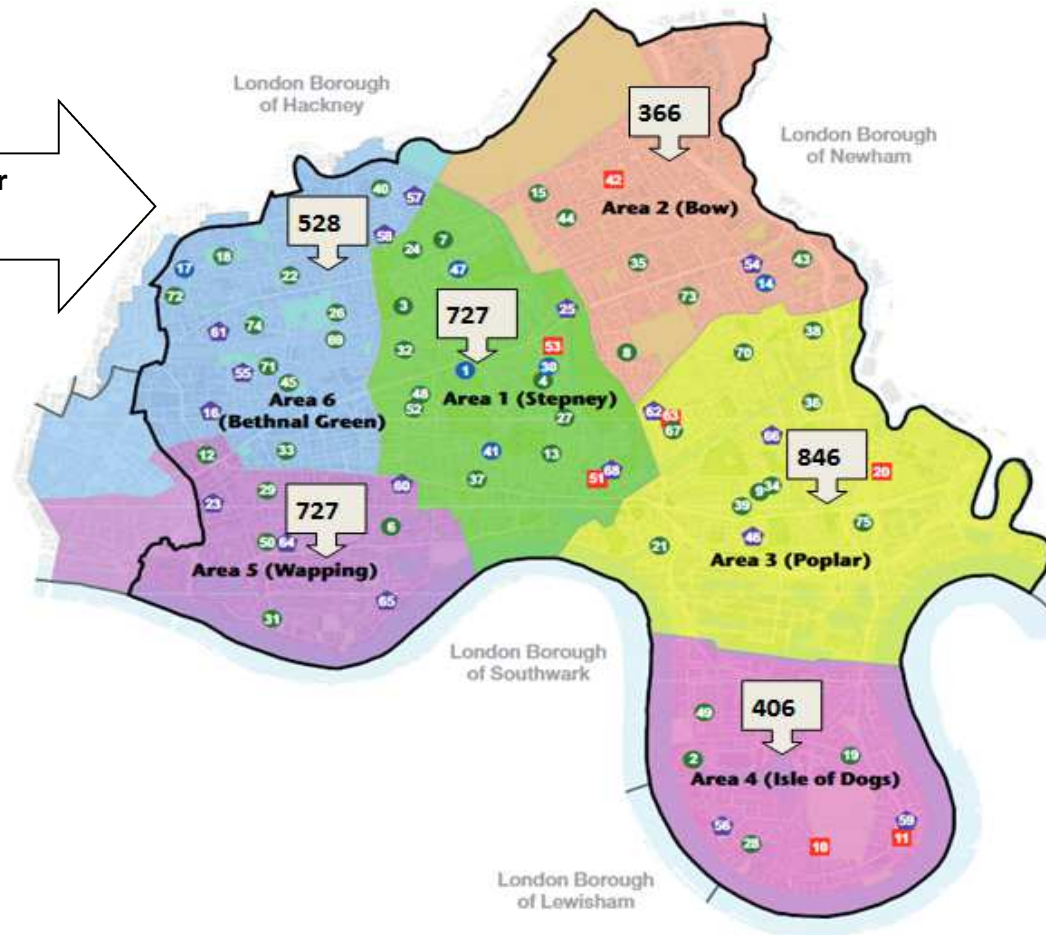
45 pupils from other boroughs



Pupil Place Planning

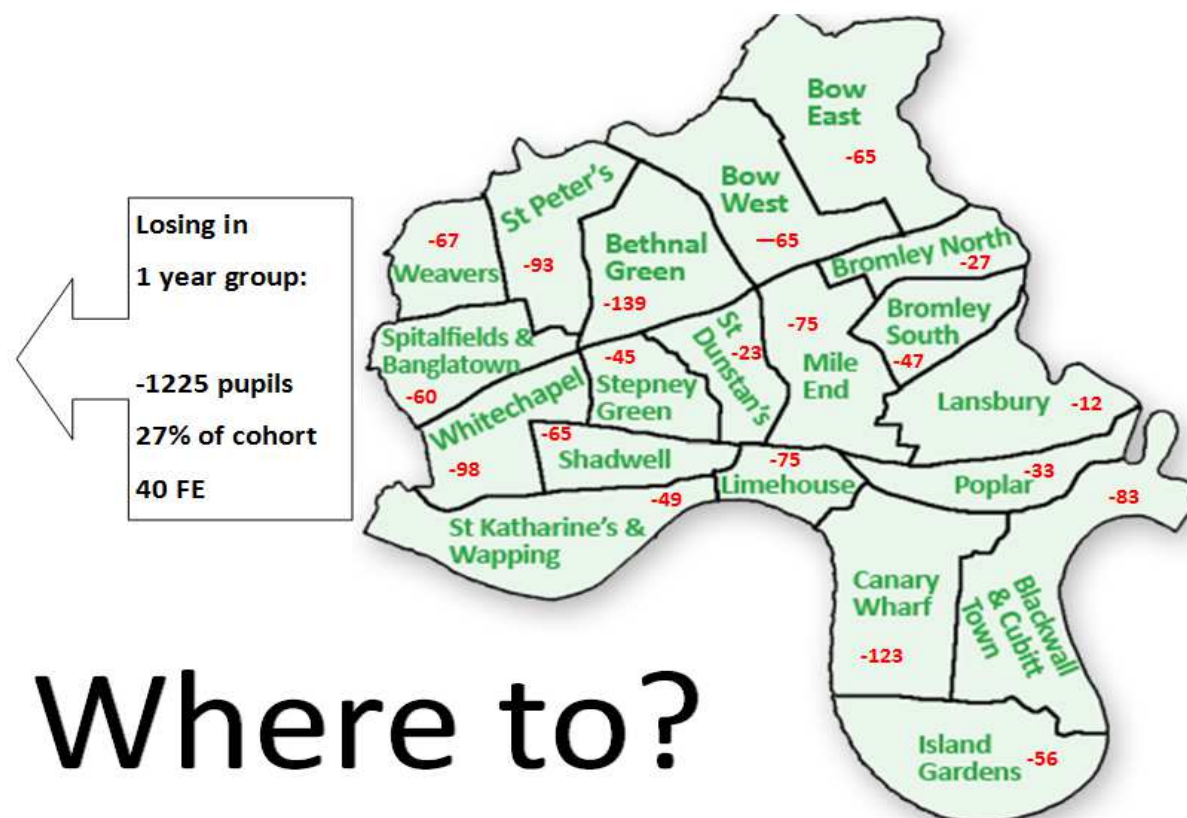
Pupil distribution primary (R 2019)

45 pupils from other boroughs



Pupil Place Planning

Effects of new housing developments and migration patterns... Net Loss of Children from birth to Reception 2019



How will Brexit impact the school rolls?

- These projections **have not** taken into account any changes in migration as a result of Brexit.
- EU migrants make up 70% of new National Insurance Number registrations in Tower Hamlets.
- However, EU nationals, or those with EU national parents, represent a relatively small proportion of the borough's child population.
- **9% of births** in Tower Hamlets in 2015 were to mothers born in the EU.
- The Spring Census 2017, which recorded country of birth for the first time, found around **2,800 pupils** who were born in an EU country (other than the UK), making up around **4%** of the pupil population. However, this is likely to be an underestimate given that around a quarter of all pupil records do not supply information on country of birth.

Pupil Place Planning

Projections methodology ... variables affecting projections

- Parental preference
- International migration
- Domestic migration
- Housing developments
- School performance and standards
- School Leadership
- Welfare reform
- Brexit or other political decisions
- Changes in political boundaries
- Changes in catchment areas
- Changes in neighbouring authorities schools

Conclusion

- Last year's school roll projections were over-projections. In 2016/17 we had 102 fewer Year 7 pupils than projected and 29 fewer reception pupils than projected.
- Compared to admissions/acceptances figures, it appears that this year's projections are also over-projections.
- This is likely because the population estimates are not picking up the extent to which young families are moving out of the borough, and/or over-estimating the number of children moving into new developments.

Next steps:

- Geographical analysis of the school roll projections
- Propose new housing development survey to better understand household composition in new developments