

Adamsdown and Splott

Appendix 4 – Projected availability of and demand for primary and secondary school places

Projection and forecasting methodology

Cardiff employs a robust projection methodology for planning school places which takes account of NHS GP registration data and school census data submitted by and verified by all Cardiff schools. As projections can only take account of historic and current information the Council also identifies trends within projections, and analyses school preference data and other contextual information to produce forecasts on a city wide basis and in each locality.

Data analysis allows projections to be prepared based on localised patterns at primary school catchment area level, by secondary school catchment and on a city-wide basis. Each of these provide differing contextual information to inform the forecasting on the number of places that may be needed to meet the requirements of each area and of Cardiff as a whole.

The geographical units that are most suitable to analyse the recent and future demand for primary school places in each area are primary school catchment areas. A wider range of geographical information including aggregated primary school catchment areas, secondary school catchment areas, city-wide information and outflow to other admissions authorities informs planning for meeting the demand for secondary school places.

School catchment areas in Cardiff are not coterminous with ward boundaries and often serve all or part of several ward areas.

The geographical unit that is most suitable to analyse the demand for English-medium secondary school places serving Adamsdown and Splott is the Willows High School catchment area.

The geographical units that are most suitable to analyse the demand for English-medium primary school places serving Adamsdown and Splott are the primary school catchment areas of Adamsdown, Baden Powell, Moorland and Stacey Primary School which, when taken together, form the Willows High School catchment area.

Separate to forecasts for existing housing in Cardiff, projections are prepared for new housing planned on large scale housing developments, including the strategic greenfield and brownfield housing sites identified in the Local Development Plan. These projections take account of census and housing information in Cardiff and allow a calculation of average numbers of pupils in each type of property.

The Education Supplementary Planning Guidance adopted in 2017 sets out the following average yields in each type of property, taking account of the most recent census data.

Year group	Yields from Flats / Apartments					Yields from Houses / Bungalows				
	1 bed	2 bed	3 bed	4 bed	5+ bed	1 bed	2 bed	3 bed	4 bed	5+ bed
Nursery	0.0102	0.0390	0.0567	0.0470	0.0102	0.0210	0.0507	0.0579	0.0610	0.0555
Primary	0.0155	0.0749	0.1793	0.2329	0.0649	0.0501	0.1247	0.2290	0.2947	0.3059
Secondary	0.0058	0.0287	0.1125	0.1179	0.0373	0.0336	0.0604	0.1666	0.2553	0.2806
6th Form	0.0007	0.0079	0.0345	0.0280	0.0116	0.0092	0.0165	0.0513	0.0864	0.1049

Projection data based on average yields cannot, however, be used to accurately forecast the impact of new housing on the demand for places in each year group.

As a significant proportion of families moving to new housing developments are moving within their local area, the increase in the number of school places required locally and city-wide may be less than would be the case if families have moved into Cardiff. Families moving a short distance to a new development may not wish to transfer their child(ren) to a new school. Consequently, families moving into established housing may therefore have greater difficulty in accessing a local place in an established school.

The rate at which housing on planned new developments is built and occupied depends on a number of market-related factors.

Supply of and demand for primary school places in / serving Adamsdown and Splott

(i) Capacity of existing primary schools and recent take up of places (age 4-11)

Table 2 sets out the number of places available in each primary school in/ serving Adamsdown and Splott, and the most recent Number on roll data available in January 2019.

	PAN	Rec	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total	Capacity	Surplus	% Surplus
Adamsdown Primary	60	55	53	58	59	46	46	50	367	420	53	12.6%
Baden Powell Primary	60	48	60	54	49	54	50	43	358	420	62	14.8%
Moorland Primary	60	60	56	59	60	58	59	48	400	420	20	4.8%
Stacey Primary	30	25	24	27	30	26	30	21	183	208	25	16.3%
St Alban's Primary	30	17	30	27	23	28	28	17	170	203	33	13.0%
St Peter's Primary	75	54	59	73	65	74	72	73	470	525	55	12.9%
Tredegarville Primary	30	30	30	30	30	29	30	30	209	210	1	0.5%
Ysgol Glan Morfa	60	32	38	29	22	28	21	26	196	420*	224	53.3%
Total	405	321	350	357	338	343	336	308	2353	2833	490	17.2%

* Surplus capacity reflecting transition period following increase in capacity implemented in 2017 (initially on temporary basis).

Whilst surplus capacity overall is high at c17%, this is as a consequence of the recent expansion of Ysgol Glan Morfa. Discounting the additional capacity in five year groups at Ysgol Glan Morfa in which Reception intakes were administered at a lower Published Admission Number, reduces surplus to c12.6%. Within the English-medium sector there are c11% surplus places.

These comparisons align closely with the Welsh Government's recommended level of no more than 10% surplus places across primary and secondary schools.

(ii) Projected take up of places

Table 2 sets out the recent and projected take of places by Reception age pupils resident in the Willows High School catchment area, in English-medium, Faith-based or Welsh-medium primary schools, including those pupils within Adamsdown and Splott who take up places elsewhere.

Table 3: Recent and projected take of places by Reception age pupils resident in the Willows High School catchment area, in English-medium, Faith-based or Welsh-medium primary schools city-wide								
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
English-medium community	212	220	219	205	231	223	212	Not yet available
Faith	103	94	95	91	103	99	94	Not yet available
Welsh-medium community	33	42	42	38	43	42	40	Not yet available
Totals	348	356	356	334	377	363	346	Not yet available

The projected number of pupils entering Reception class in the area fluctuates but is at similar levels in the next three intakes to the most recent intakes. This suggests that the overall number of, and take up of, school places serving Adamsdown and Splott is appropriately balanced.

Table 4 (below) sets out the recent and projected take of places in English-medium community schools by Reception age pupils resident in each of the primary school catchments within the Willows High School catchment area.

Table 4: Recent and projected take of places by Reception age pupils resident in each of the primary school catchments within the Willows High School catchment area, in <u>English-medium community primary schools</u> city-wide							
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Adamsdown Primary catchment	40	34	47	49	52	58	59
Baden Powell Primary catchment	69	100	93	75	91	90	73
Moorland Primary catchment	53	50	47	54	39	38	38
Stacey Primary catchment	50	36	32	27	49	37	42
Total	212 (7.1FE)	220 (7.3FE)	219 (7.3FE)	205 (6.8FE)	231 (7.7FE)	223 (7.4FE)	212 (7.1FE)

The projected take up of places in English-medium community primary schools in the Baden Powell and Stacey Primary School catchment areas exceeds the number of places available at entry to these schools (60 and 30 respectively). The combined projected demand for English-medium community primary schools in the Willows High School catchment areas marginally exceeds the combined number of places available (210) as some families opt for places in neighbouring schools in close proximity.

Table 5 (below) sets out the recent take of places in Catholic primary schools by Reception age pupils resident in each of the primary school catchments within the Willows High School catchment area.

	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Adamsdown Primary catchment	28	22	25	29	31	34	35
Baden Powell Primary catchment	41	40	37	32	39	38	31
Moorland Primary catchment	13	11	12	13	9	9	9
Stacey Primary catchment	21	21	21	16	29	22	24
Total	103	94	95	90	108	103	99

The combined projected demand for places in faith-based primary schools also exceeds the number of places available within the Willows High School catchment area (60), as a number of children resident in the area take up places at St Peter's RC Primary School which is located in close proximity.

Early Years provision – capacity and take up of places

Table 1 (below) summarises the take up of nursery school and nursery class places within Adamsdown and Splott in the period 2016-2018, at the peak intake in the summer term. Verified data for summer term 2019 is not yet available.

	Places	2016	2017	2018
Adamsdown Primary	80	48	74	70
Baden Powell Primary	56	56	55	56
Moorland Primary	64	64	63	64
Stacey Primary	64	50	59	52
Tredegaville Primary	48	44	47	42
Tremorfa Nursery	112	113	88	81
Total	424	375	386	365

Overall, there are sufficient nursery class and nursery school places to meet the current and projected need across the Adamsdown and Splott areas, with some surplus available to respond to any future change in take up of nursery education places.

The take up of places at nursery age varies more widely than at entry to Reception as nursery education is not compulsory. However, comparing the take up of places in Reception classes with the take up in Nursery classes in recent years suggests that the number of places available is sufficient for the projected pupil population.

Summary – Primary demand

In summary, the above information suggests that the existing nursery class and primary school capacity is broadly sufficient to meet the demand for places from within the existing catchment area of Willows High School in the Band B period. Any proposals brought forward should not, therefore, seek to reduce nor increase the number of places available.

Capacity of existing secondary schools

Table 6 sets out the number of places available in each secondary school in Cardiff in, and the most recent Number on roll data in January 2019 for the entry year (Year 7).

Table 6: Capacity and pupil on roll in Cardiff secondary schools, January 2019						
School Name	Type of School	Age Range	Total Capacity (including sixth form)	Capacity - Years 7 -11	Published Admission Number (2018/19)	Number On Roll – Year 7 (January 2018)
Cantonian High School	Community - English-medium	11-18	1,046	905	181	130
Cardiff High School	Community - English-medium	11-18	1,635	1,200	240	239
Cardiff West Community High School	Community - English-medium	11-18	1,520	1,200	240	147
Cathays High School	Community - English-medium	11-18	1,072	825	165	158
Corpus Christi Catholic High School	Voluntary Aided - faith	11-16	1,061	930	186	217
Eastern High	Community - English-medium	11-16	1,200	1,200	240	239
Fitzalan High School	Community - English-medium	11-18	1,725	1,500	300	300
Llanishen High School	Community - English-medium	11-18	1,800	1,500	300	296
Mary Immaculate High School	Voluntary Aided - faith	11-16	795	795	159	166
Radyr Comprehensive School	Community - English-medium	11-18	1,365	1,050	210	207
St Illtyd's Catholic High School	Voluntary Aided - faith	11-16	879	879	176	174
St Teilo's C.W High School	Voluntary Aided - faith	11-18	1,440	1,200	240	248
The Bishop Of Llandaff C.W High School	Voluntary Aided - faith	11-18	1,085	900	180	196
Whitchurch High School	Foundation – English-medium	11-18	2,400	1,950	390	407
Willows High School	Community - English-medium	11-18	1,121	1,121	224	141
Ysgol Gyfun Gymraeg Bro Eder	Community- Welsh-medium	11-18	1,114	900	180	151
Ysgol Gyfun Gymraeg Glantaf	Community- Welsh-medium	11-18	1,500	1,200	240	221
Ysgol Gyfun Gymraeg Plasmawr	Community- Welsh-medium	11-18	1,140	900	180	179
English-medium community places/ pupils					2,100	1,857
Foundation places/ pupils					390	407
Faith School places/ pupils					941	1,001
Welsh-medium community places/ pupils					600	551
Total places					4,031	3,816

Recent city-wide take up of places of pupils entering secondary education

Tables 7 and 8 (below/ overleaf) set out the most recent verified PLASC (Pupil Level Annual School Census) data as supplied by primary schools in January 2017 and by secondary schools in January 2018. This confirms the number of pupils in each of the English-medium secondary school catchment areas who were enrolled in English-medium, Welsh-medium and faith-based primary and secondary schools in Cardiff.

Comparison of Year 6 and Year 7 census data allows forecasting of the likely proportions of pupils within each catchment area that are likely to promote to English-medium, Welsh-medium and faith-based secondary schools.

PLASC data for 2019 is not yet available for comparison.

Table 7: Year 6 pupils enrolled in English-medium, Welsh-medium and Faith-based primary schools in each English-medium secondary school catchment area (data source: PLASC January 2017)				
Catchment area	English-medium Community school pupils	Welsh-medium Community school pupils	Faith-based school pupils	Total pupils
Cantonian High School	88 (51.5%)	39 (22.8%)	44 (25.7%)	171
Cardiff High School	263 (78.7%)	33 (9.9%)	38 (11.4%)	334
Cardiff West Community High School	288 (68.6%)	59 (14.0%)	73 (17.4%)	420
Cathays High School	89 (62.7%)	18 (12.7%)	35 (24.6%)	142
Eastern High	354 (65.1%)	61 (11.2%)	129 (23.7%)	544
Fitzalan High School	362 (58.9%)	122 (19.8%)	131 (21.3%)	615
Llanishen High School	411 (63.2%)	74 (11.4%)	165 (25.4%)	650
Radyr Comprehensive School	157 (77.0%)	43 (21.1%)	4 (2.0%)	204
Whitchurch High School	318 (75.9%)	83 (19.8%)	18 (4.3%)	419
Willows High School	166 (59.9%)	21 (7.6%)	90 (32.5%)	277
Total number of pupils	2496 (66.1%)	553 (14.6%)	727 (19.3%)	3776

Table 8: Year 7 pupils enrolled in English-medium, Welsh-medium and Faith-based secondary schools in each English-medium secondary school catchment area (data source: PLASC 2018)

Catchment area	English-medium Community and Foundation school pupils	Welsh-medium Community school pupils	Faith-based school pupils	Total pupils	Net increase/loss
Cantonian High School	78 (45.6%)	38 (22.2%)	55 (32.2%)	171	0
Cardiff High School	250 (77.2%)	31 (9.6%)	43 (13.3%)	324	-10
Cardiff West Community High School	201 (49.4%)	59 (14.5%)	147 (36.1%)	407	-13
Cathays High School	89 (67.4%)	17 (12.9%)	26 (19.7%)	132	-10
Eastern High	214 (39.3%)	61 (11.2%)	269 (49.4%)	544	0
Fitzalan High School	331 (61.0%)	120 (22.1%)	92 (16.9%)	543	-72
Llanishen High School	324 (52.0%)	72 (11.6%)	227 (36.4%)	623	-27
Radyr Comprehensive School	141 (70.9%)	43 (21.6%)	15 (7.5%)	199	-5
Whitchurch High School	310 (74.9%)	77 (18.6%)	27 (6.5%)	414	-5
Willows High School	158 (60.8%)	21 (8.1%)	81 (31.2%)	260	-17
Combined Published Admission Number	2,490	600	941	4,031	
Total Number of pupils	2096 (57.9%)	539 (14.9%)	982 (27.1%)	3617	
Surplus places	394	61	-41	414	
Difference: Year 6 / 7	-400	-14	+255	-159	

Comparing Table 7 and Table 8 it is evident in table that:

- The proportionate take up of English-medium, Welsh-medium and faith-based primary and secondary school places varies significantly across Cardiff
- There is a significant difference between the number of pupils enrolled in Year 6 in primary education, and the number of pupils enrolled in Year 7 the following year in some areas
- The proportionate (%) take up of English-medium community and faith-based primary and secondary school places varies significantly between Year 6 and Year 7 in some areas
- The proportionate (%) take up of Welsh-medium community primary and secondary school places varies little between Year 6 and Year 7
- Faith-based secondary schools, for which the Council is not the admissions authority, admitted 65 pupils in excess of their Published Admission Number in 2018

The parental preference for and take-up of places in each type of school is dependent on number of variables including, but not limited to, the number of places

available in each school type relative to the local population, the admission arrangements for that school, and parental perception.

Within the Willows High School catchment area, there is a marginal decrease in the number of pupils transferring to English-medium community secondary schools compared to those attending English-medium community primary schools.

Forecast city-wide demand for places – existing housing

Each of the faith-based and Foundation secondary schools has been fully-subscribed or over-subscribed at entry to Year 7 in recent years. The number of pupils promoting from primary education to secondary education has increased in this time and, based on the number of pupils within each primary school cohort, is projected to increase further in coming years.

As there are no proposals to increase the number of places available in faith-based secondary schools, the relative proportion of the population able to gain admission to faith-based schools will fall as the overall population increases. Consequently, the proportionate take-up of places in English-medium community and Foundation secondary schools would increase, in order to accommodate all pupils requiring a place.

The number of pupils resident in Cardiff taking up places in faith-based secondary schools in years 2015-16, 2016-17 and 2017-18 totalled 965, 1009 and 982 respectively. In each of these years, the faith –based secondary schools were fully subscribed, and there was little fluctuation in the number of pupils allocated places in each area of Cardiff.

Taking into account the number of average number of places allocated at faith-based secondary schools in recent years, to pupils from each area of the city, it is reasonable to forecast the number of pupils who may gain admission from each area in future years. This, in turn, allows forecasting of the number of pupils who may require English-medium community places.

Table 9 – forecast take up of places at entry to Year 7 in faith-based secondary schools in each English-medium secondary school catchment area	
Catchment area	Approximate forecast take up of places at faith school places within area
Cantonian High School	54
Cardiff High School	32
Cardiff West Community High School	144
Cathays High School	31
Eastern High	271
Fitzalan High School	105
Llanishen High School	230
Radyr Comprehensive School	10
Whitchurch High School	25
Willows High School	83
Total projected demand	985

In some areas of Cardiff there is a significant difference between the number of pupils enrolled in Year 6 in primary education and the number of pupils enrolled in Year 7 the following year as some families opt for secondary schools outside of Cardiff, private education, or education at home. Parental preference data indicates that some of these pupils had stated a preference for Cardiff schools but having failed to gain admission to their preferred school opted for alternatives at a later date. It would therefore be reasonable to conclude that, to accommodate the latent demand for English-medium community school places, additional places would be required.

Although the highest oversubscription criteria for admissions to faith-based and foundation secondary schools are not geographical based, the number of pupils admitted from each area in recent years allows approximate forecasting of the number of pupils who may gain admission in future.

Table 10 therefore sets out the net number of places that may be required to meet the demand for English-medium community and foundation places in each secondary school catchment area of the city (existing housing only).

Table 10: Forecast demand for places at any English-medium community secondary school in each English-medium secondary school catchment area (at entry to Year 7)

Catchment area	Forecasts based on PLASC data – pupils enrolled in primary education							Forecast – NHS data
	2019	2020	2021	2022	2023	2024	2025	2026
Cantonian High School	111-115	142-143	107-111	130-136	113-116	132-136	141-156	164-178
Cardiff High School	251-255	255-259	272-296	264-279	272-274	291-327	287-306	266-301
Cardiff West Community High School	212-225	249-282	279-294	235-241	301-311	252-289	217-239	194-211
Cathays High School	101-104	87-87	79-84	78-78	85-92	62-66	79-80	78-80
Eastern High	203-205	232-235	216-223	212-220	202-214	228-249	177-187	204-213
Fitzalan High School	314-318	360-364	367-368	337-346	360-369	346-356	286-295	342-353
Llanishen High School	344-351	367-376	367-375	339-350	355-382	343-375	296-323	312-337
Radyr Comprehensive School	139-146	149-168	180-189	175-220	162-196	160-184	168-194	156-192
Whitchurch High School	328-350	302-319	317-323	305-311	329-348	348-358	313-318	296-314
Willows High School	171-172	166-166	171-171	182-184	185-194	201-205	192-196	171-182
Total demand for English-medium Community/ Foundation places	2205-2212	2350-2358	2380-2409	2290-2334	2416-2443	2415-2494	2212-2241	2243-2301

Forecast demand for places – existing housing in the Willows High School catchment area

Tables 9 and 10 indicate that, in the Band B investment period, 249-288 English-medium secondary school places (community and faith-based) will be required to serve the existing Willows High School catchment area. Approximately 83 places would be taken up within faith-based schools by pupils resident in the area, and the remaining 166-205 pupils would take up places within English-medium community secondary schools.

This suggests that capacity of six to seven forms of entry (180 - 210 places) would be required to meet the demand for places from within the existing catchment area of Willows High School in the Band B period.

Forecasts for demand for places from existing housing beyond the Band B period would be based solely on NHS data and would not take account of parental preferences for type of primary school. Whilst this makes forecasting beyond 2025 difficult, there is no evidence at this time of a significant change in the size of cohorts in the pre-school population to those recently enrolled in primary education.

Forecast demand for places – planned/ proposed housing including strategic LDP sites within/ in close proximity to the Willows High School catchment area

There are a number of planned residential developments in close proximity to the Willows High School catchment area, including those with outline or full planning permission which would significantly increase the pupil population:

- International Sports Village, Grangetown
- Clive Lane Embankment
- West of Dumballs Road, Butetown
- Bessemer Fruit Market, Grangetown
- Gas Works site, Ferry Road, Grangetown
- Porth Teigr (Roath Basin), Butetown

Whilst developer contributions have been secured via s106 agreement to accommodate the secondary school age pupil yield from some of these residential developments, others are at earlier stages of planning and would be expected to further increase the number of pupils in the area.

Forecasts based on existing housing within the Fitzalan High School catchment area indicate that school capacity of 14 to 15 forms of entry would be necessary to meet the demand for places within an English-medium community secondary school in Cardiff.

Proposals to replace the existing Fitzalan High School with a new, 21st Century School of 10 Forms of Entry would also be expected to have a positive impact on parental preferences within its existing catchment area, further increasing demand for places at the school. Planned housing developments within the Fitzalan High School

catchment area, including those with outline or full planning permission would exacerbate this shortfall of places further.

Summary – Secondary demand

In summary, the above information suggests that capacity of six to seven forms of entry (180 - 210 places) would be broadly sufficient to meet the demand for places from within the existing catchment area of Willows High School in the Band B period.

Retaining the existing capacity of 7.4 Forms of Entry as this would not allow efficient organisation of year groups in the school. Reducing the capacity of Willows High School to 7 Forms of Entry or lower represents a risk as this may not provide sufficient places for the number of pupils within the catchment area of the school who may require places.

A marginal expansion to 8 Forms of entry would:

- create an efficient class organisation
- provide sufficient capacity to allow the projected number of local children requiring a place in an English-medium community high school to attend, and
- contributing a proportion of the additional places required to meet the projected demand from the wider area.