

Sports Facilities Calculator

The Sports Facility Calculator (SFC) can help quantify the additional demand for key community sports facilities created by a new population.

The calculator is designed to estimate the demand for sports facilities created by a new community as part of a residential development. It also provides an estimated cost value for the new facilities that demand has created. It helps to answer questions such as:

- “How much additional demand for swimming will the population of a new development area generate?”
- “What would the cost be to meet this new demand at today’s values?”

The SFC is hosted on Sport England’s Active Places Power website: www.activeplacespower.com. For more details see the Tool Guide: <https://www.support.activeplacespower.com/pages/sportsfacilitiescalculator>

Criteria

The SFC results presented below are based on the following user entered criteria:

Area of Interest: North Hertfordshire

Population demand estimated for: 7,680

Adjusted Demand: No

Swimming Pools: 0%

Artificial Grass Pitches: 0%

Indoor Bowls: 0%

Sports Halls: 0%

Outdoor Tennis Courts: 0%

Adjust Default Population Profile: No

Results

Date generated:

Swimming Pools	
Demand adjusted by	0%
Square meters	82.1
Lanes	1.55
Pools	0.39
vpwpp	499
Cost	£1,820,919

Sports Halls	
Demand adjusted by	0%
Courts	1.95
Halls	0.49
vpwpp	574
Cost	£1,505,829

Outdoor Tennis Courts	
Demand adjusted by	0%
Courts	1
vpwpp	156
Cost	£116,974

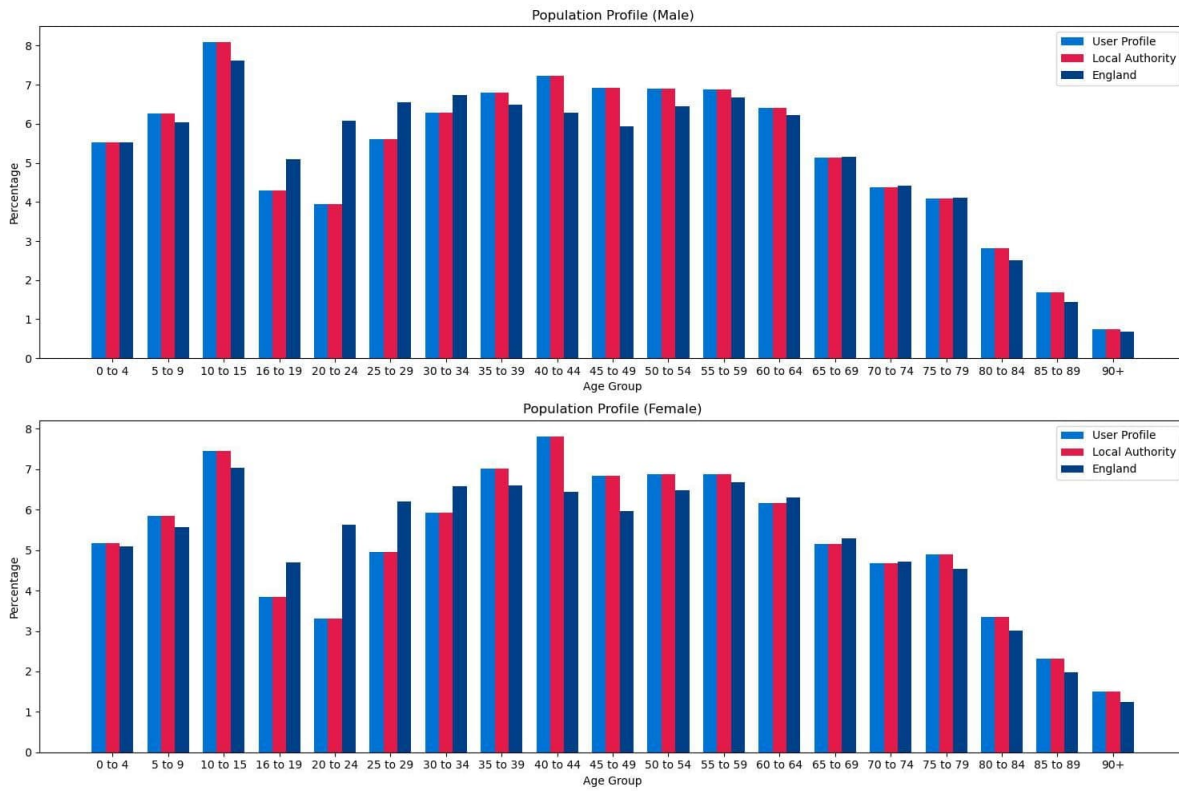
Indoor Bowls Centres	
Demand adjusted by	0%
Rinks	0.13
Centres	0.02
vpwpp	21
Cost	£61,661

Population Profile

Table

Age Group (Years)	Current Calculation		Area of Interest Default		England	
	Male (%)	Female (%)	Male (%)	Female (%)	Male (%)	Female (%)
0 – 4	5.53	5.17	5.53	5.17	5.52	5.09
5 – 9	6.26	5.84	6.26	5.84	6.03	5.56
10 – 15	8.09	7.46	8.09	7.46	7.62	7.03
16 – 19	4.3	3.85	4.3	3.85	5.09	4.7
20 – 24	3.95	3.3	3.95	3.3	6.07	5.62
25 – 29	5.6	4.96	5.6	4.96	6.56	6.2
30 – 34	6.29	5.93	6.29	5.93	6.74	6.59
35 – 39	6.79	7.02	6.79	7.02	6.48	6.6
40 – 44	7.23	7.82	7.23	7.82	6.29	6.44
45 – 49	6.92	6.83	6.92	6.83	5.94	5.96
50 – 54	6.91	6.88	6.91	6.88	6.45	6.48
55 – 59	6.89	6.87	6.89	6.87	6.68	6.68
60 – 64	6.4	6.16	6.4	6.16	6.22	6.3
65 – 69	5.13	5.15	5.13	5.15	5.15	5.29
70 – 74	4.38	4.68	4.38	4.68	4.42	4.71
75 – 79	4.09	4.9	4.09	4.9	4.11	4.53
80 – 84	2.82	3.35	2.82	3.35	2.51	3.01
85 – 89	1.68	2.32	1.68	2.32	1.44	1.97
90+	0.74	1.51	0.74	1.51	0.68	1.24

Population Profile Comparison



Population and Cost Data Sources

The SFC uses the following default data sources which are updated annually:

Population data

Office of National Statistics

2024 population projections, based on the 2021 Census data and modified by the 2018-based subnational population projections for Local Authorities. Adapted from data from the Office for National Statistics licensed under the Open Government Licence v3.0. For further information visit: [ONS Population Projections webpage](#).

Greater London Authority

2024 London Borough projections are modified by Greater London Authority (GLA) 2021-based Demographic Projections – ward populations, identified capacity scenario, © GLA, 2021. For further information visit: [Greater London Authority Housing-led Population Projections webpage](#).

Cost Data

Capital Costs

Sport England's 2nd Quarter 2024 facility cost updates. For further information, visit: [Sport England Facility Costs Guidance](#).

Cost Variations

Building Cost Information Service (BCIS) (all-in Tender Price Index) pricing adjustment factors (2024). For further information, visit [Building Cost Information Service website](#).

Definitions

The definitions and units expressed in the report outputs are:

Swimming Pools

Square meters: Water space area (square metres)

Lanes: Swimming pool (main/general) lane equivalents (25m x 2.125m)

Pools: 4-lane (25m x 8.5m) Swimming Pool equivalents

vpwpp: Visits per week in the peak period

Cost: Estimated cost to build specified 5-lane Swimming Pool equivalents (25m x 10.5m). A 5-lane pool size is chosen to ensure a representative cost, that is, a 4-lane pool cost is not underestimated (by applying a 6-lane cost) and/or a 6-lane pool overestimated (by applying a 4-lane cost).

Sports Halls

Courts: Badminton court equivalents (Main Sports Hall)

Halls: 4-court Main Sports Hall (34.5m x 20m) equivalents

vpwpp: Visits per week in the peak period

Cost: Estimated cost to build specified 4-court Main Sport Hall (34.5m x 20m) equivalents.

Artificial Grass Pitches

Pitches: Full size AGP equivalent, where a pitch has minimum dimensions of 102m x 63m

vpwpp: Visits per week in the peak period

Cost if 3G: Estimated cost to build specified pitch equivalents. Costs are based on a senior football pitch size (106m x 70m), 60mm longer pile artificial grass carpet with fencing and artificial sports lighting.

Cost if Sand: Estimated cost to build specified pitch equivalents. Costs are based on pitch size of 106m x 70m, 23mm sand filled with fencing and artificial sports lighting.

Outdoor Tennis Courts

Courts: Outdoor tennis court equivalents.

vpwpp: Visits per week in the peak period

Cost: Estimated cost to build specified court equivalents. Costs are based on a four court (26.58 x 64.01m) macadam and fenced facility with artificial sports lighting.

Indoor Bowls

Rinks: Indoor bowl rink

Centres: 6-rink Indoor Bowls Centre equivalents

vpwpp: Visits per week in the peak period

Cost: Estimated cost to build specified 6-rink Indoor Bowls Centre equivalents