

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: **Gravesham**

Population demand estimated for: **350**

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	3.81
Lanes	0.07
Pools	0.02
vpwpp	23
Cost	£87,713

Sports Halls	
Demand adjusted by	0%
Courts	0.09
Halls	0.02
vpwpp	27
Cost	£73,238

Artificial Grass Pitches	
Demand adjusted by	0%
Pitches	0.01
vpwpp	8
Cost if 3G	£13,328
Cost if Sand	£12,024

Outdoor Tennis Courts	
Demand adjusted by	0%
Courts	0.05
vpwpp	7
Cost	£5,665

Indoor Bowls Centres	
Demand adjusted by	0%
Rinks	0.01
Centres	0
vpwpp	1
Cost	£2,634

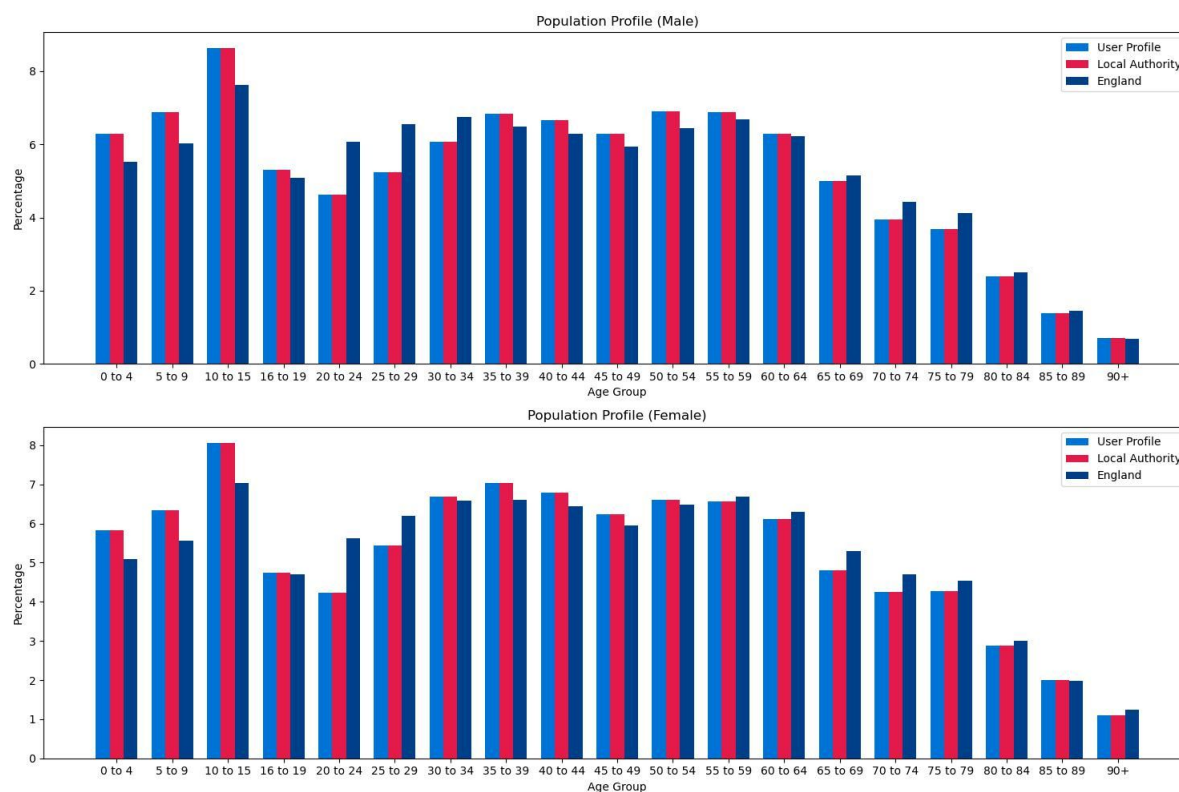
Population Profile

Table

Age Group (Years)	Current Calculation		Area of Interest Default		England	
	Male (%)	Female (%)	Male (%)	Female (%)	Male (%)	Female (%)
0 – 4	6.29	5.82	6.29	5.82	5.52	5.09
5 – 9	6.89	6.35	6.89	6.35	6.03	5.56

10 – 15	8.63	8.07	8.63	8.07	7.62	7.03
16 – 19	5.3	4.75	5.3	4.75	5.09	4.7
20 – 24	4.62	4.23	4.62	4.23	6.07	5.62
25 – 29	5.24	5.43	5.24	5.43	6.56	6.2
30 – 34	6.06	6.68	6.06	6.68	6.74	6.59
35 – 39	6.84	7.03	6.84	7.03	6.48	6.6
40 – 44	6.65	6.79	6.65	6.79	6.29	6.44
45 – 49	6.29	6.24	6.29	6.24	5.94	5.96
50 – 54	6.9	6.61	6.9	6.61	6.45	6.48
55 – 59	6.89	6.56	6.89	6.56	6.68	6.68
60 – 64	6.29	6.11	6.29	6.11	6.22	6.3
65 – 69	5	4.81	5	4.81	5.15	5.29
70 – 74	3.95	4.26	3.95	4.26	4.42	4.71
75 – 79	3.68	4.27	3.68	4.27	4.11	4.53
80 – 84	2.39	2.88	2.39	2.88	2.51	3.01
85 – 89	1.39	2.01	1.39	2.01	1.44	1.97
90+	0.7	1.1	0.7	1.1	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