



**The Scottish
Government**

**‘GREEN BOOK’
FOR
GRANT AIDED EXPENDITURE**

**LOCAL GOVERNMENT FINANCE
SETTLEMENT 2018 – 2019**

2018-19

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1 Introduction and Background

1.1 Context

This report details the Grant Aided Expenditure methodology, data and calculations central to the Scottish Government's distribution of total revenue funding between Scotland's 32 local authorities for financial year 2018-19. Any methodological or data changes since the 2017-18 local government finance settlement are also explained.

Grant Aided Expenditure (GAE) and Special Islands Needs Allowance (SINA) are the first steps in the calculation of the General Revenue Funding (GRF) which each local authority receives annually from the Scottish Government. The subsequent steps in the calculation of GRF (not covered in this report) include support for servicing outstanding debt, protection against large year on year changes through the use of a funding floor and deductions using estimates of local authority Council Tax income.

The full details behind the calculation of the 2018-19 allocations are set out in [Local Government Finance Circular No 4/2018](#) and are not covered in this report.

1.2 What is GAE?

GAE is the needs-based methodology used to allocate the pre-determined Spending Review funding totals equitably amongst local authorities, based on a 'client group approach' (described in next section). This client group approach does not determine the level of provision in absolute terms, nor its allocation between different services.

Total GAE is split into 89 individual local authority sub-services and has been maintained at the same levels since 2007-08 (see section 2.1). The individual sub-service totals are referred to as GAE 'lines' (for example, the Primary School Teaching Staff GAE line) and each has its own methodology to calculate the allocations for each local authority. Once all GAE lines have been calculated, the lines are summed to give GAE totals for each local authority.

Special Islands Needs Allowance for local authorities with island populations is calculated and added to the total GAE to give the Total Estimated Service Expenditure by local authority. This is combined with the other items of provision as described in **Annex D** of the Local Government Finance Circular 4/2018 to give Updated Service Provision (Column 1 in **Annex B** of the Circular).

It is important to note that the individual service GAE allocations are not, nor ever have been, budgets or spending targets, but are simply an allocation methodology designed to distribute the overall levels of resources to be made available. They are not intended to be used by local authorities to allocate

resources. The decisions about the amounts allocated to individual services are made entirely by the local authority on the basis of local needs, having first fulfilled its statutory obligations and the jointly agreed set of national and local priorities.

1.3 The Client Group Approach (i.e. GAE Methodology)

The client group approach is an objective method used to estimate, within a controlled total, the relative GAE of local authorities and is designed to take into account variations in the demand for services and the costs of providing them to a similar standard and with a similar degree of efficiency. Central to the approach is the identification of factors associated with inter-authority expenditure variation.

Statistical data describing the 'clients' that are understood to benefit from each individual GAE service are used to achieve this (for example, the number of school pupils is used as an indicator of expenditure on school teaching staff). These data are referred to as primary indicators.

The primary indicator is considered to be the most significant single determinant of expenditure on a service. Composite primary indicators are single indicator expressions which encompass a number of factors, each considered to be plausibly associated with inter-authority variation in expenditure.

In addition, demand and cost factors which are outwith the control of local authorities, which offer plausible explanation for, and which can be shown to be associated with, inter-authority expenditure variation are utilised as secondary indicators. Examples of these include indicators of population dispersion (i.e. rurality) and deprivation.

Secondary indicators must be factors which plausibly affect either the demand for services or the unit cost of meeting that demand. They were selected after thorough discussions with local authorities and other service specialists. In addition, the secondary indicator must be shown to be clearly correlated with inter-authority variations in expenditure. The size of the allowance made for a secondary indicator is derived mathematically from the relationship between past expenditure and the secondary indicator, and results in some redistribution of relative GAE. For instance, Grant Aided Expenditure for primary school teaching staff has been adjusted by a secondary indicator which takes account of the higher ratio of staff to pupils in rural areas.

For the 2018-19 calculations, all secondary indicators have been tested against the latest available expenditure data from the 2015-16 Local Financial Returns that are collected from local authorities by the Scottish Government. The test is a simple linear regression to measure the relationship between the secondary indicator and expenditure per primary indicator. The regression coefficient calculated is used to determine the redistributive effect of the secondary indicator. For all secondary indicators, the newly calculated coefficient is re-priced in order to update it from the year of analysis of past expenditure to the

year for which GAE is being estimated. Finally, in the interests of stability, they are averaged with the coefficient used in the previous settlement (2017-18).

The client group approach used in GAE is well established, and much of the methodology is unchanged between settlements. A full description of the Client Group Approach is provided in [Finance Circular 11/1992](#).

2 Changes Since the Last Settlement

2.1 Comparison to 2017-18 Settlement

All the needs-based indicators used in GAE assessments have, where possible, been updated to use the most up-to-date data available.

With the exception of Building Control GAE, which was adjusted downwards following increased building warrant fees being collected by local authorities, all GAE line totals remain at the same levels as the 2017-18 settlement. This is in keeping with the practice introduced for the 2008-11 settlement where individual service and sub-service level GAEs were generally kept the same as those from the previous settlement. GAE plus SINA totals for each local authority are used to distribute any additional changes in funding resulting from subsequent Spending Reviews.

2.2 Data Issues

The Data Issues Working Group (DIWG) is the technical advisory group, comprising of representatives of the Scottish Government and local government (including COSLA), which exists to assist the analytical work undertaken in support of the Grant Aided Expenditure (GAE) calculations. The work programme of the DIWG is directed by the Settlement and Distribution Group (SDG), which was established to oversee all matters relating to the local government finance settlement. Data issues dealt with through the DIWG, and agreed by the SDG, since the last settlement are listed below.

Secondary Indicator Review 2017

Thirteen secondary indicators were tested, twelve of which returned significant values to confirm that the expected relationships still exist. The secondary indicator (Dispersion Index) for Waste Collection failed the statistical testing in SIR 2017 for the first time. The SDG agreed to follow established procedure and use a 3-year average of the secondary indicator instead, which passed the significance testing.

In addition to the one indicator which failed testing, a large difference was observed in the coefficients for School Meals between SIR 2016 and SIR 2017. This large difference related to a change in the primary indicator for School Meals GAE which was made to avoid the double counting of those pupils who

were being provided for by additional funding which was made available between these years – as discussed in more detail in section 2.3.

Under normal circumstances, SIR coefficients are averaged with the coefficient used in the previous settlement to reduce the impact of any large changes and increase stability. However, since the change to School Meals GAE reflects a step change in the primary indicator rather than single-year volatility, the SDG agreed not to dampen the coefficient with the coefficient used in the last settlement.

Welfare Reform

Benefits data from the Department for Work and Pensions (DWP) is used in a number of GAE lines as an indicator of deprivation. As the move to Universal Credit (UC) brings together a number of benefit payments into one single payment it impacts on the data available for use in the GAE calculations. The 2017-18 calculations used data on dependants of claimants of Income Support (IS) and Job Seekers Allowance (JSA) from May 2015. Due to the introduction of UC for couples and families in Inverness in early 2015, the dependants data for Highland were affected. In order to mitigate against the impact of the introduction of UC, the SDG agreed that, for Highland, the growth rate in total IS/JSA/UC between May 2014 and 2015 be applied to the May 2014 IS/JSA dependants data.

Dependants data for May 2016 had not been published by the DWP in time for the 2018-19 GAE calculations, as publication was delayed by attempts to fully incorporate the impact of UC. In the absence of this data, SDG agreed to apply the growth rate in total IS/JSA/UC between May 2015 and May 2016 to the May 2015 IS/JSA dependants data for all local authorities except Highland. For Highland, the growth rate in total IS/JSA/UC between May 2014 and May 2016 was applied to the May 2014 IS/JSA dependants data.

2.3 Specific GAE Assessments

School Meals

Universal eligibility for free school meals (FSM) was introduced for all pupils in P1-P3 in Scottish primary schools in January 2015. Additional funding was made available to cover the extended provision and was intended to provide for those pupils who would not be registered for free school meals under the previous national criteria. The SDG agreed that, for 2018-19, this funding be allocated on the estimated number of P1-P3 pupils not registered for free school meals under the national criteria, and that the estimate be based on the number of P4-P7 registered for FSM taken from the 2017 Healthy Living Survey.

School Meals GAE uses the number of pupils present taking meals (paid or unpaid) as the primary indicator. The indicator is designed to capture all meals supplied by the local authority, which will rise with universal eligibility in P1-P3.

However, as the indicator is designed to capture all meals supplied by the local authority under the national scheme, an adjustment is required to take account of the new universal eligibility in P1-P3. Otherwise pupils in P1-P3 who would not be registered for FSM under national criteria would be double counted, as they are being funded separately.

The SDG agreed prior to the 2017-18 settlement that the primary indicator for School Meals GAE be changed to the number of pupils taking meals (paid or unpaid) minus the estimated number of P1-P3 pupils who would not be registered under the national scheme, and that the estimated number be calculated on the same basis as the additional FSM funding. For the 2018-19 settlement, this is the number of P4-P7 registered for FSM taken from the 2017 Healthy Living Survey.

The SDG also agreed that overall funding for free school meals be revisited before the next settlement.

Civil Protection

The shares of Civil Protection GAE had remained the same since the former specific grant was transferred to GAE in 2001-02. For the 2018-19 settlement onwards, the SDG agreed to provide each authority with a fixed allocation of £50k to fund an Emergency Planning Officer, with the remainder being allocated based on population.

Home Based Elderly

The Services for the Home Based Elderly GAE line allocates £518.2m. The funding is allocated using an age-weighted population based composite indicator that includes a number of factors considered to impact on the cost/demand for home based elderly services. The weights applied to each age group are derived from the national number of home care clients in the age group as a proportion of the age group population – full details of the calculation of the composite indicator are presented in [Annex 2](#).

Social Care clients now have more choice and control over the services they receive because of Self-Directed Support (SDS), which allows people to choose how their support is provided, and gives them as much control as they want of their individual budget. People who opt for SDS are not included in the number of home care clients.

The SDG agreed to include the number of SDS clients in the calculation of the population weights to ensure the entire client group are captured, regardless of how the service is provided.

Services for People with HIV/AIDS

The Services for People with HIV/AIDS line and the related Casework & Related Admin: HIV/AIDS GAE line are based on the number of cases of HIV in

each local authority based on data supplied by Health Protection Scotland (HPS). Historically, a weighting has been applied to this information based on whether a case has been registered as AIDS – the most severe stage of HIV infection.

HPS have advised that AIDS is no longer the marker of progression that it once was, due to the availability of more effective treatments, and that as a result clinicians throughout Scotland are no longer routinely reporting AIDS diagnoses. This has resulted in significant under-reporting in some areas. Based on this advice from HPS, SDG agreed to no longer include a weighting in the calculation, and instead allocate on the basis of total HIV numbers.

3 Settlement Checking Process

The remit of the Settlement and Distribution Group stated that the group feed into the checking of the local government finance settlement prior to publication. A major part of this checking relates to the GAE calculations to ensure that all the relevant indicators have been updated and the correct methodology applied. The checking took place on 5th December 2017, when local authority and COSLA officials were given full access to the GAE calculations set out in this report.

4 Guide to the Tables

[Section 1](#) shows broad service level totals (i.e. education, social work, roads and transport etc.) for 2018-19.

[Section 2](#) shows the 2018-19 calculations by sub service heading. For each GAE service heading all indicators (primary, secondary and composite) are shown and indicator notes, definitions and sources are all brought together to allow as much detail as possible in a single place, and under a single heading. Table notes may refer to an annex where further background data has been used in the construction of a particular indicator (for example population adjustments and construction of the composite indices).

An excel spreadsheet version of the tables which contains formulas showing the calculations of GAE shares is available online at the following link.

<http://www.gov.scot/Topics/Statistics/18209/2018-19settlement/2018-19greenbook>

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Summary of GAE Assessments by Service
2018-19

Local Authority	Education	Social Work	Roads & Transport	Leisure & Recreation	Cleansing & Environment	Elections & Taxation	Other Services	Teacher Remoteness & Distant Islands Allowances	TOTAL Grant Aided Expenditure	Special Islands Needs Allowance	£000s
											Estimated Service Expenditure
Aberdeen City	139,384	80,317	13,313	19,359	14,401	3,327	8,450	-514	278,037	0	278,037
Aberdeenshire	223,172	87,118	28,593	17,351	14,980	3,601	10,429	-587	384,658	0	384,658
Angus	92,462	49,154	10,522	7,715	6,715	1,670	4,537	-259	172,517	0	172,517
Argyll & Bute	72,072	37,199	13,023	5,934	6,103	1,855	4,678	-40	140,824	2,386	143,210
Clackmannanshire	40,972	19,815	3,864	3,763	3,056	662	2,545	-115	74,561	0	74,561
Dumfries & Galloway	122,833	66,554	18,529	11,118	9,322	2,397	6,338	-335	236,756	0	236,756
Dundee City	115,529	64,921	8,326	11,672	9,503	2,088	8,834	-332	220,542	0	220,542
East Ayrshire	96,467	50,303	9,742	8,956	7,232	1,587	4,967	-274	178,980	0	178,980
East Dunbartonshire	96,271	40,528	8,162	7,430	6,052	1,213	4,775	-241	164,191	0	164,191
East Lothian	83,684	39,398	7,606	7,463	5,954	1,335	4,926	-233	150,135	0	150,135
East Renfrewshire	97,974	35,461	6,957	6,377	5,217	993	3,642	-210	156,411	0	156,411
Edinburgh (City of)	304,236	185,176	24,888	43,472	33,235	7,333	18,486	-1,135	615,690	0	615,690
Eilean Siar	25,779	12,127	5,740	2,100	1,945	544	2,765	3,468	54,468	5,600	60,068
Falkirk	129,057	60,134	11,791	11,470	9,329	2,043	7,017	-357	230,484	0	230,484
Fife	297,864	146,346	27,143	25,256	21,823	4,942	18,568	-829	541,113	0	541,113
Glasgow City	441,708	252,691	32,490	59,085	42,175	8,928	40,772	-1,377	876,472	0	876,472
Highland	204,237	89,858	32,263	17,035	15,419	4,297	10,120	-428	372,801	420	373,221
Inverclyde	62,114	36,189	5,213	5,612	4,909	1,036	5,280	-177	120,176	0	120,176
Midlothian	75,671	32,674	6,735	6,181	5,072	1,132	3,355	-198	130,621	0	130,621
Moray	73,633	36,951	8,904	6,105	5,571	1,375	4,353	-215	136,677	0	136,677
North Ayrshire	113,880	60,561	10,348	9,576	8,388	1,893	7,341	-304	211,682	761	212,443
North Lanarkshire	288,919	128,871	22,865	24,394	20,209	4,206	16,826	-760	505,531	0	505,531
Orkney Islands	22,827	8,528	9,614	1,723	1,438	475	2,275	3,574	50,454	5,853	56,307
Perth & Kinross	111,142	62,644	14,499	10,599	9,043	2,371	6,219	-337	216,179	0	216,179
Renfrewshire	140,577	70,584	15,043	13,729	10,743	2,427	7,128	-394	259,838	0	259,838
Scottish Borders	93,602	48,061	13,305	7,994	6,998	1,903	4,550	-246	176,166	0	176,166
Shetland Islands	26,212	7,991	11,616	2,432	1,593	458	2,419	4,631	57,350	5,699	63,049
South Ayrshire	85,719	50,788	9,503	8,280	6,801	1,612	4,684	-252	167,135	0	167,135
South Lanarkshire	262,476	124,583	24,345	22,002	18,455	4,121	16,133	-710	471,406	0	471,406
Stirling	78,295	34,225	10,086	6,904	5,634	1,397	3,592	-210	139,924	0	139,924
West Dunbartonshire	78,094	38,914	6,091	6,395	5,638	1,222	3,780	-201	139,933	0	139,933
West Lothian	160,220	61,297	12,859	12,493	10,354	2,291	8,846	-403	267,956	0	267,956
Scotland	4,257,085	2,119,962	443,975	409,973	333,306	76,735	258,629	0	7,899,665	20,719	7,920,384

**Nursery School Teaching Staff
2018-19**

Primary Indicator	GAE	
Population Aged 3 & 4	GAE Total (£000s)	£26,215

**Primary School Teaching Staff
2018-19**

Primary Indicator	Secondary Indicator	GAE	
Primary Sector Pupils	Percentage of Pupils in Small Schools	GAE Total (£000s)	£902,523

**Secondary School Teaching Staff
2018-19**

Primary Indicator	Island LA Adjustment	GAE	
Secondary Sector Pupils		GAE Total (£000s)	£1,141,745

Coefficient	0.0324
Wt Mean	4.06

Adjustment	0.8084
Non-Island Pupils	281,322

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	4,811	4.1%	1,069
Aberdeenshire	6,096	5.2%	1,355
Angus	2,402	2.0%	534
Argyll & Bute	1,608	1.4%	357
Clackmannanshire	1,228	1.0%	273
Dumfries & Galloway	2,824	2.4%	628
Dundee City	3,361	2.8%	747
East Ayrshire	2,808	2.4%	624
East Dunbartonshire	2,246	1.9%	499
East Lothian	2,397	2.0%	533
East Renfrewshire	2,338	2.0%	520
Edinburgh (City of)	10,593	9.0%	2,354
Eilean Siar	519	0.4%	115
Falkirk	3,633	3.1%	807
Fife	8,163	6.9%	1,814
Glasgow City	13,882	11.8%	3,085
Highland	4,835	4.1%	1,074
Inverclyde	1,579	1.3%	351
Midlothian	2,277	1.9%	506
Moray	1,967	1.7%	437
North Ayrshire	2,802	2.4%	623
North Lanarkshire	7,813	6.6%	1,736
Orkney Islands	426	0.4%	95
Perth & Kinross	2,984	2.5%	663
Renfrewshire	3,905	3.3%	868
Scottish Borders	2,442	2.1%	543
Shetland Islands	553	0.5%	123
South Ayrshire	2,122	1.8%	472
South Lanarkshire	7,047	6.0%	1,566
Stirling	1,847	1.6%	410
West Dunbartonshire	2,084	1.8%	463
West Lothian	4,381	3.7%	974
TOTAL	117,973	100.0%	26,215

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
14,001	31,375	0.00	-1,838	3.3%	29,537
21,208	47,526	12.15	5,557	5.9%	53,082
8,705	19,507	7.25	900	2.3%	20,407
5,869	13,152	21.97	3,403	1.8%	16,555
4,118	9,228	1.11	-392	1.0%	8,836
10,698	23,973	18.83	5,114	3.2%	29,088
10,854	24,323	0.00	-1,425	2.5%	22,898
9,326	20,899	1.20	-861	2.2%	20,038
9,085	20,359	0.45	-1,060	2.1%	19,299
8,540	19,138	2.96	-303	2.1%	18,834
9,207	20,632	0.36	-1,103	2.2%	19,529
30,787	68,992	0.21	-3,837	7.2%	65,154
1,906	4,271	17.79	847	0.6%	5,118
12,878	28,859	1.16	-1,207	3.1%	27,652
29,305	65,670	2.28	-1,688	7.1%	63,982
41,754	93,568	0.00	-5,482	9.8%	88,086
17,480	39,171	15.15	6,274	5.0%	45,445
5,479	12,278	0.00	-719	1.3%	11,559
7,587	17,002	1.26	-688	1.8%	16,314
7,049	15,796	9.46	1,234	1.9%	17,030
10,487	23,501	3.56	-168	2.6%	23,332
27,941	62,614	0.48	-3,233	6.6%	59,381
1,585	3,552	19.68	801	0.5%	4,353
10,471	23,465	8.30	1,438	2.8%	24,903
13,415	30,062	0.26	-1,650	3.1%	28,412
8,199	18,373	11.46	1,965	2.3%	20,338
1,897	4,251	16.91	789	0.6%	5,040
7,875	17,647	4.59	135	2.0%	17,783
25,250	56,583	3.05	-820	6.2%	55,764
6,657	14,918	7.63	769	1.7%	15,687
7,334	16,435	0.00	-963	1.7%	15,472
15,798	35,402	0.56	-1,790	3.7%	33,613
402,745	902,523	4.08	0	100.0%	902,523

Notes:
- Pupil Numbers: Scottish Government Pupil Census 2017.
- Percentage of Pupils in Small Schools: Pupils in primary schools of less than 70, in settlements in Scottish Government urban / rural classifications 5 and 6, as a percentage of all pupils averaged over 2 years (Source: Scottish Government Education Analytical Services Directorate)
- Secondary indicator effect calculated as follows:
(Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

Indicator (number)	Effect (£000s)	Effect (£000s)	Effect (£000s)	Share	GAE (£000s)
8,732	34,949		-99	3.1%	34,850
14,442	57,803		-164	5.0%	57,640
6,373	25,508		-72	2.2%	25,435
4,401	17,615		-50	1.5%	17,565
2,549	10,202		-29	0.9%	10,173
8,056	32,244		-91	2.8%	32,152
7,354	29,434		-83	2.6%	29,351
6,539	26,172		-74	2.3%	26,098
7,657	30,647		-87	2.7%	30,560
5,695	22,794		-64	2.0%	22,729
7,868	31,491		-89	2.8%	31,402
18,886	75,590		-214	6.6%	75,376
1,457	5,832	1,178		0.6%	7,009
8,941	35,786		-101	3.1%	35,685
20,111	80,493		-228	7.0%	80,265
26,152	104,672		-286	9.1%	104,376
13,345	53,413		-151	4.7%	53,262
4,395	17,591		-50	1.5%	17,541
5,052	20,220		-57	1.8%	20,163
4,864	19,468		-55	1.7%	19,413
7,817	31,287		-89	2.7%	31,199
20,926	83,755		-237	7.3%	83,518
1,143	4,575	924		0.5%	5,499
7,448	29,810		-84	2.6%	29,726
10,127	40,533		-115	3.5%	40,418
6,412	25,664		-73	2.2%	25,591
1,340	5,363	1,083		0.6%	6,447
6,148	24,607		-70	2.1%	24,537
18,829	75,362		-213	6.6%	75,149
5,835	23,354		-66	2.0%	23,288
5,247	21,001		-59	1.8%	20,941
11,121	44,511		-126	3.9%	44,385
285,262	1,141,745	3,185	-3,185	100.0%	1,141,745

Notes:
- Pupil Numbers: Scottish Government Pupil Census 2017.
- Adjustment based on the difference in average cost per pupil between island and mainland authorities (fixed since GAE 2001/02)

**Special Education
2018-19**

Primary Indicator	GAE	
Population Aged 2-19	GAE Total (£000s)	£243,588

**School Transport
2018-19**

Primary Indicator	Secondary Indicator	GAE	
Population Aged 5-15	Population Dispersion	GAE Total (£000s)	£54,853

Coefficient	0.0049
Wt Mean	5.38

**School Meals
2018-19**

Primary Indicator	Secondary Indicator	GAE	
Adjusted Pupils Taking Meals	IS / JSA Dependents per 1,000 aged 0-19	GAE Total (£000s)	£74,691

Coefficient	0.0013
Wt Mean	81.51

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	38,950	3.7%	9,062
Aberdeenshire	54,453	5.2%	12,668
Angus	22,453	2.1%	5,224
Argyll & Bute	15,670	1.5%	3,646
Clackmannanshire	10,291	1.0%	2,394
Dumfries & Galloway	27,237	2.6%	6,337
Dundee City	28,185	2.7%	6,557
East Ayrshire	24,069	2.3%	5,600
East Dunbartonshire	21,682	2.1%	5,044
East Lothian	21,418	2.0%	4,983
East Renfrewshire	21,529	2.1%	5,009
Edinburgh (City of)	87,830	8.4%	20,433
Eilean Siar	4,920	0.5%	1,145
Falkirk	32,086	3.1%	7,465
Fife	73,854	7.1%	17,182
Glasgow City	111,894	10.7%	26,032
Highland	45,591	4.4%	10,607
Inverclyde	14,964	1.4%	3,481
Midlothian	18,625	1.8%	4,333
Moray	19,079	1.8%	4,439
North Ayrshire	26,788	2.6%	6,232
North Lanarkshire	72,276	6.9%	16,815
Orkney Islands	4,032	0.4%	938
Perth & Kinross	28,435	2.7%	6,615
Renfrewshire	34,404	3.3%	8,004
Scottish Borders	21,744	2.1%	5,059
Shetland Islands	4,814	0.5%	1,120
South Ayrshire	20,585	2.0%	4,789
South Lanarkshire	62,505	6.0%	14,541
Stirling	19,218	1.8%	4,471
West Dunbartonshire	17,828	1.7%	4,148
West Lothian	39,629	3.8%	9,219
TOTAL	1,047,038	100.0%	243,588

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
21,981	1,918	0.3	-547	2.5%	1,371
33,905	2,958	12.7	1,213	7.6%	4,172
13,653	1,191	3.4	-133	1.9%	1,059
9,390	819	31.4	1,195	3.7%	2,014
6,169	538	2.6	-84	0.8%	454
16,834	1,469	15.8	858	4.2%	2,327
15,858	1,384	0.0	-418	1.8%	966
14,555	1,270	5.0	-27	2.3%	1,243
13,347	1,165	0.8	-299	1.6%	865
13,252	1,156	3.2	-142	1.8%	1,015
13,378	1,167	1.3	-267	1.6%	900
50,854	4,437	0.1	-1,315	5.7%	3,123
3,076	268	51.7	697	1.8%	965
19,696	1,718	0.8	-442	2.3%	1,277
44,566	3,888	3.2	-476	6.2%	3,412
63,610	5,550	0.0	-1,675	7.1%	3,875
28,270	2,467	28.3	3,169	10.3%	5,636
9,041	789	1.6	-167	1.1%	621
11,227	980	2.0	-186	1.4%	794
11,746	1,025	7.0	93	2.0%	1,118
16,343	1,426	2.5	-231	2.2%	1,195
44,268	3,862	1.3	-884	5.4%	2,978
2,532	221	15.0	119	0.6%	340
17,333	1,512	10.5	434	3.5%	1,946
20,660	1,803	1.4	-403	2.6%	1,400
13,232	1,155	17.8	804	3.6%	1,958
2,943	257	31.9	382	1.2%	639
12,546	1,095	6.0	38	2.1%	1,132
37,836	3,301	1.8	-663	4.8%	2,638
11,055	965	7.8	131	2.0%	1,095
10,815	944	0.1	-280	1.2%	664
24,708	2,156	1.3	-494	3.0%	1,662
628,679	54,853	0.0	0	100.0%	54,853

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.
- Population Dispersion: This is a measure of the degree to which the population of an authority is spread across its area in relation to (main) settlements. The expression may be defined as the sum of the distances between census output areas, that are outwith settlements of 7,000 or more and the nearest settlement of 7,000 or more (referred to as a Key Settlement). This is multiplied by the population of the output area relative to the non-settlement population of the authority:

$$LA \text{ Dispersion}(OA_i) = \frac{\sum \text{Distance}(OA_i \rightarrow \text{Nearest}) \times \text{Population}}{\text{Total Population}}$$

Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
5,633	1,936	75	-47	2.5%	1,889
12,978	4,460	49	-532	5.3%	3,928
5,617	1,930	67	-104	2.4%	1,826
3,873	1,331	51	-149	1.6%	1,182
2,613	898	115	112	1.4%	1,010
7,900	2,715	82	7	3.6%	2,722
6,732	2,314	121	342	3.6%	2,656
4,146	1,425	102	107	2.1%	1,532
4,878	1,676	34	-297	1.8%	1,380
3,117	1,071	69	-50	1.4%	1,021
7,158	2,460	31	-466	2.7%	1,994
8,599	2,955	66	-166	3.7%	2,789
1,763	606	33	-109	0.7%	497
7,309	2,512	87	51	3.4%	2,563
15,644	5,376	87	105	7.3%	5,481
17,786	6,112	130	1,108	9.7%	7,220
9,761	3,354	65	-209	4.2%	3,145
5,099	1,752	104	145	2.5%	1,897
4,904	1,685	88	40	2.3%	1,726
3,099	1,065	62	-79	1.3%	986
6,659	2,288	137	474	3.7%	2,763
14,751	5,069	96	281	7.2%	5,350
1,471	505	45	-69	0.6%	437
6,835	2,349	48	-291	2.8%	2,058
5,982	2,056	87	41	2.8%	2,097
4,836	1,662	64	-106	2.1%	1,556
1,773	609	50	-70	0.7%	539
4,189	1,440	78	-17	1.9%	1,422
14,228	4,889	79	-46	6.5%	4,843
5,400	1,856	57	-173	2.3%	1,683
3,627	1,246	130	225	2.0%	1,471
8,990	3,089	77	-58	4.1%	3,032
217,350	74,691	83	0	100.0%	74,691

Notes:
- Pupils Present Taking Meals (paid or unpaid), incorporating P1-P3 adjustment: Scottish Government Healthy Living Survey 2017. See Specific GAE Assessments (section 2.3).
- Income Support / Jobseekers Allowance Dependents: DWP 2016 data (DWP WPLS 100% data and HMRC Child Benefit administrative data) per 1,000 population aged 0-19 (NRS MYE 2016). See Data Issues (section 2.2).
- Secondary indicator effect calculated as follows:
(Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

**School Non-Teaching Staff, Property etc
2018-19**

Primary Indicator	GAE	
All Education Authority Pupils	GAE Total (£000s)	£859,543

**School Hostels and Clothing
2018-19**

Primary Indicator	Secondary Indicator 1	Secondary Indicator 2	GAE	
All Education Authority Pupils	Hostel Places per 1,000 Pupils	IS / JSA Dependants per 1,000 aged 0-19	GAE Total (£000s)	£26,998

Coefficient	0.0186	Coefficient	0.0002
Wt Mean	0.62	Wt Mean	82.66

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	26,328	3.4%	29,053
Aberdeenshire	40,329	5.2%	44,503
Angus	16,963	2.2%	18,719
Argyll & Bute	11,671	1.5%	12,879
Clackmannanshire	7,667	1.0%	8,461
Dumfries & Galloway	21,122	2.7%	23,308
Dundee City	20,827	2.7%	22,983
East Ayrshire	17,968	2.3%	19,828
East Dunbartonshire	18,574	2.4%	20,497
East Lothian	16,113	2.1%	17,781
East Renfrewshire	18,890	2.4%	20,845
Edinburgh (City of)	58,060	7.5%	64,070
Eilean Siar	3,831	0.5%	4,228
Falkirk	24,529	3.1%	27,068
Fife	55,690	7.1%	61,454
Glasgow City	77,411	9.9%	85,424
Highland	34,946	4.5%	38,563
Inverclyde	11,036	1.4%	12,178
Midlothian	14,528	1.9%	16,032
Moray	13,496	1.7%	14,893
North Ayrshire	20,466	2.6%	22,584
North Lanarkshire	54,767	7.0%	60,436
Orkney Islands	3,111	0.4%	3,433
Perth & Kinross	20,169	2.6%	22,257
Renfrewshire	26,760	3.4%	29,530
Scottish Borders	16,435	2.1%	18,136
Shetland Islands	3,723	0.5%	4,108
South Ayrshire	15,800	2.0%	17,435
South Lanarkshire	49,296	6.3%	54,398
Stirling	14,026	1.8%	15,478
West Dunbartonshire	14,214	1.8%	15,685
West Lothian	30,174	3.9%	33,297
TOTAL	778,920	100.0%	859,543

Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
26,328	913	1.7	516	75	-44	5.1%	1,384
40,329	1,398	0.0	-466	49	-294	2.4%	637
16,963	588	0.0	-196	67	-58	1.2%	334
11,671	405	12.3	2,532	51	-80	10.6%	2,856
7,667	266	0.0	-89	115	55	0.9%	232
21,122	732	0.0	-244	82	-2	1.8%	486
20,827	722	0.0	-241	121	176	2.4%	657
17,968	623	0.0	-208	102	75	1.8%	490
18,574	644	0.0	-215	34	-199	0.9%	230
16,113	558	0.0	-186	69	-48	1.2%	324
18,890	655	0.0	-218	31	-216	0.8%	220
58,060	2,012	0.0	-671	66	-208	4.2%	1,133
3,831	133	0.0	-44	33	-42	0.2%	47
24,529	850	0.0	-284	87	23	2.2%	590
55,690	1,930	0.0	-644	87	50	4.9%	1,336
77,411	2,683	0.0	-895	130	808	9.6%	2,596
34,946	1,211	3.9	2,113	65	-137	11.8%	3,187
11,036	383	0.0	-128	104	51	1.1%	306
14,528	504	0.0	-168	88	17	1.3%	352
13,496	468	0.0	-156	62	-62	0.9%	249
20,466	709	0.0	-237	137	245	2.7%	718
54,767	1,898	0.0	-633	96	166	5.3%	1,430
3,111	108	22.5	1,269	45	-26	5.0%	1,351
20,169	699	0.0	-233	48	-153	1.2%	313
26,760	928	0.0	-309	87	25	2.4%	643
16,435	570	0.0	-190	64	-66	1.2%	313
3,723	129	24.4	1,654	50	-26	6.5%	1,757
15,800	548	0.0	-183	78	-15	1.3%	350
49,296	1,709	0.0	-570	79	-40	4.1%	1,099
14,026	486	0.0	-162	57	-81	0.9%	243
14,214	493	0.0	-164	130	148	1.8%	476
30,174	1,046	0.0	-349	77	-41	2.4%	656
778,920	26,998	0.6	0	83	0	100.0%	26,998

Notes:
- Pupil Numbers: Scottish Government Pupil Census 2017 and Pre-School Education Census 2016.

Notes:
- Pupil Numbers: Scottish Government Pupil Census 2017 and Pre-School Education Census 2016.
- Hostel Places per 1,000 pupils: hostel places (filled or unfilled) and number of pupils accommodated in private lodgings for the first week in May 2017. Source: SG GAE Returns (GAE-School Hostels). Note pupils in private lodgings are given a weight of 65%.
- Income Support / Jobseekers Allowance Dependants: DWP 2016 data (DWP WPLS 100% data and HMRC Child Benefit administrative data) per 1,000 population aged 0-19 (NRS MYE 2016). See Data Issues (section 2.2).
- Secondary indicator effect calculated as follows:
(Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

School Security
2018-19

Primary Indicator 1	Primary Indicator 2	GAE	
Number of Pupils	Number of Establishments	GAE Total (£000s)	£15,173

Gaelic Education
2018-19

Share of Specific Grant	GAE	
	GAE Total (£000s)	£5,570

Teachers for Ethnic Minorities
2018-19

Primary Indicator	GAE	
Number of Minority Ethnic pupils	GAE Total (£000s)	£8,317

Local Authority	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	25,486	256	113	212	3.1%	467
Aberdeenshire	39,085	392	259	485	5.8%	877
Angus	16,461	165	109	204	2.4%	369
Argyll & Bute	11,061	111	142	266	2.5%	377
Clackmannanshire	7,588	76	38	71	1.0%	147
Dumfries & Galloway	20,276	203	162	303	3.3%	507
Dundee City	20,189	203	72	135	2.2%	337
East Ayrshire	17,744	178	91	170	2.3%	348
East Dunbartonshire	17,821	179	66	124	2.0%	302
East Lothian	15,769	158	73	137	1.9%	295
East Renfrewshire	18,620	187	50	94	1.8%	280
Edinburgh (City of)	54,835	550	220	412	6.3%	962
Eilean Siar	3,751	38	46	86	0.8%	124
Falkirk	24,401	245	115	215	3.0%	460
Fife	54,841	550	269	504	6.9%	1,054
Glasgow City	74,997	753	304	569	8.7%	1,322
Highland	33,857	340	335	627	6.4%	967
Inverclyde	10,912	109	48	90	1.3%	199
Midlothian	14,144	142	67	125	1.8%	267
Moray	12,542	126	75	140	1.8%	266
North Ayrshire	19,957	200	106	199	2.6%	399
North Lanarkshire	53,656	538	250	468	6.6%	1,007
Orkney Islands	3,050	31	42	79	0.7%	109
Perth & Kinross	19,615	197	130	243	2.9%	440
Renfrewshire	25,494	256	96	180	2.9%	436
Scottish Borders	15,871	159	116	217	2.5%	376
Shetland Islands	3,625	36	54	101	0.9%	138
South Ayrshire	15,464	155	87	163	2.1%	318
South Lanarkshire	47,590	478	223	418	5.9%	895
Stirling	13,647	137	80	150	1.9%	287
West Dunbartonshire	13,806	139	62	116	1.7%	255
West Lothian	29,930	300	151	283	3.8%	583
TOTAL	756,085	7,587	4,051	7,587	100.0%	15,173

Notes:-
 - Pupil Numbers and Establishments: Scottish Government Pupil Census 2017 and Pre-School Education Census 2016.
 - Establishments are the number of Local Authority run premises that cover Pre-school, Primary, Secondary and Special sectors
 - Allocation of school security is 50:50 split between the number of local authority establishments and the number of pupils attending these establishments as per the original methodology (Scottish Office Circular No EID 2/97 issued 4 March 1997)

Indicator	GAE (£000s)
2.7%	152
0.3%	15
0.8%	44
8.3%	463
0.2%	11
0.0%	0
0.0%	0
3.3%	183
1.5%	82
0.0%	0
0.4%	20
7.5%	419
22.1%	1,231
0.3%	18
0.0%	0
11.8%	660
21.4%	1,193
1.9%	104
0.0%	0
0.0%	0
1.5%	85
6.0%	336
0.0%	0
2.6%	143
0.5%	28
0.0%	1
0.0%	0
0.3%	15
3.3%	184
2.8%	159
0.4%	23
0.0%	0
100.0%	5,570

Indicator (number)	Share	GAE (£000s)
6,428	7.4%	619
3,258	3.8%	314
1,161	1.3%	112
783	0.9%	75
453	0.5%	44
1,107	1.3%	107
2,769	3.2%	267
715	0.8%	69
1,885	2.2%	181
1,063	1.2%	102
3,671	4.2%	353
13,513	15.6%	1,301
129	0.1%	12
1,828	2.1%	176
4,111	4.8%	396
19,018	22.0%	1,831
2,768	3.2%	266
364	0.4%	35
1,118	1.3%	108
896	1.0%	86
796	0.9%	77
4,150	4.8%	399
159	0.2%	15
2,005	2.3%	193
1,964	2.3%	189
1,097	1.3%	106
237	0.3%	23
704	0.8%	68
3,203	3.7%	308
1,065	1.2%	103
764	0.9%	74
3,225	3.7%	310
86,407	100.0%	8,317

Notes:
 - Pupil Numbers: Scottish Government Pupil Census 2017. The number of pupils from Primary, Secondary and Special sectors not recorded as "White Scottish", "White Other British", "White Irish" or "Not Known/Disclosed".

**Education Deprivation
2018-19**

Primary Schools - Weighted Free Meals Registration	Primary School Allocation	Secondary Schools - Weighted Free Meal Registration	Secondary School Allocation	GAE	
				GAE Total (£000s)	£59,005

**Community Education
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£122,207

Local Authority	Indicator	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	1.2%	354	1.5%	469	1.4%	823
Aberdeenshire	0.2%	69	0.0%	0	0.1%	69
Angus	0.7%	190	0.5%	139	0.6%	329
Argyll & Bute	0.2%	45	0.1%	40	0.1%	85
Clackmannanshire	1.8%	501	0.2%	47	0.9%	548
Dumfries & Galloway	1.5%	424	1.1%	344	1.3%	768
Dundee City	7.9%	2,236	8.6%	2,638	8.3%	4,874
East Ayrshire	2.4%	683	1.7%	511	2.0%	1,193
East Dunbartonshire	0.2%	71	0.0%	0	0.1%	71
East Lothian	0.0%	0	0.0%	0	0.0%	0
East Renfrewshire	0.5%	134	0.0%	0	0.2%	134
Edinburgh (City of)	4.5%	1,294	4.6%	1,396	4.6%	2,689
Eilean Siar	0.0%	0	0.0%	0	0.0%	0
Falkirk	1.0%	285	0.4%	131	0.7%	416
Fife	9.6%	2,740	6.3%	1,934	7.9%	4,674
Glasgow City	36.9%	10,497	54.8%	16,733	46.1%	27,230
Highland	1.5%	427	1.5%	448	1.5%	875
Inverclyde	4.0%	1,134	1.9%	586	2.9%	1,719
Midlothian	0.5%	131	0.0%	0	0.2%	131
Moray	0.0%	4	0.0%	0	0.0%	4
North Ayrshire	4.0%	1,129	4.8%	1,477	4.4%	2,606
North Lanarkshire	2.5%	710	0.9%	266	1.7%	977
Orkney Islands	0.0%	0	0.0%	13	0.0%	13
Perth & Kinross	0.0%	3	0.0%	0	0.0%	3
Renfrewshire	2.9%	837	1.3%	390	2.1%	1,227
Scottish Borders	0.8%	222	0.1%	24	0.4%	246
Shetland Islands	0.0%	4	0.0%	0	0.0%	4
South Ayrshire	1.9%	537	0.3%	97	1.1%	634
South Lanarkshire	5.2%	1,495	1.3%	408	3.2%	1,903
Stirling	0.7%	208	0.0%	0	0.4%	208
West Dunbartonshire	4.6%	1,310	5.8%	1,772	5.2%	3,082
West Lothian	2.8%	809	2.2%	662	2.5%	1,471
TOTAL	100.0%	28,481	100.0%	30,524	100.0%	59,005

Indicator (number)	Share	GAE (£000s)
229,840	4.3%	5,197
262,190	4.9%	5,928
116,520	2.2%	2,635
87,130	1.6%	1,970
51,350	1.0%	1,161
149,520	2.8%	3,381
148,270	2.7%	3,353
122,200	2.3%	2,763
107,540	2.0%	2,432
104,090	1.9%	2,354
93,810	1.7%	2,121
507,170	9.4%	11,468
26,900	0.5%	608
159,380	2.9%	3,604
370,330	6.9%	8,374
615,070	11.4%	13,907
234,770	4.3%	5,308
79,160	1.5%	1,790
88,610	1.6%	2,004
96,070	1.8%	2,172
135,890	2.5%	3,073
339,390	6.3%	7,674
21,850	0.4%	494
150,680	2.8%	3,407
175,930	3.3%	3,978
114,530	2.1%	2,590
23,200	0.4%	525
112,470	2.1%	2,543
317,100	5.9%	7,170
93,750	1.7%	2,120
89,860	1.7%	2,032
180,130	3.3%	4,073
5,404,700	100.0%	122,207

Notes:
- Primary School Free Meal Registration: this is the number of P4-P7 pupils in the top 10% of schools ranked by the percent of pupils registered for free school meals, expressed for each authority as a percentage of all Scottish P4-P7 pupils in the top 10% (averaged over three years). (Source: Scottish Government School Meal Survey 2015, 2016 and 2017).
- Secondary Registered for Free School Meals: the same approach is applied except that pupils in schools ranking in the top 5% attract a weighting of 4, between 5% and 10% attract a weighting of 3 and between 10% and 20% attract a weight of 1. (Source: Scottish Government School Meal Survey 2015, 2016 and 2017).
- Primary and secondary allocation shares of total are kept the same as in previous settlement years

Notes:
- Population Data: NRS Mid-Year Estimates 2016.

Residual Further Education
2018-19

Primary Indicator	GAE	
Population Aged 17 and above	GAE Total (£000s)	£2,317

Residual FE Travel and Bursaries
2018-19

Primary Indicator	GAE	
Actual Expenditure	GAE Total (£000s)	£5,492

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	193,760	4.4%	101
Aberdeenshire	210,306	4.7%	110
Angus	95,774	2.2%	50
Argyll & Bute	73,008	1.6%	38
Clackmannanshire	41,714	0.9%	22
Dumfries & Galloway	124,391	2.8%	65
Dundee City	122,989	2.8%	64
East Ayrshire	99,604	2.2%	52
East Dunbartonshire	87,492	2.0%	46
East Lothian	83,909	1.9%	44
East Renfrewshire	73,931	1.7%	39
Edinburgh (City of)	425,521	9.6%	222
Eilean Siar	22,329	0.5%	12
Falkirk	129,306	2.9%	68
Fife	302,164	6.8%	158
Glasgow City	510,760	11.5%	267
Highland	192,253	4.3%	101
Inverclyde	65,453	1.5%	34
Midlothian	70,700	1.6%	37
Moray	78,423	1.8%	41
North Ayrshire	111,273	2.5%	58
North Lanarkshire	272,208	6.1%	142
Orkney Islands	18,114	0.4%	9
Perth & Kinross	124,368	2.8%	65
Renfrewshire	144,043	3.3%	75
Scottish Borders	94,265	2.1%	49
Shetland Islands	18,675	0.4%	10
South Ayrshire	93,510	2.1%	49
South Lanarkshire	258,638	5.8%	135
Stirling	77,143	1.7%	40
West Dunbartonshire	73,127	1.7%	38
West Lothian	142,769	3.2%	75
TOTAL	4,431,920	100.0%	2,317

Notes:
- Population Data: NRS Mid-Year Estimates 2016.

Indicator (£000s)	Share	GAE (£000s)
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
15.00	2.4%	129
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
0.00	0.0%	0
214.50	33.8%	1,856
0.00	0.0%	0
0.00	0.0%	0
97.50	15.3%	840
117.50	18.8%	1,031
0.00	0.0%	0
0.00	0.0%	0
52.00	8.2%	448
0.00	0.0%	0
138.00	21.6%	1,188
634.50	100.0%	5,492

Notes:
- Average of Actual Gross Expenditure, 2015/16 and 2016/17. Source: SG Statistical Support for Local Government, LFR Returns
- As in previous settlements, Orkney (£8.5k) and Shetland (£19.5k) are allocated an additional amount on top of the calculated share.

**Childcare Strategy
2018-19**

Primary Indicator 1	Primary (Composite) Indicator 2	Primary Indicator 3	Primary Indicator 4	Flat Rate	GAE	
Population Aged 0-14	Raw Index (Community & Residential Care for Children) * Population 0-14	Population Living in Settlements of less than 1,000	Population Aged 0-14		GAE Total (£000s)	£44,556

Project Support Component	Infrastructure Component
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Local Authority	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Effect (£000s)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	32,393	305	28,035	501	3,336	28	494	96	3.2%	1,425
Aberdeenshire	46,064	434	25,505	456	86,466	736	703	96	5.4%	2,424
Angus	18,134	171	15,049	269	26,057	222	277	96	2.3%	1,034
Argyll & Bute	12,380	117	9,274	166	29,967	255	189	96	1.8%	822
Clackmannanshire	8,447	80	10,229	183	1,716	15	129	96	1.1%	502
Dumfries & Galloway	22,113	208	19,838	355	54,214	461	337	96	3.3%	1,458
Dundee City	22,501	212	33,271	595	263	2	343	96	2.8%	1,248
East Ayrshire	19,972	188	22,173	396	9,580	82	305	96	2.4%	1,067
East Dunbartonshire	17,571	165	10,148	181	2,257	19	268	96	1.6%	730
East Lothian	17,864	168	14,095	252	11,015	94	272	96	2.0%	883
East Renfrewshire	17,480	165	9,487	170	2,098	18	267	96	1.6%	715
Edinburgh (City of)	73,288	690	65,833	1,177	2,067	18	1,118	96	7.0%	3,099
Eilean Siar	4,040	38	2,359	42	20,243	172	62	96	0.9%	410
Falkirk	26,699	251	25,763	461	6,448	55	407	96	2.9%	1,270
Fife	60,463	569	60,412	1,080	25,919	221	922	96	6.5%	2,888
Glasgow City	92,811	874	143,094	2,558	821	7	1,416	96	11.1%	4,951
Highland	37,372	352	30,512	546	84,919	723	570	96	5.1%	2,286
Inverclyde	12,021	113	15,476	277	1,505	13	183	96	1.5%	682
Midlothian	15,878	149	15,515	277	5,824	50	242	96	1.8%	815
Moray	15,442	145	11,474	205	20,874	178	236	96	1.9%	860
North Ayrshire	21,620	204	30,411	544	8,122	69	330	96	2.8%	1,242
North Lanarkshire	59,410	559	68,661	1,228	5,697	48	906	96	6.4%	2,838
Orkney Islands	3,306	31	1,995	36	12,546	107	50	96	0.7%	320
Perth & Kinross	22,788	215	15,360	275	36,740	313	348	96	2.8%	1,246
Renfrewshire	28,029	264	30,868	552	3,344	28	427	96	3.1%	1,368
Scottish Borders	17,823	168	13,288	238	36,683	312	272	96	2.4%	1,086
Shetland Islands	3,983	37	2,425	43	15,042	128	61	96	0.8%	366
South Ayrshire	16,607	156	15,909	284	11,809	100	253	96	2.0%	891
South Lanarkshire	51,485	485	50,289	899	22,229	189	785	96	5.5%	2,454
Stirling	14,420	136	11,129	199	14,551	124	220	96	1.7%	775
West Dunbartonshire	14,867	140	21,516	385	1,109	9	227	96	1.9%	857
West Lothian	33,207	313	31,551	564	7,710	66	506	96	3.5%	1,545
TOTAL	860,478	8,101	860,944	15,392	571,171	4,861	13,124	3,078	100.0%	44,556

Notes

- The methodology used is based on SEED distribution ("Distribution of Funding to meet Childcare Objectives 2000-01", 16 November 1999). All data are updated to the latest available, component shares are kept the same.
- Population Data: NRS Mid-Year Estimates 2016.
- Composite primary indicator for Community and Residential Care for Children - This is the combined standardised index comprising of dependants of income support and job seekers allowance claimants (DWP 2016) and the numbers of children in lone parent families (NRS Census 2011). Please see Annex 3 for more details.
- Population Living in Settlements of less than 1,000: NRS Census day 2011 settlements. Settlements within 1km of each other are merged.

Sure Start Scotland
2018-19

Primary Indicator 1	Primary Indicator 2	Primary Indicator 3	GAE	
Population Living in Settlements of less than 1,000	Population Aged 0-3	Composite Primary Indicator: Community & Residential Care for Children	GAE Total (£000s)	£59,912

Rural Component	Population Component	Composite Component
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Local Authority	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	3,336	28	9,781	813	29,588	1,171	3.4%	2,012
Aberdeenshire	86,466	716	11,871	987	27,059	1,071	4.6%	2,774
Angus	26,057	216	4,592	382	16,137	639	2.1%	1,236
Argyll & Bute	29,967	248	3,002	250	9,917	393	1.5%	890
Clackmannanshire	1,716	14	2,234	186	10,928	433	1.1%	633
Dumfries & Galloway	54,214	449	5,358	446	21,185	839	2.9%	1,733
Dundee City	263	2	6,267	521	35,264	1,396	3.2%	1,919
East Ayrshire	9,580	79	5,242	436	23,602	934	2.4%	1,449
East Dunbartonshire	2,257	19	4,356	362	10,863	430	1.4%	811
East Lothian	11,015	91	4,476	372	14,983	593	1.8%	1,057
East Renfrewshire	2,098	17	4,086	340	10,128	401	1.3%	758
Edinburgh (City of)	2,067	17	21,251	1,767	69,495	2,751	7.6%	4,535
Eilean Siar	20,243	168	965	80	2,515	100	0.6%	347
Falkirk	6,448	53	6,767	563	27,365	1,083	2.8%	1,699
Fife	25,919	215	15,685	1,304	64,318	2,546	6.8%	4,065
Glasgow City	821	7	27,886	2,319	151,845	6,010	13.9%	8,336
Highland	84,919	703	9,230	768	32,635	1,292	4.6%	2,763
Inverclyde	1,505	12	3,021	251	16,544	655	1.5%	919
Midlothian	5,824	48	4,483	373	16,498	653	1.8%	1,074
Moray	20,874	173	3,822	318	12,280	486	1.6%	977
North Ayrshire	8,122	67	5,309	442	32,532	1,288	3.0%	1,796
North Lanarkshire	5,697	47	15,073	1,254	73,156	2,896	7.0%	4,196
Orkney Islands	12,546	104	765	64	2,121	84	0.4%	251
Perth & Kinross	36,740	304	5,666	471	16,524	654	2.4%	1,429
Renfrewshire	3,344	28	7,337	610	32,988	1,306	3.2%	1,944
Scottish Borders	36,683	304	4,559	379	14,167	561	2.1%	1,244
Shetland Islands	15,042	125	1,025	85	2,577	102	0.5%	312
South Ayrshire	11,809	98	4,143	345	17,014	673	1.9%	1,116
South Lanarkshire	22,229	184	13,471	1,120	53,601	2,122	5.7%	3,426
Stirling	14,551	120	3,481	289	11,957	473	1.5%	883
West Dunbartonshire	1,109	9	3,901	324	22,815	903	2.1%	1,237
West Lothian	7,710	64	8,392	698	33,546	1,328	3.5%	2,090
TOTAL	571,171	4,730	227,497	18,920	916,145	36,263	100.0%	59,912

Notes

- The methodology used is based on SEED distribution ("Distribution of Funding to meet Childcare Objectives 2000-01", 16 November 1999) for "The Very Young" GAE. All data are updated to the latest available, component shares are kept the same.
- Population Data: NRS Mid-Year Estimates 2016.
- Composite primary indicator for community and residential care for children - This is the population aged 0-15 weighted by a combined standardised index comprising of dependants of income support and job seekers allowance claimants (DWP 2016) and the numbers of children in lone parent families (NRS Census 2011). Please see Annex 3 for more details.
- Population Living in Settlements of less than 1,000: NRS Census day 2011 settlements. Settlements within 1km of each other are merged.

**Adult Literacy and Numeracy
2018-19**

Share as previous Settlement	GAE	
	GAE Total (£000s)	£12,482

**National Priorities Action Fund
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£248,828
Total Education GAE		

**Former Excellence Fund
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£66,600
Total Education GAE		

Local Authority	Share	GAE (£000s)
Aberdeen City	2.9%	362
Aberdeenshire	3.0%	371
Angus	1.7%	206
Argyll & Bute	1.5%	183
Clackmannanshire	1.0%	130
Dumfries & Galloway	2.7%	343
Dundee City	3.5%	443
East Ayrshire	3.5%	442
East Dunbartonshire	1.1%	132
East Lothian	1.1%	135
East Renfrewshire	1.0%	126
Edinburgh (City of)	9.5%	1,181
Eilean Siar	1.0%	129
Falkirk	2.3%	285
Fife	5.5%	688
Glasgow City	20.2%	2,525
Highland	3.2%	396
Inverclyde	2.4%	304
Midlothian	1.3%	160
Moray	1.3%	163
North Ayrshire	3.1%	391
North Lanarkshire	5.5%	685
Orkney Islands	0.8%	96
Perth & Kinross	1.7%	215
Renfrewshire	3.7%	461
Scottish Borders	1.5%	192
Shetland Islands	0.9%	116
South Ayrshire	2.1%	265
South Lanarkshire	4.9%	616
Stirling	1.5%	186
West Dunbartonshire	2.5%	318
West Lothian	1.9%	239
TOTAL	100.0%	12,482

Notes:
- Percentage shares calculated by SEED for 2003-06 have been rolled forward. Please see paragraphs 15-18 of SEELLD Circular No ELLD 1/01 issued to LAs on 17 July 2001 for more information.

Share	GAE (£000s)
3.3%	8,147
5.2%	13,045
2.2%	5,404
1.7%	4,213
1.0%	2,395
2.9%	7,180
2.7%	6,753
2.3%	5,639
2.3%	5,627
2.0%	4,891
2.3%	5,727
7.1%	17,783
0.6%	1,507
3.0%	7,543
7.0%	17,410
10.4%	25,818
4.8%	11,938
1.5%	3,631
1.8%	4,423
1.7%	4,304
2.7%	6,656
6.8%	16,887
0.5%	1,334
2.6%	6,496
3.3%	8,217
2.2%	5,471
0.6%	1,532
2.0%	5,010
6.2%	15,342
1.8%	4,576
1.8%	4,565
3.8%	9,365
100.0%	248,828

Notes:
- Based on GAE allocation for Total Education, excluding National Priorities Action Fund and Former Excellence Fund.

Share	GAE (£000s)
3.3%	2,181
5.2%	3,491
2.2%	1,447
1.7%	1,128
1.0%	641
2.9%	1,922
2.7%	1,807
2.3%	1,509
2.3%	1,506
2.0%	1,309
2.3%	1,533
7.1%	4,760
0.6%	403
3.0%	2,019
7.0%	4,660
10.4%	6,910
4.8%	3,195
1.5%	972
1.8%	1,184
1.7%	1,152
2.7%	1,782
6.8%	4,520
0.5%	357
2.6%	1,739
3.3%	2,199
2.2%	1,464
0.6%	410
2.0%	1,341
6.2%	4,106
1.8%	1,225
1.8%	1,222
3.8%	2,507
100.0%	66,600

Notes:
- Based on GAE allocation for Total Education, excluding National Priorities Action Fund and Former Excellence Fund.

**Pre-School Education
2018-19**

Primary Indicator 1		Primary Indicator 2			GAE	
Provision for 4 Year Olds	Population Aged 3 & 4	Rural Settlement Pattern	Estimated Population Aged 3 & 4 Living in Settlements less than 1,000	Rural Component Allocation	GAE Total (£000s)	£162,695

Core Component	Rural Component
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Local Authority	Indicator (number)	Effect (£000s)	Indicator (number)	Indicator	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	2,177	5,921	4,811	1.5%	Less than 15%	0	3.6%	5,921
Aberdeenshire	2,961	8,054	6,096	34.2%	2,084	1,701	6.0%	9,754
Angus	1,152	3,133	2,402	22.5%	540	440	2.2%	3,574
Argyll & Bute	874	2,377	1,608	34.0%	547	446	1.7%	2,823
Clackmannanshire	638	1,735	1,228	3.3%	Less than 15%	0	1.1%	1,735
Dumfries & Galloway	1,515	4,121	2,824	35.8%	1,012	826	3.0%	4,946
Dundee City	1,650	4,488	3,361	0.2%	Less than 15%	0	2.8%	4,488
East Ayrshire	1,302	3,541	2,808	7.8%	Less than 15%	0	2.2%	3,541
East Dunbartonshire	1,165	3,169	2,246	2.1%	Less than 15%	0	1.9%	3,169
East Lothian	1,204	3,275	2,397	11.0%	Less than 15%	0	2.0%	3,275
East Renfrewshire	1,119	3,044	2,338	2.3%	Less than 15%	0	1.9%	3,044
Edinburgh (City of)	5,160	14,035	10,593	0.4%	Less than 15%	0	8.6%	14,035
Eilean Siar	273	743	519	73.1%	380	310	0.6%	1,052
Falkirk	1,777	4,833	3,633	4.1%	Less than 15%	0	3.0%	4,833
Fife	3,979	10,822	8,163	7.1%	Less than 15%	0	6.7%	10,822
Glasgow City	6,074	16,520	13,882	0.1%	Less than 15%	0	10.2%	16,520
Highland	2,605	7,085	4,835	36.6%	1,769	1,444	5.2%	8,529
Inverclyde	757	2,059	1,579	1.8%	Less than 15%	0	1.3%	2,059
Midlothian	1,208	3,286	2,277	7.0%	Less than 15%	0	2.0%	3,286
Moray	983	2,674	1,967	22.4%	440	359	1.9%	3,033
North Ayrshire	1,384	3,764	2,802	5.9%	Less than 15%	0	2.3%	3,764
North Lanarkshire	3,613	9,827	7,813	1.7%	Less than 15%	0	6.0%	9,827
Orkney Islands	223	607	426	58.8%	250	204	0.5%	811
Perth & Kinross	1,311	3,566	2,984	25.1%	748	610	2.6%	4,176
Renfrewshire	1,996	5,429	3,905	1.9%	Less than 15%	0	3.3%	5,429
Scottish Borders	1,201	3,267	2,442	32.2%	787	642	2.4%	3,909
Shetland Islands	293	797	553	64.9%	359	293	0.7%	1,090
South Ayrshire	1,147	3,120	2,122	10.5%	Less than 15%	0	1.9%	3,120
South Lanarkshire	3,208	8,725	7,047	7.1%	Less than 15%	0	5.4%	8,725
Stirling	953	2,592	1,847	16.1%	298	243	1.7%	2,835
West Dunbartonshire	1,072	2,916	2,084	1.2%	Less than 15%	0	1.8%	2,916
West Lothian	2,079	5,655	4,381	4.4%	Less than 15%	0	3.5%	5,655
TOTAL	57,053	155,177	117,973	10.8%	9,211	7,518	100.0%	162,695

Notes:

- Methodology based on SEED working group on pre-school education recommendations to COSLA, April 2001
- Provision for 4 year olds: Number of Pre-School Registrations from Scottish Government Pre-School Education Census 2016.
- Population Data: NRS Mid-Year Estimates 2016.
- Rural Settlement Pattern: Percentage of LA population living in settlements of less than 1,000 (Source: NRS Census day 2011 settlements). Settlements within 1km of each other are merged.
- Local Authorities with less than 15% of its population living in settlements of less than 1,000 are excluded from the rural component.

**Teacher Pensions
2018-19**

Scottish Government Education Directorate Distribution	GAE	
	GAE Total (£000s)	£113,774

**ALL EDUCATION
2018-19**

GAE	
GAE Total (£000s)	£4,257,085

Local Authority	Share	GAE (£000s)
Aberdeen City	3.3%	3,761
Aberdeenshire	5.3%	6,015
Angus	2.2%	2,484
Argyll & Bute	1.7%	1,951
Clackmannanshire	1.0%	1,171
Dumfries & Galloway	3.0%	3,377
Dundee City	2.8%	3,162
East Ayrshire	2.3%	2,632
East Dunbartonshire	2.5%	2,808
East Lothian	1.9%	2,121
East Renfrewshire	2.4%	2,705
Edinburgh (City of)	6.5%	7,352
Eilean Siar	0.7%	818
Falkirk	3.1%	3,560
Fife	6.8%	7,748
Glasgow City	9.4%	10,739
Highland	4.8%	5,501
Inverclyde	1.5%	1,730
Midlothian	1.7%	1,963
Moray	1.8%	2,011
North Ayrshire	2.9%	3,305
North Lanarkshire	6.8%	7,786
Orkney Islands	0.6%	715
Perth & Kinross	2.7%	3,109
Renfrewshire	3.2%	3,655
Scottish Borders	2.2%	2,534
Shetland Islands	0.8%	885
South Ayrshire	2.1%	2,430
South Lanarkshire	6.3%	7,213
Stirling	1.8%	2,094
West Dunbartonshire	1.9%	2,157
West Lothian	3.8%	4,283
TOTAL	100.0%	113,774

Local Authority	Share	GAE (£000s)
Aberdeen City	3.3%	139,384
Aberdeenshire	5.2%	223,172
Angus	2.2%	92,462
Argyll & Bute	1.7%	72,072
Clackmannanshire	1.0%	40,972
Dumfries & Galloway	2.9%	122,833
Dundee City	2.7%	115,529
East Ayrshire	2.3%	96,467
East Dunbartonshire	2.3%	96,271
East Lothian	2.0%	83,684
East Renfrewshire	2.3%	97,974
Edinburgh (City of)	7.1%	304,236
Eilean Siar	0.6%	25,779
Falkirk	3.0%	129,057
Fife	7.0%	297,864
Glasgow City	10.4%	441,708
Highland	4.8%	204,237
Inverclyde	1.5%	62,114
Midlothian	1.8%	75,671
Moray	1.7%	73,633
North Ayrshire	2.7%	113,880
North Lanarkshire	6.8%	288,919
Orkney Islands	0.5%	22,827
Perth & Kinross	2.6%	111,142
Renfrewshire	3.3%	140,577
Scottish Borders	2.2%	93,602
Shetland Islands	0.6%	26,212
South Ayrshire	2.0%	85,719
South Lanarkshire	6.2%	262,476
Stirling	1.8%	78,295
West Dunbartonshire	1.8%	78,094
West Lothian	3.8%	160,220
TOTAL	100.0%	4,257,085

Notes:
- Allocation based on pension contributions for 2016/17 and Government Actuary Department information. Source: Scottish Public Pensions Agency (SPPA). Please see SPPA Teachers' Superannuation Circular 2003/1 for more information.

**Services for Home-Based Elderly
2018-19**

Composite Primary Indicator	GAE	
	GAE Total (£000s)	£518,244

**Residential Accommodation for the Elderly
2018-19**

Composite Primary Indicator	GAE	
	GAE Total (£000s)	£417,176

**Casework and Related Administration: Elderly
2018-19**

Primary Indicator	GAE	
Other GAEs	GAE Total (£000s)	£32,287

**Community and Residential Care for Children
2018-19**

Composite Primary Indicator	GAE	
	GAE Total (£000s)	£144,400

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	100,871	3.3%	17,313
Aberdeenshire	113,112	3.7%	19,414
Angus	71,071	2.4%	12,198
Argyll & Bute	58,699	1.9%	10,075
Clackmannanshire	27,206	0.9%	4,670
Dumfries & Galloway	106,085	3.5%	18,208
Dumfries City	94,310	3.1%	16,187
East Ayrshire	75,692	2.5%	12,992
East Dunbartonshire	59,265	2.0%	10,172
East Lothian	54,978	1.8%	9,436
East Renfrewshire	50,519	1.7%	8,671
Edinburgh (City of)	230,412	7.6%	39,547
Eilean Siar	21,629	0.7%	3,712
Falkirk	84,485	2.8%	14,501
Fife	201,046	6.7%	34,507
Glasgow City	376,182	12.5%	64,567
Highland	130,993	4.3%	22,483
Inverclyde	55,802	1.8%	9,578
Midlothian	42,004	1.4%	7,209
Moray	52,290	1.7%	8,975
North Ayrshire	90,229	3.0%	15,487
North Lanarkshire	186,997	6.2%	32,096
Orkney Islands	13,038	0.4%	2,238
Perth & Kinross	89,766	3.0%	15,407
Renfrewshire	103,844	3.4%	17,824
Scottish Borders	70,961	2.4%	12,180
Shetland Islands	10,781	0.4%	1,850
South Ayrshire	78,636	2.6%	13,497
South Lanarkshire	185,586	6.1%	31,854
Stirling	46,347	1.5%	7,955
West Dunbartonshire	57,715	1.9%	9,906
West Lothian	78,853	2.6%	13,534
TOTAL	3,019,403	100.0%	518,244

Notes:
- The composite primary indicator for Services for the Home Based Elderly GAE is a population weighted index constructed using standardised mortality ratios, population census long term limiting illness and living alone information as well as Pension Credit claimant data. For more information please see Annex 2. See Specific GAE Assessments (section 2.3).

Indicator (number)	Share	GAE (£000s)
312,251	3.7%	15,445
338,241	4.0%	16,730
228,025	2.7%	11,279
171,113	2.0%	8,464
77,441	0.9%	3,830
308,173	3.7%	15,243
263,301	3.1%	13,023
206,968	2.5%	10,237
167,319	2.0%	8,276
165,308	2.0%	8,176
140,743	1.7%	6,961
668,670	7.9%	33,074
62,447	0.7%	3,089
244,121	2.9%	12,075
617,472	7.3%	30,542
841,627	10.0%	41,629
384,012	4.6%	18,994
155,048	1.8%	7,669
126,051	1.5%	6,235
164,826	2.0%	8,153
246,729	2.9%	12,204
468,971	5.6%	23,196
41,568	0.5%	2,056
275,288	3.3%	13,616
284,394	3.4%	14,067
222,162	2.6%	10,989
35,349	0.4%	1,748
225,171	2.7%	11,137
493,357	5.8%	24,403
131,818	1.6%	6,520
147,602	1.8%	7,301
218,677	2.6%	10,816
8,434,243	100.0%	417,176

Notes:
- The composite primary indicator for Residential Accommodation for the Elderly GAE is a population weighted index constructed using standardised mortality ratios, population census long term limiting illness and living alone information as well as council tax data. For more information please see Annex 2.

Indicator (£000s)	Share	GAE (£000s)
32,758	3.5%	1,131
36,144	3.9%	1,248
23,477	2.5%	810
18,539	2.0%	640
8,500	0.9%	293
33,451	3.6%	1,155
29,211	3.1%	1,008
23,229	2.5%	802
18,448	2.0%	637
17,613	1.9%	608
15,632	1.7%	540
72,621	7.8%	2,507
6,801	0.7%	235
26,576	2.8%	917
65,049	7.0%	2,245
106,196	11.4%	3,665
41,477	4.4%	1,432
17,247	1.8%	595
13,444	1.4%	464
17,128	1.8%	591
27,690	3.0%	956
55,292	5.9%	1,908
4,294	0.5%	148
29,024	3.1%	1,002
31,890	3.4%	1,101
23,168	2.5%	800
3,599	0.4%	124
24,634	2.6%	850
56,256	6.0%	1,942
14,475	1.5%	500
17,207	1.8%	594
24,350	2.6%	840
935,420	100.0%	32,287

Notes:
- Based on the GAE for Services for the Home Based Elderly and Residential Accommodation for the Elderly

Indicator (number)	Share	GAE (£000s)
29,588	3.2%	4,663
27,059	3.0%	4,265
16,137	1.8%	2,543
9,917	1.1%	1,563
10,928	1.2%	1,722
21,185	2.3%	3,339
35,264	3.8%	5,558
23,602	2.6%	3,720
10,863	1.2%	1,712
14,983	1.6%	2,362
10,128	1.1%	1,596
69,495	7.6%	10,954
2,515	0.3%	396
27,365	3.0%	4,313
64,318	7.0%	10,138
151,845	16.6%	23,933
32,635	3.6%	5,144
16,544	1.8%	2,608
16,498	1.8%	2,600
12,280	1.3%	1,935
32,532	3.6%	5,128
73,156	8.0%	11,531
2,121	0.2%	334
16,524	1.8%	2,604
32,988	3.6%	5,199
14,167	1.5%	2,233
2,577	0.3%	406
17,014	1.9%	2,682
53,601	5.9%	8,448
11,957	1.3%	1,885
22,815	2.5%	3,596
33,546	3.7%	5,287
916,145	100.0%	144,400

Notes:
- The composite primary indicator for Community and Residential Care for Children GAE is the population aged 0-15 weighted by a combined standardised index comprising of dependants of income support and job seekers allowance claimants (DWP 2016 data) and the number of children in lone parent families (NRS Census 2011). Please see Annex 3 for more details.

Day Care for Children
2018-19

Primary Indicator	GAE	
Population Aged Under 5	GAE Total (£000s)	£38,566

Casework and Related Administration: Children
2018-19

Primary Indicator	GAE	
Other GAEs	GAE Total (£000s)	£73,893

Services for AIDS / HIV Cases
2018-19

Primary Indicator	GAE	
Number of HIV Cases	GAE Total (£000s)	£1,534

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	12,206	4.2%	1,639
Aberdeenshire	14,966	5.2%	2,009
Angus	5,792	2.0%	778
Argyll & Bute	3,848	1.3%	517
Clackmannanshire	2,855	1.0%	383
Dumfries & Galloway	6,780	2.4%	910
Dundee City	7,991	2.8%	1,073
East Ayrshire	6,704	2.3%	900
East Dunbartonshire	5,463	1.9%	733
East Lothian	5,737	2.0%	770
East Renfrewshire	5,284	1.8%	709
Edinburgh (City of)	26,510	9.2%	3,559
Eilean Siar	1,231	0.4%	165
Falkirk	8,663	3.0%	1,163
Fife	19,806	6.9%	2,659
Glasgow City	34,877	12.1%	4,683
Highland	11,702	4.1%	1,571
Inverclyde	3,810	1.3%	512
Midlothian	5,657	2.0%	760
Moray	4,781	1.7%	642
North Ayrshire	6,785	2.4%	911
North Lanarkshire	19,031	6.6%	2,555
Orkney Islands	984	0.3%	132
Perth & Kinross	7,181	2.5%	964
Renfrewshire	9,294	3.2%	1,248
Scottish Borders	5,770	2.0%	775
Shetland Islands	1,290	0.4%	173
South Ayrshire	5,214	1.8%	700
South Lanarkshire	17,040	5.9%	2,288
Stirling	4,438	1.5%	596
West Dunbartonshire	4,949	1.7%	664
West Lothian	10,599	3.7%	1,423
TOTAL	287,238	100.0%	38,566

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Indicator (£000s)	Share	GAE (£000s)
6,302	3.4%	2,545
6,274	3.4%	2,534
3,321	1.8%	1,341
2,080	1.1%	840
2,106	1.2%	850
4,249	2.3%	1,716
6,631	3.6%	2,678
4,620	2.5%	1,866
2,446	1.3%	988
3,132	1.7%	1,265
2,306	1.3%	931
14,513	7.9%	5,861
562	0.3%	227
5,476	3.0%	2,212
12,797	7.0%	5,168
28,616	15.6%	11,557
6,715	3.7%	2,712
3,119	1.7%	1,260
3,360	1.8%	1,357
2,577	1.4%	1,041
6,039	3.3%	2,439
14,086	7.7%	5,689
466	0.3%	188
3,569	2.0%	1,441
6,447	3.5%	2,604
3,008	1.6%	1,215
579	0.3%	234
3,382	1.8%	1,366
10,736	5.9%	4,336
2,481	1.4%	1,002
4,260	2.3%	1,721
6,711	3.7%	2,710
182,966	100.0%	73,893

Notes:
- Based on the GAE for Community and Residential Care for Children and Day Care for Children

Indicator (number)	Share	GAE (£000s)
267.6	5.0%	77
94.4	1.8%	27
52.0	1.0%	15
32.4	0.6%	9
29.0	0.5%	8
80.6	1.5%	23
226.4	4.3%	65
55.3	1.0%	16
38.5	0.7%	11
75.6	1.4%	22
63.5	1.2%	18
1339.2	25.2%	386
6.5	0.1%	2
99.7	1.9%	29
246.6	4.6%	71
1368.5	25.7%	394
110.2	2.1%	32
34.3	0.6%	10
55.9	1.0%	16
43.3	0.8%	12
67.8	1.3%	20
195.4	3.7%	56
2.2	0.0%	1
92.1	1.7%	27
138.4	2.6%	40
52.1	1.0%	15
8.7	0.2%	2
33.4	0.6%	10
185.1	3.5%	53
40.4	0.8%	12
69.7	1.3%	20
119.5	2.2%	34
5,324.0	100.0%	1,534

Notes:
- HIV Cases: Health Protection Scotland, 2016. See Specific GAE Assessments (section 2.3).

**Casework and Related Administration: HIV/AIDS
2018-19**

Primary Indicator	GAE	
	Other GAE	GAE Total (£000s)

**Services for People with Disabilities
2018-19**

Primary Indicator	GAE	
	Population Aged 16-64	GAE Total (£000s)

**Casework and Related Administration: People with Disabilities
2018-19**

Primary Indicator	GAE	
	Other GAE	GAE Total (£000s)

Local Authority	Indicator (£000s)	Share	GAE (£000s)
Aberdeen City	77	5.0%	10
Aberdeenshire	27	1.8%	3
Angus	15	1.0%	2
Argyll & Bute	9	0.6%	1
Clackmannanshire	8	0.5%	1
Dumfries & Galloway	23	1.5%	3
Dundee City	65	4.3%	8
East Ayrshire	16	1.0%	2
East Dunbartonshire	11	0.7%	1
East Lothian	22	1.4%	3
East Renfrewshire	18	1.2%	2
Edinburgh (City of)	386	25.2%	49
Eilean Siar	2	0.1%	0
Falkirk	29	1.9%	4
Fife	71	4.6%	9
Glasgow City	394	25.7%	50
Highland	32	2.1%	4
Inverclyde	10	0.6%	1
Midlothian	16	1.0%	2
Moray	12	0.8%	2
North Ayrshire	20	1.3%	2
North Lanarkshire	56	3.7%	7
Orkney Islands	1	0.0%	0
Perth & Kinross	27	1.7%	3
Renfrewshire	40	2.6%	5
Scottish Borders	15	1.0%	2
Shetland Islands	2	0.2%	0
South Ayrshire	10	0.6%	1
South Lanarkshire	53	3.5%	7
Stirling	12	0.8%	1
West Dunbartonshire	20	1.3%	3
West Lothian	34	2.2%	4
TOTAL	1,534	100.0%	195

Notes:
- Based on the GAE for Services for AIDS / HIV Cases

Indicator (number)	Share	GAE (£000s)
160,821	4.6%	17,173
165,548	4.7%	17,678
70,588	2.0%	7,538
52,336	1.5%	5,589
32,443	0.9%	3,464
88,999	2.6%	9,504
98,454	2.8%	10,513
77,024	2.2%	8,225
65,325	1.9%	6,976
64,703	1.9%	6,909
56,795	1.6%	6,065
353,873	10.1%	37,788
15,954	0.5%	1,704
101,864	2.9%	10,877
232,300	6.7%	24,806
432,793	12.4%	46,215
144,722	4.1%	15,454
50,140	1.4%	5,354
55,334	1.6%	5,909
59,789	1.7%	6,384
83,535	2.4%	8,920
219,594	6.3%	23,449
13,367	0.4%	1,427
92,250	2.6%	9,851
113,311	3.2%	12,100
68,285	2.0%	7,292
14,564	0.4%	1,555
67,453	1.9%	7,203
202,849	5.8%	21,661
60,832	1.7%	6,496
57,905	1.7%	6,183
116,181	3.3%	12,406
3,489,931	100.0%	372,668

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Indicator (£000s)	Share	GAE (£000s)
17,173	4.6%	802
17,678	4.7%	826
7,538	2.0%	352
5,589	1.5%	261
3,464	0.9%	162
9,504	2.6%	444
10,513	2.8%	491
8,225	2.2%	384
6,976	1.9%	326
6,909	1.9%	323
6,065	1.6%	283
37,788	10.1%	1,766
1,704	0.5%	80
10,877	2.9%	508
24,806	6.7%	1,159
46,215	12.4%	2,159
15,454	4.1%	722
5,354	1.4%	250
5,909	1.6%	276
6,384	1.7%	298
8,920	2.4%	417
23,449	6.3%	1,096
1,427	0.4%	67
9,851	2.6%	460
12,100	3.2%	565
7,292	2.0%	341
1,555	0.4%	73
7,203	1.9%	337
21,661	5.8%	1,012
6,496	1.7%	304
6,183	1.7%	289
12,406	3.3%	580
372,668	100.0%	17,413

Notes:
- Based on the GAE for Services for People with Disabilities

**Independent Living Fund
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£12,367
Population Aged 16-64		

**Remaining Social Work
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£78,260
Total Population		

**Casework and Related Administration: Other Client Groups
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£23,001
Other GAE		

**Community Care: Mental Health
2018-19**

Primary Indicator	GAE	
	GAE Total (£000s)	£20,078
Population Aged 16-64		

Local Authority	Indicator (number)	Share	GAE (£000s)	Indicator (number)	Share	GAE (£000s)	Indicator (£000s)	Share	GAE (£000s)	Indicator (number)	Share	GAE (£000s)
Aberdeen City	160,821	4.6%	570	229,840	4.3%	3,328	3,328	4.3%	978	160,821	4.6%	925
Aberdeenshire	165,548	4.7%	587	262,190	4.9%	3,797	3,797	4.9%	1,116	165,548	4.7%	952
Angus	70,588	2.0%	250	116,520	2.2%	1,687	1,687	2.2%	496	70,588	2.0%	406
Argyll & Bute	52,336	1.5%	185	87,130	1.6%	1,262	1,262	1.6%	371	52,336	1.5%	301
Clackmannanshire	32,443	0.9%	115	51,350	1.0%	744	744	1.0%	219	32,443	0.9%	187
Dumfries & Galloway	88,999	2.6%	315	149,520	2.8%	2,165	2,165	2.8%	636	88,999	2.6%	512
Dundee City	98,454	2.8%	349	148,270	2.7%	2,147	2,147	2.7%	631	98,454	2.8%	566
East Ayrshire	77,024	2.2%	273	122,200	2.3%	1,769	1,769	2.3%	520	77,024	2.2%	443
East Dunbartonshire	65,325	1.9%	231	107,540	2.0%	1,557	1,557	2.0%	458	65,325	1.9%	376
East Lothian	64,703	1.9%	229	104,090	1.9%	1,507	1,507	1.9%	443	64,703	1.9%	372
East Renfrewshire	56,795	1.6%	201	93,810	1.7%	1,358	1,358	1.7%	399	56,795	1.6%	327
Edinburgh (City of)	353,873	10.1%	1,254	507,170	9.4%	7,344	7,344	9.4%	2,158	353,873	10.1%	2,036
Eilean Siar	15,954	0.5%	57	26,900	0.5%	390	390	0.5%	114	15,954	0.5%	92
Falkirk	101,864	2.9%	361	159,380	2.9%	2,308	2,308	2.9%	678	101,864	2.9%	586
Fife	232,300	6.7%	823	370,330	6.9%	5,362	5,362	6.9%	1,576	232,300	6.7%	1,336
Glasgow City	432,793	12.4%	1,534	615,070	11.4%	8,906	8,906	11.4%	2,618	432,793	12.4%	2,490
Highland	144,722	4.1%	513	234,770	4.3%	3,399	3,399	4.3%	999	144,722	4.1%	833
Inverclyde	50,140	1.4%	178	79,160	1.5%	1,146	1,146	1.5%	337	50,140	1.4%	288
Midlothian	55,334	1.6%	196	88,610	1.6%	1,283	1,283	1.6%	377	55,334	1.6%	318
Moray	59,789	1.7%	212	96,070	1.8%	1,391	1,391	1.8%	409	59,789	1.7%	344
North Ayrshire	83,535	2.4%	296	135,890	2.5%	1,968	1,968	2.5%	578	83,535	2.4%	481
North Lanarkshire	219,594	6.3%	778	339,390	6.3%	4,914	4,914	6.3%	1,444	219,594	6.3%	1,263
Orkney Islands	13,367	0.4%	47	21,850	0.4%	316	316	0.4%	93	13,367	0.4%	77
Perth & Kinross	92,250	2.6%	327	150,680	2.8%	2,182	2,182	2.8%	641	92,250	2.6%	531
Renfrewshire	113,311	3.2%	402	175,930	3.3%	2,547	2,547	3.3%	749	113,311	3.2%	652
Scottish Borders	68,285	2.0%	242	114,530	2.1%	1,658	1,658	2.1%	487	68,285	2.0%	393
Shetland Islands	14,564	0.4%	52	23,200	0.4%	336	336	0.4%	99	14,564	0.4%	84
South Ayrshire	67,453	1.9%	239	112,470	2.1%	1,629	1,629	2.1%	479	67,453	1.9%	388
South Lanarkshire	202,849	5.8%	719	317,100	5.9%	4,592	4,592	5.9%	1,349	202,849	5.8%	1,167
Stirling	60,832	1.7%	216	93,750	1.7%	1,357	1,357	1.7%	399	60,832	1.7%	350
West Dunbartonshire	57,905	1.7%	205	89,860	1.7%	1,301	1,301	1.7%	382	57,905	1.7%	333
West Lothian	116,181	3.3%	412	180,130	3.3%	2,608	2,608	3.3%	767	116,181	3.3%	668
TOTAL	3,489,931	100.0%	12,367	5,404,700	100.0%	78,260	78,260	100.0%	23,001	3,489,931	100.0%	20,078

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

Notes:
- Based on the GAE for Remaining Social Work Services

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

General Administration
2018-19

Primary Indicator	GAE	
Other GAEs	GAE Total (£000s)	£51,899

Community Care Action Plan
2018-19

Primary Indicator	GAE	
Other GAEs	GAE Total (£000s)	£11,078

Children's Services Development Fund (incl Youth Crime)
2018-19

Composite Primary Indicator	Children's Services Component	Youth Crime Component	GAE	
			GAE Total (£000s)	£68,309

Local Authority	Indicator (£000s)	Share	GAE (£000s)
Aberdeen City	66,600	3.8%	1,975
Aberdeenshire	71,186	4.1%	2,111
Angus	39,696	2.3%	1,177
Argyll & Bute	30,077	1.7%	892
Clackmannanshire	16,649	1.0%	494
Dumfries & Galloway	54,174	3.1%	1,607
Dundee City	54,299	3.1%	1,610
East Ayrshire	42,149	2.4%	1,250
East Dunbartonshire	32,455	1.9%	962
East Lothian	32,426	1.9%	962
East Renfrewshire	28,063	1.6%	832
Edinburgh (City of)	148,282	8.5%	4,397
Eilean Siar	10,262	0.6%	304
Falkirk	50,532	2.9%	1,499
Fife	120,402	6.9%	3,571
Glasgow City	214,401	12.3%	6,358
Highland	74,292	4.2%	2,203
Inverclyde	29,786	1.7%	883
Midlothian	27,003	1.5%	801
Moray	30,390	1.7%	901
North Ayrshire	49,805	2.8%	1,477
North Lanarkshire	109,984	6.3%	3,262
Orkney Islands	7,125	0.4%	211
Perth & Kinross	49,057	2.8%	1,455
Renfrewshire	59,102	3.4%	1,753
Scottish Borders	38,620	2.2%	1,145
Shetland Islands	6,737	0.4%	200
South Ayrshire	40,517	2.3%	1,202
South Lanarkshire	103,830	5.9%	3,079
Stirling	27,591	1.6%	818
West Dunbartonshire	32,499	1.9%	964
West Lothian	52,091	3.0%	1,545
TOTAL	1,750,082	100.0%	51,899

Notes:
- Based on these GAEs: Services for Home-Based Elderly, Residential Accommodation for the Elderly, Casework and Related Administration: Elderly, Community and Residential Care for Children, Day Care for Children, Casework and Related Administration: Children, Services for AIDS / HIV cases, Casework and Related Administration: HIV/AIDS, Services for People with Disabilities, Casework and Related Administration: People with Disabilities, Independent Living Fund, Remaining Social Work, Casework and Related Administration: Other Client Groups, Community Care: Mental Health

Indicator (£000s)	Share	GAE (£000s)
49,931	3.8%	423
53,822	4.1%	456
31,015	2.4%	263
24,127	1.8%	204
11,964	0.9%	101
42,955	3.3%	364
39,724	3.0%	336
31,454	2.4%	266
25,424	1.9%	215
24,522	1.9%	208
21,697	1.7%	184
110,409	8.4%	935
8,505	0.7%	72
37,453	2.9%	317
89,854	6.9%	761
152,411	11.7%	1,291
56,931	4.4%	482
22,601	1.7%	191
19,353	1.5%	164
23,512	1.8%	199
36,611	2.8%	310
78,741	6.0%	667
5,721	0.4%	48
38,874	3.0%	329
43,990	3.4%	373
30,460	2.3%	258
5,154	0.4%	44
31,837	2.4%	270
77,917	6.0%	660
20,971	1.6%	178
23,390	1.8%	198
36,757	2.8%	311
1,308,088	100.0%	11,078

Notes:
- Based on the GAE for Services for Home-Based Elderly, Residential Accommodation for the Elderly and Services for People with Disabilities.

Indicator (number)	Effect (£000s)	Flat Rate	Effect (£000s)	Flat Rate	Share	GAE (£000s)
29,588	1,630	89	482		3.2%	2,201
27,059	1,491	89	441		3.0%	2,021
16,137	889	89	263		1.8%	1,241
9,917	546	89	162		1.2%	797
10,928	602	89	178		1.3%	869
21,185	1,167	89	345		2.3%	1,601
35,264	1,943	89	575		3.8%	2,606
23,602	1,300	89	385		2.6%	1,774
10,863	598	89	177		1.3%	864
14,983	825	89	244		1.7%	1,158
10,128	558	89	165		1.2%	812
69,495	3,828	89	1,133		7.4%	5,050
2,515	139	89		60	0.4%	287
27,365	1,507	89	446		3.0%	2,042
64,318	3,543	89	1,049		6.9%	4,680
151,845	8,364	89	2,476		16.0%	10,929
32,635	1,798	89	532		3.5%	2,419
16,544	911	89	270		1.9%	1,270
16,498	909	89	269		1.9%	1,267
12,280	676	89	200		1.4%	965
32,532	1,792	89	530		3.5%	2,411
73,156	4,030	89	1,193		7.8%	5,311
2,121	117	89		60	0.4%	266
16,524	910	89	269		1.9%	1,268
32,988	1,817	89	538		3.6%	2,444
14,167	780	89	231		1.6%	1,100
2,577	142	89		60	0.4%	291
17,014	937	89	277		1.9%	1,303
53,601	2,953	89	874		5.7%	3,915
11,957	659	89	195		1.4%	942
22,815	1,257	89	372		2.5%	1,718
33,546	1,848	89	547		3.6%	2,484
916,145	50,466	2,843	14,820	180	100.0%	68,309

Notes:
- The methodology used is based on SEED distribution as detailed to Chief Executives in 2001/02. The composite indicator used (Community and Residential Care for Children) is based on latest available data, please see Annex 3 for more details. Youth Crime share of £15m is based on information from SG Children, Young People and Social Care Group. Proportion of Children's Services and Youth Crime shares allocated as a flat rate are taken from previous settlement proportions.

Supporting Young People Leaving Care
2018-19

Primary Indicator	GAE	
Composite Primary Indicator	GAE Total (£000s)	£5,000

Carers Service & Respite Care
2018-19

Primary Indicator	GAE	
Other GAEs	GAE Total (£000s)	£24,125

Care Home Fees
2018-19

Primary Indicator	GAE	
Composite Primary Indicator	GAE Total (£000s)	£120,098

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	29,588	3.2%	161
Aberdeenshire	27,059	3.0%	148
Angus	16,137	1.8%	88
Argyll & Bute	9,917	1.1%	54
Clackmannanshire	10,928	1.2%	60
Dumfries & Galloway	21,185	2.3%	116
Dundee City	35,264	3.8%	192
East Ayrshire	23,602	2.6%	129
East Dunbartonshire	10,863	1.2%	59
East Lothian	14,983	1.6%	82
East Renfrewshire	10,128	1.1%	55
Edinburgh (City of)	69,495	7.6%	379
Eilean Siar	2,515	0.3%	14
Falkirk	27,365	3.0%	149
Fife	64,318	7.0%	351
Glasgow City	151,845	16.6%	829
Highland	32,635	3.6%	178
Inverclyde	16,544	1.8%	90
Midlothian	16,498	1.8%	90
Moray	12,280	1.3%	67
North Ayrshire	32,532	3.6%	178
North Lanarkshire	73,156	8.0%	399
Orkney Islands	2,121	0.2%	12
Perth & Kinross	16,524	1.8%	90
Renfrewshire	32,988	3.6%	180
Scottish Borders	14,167	1.5%	77
Shetland Islands	2,577	0.3%	14
South Ayrshire	17,014	1.9%	93
South Lanarkshire	53,601	5.9%	293
Stirling	11,957	1.3%	65
West Dunbartonshire	22,815	2.5%	125
West Lothian	33,546	3.7%	183
TOTAL	916,145	100.0%	5,000

Notes:
 - The methodology used is based on SEED distribution as detailed in a letter to Chief Executives sent 12th November 2003.
 - The composite indicator used (Community and Residential Care for children) is based on the latest available data, see Annex 3 for more details.

Indicator (£000s)	Share	GAE (£000s)
49,931	3.8%	921
53,822	4.1%	993
31,015	2.4%	572
24,127	1.8%	445
11,964	0.9%	221
42,955	3.3%	792
39,724	3.0%	733
31,454	2.4%	580
25,424	1.9%	469
24,522	1.9%	452
21,697	1.7%	400
110,409	8.4%	2,036
8,505	0.7%	157
37,453	2.9%	691
89,854	6.9%	1,657
152,411	11.7%	2,811
56,931	4.4%	1,050
22,601	1.7%	417
19,353	1.5%	357
23,512	1.8%	434
36,611	2.8%	675
78,741	6.0%	1,452
5,721	0.4%	106
38,874	3.0%	717
43,990	3.4%	811
30,460	2.3%	562
5,154	0.4%	95
31,837	2.4%	587
77,917	6.0%	1,437
20,971	1.6%	387
23,390	1.8%	431
36,757	2.8%	678
1,308,088	100.0%	24,125

Notes:
 - Based on the GAE for Services for Home-Based Elderly, Residential Accommodation for the Elderly and Services for People with Disabilities.

Indicator (number)	Share	GAE (£000s)
312,251	3.7%	4,446
338,241	4.0%	4,816
228,025	2.7%	3,247
171,113	2.0%	2,437
77,441	0.9%	1,103
308,173	3.7%	4,388
263,301	3.1%	3,749
206,968	2.5%	2,947
167,319	2.0%	2,383
165,308	2.0%	2,354
140,743	1.7%	2,004
668,670	7.9%	9,521
62,447	0.7%	889
244,121	2.9%	3,476
617,472	7.3%	8,792
841,627	10.0%	11,984
384,012	4.6%	5,468
155,048	1.8%	2,208
126,051	1.5%	1,795
164,826	2.0%	2,347
246,729	2.9%	3,513
468,971	5.6%	6,678
41,568	0.5%	592
275,288	3.3%	3,920
284,394	3.4%	4,050
222,162	2.6%	3,163
35,349	0.4%	503
225,171	2.7%	3,206
493,357	5.8%	7,025
131,818	1.6%	1,877
147,602	1.8%	2,102
218,677	2.6%	3,114
8,434,243	100.0%	120,098

Notes:
 - Uses the same methodology as Residential Accommodation for the Elderly GAE. The composite primary indicator is a population weighted index constructed using standardised mortality ratios, population census long term limiting illness and living alone information as well as council tax data. For more information please see Annex 2.

Personal & Nursing Care for Older People
2018-19

Scottish Government Health Directorate Distribution	GAE	
	GAE Total (£000s)	£89,371

ALL SOCIAL WORK
2018-19

GAE	
GAE Total (£000s)	£2,119,962

Local Authority	Indicator	GAE (£000s)
Aberdeen City	4.0%	3,590
Aberdeenshire	6.0%	5,388
Angus	3.2%	2,870
Argyll & Bute	2.6%	2,293
Clackmannanshire	0.4%	319
Dumfries & Galloway	3.9%	3,513
Dundee City	1.6%	1,394
East Ayrshire	1.4%	1,208
East Dunbartonshire	3.5%	3,121
East Lothian	2.0%	1,757
East Renfrewshire	3.5%	3,110
Edinburgh (City of)	16.3%	14,574
Eilean Siar	0.2%	142
Falkirk	1.6%	1,428
Fife	6.9%	6,132
Glasgow City	4.6%	4,088
Highland	4.2%	3,766
Inverclyde	1.5%	1,344
Midlothian	1.3%	1,198
Moray	1.8%	1,647
North Ayrshire	2.5%	2,191
North Lanarkshire	1.3%	1,119
Orkney Islands	0.2%	168
Perth & Kinross	6.5%	5,807
Renfrewshire	2.1%	1,872
Scottish Borders	3.5%	3,134
Shetland Islands	0.1%	107
South Ayrshire	4.0%	3,610
South Lanarkshire	4.9%	4,344
Stirling	2.6%	2,367
West Dunbartonshire	1.0%	879
West Lothian	1.0%	892
TOTAL	100.0%	89,371

Local Authority	Share	GAE (£000s)
Aberdeen City	3.8%	80,317
Aberdeenshire	4.1%	87,118
Angus	2.3%	49,154
Argyll & Bute	1.8%	37,199
Clackmannanshire	0.9%	19,815
Dumfries & Galloway	3.1%	66,554
Dundee City	3.1%	64,921
East Ayrshire	2.4%	50,303
East Dunbartonshire	1.9%	40,528
East Lothian	1.9%	39,398
East Renfrewshire	1.7%	35,461
Edinburgh (City of)	8.7%	185,176
Eilean Siar	0.6%	12,127
Falkirk	2.8%	60,134
Fife	6.9%	146,346
Glasgow City	11.9%	252,691
Highland	4.2%	89,858
Inverclyde	1.7%	36,189
Midlothian	1.5%	32,674
Moray	1.7%	36,951
North Ayrshire	2.9%	60,561
North Lanarkshire	6.1%	128,871
Orkney Islands	0.4%	8,528
Perth & Kinross	3.0%	62,644
Renfrewshire	3.3%	70,584
Scottish Borders	2.3%	48,061
Shetland Islands	0.4%	7,991
South Ayrshire	2.4%	50,788
South Lanarkshire	5.9%	124,583
Stirling	1.6%	34,225
West Dunbartonshire	1.8%	38,914
West Lothian	2.9%	61,297
TOTAL	100.0%	2,119,962

Notes:
- Source: Scottish Government Directorate for Population Health

Road Maintenance
2018-19

Primary Indicator	Secondary Indicator	GAE	
Weighted Lane Length (incl Peat)	No. of "Body Type - Car" Licences per Km of Unweighted Lane Length	GAE Total (£000s)	£195,269

Coefficient	0.0999
Wt Mean	21.9

Winter Maintenance
2018-19

Primary Indicator	Secondary Indicator	GAE	
Weighted Lane Length (excl Peat)	No. of "Body Type - Car" Licences per Km of Unweighted Lane Length (excl parking)	GAE Total (£000s)	£64,930

Coefficient	0.0157
Wt Mean	22.9

Local Authority	Indicator (km)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	1,032	3,044	49.6	2,856	3.0%	5,899
Aberdeenshire	6,920	20,404	13.2	-6,035	7.4%	14,369
Angus	2,037	6,007	16.2	-1,160	2.5%	4,847
Argyll & Bute	3,258	9,606	9.3	-4,086	2.8%	5,520
Clackmannanshire	349	1,028	44.5	788	0.9%	1,816
Dumfries & Galloway	5,225	15,406	9.1	-6,669	4.5%	8,736
Dundee City	618	1,823	48.1	1,620	1.8%	3,444
East Ayrshire	1,337	3,943	24.3	314	2.2%	4,257
East Dunbartonshire	580	1,711	54.0	1,862	1.8%	3,573
East Lothian	1,033	3,045	27.0	527	1.8%	3,572
East Renfrewshire	545	1,608	48.3	1,438	1.6%	3,046
Edinburgh (City of)	1,669	4,920	59.3	6,225	5.7%	11,146
Eilean Siar	2,154	6,350	5.5	-3,528	1.4%	2,822
Falkirk	1,094	3,225	40.2	2,002	2.7%	5,227
Fife	2,785	8,211	36.6	4,090	6.3%	12,301
Glasgow City	2,576	7,596	42.4	5,280	6.6%	12,876
Highland	9,400	27,716	8.6	-12,475	7.8%	15,241
Inverclyde	393	1,159	46.2	955	1.1%	2,114
Midlothian	811	2,390	31.0	734	1.6%	3,124
Moray	1,789	5,275	15.1	-1,211	2.1%	4,065
North Ayrshire	1,149	3,388	29.5	874	2.2%	4,261
North Lanarkshire	1,819	5,363	45.9	4,360	5.0%	9,723
Orkney Islands	1,369	4,037	5.6	-2,223	0.9%	1,814
Perth & Kinross	2,945	8,682	15.3	-1,934	3.5%	6,748
Renfrewshire	977	2,880	68.6	4,550	3.8%	7,430
Scottish Borders	3,623	10,683	10.1	-4,285	3.3%	6,397
Shetland Islands	1,497	4,415	5.6	-2,433	1.0%	1,982
South Ayrshire	1,336	3,939	23.6	226	2.1%	4,165
South Lanarkshire	2,651	7,818	32.5	2,799	5.4%	10,617
Stirling	1,545	4,556	27.8	908	2.8%	5,464
West Dunbartonshire	447	1,317	48.8	1,202	1.3%	2,519
West Lothian	1,263	3,725	41.2	2,428	3.2%	6,153
TOTAL	66,227	195,269	23.0	0	100.0%	195,269

Notes:
 - Road Length and Parking Data: Annual Return to Transport Scotland 2017.
 - Kms of LA road length (April 2017) converted to lane length, and weighted (Principal Road x 1.0, Non Principal Road x 0.5). A further weighting of 0.442 is applied to lane length available for parking.
 - Number of "Body Type - Car" Licences 2017: Department for Transport.
 - Secondary indicator effect calculated as follows:
 (Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

Indicator (km)	Effect (£000s)	Indicator (number)	Effect (£000s)	Share	GAE (£000s)
1,009	1,082	50.6	440	2.3%	1,522
6,210	6,657	13.2	-947	8.8%	5,710
2,039	2,186	16.2	-214	3.0%	1,972
2,791	2,992	9.3	-594	3.7%	2,398
339	363	44.5	116	0.7%	479
4,662	4,997	9.1	-1,008	6.1%	3,989
615	659	48.2	246	1.4%	905
1,297	1,391	24.2	27	2.2%	1,418
575	616	54.2	284	1.4%	900
1,034	1,109	27.0	68	1.8%	1,176
521	558	49.1	215	1.2%	773
1,601	1,716	60.8	956	4.1%	2,672
1,531	1,641	5.5	-418	1.9%	1,223
1,096	1,174	40.2	299	2.3%	1,474
2,767	2,966	36.6	599	5.5%	3,565
2,077	2,226	51.7	945	4.9%	3,171
8,140	8,726	8.6	-1,825	10.6%	6,900
393	421	46.2	145	0.9%	566
779	835	31.0	100	1.4%	935
1,713	1,836	15.1	-209	2.5%	1,628
1,142	1,224	29.6	122	2.1%	1,346
1,777	1,905	45.9	646	3.9%	2,551
1,145	1,228	5.6	-310	1.4%	917
2,927	3,138	15.3	-346	4.3%	2,792
924	990	68.7	666	2.6%	1,656
3,433	3,680	10.1	-691	4.6%	2,989
1,274	1,365	5.6	-345	1.6%	1,020
1,295	1,388	23.6	15	2.2%	1,402
2,577	2,763	32.5	392	4.9%	3,155
1,238	1,327	27.8	96	2.2%	1,423
444	475	49.0	183	1.0%	658
1,208	1,295	41.3	350	2.5%	1,645
60,571	64,930	23.2	0	100.0%	64,930

Notes:
 - Road length Data: Annual Return to Transport Scotland 2017.
 - Kms of LA road length (April 2017) converted to lane length, and weighted (Principal Road x 1.0, Non Principal Road x 0.5).
 - Number of "Body Type - Car" Licences 2017: Department for Transport.
 - Secondary indicator effect calculated as follows:
 (Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

Road Lighting
2018-19

Primary Indicator	GAE	
	Urban Lane Length	GAE Total (£000s)

Road Administration
2018-19

Primary Indicator	GAE	
	Other GAEs	GAE Total (£000s)

Support for Buses
2018-19

Primary Indicator	GAE	
	Total Population	GAE Total (£000s)

Local Authority	Indicator (km)	Share	GAE (£000s)
Aberdeen City	1,596	4.0%	2,394
Aberdeenshire	1,791	4.5%	2,685
Angus	861	2.2%	1,291
Argyll & Bute	886	2.2%	1,329
Clackmannanshire	422	1.1%	633
Dumfries & Galloway	1,299	3.2%	1,948
Dundee City	1,094	2.7%	1,641
East Ayrshire	914	2.3%	1,370
East Dunbartonshire	852	2.1%	1,278
East Lothian	658	1.6%	987
East Renfrewshire	742	1.9%	1,113
Edinburgh (City of)	2,634	6.6%	3,951
Eilean Siar	329	0.8%	493
Falkirk	1,500	3.7%	2,250
Fife	3,061	7.6%	4,590
Glasgow City	3,704	9.3%	5,555
Highland	2,218	5.5%	3,326
Inverclyde	573	1.4%	859
Midlothian	712	1.8%	1,068
Moray	822	2.1%	1,233
North Ayrshire	1,119	2.8%	1,678
North Lanarkshire	2,494	6.2%	3,741
Orkney Islands	243	0.6%	364
Perth & Kinross	1,096	2.7%	1,643
Renfrewshire	1,286	3.2%	1,928
Scottish Borders	768	1.9%	1,152
Shetland Islands	248	0.6%	372
South Ayrshire	875	2.2%	1,313
South Lanarkshire	2,443	6.1%	3,664
Stirling	756	1.9%	1,134
West Dunbartonshire	691	1.7%	1,037
West Lothian	1,326	3.3%	1,989
TOTAL	40,013	100.0%	60,008

Notes:
- Road length Data: Annual Return to Transport Scotland 2017.
- Kms of LA road length (April 2017) classified as urban, converted to lane length.

Indicator (£000s)	Share	GAE (£000s)
9,815	3.1%	1,385
22,764	7.1%	3,212
8,110	2.5%	1,144
9,247	2.9%	1,305
2,928	0.9%	413
14,674	4.6%	2,070
5,990	1.9%	845
7,045	2.2%	994
5,751	1.8%	811
5,735	1.8%	809
4,932	1.5%	696
17,768	5.5%	2,507
4,538	1.4%	640
8,950	2.8%	1,263
20,456	6.4%	2,886
21,602	6.7%	3,048
25,467	8.0%	3,593
3,540	1.1%	499
5,127	1.6%	723
6,926	2.2%	977
7,285	2.3%	1,028
16,015	5.0%	2,259
3,095	1.0%	437
11,182	3.5%	1,578
11,014	3.4%	1,554
10,538	3.3%	1,487
3,374	1.1%	476
6,881	2.1%	971
17,436	5.4%	2,460
8,022	2.5%	1,132
4,213	1.3%	594
9,787	3.1%	1,381
320,207	100.0%	45,175

Notes:
- Based on the GAEs for Road Maintenance, Winter Maintenance and Road Lighting.

Indicator (number)	Share	GAE (£000s)
229,840	4.3%	1,239
262,190	4.9%	1,414
116,520	2.2%	628
87,130	1.6%	470
51,350	1.0%	277
149,520	2.8%	806
148,270	2.7%	799
122,200	2.3%	659
107,540	2.0%	580
104,090	1.9%	561
93,810	1.7%	506
507,170	9.4%	2,735
26,900	0.5%	145
159,380	2.9%	859
370,330	6.9%	1,997
615,070	11.4%	3,316
234,770	4.3%	1,266
79,160	1.5%	427
88,610	1.6%	478
96,070	1.8%	518
135,890	2.5%	733
339,390	6.3%	1,830
21,850	0.4%	118
150,680	2.8%	812
175,930	3.3%	949
114,530	2.1%	618
23,200	0.4%	125
112,470	2.1%	606
317,100	5.9%	1,710
93,750	1.7%	505
89,860	1.7%	485
180,130	3.3%	971
5,404,700	100.0%	29,141

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

ALL ROADS & TRANSPORT
2018-19

GAE	
GAE Total (£000s)	£443,975

Local Authority	Share	GAE (£000s)
Aberdeen City	3.0%	13,313
Aberdeenshire	6.4%	28,593
Angus	2.4%	10,522
Argyll & Bute	2.9%	13,023
Clackmannanshire	0.9%	3,864
Dumfries & Galloway	4.2%	18,529
Dundee City	1.9%	8,326
East Ayrshire	2.2%	9,742
East Dunbartonshire	1.8%	8,162
East Lothian	1.7%	7,606
East Renfrewshire	1.6%	6,957
Edinburgh (City of)	5.6%	24,888
Eilean Siar	1.3%	5,740
Falkirk	2.7%	11,791
Fife	6.1%	27,143
Glasgow City	7.3%	32,490
Highland	7.3%	32,263
Inverclyde	1.2%	5,213
Midlothian	1.5%	6,735
Moray	2.0%	8,904
North Ayrshire	2.3%	10,348
North Lanarkshire	5.2%	22,865
Orkney Islands	2.2%	9,614
Perth & Kinross	3.3%	14,499
Renfrewshire	3.4%	15,043
Scottish Borders	3.0%	13,305
Shetland Islands	2.6%	11,616
South Ayrshire	2.1%	9,503
South Lanarkshire	5.5%	24,345
Stirling	2.3%	10,086
West Dunbartonshire	1.4%	6,091
West Lothian	2.9%	12,859
TOTAL	100.0%	443,975

Parks and Open Spaces (inc. countryside amenities)
2018-19

Primary Indicator	Secondary Indicator	GAE	
Adjusted Population	Urban Settlement Pattern	GAE Total (£000s)	£129,105

Coefficient	-0.0003
Wt Mean	25.0

Sports Facilities & Swimming Pools
2018-19

Primary Indicator	GAE	
Adjusted Population	GAE Total (£000s)	£85,839

Tourism
2018-19

Primary Indicator	GAE	
Average Expenditure	GAE Total (£000s)	£12,374

Local Authority	Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	89,702	5,604	3.5%	564	4.8%	6,168
Aberdeenshire	97,403	6,085	69.5%	-1,269	3.7%	4,817
Angus	43,305	2,705	45.1%	-254	1.9%	2,451
Argyll & Bute	35,892	2,242	79.1%	-569	1.3%	1,674
Clackmannanshire	19,081	1,192	8.6%	92	1.0%	1,284
Dumfries & Galloway	57,790	3,610	66.7%	-706	2.2%	2,904
Dundee City	56,320	3,519	0.2%	410	3.0%	3,928
East Ayrshire	45,284	2,829	32.8%	-104	2.1%	2,725
East Dunbartonshire	39,815	2,487	5.5%	227	2.1%	2,715
East Lothian	39,222	2,450	46.3%	-245	1.7%	2,206
East Renfrewshire	34,687	2,167	2.3%	231	1.9%	2,398
Edinburgh (City of)	203,611	12,720	0.4%	1,466	11.0%	14,186
Eilean Siar	10,691	668	100.0%	-235	0.3%	433
Falkirk	59,765	3,734	6.2%	329	3.1%	4,063
Fife	138,602	8,659	28.4%	-138	6.6%	8,520
Glasgow City	241,375	15,079	0.1%	1,758	13.0%	16,838
Highland	94,495	5,903	69.1%	-1,220	3.6%	4,684
Inverclyde	29,426	1,838	13.7%	97	1.5%	1,936
Midlothian	32,978	2,060	10.3%	142	1.7%	2,202
Moray	36,254	2,265	75.2%	-533	1.3%	1,732
North Ayrshire	51,162	3,196	16.6%	126	2.6%	3,322
North Lanarkshire	126,005	7,872	3.9%	778	6.7%	8,650
Orkney Islands	8,763	547	100.0%	-193	0.3%	355
Perth & Kinross	58,218	3,637	63.6%	-658	2.3%	2,979
Renfrewshire	65,978	4,122	3.6%	414	3.5%	4,536
Scottish Borders	43,063	2,690	72.2%	-596	1.6%	2,094
Shetland Islands	9,491	593	100.0%	-208	0.3%	384
South Ayrshire	43,031	2,688	30.7%	-72	2.0%	2,616
South Lanarkshire	117,730	7,355	21.5%	122	5.8%	7,477
Stirling	36,801	2,299	46.7%	-234	1.6%	2,065
West Dunbartonshire	33,484	2,092	1.2%	233	1.8%	2,325
West Lothian	67,146	4,195	12.6%	244	3.4%	4,439
TOTAL	2,066,569	129,105	25.1%	0	100.0%	129,105

Notes:
 - Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for net commuters and tourists. For calculation details see Annex 1.
 - Urban Settlement Pattern: Percentage of LA population living in settlements of less than 10,000 (Source: NRS Census day 2011 settlements). Settlements within 1km of each other are merged.
 - Secondary indicator effect calculated as follows:
 (Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

Indicator (number)	Share	GAE (£000s)
89,668	4.5%	3,901
91,635	4.6%	3,986
39,465	2.0%	1,717
32,482	1.6%	1,413
17,933	0.9%	780
51,844	2.6%	2,255
55,244	2.8%	2,403
42,499	2.2%	1,849
36,362	1.8%	1,582
36,662	1.9%	1,595
32,189	1.6%	1,400
204,482	10.4%	8,895
9,546	0.5%	415
56,711	2.9%	2,467
130,280	6.6%	5,667
244,325	12.4%	10,628
87,374	4.4%	3,801
27,384	1.4%	1,191
31,268	1.6%	1,360
33,720	1.7%	1,467
47,384	2.4%	2,061
121,474	6.2%	5,284
8,014	0.4%	349
53,273	2.7%	2,317
62,595	3.2%	2,723
38,623	2.0%	1,680
8,942	0.5%	389
38,845	2.0%	1,690
110,864	5.6%	4,823
35,380	1.8%	1,539
31,869	1.6%	1,386
64,988	3.3%	2,827
1,973,325	100.0%	85,839

Notes:
 - Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for in commuters, tourists and sports facilities use. For calculation details see Annex 1.

Indicator (£000s)	Share	GAE (£000s)
1,280	5.3%	650
462	1.9%	235
41	0.2%	21
128	0.5%	65
460	1.9%	233
611	2.5%	310
154	0.6%	78
938	3.9%	477
133	0.5%	67
400	1.6%	203
18	0.1%	9
7,577	31.1%	3,848
95	0.4%	48
265	1.1%	135
456	1.9%	232
4,314	17.7%	2,191
474	1.9%	241
230	0.9%	117
249	1.0%	126
16	0.1%	8
317	1.3%	161
42	0.2%	21
159	0.7%	81
165	0.7%	84
1,522	6.2%	773
319	1.3%	162
438	1.8%	222
985	4.0%	500
1,089	4.5%	553
406	1.7%	206
212	0.9%	108
412	1.7%	209
24,366	100.0%	12,374

Notes:
 - Average of Actual Net Expenditure 2014/15 & 2015/16 & 2016/17.
 Source: SG Statistical Support for Local Government, LFR returns

Remainder of Leisure & Recreation (inc. region element)
2018-19

Primary Indicator	GAE	
Adjusted Population	GAE Total (£000s)	£59,357

Libraries
2018-19

Primary Indicator	GAE	
Adjusted Population	GAE Total (£000s)	£85,412

Museums & Art Galleries
2018-19

Primary Indicator	GAE	
Budget Estimate	GAE Total (£000s)	£29,786

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	89,702	4.3%	2,576
Aberdeenshire	97,403	4.7%	2,798
Angus	43,305	2.1%	1,244
Argyll & Bute	35,892	1.7%	1,031
Clackmannanshire	19,081	0.9%	548
Dumfries & Galloway	57,790	2.8%	1,660
Dundee City	56,320	2.7%	1,618
East Ayrshire	45,284	2.2%	1,301
East Dunbartonshire	39,815	1.9%	1,144
East Lothian	39,222	1.9%	1,127
East Renfrewshire	34,687	1.7%	996
Edinburgh (City of)	203,611	9.9%	5,848
Eilean Siar	10,691	0.5%	307
Falkirk	59,765	2.9%	1,717
Fife	138,602	6.7%	3,981
Glasgow City	241,375	11.7%	6,933
Highland	94,495	4.6%	2,714
Inverclyde	29,426	1.4%	845
Midlothian	32,978	1.6%	947
Moray	36,254	1.8%	1,041
North Ayrshire	51,162	2.5%	1,469
North Lanarkshire	126,005	6.1%	3,619
Orkney Islands	8,763	0.4%	252
Perth & Kinross	58,218	2.8%	1,672
Renfrewshire	65,978	3.2%	1,895
Scottish Borders	43,063	2.1%	1,237
Shetland Islands	9,491	0.5%	273
South Ayrshire	43,031	2.1%	1,236
South Lanarkshire	117,730	5.7%	3,381
Stirling	36,801	1.8%	1,057
West Dunbartonshire	33,484	1.6%	962
West Lothian	67,146	3.2%	1,929
TOTAL	2,066,569	100.0%	59,357

Notes:
- Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for net commuters and tourists. For calculation details see Annex 1.

Indicator (number)	Share	GAE (£000s)
87,079	4.4%	3,773
92,704	4.7%	4,016
41,516	2.1%	1,799
31,895	1.6%	1,382
18,192	0.9%	788
54,407	2.8%	2,357
55,292	2.8%	2,395
43,821	2.2%	1,898
37,623	1.9%	1,630
36,853	1.9%	1,597
32,638	1.7%	1,414
190,628	9.7%	8,259
9,770	0.5%	423
57,152	2.9%	2,476
133,511	6.8%	5,784
233,826	11.9%	10,130
85,508	4.3%	3,704
28,628	1.5%	1,240
31,559	1.6%	1,367
34,743	1.8%	1,505
48,642	2.5%	2,107
121,995	6.2%	5,285
7,960	0.4%	345
54,707	2.8%	2,370
64,177	3.3%	2,780
41,304	2.1%	1,789
8,480	0.4%	367
41,160	2.1%	1,783
113,648	5.8%	4,924
34,769	1.8%	1,506
32,203	1.6%	1,395
65,107	3.3%	2,821
1,971,496	100.0%	85,412

Notes:
- Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for net commuters. For calculation details see Annex 1.

Indicator (£000s)	Share	GAE (£000s)
2,784	7.0%	2,076
1,249	3.1%	931
325	0.8%	242
128	0.3%	95
80	0.2%	59
1,638	4.1%	1,221
1,493	3.7%	1,113
730	1.8%	544
239	0.6%	178
774	1.9%	577
95	0.2%	70
2,682	6.7%	2,000
514	1.3%	383
585	1.5%	436
816	2.0%	608
15,868	39.7%	11,831
1,338	3.3%	997
275	0.7%	205
95	0.2%	70
158	0.4%	118
381	1.0%	284
1,573	3.9%	1,173
334	0.8%	249
1,071	2.7%	798
1,134	2.8%	846
846	2.1%	631
974	2.4%	726
413	1.0%	308
639	1.6%	476
473	1.2%	352
172	0.4%	128
80	0.2%	60
39,948	100.0%	29,786

Notes:
- Average of Budget Estimates, 2016/17 and 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 & 2017

Land Access
2018-19

Primary Indicator 1 Population (excl. national parks)	Primary Indicator 2 Total length of off-road paths (excl national parks)	Minimum Payment	GAE	
			GAE Total (£000s)	£8,100

ALL LEISURE & RECREATION
2018-19

GAE	
GAE Total (£000s)	£409,973

Local Authority	Indicator (number)	Effect (£000s)	Indicator (number)	Effect (£000s)	Effect (£000)	Share	GAE (£000s)
Aberdeen City	229,840	173	825,590	43	0	2.7%	215
Aberdeenshire	258,728	194	7,234,234	374	0	7.0%	569
Angus	116,520	88	2,995,971	155	0	3.0%	243
Argyll & Bute	84,224	63	4,069,149	210	0	3.4%	274
Clackmannanshire	51,350	0	547,285	0	70	0.9%	70
Dumfries & Galloway	149,520	112	5,765,542	298	0	5.1%	411
Dundee City	148,270	111	487,684	25	0	1.7%	137
East Ayrshire	122,200	92	1,366,522	71	0	2.0%	163
East Dunbartonshire	107,540	81	644,829	33	0	1.4%	114
East Lothian	104,090	78	1,556,552	81	0	2.0%	159
East Renfrewshire	93,810	71	358,766	19	0	1.1%	89
Edinburgh (City of)	507,170	381	1,078,396	56	0	5.4%	437
Eilean Siar	26,900	20	1,360,949	70	0	1.1%	91
Falkirk	159,380	120	1,089,596	56	0	2.2%	176
Fife	370,330	278	3,578,179	185	0	5.7%	463
Glasgow City	615,070	462	1,372,424	71	0	6.6%	533
Highland	220,939	166	14,076,190	728	0	11.0%	894
Inverclyde	79,160	59	358,529	19	0	1.0%	78
Midlothian	88,610	67	770,946	40	0	1.3%	106
Moray	95,007	71	3,131,802	162	0	2.9%	233
North Ayrshire	135,890	102	1,329,411	69	0	2.1%	171
North Lanarkshire	339,390	255	2,048,928	106	0	4.5%	361
Orkney Islands	21,850	16	1,499,404	78	0	1.2%	94
Perth & Kinross	149,401	112	5,157,036	267	0	4.7%	379
Renfrewshire	175,930	132	843,908	44	0	2.2%	176
Scottish Borders	114,530	86	6,079,422	314	0	4.9%	400
Shetland Islands	23,200	0	962,564	0	70	0.9%	70
South Ayrshire	112,470	85	1,217,456	63	0	1.8%	147
South Lanarkshire	317,100	238	2,510,806	130	0	4.5%	368
Stirling	84,520	64	2,224,714	115	0	2.2%	179
West Dunbartonshire	86,806	65	491,833	25	0	1.1%	91
West Lothian	180,130	135	1,431,768	74	0	2.6%	209
TOTAL	5,369,875	3,980	78,466,385	3,980	140	100.0%	8,100

Local Authority	Share	GAE (£000s)
Aberdeen City	4.7%	19,359
Aberdeenshire	4.2%	17,351
Angus	1.9%	7,715
Argyll & Bute	1.4%	5,934
Clackmannanshire	0.9%	3,763
Dumfries & Galloway	2.7%	11,118
Dundee City	2.8%	11,672
East Ayrshire	2.2%	8,956
East Dunbartonshire	1.8%	7,430
East Lothian	1.8%	7,463
East Renfrewshire	1.6%	6,377
Edinburgh (City of)	10.6%	43,472
Eilean Siar	0.5%	2,100
Falkirk	2.8%	11,470
Fife	6.2%	25,256
Glasgow City	14.4%	59,085
Highland	4.2%	17,035
Inverclyde	1.4%	5,612
Midlothian	1.5%	6,181
Moray	1.5%	6,105
North Ayrshire	2.3%	9,576
North Lanarkshire	6.0%	24,394
Orkney Islands	0.4%	1,723
Perth & Kinross	2.6%	10,599
Renfrewshire	3.3%	13,729
Scottish Borders	1.9%	7,994
Shetland Islands	0.6%	2,432
South Ayrshire	2.0%	8,280
South Lanarkshire	5.4%	22,002
Stirling	1.7%	6,904
West Dunbartonshire	1.6%	6,395
West Lothian	3.0%	12,493
TOTAL	100.0%	409,973

Notes:
- Off Road Paths (length in metres): Scottish National Heritage, Scottish Path Records.
- Population: NRS Census 2011, Total population minus Population Living In National Parks
- Population: NRS MYE 2016, Total population.
- Population is calculated by applying the 2011 proportion of population not living in a national park to MYE 2015 population for each authority. There is a 50:50 split between population and total length of off -road paths (excluding national parks) unless authority does not reach minimum allocation of £70,000

Waste Collection
2018-19

Primary Indicator	Secondary Indicator	GAE	
Total Dwellings Valued for Council Tax (Excl unoccupied exemptions)	Population Dispersion	GAE Total (£000s)	£82,388

Coefficient	0.0003
Wt Mean	5.4

Waste Disposal
2018-19

Primary Indicator	GAE	
Adjusted Population	GAE Total (£000s)	£111,247

Local Authority	Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	114,886	3,710	0.3	-173	4.3%	3,537
Aberdeenshire	114,994	3,713	12.7	249	4.8%	3,962
Angus	54,881	1,772	3.4	-32	2.1%	1,740
Argyll & Bute	46,971	1,517	31.4	362	2.3%	1,878
Clackmannanshire	23,916	772	2.6	-20	0.9%	753
Dumfries & Galloway	73,316	2,368	15.8	226	3.1%	2,593
Dundee City	72,604	2,345	0.0	-116	2.7%	2,229
East Ayrshire	56,923	1,838	5.0	-6	2.2%	1,832
East Dunbartonshire	46,010	1,486	0.8	-62	1.7%	1,423
East Lothian	46,781	1,511	3.2	-30	1.8%	1,480
East Renfrewshire	38,330	1,238	1.3	-46	1.4%	1,191
Edinburgh (City of)	244,008	7,880	0.1	-381	9.1%	7,498
Eilean Siar	14,018	453	51.7	192	0.8%	645
Falkirk	73,443	2,372	0.8	-100	2.8%	2,272
Fife	173,016	5,587	3.2	-112	6.6%	5,475
Glasgow City	302,091	9,755	0.0	-481	11.3%	9,274
Highland	115,383	3,726	28.3	782	5.5%	4,508
Inverclyde	37,845	1,222	1.6	-42	1.4%	1,180
Midlothian	39,597	1,279	2.0	-40	1.5%	1,239
Moray	43,954	1,419	7.0	21	1.7%	1,440
North Ayrshire	66,966	2,162	2.5	-57	2.6%	2,105
North Lanarkshire	152,631	4,929	1.3	-184	5.8%	4,744
Orkney Islands	10,750	347	15.0	31	0.5%	378
Perth & Kinross	70,400	2,273	10.5	107	2.9%	2,380
Renfrewshire	84,924	2,742	1.4	-100	3.2%	2,642
Scottish Borders	56,924	1,838	17.8	209	2.5%	2,047
Shetland Islands	10,967	354	31.9	86	0.5%	440
South Ayrshire	54,327	1,754	6.0	10	2.1%	1,764
South Lanarkshire	147,582	4,766	1.8	-156	5.6%	4,609
Stirling	40,591	1,311	7.8	29	1.6%	1,340
West Dunbartonshire	44,243	1,429	0.1	-69	1.7%	1,360
West Lothian	78,049	2,520	1.3	-94	2.9%	2,426
TOTAL	2,551,321	82,388	0.0	0	100.0%	82,388

Indicator (number)	Share	GAE (£000s)
91,357	4.4%	4,868
97,817	4.7%	5,213
43,509	2.1%	2,319
36,118	1.7%	1,925
19,217	0.9%	1,024
57,882	2.8%	3,085
57,067	2.7%	3,041
45,641	2.2%	2,432
40,179	1.9%	2,141
39,470	1.9%	2,103
34,971	1.7%	1,864
206,648	9.9%	11,012
10,699	0.5%	570
60,216	2.9%	3,209
139,031	6.7%	7,409
246,744	11.8%	13,149
94,605	4.5%	5,041
29,647	1.4%	1,580
33,341	1.6%	1,777
36,343	1.7%	1,937
51,475	2.5%	2,743
127,199	6.1%	6,778
8,770	0.4%	467
58,537	2.8%	3,119
67,012	3.2%	3,571
43,155	2.1%	2,300
9,507	0.5%	507
43,484	2.1%	2,317
118,854	5.7%	6,334
37,429	1.8%	1,995
33,836	1.6%	1,803
67,827	3.2%	3,614
2,087,586	100.0%	111,247

Notes:

- Dwellings Valued for Council Tax: SG Statistical Support for Local Government (CTAXBASE return 2017)
 - Population Dispersion: This is a measure of the degree to which the population of an authority is spread across its area in relation to (main) settlements. The expression may be defined as the sum of the distances between census output areas, that are outwith settlements of 7,000 or more and the nearest settlement of 7,000 or more (referred to as a Key Settlement). This is multiplied by the population of the output area relative to the non-settlement population of the authority:

$$LA \text{ Dispersion}(OA_i) = \frac{\sum \text{Distance}(OA_i \rightarrow \text{Nearest}) \times \text{Population}}{\text{Total Population}}$$

Notes:

- Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for in-commuters and tourists. For calculation details see Annex 1.

Street Cleaning
2018-19

Primary Indicator	Secondary Indicator	GAE	
Adjusted Population	Road Density Area Deprivation	GAE Total (£000s)	£69,022

Coefficient	0.0050
Wt Mean	0.6

Environmental Health
2018-19

Primary Indicator	Secondary Indicator	GAE	
Adjusted Population	Rural Settlement Pattern	GAE Total (£000s)	£68,149

Coefficient	0.0001
Wt Mean	10.7%

Local Authority	Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	90,332	3,067	0.45	-49	4.4%	3,018
Aberdeenshire	93,767	3,184	-1.40	-924	3.3%	2,260
Angus	41,976	1,425	-0.94	-315	1.6%	1,110
Argyll & Bute	35,635	1,210	-0.83	-249	1.4%	961
Clackmannanshire	18,320	622	0.44	-11	0.9%	611
Dumfries & Galloway	57,479	1,952	-0.95	-437	2.2%	1,515
Dundee City	56,344	1,913	2.15	450	3.4%	2,363
East Ayrshire	43,951	1,492	0.25	-69	2.1%	1,424
East Dunbartonshire	37,625	1,277	-0.13	-129	1.7%	1,148
East Lothian	37,701	1,280	-0.85	-266	1.5%	1,014
East Renfrewshire	32,646	1,108	-0.17	-119	1.4%	989
Edinburgh (City of)	204,429	6,941	1.66	1,135	11.7%	8,076
Eilean Siar	10,630	361	-1.48	-109	0.4%	252
Falkirk	58,047	1,971	0.15	-119	2.7%	1,852
Fife	136,279	4,627	0.15	-282	6.3%	4,345
Glasgow City	242,417	8,231	3.51	3,601	17.1%	11,831
Highland	94,141	3,196	-1.10	-784	3.5%	2,413
Inverclyde	28,821	979	1.74	171	1.7%	1,150
Midlothian	31,634	1,074	-0.43	-156	1.3%	918
Moray	35,794	1,215	-1.22	-320	1.3%	895
North Ayrshire	49,719	1,688	1.07	127	2.6%	1,815
North Lanarkshire	122,278	4,152	1.22	405	6.6%	4,557
Orkney Islands	8,738	297	-1.48	-89	0.3%	207
Perth & Kinross	57,433	1,950	-1.13	-487	2.1%	1,463
Renfrewshire	64,344	2,185	1.01	145	3.4%	2,330
Scottish Borders	42,422	1,440	-1.18	-371	1.5%	1,070
Shetland Islands	9,477	322	-1.48	-97	0.3%	225
South Ayrshire	42,441	1,441	-0.42	-208	1.8%	1,233
South Lanarkshire	113,899	3,867	0.05	-289	5.2%	3,579
Stirling	36,383	1,235	-0.79	-246	1.4%	989
West Dunbartonshire	32,344	1,098	2.07	245	1.9%	1,343
West Lothian	65,452	2,222	0.09	-154	3.0%	2,068
TOTAL	2,032,897	69,022	-0.21	0	100.0%	69,022

Notes:
 - Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for net commuters and tourists. For calculation details see Annex 1.
 - Road Density/Area Deprivation. Combined Indicator:
 Road Density: Adjusted population per Km of road length, weighted by urban road length as a proportion of total road length. Source: Annual Return to Transport Scotland 2017.
 Area Deprivation: Scottish Index of Multiple Deprivation proportion of LA data zones falling within the most deprived 20% of all Scotland data zones. Source: Scottish Government SIMD 2016
 - Secondary indicator effect calculated as follows:
 (Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
91,357	2,982	1.5%	-94	4.2%	2,888
97,817	3,193	34.2%	256	5.1%	3,449
43,509	1,420	22.5%	57	2.2%	1,477
36,118	1,179	34.0%	94	1.9%	1,273
19,217	627	3.3%	-16	0.9%	612
57,882	1,890	35.8%	162	3.0%	2,052
57,067	1,863	0.2%	-67	2.6%	1,796
45,641	1,490	7.8%	-15	2.2%	1,475
40,179	1,312	2.1%	-38	1.9%	1,273
39,470	1,289	11.0%	1	1.9%	1,290
34,971	1,142	2.3%	-33	1.6%	1,109
206,648	6,746	0.4%	-237	9.6%	6,509
10,699	349	73.1%	74	0.6%	424
60,216	1,966	4.1%	-44	2.8%	1,922
139,031	4,539	7.1%	-56	6.8%	4,483
246,744	8,055	0.1%	-291	11.4%	7,764
94,605	3,088	36.6%	273	4.9%	3,361
29,647	968	1.8%	-29	1.4%	938
33,341	1,088	7.0%	-14	1.6%	1,075
36,343	1,186	22.4%	47	1.8%	1,234
51,475	1,680	5.9%	-28	2.4%	1,653
127,199	4,152	1.7%	-128	5.9%	4,024
8,770	286	58.8%	47	0.5%	333
58,537	1,911	25.1%	94	2.9%	2,005
67,012	2,188	1.9%	-66	3.1%	2,122
43,155	1,409	32.2%	103	2.2%	1,512
9,507	310	64.9%	57	0.5%	368
43,484	1,420	10.5%	-1	2.1%	1,418
118,854	3,880	7.1%	-48	5.6%	3,832
37,429	1,222	16.1%	23	1.8%	1,244
33,836	1,105	1.2%	-36	1.6%	1,069
67,827	2,214	4.4%	-48	3.2%	2,166
2,087,586	68,149	10.8%	0	100.0%	68,149

Notes:
 - Adjusted Population (NRS MYE 2016) in days / 1,000. Adjusted for, in commuters and tourists. For calculation details see Annex 1.
 - Rural Settlement Pattern: Percentage of LA population living in settlements of less than 1,000 (Source: NRS Census day 2011 settlements). Settlements within 1km of each other are merged.
 - Secondary indicator effect calculated as follows:
 (Primary Indicator*Regression coefficient)*(Secondary Indicator-Weighted Mean Secondary Indicator)

**Smoking Ban
2018-19**

Primary Indicator 1	Fixed Payment	GAE	
Other GAE		GAE Total (£000s)	£2,500

**ALL CLEANSING & ENVIRONMENT
2018-19**

GAE	
GAE Total (£000s)	£333,306

Local Authority	Indicator (£000s)	Effect (£000s)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	2,888	40	48	3.6%	89
Aberdeenshire	3,449	48	48	3.9%	97
Angus	1,477	21	48	2.8%	69
Argyll & Bute	1,273	18	48	2.6%	66
Clackmannanshire	612	9	48	2.3%	57
Dumfries & Galloway	2,052	29	48	3.1%	77
Dundee City	1,796	25	48	2.9%	73
East Ayrshire	1,475	21	48	2.8%	69
East Dunbartonshire	1,273	18	48	2.6%	66
East Lothian	1,290	18	48	2.7%	66
East Renfrewshire	1,109	16	48	2.6%	64
Edinburgh (City of)	6,509	91	48	5.6%	139
Eilean Siar	424	6	48	2.2%	54
Falkirk	1,922	27	48	3.0%	75
Fife	4,483	63	48	4.4%	111
Glasgow City	7,764	109	48	6.3%	157
Highland	3,361	47	48	3.8%	95
Inverclyde	938	13	48	2.5%	61
Midlothian	1,075	15	48	2.5%	63
Moray	1,234	17	48	2.6%	66
North Ayrshire	1,653	23	48	2.9%	71
North Lanarkshire	4,024	56	48	4.2%	105
Orkney Islands	333	5	48	2.1%	53
Perth & Kinross	2,005	28	48	3.1%	76
Renfrewshire	2,122	30	48	3.1%	78
Scottish Borders	1,512	21	48	2.8%	69
Shetland Islands	368	5	48	2.1%	53
South Ayrshire	1,418	20	48	2.7%	68
South Lanarkshire	3,832	54	48	4.1%	102
Stirling	1,244	17	48	2.6%	66
West Dunbartonshire	1,069	15	48	2.5%	63
West Lothian	2,166	30	48	3.1%	79
TOTAL	68,149	955	1,545	100.0%	2,500

Local Authority	Share	GAE (£000s)
Aberdeen City	4.3%	14,401
Aberdeenshire	4.5%	14,980
Angus	2.0%	6,715
Argyll & Bute	1.8%	6,103
Clackmannanshire	0.9%	3,056
Dumfries & Galloway	2.8%	9,322
Dundee City	2.9%	9,503
East Ayrshire	2.2%	7,232
East Dunbartonshire	1.8%	6,052
East Lothian	1.8%	5,954
East Renfrewshire	1.6%	5,217
Edinburgh (City of)	10.0%	33,235
Eilean Siar	0.6%	1,945
Falkirk	2.8%	9,329
Fife	6.5%	21,823
Glasgow City	12.7%	42,175
Highland	4.6%	15,419
Inverclyde	1.5%	4,909
Midlothian	1.5%	5,072
Moray	1.7%	5,571
North Ayrshire	2.5%	8,388
North Lanarkshire	6.1%	20,209
Orkney Islands	0.4%	1,438
Perth & Kinross	2.7%	9,043
Renfrewshire	3.2%	10,743
Scottish Borders	2.1%	6,998
Shetland Islands	0.5%	1,593
South Ayrshire	2.0%	6,801
South Lanarkshire	5.5%	18,455
Stirling	1.7%	5,634
West Dunbartonshire	1.7%	5,638
West Lothian	3.1%	10,354
TOTAL	100.0%	333,306

Notes:

- A flat rate payment is made to each authority with the remainder of the funding being allocated based on GAE for Environmental Health

**Collection of Local Tax
2018-19**

Primary Indicator	GAE	
Dwellings Valued for Council Tax	GAE Total (£000s)	£31,886

**Land Valuation
2018-19**

Primary Indicator	GAE	
Non-Domestic Rateable Subjects	GAE Total (£000s)	£17,481

**Valuation of Council Tax
2018-19**

Primary Indicator	GAE	
Dwellings Valued for Council Tax	GAE Total (£000s)	£10,057

**Registration of Births, Deaths & Marriages
2018-19**

Primary Indicator	GAE	
Total Population	GAE Total (£000s)	£5,557

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	116,821	4.5%	1,436
Aberdeenshire	117,363	4.5%	1,442
Angus	56,135	2.2%	690
Argyll & Bute	47,884	1.8%	588
Clackmannanshire	24,377	0.9%	300
Dumfries & Galloway	74,687	2.9%	918
Dundee City	74,354	2.9%	914
East Ayrshire	58,158	2.2%	715
East Dunbartonshire	46,430	1.8%	571
East Lothian	47,407	1.8%	583
East Renfrewshire	38,677	1.5%	475
Edinburgh (City of)	246,818	9.5%	3,033
Eilean Siar	14,714	0.6%	181
Falkirk	74,361	2.9%	914
Fife	175,915	6.8%	2,162
Glasgow City	308,293	11.9%	3,788
Highland	117,291	4.5%	1,441
Inverclyde	38,848	1.5%	477
Midlothian	39,937	1.5%	491
Moray	44,838	1.7%	551
North Ayrshire	67,960	2.6%	835
North Lanarkshire	154,286	5.9%	1,896
Orkney Islands	11,192	0.4%	138
Perth & Kinross	71,822	2.8%	883
Renfrewshire	86,449	3.3%	1,062
Scottish Borders	58,167	2.2%	715
Shetland Islands	11,180	0.4%	137
South Ayrshire	55,252	2.1%	679
South Lanarkshire	149,972	5.8%	1,843
Stirling	41,250	1.6%	507
West Dunbartonshire	45,093	1.7%	554
West Lothian	78,890	3.0%	969
TOTAL	2,594,821	100.0%	31,886

Notes:
- Dwellings Valued for Council Tax: SG Statistical Support for Local Government (CTAXBASE return 2017)

Indicator (number)	Share	GAE (£000s)
9,397	4.0%	698
11,811	5.0%	878
5,199	2.2%	386
9,075	3.9%	675
1,587	0.7%	118
8,803	3.7%	654
5,653	2.4%	420
3,869	1.6%	288
2,411	1.0%	179
3,543	1.5%	263
1,787	0.8%	133
22,800	9.7%	1,695
2,515	1.1%	187
5,060	2.2%	376
13,173	5.6%	979
26,255	11.2%	1,952
19,410	8.3%	1,443
2,363	1.0%	176
3,048	1.3%	227
4,551	1.9%	338
4,997	2.1%	371
10,056	4.3%	747
2,535	1.1%	188
9,082	3.9%	675
6,522	2.8%	485
7,259	3.1%	540
2,348	1.0%	175
4,809	2.0%	357
10,257	4.4%	762
5,504	2.3%	409
2,961	1.3%	220
6,537	2.8%	486
235,177	100.0%	17,481

Notes:
- Non-Domestic Rateable Subjects as at 1st October 2017: Scottish Assessors Portal

Indicator (number)	Share	GAE (£000s)
116,821	4.5%	453
117,363	4.5%	455
56,135	2.2%	218
47,884	1.8%	186
24,377	0.9%	94
74,687	2.9%	289
74,354	2.9%	288
58,158	2.2%	225
46,430	1.8%	180
47,407	1.8%	184
38,677	1.5%	150
246,818	9.5%	957
14,714	0.6%	57
74,361	2.9%	288
175,915	6.8%	682
308,293	11.9%	1,195
117,291	4.5%	455
38,848	1.5%	151
39,937	1.5%	155
44,838	1.7%	174
67,960	2.6%	263
154,286	5.9%	598
11,192	0.4%	43
71,822	2.8%	278
86,449	3.3%	335
58,167	2.2%	225
11,180	0.4%	43
55,252	2.1%	214
149,972	5.8%	581
41,250	1.6%	160
45,093	1.7%	175
78,890	3.0%	306
2,594,821	100.0%	10,057

Notes:
- Dwellings Valued for Council Tax: SG Statistical Support for Local Government (CTAXBASE return 2017)

Indicator (number)	Share	GAE (£000s)
229,840	4.3%	236
262,190	4.9%	270
116,520	2.2%	120
87,130	1.6%	90
51,350	1.0%	53
149,520	2.8%	154
148,270	2.7%	152
122,200	2.3%	126
107,540	2.0%	111
104,090	1.9%	107
93,810	1.7%	96
507,170	9.4%	521
26,900	0.5%	28
159,380	2.9%	164
370,330	6.9%	381
615,070	11.4%	632
234,770	4.3%	241
79,160	1.5%	81
88,610	1.6%	91
96,070	1.8%	99
135,890	2.5%	140
339,390	6.3%	349
21,850	0.4%	22
150,680	2.8%	155
175,930	3.3%	181
114,530	2.1%	118
23,200	0.4%	24
112,470	2.1%	116
317,100	5.9%	326
93,750	1.7%	96
89,860	1.7%	92
180,130	3.3%	185
5,404,700	100.0%	5,557

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.

**Collection of Non-Domestic Rates
2018-19**

Primary Indicator	GAE	
	Non-Domestic Rateable Subjects	GAE Total (£000s)

**Electoral Registration
2018-19**

Primary Indicator	GAE	
	Dwellings Valued for Council Tax	GAE Total (£000s)

**ALL ELECTIONS & TAXATION
2018-19**

GAE	
GAE Total (£000s)	£76,735

Local Authority	Indicator (number)	Share	GAE (£000s)
Aberdeen City	9,397	4.0%	199
Aberdeenshire	11,811	5.0%	250
Angus	5,199	2.2%	110
Argyll & Bute	9,075	3.9%	192
Clackmannanshire	1,587	0.7%	34
Dumfries & Galloway	8,803	3.7%	186
Dundee City	5,653	2.4%	120
East Ayrshire	3,869	1.6%	82
East Dunbartonshire	2,411	1.0%	51
East Lothian	3,543	1.5%	75
East Renfrewshire	1,787	0.8%	38
Edinburgh (City of)	22,800	9.7%	483
Eilean Siar	2,515	1.1%	53
Falkirk	5,060	2.2%	107
Fife	13,173	5.6%	279
Glasgow City	26,255	11.2%	556
Highland	19,410	8.3%	411
Inverclyde	2,363	1.0%	50
Midlothian	3,048	1.3%	65
Moray	4,551	1.9%	96
North Ayrshire	4,997	2.1%	106
North Lanarkshire	10,056	4.3%	213
Orkney Islands	2,535	1.1%	54
Perth & Kinross	9,082	3.9%	192
Renfrewshire	6,522	2.8%	138
Scottish Borders	7,259	3.1%	154
Shetland Islands	2,348	1.0%	50
South Ayrshire	4,809	2.0%	102
South Lanarkshire	10,257	4.4%	217
Stirling	5,504	2.3%	117
West Dunbartonshire	2,961	1.3%	63
West Lothian	6,537	2.8%	138
TOTAL	235,177	100.0%	4,980

Notes:
- Non-Domestic Rateable Subjects as at 1st October 2017: Scottish Assessors Portal

Indicator (number)	Share	GAE (£000s)
116,821	4.5%	305
117,363	4.5%	306
56,135	2.2%	147
47,884	1.8%	125
24,377	0.9%	64
74,687	2.9%	195
74,354	2.9%	194
58,158	2.2%	152
46,430	1.8%	121
47,407	1.8%	124
38,677	1.5%	101
246,818	9.5%	644
14,714	0.6%	38
74,361	2.9%	194
175,915	6.8%	459
308,293	11.9%	805
117,291	4.5%	306
38,848	1.5%	101
39,937	1.5%	104
44,838	1.7%	117
67,960	2.6%	177
154,286	5.9%	403
11,192	0.4%	29
71,822	2.8%	187
86,449	3.3%	226
58,167	2.2%	152
11,180	0.4%	29
55,252	2.1%	144
149,972	5.8%	392
41,250	1.6%	108
45,093	1.7%	118
78,890	3.0%	206
2,594,821	100.0%	6,774

Notes:
- Dwellings Valued for Council Tax: SG Statistical Support for Local Government (CTAXBASE return 2017)

Local Authority	Share	GAE (£000s)
Aberdeen City	4.3%	3,327
Aberdeenshire	4.7%	3,601
Angus	2.2%	1,670
Argyll & Bute	2.4%	1,855
Clackmannanshire	0.9%	662
Dumfries & Galloway	3.1%	2,397
Dundee City	2.7%	2,088
East Ayrshire	2.1%	1,587
East Dunbartonshire	1.6%	1,213
East Lothian	1.7%	1,335
East Renfrewshire	1.3%	993
Edinburgh (City of)	9.6%	7,333
Eilean Siar	0.7%	544
Falkirk	2.7%	2,043
Fife	6.4%	4,942
Glasgow City	11.6%	8,928
Highland	5.6%	4,297
Inverclyde	1.4%	1,036
Midlothian	1.5%	1,132
Moray	1.8%	1,375
North Ayrshire	2.5%	1,893
North Lanarkshire	5.5%	4,206
Orkney Islands	0.6%	475
Perth & Kinross	3.1%	2,371
Renfrewshire	3.2%	2,427
Scottish Borders	2.5%	1,903
Shetland Islands	0.6%	458
South Ayrshire	2.1%	1,612
South Lanarkshire	5.4%	4,121
Stirling	1.8%	1,397
West Dunbartonshire	1.6%	1,222
West Lothian	3.0%	2,291
TOTAL	100.0%	76,735

Planning & Economic Development
2018-19

Primary Indicator	GAE	
Average of Provisional Outturn and Budget Estimate	GAE Total (£000s)	£90,728

Building Control
2018-19

Primary Indicator	GAE	
Building Control Warrants	GAE Total (£000s)	£3,833

Miscellaneous Services
2018-19

Primary Indicator	Mainland Component	Island Component	GAE	
Total Population			GAE Total (£000s)	£49,218

Local Authority	Indicator (£000s)	Share	GAE (£000s)
Aberdeen City	6,753	2.7%	2,404
Aberdeenshire	7,997	3.1%	2,847
Angus	2,442	1.0%	870
Argyll & Bute	3,937	1.5%	1,402
Clackmannanshire	1,304	0.5%	464
Dumfries & Galloway	5,953	2.3%	2,120
Dundee City	10,227	4.0%	3,642
East Ayrshire	4,540	1.8%	1,617
East Dunbartonshire	4,466	1.8%	1,590
East Lothian	6,165	2.4%	2,195
East Renfrewshire	3,176	1.2%	1,131
Edinburgh (City of)	15,180	6.0%	5,405
Eilean Siar	2,651	1.0%	944
Falkirk	6,617	2.6%	2,356
Fife	13,682	5.4%	4,872
Glasgow City	65,627	25.8%	23,368
Highland	5,982	2.3%	2,130
Inverclyde	6,261	2.5%	2,229
Midlothian	2,987	1.2%	1,064
Moray	2,318	0.9%	825
North Ayrshire	8,939	3.5%	3,183
North Lanarkshire	12,364	4.9%	4,403
Orkney Islands	3,002	1.2%	1,069
Perth & Kinross	5,175	2.0%	1,843
Renfrewshire	6,974	2.7%	2,483
Scottish Borders	2,134	0.8%	760
Shetland Islands	3,325	1.3%	1,184
South Ayrshire	4,540	1.8%	1,616
South Lanarkshire	15,427	6.1%	5,493
Stirling	2,322	0.9%	827
West Dunbartonshire	3,345	1.3%	1,191
West Lothian	8,993	3.5%	3,202
TOTAL	254,803	100.0%	90,728

Notes:
- Expenditure on Planning. Average of Provisional Outturn 2015/16 & 2016/16 and Budget Estimates 2016/17 & 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 and 2017.

Indicator (number)	Share	GAE (£000s)
1,620	3.3%	127
2,938	6.0%	230
1,028	2.1%	81
1,189	2.4%	93
322	0.7%	25
1,567	3.2%	123
1,009	2.1%	79
993	2.0%	78
1,149	2.3%	90
965	2.0%	76
1,023	2.1%	80
5,526	11.3%	433
318	0.7%	25
1,149	2.3%	90
3,256	6.7%	255
3,447	7.0%	270
3,205	6.6%	251
466	1.0%	37
798	1.6%	63
1,028	2.1%	81
1,369	2.8%	107
1,762	3.6%	138
429	0.9%	34
2,008	4.1%	157
1,448	3.0%	113
1,403	2.9%	110
322	0.7%	25
1,199	2.5%	94
2,630	5.4%	206
1,325	2.7%	104
522	1.1%	41
1,502	3.1%	118
48,915	100.0%	3,833

Notes:
- Building Control Warrants 2016/17. Source: SG GAE Returns (GAE-Building Control Services).

Indicator (number)	Effect (£000s)	Effect (£000s)	Share	GAE (£000s)
229,840	2,059		4.2%	2,059
262,190	2,348		4.8%	2,348
116,520	1,044		2.1%	1,044
87,130	780		1.6%	780
51,350	460		0.9%	460
149,520	1,339		2.7%	1,339
148,270	1,328		2.7%	1,328
122,200	1,095		2.2%	1,095
107,540	963		2.0%	963
104,090	932		1.9%	932
93,810	840		1.7%	840
507,170	4,543		9.2%	4,543
26,900		544	1.1%	544
159,380	1,428		2.9%	1,428
370,330	3,317		6.7%	3,317
615,070	5,509		11.2%	5,509
234,770	2,103		4.3%	2,103
79,160	709		1.4%	709
88,610	794		1.6%	794
96,070	860		1.7%	860
135,890	1,217		2.5%	1,217
339,390	3,040		6.2%	3,040
21,850		442	0.9%	442
150,680	1,350		2.7%	1,350
175,930	1,576		3.2%	1,576
114,530	1,026		2.1%	1,026
23,200		469	1.0%	469
112,470	1,007		2.0%	1,007
317,100	2,840		5.8%	2,840
93,750	840		1.7%	840
89,860	805		1.6%	805
180,130	1,613		3.3%	1,613
5,404,700	47,764	1,454	100.0%	49,218

Notes:
- Population Data: National Records of Scotland (NRS) Mid-Year Estimates 2016.
- Mainland, Island Component shares are kept the same as in previous settlement years.

School Crossing Patrols
2018-19

Primary Indicator	Secondary Indicator 1	GAE	
All Education Authority Pupils (excl Adults)	Urban Settlement Pattern	GAE Total (£000s)	£13,064

Coefficient	-0.0001
Wt Mean	25.5%

Non-Road lighting
2018-19

Primary Indicator	GAE	
Budget Estimate	GAE Total (£000s)	£7,461

Local Authority	Indicator (number)	Effect (£000s)	Indicator	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	26,328	442	3.5%	61	3.9%	503
Aberdeenshire	40,329	676	69.5%	-189	3.7%	487
Angus	16,963	285	45.1%	-35	1.9%	249
Argyll & Bute	11,671	196	79.1%	-67	1.0%	129
Clackmannanshire	7,667	129	8.6%	14	1.1%	142
Dumfries & Galloway	21,122	354	66.7%	-93	2.0%	261
Dundee City	20,827	349	0.2%	56	3.1%	405
East Ayrshire	17,968	301	32.8%	-14	2.2%	287
East Dunbartonshire	18,574	312	5.5%	39	2.7%	351
East Lothian	16,113	270	46.3%	-36	1.8%	234
East Renfrewshire	18,890	317	2.3%	47	2.8%	363
Edinburgh (City of)	58,060	974	0.4%	155	8.6%	1,129
Eilean Siar	3,831	64	100.0%	-30	0.3%	34
Falkirk	24,529	411	6.2%	50	3.5%	462
Fife	55,690	934	28.4%	-18	7.0%	916
Glasgow City	77,411	1,298	0.1%	209	11.5%	1,507
Highland	34,946	586	69.1%	-162	3.2%	424
Inverclyde	11,036	185	13.7%	14	1.5%	199
Midlothian	14,528	244	10.3%	23	2.0%	267
Moray	13,496	226	75.2%	-71	1.2%	155
North Ayrshire	20,466	343	16.6%	19	2.8%	363
North Lanarkshire	54,767	919	3.9%	126	8.0%	1,044
Orkney Islands	3,111	52	100.0%	-25	0.2%	27
Perth & Kinross	20,169	338	63.6%	-82	2.0%	256
Renfrewshire	26,760	449	3.6%	62	3.9%	511
Scottish Borders	16,435	276	72.2%	-82	1.5%	194
Shetland Islands	3,723	62	100.0%	-30	0.3%	33
South Ayrshire	15,800	265	30.7%	-9	2.0%	256
South Lanarkshire	49,296	827	21.5%	21	6.5%	848
Stirling	14,026	235	46.7%	-32	1.6%	203
West Dunbartonshire	14,214	238	1.2%	37	2.1%	275
West Lothian	30,174	506	12.6%	41	4.2%	547
TOTAL	778,920	13,064	25.1%	0	100.0%	13,064

Indicator (£000s)	Share	GAE (£000s)
467	5.2%	385
48	0.5%	40
232	2.6%	191
0	0.0%	0
0	0.0%	0
124	1.4%	102
689	7.6%	568
116	1.3%	95
106	1.2%	87
118	1.3%	97
88	1.0%	72
1,053	11.6%	867
28	0.3%	23
211	2.3%	173
179	2.0%	147
885	9.8%	729
513	5.7%	422
-1	0.0%	0
87	1.0%	72
0	0.0%	0
0	0.0%	0
2,205	24.3%	1,816
20	0.2%	16
102	1.1%	84
57	0.6%	47
104	1.1%	85
1	0.0%	1
97	1.1%	79
878	9.7%	723
69	0.8%	56
0	0.0%	0
588	6.5%	484
9,057	100.0%	7,461

Notes:
- Pupil Numbers Source: Scottish Government Pupil Census 2017 and Pre-School Education Census 2016.
- Urban Settlement Pattern: Percentage of LA population living in settlements of less than 10,000 (Source: NRS Census day 2011 settlements). Settlements within 1km of each other are merged.
- Secondary indicator effect calculated as follows:
(Population*Regression coefficient)/(Secondary Indicator-Weighted Mean Secondary Indicator)

Notes:
- Average of Budget Estimates, 2016/17 and 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 & 2017

**Supported Employment
2018-19**

Primary Indicator	GAE	
	Budget Estimate	GAE Total (£000s)

**Homelessness
2018-19**

Primary Indicator	GAE	
	Homeless or Threatened with Homelessness Applications	GAE Total (£000s)

**Administration of Housing Improvement Grants and Loans
2018-19**

Primary Indicator	GAE	
	Budget Estimate	GAE Total (£000s)

Local Authority	Indicator (£000s)	Share	GAE (£000s)
Aberdeen City	197	3.1%	262
Aberdeenshire	14	0.2%	19
Angus	81	1.3%	108
Argyll & Bute	0	0.0%	0
Clackmannanshire	468	7.5%	623
Dumfries & Galloway	57	0.9%	75
Dundee City	217	3.4%	288
East Ayrshire	70	1.1%	93
East Dunbartonshire	278	4.4%	369
East Lothian	0	0.0%	0
East Renfrewshire	0	0.0%	0
Edinburgh (City of)	206	3.3%	273
Eilean Siar	0	0.0%	0
Falkirk	0	0.0%	0
Fife	1,291	20.6%	1,717
Glasgow City	1,004	16.0%	1,335
Highland	0	0.0%	0
Inverclyde	248	4.0%	330
Midlothian	0	0.0%	0
Moray	314	5.0%	417
North Ayrshire	25	0.4%	33
North Lanarkshire	1,122	17.9%	1,492
Orkney Islands	0	0.0%	0
Perth & Kinross	30	0.5%	39
Renfrewshire	0	0.0%	0
Scottish Borders	0	0.0%	0
Shetland Islands	38	0.6%	50
South Ayrshire	0	0.0%	0
South Lanarkshire	360	5.7%	478
Stirling	0	0.0%	0
West Dunbartonshire	0	0.0%	0
West Lothian	263	4.2%	349
TOTAL	6,277	100.0%	8,350

Notes:
- Average of Budget Estimates, 2016/17 and 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 & 2017

Indicator (number)	Share	GAE (£000s)
1,187	4.1%	265
959	3.3%	214
651	2.3%	145
353	1.2%	79
377	1.3%	84
521	1.8%	116
1,048	3.6%	234
436	1.5%	97
417	1.4%	93
620	2.1%	138
283	1.0%	63
3,531	12.2%	787
121	0.4%	27
878	3.0%	196
1,912	6.6%	426
4,633	16.0%	1,033
935	3.2%	208
195	0.7%	43
496	1.7%	111
373	1.3%	83
683	2.4%	152
1,483	5.1%	330
78	0.3%	17
714	2.5%	159
664	2.3%	148
534	1.9%	119
110	0.4%	25
614	2.1%	137
1,609	5.6%	359
393	1.4%	88
967	3.3%	216
1,093	3.8%	244
28,870	100.0%	6,435

Notes:
- Number of applications to local authorities under the homeless persons legislation that were assessed as homeless or threatened with homelessness, 2014/15, 2015/16 and 2016/17 average. Source: Scottish Government Housing Statistics Branch (HL1 return)

Indicator (£000s)	Share	GAE (£000s)
109	2.1%	94
594	11.4%	511
93	1.8%	80
218	4.2%	188
64	1.2%	55
42	0.8%	36
111	2.1%	96
141	2.7%	121
63	1.2%	54
57	1.1%	49
142	2.7%	122
16	0.3%	13
488	9.3%	420
367	7.0%	315
0	0.0%	0
-724	-13.9%	-623
1,262	24.2%	1,086
249	4.8%	214
6	0.1%	5
165	3.2%	142
219	4.2%	189
353	6.8%	304
35	0.7%	30
40	0.8%	34
147	2.8%	127
447	8.6%	384
50	0.9%	43
0	0.0%	0
338	6.5%	291
95	1.8%	81
0	0.0%	0
38	0.7%	32
5,220	100.0%	4,493

Notes:
- Average of Budget Estimates, 2016/17 and 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 & 2017

Flood Prevention
2018-19

Primary Indicator	GAE	
Budget Estimate	GAE Total (£000s)	£4,891

Supporting People
2018-19

Primary Indicator	GAE	
Other GAE	GAE Total (£000s)	£12,429

Tackling and Preventing Homelessness
2018-19

Primary Indicator	GAE	
Other GAE	GAE Total (£000s)	£10,144

Local Authority	Indicator (£000s)	Share	GAE (£000s)
Aberdeen City	306	3.0%	145
Aberdeenshire	731	7.1%	347
Angus	270	2.6%	128
Argyll & Bute	396	3.8%	188
Clackmannanshire	45	0.4%	21
Dumfries & Galloway	238	2.3%	113
Dundee City	153	1.5%	73
East Ayrshire	180	1.7%	85
East Dunbartonshire	238	2.3%	113
East Lothian	138	1.3%	65
East Renfrewshire	85	0.8%	40
Edinburgh (City of)	750	7.3%	356
Eilean Siar	0	0.0%	0
Falkirk	502	4.9%	238
Fife	618	6.0%	293
Glasgow City	623	6.0%	296
Highland	123	1.2%	58
Inverclyde	0	0.0%	0
Midlothian	73	0.7%	34
Moray	550	5.3%	261
North Ayrshire	503	4.9%	239
North Lanarkshire	581	5.6%	276
Orkney Islands	80	0.8%	38
Perth & Kinross	995	9.7%	472
Renfrewshire	495	4.8%	235
Scottish Borders	217	2.1%	103
Shetland Islands	15	0.1%	7
South Ayrshire	7	0.1%	3
South Lanarkshire	206	2.0%	98
Stirling	459	4.5%	218
West Dunbartonshire	0	0.0%	0
West Lothian	729	7.1%	346
TOTAL	10,300	100.0%	4,891

Notes:
- Average of Budget Estimates, 2016/17 and 2017/18. Source: SG Statistical Support for Local Government, POBE 2016 & 2017

Indicator (£000s)	Share	GAE (£000s)
2,059	4.2%	520
2,348	4.8%	593
1,044	2.1%	264
780	1.6%	197
460	0.9%	116
1,339	2.7%	338
1,328	2.7%	335
1,095	2.2%	276
963	2.0%	243
932	1.9%	235
840	1.7%	212
4,543	9.2%	1,147
544	1.1%	137
1,428	2.9%	360
3,317	6.7%	838
5,509	11.2%	1,391
2,103	4.3%	531
709	1.4%	179
794	1.6%	200
860	1.7%	217
1,217	2.5%	307
3,040	6.2%	768
442	0.9%	112
1,350	2.7%	341
1,576	3.2%	398
1,026	2.1%	259
469	1.0%	118
1,007	2.0%	254
2,840	5.8%	717
840	1.7%	212
805	1.6%	203
1,613	3.3%	407
49,218	100.0%	12,429

Notes:
- Based on the GAE allocation for Miscellaneous Services.

Share	GAE (£000s)
4.1%	417
3.3%	337
2.3%	229
1.2%	124
1.3%	132
1.8%	183
3.6%	368
1.5%	153
1.4%	147
2.1%	218
1.0%	99
12.2%	1,241
0.4%	43
3.0%	309
6.6%	672
16.0%	1,628
3.2%	328
0.7%	68
1.7%	174
1.3%	131
2.4%	240
5.1%	521
0.3%	28
2.5%	251
2.3%	233
1.9%	188
0.4%	39
2.1%	216
5.6%	565
1.4%	138
3.3%	340
3.8%	384
100.0%	10,144

Notes:
- Previously known as Rough Sleepers Initiative
- Based on the GAE allocation for Homelessness.

**Enhanced Debt Advice Services
2018-19**

Primary Indicator	Minimum Payment	GAE	
Number of Current Income Deprived			GAE Total (£000s)

**ALL OTHER SERVICES
2018-19**

GAE	
GAE Total (£000s)	£260,129

Local Authority	Indicator (number)	Effect (£000s)	Effect (£000s)	Share	GAE (£000s)
Aberdeen City	17,890	133	0	2.5%	133
Aberdeenshire	14,920	111	0	2.1%	111
Angus	11,485	85	0	1.6%	85
Argyll & Bute	8,775	0	85	1.6%	85
Clackmannanshire	7,290	0	85	1.6%	85
Dumfries & Galloway	17,365	129	0	2.4%	129
Dundee City	24,260	180	0	3.4%	180
East Ayrshire	18,935	140	0	2.6%	140
East Dunbartonshire	7,520	0	85	1.6%	85
East Lothian	10,015	0	85	1.6%	85
East Renfrewshire	6,630	0	85	1.6%	85
Edinburgh (City of)	45,920	340	0	6.4%	340
Eilean Siar	2,825	0	85	1.6%	85
Falkirk	18,455	137	0	2.6%	137
Fife	45,420	337	0	6.4%	337
Glasgow City	122,250	906	0	17.1%	906
Highland	22,130	164	0	3.1%	164
Inverclyde	13,420	99	0	1.9%	99
Midlothian	9,790	0	85	1.6%	85
Moray	7,835	0	85	1.6%	85
North Ayrshire	23,545	174	0	3.3%	174
North Lanarkshire	52,325	388	0	7.3%	388
Orkney Islands	1,460	0	85	1.6%	85
Perth & Kinross	12,310	91	0	1.7%	91
Renfrewshire	23,450	174	0	3.3%	174
Scottish Borders	10,935	0	85	1.6%	85
Shetland Islands	1,320	0	85	1.6%	85
South Ayrshire	14,230	105	0	2.0%	105
South Lanarkshire	41,670	309	0	5.8%	309
Stirling	8,240	0	85	1.6%	85
West Dunbartonshire	15,955	118	0	2.2%	118
West Lothian	21,350	158	0	3.0%	158
TOTAL	659,920	4,278	1,020	100.0%	5,298

Local Authority	Share	GAE (£000s)
Aberdeen City	3.3%	8,450
Aberdeenshire	4.0%	10,429
Angus	1.8%	4,537
Argyll & Bute	1.8%	4,678
Clackmannanshire	1.0%	2,545
Dumfries & Galloway	2.5%	6,338
Dundee City	3.4%	8,834
East Ayrshire	1.9%	4,967
East Dunbartonshire	1.8%	4,775
East Lothian	1.9%	4,926
East Renfrewshire	1.4%	3,642
Edinburgh (City of)	7.1%	18,486
Eilean Siar	1.1%	2,765
Falkirk	2.7%	7,017
Fife	7.2%	18,568
Glasgow City	15.8%	40,772
Highland	3.9%	10,120
Inverclyde	2.0%	5,280
Midlothian	1.3%	3,355
Moray	1.7%	4,353
North Ayrshire	2.8%	7,341
North Lanarkshire	6.5%	16,826
Orkney Islands	0.9%	2,275
Perth & Kinross	2.4%	6,219
Renfrewshire	2.8%	7,128
Scottish Borders	1.8%	4,550
Shetland Islands	0.9%	2,419
South Ayrshire	1.8%	4,684
South Lanarkshire	6.2%	16,133
Stirling	1.4%	3,592
West Dunbartonshire	1.5%	3,780
West Lothian	3.4%	8,846
TOTAL	100.0%	258,629

Notes:
- Number of Current Income Deprived: the count of adults and their dependants in receipt of Income Support, Employment and Support Allowance, Job Seekers Allowance, Guaranteed Pension Credits, and Child and Working Tax Credits. SIMD 2016 Income Domain.
- A minimum allocation for each authority of £85,000 is required.

Annex 1: Population Adjustments

Base Year (2018/19)

RAW DATA - NRS Mid Year Estimates and All Adjustments

Local Authority	All Adjustments							
	Population	Sports Weighted Population	IN Commuters (WORKERS)	NET Commuters (WORKERS)	IN Commuters (STUDENTS)	NET Commuters (STUDENTS)	IPS Tourists	GBTS Tourists
Aberdeen City	229,840	229,749	48,932	36,424	6,941	6,194	1,301,290	1,951,667
Aberdeenshire	262,190	246,388	12,884	-34,322	720	-5,688	125,357	938,000
Angus	116,520	105,999	6,094	-11,633	758	-1,895	3,997	456,000
Argyll & Bute	87,130	77,787	7,092	1,751	313	-916	558,713	3,181,000
Clackmannanshire	51,350	48,205	3,681	-6,831	1,097	-231	0	128,667
Dumfries & Galloway	149,520	133,231	2,857	-1,727	206	-623	271,287	2,800,333
Dundee City	148,270	145,320	20,803	12,429	5,066	3,837	385,659	665,667
East Ayrshire	122,200	114,570	10,869	-8,533	988	-2,149	0	129,667
East Dunbartonshire	107,540	98,078	10,091	-18,783	2,537	-2,909	0	2,667
East Lothian	104,090	97,075	6,330	-14,429	2,593	5	87,408	760,333
East Renfrewshire	93,810	86,967	7,521	-18,912	2,573	-2,163	0	8,000
Edinburgh (City of)	507,170	509,557	91,104	65,772	10,653	6,298	8,008,316	5,792,667
Eilean Siar	26,900	23,765	248	-576	40	-50	196,067	663,000
Falkirk	159,380	151,012	13,828	-11,690	1,092	-1,965	296,818	598,000
Fife	370,330	347,529	13,171	-19,217	1,029	-2,831	1,222,904	1,545,667
Glasgow City	615,070	623,150	152,906	104,603	31,451	21,228	4,267,288	4,324,333
Highland	234,770	215,262	3,369	-2,050	301	-428	2,036,314	6,596,667
Inverclyde	79,160	73,565	6,046	-3,291	1,664	-107	0	192,667
Midlothian	88,610	83,925	10,858	-9,206	1,319	-1,134	21,059	54,000
Moray	96,070	89,127	2,616	-3,922	394	-262	231,699	819,667
North Ayrshire	135,890	125,541	9,614	-10,620	770	-2,386	51,653	1,025,667
North Lanarkshire	339,390	326,976	36,189	-20,383	3,579	-5,445	0	283,333
Orkney Islands	21,850	19,798	192	-170	35	-32	399,097	378,333
Perth & Kinross	150,680	137,134	9,632	-2,940	1,028	-1,187	605,506	2,121,000
Renfrewshire	175,930	166,662	30,121	-773	5,024	479	0	166,667
Scottish Borders	114,530	102,365	2,766	-5,728	316	-932	170,203	947,000
Shetland Islands	23,200	21,698	492	185	51	-58	370,741	626,667
South Ayrshire	112,470	101,000	12,912	787	2,639	935	325,886	954,667
South Lanarkshire	317,100	298,291	33,684	-23,240	3,994	-5,155	0	251,667
Stirling	93,750	89,858	18,026	5,953	3,444	1,605	407,456	1,206,333
West Dunbartonshire	89,860	85,437	10,381	-6,783	1,503	-1,207	13,209	128,333
West Lothian	180,130	174,217	21,486	-6,306	738	-2,839	31,640	313,333
TOTAL	5,404,700	5,149,237	28,947	-14,161	0	-2,011	21,389,569	40,011,667

Notes:

- National Records of Scotland (NRS) Mid-Year Estimates (MYE) 2016.
- Sports Weighted Population is NRS MYE weighted for sports hall and pool use, based on age banded population participating and visit frequency. (Source: SportScotland)
- Commuters: NRS Census 2011.
- IPS Tourists: Tourist nights taken from International Passenger Survey (average of 2014, 2015 and 2016 surveys). Source: Visit Britain
- GBTS Tourists: Average tourist nights taken from Great Britain Tourism Survey (average of 2014, 2015 and 2016 surveys). Source: Visit Scotland
- The total Scotland figures for IN and NET commuters represent Scotland as a whole rather than the sum of individual authorities - except for IN students where figures are not available due to differences in the England and Wales census. This exception will overstate the negative NET students for Scotland as a whole.

Annex 1: Population Adjustments

Base Year (2018/19)

Adjustments for ENVIRONMENTAL HEALTH & WASTE DISPOSAL GAEs

Weights				
365	79	50	1	1

Local Authority	Population	IN Commuters (WORKERS)	IN Commuters (STUDENTS)	IPS Tourist Nights	GBTS Tourist Nights	Adjusted Population	
						Days / 365	Days / 1,000
Aberdeen City	83,891,600	3,865,628	347,050	1,301,290	1,951,667	250,294	91,357
Aberdeenshire	95,699,350	1,017,836	36,000	125,357	938,000	267,991	97,817
Angus	42,529,800	481,426	37,900	3,997	456,000	119,203	43,509
Argyll & Bute	31,802,450	560,268	15,650	558,713	3,181,000	98,954	36,118
Clackmannanshire	18,742,750	290,799	54,850	0	128,667	52,649	19,217
Dumfries & Galloway	54,574,800	225,703	10,300	271,287	2,800,333	158,582	57,882
Dundee City	54,118,550	1,643,437	253,300	385,659	665,667	156,347	57,067
East Ayrshire	44,603,000	858,651	49,400	0	129,667	125,043	45,641
East Dunbartonshire	39,252,100	797,189	126,850	0	2,667	110,079	40,179
East Lothian	37,992,850	500,070	129,650	87,408	760,333	108,138	39,470
East Renfrewshire	34,240,650	594,159	128,650	0	8,000	95,812	34,971
Edinburgh (City of)	185,117,050	7,197,216	532,650	8,008,316	5,792,667	566,159	206,648
Eilean Siar	9,818,500	19,592	2,000	196,067	663,000	29,313	10,699
Falkirk	58,173,700	1,092,412	54,600	296,818	598,000	164,974	60,216
Fife	135,170,450	1,040,509	51,450	1,222,904	1,545,667	380,907	139,031
Glasgow City	224,500,550	12,079,574	1,572,550	4,267,288	4,324,333	676,012	246,744
Highland	85,691,050	266,151	15,050	2,036,314	6,596,667	259,192	94,605
Inverclyde	28,893,400	477,634	83,200	0	192,667	81,224	29,647
Midlothian	32,342,650	857,782	65,950	21,059	54,000	91,346	33,341
Moray	35,065,550	206,664	19,700	231,699	819,667	99,571	36,343
North Ayrshire	49,599,850	759,506	38,500	51,653	1,025,667	141,028	51,475
North Lanarkshire	123,877,350	2,858,931	178,950	0	283,333	348,489	127,199
Orkney Islands	7,975,250	15,168	1,750	399,097	378,333	24,026	8,770
Perth & Kinross	54,998,200	760,928	51,400	605,506	2,121,000	160,375	58,537
Renfrewshire	64,214,450	2,379,559	251,200	0	166,667	183,594	67,012
Scottish Borders	41,803,450	218,514	15,800	170,203	947,000	118,233	43,155
Shetland Islands	8,468,000	38,868	2,550	370,741	626,667	26,046	9,507
South Ayrshire	41,051,550	1,020,048	131,950	325,886	954,667	119,135	43,484
South Lanarkshire	115,741,500	2,661,036	199,700	0	251,667	325,627	118,854
Stirling	34,218,750	1,424,054	172,200	407,456	1,206,333	102,545	37,429
West Dunbartonshire	32,798,900	820,099	75,150	13,209	128,333	92,701	33,836
West Lothian	65,747,450	1,697,394	36,900	31,640	313,333	185,827	67,827
TOTAL	1,972,715,500	48,726,805	4,742,800	21,389,569	40,011,667	5,719,415	2,087,586

Notes:
 - Environment Health and Waste Disposal GAEs use NRS 2016 mid year population estimates adjusted for in commuters and tourists
 - the weight for worker commuters is calculated as 237 working days a year and 8 hours a day at work (i.e. (237/24)*8)=79)
 - the weight for students is calculated as 30 weeks college term time a year and 8 hours a day at college (i.e. ((30*5)/24)*8)=50)
 - Total Commuters is NOT commuters to Scotland as a whole but the SUM of commuters to individual authorities.

Annex 1: Population Adjustments

Base Year (2018/19)

Adjustments for STREET CLEANING GAE

Weights
365 79 50 1 1

Local Authority	Population	NET Commuters (WORKERS)	NET Commuters (STUDENTS)	IPS Tourist Nights	GBTS Tourist Nights	Adjusted Population	
						Days / 365	Days / 1,000
Aberdeen City	83,891,600	2,877,496	309,700	1,301,290	1,951,667	247,484	90,332
Aberdeenshire	95,699,350	-2,711,438	-284,400	125,357	938,000	256,896	93,767
Angus	42,529,800	-919,007	-94,750	3,997	456,000	115,003	41,976
Argyll & Bute	31,802,450	138,329	-45,800	558,713	3,181,000	97,629	35,635
Clackmannanshire	18,742,750	-539,649	-11,550	0	128,667	50,192	18,320
Dumfries & Galloway	54,574,800	-136,433	-31,150	271,287	2,800,333	157,476	57,479
Dundee City	54,118,550	981,891	191,850	385,659	665,667	154,366	56,344
East Ayrshire	44,603,000	-674,107	-107,450	0	129,667	120,414	43,951
East Dunbartonshire	39,252,100	-1,483,857	-145,450	0	2,667	103,083	37,625
East Lothian	37,992,850	-1,139,891	250	87,408	760,333	103,290	37,701
East Renfrewshire	34,240,650	-1,494,048	-108,150	0	8,000	89,442	32,646
Edinburgh (City of)	185,117,050	5,195,988	314,900	8,008,316	5,792,667	560,079	204,429
Eilean Siar	9,818,500	-45,504	-2,500	196,067	663,000	29,122	10,630
Falkirk	58,173,700	-923,510	-98,250	296,818	598,000	159,032	58,047
Fife	135,170,450	-1,518,143	-141,550	1,222,904	1,545,667	373,368	136,279
Glasgow City	224,500,550	8,263,637	1,061,400	4,267,288	4,324,333	664,157	242,417
Highland	85,691,050	-161,950	-21,400	2,036,314	6,596,667	257,920	94,141
Inverclyde	28,893,400	-259,989	-5,350	0	192,667	78,961	28,821
Midlothian	32,342,650	-727,274	-56,700	21,059	54,000	86,668	31,634
Moray	35,065,550	-309,838	-13,100	231,699	819,667	98,066	35,794
North Ayrshire	49,599,850	-838,980	-119,300	51,653	1,025,667	136,216	49,719
North Lanarkshire	123,877,350	-1,610,257	-272,250	0	283,333	335,009	122,278
Orkney Islands	7,975,250	-13,430	-1,600	399,097	378,333	23,939	8,738
Perth & Kinross	54,998,200	-232,260	-59,350	605,506	2,121,000	157,351	57,433
Renfrewshire	64,214,450	-61,067	23,950	0	166,667	176,285	64,344
Scottish Borders	41,803,450	-452,512	-46,600	170,203	947,000	116,223	42,422
Shetland Islands	8,468,000	14,615	-2,900	370,741	626,667	25,965	9,477
South Ayrshire	41,051,550	62,173	46,750	325,886	954,667	116,277	42,441
South Lanarkshire	115,741,500	-1,835,960	-257,750	0	251,667	312,053	113,899
Stirling	34,218,750	470,287	80,250	407,456	1,206,333	99,680	36,383
West Dunbartonshire	32,798,900	-535,857	-60,350	13,209	128,333	88,614	32,344
West Lothian	65,747,450	-498,174	-141,950	31,640	313,333	179,321	65,452
TOTAL	1,972,715,500	-1,118,719	-100,550	21,389,569	40,011,667	5,569,582	2,032,897

Notes:
 - Street Cleaning GAE uses NRS 2016 mid year population estimates adjusted for net commuters and tourists
 - the weight for worker commuters is calculated as 237 working days a year and 8 hours a day at work (i.e. (237/24)*8)=79)
 - the weight for students is calculated as 30 weeks college term time a year and 8 hours a day at college (i.e. ((30*5)/24)*8)=50)

Annex 1: Population Adjustments

Base Year (2018/19)					
Adjustments for LIBRARIES GAE					
Weights					
365 79 50					
Local Authority	Population	NET Commuters (WORKERS)	NET Commuters (STUDENTS)	Adjusted Population	
				Days / 365	Days / 1,000
Aberdeen City	83,891,600	2,877,496	309,700	238,572	87,079
Aberdeenshire	95,699,350	-2,711,438	-284,400	253,982	92,704
Angus	42,529,800	-919,007	-94,750	113,743	41,516
Argyll & Bute	31,802,450	138,329	-45,800	87,384	31,895
Clackmannanshire	18,742,750	-539,649	-11,550	49,840	18,192
Dumfries & Galloway	54,574,800	-136,433	-31,150	149,061	54,407
Dundee City	54,118,550	981,891	191,850	151,486	55,292
East Ayrshire	44,603,000	-674,107	-107,450	120,059	43,821
East Dunbartonshire	39,252,100	-1,483,857	-145,450	103,076	37,623
East Lothian	37,992,850	-1,139,891	250	100,968	36,853
East Renfrewshire	34,240,650	-1,494,048	-108,150	89,420	32,638
Edinburgh (City of)	185,117,050	5,195,988	314,900	522,268	190,628
Eilean Siar	9,818,500	-45,504	-2,500	26,768	9,770
Falkirk	58,173,700	-923,510	-98,250	156,581	57,152
Fife	135,170,450	-1,518,143	-141,550	365,783	133,511
Glasgow City	224,500,550	8,263,637	1,061,400	640,618	233,826
Highland	85,691,050	-161,950	-21,400	234,268	85,508
Inverclyde	28,893,400	-259,989	-5,350	78,433	28,628
Midlothian	32,342,650	-727,274	-56,700	86,462	31,559
Moray	35,065,550	-309,838	-13,100	95,185	34,743
North Ayrshire	49,599,850	-838,980	-119,300	133,265	48,642
North Lanarkshire	123,877,350	-1,610,257	-272,250	334,232	121,995
Orkney Islands	7,975,250	-13,430	-1,600	21,809	7,960
Perth & Kinross	54,998,200	-232,260	-59,350	149,881	54,707
Renfrewshire	64,214,450	-61,067	23,950	175,828	64,177
Scottish Borders	41,803,450	-452,512	-46,600	113,163	41,304
Shetland Islands	8,468,000	14,615	-2,900	23,232	8,480
South Ayrshire	41,051,550	62,173	46,750	112,768	41,160
South Lanarkshire	115,741,500	-1,835,960	-257,750	311,364	113,648
Stirling	34,218,750	470,287	80,250	95,258	34,769
West Dunbartonshire	32,798,900	-535,857	-60,350	88,227	32,203
West Lothian	65,747,450	-498,174	-141,950	178,376	65,107
TOTAL	1,972,715,500	-1,118,719	-100,550	5,401,360	1,971,496

Notes:
- Libraries GAE uses NRS 2016 mid year population estimates adjusted for net commuters only
- the weight for worker commuters is calculated as 237 working days a year and 8 hours a day at work (i.e. (237/24)*8)=79)
- the weight for students is calculated as 30 weeks college term time a year and 8 hours a day at college (i.e. ((30*5)/24)*8)=50)

Annex 1: Population Adjustments

Base Year (2018/19)

Adjustments for LEISURE & RECREATION: PARKS AND OPEN SPACES GAE and
LEISURE & RECREATION: REMAINDER GAE

Weights

365 48 30 1 1

Local Authority						Adjusted Population	
	Population	IN Commuters (WORKERS)	IN Commuters (STUDENTS)	IPS Tourist Nights	GBTS Tourist Nights	Days / 365	Days / 1,000
Aberdeen City	83,891,600	2,348,736	208,230	1,301,290	1,951,667	245,758	89,702
Aberdeenshire	95,699,350	618,432	21,600	125,357	938,000	266,857	97,403
Angus	42,529,800	292,512	22,740	3,997	456,000	118,644	43,305
Argyll & Bute	31,802,450	340,416	9,390	558,713	3,181,000	98,334	35,892
Clackmannanshire	18,742,750	176,688	32,910	0	128,667	52,277	19,081
Dumfries & Galloway	54,574,800	137,136	6,180	271,287	2,800,333	158,328	57,790
Dundee City	54,118,550	998,544	151,980	385,659	665,667	154,302	56,320
East Ayrshire	44,603,000	521,712	29,640	0	129,667	124,066	45,284
East Dunbartonshire	39,252,100	484,368	76,110	0	2,667	109,083	39,815
East Lothian	37,992,850	303,840	77,790	87,408	760,333	107,458	39,222
East Renfrewshire	34,240,650	361,008	77,190	0	8,000	95,032	34,687
Edinburgh (City of)	185,117,050	4,372,992	319,590	8,008,316	5,792,667	557,837	203,611
Eilean Siar	9,818,500	11,904	1,200	196,067	663,000	29,290	10,691
Falkirk	58,173,700	663,744	32,760	296,818	598,000	163,740	59,765
Fife	135,170,450	632,208	30,870	1,222,904	1,545,667	379,732	138,602
Glasgow City	224,500,550	7,339,488	943,530	4,267,288	4,324,333	661,302	241,375
Highland	85,691,050	161,712	9,030	2,036,314	6,596,667	258,890	94,495
Inverclyde	28,893,400	290,208	49,920	0	192,667	80,620	29,426
Midlothian	32,342,650	521,184	39,570	21,059	54,000	90,352	32,978
Moray	35,065,550	125,568	11,820	231,699	819,667	99,327	36,254
North Ayrshire	49,599,850	461,472	23,100	51,653	1,025,667	140,169	51,162
North Lanarkshire	123,877,350	1,737,072	107,370	0	283,333	345,220	126,005
Orkney Islands	7,975,250	9,216	1,050	399,097	378,333	24,008	8,763
Perth & Kinross	54,998,200	462,336	30,840	605,506	2,121,000	159,501	58,218
Renfrewshire	64,214,450	1,445,808	150,720	0	166,667	180,761	65,978
Scottish Borders	41,803,450	132,768	9,480	170,203	947,000	117,981	43,063
Shetland Islands	8,468,000	23,616	1,530	370,741	626,667	26,002	9,491
South Ayrshire	41,051,550	619,776	79,170	325,886	954,667	117,893	43,031
South Lanarkshire	115,741,500	1,616,832	119,820	0	251,667	322,547	117,730
Stirling	34,218,750	865,248	103,320	407,456	1,206,333	100,825	36,801
West Dunbartonshire	32,798,900	498,288	45,090	13,209	128,333	91,736	33,484
West Lothian	65,747,450	1,031,328	22,140	31,640	313,333	183,961	67,146
TOTAL	1,972,715,500	29,606,160	2,845,680	21,389,569	40,011,667	5,661,832	2,066,569

Notes

- Parks & Open Spaces and Leisure & Recreation: remainder GAEs use NRS 2016 mid year population estimates adjusted for in commuters and tourists
- the weight of 48 for worker commuters is rolled forward from previous settlement calculations
- the weight of 30 for student commuters is rolled forward from previous settlement calculations
- Total Commuters is NOT commuters to Scotland as a whole but the SUM of commuters to individual authorities.

Annex 1: Population Adjustments

Base Year (2018/19)

Adjustments for LEISURE & RECREATION: SPORT FACILITIES & SWIMMING POOLS GAE

Weights

365	48	30	1	1
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Local Authority	Sports Weighted Base Population	IN Commuters (WORKERS)	IN Commuters (STUDENTS)	IPS Tourist Nights	GBTS Tourist Nights	Adjusted Population	
						Days / 365	Days / 1,000
Aberdeen City	83,858,508	2,348,736	208,230	1,301,290	1,951,667	245,667	89,668
Aberdeenshire	89,931,686	618,432	21,600	125,357	938,000	251,055	91,635
Angus	38,689,695	292,512	22,740	3,997	456,000	108,123	39,465
Argyll & Bute	28,392,175	340,416	9,390	558,713	3,181,000	88,991	32,482
Clackmannanshire	17,594,755	176,688	32,910	0	128,667	49,132	17,933
Dumfries & Galloway	48,629,170	137,136	6,180	271,287	2,800,333	142,039	51,844
Dundee City	53,041,677	998,544	151,980	385,659	665,667	151,352	55,244
East Ayrshire	41,817,983	521,712	29,640	0	129,667	116,436	42,499
East Dunbartonshire	35,798,638	484,368	76,110	0	2,667	99,621	36,362
East Lothian	35,432,551	303,840	77,790	87,408	760,333	100,444	36,662
East Renfrewshire	31,742,840	361,008	77,190	0	8,000	88,189	32,189
Edinburgh (City of)	185,988,402	4,372,992	319,590	8,008,316	5,792,667	560,225	204,482
Eilean Siar	8,674,090	11,904	1,200	196,067	663,000	26,154	9,546
Falkirk	55,119,308	663,744	32,760	296,818	598,000	155,372	56,711
Fife	126,848,264	632,208	30,870	1,222,904	1,545,667	356,931	130,280
Glasgow City	227,449,930	7,339,488	943,530	4,267,288	4,324,333	669,382	244,325
Highland	78,570,541	161,712	9,030	2,036,314	6,596,667	239,382	87,374
Inverclyde	26,851,145	290,208	49,920	0	192,667	75,024	27,384
Midlothian	30,632,538	521,184	39,570	21,059	54,000	85,667	31,268
Moray	32,531,284	125,568	11,820	231,699	819,667	92,384	33,720
North Ayrshire	45,822,336	461,472	23,100	51,653	1,025,667	129,820	47,384
North Lanarkshire	119,346,316	1,737,072	107,370	0	283,333	332,806	121,474
Orkney Islands	7,226,380	9,216	1,050	399,097	378,333	21,956	8,014
Perth & Kinross	50,053,813	462,336	30,840	605,506	2,121,000	145,955	53,273
Renfrewshire	60,831,716	1,445,808	150,720	0	166,667	171,493	62,595
Scottish Borders	37,363,061	132,768	9,480	170,203	947,000	105,815	38,623
Shetland Islands	7,919,733	23,616	1,530	370,741	626,667	24,499	8,942
South Ayrshire	36,865,175	619,776	79,170	325,886	954,667	106,424	38,845
South Lanarkshire	108,876,078	1,616,832	119,820	0	251,667	303,738	110,864
Stirling	32,798,037	865,248	103,320	407,456	1,206,333	96,933	35,380
West Dunbartonshire	31,184,541	498,288	45,090	13,209	128,333	87,314	31,869
West Lothian	63,589,141	1,031,328	22,140	31,640	313,333	178,048	64,988
TOTAL	1,879,471,505	29,606,160	2,845,680	21,389,569	40,011,667	5,406,369	1,973,325

Notes:

- Sport facilities and swimming pools GAE uses sports hall and pool use weighted NRS 2016 mid year population estimates adjusted for in commuters and tourists
- the weight of 48 for worker commuters is rolled forward from previous settlement calculations
- the weight of 30 for student commuters is rolled forward from previous settlement calculations
- Total Commuters is NOT commuters to Scotland as a whole but the SUM of commuters to individual authorities.

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 1: Construction of Standardised Mortality Ratios

Local Authority	Total Population 2014-2016						All Deaths 2014-2016					
	Number						Number					
	65-69	70-74	75-79	80-84	(65-74)	(75-84)	65-69	70-74	75-79	80-84	(65-74)	(75-84)
Aberdeen City	32,501	22,667	19,548	15,124	55,168	34,672	566	562	751	1,093	1,128	1,844
Aberdeenshire	47,911	33,205	25,467	17,707	81,116	43,174	571	699	934	1,175	1,270	2,109
Angus	24,866	18,428	14,535	10,595	43,294	25,130	341	401	531	667	742	1,198
Argyll & Bute	20,484	15,697	12,174	8,368	36,181	20,542	264	330	477	565	594	1,042
Clackmannanshire	10,000	7,372	5,325	3,319	17,372	8,644	144	194	221	255	338	476
Dumfries & Galloway	33,717	26,851	20,818	15,080	60,568	35,898	471	583	779	1,021	1,054	1,800
Dundee City	23,277	16,949	15,112	11,729	40,226	26,841	418	448	669	821	866	1,490
East Ayrshire	23,131	17,249	13,452	9,310	40,380	22,762	380	503	574	807	883	1,381
East Dunbartonshire	20,428	15,982	13,804	10,064	36,410	23,868	210	301	456	548	511	1,004
East Lothian	18,618	14,394	11,298	8,308	33,012	19,606	220	310	384	558	530	942
East Renfrewshire	15,861	12,323	10,414	8,070	28,184	18,484	184	243	347	431	427	778
Edinburgh (City of)	68,809	49,179	41,744	32,790	117,988	74,534	918	1,096	1,568	2,028	2,014	3,596
Eilean Siar	6,095	4,570	3,770	2,652	10,665	6,422	92	110	144	151	202	295
Falkirk	28,014	20,439	16,677	11,258	48,453	27,935	399	551	708	820	950	1,528
Fife	70,901	52,624	40,388	28,058	123,525	68,446	1,022	1,231	1,504	1,954	2,253	3,458
Glasgow City	75,794	56,965	49,279	37,208	132,759	86,487	1,701	1,987	2,543	3,040	3,688	5,583
Highland	47,771	35,987	26,811	19,593	83,758	46,404	617	755	922	1,182	1,372	2,104
Inverclyde	14,647	11,361	9,187	6,643	26,008	15,830	253	312	426	464	565	890
Midlothian	16,219	11,743	8,920	6,117	27,962	15,037	225	280	336	455	505	791
Moray	18,209	14,142	10,995	7,991	32,351	18,986	261	309	428	502	570	930
North Ayrshire	27,933	21,557	16,384	11,466	49,490	27,850	427	574	723	811	1,001	1,534
North Lanarkshire	54,886	41,308	32,745	22,033	96,194	54,778	1,006	1,234	1,553	1,749	2,240	3,302
Orkney Islands	4,518	3,763	2,790	1,769	8,281	4,559	42	74	86	96	116	182
Perth & Kinross	30,579	23,234	18,840	13,914	53,813	32,754	374	451	620	791	825	1,411
Renfrewshire	30,207	23,129	18,856	13,340	53,336	32,196	478	651	879	1,022	1,129	1,901
Scottish Borders	25,970	19,334	15,200	10,528	45,304	25,728	310	398	526	709	708	1,235
Shetland Islands	4,241	3,300	2,379	1,588	7,541	3,967	57	63	93	123	120	216
South Ayrshire	24,683	19,619	15,328	10,940	44,302	26,268	327	473	581	711	800	1,292
South Lanarkshire	55,522	42,551	33,545	24,006	98,073	57,551	823	1,115	1,480	1,725	1,938	3,205
Stirling	16,118	12,419	10,078	7,016	28,537	17,094	215	264	385	488	479	873
West Dunbartonshire	15,483	11,344	9,114	6,477	26,827	15,591	273	352	451	530	625	981
West Lothian	28,663	21,295	15,852	10,141	49,958	25,993	423	539	682	730	962	1,412
TOTAL	936,056	700,980	560,829	403,202	1,637,036	964,031	14,012	17,393	22,761	28,022	31,405	50,783

Source: NRS 2014, 2015 & 2016 Mid Year Population Estimates

Source: NRS Vital Events Reference Tables 2014, 2015 & 2016

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 1: Construction of Standardised Mortality Ratios (continued)

Local Authority	Death Rate 2014-2016						Standardised Mortality Ratios					
	65-69	70-74	75-79	80-84	(65-74)	(75-84)	65-69	70-74	75-79	80-84	(65-74)	(75-84)
Aberdeen City	0.0174	0.0248	0.0384	0.0723	0.0204	0.0532	1.1634	0.9992	0.9466	1.0399	1.0658	1.0096
Aberdeenshire	0.0119	0.0211	0.0367	0.0664	0.0157	0.0488	0.7962	0.8484	0.9037	0.9548	0.8161	0.9273
Angus	0.0137	0.0218	0.0365	0.0630	0.0171	0.0477	0.9161	0.8770	0.9002	0.9058	0.8934	0.9050
Argyll & Bute	0.0129	0.0210	0.0392	0.0675	0.0164	0.0507	0.8610	0.8473	0.9654	0.9715	0.8558	0.9629
Clackmannanshire	0.0144	0.0263	0.0415	0.0768	0.0195	0.0551	0.9620	1.0606	1.0226	1.1055	1.0142	1.0454
Dumfries & Galloway	0.0140	0.0217	0.0374	0.0677	0.0174	0.0501	0.9332	0.8751	0.9220	0.9742	0.9071	0.9519
Dundee City	0.0180	0.0264	0.0443	0.0700	0.0215	0.0555	1.1996	1.0653	1.0908	1.0072	1.1222	1.0538
East Ayrshire	0.0164	0.0292	0.0427	0.0867	0.0219	0.0607	1.0975	1.1753	1.0514	1.2472	1.1399	1.1517
East Dunbartonshire	0.0103	0.0188	0.0330	0.0545	0.0140	0.0421	0.6867	0.7590	0.8140	0.7835	0.7316	0.7985
East Lothian	0.0118	0.0215	0.0340	0.0672	0.0161	0.0480	0.7894	0.8680	0.8375	0.9664	0.8369	0.9121
East Renfrewshire	0.0116	0.0197	0.0333	0.0534	0.0152	0.0421	0.7750	0.7947	0.8210	0.7685	0.7897	0.7990
Edinburgh (City of)	0.0133	0.0223	0.0376	0.0618	0.0171	0.0482	0.8912	0.8982	0.9255	0.8899	0.8898	0.9159
Eilean Siar	0.0151	0.0241	0.0382	0.0569	0.0189	0.0459	1.0084	0.9701	0.9412	0.8193	0.9873	0.8720
Falkirk	0.0142	0.0270	0.0425	0.0728	0.0196	0.0547	0.9515	1.0865	1.0461	1.0480	1.0220	1.0384
Fife	0.0144	0.0234	0.0372	0.0696	0.0182	0.0505	0.9629	0.9428	0.9176	1.0021	0.9507	0.9591
Glasgow City	0.0224	0.0349	0.0516	0.0817	0.0278	0.0646	1.4992	1.4058	1.2715	1.1756	1.4481	1.2254
Highland	0.0129	0.0210	0.0344	0.0603	0.0164	0.0453	0.8628	0.8455	0.8473	0.8680	0.8539	0.8607
Inverclyde	0.0173	0.0275	0.0464	0.0698	0.0217	0.0562	1.1539	1.1068	1.1425	1.0050	1.1324	1.0673
Midlothian	0.0139	0.0238	0.0377	0.0744	0.0181	0.0526	0.9267	0.9610	0.9281	1.0703	0.9414	0.9986
Moray	0.0143	0.0218	0.0389	0.0628	0.0176	0.0490	0.9575	0.8806	0.9592	0.9039	0.9184	0.9299
North Ayrshire	0.0153	0.0266	0.0441	0.0707	0.0202	0.0551	1.0212	1.0731	1.0873	1.0177	1.0543	1.0456
North Lanarkshire	0.0183	0.0299	0.0474	0.0794	0.0233	0.0603	1.2244	1.2040	1.1686	1.1422	1.2138	1.1443
Orkney Islands	0.0093	0.0197	0.0308	0.0543	0.0140	0.0399	0.6210	0.7926	0.7595	0.7808	0.7302	0.7578
Perth & Kinross	0.0122	0.0194	0.0329	0.0568	0.0153	0.0431	0.8171	0.7823	0.8109	0.8180	0.7991	0.8178
Renfrewshire	0.0158	0.0281	0.0466	0.0766	0.0212	0.0590	1.0571	1.1344	1.1486	1.1023	1.1034	1.1209
Scottish Borders	0.0119	0.0206	0.0346	0.0673	0.0156	0.0480	0.7974	0.8296	0.8527	0.9690	0.8146	0.9112
Shetland Islands	0.0134	0.0191	0.0391	0.0775	0.0159	0.0544	0.8979	0.7694	0.9632	1.1145	0.8295	1.0336
South Ayrshire	0.0132	0.0241	0.0379	0.0650	0.0181	0.0492	0.8850	0.9717	0.9340	0.9351	0.9413	0.9337
South Lanarkshire	0.0148	0.0262	0.0441	0.0719	0.0198	0.0557	0.9902	1.0561	1.0871	1.0339	1.0301	1.0572
Stirling	0.0133	0.0213	0.0382	0.0696	0.0168	0.0511	0.8911	0.8567	0.9413	1.0008	0.8750	0.9695
West Dunbartonshire	0.0176	0.0310	0.0495	0.0818	0.0233	0.0629	1.1779	1.2506	1.2193	1.1774	1.2144	1.1944
West Lothian	0.0148	0.0253	0.0430	0.0720	0.0193	0.0543	0.9859	1.0201	1.0601	1.0358	1.0038	1.0312
TOTAL	0.0150	0.0248	0.0406	0.0695	0.0192	0.0527	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Notes:
- Death Rate = Number of Deaths / Population

Notes:
- Standardised Mortality Ratio = Death Rate for Local Authority / Death Rate for Scotland

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 2: Construction of Limiting Long Term Illness Index

Local Authority	2011 Census Day Population									2011 Census Day - People Reporting Limiting Long Term Illness								
	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)
Aberdeen City	8,526	7,716	6,694	4,986	2,792	1,317	16,242	11,680	4,109	2,873	3,224	3,588	3,325	2,218	1,148	6,097	6,913	3,366
Aberdeenshire	12,615	9,956	7,772	5,429	3,325	1,566	22,571	13,201	4,891	3,851	3,874	3,879	3,417	2,548	1,340	7,725	7,296	3,888
Angus	6,694	5,587	4,582	3,293	1,963	942	12,281	7,875	2,905	2,139	2,190	2,327	2,125	1,535	837	4,329	4,452	2,372
Argyll & Bute	5,913	4,848	3,692	2,551	1,534	798	10,761	6,243	2,332	1,927	1,931	1,891	1,693	1,177	717	3,858	3,584	1,894
Clackmannanshire	2,759	2,115	1,491	1,034	566	247	4,874	2,525	813	1,141	1,014	882	698	446	214	2,155	1,580	660
Dumfries & Galloway	9,843	8,154	6,622	4,635	2,582	1,214	17,997	11,257	3,796	3,583	3,616	3,653	3,183	2,076	1,067	7,199	6,836	3,143
Dundee City	6,367	5,985	5,229	3,790	2,249	977	12,352	9,019	3,226	2,491	2,810	3,016	2,543	1,809	835	5,301	5,559	2,644
East Ayrshire	6,522	5,393	4,297	2,807	1,519	769	11,915	7,104	2,288	2,794	2,870	2,722	2,063	1,250	702	5,664	4,785	1,952
East Dunbartonshire	5,797	5,180	4,273	2,927	1,579	672	10,977	7,200	2,251	1,749	1,981	2,156	1,921	1,223	572	3,730	4,077	1,795
East Lothian	5,198	4,297	3,535	2,526	1,483	724	9,495	6,061	2,207	1,771	1,825	1,853	1,675	1,201	639	3,596	3,528	1,840
East Renfrewshire	4,451	3,914	3,360	2,400	1,444	711	8,365	5,760	2,155	1,247	1,449	1,592	1,543	1,126	623	2,696	3,135	1,749
Edinburgh (City of)	18,127	15,954	13,783	10,745	6,579	3,299	34,081	24,528	9,878	5,825	6,361	6,956	6,948	5,122	2,921	12,186	13,904	8,043
Eilean Siar	1,700	1,497	1,147	840	539	246	3,197	1,987	785	587	623	655	595	441	227	1,210	1,250	668
Falkirk	7,551	6,500	5,060	3,397	1,925	863	14,051	8,457	2,788	3,038	3,240	2,940	2,375	1,558	765	6,278	5,315	2,323
Fife	19,529	15,652	12,425	8,730	5,188	2,547	35,181	21,155	7,735	7,341	7,127	7,002	6,143	4,186	2,265	14,468	13,145	6,451
Glasgow City	22,139	20,271	17,346	12,051	7,022	3,336	42,410	29,397	10,358	11,305	11,955	11,650	8,968	5,867	2,978	23,260	20,618	8,845
Highland	13,274	10,589	8,376	5,785	3,378	1,638	23,863	14,161	5,016	4,273	4,281	4,292	3,727	2,621	1,443	8,554	8,019	4,064
Inverclyde	4,281	3,635	3,017	2,086	1,159	598	7,916	5,103	1,757	1,798	1,765	1,797	1,463	943	527	3,563	3,260	1,470
Midlothian	4,335	3,495	2,774	1,829	998	472	7,830	4,603	1,470	1,604	1,626	1,551	1,273	819	427	3,230	2,824	1,246
Moray	5,105	4,276	3,510	2,375	1,292	664	9,381	5,885	1,956	1,602	1,714	1,763	1,560	1,026	576	3,316	3,323	1,602
North Ayrshire	7,973	6,610	5,102	3,341	1,897	975	14,583	8,443	2,872	3,171	3,293	3,045	2,356	1,553	872	6,464	5,401	2,425
North Lanarkshire	15,681	13,245	10,104	6,604	3,299	1,450	28,926	16,708	4,749	7,346	7,357	6,691	5,091	2,806	1,310	14,703	11,782	4,116
Orkney Islands	1,346	1,092	733	569	305	174	2,438	1,302	479	464	489	394	397	238	153	953	791	391
Perth & Kinross	8,452	7,180	5,799	4,375	2,547	1,210	15,632	10,174	3,757	2,479	2,668	2,754	2,788	1,952	1,062	5,147	5,542	3,014
Renfrewshire	8,678	7,469	5,942	4,037	2,232	1,121	16,147	9,979	3,353	3,446	3,497	3,552	2,816	1,813	1,006	6,943	6,368	2,819
Scottish Borders	7,051	5,900	4,568	3,331	2,004	965	12,951	7,899	2,969	2,055	2,189	2,243	2,096	1,552	839	4,244	4,339	2,391
Shetland Islands	1,230	913	687	491	296	160	2,143	1,178	456	408	363	385	350	250	138	771	735	388
South Ayrshire	7,155	5,882	4,848	3,307	2,070	998	13,037	8,155	3,068	2,522	2,540	2,673	2,235	1,684	903	5,062	4,908	2,587
South Lanarkshire	15,902	13,317	10,633	7,304	3,936	1,851	29,219	17,937	5,787	6,420	6,587	6,400	5,309	3,249	1,636	13,007	11,709	4,885
Stirling	4,616	3,925	3,096	2,065	1,203	628	8,541	5,161	1,831	1,541	1,657	1,659	1,404	939	563	3,198	3,063	1,502
West Dunbartonshire	4,354	3,708	3,047	2,076	1,123	608	8,062	5,123	1,731	1,914	1,981	1,939	1,524	923	544	3,895	3,463	1,467
West Lothian	8,034	6,339	4,570	2,809	1,479	656	14,373	7,379	2,135	3,316	3,182	2,807	2,066	1,238	590	6,498	4,873	1,828
TOTAL	261,198	220,594	178,114	124,525	71,507	34,396	481,792	302,639	105,903	98,021	101,279	100,707	85,670	57,389	30,439	199,300	186,377	87,828

Source: NRS 2011 Census of Population

Source: NRS 2011 Census of Population

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 2: Construction of Limiting Long Term Illness Index (continued)

Local Authority	Rate									2011 Census Day - Long Term Limiting Illness Index								
	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)
Aberdeen City	0.3370	0.4178	0.5360	0.6669	0.7944	0.8717	0.3754	0.5919	0.8192	0.8979	0.9101	0.9480	0.9693	0.9898	0.9850	0.9075	0.9611	0.9878
Aberdeenshire	0.3053	0.3891	0.4991	0.6294	0.7663	0.8557	0.3423	0.5527	0.7949	0.8135	0.8475	0.8827	0.9149	0.9548	0.9669	0.8274	0.8975	0.9585
Angus	0.3195	0.3920	0.5079	0.6453	0.7820	0.8885	0.3525	0.5653	0.8165	0.8515	0.8538	0.8982	0.9380	0.9743	1.0040	0.8521	0.9180	0.9846
Argyll & Bute	0.3259	0.3983	0.5122	0.6637	0.7673	0.8985	0.3585	0.5741	0.8122	0.8684	0.8675	0.9059	0.9647	0.9560	1.0153	0.8667	0.9322	0.9793
Clackmannanshire	0.4136	0.4794	0.5915	0.6750	0.7880	0.8664	0.4421	0.6257	0.8118	1.1020	1.0442	1.0462	0.9812	0.9818	0.9790	1.0688	1.0161	0.9789
Dumfries & Galloway	0.3640	0.4435	0.5516	0.6867	0.8040	0.8789	0.4000	0.6073	0.8280	0.9700	0.9659	0.9757	0.9982	1.0018	0.9932	0.9670	0.9861	0.9984
Dundee City	0.3912	0.4695	0.5768	0.6710	0.8044	0.8547	0.4292	0.6164	0.8196	1.0425	1.0226	1.0201	0.9753	1.0022	0.9658	1.0375	1.0009	0.9883
East Ayrshire	0.4284	0.5322	0.6335	0.7349	0.8229	0.9129	0.4754	0.6736	0.8531	1.1416	1.1591	1.1204	1.0683	1.0254	1.0315	1.1492	1.0937	1.0287
East Dunbartonshire	0.3017	0.3824	0.5046	0.6563	0.7745	0.8512	0.3398	0.5663	0.7974	0.8040	0.8330	0.8924	0.9540	0.9651	0.9618	0.8214	0.9195	0.9615
East Lothian	0.3407	0.4247	0.5242	0.6631	0.8098	0.8826	0.3787	0.5821	0.8337	0.9079	0.9251	0.9271	0.9638	1.0091	0.9973	0.9155	0.9452	1.0053
East Renfrewshire	0.2802	0.3702	0.4738	0.6429	0.7798	0.8762	0.3223	0.5443	0.8116	0.7466	0.8063	0.8380	0.9345	0.9716	0.9901	0.7791	0.8838	0.9786
Edinburgh (City of)	0.3213	0.3987	0.5047	0.6466	0.7785	0.8854	0.3576	0.5669	0.8142	0.8563	0.8684	0.8926	0.9399	0.9701	1.0005	0.8644	0.9205	0.9818
Eilean Siar	0.3453	0.4162	0.5711	0.7083	0.8182	0.9228	0.3785	0.6291	0.8510	0.9201	0.9064	1.0100	1.0296	1.0195	1.0427	0.9149	1.0215	1.0261
Falkirk	0.4023	0.4985	0.5810	0.6991	0.8094	0.8864	0.4468	0.6285	0.8332	1.0721	1.0857	1.0276	1.0162	1.0085	1.0017	1.0801	1.0205	1.0047
Fife	0.3759	0.4553	0.5635	0.7037	0.8069	0.8893	0.4112	0.6214	0.8340	1.0017	0.9918	0.9967	1.0228	1.0054	1.0049	0.9942	1.0090	1.0056
Glasgow City	0.5106	0.5898	0.6716	0.7442	0.8355	0.8927	0.5485	0.7014	0.8539	1.3607	1.2845	1.1879	1.0817	1.0411	1.0087	1.3258	1.1389	1.0297
Highland	0.3219	0.4043	0.5124	0.6443	0.7759	0.8810	0.3585	0.5663	0.8102	0.8578	0.8806	0.9063	0.9364	0.9668	0.9955	0.8666	0.9195	0.9769
Inverclyde	0.4200	0.4856	0.5956	0.7013	0.8136	0.8813	0.4501	0.6388	0.8367	1.1192	1.0576	1.0534	1.0194	1.0138	0.9958	1.0881	1.0373	1.0088
Midlothian	0.3700	0.4652	0.5591	0.6960	0.8206	0.9047	0.4125	0.6135	0.8476	0.9860	1.0133	0.9889	1.0117	1.0225	1.0223	0.9972	0.9962	1.0221
Moray	0.3138	0.4008	0.5023	0.6568	0.7941	0.8675	0.3535	0.5647	0.8190	0.8362	0.8731	0.8883	0.9547	0.9895	0.9802	0.8545	0.9169	0.9876
North Ayrshire	0.3977	0.4982	0.5968	0.7052	0.8187	0.8944	0.4433	0.6397	0.8444	1.0598	1.0851	1.0556	1.0250	1.0201	1.0106	1.0715	1.0387	1.0181
North Lanarkshire	0.4685	0.5555	0.6622	0.7709	0.8506	0.9034	0.5083	0.7052	0.8667	1.2483	1.2098	1.1712	1.1205	1.0598	1.0209	1.2288	1.1451	1.0451
Orkney Islands	0.3447	0.4478	0.5375	0.6977	0.7803	0.8793	0.3909	0.6075	0.8163	0.9186	0.9754	0.9507	1.0142	0.9723	0.9936	0.9450	0.9865	0.9843
Perth & Kinross	0.2933	0.3716	0.4749	0.6373	0.7664	0.8777	0.3293	0.5447	0.8022	0.7816	0.8093	0.8399	0.9263	0.9549	0.9918	0.7960	0.8845	0.9673
Renfrewshire	0.3971	0.4682	0.5978	0.6975	0.8123	0.8974	0.4300	0.6381	0.8407	1.0581	1.0198	1.0573	1.0139	1.0121	1.0141	1.0395	1.0362	1.0138
Scottish Borders	0.2914	0.3710	0.4910	0.6292	0.7745	0.8694	0.3277	0.5493	0.8053	0.7766	0.8081	0.8684	0.9146	0.9650	0.9825	0.7922	0.8920	0.9711
Shetland Islands	0.3317	0.3976	0.5604	0.7128	0.8446	0.8625	0.3598	0.6239	0.8509	0.8839	0.8660	0.9912	1.0361	1.0524	0.9746	0.8697	1.0132	1.0260
South Ayrshire	0.3525	0.4318	0.5514	0.6758	0.8135	0.9048	0.3883	0.6018	0.8432	0.9393	0.9406	0.9752	0.9824	1.0137	1.0224	0.9386	0.9773	1.0168
South Lanarkshire	0.4037	0.4946	0.6019	0.7269	0.8255	0.8838	0.4452	0.6528	0.8441	1.0758	1.0773	1.0645	1.0565	1.0285	0.9987	1.0761	1.0600	1.0179
Stirling	0.3338	0.4222	0.5359	0.6799	0.7805	0.8965	0.3744	0.5935	0.8203	0.8896	0.9195	0.9477	0.9883	0.9726	1.0130	0.9052	0.9637	0.9891
West Dunbartonshire	0.4396	0.5343	0.6364	0.7341	0.8219	0.8947	0.4831	0.6760	0.8475	1.1714	1.1636	1.1255	1.0671	1.0241	1.0111	1.1679	1.0976	1.0219
West Lothian	0.4127	0.5020	0.6142	0.7355	0.8371	0.8994	0.4521	0.6604	0.8562	1.0998	1.0933	1.0863	1.0691	1.0430	1.0163	1.0929	1.0723	1.0324
TOTAL	0.3753	0.4591	0.5654	0.6880	0.8026	0.8850	0.4137	0.6158	0.8293	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Notes:
- Limiting Long-Term Illness Rate = Number Reporting LLTI / Population

Notes:
- Limiting Long-Term Illness Index = LLTI Rate for LA / LLTI Rate for Scotland

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 3: Construction of Living Alone Index

Local Authority	2011 Census Day Population									2011 Census Day - Number of People Living Alone								
	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)
	Number									Number								
Aberdeen City	8,526	7,716	6,694	4,986	2,792	1,317	16,242	11,680	4,109	2,231	2,295	2,482	2,368	1,471	673	4,526	4,850	2,144
Aberdeenshire	12,615	9,956	7,772	5,429	3,325	1,566	22,571	13,201	4,891	2,373	2,493	2,590	2,437	1,711	801	4,866	5,027	2,512
Angus	6,694	5,587	4,582	3,293	1,963	942	12,281	7,875	2,905	1,369	1,480	1,595	1,507	1,017	459	2,849	3,102	1,476
Argyll & Bute	5,913	4,848	3,692	2,551	1,534	798	10,761	6,243	2,332	1,427	1,451	1,350	1,162	804	421	2,878	2,512	1,225
Clackmannanshire	2,759	2,115	1,491	1,034	566	247	4,874	2,525	813	623	619	558	492	351	149	1,242	1,050	500
Dumfries & Galloway	9,843	8,154	6,622	4,635	2,582	1,214	17,997	11,257	3,796	2,093	2,187	2,316	2,126	1,359	618	4,280	4,442	1,977
Dundee City	6,367	5,985	5,229	3,790	2,249	977	12,352	9,019	3,226	1,943	2,058	2,180	1,881	1,271	525	4,001	4,061	1,796
East Ayrshire	6,522	5,393	4,297	2,807	1,519	769	11,915	7,104	2,288	1,445	1,485	1,624	1,317	830	435	2,930	2,941	1,265
East Dunbartonshire	5,797	5,180	4,273	2,927	1,579	672	10,977	7,200	2,251	1,089	1,234	1,395	1,249	840	359	2,323	2,644	1,199
East Lothian	5,198	4,297	3,535	2,526	1,483	724	9,495	6,061	2,207	1,110	1,171	1,276	1,113	769	399	2,281	2,389	1,168
East Renfrewshire	4,451	3,914	3,360	2,400	1,444	711	8,365	5,760	2,155	935	1,007	1,219	1,111	755	396	1,942	2,330	1,151
Edinburgh (City of)	18,127	15,954	13,783	10,745	6,579	3,299	34,081	24,528	9,878	5,329	5,171	5,410	5,203	3,551	1,725	10,500	10,613	5,276
Eilean Siar	1,700	1,497	1,147	840	539	246	3,197	1,987	785	441	476	429	389	246	102	917	818	348
Falkirk	7,551	6,500	5,060	3,397	1,925	863	14,051	8,457	2,788	1,721	1,834	1,881	1,613	1,100	453	3,555	3,494	1,553
Fife	19,529	15,652	12,425	8,730	5,188	2,547	35,181	21,155	7,735	4,316	4,331	4,351	4,131	2,760	1,318	8,647	8,482	4,078
Glasgow City	22,139	20,271	17,346	12,051	7,022	3,336	42,410	29,397	10,358	8,339	8,301	8,003	6,194	3,939	1,732	16,640	14,197	5,671
Highland	13,274	10,589	8,376	5,785	3,378	1,638	23,863	14,161	5,016	2,931	2,980	2,884	2,591	1,617	749	5,911	5,475	2,366
Inverclyde	4,281	3,635	3,017	2,086	1,159	598	7,916	5,103	1,757	1,209	1,211	1,205	1,108	626	313	2,420	2,313	939
Midlothian	4,335	3,495	2,774	1,829	998	472	7,830	4,603	1,470	881	867	946	802	503	233	1,748	1,748	736
Moray	5,105	4,276	3,510	2,375	1,292	664	9,381	5,885	1,956	1,097	1,099	1,226	1,079	652	327	2,196	2,305	979
North Ayrshire	7,973	6,610	5,102	3,341	1,897	975	14,583	8,443	2,872	1,969	1,970	2,020	1,572	991	505	3,939	3,592	1,496
North Lanarkshire	15,681	13,245	10,104	6,604	3,299	1,450	28,926	16,708	4,749	4,006	4,071	3,896	3,232	1,818	749	8,077	7,128	2,567
Orkney Islands	1,346	1,092	733	569	305	174	2,438	1,302	479	333	317	275	249	182	90	650	524	272
Perth & Kinross	8,452	7,180	5,799	4,375	2,547	1,210	15,632	10,174	3,757	1,797	1,840	1,971	1,926	1,273	597	3,637	3,897	1,870
Renfrewshire	8,678	7,469	5,942	4,037	2,232	1,121	16,147	9,979	3,353	2,299	2,394	2,377	1,902	1,246	577	4,693	4,279	1,823
Scottish Borders	7,051	5,900	4,568	3,331	2,004	965	12,951	7,899	2,969	1,550	1,554	1,676	1,533	1,144	532	3,104	3,209	1,676
Shetland Islands	1,230	913	687	491	296	160	2,143	1,178	456	282	253	224	204	141	77	535	428	218
South Ayrshire	7,155	5,882	4,848	3,307	2,070	998	13,037	8,155	3,068	1,631	1,579	1,746	1,495	1,083	515	3,210	3,241	1,598
South Lanarkshire	15,902	13,317	10,633	7,304	3,936	1,851	29,219	17,937	5,787	3,764	3,688	4,069	3,472	2,099	844	7,452	7,541	2,943
Stirling	4,616	3,925	3,096	2,065	1,203	628	8,541	5,161	1,831	994	1,007	1,029	915	653	301	2,001	1,944	954
West Dunbartonshire	4,354	3,708	3,047	2,076	1,123	608	8,062	5,123	1,731	1,253	1,298	1,221	1,030	628	334	2,551	2,251	962
West Lothian	8,034	6,339	4,570	2,809	1,479	656	14,373	7,379	2,135	1,831	1,818	1,732	1,300	793	327	3,649	3,032	1,120
TOTAL	261,198	220,594	178,114	124,525	71,507	34,396	481,792	302,639	105,903	64,611	65,539	67,156	58,703	38,223	17,635	130,150	125,859	55,858

Source: NRS 2011 Census of Population

Source: NRS 2011 Census of Population

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 3: Construction of Living Alone Index (continued)

Local Authority	Rate									2011 Census Day - Living Alone Index								
	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)	65-69	70-74	75-79	80-84	85-89	90+	(65-74)	(75-84)	(85+)
Aberdeen City	0.2617	0.2974	0.3708	0.4749	0.5269	0.5110	0.2787	0.4152	0.5218	1.0578	1.0011	0.9834	1.0075	0.9856	0.9967	1.0316	0.9985	0.9893
Aberdeenshire	0.1881	0.2504	0.3332	0.4489	0.5146	0.5115	0.2156	0.3808	0.5136	0.7605	0.8428	0.8839	0.9522	0.9627	0.9976	0.7981	0.9157	0.9737
Angus	0.2045	0.2649	0.3481	0.4576	0.5181	0.4873	0.2320	0.3939	0.5081	0.8268	0.8916	0.9232	0.9708	0.9692	0.9504	0.8588	0.9472	0.9633
Argyll & Bute	0.2413	0.2993	0.3657	0.4555	0.5241	0.5276	0.2674	0.4024	0.5253	0.9756	1.0074	0.9698	0.9663	0.9805	1.0290	0.9900	0.9675	0.9959
Clackmannanshire	0.2258	0.2927	0.3742	0.4758	0.6201	0.6032	0.2548	0.4158	0.6150	0.9129	0.9851	0.9926	1.0093	1.1602	1.1766	0.9433	0.9999	1.1660
Dumfries & Galloway	0.2126	0.2682	0.3497	0.4587	0.5263	0.5091	0.2378	0.3946	0.5208	0.8596	0.9028	0.9276	0.9730	0.9847	0.9929	0.8804	0.9488	0.9874
Dundee City	0.3052	0.3439	0.4169	0.4963	0.5651	0.5374	0.3239	0.4503	0.5567	1.2337	1.1574	1.1057	1.0528	1.0573	1.0481	1.1991	1.0827	1.0555
East Ayrshire	0.2216	0.2754	0.3779	0.4692	0.5464	0.5657	0.2459	0.4140	0.5529	0.8957	0.9268	1.0024	0.9953	1.0222	1.1033	0.9103	0.9955	1.0482
East Dunbartonshire	0.1879	0.2382	0.3265	0.4267	0.5320	0.5342	0.2116	0.3672	0.5327	0.7594	0.8018	0.8659	0.9052	0.9952	1.0420	0.7834	0.8830	1.0099
East Lothian	0.2135	0.2725	0.3610	0.4406	0.5185	0.5511	0.2402	0.3942	0.5292	0.8633	0.9172	0.9574	0.9347	0.9701	1.0749	0.8893	0.9478	1.0034
East Renfrewshire	0.2101	0.2573	0.3628	0.4629	0.5229	0.5570	0.2322	0.4045	0.5341	0.8492	0.8660	0.9622	0.9820	0.9781	1.0863	0.8594	0.9727	1.0126
Edinburgh (City of)	0.2940	0.3241	0.3925	0.4842	0.5397	0.5229	0.3081	0.4327	0.5341	1.1885	1.0909	1.0410	1.0272	1.0098	1.0199	1.1405	1.0404	1.0126
Eilean Siar	0.2594	0.3180	0.3740	0.4631	0.4564	0.4146	0.2868	0.4117	0.4433	1.0487	1.0702	0.9920	0.9824	0.8538	0.8087	1.0618	0.9899	0.8405
Falkirk	0.2279	0.2822	0.3717	0.4748	0.5714	0.5249	0.2530	0.4131	0.5570	0.9214	0.9497	0.9859	1.0072	1.0690	1.0238	0.9366	0.9935	1.0561
Fife	0.2210	0.2767	0.3502	0.4732	0.5320	0.5175	0.2458	0.4009	0.5272	0.8934	0.9313	0.9288	1.0038	0.9953	1.0093	0.9099	0.9641	0.9996
Glasgow City	0.3767	0.4095	0.4614	0.5140	0.5610	0.5192	0.3924	0.4829	0.5475	1.5227	1.3783	1.2237	1.0903	1.0494	1.0126	1.4524	1.1613	1.0380
Highland	0.2208	0.2814	0.3443	0.4479	0.4787	0.4573	0.2477	0.3866	0.4717	0.8926	0.9472	0.9132	0.9501	0.8955	0.8919	0.9170	0.9297	0.8943
Inverclyde	0.2824	0.3331	0.3994	0.5312	0.5401	0.5234	0.3057	0.4533	0.5344	1.1417	1.1213	1.0593	1.1267	1.0104	1.0209	1.1317	1.0899	1.0133
Midlothian	0.2032	0.2481	0.3410	0.4385	0.5040	0.4936	0.2232	0.3798	0.5007	0.8216	0.8350	0.9045	0.9302	0.9429	0.9628	0.8264	0.9131	0.9493
Moray	0.2149	0.2570	0.3493	0.4543	0.5046	0.4925	0.2341	0.3917	0.5005	0.8687	0.8651	0.9264	0.9637	0.9441	0.9605	0.8666	0.9418	0.9489
North Ayrshire	0.2470	0.2980	0.3959	0.4705	0.5224	0.5179	0.2701	0.4254	0.5209	0.9984	1.0031	1.0501	0.9981	0.9773	1.0102	0.9999	1.0230	0.9876
North Lanarkshire	0.2555	0.3074	0.3856	0.4894	0.5511	0.5166	0.2792	0.4266	0.5405	1.0328	1.0345	1.0227	1.0382	1.0309	1.0075	1.0337	1.0258	1.0248
Orkney Islands	0.2474	0.2903	0.3752	0.4376	0.5967	0.5172	0.2666	0.4025	0.5678	1.0001	0.9771	0.9950	0.9283	1.1163	1.0088	0.9869	0.9677	1.0766
Perth & Kinross	0.2126	0.2563	0.3399	0.4402	0.4998	0.4934	0.2327	0.3830	0.4977	0.8595	0.8626	0.9015	0.9338	0.9350	0.9623	0.8613	0.9210	0.9437
Renfrewshire	0.2649	0.3205	0.4000	0.4711	0.5582	0.5147	0.2906	0.4288	0.5437	1.0710	1.0788	1.0610	0.9994	1.0444	1.0039	1.0759	1.0311	1.0308
Scottish Borders	0.2198	0.2634	0.3669	0.4602	0.5709	0.5513	0.2397	0.4063	0.5645	0.8887	0.8865	0.9731	0.9763	1.0680	1.0753	0.8872	0.9769	1.0703
Shetland Islands	0.2293	0.2771	0.3261	0.4155	0.4764	0.4813	0.2497	0.3633	0.4781	0.9268	0.9327	0.8648	0.8813	0.8912	0.9386	0.9242	0.8737	0.9064
South Ayrshire	0.2280	0.2684	0.3601	0.4521	0.5232	0.5160	0.2462	0.3974	0.5209	0.9215	0.9035	0.9552	0.9590	0.9788	1.0065	0.9115	0.9556	0.9875
South Lanarkshire	0.2367	0.2769	0.3827	0.4754	0.5333	0.4560	0.2550	0.4204	0.5086	0.9569	0.9321	1.0150	1.0084	0.9977	0.8893	0.9441	1.0109	0.9642
Stirling	0.2153	0.2566	0.3324	0.4431	0.5428	0.4793	0.2343	0.3767	0.5210	0.8705	0.8635	0.8815	0.9399	1.0155	0.9348	0.8673	0.9057	0.9878
West Dunbartonshire	0.2878	0.3501	0.4007	0.4961	0.5592	0.5493	0.3164	0.4394	0.5557	1.1634	1.1782	1.0628	1.0525	1.0462	1.0715	1.1713	1.0566	1.0537
West Lothian	0.2279	0.2868	0.3790	0.4628	0.5362	0.4985	0.2539	0.4109	0.5246	0.9213	0.9653	1.0052	0.9817	1.0031	0.9722	0.9398	0.9880	0.9946
TOTAL	0.2474	0.2971	0.3770	0.4714	0.5345	0.5127	0.2701	0.4159	0.5274	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Notes:
- Living Alone Rate = Number Living Alone / Population

Notes:
- Living Alone Index = Living Alone Rate for LA / Living Alone Rate for Scotland

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 4: Construction of Council Tax Index

STEP 5: Calculation of Pension Credit (PC) Claimants Index

Local Authority	Number of Dwellings on valuation list by Council Tax Band, 5th September, 2016								A-C as a % of A-H	Index	Local Authority	Population 65+	Pension Credit Claimants	Claimant Rate	Index
	A	B	C	D	E	F	G	H							
Aberdeen City	22,930	28,202	18,963	15,320	14,402	8,475	7,547	982	60.00%	0.9957	Aberdeen City	34,832	3,590	0.103	0.7186
Aberdeenshire	20,595	16,086	14,360	17,682	21,521	16,215	10,308	596	43.49%	0.7217	Aberdeenshire	47,771	3,810	0.080	0.5560
Angus	15,224	12,835	7,083	8,485	7,575	3,090	1,673	170	62.60%	1.0389	Angus	26,487	2,700	0.102	0.7107
Argyll & Bute	7,625	10,000	9,452	6,069	7,465	4,188	2,840	245	56.55%	0.9384	Argyll & Bute	21,556	2,560	0.119	0.8280
Clackmannanshire	6,321	7,313	2,041	2,563	3,256	1,945	888	50	64.30%	1.0671	Clackmannanshire	9,883	1,260	0.127	0.8888
Dumfries & Galloway	11,287	22,771	12,024	10,088	10,647	5,242	2,471	157	61.70%	1.0239	Dumfries & Galloway	36,907	4,860	0.132	0.9181
Dundee City	28,285	17,104	9,292	8,974	7,254	2,348	1,061	36	73.54%	1.2204	Dundee City	25,967	4,800	0.185	1.2887
East Ayrshire	26,290	9,382	5,192	6,669	6,244	3,354	979	48	70.26%	1.1660	East Ayrshire	23,917	4,030	0.168	1.1747
East Dunbartonshire	1,112	3,722	8,359	8,318	10,504	7,075	6,707	633	28.41%	0.4715	East Dunbartonshire	23,405	1,840	0.079	0.5481
East Lothian	1,196	9,403	15,023	6,167	6,124	4,851	3,978	665	54.05%	0.8969	East Lothian	20,398	2,100	0.103	0.7178
East Renfrewshire	1,342	5,231	4,013	6,571	8,240	6,149	6,398	733	27.37%	0.4542	East Renfrewshire	18,353	1,690	0.092	0.6420
Edinburgh (City of)	23,676	47,429	44,132	39,341	41,446	25,246	21,556	3,992	46.69%	0.7748	Edinburgh (City of)	75,933	8,760	0.115	0.8043
Eilean Siar	4,795	3,845	2,835	1,758	1,257	186	33	5	77.99%	1.2942	Eilean Siar	6,639	1,190	0.179	1.2497
Falkirk	22,236	19,410	6,847	8,890	8,776	5,429	2,710	63	65.21%	1.0822	Falkirk	29,157	3,870	0.133	0.9254
Fife	40,441	48,456	22,917	20,601	23,239	13,325	6,438	498	63.56%	1.0548	Fife	73,658	8,140	0.111	0.7705
Glasgow City	66,782	79,402	68,805	42,732	29,943	13,639	6,323	667	69.74%	1.1572	Glasgow City	83,790	25,260	0.301	2.1018
Highland	19,617	23,185	23,624	18,672	18,435	9,039	4,391	328	56.63%	0.9398	Highland	50,076	5,770	0.115	0.8033
Inverclyde	18,991	5,911	3,509	3,357	3,521	1,912	1,432	215	73.13%	1.2136	Inverclyde	16,169	2,950	0.182	1.2720
Midlothian	981	12,487	10,814	5,297	4,803	3,326	2,058	171	60.80%	1.0090	Midlothian	16,392	1,710	0.104	0.7273
Moray	11,983	10,534	6,877	6,442	6,039	2,191	665	107	65.56%	1.0879	Moray	19,754	2,060	0.104	0.7270
North Ayrshire	21,751	18,306	7,046	6,838	8,868	3,917	1,177	57	69.31%	1.1502	North Ayrshire	29,227	4,900	0.168	1.1688
North Lanarkshire	53,558	37,263	19,362	16,461	16,026	8,628	2,856	132	71.41%	1.1851	North Lanarkshire	56,497	11,240	0.199	1.3870
Orkney Islands	2,443	2,898	2,364	1,798	1,350	312	23	4	68.84%	1.1424	Orkney Islands	4,967	520	0.105	0.7299
Perth & Kinross	8,808	14,712	12,004	10,555	11,547	7,461	6,061	674	49.46%	0.8208	Perth & Kinross	33,916	3,290	0.097	0.6763
Renfrewshire	13,689	25,631	14,588	11,976	10,672	6,060	3,614	219	62.36%	1.0348	Renfrewshire	32,665	5,020	0.154	1.0714
Scottish Borders	16,583	12,685	7,005	5,904	6,381	4,756	4,392	461	62.36%	1.0348	Scottish Borders	27,243	2,740	0.101	0.7012
Shetland Islands	2,967	1,834	2,801	1,827	1,402	283	65	1	68.00%	1.1284	Shetland Islands	4,403	380	0.086	0.6017
South Ayrshire	7,252	12,671	8,864	8,353	9,654	5,013	3,153	292	52.10%	0.8646	South Ayrshire	27,257	3,420	0.125	0.8748
South Lanarkshire	36,411	30,229	25,738	20,317	19,061	11,598	6,094	524	61.60%	1.0222	South Lanarkshire	59,375	9,620	0.162	1.1296
Stirling	5,680	8,715	4,604	4,811	6,392	5,180	5,159	709	46.06%	0.7643	Stirling	17,425	1,830	0.105	0.7322
West Dunbartonshire	7,904	16,880	7,488	5,864	4,459	1,650	783	65	71.57%	1.1876	West Dunbartonshire	16,191	3,400	0.210	1.4640
West Lothian	17,621	24,747	9,973	8,201	9,564	5,923	2,675	186	66.35%	1.1010	West Lothian	28,642	3,960	0.138	0.9639
TOTAL	546,376	599,279	417,999	346,901	346,067	198,006	126,508	13,685	60.26%	1.0000	TOTAL	998,852	143,270	0.143	1.0000

Notes:
 - SG LGF Statistics return CTAXBASE 2017
 - Council Tax Index = A-C as % of A-H for LA / A-C as % of A-H for Scotland

Notes:
 - Pension Credit Claimants : DWP Q1 2017, sum of claimants of GPC (Guarantee Pension Credit) and GPC & SPC (Saving Pension Credit). This excludes the SPC only element.
 - Population Data: NRS Mid Year Estimates 2016

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

STEP 6: Calculation of Population Age Band Weightings (Services for the Home Based Elderly)

Age Band	Home Care Clients	Population	Rate (per 1,000)	Weight	Previous Weight (2017-18 Allocations)	Mean Weight for 2018-19 Allocations
65-74	9,902	556,543	17.792	1.00	1.00	1.00
75-84	20,278	323,264	62.729	3.53	3.74	3.63
85+	22,261	119,045	186.997	10.51	11.17	10.84

Note

- Home Care & SDS Clients from Scottish Government Home Care Services, 2016

- Population Data: NRS Mid Year Estimates 2016

STEP 7: Calculation of Population Age Band Weightings (Residential Accommodation for the Elderly)

Age Band	Long Stay Residents in Homes for Older People	Population	Rate (per 1,000)	Weight	Previous Weight (2017-18 Allocations)	Mean Weight for 2018-19 Allocations
65-69	1,184	317,524	3.73	1.00	1.00	1.00
70-74	1,927	239,019	8.06	2.16	2.47	2.32
75-79	3,735	186,846	19.99	5.36	5.65	5.50
80-84	6,163	136,418	45.18	12.11	13.38	12.75
85-89	8,079	77,978	103.61	27.78	29.74	28.76
90+	9,494	41,067	231.18	61.99	64.43	63.21

Note:

- Long Stay Residents from Scottish Government Scottish Care Census, 2016

- Population Data: NRS Mid Year Estimates 2016

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

FINAL STEP: Calculation of Services for the Home Based Elderly Index

Base Year (2018/19)

Local Authority	Weighted NRS 2015 MYE Population			Combined SMR, LLTI, Live Alone & PC Index			Final Services for the Home Based Elderly GAE Composite Index	
	65-74	75-84	85+	65-74	75-84	85+	Number	% of Total
Aberdeen City	18,738	41,716	50,048	0.931	0.922	0.899	100,871	3.3%
Aberdeenshire	27,781	53,009	58,602	0.749	0.824	0.829	113,112	3.7%
Angus	14,726	30,526	36,452	0.829	0.870	0.886	71,071	2.4%
Argyll & Bute	12,221	25,038	26,520	0.885	0.923	0.934	58,699	1.9%
Clackmannanshire	5,955	10,689	10,701	0.979	0.988	1.011	27,206	0.9%
Dumfries & Galloway	20,462	44,046	46,904	0.918	0.951	0.968	106,085	3.5%
Dundee City	13,559	32,114	38,729	1.162	1.107	1.111	94,310	3.1%
East Ayrshire	13,701	27,869	27,626	1.094	1.104	1.084	75,692	2.5%
East Dunbartonshire	12,350	29,279	32,516	0.721	0.787	0.840	59,265	2.0%
East Lothian	11,283	24,209	26,607	0.840	0.881	0.909	54,978	1.8%
East Renfrewshire	9,528	22,730	27,875	0.768	0.824	0.878	50,519	1.7%
Edinburgh (City of)	40,312	89,742	118,495	0.925	0.920	0.933	230,412	7.6%
Eilean Siar	3,587	7,999	9,227	1.053	1.033	1.039	21,629	0.7%
Falkirk	16,604	34,149	34,229	0.991	0.994	0.995	84,485	2.8%
Fife	42,115	83,702	92,300	0.906	0.926	0.925	201,046	6.7%
Glasgow City	44,781	103,124	115,308	1.582	1.407	1.390	376,182	12.5%
Highland	28,582	56,901	63,297	0.860	0.878	0.892	130,993	4.3%
Inverclyde	8,871	19,146	22,010	1.156	1.117	1.098	55,802	1.8%
Midlothian	9,588	18,441	18,757	0.873	0.909	0.900	42,004	1.4%
Moray	10,995	23,326	25,382	0.842	0.879	0.888	52,290	1.7%
North Ayrshire	16,698	34,222	33,752	1.074	1.069	1.058	90,229	3.0%
North Lanarkshire	32,564	67,023	59,546	1.216	1.176	1.152	186,997	6.2%
Orkney Islands	2,826	5,721	6,148	0.848	0.860	0.930	13,038	0.4%
Perth & Kinross	18,376	40,012	49,126	0.783	0.825	0.862	89,766	3.0%
Renfrewshire	18,123	39,023	41,255	1.073	1.065	1.039	103,844	3.4%
Scottish Borders	15,451	31,376	34,251	0.799	0.870	0.914	70,961	2.4%
Shetland Islands	2,572	4,917	5,183	0.806	0.881	0.845	10,781	0.4%
South Ayrshire	15,069	32,161	36,202	0.917	0.935	0.960	78,636	2.6%
South Lanarkshire	33,289	70,232	73,315	1.045	1.064	1.037	185,586	6.1%
Stirling	9,651	21,054	21,479	0.845	0.893	0.903	46,347	1.5%
West Dunbartonshire	9,140	18,972	19,852	1.254	1.203	1.180	57,715	1.9%
West Lothian	17,045	32,419	29,025	1.000	1.014	0.997	78,853	2.6%
TOTAL	556,543	1,174,892	1,290,718	1.000	1.000	1.000	3,019,403	100.0%

Note:
- NRS 2016 Mid Year Estimates multiplied by the age band weight calculated in step 6

Note:
- Average of the indices calculated in steps 1-3 & 5
- SMR not used in the 85+ age band

Note:
- Total number is a forced sum to allow 100% allocations

Annex 2: Calculation of Elderly Composite Indices - Residential Accommodation for the Elderly and Services for the Home Based Elderly

FINAL STEP: Calculation of the Residential Accommodation for the Elderly Composite Index

Base Year (2018/19)

Local Authority	Weighted NRS 2015 MYE Population						Combined SMR, LLTI, Live Alone & Ctax Index						Final Residential Care for the Elderly GAE Composite Index	
	65-69	70-74	75-79	80-84	85-89	90+	65-69	70-74	75-79	80-84	85-89	90+	Number	% of Total
Aberdeen City	11,058	17,783	35,377	64,374	88,092	98,170	1.029	0.977	0.968	1.003	0.990	0.992	312,251	3.7%
Aberdeenshire	16,324	26,529	47,130	76,754	100,977	119,726	0.773	0.815	0.848	0.886	0.880	0.895	338,241	4.0%
Angus	8,445	14,544	26,743	45,122	61,403	77,562	0.908	0.915	0.940	0.963	0.994	0.998	228,025	2.7%
Argyll & Bute	6,883	12,360	22,484	35,738	45,441	54,743	0.911	0.915	0.945	0.960	0.958	0.994	171,113	2.0%
Clackmannanshire	3,424	5,861	9,866	14,637	19,010	20,607	1.011	1.039	1.032	1.041	1.070	1.074	77,441	0.9%
Dumfries & Galloway	11,328	21,150	38,513	65,279	82,110	92,986	0.947	0.942	0.962	0.992	1.003	1.003	308,173	3.7%
Dundee City	7,810	13,312	27,090	49,890	68,391	75,476	1.174	1.116	1.109	1.064	1.093	1.078	263,301	3.1%
East Ayrshire	7,818	13,622	24,955	39,945	48,633	54,174	1.075	1.107	1.085	1.119	1.071	1.100	206,968	2.5%
East Dunbartonshire	6,943	12,520	25,367	43,936	56,140	66,184	0.680	0.716	0.761	0.779	0.811	0.825	167,319	2.0%
East Lothian	6,351	11,420	21,119	35,993	46,821	52,214	0.864	0.902	0.905	0.940	0.959	0.990	165,308	2.0%
East Renfrewshire	5,354	9,665	19,078	35,534	47,253	58,662	0.706	0.730	0.769	0.785	0.801	0.844	140,743	1.7%
Edinburgh (City of)	23,468	39,003	75,651	139,534	201,493	247,985	0.928	0.908	0.908	0.908	0.918	0.932	668,670	7.9%
Eilean Siar	2,052	3,554	7,115	11,577	15,530	19,659	1.068	1.060	1.059	1.031	1.056	1.049	62,447	0.7%
Falkirk	9,625	16,160	30,358	49,457	58,901	70,103	1.007	1.051	1.035	1.038	1.053	1.036	244,121	2.9%
Fife	23,935	42,096	73,901	122,399	158,267	190,271	0.978	0.980	0.974	1.021	1.018	1.023	617,472	7.3%
Glasgow City	25,761	44,041	88,224	157,346	198,876	235,153	1.385	1.306	1.210	1.126	1.083	1.060	841,627	10.0%
Highland	16,234	28,592	49,766	84,302	111,445	124,087	0.888	0.903	0.902	0.924	0.934	0.942	384,012	4.6%
Inverclyde	5,000	8,963	16,723	28,419	37,819	45,197	1.157	1.125	1.117	1.091	1.079	1.077	155,048	1.8%
Midlothian	5,498	9,471	16,365	26,775	33,160	36,474	0.936	0.955	0.958	1.005	0.991	0.998	126,051	1.5%
Moray	6,165	11,184	20,453	34,437	44,664	49,812	0.938	0.927	0.965	0.978	1.007	1.010	164,826	2.0%
North Ayrshire	9,406	16,885	30,391	49,635	58,412	68,397	1.057	1.078	1.086	1.048	1.049	1.057	246,729	2.9%
North Lanarkshire	18,584	32,371	60,045	95,994	109,403	106,704	1.173	1.158	1.137	1.121	1.092	1.071	468,971	5.6%
Orkney Islands	1,549	2,957	5,310	7,765	10,526	12,706	0.921	0.972	0.962	0.966	1.077	1.048	41,568	0.5%
Perth & Kinross	10,338	18,612	34,661	60,052	84,209	101,331	0.820	0.819	0.843	0.875	0.904	0.925	275,288	3.3%
Renfrewshire	10,290	18,138	34,304	57,413	72,159	81,924	1.055	1.067	1.075	1.038	1.030	1.018	284,394	3.4%
Scottish Borders	8,791	15,421	28,119	44,918	60,367	67,006	0.874	0.890	0.932	0.974	1.023	1.031	222,162	2.6%
Shetland Islands	1,457	2,582	4,457	6,923	8,858	10,746	0.959	0.924	0.987	1.040	1.024	1.014	35,349	0.4%
South Ayrshire	8,312	15,646	28,157	47,582	60,856	77,310	0.903	0.920	0.932	0.935	0.952	0.965	225,171	2.7%
South Lanarkshire	18,879	33,367	61,476	103,937	130,772	140,017	1.011	1.022	1.047	1.030	1.016	0.970	493,357	5.8%
Stirling	5,460	9,704	18,571	30,829	36,640	44,692	0.854	0.851	0.884	0.923	0.917	0.904	131,818	1.6%
West Dunbartonshire	5,262	8,980	16,657	27,960	35,087	38,623	1.175	1.195	1.149	1.121	1.086	1.090	147,602	1.8%
West Lothian	9,720	16,961	29,725	44,854	50,934	57,271	1.027	1.045	1.063	1.047	1.049	1.030	218,677	2.6%
TOTAL	317,524	553,456	1,028,151	1,739,309	2,242,652	2,595,973	1.000	1.000	1.000	1.000	1.000	1.000	8,434,243	100.0%

Note:
- NRS 2016 Mid Year Estimates multiplied by the age band weight calculated in step 7

Note:
- Average of the indices calculated in steps 1-4
- SMR not used in the 85+ age bands

Note:
- Total number is a forced sum to allow 100% allocations

Annex 3: Calculation of Residential Care for Children Composite Index

STEP 1: Construction of Children in Lone Parent Families Index

Local Authority	2011 Census Day Population Aged 0-15	Number of 0-15 Year Olds Living in Lone Parent Family	Rate	Index
Aberdeen City	32,135	7,098	0.2209	0.7916
Aberdeenshire	47,389	6,948	0.1466	0.5255
Angus	20,258	4,843	0.2391	0.8568
Argyll & Bute	14,435	3,466	0.2401	0.8606
Clackmannanshire	9,333	2,651	0.2840	1.0180
Dumfries & Galloway	25,164	5,668	0.2252	0.8073
Dundee City	23,704	9,526	0.4019	1.4403
East Ayrshire	21,599	6,128	0.2837	1.0168
East Dunbartonshire	18,714	3,907	0.2088	0.7482
East Lothian	18,628	3,952	0.2122	0.7604
East Renfrewshire	17,901	3,569	0.1994	0.7146
Edinburgh (City of)	72,202	19,991	0.2769	0.9923
Eilean Siar	4,678	974	0.2082	0.7462
Falkirk	28,377	7,154	0.2521	0.9035
Fife	64,397	17,093	0.2654	0.9513
Glasgow City	95,627	40,506	0.4236	1.5181
Highland	41,398	9,807	0.2369	0.8490
Inverclyde	13,732	5,117	0.3726	1.3355
Midlothian	15,603	3,942	0.2526	0.9055
Moray	17,044	3,468	0.2035	0.7292
North Ayrshire	24,483	8,007	0.3270	1.1721
North Lanarkshire	64,882	20,976	0.3233	1.1587
Orkney Islands	3,626	687	0.1895	0.6790
Perth & Kinross	25,175	5,341	0.2122	0.7604
Renfrewshire	30,703	9,973	0.3248	1.1642
Scottish Borders	19,341	3,934	0.2034	0.7290
Shetland Islands	4,471	717	0.1604	0.5748
South Ayrshire	18,380	4,965	0.2701	0.9681
South Lanarkshire	55,484	15,698	0.2829	1.0140
Stirling	16,015	3,626	0.2264	0.8115
West Dunbartonshire	16,000	6,132	0.3833	1.3736
West Lothian	35,453	9,809	0.2767	0.9916
TOTAL	916,331	255,673	0.2790	1.0000

Notes:

- The number of children in lone parent households are calculated using Census relationship information. The algorithm puts a husband and wife together as a couple, it puts partners together as a couple and parents to child(ren) within a household. Any family created in the algorithm with only one parent will be classified as a lone parent family. If there was no parent (mother/father) present on the census form the child(ren) would be linked to a grandparent also as a lone parent family. This excludes lone parents living in households with the child(ren)'s grandparents and other relations. Child(ren) not linked to any carer are also included.

Source: NRS 2011 Census of Population.

Annex 3: Calculation of Residential Care for Children Composite Index

STEP 2: Construction of Number of Dependants of Income Support / Job Seekers Allowance Claimants Index

Local Authority	Population Aged 0-15	IS / JSA Dependants	Rate	Index
Aberdeen City	34,187	3,163	0.0925	0.9393
Aberdeenshire	48,871	2,801	0.0573	0.5819
Angus	19,445	1,538	0.0791	0.8029
Argyll & Bute	13,238	832	0.0628	0.6377
Clackmannanshire	9,024	1,248	0.1383	1.4039
Dumfries & Galloway	23,614	2,296	0.0972	0.9870
Dundee City	23,849	3,564	0.1494	1.5170
East Ayrshire	21,259	2,521	0.1186	1.2036
East Dunbartonshire	18,810	754	0.0401	0.4068
East Lothian	18,989	1,530	0.0806	0.8177
East Renfrewshire	18,662	682	0.0365	0.3709
Edinburgh (City of)	77,364	6,129	0.0792	0.8042
Eilean Siar	4,307	179	0.0415	0.4216
Falkirk	28,359	2,867	0.1011	1.0263
Fife	64,372	6,639	0.1031	1.0470
Glasgow City	98,487	15,187	0.1542	1.5654
Highland	39,972	3,086	0.0772	0.7839
Inverclyde	12,851	1,569	0.1221	1.2393
Midlothian	16,884	1,744	0.1033	1.0488
Moray	16,527	1,232	0.0745	0.7568
North Ayrshire	23,128	3,739	0.1617	1.6411
North Lanarkshire	63,299	7,188	0.1136	1.1528
Orkney Islands	3,516	183	0.0520	0.5277
Perth & Kinross	24,514	1,419	0.0579	0.5878
Renfrewshire	29,954	3,064	0.1023	1.0384
Scottish Borders	19,002	1,427	0.0751	0.7622
Shetland Islands	4,233	268	0.0633	0.6427
South Ayrshire	17,760	1,658	0.0934	0.9478
South Lanarkshire	54,876	5,079	0.0926	0.9395
Stirling	15,493	1,117	0.0721	0.7321
West Dunbartonshire	15,764	2,362	0.1498	1.5209
West Lothian	35,307	3,160	0.0895	0.9087
TOTAL	915,917	90,224	0.0985	1.0000

Notes:

- Population Data: NRS Mid Year Estimates 2016

- Income Support / Jobseekers Allowance Dependants: DWP 2016, DWP WPLS 100% data and HMRC Child Benefit administrative data. See Data Issues (section 2.2).

Annex 3: Calculation of Residential Care for Children Composite Index

FINAL STEP: Calculation of Residential Care for Children Composite Index

Base Year (2018/19)			Final Residential Care for Children Composite Index	
Local Authority	Population Aged 0-15	Lone Parent / IS/JSA Dependents Composite Index	Number	% of Total
Aberdeen City	34,187	0.8655	29,588	3.2%
Aberdeenshire	48,871	0.5537	27,059	3.0%
Angus	19,445	0.8299	16,137	1.8%
Argyll & Bute	13,238	0.7491	9,917	1.1%
Clackmannanshire	9,024	1.2110	10,928	1.2%
Dumfries & Galloway	23,614	0.8971	21,185	2.3%
Dundee City	23,849	1.4786	35,264	3.8%
East Ayrshire	21,259	1.1102	23,602	2.6%
East Dunbartonshire	18,810	0.5775	10,863	1.2%
East Lothian	18,989	0.7890	14,983	1.6%
East Renfrewshire	18,662	0.5427	10,128	1.1%
Edinburgh (City of)	77,364	0.8983	69,495	7.6%
Eilean Siar	4,307	0.5839	2,515	0.3%
Falkirk	28,359	0.9649	27,365	3.0%
Fife	64,372	0.9992	64,318	7.0%
Glasgow City	98,487	1.5418	151,845	16.6%
Highland	39,972	0.8164	32,635	3.6%
Inverclyde	12,851	1.2874	16,544	1.8%
Midlothian	16,884	0.9771	16,498	1.8%
Moray	16,527	0.7430	12,280	1.3%
North Ayrshire	23,128	1.4066	32,532	3.6%
North Lanarkshire	63,299	1.1557	73,156	8.0%
Orkney Islands	3,516	0.6034	2,121	0.2%
Perth & Kinross	24,514	0.6741	16,524	1.8%
Renfrewshire	29,954	1.1013	32,988	3.6%
Scottish Borders	19,002	0.7456	14,167	1.5%
Shetland Islands	4,233	0.6087	2,577	0.3%
South Ayrshire	17,760	0.9580	17,014	1.9%
South Lanarkshire	54,876	0.9768	53,601	5.9%
Stirling	15,493	0.7718	11,957	1.3%
West Dunbartonshire	15,764	1.4473	22,815	2.5%
West Lothian	35,307	0.9501	33,546	3.7%
TOTAL	915,917	1.0000	916,145	100.0%

Notes:

- Population Data: NRS 2016 Mid Year Estimates
- Composite Index is the average of the indices calculated in steps 1 and 2 - this also feeds into Childcare Strategy GAE
- Total number is a forced sum to allow 100% allocations

Annex 4: Teachers Remoteness and Distant Islands Allowance

Local Authority	Estimated Expenditure	Total Population	Contributions	GAE (£000s)
Aberdeen City		229,840	514	-514
Aberdeenshire		262,190	587	-587
Angus	2	116,520	261	-259
Argyll & Bute	155	87,130	195	-40
Clackmannanshire		51,350	115	-115
Dumfries & Galloway	0	149,520	335	-335
Dundee City		148,270	332	-332
East Ayrshire		122,200	274	-274
East Dunbartonshire		107,540	241	-241
East Lothian		104,090	233	-233
East Renfrewshire		93,810	210	-210
Edinburgh (City of)		507,170	1,135	-1,135
Falkirk		159,380	357	-357
Fife		370,330	829	-829
Glasgow City		615,070	1,377	-1,377
Highland	97	234,770	525	-428
Inverclyde		79,160	177	-177
Midlothian		88,610	198	-198
Moray		96,070	215	-215
North Ayrshire		135,890	304	-304
North Lanarkshire		339,390	760	-760
Perth & Kinross		150,680	337	-337
Renfrewshire		175,930	394	-394
Scottish Borders	10	114,530	256	-246
South Ayrshire		112,470	252	-252
South Lanarkshire		317,100	710	-710
Stirling		93,750	210	-210
West Dunbartonshire		89,860	201	-201
West Lothian		180,130	403	-403
TOTAL	264	5,332,750	11,936	-11,672
Eilean Siar	3,584	26,900	117	3,468
Orkney Islands	3,669	21,850	95	3,574
Shetland Islands	4,731	23,200	101	4,631
TOTAL	11,985	71,950	312	11,672

	Estimated Expenditure	Total Population	Total Provisional Outturn	Total Allowance
Mainland Authorities	264	5,332,750	11,549,943	11,936
Island Authorities	11,985	71,950	302,315	312
TOTAL	12,249	5,404,700	11,852,258	12,249

Notes:

- Estimated Expenditure 2017/18. Source: COSLA
- Population Data: NRS Mid-Year Estimates 2016
- Total Provisional Outturn excludes Revenue Contributions to Capital. Source: SG Statistical Support for Local Government, POBE 2017.
- Total Allowance calculation as follows:
Total Allowance = (Total Provisional Outturn for Mainland or Island Authorities / Total Provisional Outturn) * Total Estimated Expenditure
- Contribution calculation as follows:
Contribution = (LA Population / Total Population) * Total Allowance for Mainland or Island Authorities
- GAE calculation as follows:
GAE = Estimated Expenditure - Contribution

Annex 5: Calculation of Special Islands Need Allowance

Base Year (2018/19)

Local Authority	Total GAE	Expenditure & Budget GAEs	SINA Factor A & B Non Expenditure or Budget Based GAEs	SINA Factor B Teacher Remoteness & Distant Islands	SINA Factor A Proportions of Mean GAE per head for each Islander	SINA Factor B 10% Uplift on Total GAE for Non-Mainland LA's	Actual SINA Payment
Aberdeen City	278,037	6,079	271,958	-514			0
Aberdeenshire	384,658	5,163	379,494	-587			0
Angus	172,517	1,719	170,797	-259			0
Argyll & Bute	140,824	3,880	136,944	-40	2,386		2,386
Clackmannanshire	74,561	1,456	73,105	-115			0
Dumfries & Galloway	236,756	4,061	232,695	-335			0
Dundee City	220,542	6,091	214,451	-332			0
East Ayrshire	178,980	3,165	175,815	-274			0
East Dunbartonshire	164,191	2,463	161,728	-241			0
East Lothian	150,135	3,186	146,949	-233			0
East Renfrewshire	156,411	1,448	154,963	-210			0
Edinburgh, City of	615,690	12,583	603,107	-1,135			0
Eilean Siar	54,468	2,218	52,250	3,468	722	4,878	5,600
Falkirk	230,484	3,654	226,830	-357			0
Fife	541,113	8,156	532,957	-829			0
Glasgow City	876,472	39,147	837,325	-1,377			0
Highland	372,801	5,833	366,968	-428	420		420
Inverclyde	120,176	3,098	117,078	-177			0
Midlothian	130,621	1,372	129,249	-198			0
Moray	136,677	2,076	134,601	-215			0
North Ayrshire	211,682	4,164	207,518	-304	761		761
North Lanarkshire	505,531	9,496	496,035	-760			0
Orkney Islands	50,454	9,239	41,215	3,574	2,089	3,764	5,853
Perth & Kinross	216,179	3,457	212,722	-337			0
Renfrewshire	259,838	4,516	255,322	-394			0
Scottish Borders	176,166	2,994	173,172	-246			0
Shetland Islands	57,350	10,804	46,546	4,631	1,508	4,192	5,699
South Ayrshire	167,135	2,648	164,487	-252			0
South Lanarkshire	471,406	8,123	463,283	-710			0
Stirling	139,924	2,189	137,735	-210			0
West Dunbartonshire	139,933	1,430	138,503	-201			0
West Lothian	267,956	5,870	262,086	-403			0
Scotland	7,899,665	181,779	7,717,886	0	7,886	12,834	20,719

Island Populations by band

Local Authority	<875	875-1750	1750-7000
Eilean Siar	0	1,264	4,846
Orkney	2,866	0	0
Shetland	1,258	2,027	0
Argyll & Bute	2,022	0	12,526
Highland	577	0	0
North Ayrshire	31	1,376	4,629

Scotland Population	5,295,403
Average Non-Expenditure or Budget Based GAE per head	<u>1.457</u>
50% weight for islands with population <875	0.729
20% weight for islands with population 875-1,750	0.291
5% weight for islands with populations 1750-7000	0.073

Notes:

- Expenditure & Budget GAEs include: Residual FE Travel, Support for Ferries, Support for Airports & Harbours, Tourism, Museums & Galleries, Planning & Economic Development, Non-Road Lighting, Supported Employment, Admin of Housing Improvement Grants & Loans, Trading Services, Coast Protection, Flood Prevention.
- SINA Factor A & B = Total GAE - Expenditure & Budget Based GAEs
- Islands and Scotland Population: NRS Census Day Population 2011
- Average Non-Expenditure or Budget Based GAE per head = Non Expenditure or Budget Based GAE per head / Population
- SINA Factor A is the sum of population band multiplied by corresponding weight. For example, Argyll & Bute = (2022 x 0.729) + (0 x 0.292) + (12526 x 0.073) = 2,387
- SINA Factor B equals 10% uplift of Island authorities GAE, after deducting expenditure and budget based assessments and teachers remoteness & distant islands allowance.

Annex 6: Importance of Indicators within the GAE Settlement

Primary Indicators - Distributional Effect

Indicator	Grant Aided Expenditure	
	£000s	Share (%)
All Pupil Primary Indicators	3,026,151	38.31%
All Population Primary Indicators	1,848,955	23.41%
Secondary Sector Pupils	1,141,745	14.45%
All School Pupils	907,192	11.48%
Primary Sector Pupils	902,523	11.42%
Residential Accommodation for the Elderly Composite Indicator	562,900	7.13%
Services for Home Base Elderly Composite Indicator	550,079	6.96%
Population Aged 16-64	432,555	5.48%
Total Population	340,244	4.31%
Community & Residential Care for Children Composite Indicator	327,681	4.15%
Total Education GAE (excluding NPAF and FEF)	315,428	3.99%
Weighted Road Lane Length	296,908	3.76%
Population Aged 2-19	243,588	3.08%
Adjusted Population (Parks & Remainder of Leisure)	188,462	2.39%
Adjusted Population (Waste Disposal & Eviro Health)	180,351	2.28%
Pre-School Provision for 4 Year Olds	155,177	1.96%
Total Dwellings	131,105	1.66%
Adjusted Population (Sports Facilities & Swimming Pools)	85,839	1.09%
Adjusted Population (Libraries)	85,412	1.08%
Pupils Taking Meals	74,691	0.95%
Adjusted Population (Street Cleaning)	69,022	0.87%
Urban Lane Length	68,474	0.87%
Weighted Free School Meals Registration	59,005	0.75%
Population Aged 5-15	54,853	0.69%
Population Aged Under 5	54,141	0.69%
Selected Social Work GAEs for General Administration	51,899	0.66%
Population Aged 3&4	26,215	0.33%
Population Aged 60+	24,722	0.31%
Non-Domestic Rateable Subjects	22,461	0.28%
Population Aged 0-14	21,225	0.27%
Population Aged 0-3	18,920	0.24%
Homeless & Threatened with Homelessness Applications	16,579	0.21%
Area of Maintained Burial Ground	13,009	0.16%
Population Living in Settlements of less than 1,000	9,591	0.12%
Number of Ethnic Minority Pupils	8,317	0.11%
Number of Education Establishments	7,587	0.10%
Population Aged 3&4 Living in Settlements of less than 1,000	7,518	0.10%
Minimum Payments	7,383	0.09%
Number of Current Income Deprived	4,278	0.05%
Population (excl those living in national parks)	3,980	0.05%
Length of Off-Road Paths (excl national parks)	3,980	0.05%
Building Control Warrants	3,833	0.05%
Population Aged 17+	2,317	0.03%
Weighted Aids & HIV+ Cases	1,729	0.02%
Cremations in Local Authority Owned Crematoria	417	0.01%
SG Department Allocations	203,145	2.57%
Previous Settlement Shares Rolled Forward	17,168	0.22%
TOTAL	7,703,648	97.52%

Budget Based, Actual Expenditure and Share of Specific Grant Based GAEs

Indicator	Grant Aided Expenditure	
	£000s	Share (%)
Gaelic	5,570	0.07%
Residual FE Travel & Bursaries	5,492	0.07%
Ferries	13,027	0.16%
Airports, Harbours	3,035	0.04%
Glasgow Underground - Share of SPTA Population	8,668	0.11%
Tourism	12,374	0.16%
Museums & Art Galleries	29,786	0.38%
Planning & Economic Development	90,728	1.15%
Non-Road Lighting	7,461	0.09%
Supported Employment	8,350	0.11%
Admin of Housing Improvement Grants & Loans	4,493	0.06%
Trading Services	1,384	0.02%
Coast Protection	758	0.01%
Flood Prevention	4,891	0.06%
TOTAL	196,017	2.48%
GAE TOTAL	7,899,665	100.00%

Annex 6: Importance of Indicators within the GAE Settlement

Secondary Indicators - Redistributive Effect

INDICATOR	GAE Redistributed by Indicator (% of total GAE)
Percentage of Pupils in Small Rural Schools	0.37%
Island Local Authority Adjustment	0.04%
Population Dispersion	0.14%
Income Support Dependants per 1,000 Aged 0-19	0.06%
Urban Settlement Pattern	0.10%
Hostel Places per 1,000 Pupils	0.10%
No of Body Type - Car Licences per Km Unweighted Lane Length	0.67%
Road Density/Area Deprivation	0.08%
Rural Settlement Pattern	0.04%
TOTAL	1.61%

Secondary Indicators - Redistributive Effect by Individual Assessment

Service	Secondary Indicator	Amount Redistributed (£000)	Amount Redistributed (as % of service GAE)
Primary School Teaching Staff	Percentage of Pupils in Small Rural Schools	29,228	3.24%
Secondary School Teaching Staff	Island Local Authority Adjustment	3,185	0.28%
School Transport	Population Dispersion	9,132	16.65%
School Meals	Income Support / JSA Dependants per 1,000 Aged 0-19	3,038	4.07%
School Hostels & Clothing	Hostel Places per 1,000 Pupils	8,085	29.95%
School Hostels & Clothing	Income Support / JSA Dependants per 1,000 Aged 0-19	1,839	6.81%
Road Maintenance	No of Body Type - Car Licences per Km Unweighted Lane Length	46,040	23.58%
Winter Maintenance	No of Body Type - Car Licences per Km Unweighted Lane Length	6,908	10.64%
Parks & Open Spaces	Urban Settlement Pattern	7,234	5.60%
Waste Collection	Population Dispersion	2,303	2.80%
Street Cleaning	Road Density/Area Deprivation	6,280	9.10%
Environmental Health	Rural Settlement Pattern	1,289	1.89%
Consumer Protection	Rural Settlement Pattern	1,705	9.51%
School Crossing Patrols	Urban Settlement Pattern	975	7.46%
TOTAL		127,239	

Annex 7: Example Calculations¹

Example 1: A GAE line based on a single primary indicator		
Aberdeen City Nursery School Teaching Staff GAE, 2018-19		
Total GAE for Nursery School Teaching Staff (£000s):		£26,215
Primary indicator:	Population Aged 3 and 4 (2016 Mid Year Estimates)	
Number of children aged 3 and 4 in Scotland:		117,973
Number of children aged 3 & 4 in Aberdeen City:		4,811
Percentage of children aged 3 & 4 in Aberdeen City:	$\frac{4,811}{117,973} \times 100$	4.1%
Aberdeen City's GAE for Nursery School Teaching Staff is calculated by multiplying its share of children aged 3 and 4 by Total GAE for this sub-service (£000s):		
	26,215 x 4.1%	£1,069

Example 2: A GAE line based on a primary indicator and a secondary indicator		
Highland Primary School Teaching Staff GAE, 2018-19		
Total GAE for Primary School Teaching Staff (£000s):		£902,523
Primary indicator (PI):	Primary Sector Pupils from 2017 Pupil Census	
Secondary indicator (SI):	Percentage of pupils in small schools (Education ASD)	
Number of primary sector pupils in Scotland:		402,745
Number of primary sector pupils in Highland:		17,480
Percentage of primary sector pupils in Highland:	$\frac{17,480}{402,745} \times 100$	4.3%
Primary indicator effect:	902,523 x 4.3%	39,171
Secondary indicator in Highland:		15.15%
Coefficient ² :		0.0324
Weighted mean (Wt mean):		4.06%
Formula for the secondary indicator effect:	(PI x coefficient) x (SI – Wt Mean SI)	
The secondary indicator effect for Highland:	(17,480 x 0.0324) x (15.15% - 4.06%)	
		6,274
Highland's GAE for Primary School Teaching Staff is the sum of GAE assessments based on the PI plus GAE assessments based on the SI (£000s):		
	39,171 + 6,274	£45,445

¹ Rounded totals and coefficients are shown in these example calculations

² Derived mathematically from relationship between past expenditure per primary indicator and the secondary indicator

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