

Household Analysis Review Group (HARG): Report on Communal Establishments (CEs)

1. Purpose.....	1
2. Background.....	1
3. Data sources.....	2
4. Consultation with Population and Migration Statistics Committee (PAMS) Local Authority (LA members)	3
5. Comparison of CE figures	4
6. Next steps	4

**The results presented in this paper are provisional.
They may differ from the final figures used in the household projections published.
Please treat these figures as 'restricted' until after publication in May.**

1. Purpose

In the household projection process, the private household population is calculated by subtracting the population who reside in communal establishments from the total population. For the 2008-based household projections General Register Office for Scotland (GROS) intends to use updated communal establishment figures. This paper describes the sources of the 2008 communal establishment figures, an analysis of communal establishment figures and the feedback given through consultation with PAMS LA members.

Note:

HARG members are asked to state whether they are satisfied that the 2008 communal establishment figures should be included in the 2008-based projections.

2. Background

For the 2006-based projections onwards it was agreed that data would be used from more up to date alternative sources where possible, supplemented by census data for CEs where an alternative source was not found. Previously 2001 census data for communal establishments was used in household projections. For the 2008-based projections, GROS again intend to use updated data for 2008 from alternative sources. These sources are listed in [Table 1](#).

3. Data sources

Table 1: Sources for 2008 Communal Establishment data

Type of CE	Data source	Date
Children's Care Home	Care Commission and Scottish Government (SG) Children Looked After Statistics	30 June 2008
Prison	SG Prison Statistics	30 June 2008
Hospital	Information Services Division (ISD) SHRUGS ¹ ISD SMR01 ² (SMR-Scottish Morbidity Record) ISD SMR04 ³ ISD SMR50 ⁴ ISD Continuing Care Census	2006, 07, 08 June 2008 June 2008 March 2006 September 2008
Student Hall of Residence	GROS 2006 data HESA ⁵ data GROS 2011 Census data	2006/2007 2008 2008
Adult Care Home	SG Health Statistics	March 2007
Defence establishments (inc ships)	GROS Armed Forces data collection DASA ⁶ TSP 8 Regular Forces by Age and Sex	June 2008
Residential School	SG School Census	2008
Hotel and Boarding House	2001 Census	April 2001
Hostel	2001 Census	April 2001
Other	2001 Census	April 2001

Notes on alternative data sources

Children's Care Home:

The Care Commission were able to provide us with information on the capacity of children's care homes. Using data from the SG publication 'Children Looked After Statistics 2007-08' estimates were made for the number of long stay residents in these homes by gender and age group.

Prisons:

Prisoners with a sentence greater or equal to 6 months were included in the CE figures. This has changed from 2006 when prisoners with a sentence greater or equal to 12 months were included. This was changed to agree with the census definition, which states that prisoners with a sentence of 6 months or more will be residents of the prison and all others will be deemed as visitors.

¹ ISD SHRUGS: Scottish Health Resource Utilisation Groups – collects data to describe the characteristics of elderly long stay patients within hospitals.

² SMR01: Inpatient admissions and discharges in acute hospitals (non-obstetric, non-psychiatric)

³ SMR04: Inpatient admissions and discharges in mental illness hospitals and psychiatric units in Scotland

⁴ ISD SMR50: Geriatric Long Stay Record – Collects patient based data on inpatient admissions to and discharges from hospitals and units providing long stay geriatric care.

⁵ HESA: Higher Education Statistics Agency

⁶ DASA: Defence Analytical Services and Advice

Hospitals:

The Information Services Division (ISD) of the NHS provided all data on long stay patients in hospitals. Previously the dataset SMR50 provided good information for geriatric long stay patients, this dataset is no longer collected. The SHRUGS dataset has been used to substitute for SMR50, three years of data were combined in order to achieve complete coverage of hospitals. Other data sources provided information for patients in psychiatric or acute hospitals.

Checks were also made to ensure that there were no overlaps with the Adult Care Homes data.

Student Halls of Residence:

For the first time in 2008 we were able to access aggregated HESA data that provided information on the gender and age profile of students living in halls of residence. This profile was applied to capacities of halls of residence that was sourced from a combination of data collected by GROS in preparation for the 2011 census and data that had been previously collected in 2006.

Adult Care Homes:

Data for Adult Care Homes comes from the SG Care Home Census and the most recent data that was available was for 2007. Checks were made to ensure that there were no overlaps with Hospitals data.

Defence establishments:

The number of personnel in barracks was sourced from a data collection that GROS undertakes each year. The age and gender profile of these personnel were estimated using the DASA dataset "TSP 8, Regular Forces by Age and Sex"

Residential School

For the first time this year we have sourced data from the SG School Census. This gives details on the number, gender and age profile for students in residential schools.

Hotels, Hostels, Civilian Ships and other:

This data was taken from the 2001 Census.

4. Consultation with PAMS LA members

In February, GROS sent each council the figures on residents in CEs in their area for consultation. Councils were asked to respond if they wanted to query any of our figures and 12 out of the 32 council areas replied.

Councils were generally happy with the figures but some were concerned that the figures for adult care homes in particular should be slightly higher. Further investigation showed that councils tend to have figures related to the capacity of an institution whereas the GROS figures relate to only long stay residents, which may be the reason behind some of the differences. A few duplicates in our data were spotted and have since been removed. In addition Highland and Falkirk council provided details of a few additional CEs that have now been added to our figures.

5. Comparison of CE figures

Table 2 shows the 2008 communal establishment figures for Scotland by council area and by the type of establishment.

Table 3 shows the 2008 communal establishment figures for Scotland by council area and by age group.

Chart 1 compares CE figures by Local Authority for years 2001, 2006 and 2008. Some of the largest differences in CE figures from 2006 to 2008 are for the following Local Authorities.

Aberdeen City	There was an increase of 1,500 students in CEs compared to those recorded in 2006
Argyll & Bute	There was a change in the composition of Armed Forces personnel with 1,200 more in barracks accommodation and less in married quarters.
Dundee City	There was an increase of 1,900 students in CEs compared to those recorded in 2006.
East Lothian	The new Queen Margaret University campus which opened in October 2007 has accommodation for 800 students and is now located in East Lothian.
Glasgow City	There was an increase of 1,200 students in CEs compared to those recorded in 2006
Midlothian	There was an increase of 280 personnel recorded in Armed Forces establishments. In addition there was an increase of 90 students in CEs due to those recorded in accommodation at Jewel and Esk & Newbattle Colleges.
Clackmannanshire	There was an increase of 270 prisoners recorded at HM Prison & Young Offenders Institute in Alloa.

Chart 2 compares CE figures by type of establishment for 2006 and 2008. The biggest increase has been for students living in CEs and this may be mainly due to an increase in private providers.

6. Next steps

If HARG members are in agreement, GROS will include the 2008 CE figures in the 2008-based household projections calculation.

Note:

HARG members are asked to state whether they are satisfied that the 2008 communal establishment figures should be included in the 2008-based projections.

GROS Household Estimates and Projections branch
March 2010

Table 2: Number of communal establishment residents in 2008 for Scotland by type and council area.

Local Authority	Adult Care	Children's Care	Residential School	Armed Forces	Hospital	Prison	Student Accomodation	Hostels	Hotels and boarding houses	Other	Total
Aberdeen City	1,610	100	70	0	470	80	6,270	180	140	130	9,040
Aberdeenshire	1,430	10	30	20	60	300	0	0	180	10	2,050
Angus	900	10	20	0	190	140	0	0	50	0	1,300
Argyll & Bute	550	150	60	2,030	110	0	0	70	250	120	3,340
Clackmannanshire	230	0	90	0	20	700	0	0	0	10	1,050
Dumfries & Galloway	840	90	20	0	140	130	40	10	100	190	1,570
Dundee City	790	30	10	0	60	0	3,640	220	30	70	4,850
East Ayrshire	670	30	90	0	30	510	0	30	0	20	1,380
East Dunbartonshire	400	10	10	0	70	0	0	0	10	40	530
East Lothian	570	10	330	0	80	0	800	0	60	40	1,900
East Renfrewshire	470	0	0	0	20	0	0	0	0	50	550
Edinburgh	2,550	90	990	1,260	560	540	8,600	360	160	210	15,300
Eilean Siar	150	0	0	10	70	0	30	0	10	0	270
Falkirk	850	20	0	0	170	480	0	30	20	20	1,590
Fife	1,960	90	160	490	590	0	3,560	120	90	100	7,170
Glasgow City	3,480	210	50	10	1,230	830	8,720	860	80	170	15,640
Highland	1,770	160	0	480	70	50	100	100	430	350	3,510
Inverclyde	590	30	0	0	170	180	160	50	0	20	1,200
Midlothian	590	10	10	280	30	0	90	0	10	30	1,050
Moray	460	10	480	1,160	120	0	0	20	20	90	2,360
North Ayrshire	900	30	40	0	20	0	0	50	60	60	1,160
North Lanarkshire	1,560	20	20	0	330	540	50	50	0	150	2,720
Orkney	80	80	0	0	10	0	0	0	10	0	180
Perth & Kinross	1,170	20	930	0	140	710	0	80	600	60	3,700
Renfrewshire	1,020	50	90	0	320	0	630	10	10	70	2,200
Scottish Borders	590	10	30	0	60	0	200	10	90	20	1,000
Shetland	90	70	0	0	10	0	30	30	30	20	260
South Ayrshire	750	20	0	0	110	0	180	20	100	90	1,260
South Lanarkshire	2,090	60	10	0	380	0	160	60	0	40	2,780
Stirling	580	20	300	0	40	220	2,800	30	200	60	4,250
West Dunbartonshire	420	20	0	0	50	0	0	10	10	30	540
West Lothian	710	30	40	0	90	0	170	40	10	60	1,130
Scotland	30,780	1,510	3,890	5,740	5,790	5,410	36,220	2,430	2,760	2,300	96,830

Figures are rounded to the nearest 10

Table 3: Number of communal establishment residents in 2008 for Scotland by age group and council area

Local Authority	0-15	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90 +	Total
Aberdeen City	150	2,520	3,150	780	280	180	130	120	120	110	110	140	130	240	300	270	320	9,040
Aberdeenshire	60	20	70	50	60	70	80	90	80	60	70	70	100	180	270	330	380	2,050
Angus	20	20	30	50	30	40	60	50	40	50	30	60	60	90	200	200	270	1,300
Argyll & Bute	220	220	530	470	320	400	270	150	70	30	20	40	60	70	140	150	160	3,340
Clackmannanshire	50	50	120	150	130	130	110	60	40	20	10	10	20	30	30	50	40	1,050
Dumfries & Galloway	110	70	60	60	70	60	40	60	50	40	40	40	80	110	220	220	260	1,570
Dundee City	40	1,570	1,570	290	180	100	80	90	70	40	50	50	70	100	160	190	200	4,850
East Ayrshire	80	40	130	130	100	70	80	50	30	20	40	30	50	90	130	170	140	1,380
East Dunbartonshire	10	10	0	10	10	20	30	20	20	20	20	20	30	70	60	90	110	530
East Lothian	240	500	310	80	30	20	20	10	10	10	10	30	50	90	160	140	190	1,900
East Renfrewshire	0	0	0	0	0	0	0	0	10	0	10	20	30	70	110	150	140	550
Edinburgh	620	4,340	3,720	1,640	760	580	350	220	190	140	140	230	130	380	530	630	710	15,300
Eilean Siar	0	10	10	10	10	0	10	10	10	10	0	10	20	20	50	40	70	270
Falkirk	20	330	190	10	20	30	30	30	30	30	30	50	80	120	220	210	160	1,590
Fife	220	1,040	2,270	550	210	180	160	150	120	90	90	100	170	290	440	540	540	7,170
Glasgow City	230	3,940	3,550	1,360	720	510	390	330	260	270	270	370	410	580	860	790	770	15,640
Highland	150	210	400	280	190	150	130	130	100	90	90	80	150	220	370	350	420	3,510
Inverclyde	20	140	100	50	60	30	60	50	60	40	40	50	50	90	140	120	120	1,200
Midlothian	20	100	100	70	60	60	40	30	20	20	30	30	60	70	110	110	140	1,050
Moray	230	310	220	260	170	240	170	110	60	30	20	30	30	70	110	130	160	2,360
North Ayrshire	80	30	40	30	20	20	20	20	20	20	20	40	50	110	190	210	220	1,160
North Lanarkshire	40	50	100	130	140	130	120	110	90	100	110	120	160	280	390	370	280	2,720
Orkney	70	10	0	0	10	0	0	0	0	0	0	0	10	10	20	20	20	180
Perth & Kinross	570	570	320	290	150	180	170	120	100	90	70	60	90	120	220	290	290	3,700
Renfrewshire	110	60	430	160	70	50	40	40	40	30	40	60	100	160	280	270	270	2,200
Scottish Borders	40	90	150	40	30	30	20	20	30	30	20	30	40	50	110	130	160	1,000
Shetland Islands	70	30	20	10	10	10	10	10	10	0	0	0	0	10	20	30	20	260
South Ayrshire	20	90	100	50	20	30	20	20	40	30	40	30	60	90	180	180	260	1,260
South Lanarkshire	60	100	90	30	20	40	60	70	90	110	80	120	190	300	420	470	530	2,780
Stirling	270	1,080	1,650	280	110	90	60	40	50	30	30	20	50	70	120	140	160	4,250
West Dunbartonshire	30	10	0	10	10	0	0	10	10	10	20	30	30	60	90	100	120	540
West Lothian	40	120	100	10	10	10	20	20	20	30	30	40	60	130	160	170	170	1,130
Scotland	3,920	17,670	19,520	7,370	3,990	3,460	2,770	2,240	1,860	1,620	1,590	1,990	2,620	4,350	6,820	7,230	7,790	96,830

Figures are rounded to the nearest 10

Chart 1: Comparison of CE figures by Local Authority for years 2001, 2006 and 2008

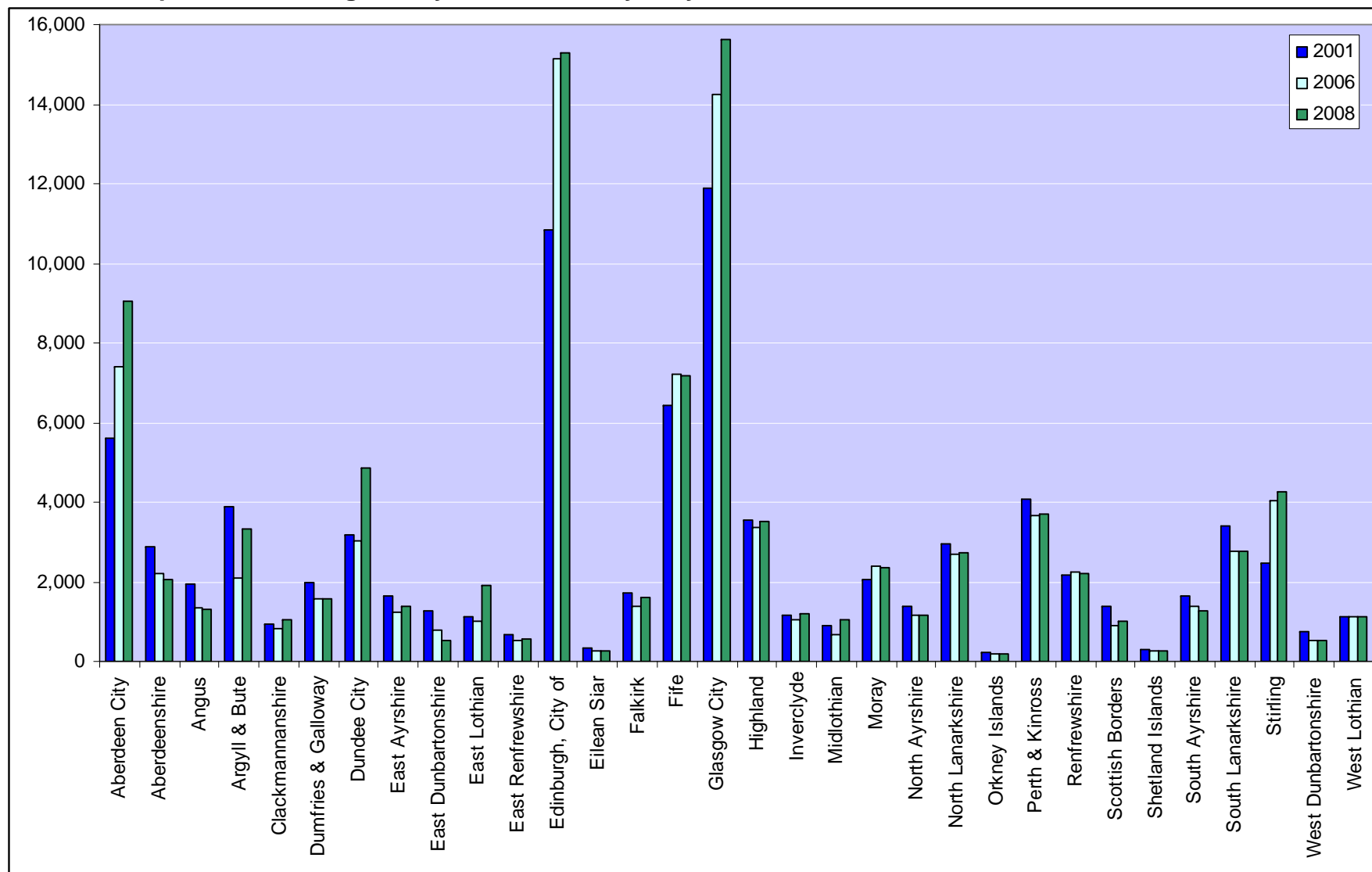


Chart 2: Comparison of CE figures by establishment type for years 2006 and 2008

