

**HOUSEHOLD ANALYSIS REVIEW GROUP: PROGRESS REPORT ON  
COMMUNAL ESTABLISHMENTS****Purpose**

1. At the last HARG meeting it was agreed that GROS would continue to investigate potential sources for the collection of data on Communal Establishments (CEs) on a regular basis, and quality issues. This paper informs HARG members about the progress done in this field, which is summarised in Table 1. It also presents some very preliminary comparisons between the 2001 Census figures and the data provided by alternative sources (Tables 2 and 3).
2. HARG members are invited to comment on:
  - a) any alternative sources of data on CEs that they are aware of, especially for those cases where no source has been found yet (including students).
  - b) the gaps/ problems identified.
  - c) the results of the initial comparisons with the Census.

**Background**

3. As explained in HARG 2005(5), a better source of data on CEs would help improve the quality of household projections and mid-year population estimates and it would also aid the identification of Communal Establishments for enumeration on 2011 Census. For these uses, the required information for each CE is:
  - a) Number of residents at or near to June each year.
  - b) The age band and sex of residents
  - c) Postcode of the CE (to allow figures to be produced at data zone level)
4. GRO(S) presented at the last HARG meeting a list of alternative sources for each classification of CE recorded in 2001 Census and HARG members agreed that GRO(S) continued to investigate those sources.

**Progress**

5. Table 1 enclosed summarises the progress done so far in investigating the alternative sources. It presents, for each type of CE recorded in the 2001 Census, the alternative source contacted, the data received by GROS and the problems identified so far.
6. The CEs for which no source has been found after the first rounds of contacts are:
  - a) Education establishments – some information is available, but it is not comprehensive. GRO(S) is considering setting up a new data collection to gather data on students living in Halls of Residence.
  - b) Hotel, boarding house, guest house

- c) Hostel (including youth hostels and hostels for the homeless) – though some may be included as children’s homes or residential care homes.
- d) Civilian ship, boat or barge
- e) Other (includes religious establishments)

### **Preliminary comparisons with 2001 Census**

- 7. Some initial comparisons have been carried out - the results are still under investigation and further comparisons need to be done. Table 2 shows 2001 Census number of CEs in comparison with the corresponding number coming from alternative sources. Table 3 presents 2001 Census population living in CEs in comparison with the one calculated from alternative sources.
- 8. Initial identified sources of discrepancies:

#### **Hospitals**

- To account for possible differences in definitions of the different types of hospitals, a column was included which shows the total number of hospitals. The overall number of hospitals differs slightly (with a significant difference seen in Highland, Aberdeenshire, Dumfries & Galloway and Edinburgh), with more significant differences in the number of residents, which could be explained by different definitions of residents.

- Psychiatric hospitals: the data received from ISD contain some Nursing homes (these might have been included under the category “Nursing home” in the Census). Additionally, some establishments in the ISD list might have been considered to be a single establishment in the Census (different parts of the same hospital). Also, there is a slight time difference between Census (April 2001) and ISD data (June 2001) which may affect the comparison (especially in terms of number of residents)

- Other Hospital: ISD geriatric hospital list is compared to Census “Other Hospital” category, which might have included more types of hospitals.

- Particularly big differences in the number of residents which are not explained by a difference in the number of establishments are found in Falkirk and South Lanarkshire. This requires further investigation.

- **Children’s homes:** Substantial differences were identified in the number of homes and residents. Care Commission figures on the number of registered places are compared to the 2001 Census number of actual residents, which might explain some of the differences in Table 3. The biggest differences are in Aberdeen, Edinburgh, Glasgow, and Perth & Kinross. SE Children’s Statistics on residential accommodation will be used to carry out further comparisons. Also, an analysis of which establishments were considered as “Children’s homes” in the Census and which are included in the Care Commission figures needs to be done.

- **Prison Service Establishments:** Figures on the number of prisons are very similar. There are larger differences in the number of residents but again, this could be caused by differences in definitions, and possibly the time lag

between the Census and mid-2001 (SE Prison Statistics correspond to June 2001)

- Differences between Local Authorities with common boundaries will also be investigated, to take into account the effect of changes in postcodes and the Local Authority they were assigned to.

### **Next steps**

9. GROS household estimates and demography branches will continue to collaborate with other SE Departments to obtain the data for Education Establishments and Adult Care homes. They will also continue to investigate the whole set of data provided by the alternative sources and will complete the comparisons with the 2001 Census data.

GROS: Household estimates branch  
May 2005

Table 1: Summary on alternative sources to collect data on the types of Communal Establishments recorded in 2001 Census

Establishment type	Source	Available data	Problems / Gaps	Establishments (2001 Census)	Residents (2001 Census)
<b>(a) Medical and care establishments</b>					
General hospital	ISD				
Psychiatric hospital/home	ISD	Psychiatric long stay hospital residents June 2001 (postcode, age and sex available)	Initial comparisons with Census	65	3,846
Other hospital	ISD	Geriatric long stay hospital residents 2001-2004 (postcode, age and sex available)	Initial comparisons with Census	183	4,829
Children's home (including secure units)	Care Commission  (SE Children's statistics were contacted: 2003-2004 data from the residential accommodation survey, with number of residents and age-gender split were available but the collection of this data has stopped)	Number of places registered in Children's homes, secure accommodation, boarding schools registered with the Care Commission 2005 (includes postcode for most of the cases)	No number of actual residents, no short/long stay split, no age and gender split School care accommodation is new, might be not complete Occasionally, trouble splitting homes into children/older people Initial comparisons with Census	114	855
Nursing home	SE: Social work statistics	Arrangements to receive data from the survey on all care homes for adults registered with the Care Commission: -Long stay residents 2004 and 2003 (some address details might be missing for 2003)	Some estimates must be done to provide an age-gender split, they are working on this. For 2001 and 2002, different source (two different surveys, one for nursing homes and one for residential homes). Comparison issues, no short/long stay split available, no age-gender split available.	501	21,249
Residential care home				913	15,378
Other medical or care home				149	1,863
<b>Total</b>				<b>1,925</b>	<b>48,020</b>
<b>(b) Other establishments</b>					
Defence establishments (including ships)	GROS: Demography	Armed Forces population estimates by age and gender at datazone level up to 2003 produced by GROS	These are ESTIMATES produced to feed into small area population estimates (SAPes). The Armed Forces returns do not have an age-sex split and this is estimated to prepare SAPes. For 2002 onwards, there are no addresses (inconvenient for 2001 Census)	39	4,934
Prisons and young offenders' institutions	SE: Prison statistics	Number of long term resident prisoners by age and sex for the period mid year 2001-2004 coming from an administrative system run by the Scottish Prison Service (postcode available)	Initial comparisons with Census	17	4,106
Education establishment (including halls of residence)	SE: FE/HE statistics	Number of students on Further Education (FE) by age and sex, 2003	It includes all students in FE, regardless they live in a CE or not. No definitive source of data for Higher Education students at their term-time address has been found. GROS is meeting with Scottish Funding Council to discuss possible data sources and is planning a new data collection of halls of residence	224	21,453
Hotel, boarding house, guest house	No source identified (SE Homelessness statistics and Tourism statistics were contacted)		Homelessness: figures at LA level but with no information on length of stay Tourism: partial, incomplete data, confidentiality issues Residents in hotels and guest houses may be treated as private households in 2011 Census instead of as CEs	1,011	2,758
Hostel (including youth hostels and hostels for the homeless)	SE: Social work/children's statistics		Maybe included in figures from Social Statistics or Care Commission	178	2,427
Civilian ship, boat or barge	No source identified		Only two residents were recorded in the 2001 Census: propose to ignore this category	1	2
Other (includes religious establishments)	No source identified		No information on the type of establishment included here is available and the option could be to project forward the Census figures	1,695	2,306
<b>Total</b>				<b>3,165</b>	<b>37,986</b>
<b>Total for all communal establishments</b>				<b>5,090</b>	<b>86,006</b>

Table 2: Comparisons between number of CE in the Census 2001 and in the alternative sources

SOURCE	TOTAL HOSPITALS						CHILDREN'S HOME (including secure units)		PRISON SERVICE ESTABLISHMENTS	
	TOTAL		PSYCHIATRIC HOSPITAL		OTHER HOSPITAL		CENSUS	CARE COMMISSION 2005	CENSUS	SE PRISON STATISTICS 2001
	CENSUS (2001)	ISD (2001)	CENSUS (2001)	ISD (June 2001)	CENSUS	ISD (GERIATRIC HOSPITAL) 2001				
<b>TOTAL</b>	<b>248</b>	<b>262</b>	<b>65</b>	<b>134</b>	<b>183</b>	<b>128</b>	<b>114</b>	<b>193</b>	<b>17</b>	<b>18</b>
Aberdeen City	8	6	4	4	4	2	4	6	1	1
Aberdeenshire	11	17	2	8	9	9	2	3	1	1
Angus	12	12	3	7	9	5	2	3	1	1
Argyll & Bute	9	7	1	1	8	6	3	4	0	0
Clackmannanshire	2	2	0	1	2	1	2	1	1	2
Dumfries & Galloway	19	24	6	16	13	8	8	10	1	1
Dundee City	6	3	2	2	4	1	4	7	0	0
East Ayrshire	6	6	1	3	5	3	2	4	1	1
East Dunbartonshire	3	6	1	4	2	2	2	3	1	1
East Lothian	4	6	1	3	3	3	1	3	0	0
East Renfrewshire	1	1	0	0	1	1	0	1	0	0
Edinburgh, City of	14	20	2	13	12	7	11	20	1	1
Eilean Siar	4	4	0	1	4	3	1	1	0	0
Falkirk	10	8	3	5	7	3	1	1	1	1
Fife	12	14	2	4	10	10	8	4	0	0
Glasgow City	16	15	7	10	9	5	14	25	1	1
Highland	23	12	6	5	17	7	2	7	1	1
Inverclyde	2	4	1	2	1	2	2	6	1	1
Midlothian	3	3	1	2	2	1	1	3	0	0
Moray	8	9	1	3	7	6	2	4	0	0
North Ayrshire	4	5	0	2	4	3	8	3	0	0
North Lanarkshire	11	13	6	7	5	6	5	7	1	1
Orkney Islands	2	2	0	0	2	2	1	2	0	0
Perth & Kinross	7	8	1	3	6	5	4	6	3	2
Renfrewshire	6	7	4	4	2	3	8	11	0	0
Scottish Borders	12	13	4	6	8	7	1	2	0	0
Shetland Islands	2	1	0	0	2	1	1	4	0	0
South Ayrshire	4	3	1	2	3	1	0	1	0	0
South Lanarkshire	15	17	3	9	12	8	6	7	0	0
Stirling	4	4	0	2	4	2	1	3	1	1
West Dunbartonshire	2	3	0	1	2	2	4	4	0	0
West Lothian	6	6	2	3	4	3	3	5	0	0
Non allocated		1		1				22		1

Note: The alternative sources provided GROS with a list with the address of each establishment, including postcode, but not Local Authority. The figures at Local Authority level in the Table were calculated by GROS by matching the postcodes with the latest version of GROS Postcode Index File to determine the Local Authority

Table 3: Comparisons between CE population in the Census 2001 and in the alternative sources

SOURCE	TOTAL HOSPITALS						CHILDREN'S HOME (including secure units)	PRISON SERVICE ESTABLISHMENTS		
	TOTAL		PSYCHIATRIC HOSPITAL		OTHER HOSPITAL					
	CENSUS (2001)	ISD (2001)	CENSUS (2001)	ISD (June2001)	CENSUS	ISD (GERIATRIC HOSPITAL) 2001	CENSUS	CARE COMMISSION 2005	CENSUS	SE PRISON STATISTICS 2001
<b>TOTAL</b>	<b>8,675</b>	<b>7,655</b>	<b>3,846</b>	<b>4,636</b>	<b>4,829</b>	<b>3,019</b>	<b>855</b>	<b>2,195</b>	<b>4,106</b>	<b>2,954</b>
Aberdeen City	600	347	294	234	306	113	18	213	50	48
Aberdeenshire	320	275	140	199	180	76	10	14	289	276
Angus	409	419	89	261	320	158	30	39	101	94
Argyll & Bute	229	187	105	80	124	107	23	29	0	0
Clackmannanshire	59	35	0	6	59	29	12	23	535	431
Dumfries & Galloway	154	198	47	125	107	73	38	62	102	61
Dundee City	236	117	172	91	64	26	19	51	0	0
East Ayrshire	235	163	33	49	202	114	14	60	431	319
East Dunbartonshire	212	361	55	179	157	182	39	36	244	40
East Lothian	65	59	10	31	55	28	6	17	0	0
East Renfrewshire	72	2	0	0	72	2	0	6	0	0
Edinburgh, City of	732	804	329	490	403	314	61	262	355	205
Eilean Siar	85	100	0	67	85	33	4	5	0	0
Falkirk	511	88	171	13	340	75	7	4	290	184
Fife	596	585	245	402	351	183	31	59	0	0
Glasgow City	660	790	496	475	164	315	95	242	499	218
Highland	237	182	128	145	109	37	8	42	80	17
Inverclyde	230	195	184	99	46	96	8	44	99	130
Midlothian	78	68	37	37	41	31	3	28	0	0
Moray	99	141	20	29	79	112	7	24	0	0
North Ayrshire	66	159	0	66	66	93	111	109	0	0
North Lanarkshire	372	532	261	393	111	139	49	83	509	473
Orkney Islands	36	86	0	0	36	86	1	9	0	0
Perth & Kinross	177	85	87	57	90	28	29	126	419	388
Renfrewshire	585	612	401	385	184	227	127	186	0	0
Scottish Borders	153	98	30	51	123	47	5	11	0	0
Shetland Islands	38	31	0	0	38	31	0	19	0	0
South Ayrshire	251	218	146	184	105	34	0	12	0	0
South Lanarkshire	835	425	283	316	552	109	64	53	0	0
Stirling	113	43	0	7	113	36	6	71	103	69
West Dunbartonshire	96	80	0	31	96	49	17	28	0	0
West Lothian	134	136	83	100	51	36	13	52	0	0
Non allocated		34		34				176		1

Note: The alternative sources provided GROS with a list with the address of each establishment, including postcode, but not Local Authority. The figures at Local Authority level in the Table were calculated by GROS by matching the postcodes with the latest version of GROS Postcode Index File to determine the Local Authority