

## ESTIMATION OF THE CHANGE IN 'BEDDAYS LOST' BETWEEN 2001 AND THE BASE DELAYED DISCHARGE CENSUS IN OCTOBER 2014

- At the October 2014 Census there were 321 people in Scotland recorded as Standard delays where the delay was 4 weeks or more. In the period from 2001 to 2006 this number was considerably higher (as shown in the table and illustrated in the Historical Trend Figure 1c).
- The numbers delayed under 4 weeks at the Census points across the decade are less variable overall than with the longer delays but it is arguable that within these totals there are likely to be relatively longer delays in the early part of the decade.
- On an assumption that almost all of the people delayed 4 weeks and over at the Census point had been delayed in a hospital bed for the whole of the preceding month, the 321 people delayed 4 weeks or more would have used 9710 beddays approximately.
- The equivalent beddays in the Censuses in 2006 and earlier is somewhat higher.
- Using the October 2014 Census as the benchmark the difference in beddays lost accounted for by the long delays can be calculated for the earlier Censuses. This gives estimates of the higher beddays lost in the earlier years.
- Because the category of Code 9 was only introduced in 2006 these differences are notionally reduced by 20% (an estimate of the Code 9 effect).
- The differences between the historic Census point estimates for beddays lost in the month of the Census can be scaled up to give an estimated annual difference.

| Estimation of extra beddays lost in earlier years |                |        |       |  |   |                            |                                      |
|---|----------------|--------|-------|--|---|----------------------------|--------------------------------------|
|   | Census numbers |        |       | est. beddays lost in month             |   |                            | est. for year                        |
|   | Census         | 4-6wks | 6+wks | Estimated beddays lost 4+ weeks delays | Unadjusted difference against base year | Adjusted difference (-20%) | Estimated difference in beddays lost |
| Base census                                       | Oct-14         | 106    | 215   | 9710                                   |   |                            |                                      |
| Historic censuses                                 | Oct-06         | 229    | 679   | 27,467                                 | 17,757                                  | 14,205                     | <b>170,465</b>                       |
|   | Oct-05         | 178    | 875   | 31,853                                 | 22,143                                  | 17,714                     | <b>212,573</b>                       |
|   | Oct-01         | 245    | 2162  | 72,812                                 | 63,102                                  | 50,481                     | <b>605,774</b>                       |

Note: these estimates take into account only patients who were delayed 4+ weeks at the Census point

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Figure 1c NHS Delayed Discharges by length of delay (excluding code 9s and delays of 3 days or less): Scotland; Historical Trend July 2001 to October 2014

<http://www.isdscotland.org/Health-Topics/Health-and-Social-Community-Care/Delayed-Discharges/Previous-Publications/>