Contraceptive Services, England - Additional Analysis from the Sexual and Reproductive Health Activity Dataset, 2013

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Contents

Introduction ....................................................... 4
Feedback Required ............................................. 4
Comparability with Tables in Main Report ......... 4
Introduction

This report contains some example analyses from the Sexual and Reproductive Health Activity Dataset (SRHAD). SRHAD formally replaced the KT31 aggregate data collection on 1 April 2014 and will be used as the sole data source for the NHS Contraceptive Services report in 2014/15 and future years. The most recent report¹ contained a mixture of SRHAD and KT31 data as it covered the last financial year in which providers could still submit a KT31 return. 133 services had successfully transferred to submitting SRHAD data for 2013/14 and this was combined with the KT31 data for the remaining 14 services to provide a dataset which covered all providers.

Public Health England (PHE) have carried out some analysis of the SRHAD data submitted for the 2013 calendar year and made this available to Local Authorities through their Local Authority Sexual health Epidemiology Reports (LASERs). Note that this only covers SRHAD data and none of the submitted KT31 data is used.

Data from the LASERs is presented as a series of excel tables at Local Authority (LA) level in this report as examples of the types of analysis which are possible from the SRHAD dataset. In addition, the 2013/14 NHS Contraceptive Services report also contained two tables using only SRHAD data as examples.

Feedback Required

We would welcome feedback from users on which of the tables in this report you would like to see incorporated into the main NHS Contraceptive Services report in the future. We would also like to know whether you would like this information just on an aggregated national level or whether a breakdown by LA is required.

We would also like to know if users would require additional analyses not presented in these tables. If so, can you please let us know what you require and why it would be useful to you.

Please send your feedback to enquiries@hscic.gov.uk and copied to srhad@phe.gov.uk quoting “NHS Contraceptive Services” in the subject line.

Comparability with Tables in Main Report

Some of the figures presented in this report may look as if they should match those published in the NHS Contraceptive Services report. However, they will differ for the following reasons:

1. **The time period is different.** The analyses presented in this annex cover the calendar year 2013 whereas the tables in the main report cover the financial year 2013-14. These tables are introduced and integrated into an existing report produced at local authority level which reports on the calendar year. In order to prevent disclosure of small numbers, all numbers are rounded to the nearest 5 in the tables².

2. **The coverage is different.** The analyses presented in this annex only includes SRHAD data whereas the tables in the NHS Contraceptive Services report included SRHAD data as

¹ Available at [http://www.hscic.gov.uk/catalogue/PUB15746](http://www.hscic.gov.uk/catalogue/PUB15746)
² 0-2 has been rounded to 0, 3-7 has been rounded to 5 and so on. Local Authorities will be able to see their exact numbers in their respective LASER report.
well as KT31 data for those services that have yet to implement SRHAD\(^3\). In addition, data has been grossed up to be representative of a full year in the NHS Contraceptive Services report for organisations which only started submitting SRHAD data part way through the year. No data have been grossed up in this report. The figures in tables 1-6 should be looked at in conjunction with table 7 which gives a full list of services submitting SRHAD data by quarter. Any figures for local authorities containing or near to clinics which have not submitted a full year’s worth of data may be underestimates.

3. **Additional validation** – The data used within the tables in the NHS Contraceptive Services report is as submitted by the provider organisation after it has gone through validation at submission. A total of 1,975,630 records were supplied for analysis and they underwent some further validation by PHE which is described below:

- **Validations and corrections made to each patient’s records**

  The number of patients can be determined by use of the clinic id and patient id. If a patient attended a clinic more than once throughout the year, his/her demographic details are validated and corrected as below:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>age</td>
<td>As the data covers a period of one year then records for the same individual may have a different age. Therefore an age difference of 1 year was permitted and was corrected to the older age for analysis purposes (360,916 records). However, where the age difference was more than 1 year, it was corrected to unknown which affected 1,417 records. If a patient had 2 ages recorded, one of which was 0, his/her maximum age was chosen. This affected 2 records. Records with age 0-7 years were corrected to unknown ages. This affected 14 records.</td>
</tr>
<tr>
<td>ethnicity</td>
<td>Records with conflicting ethnicity information were corrected to unknown ethnicity. This affected 16,188 records.</td>
</tr>
<tr>
<td>gender</td>
<td>Gender discrepancy observed for patients within the year had gender corrected to unknown. This affected 737 records. Records with an unknown or unspecified gender which had contraception methods that were only available to females had gender corrected to female. This affected 713 records. Similarly, records with an unknown or unspecified gender which had sexual and reproductive healthcare activities that were only available to females had gender corrected to female. This affected 147 records.</td>
</tr>
</tbody>
</table>

- Any conflicting information observed for LSOA of residence on the same attendance date by the same patients, were corrected to unknown. This affected 697 records.

\(^3\) This does not apply to the two example tables in the NHS Contraceptive Services report which also only used SRHAD data.
Duplicates, defined as patients receiving identical contraception, sexual and reproductive healthcare from the same service on the same date, were removed. This removed 3,684 records.