

Data abstracted from obstetric clinical records

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To all data users: Please note this is not a standard dataset - it does not cover the whole cohort in the usual manner: the case selection was NOT random. Please read Section I 'The Background' prior to requesting/using this dataset.

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THE APPENDICES

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- D. The results of ultrasound examinations
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I. THE BACKGROUND

I.1. Reasons for data abstraction from obstetric and neonatal medical records

Although much information has been collected from the mother using self-completion questionnaires, in regard to her signs and symptoms, medication and treatment during pregnancy, delivery and postpartum, data collected from clinical records includes information that cannot be obtained in other ways. Therefore the plans from the onset were to obtain such data.

I.2. Historical development of the data abstraction forms

There were a number of influences on the development of the forms used for data abstraction. These were partly based on information used in other studies (e.g. the 1958 and 1970 birth cohort studies), but the major influences (particularly in regard to recording data relevant to studies concerning the hypertensive disorders of pregnancy) were those developed by JG and colleagues for (a) the International Study of the Hypertensive Disorders of Pregnancy funded by WHO which took place in a number of developing countries including Thailand, Vietnam and China.^{1,2} (b) A randomised controlled trial of low dose aspirin for the possible prevention of pre-eclampsia in Jamaica.³

The latter studies showed the importance of collecting the actual measurements (e.g. of blood pressure, proteinuria, haemoglobin) rather than relying on clinical diagnoses which were likely to vary with the clinician/hospital/country. This background dictated the importance of abstracting as many measurements as possible, as well as details of investigations and treatments. The data abstraction form is reproduced in Appendix A.

I.3. Structure of the obstetric services in Avon 1990-2

The study area was served by consultant obstetric services based in the two major obstetric hospitals: Southmead Hospital and the Bristol Maternity Hospital (BMH), subsequently called St Michael's Hospital. In addition deliveries of low-risk pregnancies were undertaken at Weston General Hospital (WGH). There were dedicated neonatal intensive care and special care baby units at BMH and Southmead but not at WGH. All deliveries were free as part of the National Health Service (NHS).

Antenatal care was undertaken by general practitioners and community midwives. For most pregnancies one of the consultant obstetricians would also have been involved and provided he/she was happy that the woman was not of very high risk, she would have had "shared care". Very few women intended to have a home delivery. As far as is known, all antenatal care was undertaken within the NHS.

Thus for women enrolled in ALSPAC the system for antenatal care in those at low risk involved shared care between hospital-based consultant obstetricians and midwives based in the community and working with the woman's general practitioner. Women at high risk would be more likely to have been seen throughout by the clinical obstetric services, mainly within the relevant hospital although some obstetricians visited community clinics. Very few mothers used private care.

The protocols used by the medical staff at each of the 3 hospitals have been added to the ALSPAC archive as part of the University of Bristol Special Collections. The protocols should be used with caution as we know these guidelines were not always adhered to.

I.4. Extraction of information from the records

The hand written measurements and observations made in the community and those made in hospital were all combined in one record folder. Important information could be found in many different places within the records, having been documented by medical and nursing/midwifery staff. This requires meticulous systematic scrutiny in order to abstract accurate data. Details of all pregnancy-related hospital admissions were also included in the record. For complex pregnancies the folder could be as thick as 6-8 inches, with A4 paper handwritten on both sides.

Storage of records

Initial funding for ALSPAC was used for collection of data from mothers and their partners as well as for processing and storage of biological samples. It was considered that the obstetric records could be accessed and extracted as and when funding became available. Although unavoidable there was a major disadvantage with this strategy in that the major hospitals became short of storage space for records, and they were, by 2006, in 19 different sites. Consequently searching for any particular record took an average of 2 hours.

Obstetric records may also be stored in non-paper formats (optical discs or microfiche). Electronic tracing of hospital records were inefficient with the systems frequently inaccurate and not kept up to date. Extensive knowledge of both the computer systems and physical environment was necessary to locate the records. Double or triple registration with equivalent sets of notes was not uncommon after a merger of two of the hospital records departments.

I.5. Funding mechanisms

Data extraction is expensive because it is extremely time consuming. The study was unable to obtain funding to obtain the full set of detailed obstetric records. The fall-back position was, therefore, to use grants for specific projects.

As shown in Appendix B, a number of funders were involved in these projects. These included NHS Executive, BUPA Foundation, Children Nationwide, NHMRC (Australia), Mental Health Foundation, and the Department of Health.

I.6. Statistical analysis using the subgroup design

For analysis of the 8369 pregnancies, it is important to note the biases in ascertainment of some of these groups. There are a number of ways in which these could be addressed in statistical analyses, as outlined briefly below.

- (a) If there is sufficient power, we recommend using the random sample [P1].
- (b) An alternative is to include with P1 the randomly ascertained group of pregnancies with livebirths followed up as Children in Focus[P8], possibly augmented with the teenage pregnancies[P2].

- (c) Use all the groups together but use conditional analytic strategies taking account of group.

1.7. Selection of subgroups

As noted in 1.5 funding for extracting the data from the obstetric and neonatal notes developed as the result of specific projects and grants (see Appendix B). This resulted in the 8369 pregnancies on the delivery file being initially selected for a variety of reasons including: the child had cerebral palsy, died perinatally, was from a multiple pregnancy, was delivered preterm, was a child of a teenage mother, was born by caesarean section or attended the Children in Focus clinics. There was, in addition, a randomly ascertained sample of 2760 deliveries and a sample of women who were depressed. None of the above groups were mutually exclusive. The ways in which the samples were generated can be accessed as part of the ALSPAC archive.

It is important to note that, in general, the data extractors were not aware as to which group the pregnancy was in. [This of course would have been obvious for selections on the type of delivery, teenage pregnancies, or preterm deliveries, but selections based on maternal depression or child outcome were not revealed to them, and were always mixed with the random control group].

A. The random sample

This sample was chosen at random, initially as a sample to compare with the depressed group (P3), but later augmented.

DEL_P1 The random sample

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2760	13.9	33.0	33.0
	2 No	5609	28.3	67.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

B. Teenage pregnancies

All ALSPAC pregnancies to women <20 at the time of delivery have been included.

DEL_P2 Sample of teenage pregnancies

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	645	3.3	7.7	7.7
	2 No	7697	38.9	92.3	100.0
	Total	8342	42.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	27	.1		
	Total	11445	57.8		
Total		19787	100.0		

[N.B. There were 27 women whose ages at delivery were not available – these were all related to fetal deaths with unknown dates of delivery]

C. Depressed mothers

This sample was selected to include women who were either depressed [EPDS>12] in pregnancy or at 8 weeks post-delivery

DEL_P3 Sample of depressed mums

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1426	7.2	17.0	17.0
	2 No	6943	35.1	83.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

D. Caesarean sections

Pregnancies resulting in caesarean sections were identified from the mothers' questionnaires [at 8 weeks] augmented with cases from the computer system STORK which covered the two major hospitals BMH and Southmead.

DEL_P4 Sample with caesarian section

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1473	7.4	17.6	17.6
	2 No	6896	34.9	82.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

E. Instrumental vaginal deliveries

Pregnancies resulting in instrumental vaginal deliveries were identified from STORK. Consequently deliveries outside these two hospitals but who had instrumental deliveries will not have been selected.

DEL_P5 Sample with instrumental vaginal delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1521	7.7	18.2	18.2
	2 No	6848	34.6	81.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

F. Gestation <36 weeks

In order to answer the question as to the accurate preterm delivery rate within ALSPAC all deliveries with gestation <37 weeks identified using any of: mother's stated EDD, EDD based on LMP, gestation on STORK or paediatric estimate of gestation were considered. If there was consistency, the records were not selected for review; if some estimates were of <37 wk and others were not, they were extracted and a decision made by a consultant obstetrician. Those who were <36 completed weeks are those in Group F; those who were considered are in Group H.

DEL_P6 Sample with gestation less than 36 weeks

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	480	2.4	5.7	5.7
	2 No	7889	39.9	94.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Reference

Little RE, Gladen BC, Birmingham K, Shkyryak-Nyzhnyk ZA, Chyslovska N, ALSPAC Study Team. Preterm birth rates in Avon County, England and urban Ukraine. European Journal of Obstetrics & Gynecology 2004; 113: 154-159.

G. Offspring attended at least one Children in Focus Clinic

Selection of children to be included in Children in Focus: the ~10% sample of children born in the last 6 months of 1992, were chosen using a quasi-random method [if the day of the mother's birth was an odd or even number determined whether or not she would have been eligible]. This sample was chosen to include those who were eligible and actually attended.

DEL_P7 Sample that attended any of the CIF clinics

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1377	7.0	16.5	16.5
	2 No	6992	35.3	83.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

H. Possible preterm delivery

See explanation under F above.

DEL_P8 Sample of possible preterm deliveries

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1022	5.2	12.2	12.2
	2 No	7347	37.1	87.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

J. Offspring possibly had psychosis-like symptoms (PLIKS)

The children at age 12 were interviewed in regard to a number of psychosis – like symptoms. If they were positive on any of the signs, the delivery records were extracted.

DEL_P9 Sample with possible pliks

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	870	4.4	10.4	10.4
	2 No	7499	37.9	89.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

K. Offspring had cerebral palsy

The children with diagnosed cerebral palsy were identified through the Community Child Health system. Only those with a study placenta available were selected.

DEL_P10 Child had cerebral palsy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	18	.1	.2	.2
	2 No	8351	42.2	99.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

L. Pregnancy thought to be multiple, but resulted in a singleton

A study was concerned with testing whether some children with cerebral palsy had been a child of a multiple pregnancy, one of the members of which had been lost during the pregnancy. For this, we identified from the maternal questionnaire all those pregnancies where the mother had indicated that at one stage of pregnancy she had been informed that she had a multiple pregnancy, but in fact she delivered a singleton. [The placentas of all in this group, were examined for signs of a missing twin as were the children with cerebral palsy]

DEL_P11 In missing twin study

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Case	67	.3	.8	.8
	2 Control	124	.6	1.5	2.3
	3 No	8178	41.3	97.7	100.0
Total		8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

M. Offspring in twin/closely spaced singleton study

This study compared the development of twin pairs with singletons with a closely spaced sibling. Extraction of the obstetric and neonatal records was to test whether delay in twin development of speech was related to obstetric problems in pregnancy or whether it concerned the difficulties mothers had in relating to two similarly aged siblings.

DEL_P12 In Rutter/Thorpe study

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not in TL study	8178	41.3	97.7	97.7
	1 Singleton	97	.5	1.2	98.9
	2 Twin	94	.5	1.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

N. Deliveries outside of Avon hospitals

This group includes home deliveries, babies born before arrival or delivered in hospitals outside the Avon area.

DEL_P13 Out of Avon hospital deliveries

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	352	1.8	4.2	4.2
	2 No	8017	40.5	95.8	100.0
	Total	8369	42.3	100.0	
	Missing	11418	57.7		
Total		19787	100.0		

O. Miscellaneous deliveries

DEL_P14 Sample of miscellaneous deliveries

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	40	.2	0.1	100.0
	2 No	8329	42.1	99.9	
	Total	8369	42.3	100.00	
	Missing	11418	57.7		
Total		19787	100.0		

P. Early version of extraction form used

In the first days of the data extraction, the extraction form was considerably shorter than that shown in Appendix A, but included text which described all the abnormalities of the pregnancy. Subsequently in order to save time and provide an appropriate structure, the form was recreated to include specific boxes to be ticked for the various signs and symptoms, medications, investigations and treatments. For many such forms, the early versions were transcribed onto the final format of the form.

DEL_P15 Sample in early version of form

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1529	7.7	18.3	18.3
	2 No	6840	34.6	81.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Q. Multiple births

All pregnancies resulting in a multiple delivery (twins or higher order births) are coded here. However because the triplets and quads would be identifiable, they have not been retained for general release.

Although the pregnancy of the mother is identical for each member of the multiple birth, some details of labour and delivery will differ.

It is important to note that this variable differs from variable P1107 which is concerned with the identification of a multiple pregnancy which may not have continued to delivery.

DEL_P50 mult: Multiple birth

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	188	1.0	2.2	2.2
	2 No	8181	41.3	97.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

I.8. Housekeeping data

Illegibility information

The data abstractors were instructed to make a note of any items in the clinical records that were illegible. They described in text the features that were illegible. Although most of this text has been keyed, it has not been coded. The illegible data may have been related to any phase of the obstetric or neonatal records.

It is suggested that the investigator might leave out such records as part of a sensitivity analysis.

DEL_P150 illeginf: Any information illegible

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	421	2.1	5.1	5.1
	2 No	7913	40.0	94.9	
	Total	8334	42.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	35	.2		
	Total	11453	57.9		
Total		19787	100.0		

Missing information

Variable P151 indicates whether information was missing from the medical records. The DAs were instructed to only code 'yes' if large sections were missing such as nursing notes, but not to include missing path reports.

DEL_P151 missinfo: Any information missing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1039	5.3	12.4	12.4
	2 No	7320	37.0	87.6	
	Total	8359	42.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	10	.1		
	Total	11428	57.8		
Total		19787	100.0		

Identifying information

The data abstractors recorded mother's date of birth and that of the infant. These have been used to ensure that the correct links for the obstetric and neonatal data have been made to the database. They have then been deleted.

Investigators can obtain details of mother's age at delivery and at conception elsewhere in the ALSPAC database.

Release file version history (introduced version 1b)

Release file version 1b – Released May 2019

One variable (DEL_P1330) had data linked to a missing value of '7' (with the value label 'Not applicable'). For consistency with other ALSPAC data, this case has been recoded as '-2' and the '7' missing value dropped from the dataset.

Note also that 16 other variables in this dataset had positive missing values (of '9' or '7'), but none of these other variables had data in any of these categories. These missing value categories have been dropped, but no changes to the data have occurred.

II. THE OBSTETRIC DATA CONCERNING PREGNANCY AND DELIVERY

II.1 Data relating to intended and actual places of delivery, gestation and type of antenatal care

Conception

This concerns whether or not the woman was recorded as conceiving with IVF. Note that detailed information concerning time to pregnancy and treatments to help conceive are available in the B files.

DEL_P1000 B6s: In-vitro fertilisation conception

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	63	.3	.8	.8
	2 No	8306	42.0	99.2	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Type of obstetric care

When the mother presents for antenatal care a decision is taken with her as to where she would best be delivered and the type of antenatal care. The decisions were noted in P1001 and P1003. The actual place of delivery was noted in P1002.

Intended place of delivery

[N.B. The intended place of delivery was also asked of the women in pregnancy (see self-completion B files).

DEL_P1001 A3: Where mother originally intended to deliver

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 BMH St. Michaels	3163	16.0	38.3	38.3
	2 Southmead	4486	22.7	54.3	92.5
	3 Weston	457	2.3	5.5	98.0
	4 Home	64	.3	.8	98.8
	5 Other	99	.5	1.2	100.0
Missing	Total	8269	41.8	100.0	
	-10 Not completed	11418	57.7		
	-9 Can't tell	91	.5		
	-1 Not Answered	9	.0		
Total	Total	11518	58.2		
		19787	100.0		

Actual place of delivery

DEL_P1002 A5: Place of delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 BMH St. Michaels	3189	16.1	38.3	38.3
	2 Southmead	4399	22.2	52.8	91.1
	3 Weston	369	1.9	4.4	95.5
	4 Home	207	1.0	2.5	98.0
	5 Other	169	.9	2.0	100.0
	Total	8333	42.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	36	.2		
	Total	11454	57.9		
Total		19787	100.0		

Antenatal care

DEL_P1003 A6: Type of A/N care

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Shared care	8089	40.9	97.4	97.4
	2 Other care	218	1.1	2.6	100.0
	Total	8307	42.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	62	.3		
	Total	11480	58.0		
Total		19787	100.0		

Gestation

The calculation of gestational age is available from two sources in the obstetric records: (a) from the last menstrual period (LMP), especially if the mother is certain of this; (b) the clinical estimate whereby the clinician uses a variety of information such as the LMP and results of early fetal growth measured using ultrasound scans. Where a number of different clinical estimates were given, the last one recorded as the best estimate is used.

From these data the following are on this file:

(i) Month of last menstrual period

Note that the actual date is not given as this is potentially identifying data.

DEL_P1004 B2amm: Date of last menstrual period: month

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 January	849	4.3	10.3	10.3
	2 February	731	3.7	8.9	19.2
	3 March	627	3.2	7.6	26.9
	4 April	376	1.9	4.6	31.4
	5 May	390	2.0	4.7	36.2
	6 June	475	2.4	5.8	42.0
	7 July	638	3.2	7.8	49.7
	8 August	660	3.3	8.0	57.8
	9 September	829	4.2	10.1	67.8
	10 October	886	4.5	10.8	78.6
	11 November	904	4.6	11.0	89.6
	12 December	853	4.3	10.4	100.0
	Total	8218	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not Answered	150	.8		
	Total	11569	58.5		
Total		19787	100.0		

(ii) Whether or not the mother was certain of the date of LMP

DEL_P1005 B2b: Mother certain of date of LMP

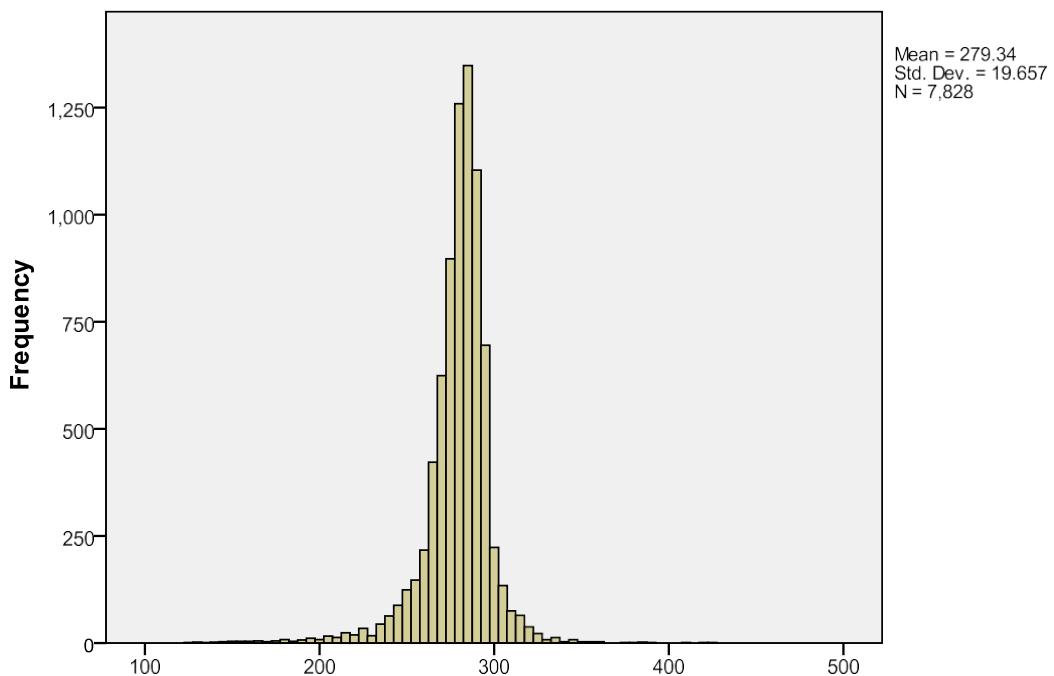
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	6737	34.0	82.4	82.4
	2 No	1441	7.3	17.6	100.0
	Total	8178	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9 Can't tell from notes	58	.3		
	-3 Unsure	80	.4		
	-1 Not Answered	53	.3		
	Total	11609	58.7		
Total		19787	100.0		

- (iii) Gestation at delivery based on LMP regardless of whether mother is certain or not. This is calculated as the length of time from the date of LMP and date of delivery and is presented both as the no. of days and the no. of completed weeks.

DEL_P1006 DV: Gestation in days based on

LMP

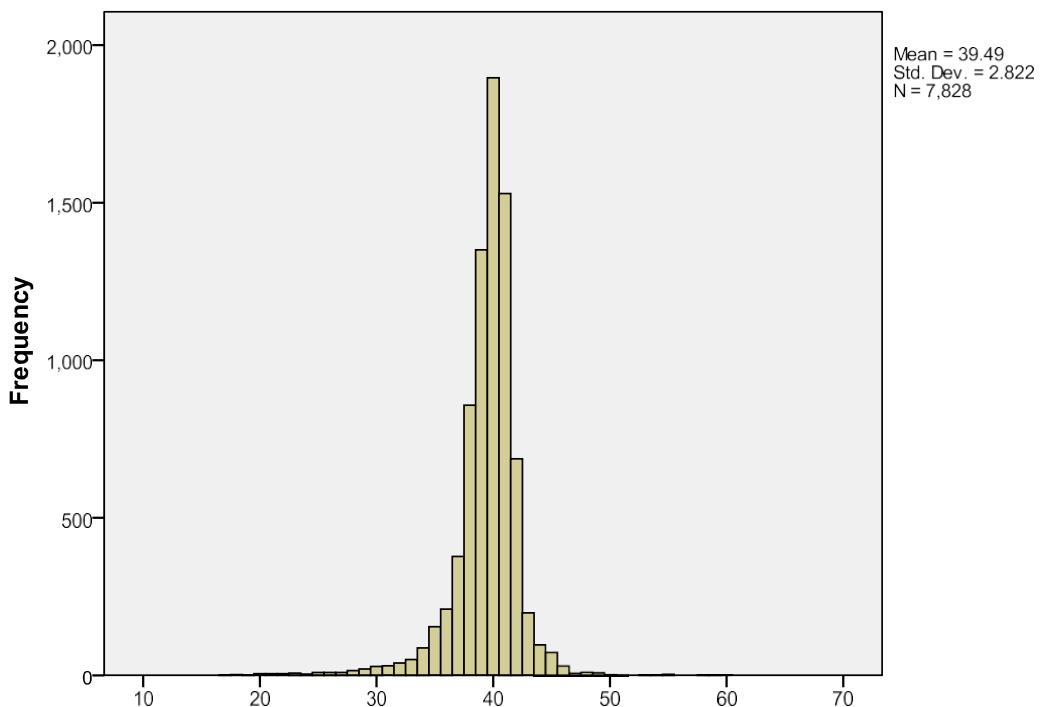
LMP	
N	Valid
	7828
	Missing
	11959
Mean	279.34
Median	282.00
Std. Deviation	19.657
Range	298
Minimum	125
Maximum	423



DEL_P1007 DV: Gestation in weeks based on

LMP

N	Valid	7828
	Missing	11959
Mean		39.49
Median		40.00
Std. Deviation		2.822
Range		43
Minimum		17
Maximum		60

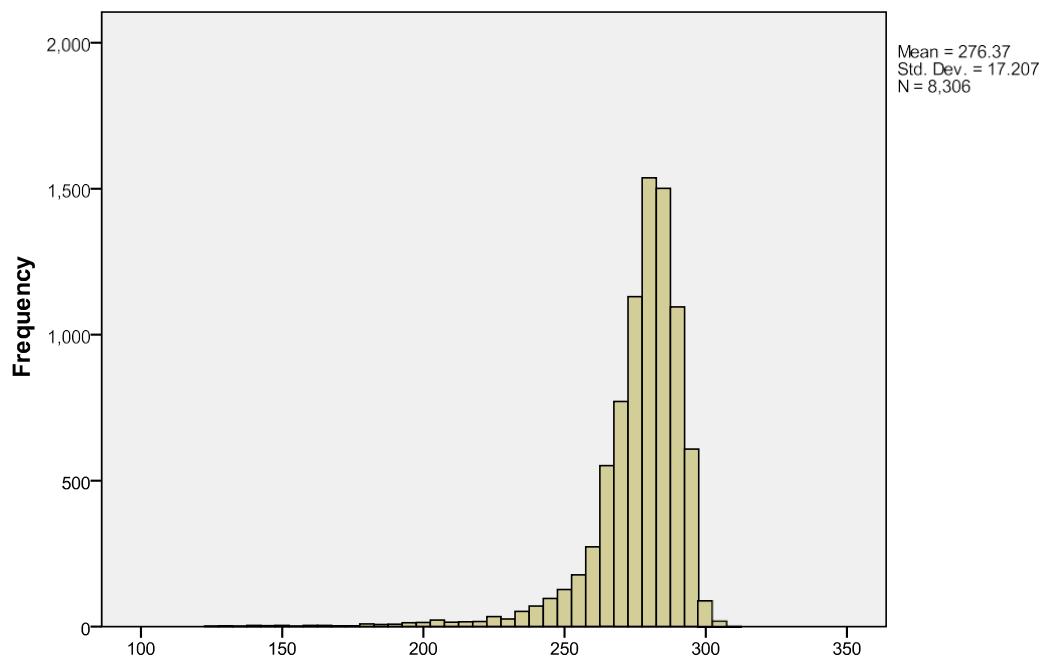


- (iv) **Gestation based on best clinical estimate of** expected date of delivery (EDD).
 The DAs were instructed to use the first dating scan unless over-ruled later.
 The gestation was then calculated as though the date of LMP was 280 days prior to the EDD.

DEL_P1008 DV: Gestation in days based on

final clinical estimate of EDD

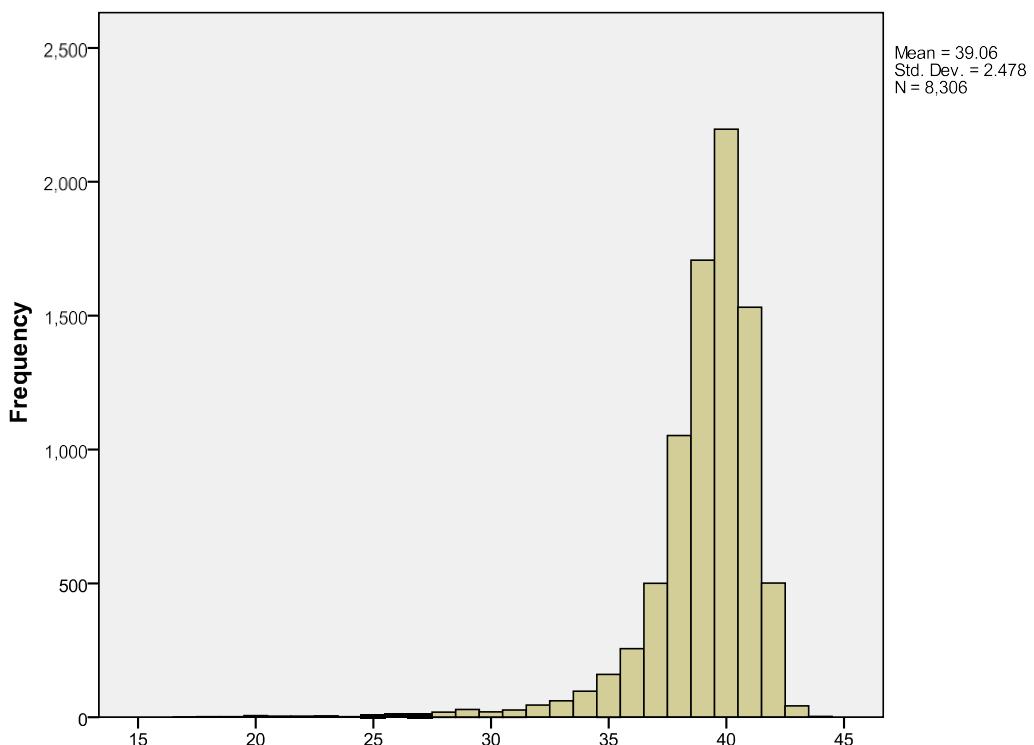
N	Valid	8306
	Missing	11481
Mean		276.37
Median		280.00
Std. Deviation		17.207
Range		185
Minimum		125
Maximum		310



DEL_P1009 DV: Gestation in weeks based on

final clinical estimate of EDD

N	Valid	8306
	Missing	11481
Mean		39.06
Median		40.00
Std. Deviation		2.478
Range		27
Minimum		17
Maximum		44



(v) Preterm delivery (i.e. <259 days (37wk) by best clinical estimate)

DEL_P1010 DV: Preterm delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	774	3.9	9.3	9.3
	2 No	7532	38.1	90.7	100.0
	Total	8306	42.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	-5 Exact EDD not known	6	.0		
	-1 Not answered	54	.3		
	Total	11481	58.0		
Total		19787	100.0		

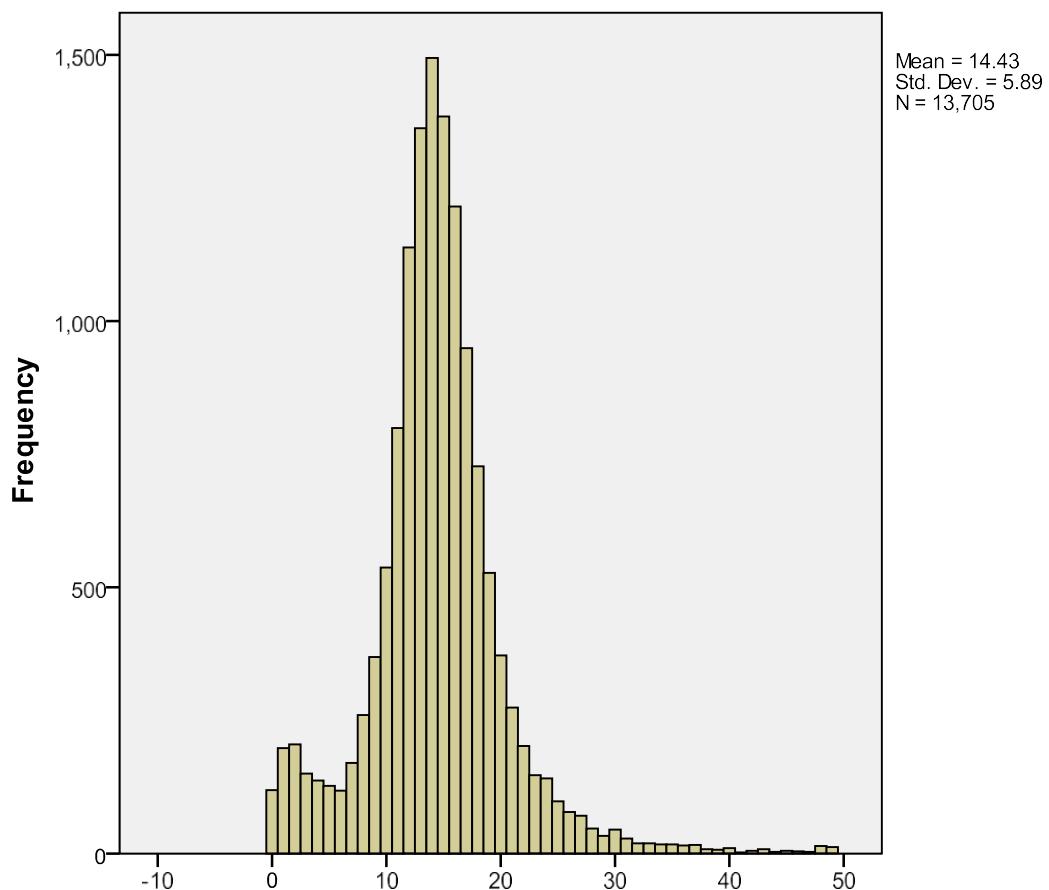
II.2 Summary data relating to pregnancy prior to the onset of labour/delivery

No. antenatal occasions on which measurements were made

The data abstractors recorded on page 4 of their form (Appendix A), all measures of maternal weight, results of tests of urine for protein and glucose, observations of any oedema, blood pressure and haemoglobin. The dates and place where each set of measurements was carried out was recorded regardless of which measurements were taken. The total no. of measurements is shown below.

DEL_P1015 Number of antenatal measurements

N	Valid	13705
	Missing	6082
Mean		14.43
Median		14.00
Std. Deviation		5.890
Range		49
Minimum		0
Maximum		49



It should be noted that a low no. of occasions may suggest that the mother was late in attending for antenatal care. Alternatively she may have attended elsewhere before moving into the area.

Identification of hypertensive disorders of pregnancy

These data are related to the clinician noted diagnosis; no definitions are given. It is recommended that these data are not used in any study focussing on hypertension during pregnancy. Instead the classifications based on the serial measures of blood pressure and proteinuria should be used. Longitudinal records of blood pressures and proteinuria are available in Appendix F, and summarised in variables P1023 and P1024.

Diagnosed hypertensive disorders of pregnancy (HDP)

For the variable, essential hypertension was excluded if diagnosed pre-pregnancy, but included if there was a rise in blood pressure during pregnancy.

DEL_P1020 B5: Hypertension/pre-eclampsia diagnosed at any time during pregnancy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	668	3.4	8.2	8.2
	2 No	7507	37.9	91.8	
	Total	8175	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	194	1.0		
	Total	11612	58.7		
Total		19787	100.0		

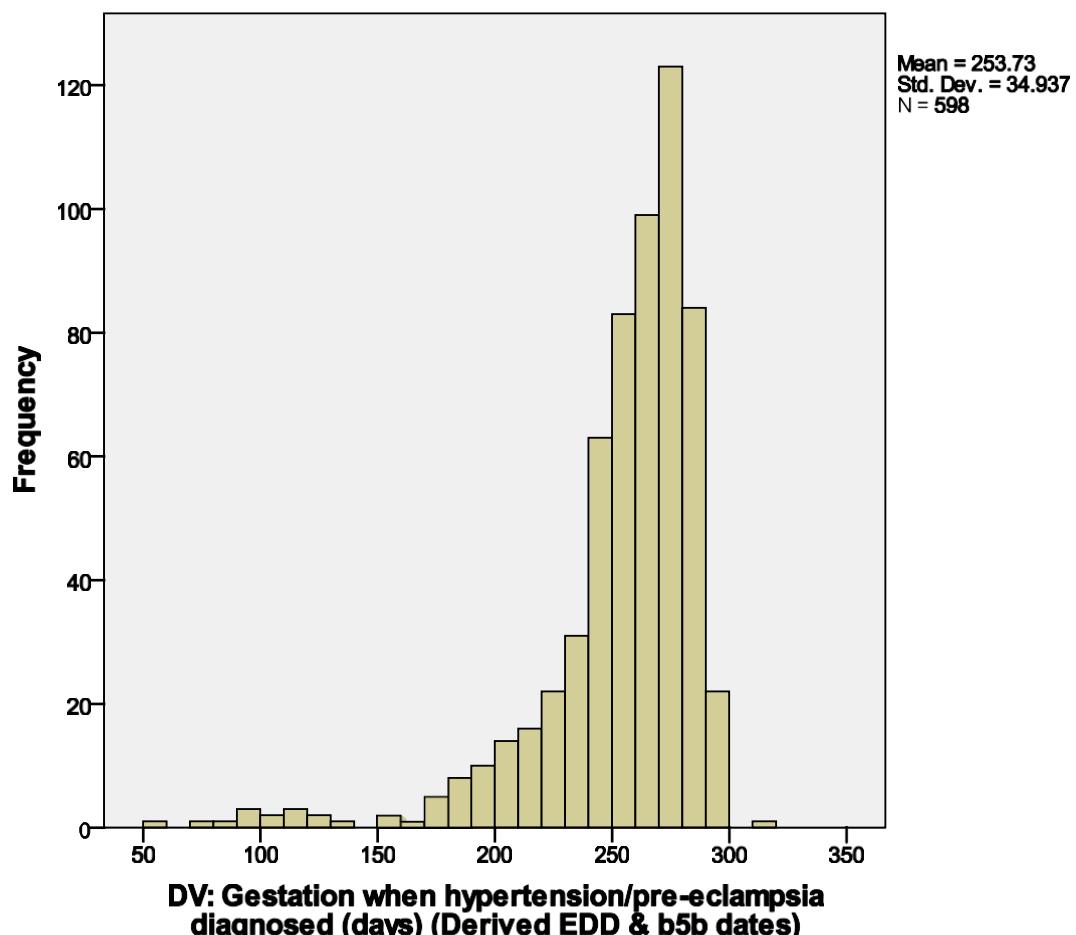
For diagnoses given above, the date of diagnosis was recorded, and converted into gestation at diagnosis.

DEL_P1021 DV: Gestation when

hypertension/ pre-eclampsia diagnosed

(days) (Derived EDD & b5b dates)

N	Valid	598
	Missing	19189
Mean		253.73
Median		262.00
Std. Deviation		34.937
Range		259
Minimum		55
Maximum		314



Eclamptic convulsions

Any cases of prenatal eclampsia were also recorded.

DEL_P1022 B6l: Eclamptic convulsions noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

N.B. The mother herself was asked early in pregnancy whether she had a history of hypertension and, if so, whether this only happened in pregnancy.

N.B. See also intrapartum and postpartum details related to hypertension/pre-eclampsia/ eclampsia.

HDP based on measurements

(a) Pre-eclampsia

Here pre-eclampsia is defined as 2 separate occasions with either a systolic blood pressure $\geq 140\text{mm}$ or a diastolic pressure $\geq 90\text{mm}$ plus at least 1+ of proteinuria at the

same time as the raised blood pressure. Here we have included women whether or not they had raised blood pressure prior to 20 weeks gestation.

DEL_P1023 Pre-eclampsia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	328	1.7	2.4	2.4
	2 No	13377	67.6	97.6	100.0
	Total	13705	69.3	100.0	
Missing	-10 No delivery data	6077	30.7		
	-1 Not available	5	.0		
	Total	6082	30.7		
Total		19787	100.0		

(b) HDP

Here HDP is defined as any woman with raised blood pressure on 2 occasions as defined above together with the cases of pre-eclampsia. It excludes women with pre-existing hypertension.

DEL_P1024 HDP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2268	11.5	16.5	16.5
	2 No	11437	57.8	83.5	100.0
	Total	13705	69.3	100.0	
Missing	-10 No delivery data	6077	30.7		
	-1 Not available	5	.0		
	Total	6082	30.7		
Total		19787	100.0		

Diabetes

There is no information on the types of diabetes (e.g. gestational diabetes) other than whether or not she had diabetes during pregnancy. Further information on the types and treatment for diabetes can be found in the detailed questionnaires of the mothers. Measures of glycosuria are also available in the antenatal files of Lawlor.

DEL_P1030 B6k: Diabetes noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	91	.5	1.1	1.1
	2 No	8278	41.8	98.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Random blood sugars measured

(normal range 3.5 – 5.5)

DEL_P1032 B6z: Random blood sugars test during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	978	4.9	11.7	11.7
	2 No	7391	37.4	88.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other blood sugar tests

This was coded if any of the following were undertaken: fasting bloods, serial blood sugars, glucose tolerance tests and fructosamine.

DEL_P1033 B6g: Blood sugar tests during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	716	3.6	8.6	8.6
	2 No	7653	38.7	91.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Vaginal bleeding

The following variables record the different episodes of bleeding during pregnancy. They should probably be used in conjunction with the mother's reports in her questionnaires, as some episodes are unlikely to be in the obstetric record.

Glycosuria

This was identified from the serial measurements undertaken – using a definition of 2+ or more on two occasions.

DEL_P1034 Glycosuria (2+ or more) on two occasions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	521	2.6	3.8	3.8
	2 No	13184	66.6	96.2	
	Total	13705	69.3	100.0	
Missing	-10 No delivery data	6077	30.7		
	-1 Not available	5	.0		
	Total	6082	30.7		
Total		19787	100.0		

1st trimester

DEL_P1040 B6jj: Vaginal bleeding in 1st trimester

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	935	4.7	11.2	11.2
	2 No	7434	37.6	88.8	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

2nd trimester

DEL_P1041 B6kk: Vaginal bleeding in 2nd trimester

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	415	2.1	5.0	5.0
	2 No	7954	40.2	95.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

3rd trimester

DEL_P1042 B6II: Vaginal bleeding in 3rd trimester

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	647	3.3	7.7	7.7
	2 No	7722	39.0	92.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Threatened abortion was ticked if there were contractions before 24 weeks whether or not bleeding was present.

DEL_P1043 B6dd: Threatened abortion during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	136	.7	1.6	1.6
	2 No	8233	41.6	98.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Abruptio

DEL_P1044 B6w: Placental abruption noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	27	.1	.3	.3
	2 No	8342	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

The DAs were instructed to code 'placenta praevia' either if it was stated as such in the notes or if the placenta was covering or adjoining the internal os post 32 weeks.

Placenta praevia

DEL_P1045 B6x: Placenta praevia noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	61	.3	.7	.7
	2 No	8308	42.0	99.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

From P1030-P1035 a variable has been derived (P1046) to indicate whether any bleeding was noted, in the obstetric records. The variable includes threatened abortion and placenta praevia even if no bleeding was noted.

DEL_P1046 DV: Any bleeding in pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1752	8.9	20.9	20.9
	2 No	6617	33.4	79.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

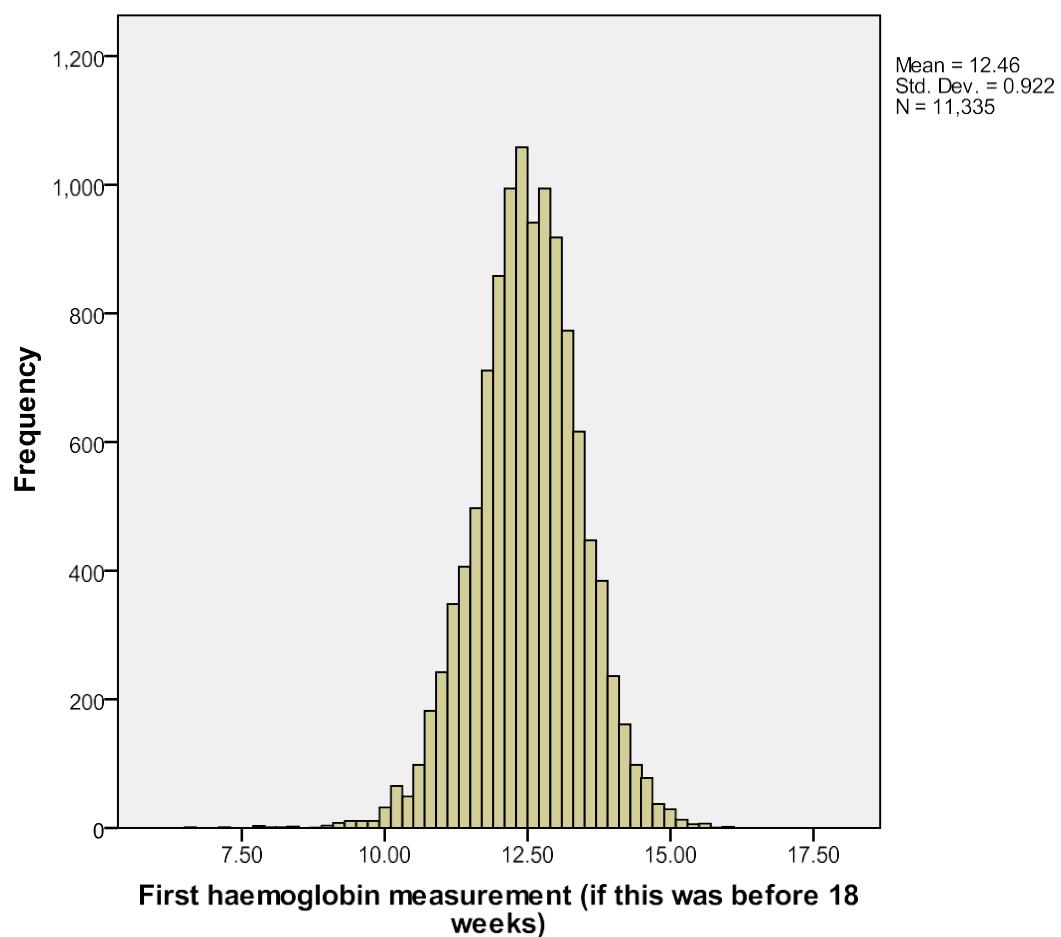
N.B. Bleeding intrapartum and postpartum can be found in P1268 and P1420-5.

Hb measurements

The serial measures of haemoglobin can be identified from Appendix F. Here we give the first Hb recorded. For other measures of Hb and diagnoses of anaemia see the index.

DEL_P1047 First haemoglobin measurement (if
this was before 18 weeks)

N	Valid	11335
	Missing	8452
Mean		12.4610
Median		12.5000
Std. Deviation		.92172
Range		9.30
Minimum		6.60
Maximum		15.90



Infections noted

Abstractors noted as tick box variables whether any of the following infections were recorded: genital herpes, gonorrhoea, syphilis, urinary infection, a vaginal discharge/infection or hepatitis B. Other infections recorded were described as text in B7a. [However the mother also recorded the infections she had had during pregnancy in her own self-completion questionnaires]. For genital herpes the DAs were told to record only if there had been an outbreak during this pregnancy.

Genital herpes

DEL_P1050 B6p: Genital herpes noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	29	.1	.3	.3
	2 No	8340	42.1	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Gonorrhoea

DEL_P1051 B6q: Gonorrhoea noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Syphilis

DEL_P1052 B6cc: Syphilis noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3	.0	.0	.0
	2 No	8366	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Urinary tract infection: cystitis was not included but listed as text and keyed.

DEL_P1053 B6hh: Urinary tract infection noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	510	2.6	6.1	6.1
	2 No	7859	39.7	93.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Vaginal infection/discharge: if 'thrush' was described it was coded here.

DEL_P1054 B6mm: Vaginal discharge/infection during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1229	6.2	14.7	14.7
	2 No	7140	36.1	85.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Hepatitis B

DEL_P1055 B6r: Hepatitis B noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3	.0	.0	.0
	2 No	8366	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other specified conditions

Anaemia

Here it was noted whether anaemia was diagnosed (but the DAs were told to only code 'yes' if there was evidence that Hb<10g/dl)

DEL_P1060 B6c: Anaemia noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1052	5.3	12.6	12.6
	2 No	7317	37.0	87.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Hyperemesis or excessive vomiting

DEL_P1061 B6m: Excessive vomiting noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	86	.4	1.0	1.0
	2 No	8283	41.9	99.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Many other conditions have been recorded as text, but have not yet been coded.

Tests carried out in pregnancy

Tick boxes were used to record whether or not any of the following were carried out: amniocentesis, chorionic villus sampling, random and other blood sugars, biophysical profile, measures of creatinine, ketones and urea/electrolytes.

Amniocentesis

DEL_P1070 B6b: Amniocentesis noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	226	1.1	2.7	2.7
	2 No	8143	41.2	97.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

CVS

DEL_P1071 B6i: Chorionic villus sampling done during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	62	.3	.7	.7
	2 No	8307	42.0	99.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Biophysical profile

DEL_P1074 B6e: Biophysical profile done during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	416	2.1	5.0	5.0
	2 No	7953	40.2	95.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Abnormal creatinine

DEL_P1075 B6j: Creatinine measured during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	627	3.2	7.5	7.5
	2 No	7742	39.1	92.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Ketonuria

DEL_P1076 B6t: Ketones noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	864	4.4	10.3	10.3
	2 No	7505	37.9	89.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Abnormal urea/electrolytes

DEL_P1077 B6ii: Urea & electrolytes done during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1029	5.2	12.3	12.3
	2 No	7340	37.1	87.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Abnormal AFP (alpha-fetaprotein)

This test was almost universally carried out in mid pregnancy. Variables P1080-P1084 indicate whether an abnormal AFP result was noted, what level this was and the gestation at which it was measured. For a proportion of those, a repeat measure was carried out. [the DA's were told not to record a raised risk of Down's syndrome or MOM (multiple of median) here]

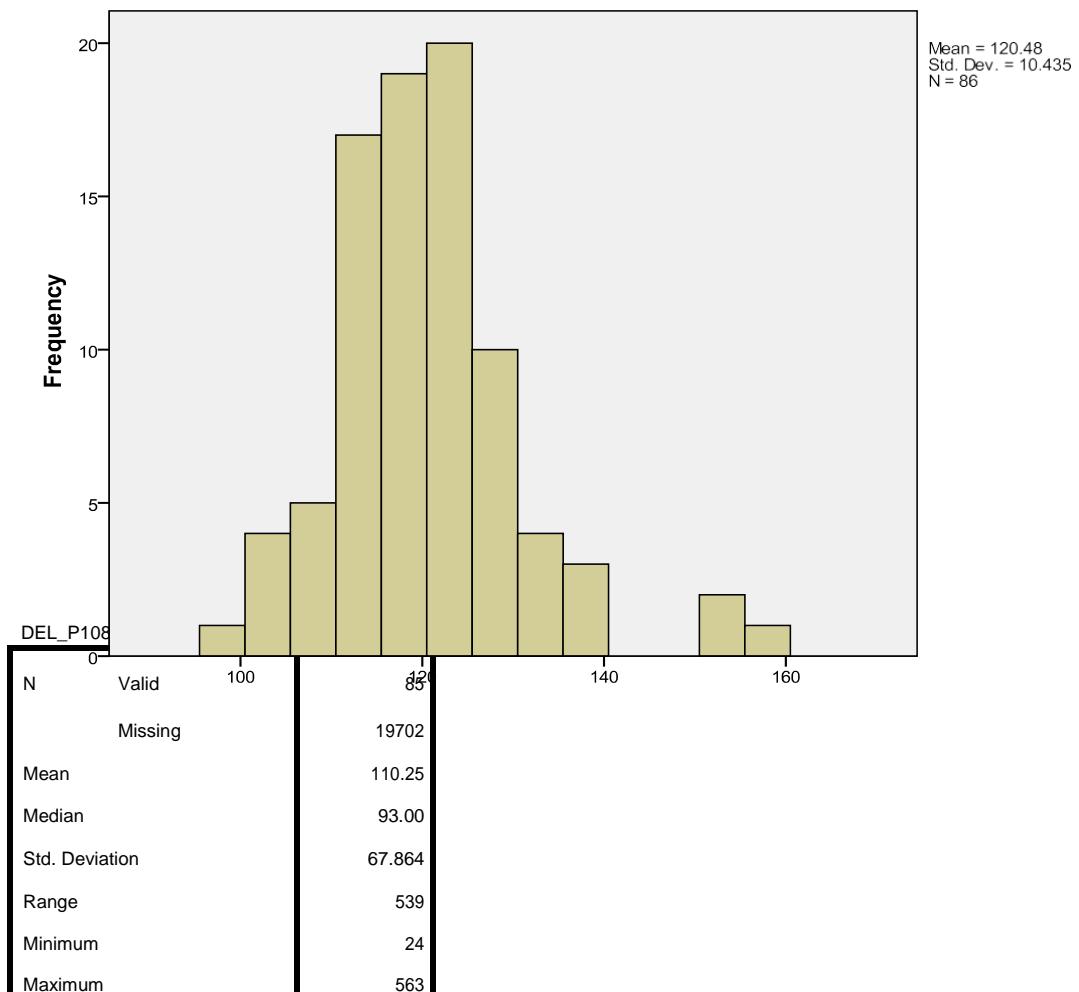
DEL_P1080 B6a: Abnormal AFP noted during pregnancy before onset of labour

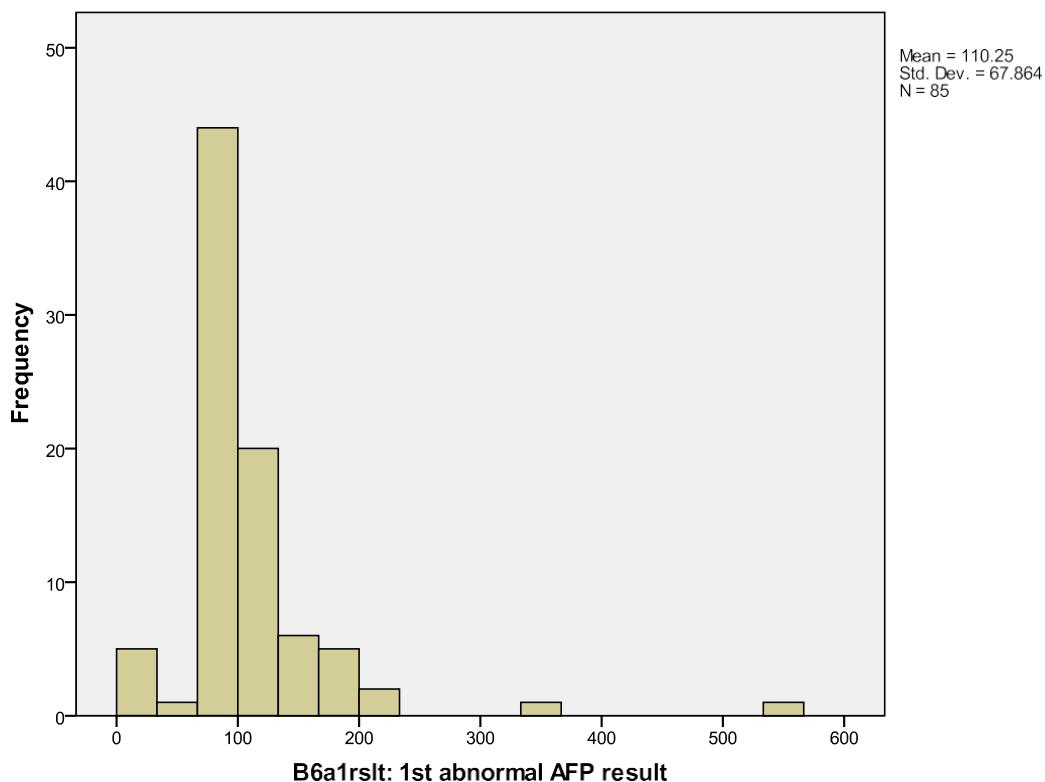
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	92	.5	1.1	1.1
	2 No	8277	41.8	98.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1081 DV: Gestation at 1st abnormal AFP

result (days) (Derived EDD & b6a1 dates)

N	Valid	86
	Missing	19701
Mean		120.48
Median		119.00
Std. Deviation		10.435
Range		59
Minimum		98
Maximum		157





DEL_P1083 DV: Gestation at 2nd abnormal AFP

result (days) (Derived EDD & b6a2 dates)

N	Valid	23
	Missing	19764
Mean		126.65
Median		128.00
Std. Deviation		8.194
Range		36
Minimum		110
Maximum		146

DEL_P1084 B6a2rslt: 2nd abnormal AFP result

N	Valid	24
	Missing	19763
Mean		119.83
Median		122.00
Std. Deviation		39.393
Range		204
Minimum		73
Maximum		277

Blood groups and various antibodies

The ABO and Rhesus blood groups were recorded as were whether Rh antibodies were noted.

DEL_P1085 B3a: Mother's blood group: ABO

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A	3565	18.0	43.0	43.0
	2 B	736	3.7	8.9	51.8
	3 O	3745	18.9	45.1	96.9
	4 AB	254	1.3	3.1	100.0
	Total	8300	41.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	69	.3		
	Total	11487	58.1		
Total		19787	100.0		

DEL_P1086 B3b: Mother's blood group: Rhesus

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Rhesus +ve	6940	35.1	83.6	83.6
	2 Rhesus -ve	1361	6.9	16.4	100.0
	Total	8301	42.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	67	.3		
	-1 Not Answered	1	.0		
	Total	11486	58.0		
	Total	19787	100.0		

Rh antibodies

DEL_P1087 B6aa: Rh antibodies noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	29	.1	.3	.3
	2 No	8340	42.1	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Anti-D

Whether the mother was given anti-D (to prevent Rh antibodies) was recorded.

DEL_P1088 B6d: Anti D given during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	153	.8	1.8	1.8
	2 No	8216	41.5	98.2	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Rubella antibodies

DEL_P1089 B3c: Mother's blood: rubella immune

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7897	39.9	99.0	99.0
	2 No	81	.4	1.0	100.0
	Total	7978	40.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	268	1.4		
	-8 NS	123	.6		
	Total	11809	59.7		
	Total	19787	100.0		

Other antibodies These are described as text, but not yet coded.

DEL_P1090 B6v: Other antibodies noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	165	.8	2.0	2.0
	2 No	8204	41.5	98.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Presentation during pregnancy

Breech

DEL_P1100 B6f: Breech presentation noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2927	14.8	35.0	35.0
	2 No	5442	27.5	65.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Transverse lie

DEL_P1101 B6ff: Transverse lie noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1725	8.7	20.6	20.6
	2 No	6644	33.6	79.4	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Unstable lie

DEL_P1102 B6gg: Unstable lie noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	65	.3	.8	.8
	2 No	8304	42.0	99.2	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Amount of amniotic fluid

Oligohydramnios

DEL_P1103 B6u: Oligohydramnios noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	117	.6	1.4	1.4
	2 No	8252	41.7	98.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Hydramnios

DEL_P1104 B6y: Polyhydramnios/hydramnios noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	114	.6	1.4	1.4
	2 No	8255	41.7	98.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Fetal growth

DEL_P1105 B6bb: I.U.G.R suspected during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	300	1.5	3.6	3.6
	2 No	8069	40.8	96.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Threatened preterm labour.

This was coded for contractions with or without bleeding after 24 weeks and <37 weeks. It was coded even if it continued to preterm labour.

DEL_P1106 B6ee: Threatened pre-term labour during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	592	3.0	7.1	7.1
	2 No	7777	39.3	92.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Multiple pregnancy

This variable indicates that the pregnancy was diagnosed as having more than one fetus, and the subsequent variable indicates the gestation at which the multiple pregnancy was diagnosed. Note, however, that not all the multiple pregnancies ended as multiple births (see P50). If an ultrasound scan showed a 'double sac', 'yes' was coded here.

DEL_P1107 B8a: Multiple pregnancy

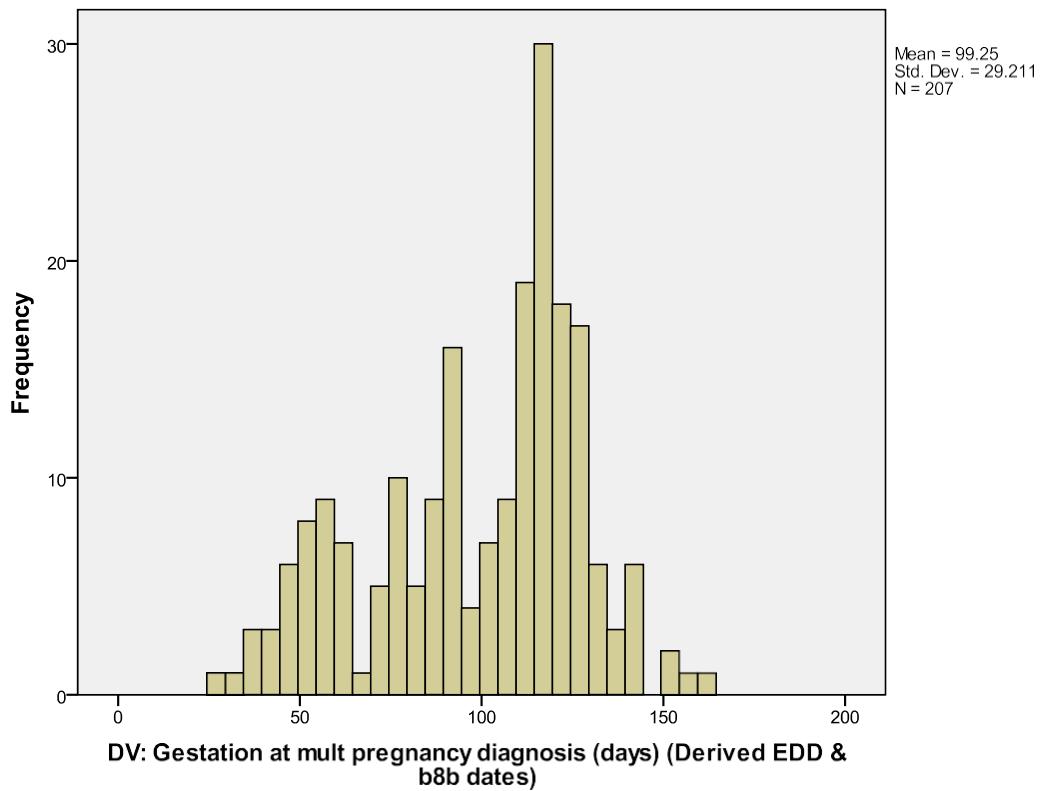
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	221	1.1	2.7	2.7
	2 No	8058	40.7	97.3	100.0
	Total	8279	41.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not Answered	89	.4		
	Total	11508	58.2		
Total		19787	100.0		

Gestation at diagnosis

DEL_P1108 DV: Gestation at mult pregnancy

diagnosis (days) (Derived EDD & b8b dates)

N	Valid	207
	Missing	19580
Mean		99.25
Median		109.00
Std. Deviation		29.211
Range		137
Minimum		27
Maximum		164



II.3 Ultrasound examinations

The DAs were instructed to abstract all information on the ultrasound scans that the mother had during pregnancy. Up to 15 scans were keyed. For >15 scans, details were described on an extra sheet which was keyed in house.

For each scan, the date of the scan, the reason for the scan, and the results were recorded.

Gestation at each scan

This was calculated using the date of scan and the best clinical estimate of the EDD.

Types and reasons for scans

DAs were given the following instructions:

Types and reasons for scans vary considerably, please ask if unsure:-

- If multiple reasons – code 21 – document reasons in B7a or under relevant admission
- BPP – code H = Real-time scan (RTS)
- BPPs not usually documented at Southmead as such (RTS)
- Doppler scans – Normal P.I. (pulsatility index) depends on gestation, document all P.I. results
- If Doppler scan is done at the same time as another scan, enter as two separate scans
- Doppler = Sonicaid. This is not always obstetric – could be for possible DVT
- Abdominal pain plus ?abruption – code 24 (fetal well-being)
- Abdominal pain only – code 1
- If mother has a condition which might affect the baby or if she has had a previous child with an abnormality (e.g. cleft palate) and an extra scan is done – code 24 (fetal well-being)
- Specific doubts about the fetus e.g. AFP ↑ or Down's risk ↑ - code 27 (suspected fetal abnormality)
- Scans in labour document on scan page, also should be documented on C13s ("see scan page")
- Maternal reassurance – code Type = Z and Reason = 20 then document in B7a
- Scans for maternal renal, gall bladder etc code Type = Z and Reason = 20 then document in B7a
- Choroid plexus cyst no longer seen – Text = 1 (normal)
- Placenta <5 cms from internal os is low – Text = 2
- Placenta >5 cms from internal os is normal – Text = 1
- If pelvimetry has been carried out check if it was by scan or x-ray and document on scan page, including unclear if x-ray or scan”
- CT Scan & CAT scan are both x-rays
- Extra scan due to previous miscarriage – code 25
- Weston Routine Scans are Survey Scans – code J

- If scanned for cervical length (incompetence) – code 1
- Amniocentesis must have own scan line – code H at BMH and Z at Southmead (unless clearly stated otherwise)

Results of scans

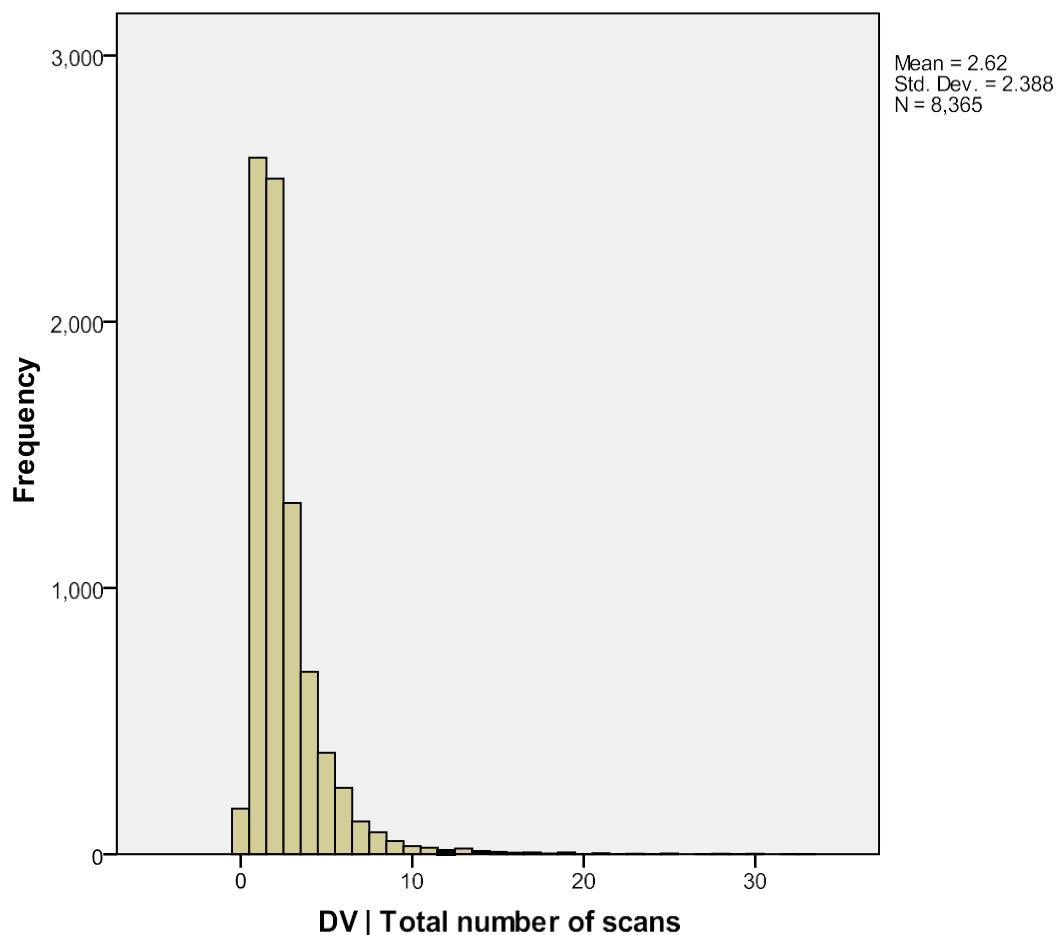
'1' was coded if nothing out of the ordinary was noted, and '2' if there is something of importance picked up on the scan: including breech or transverse presentation; date change by more than 1 week (this must be checked on a gestational calendar; low placenta; or twins (once twins are diagnosed there is no need to code 2 for any following scans that confirm twins).

Total no. scans

As can be seen below, the number of scans ranged from 0 to 33.

DEL_P1110 DV | Total number of scans

N	Valid	8365
	Missing	11422
Mean		2.62
Median		2.00
Std. Deviation		2.388
Range		33
Minimum		0
Maximum		33



Details of each scan are shown in Appendix D.

II.4. Procedures and treatments during pregnancy

Procedures

Cervical cerclage

DEL_P1120 B6h: Cervical cerclage done during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	23	.1	.3	.3
	2 No	8346	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

ECV

DEL_P1121 B6n: External cephalic version done during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	26	.1	.3	.3
	2 No	8343	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Failed ECV

DEL_P1122 B6o: Failed E.C.V noted during pregnancy before onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	38	.2	.5	.5
	2 No	8331	42.1	99.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Rest

Mother advised to rest

The reasons for the mother being advised to rest were keyed as text.

DEL_P1123 B9a: Mother made to rest in bed for more than a week

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	50	.3	.6	.6
	2 No	7987	40.4	99.4	
	Total	8037	40.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	332	1.7		
	Total	11750	59.4		
Total		19787	100.0		

DEL_P1124 B9b: Mother made to rest in bed for less than a week

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	606	3.1	7.5	7.5
	2 No	7432	37.6	92.5	
	Total	8038	40.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	331	1.7		
	Total	11749	59.4		
Total		19787	100.0		

If stated that mother rested rather than 'advised' to rest, it was not coded here.

DEL_P1125 B9c: Mother advised to rest (not in bed) during pregnancy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	953	4.8	11.9	11.9
	2 No	7077	35.8	88.1	
	Total	8030	40.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	339	1.7		
	Total	11757	59.4		
Total		19787	100.0		

Dietary advice

The reasons for dietary changes were keyed as text.

Salt intake

DEL_P1126 B9d: Mother's salt intake restricted during pregnancy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7	.0	.1	.1
	2 No	8066	40.8	99.9	100.0
	Total	8073	40.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	296	1.5		
	Total	11714	59.2		
Total		19787	100.0		

Special diet

DEL_P1127 B9e: Mother put onto a special diet

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	118	.6	1.5	1.5
	2 No	7953	40.2	98.5	100.0
	Total	8071	40.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	298	1.5		
	Total	11716	59.2		
Total		19787	100.0		

II.5. Antenatal hospital admissions

The DAs were instructed to record all admissions. Their instructions were as follows:

“Count **days** in Hospital not nights.

Each day in hospital should have an entry in the antenatal observations. In pencil, bracket together all lines of observations for each admission, state which admission and number each admission. If more than one reading on that day, take the worst, i.e. highest diastolic.

If admitted pre-labour but stays in until after delivery, count days stayed from admission to discharge.

If admitted twice in one day to two hospitals (i.e. transferred) put down as two admissions. If admitted twice in one day to same hospital also put down as two admissions. In both circumstances enter one line of antenatal observations for each admission.

If admitted for a reason not connected with pregnancy do not put in lines of 8s for each day. Do put in ANC lines if weight, urine, BP or HB results found during that admission. Briefly document admission as usual.

If seen in A&E or CDS (or on Ashcombe Ward at Weston) and not actually admitted or not clear if admitted or not, treat as an admission.

Admissions should give a brief summary of reason for admission, investigations (including CTGs), treatments (including drugs) and outcome. Only document VE results if unusual.

If long admission with home leave at weekends document as same admission. If mother admitted the day before an elective CS for clerking, document as 2 admissions (C1a will be actual day of CS).

If transferred in labour take time of admission from first hospital”.

There was space for 6 admissions on the form – further admissions were documented on separate sheets of paper and keyed separately.

For each admission the following information was recorded:

- (a) Date of admission – this was converted to gestation at admission
- (b) No. of days stayed
- (c) The hospital concerned, coded as BMH, Southmead or Other
- (d) Reasons for admission and any treatment. These were keyed as text but are not yet coded.

The details of (a) – (c) are given in Appendix E.

Summary of data

There were 5715 women admitted to hospital during pregnancy. The total no. of admissions varied from 0 to 18 (H002), and the no. of days in total that the mothers stayed as an inpatient varied from 1 to 80 (H001).

Admitted to hospital during pregnancy

DEL_P1130 B10a: Mother admitted to hospital during this pregnancy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5715	28.9	69.5	69.5
	2 No	2504	12.7	30.5	100.0
	Total	8219	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	150	.8		
	Total	11568	58.5		
Total		19787	100.0		

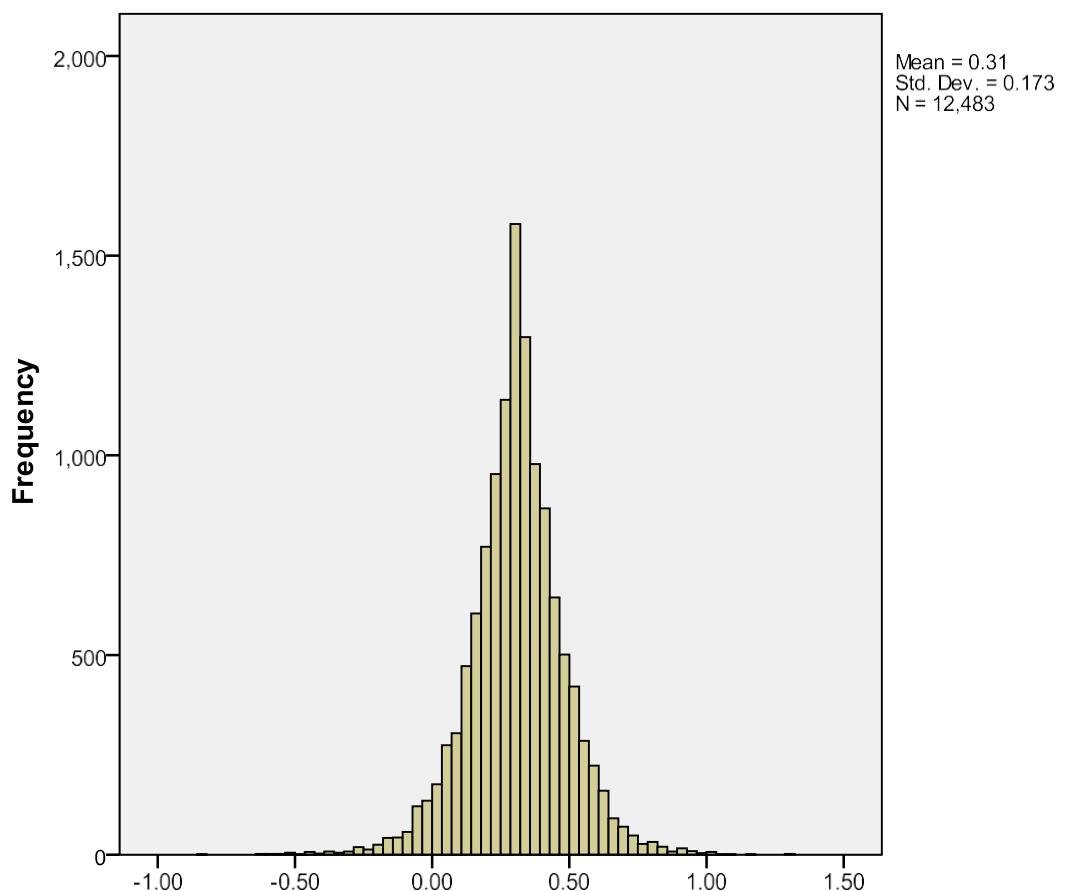
II.6. Antenatal weight measurements

Measurements of weight throughout pregnancy are detailed in Appendix F. There are pitfalls in looking at overall weight gain, due to it changing in rate at different stages of pregnancy. Here we provide two variables – the weight change from 0 to 18 weeks (where the zero time point relies on the mother's report of her weight pre-pregnancy), and from 18 to 28 weeks.

DEL_P1128 Weight change (kg/week) between

0 and 18 weeks

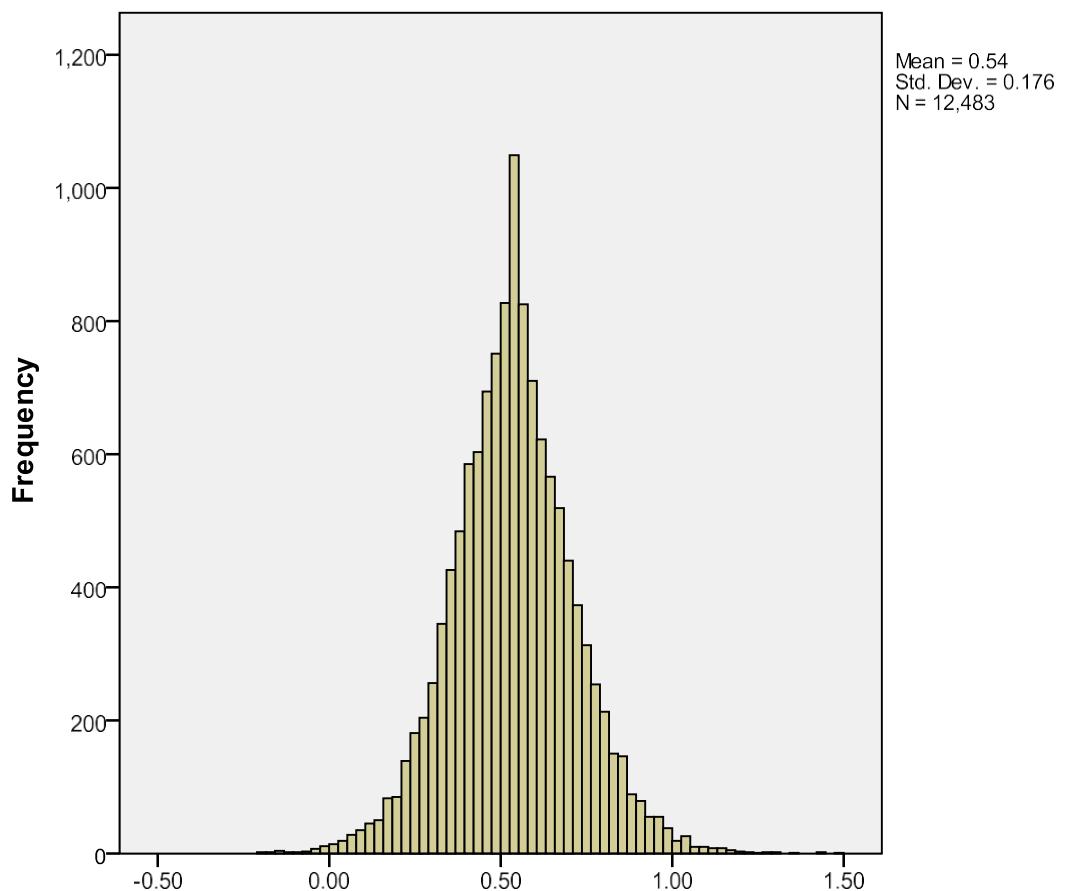
N	Valid	12483
	Missing	7304
Mean		.3088
Median		.3102
Std. Deviation		.17261
Range		2.15
Minimum		-.84
Maximum		1.31



DEL_P1129 Weight change (kg/week) between

18 and 28 weeks

N	Valid	12483
	Missing	7304
Mean		.5366
Median		.5360
Std. Deviation		.17623
Range		1.66
Minimum		-.19
Maximum		1.48



II.7 Labour and delivery

Admission to hospital for delivery

DAs were instructed: "If admitted in labour and then sent home to await events, document briefly in C13s. Take time of admission from the admission which proceeds to delivery.

If admitted before onset of labour, then there should be a corresponding hospital admission and entry on the antenatal observations sheet".

(a) Where was the mother admitted from for delivery admission?

DEL_P1140 C2b: Where mother admitted from

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Admitted from home	7733	39.1	96.1	96.1
	2 Transferred during labour	53	.3	.7	96.7
	3 Other	263	1.3	3.3	100.0
	Total	8049	40.7	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 Not relevant	174	.9		
	-1 Not Answered	146	.7		
	Total	11738	59.3		
Total		19787	100.0		

(b) When was mother admitted in regard to labour/delivery?

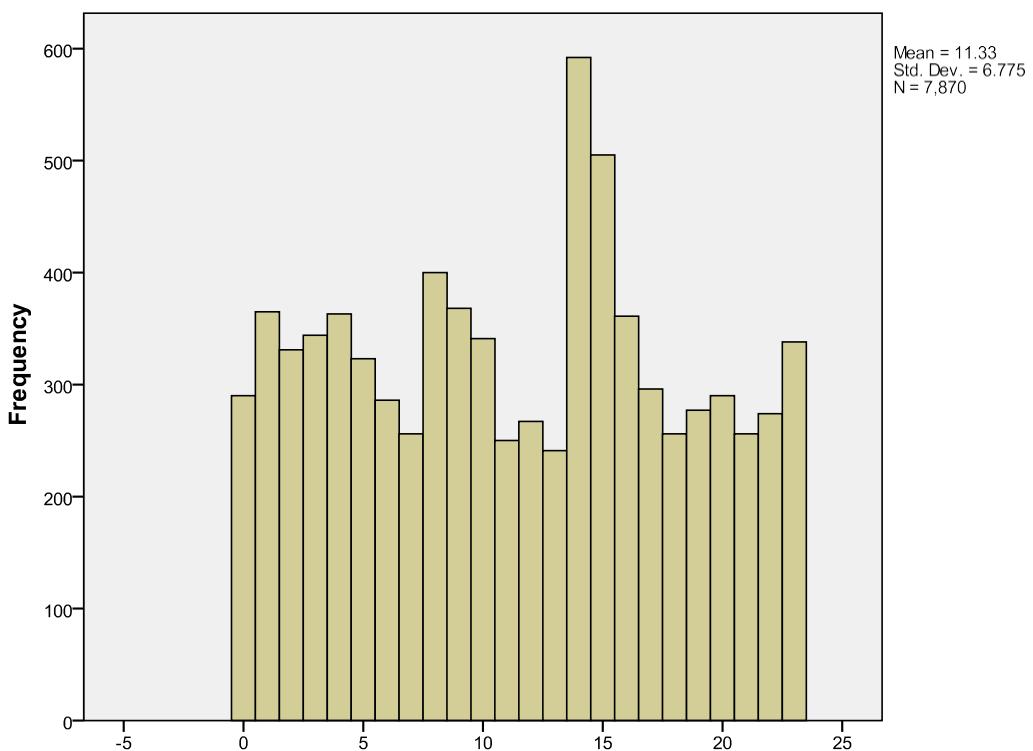
DEL_P1141 C2a: When mother admitted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Before onset of labour	4077	20.6	49.5	49.5
	2 In 1st stage	3846	19.4	46.7	96.2
	3 In 2nd stage transition	68	.3	.8	97.0
	4 In labour N.O.S	2	.0	.0	97.0
	5 Not admitted	174	.9	2.1	99.2
	6 Admitted NK when	70	.4	.8	100.0
	Total	8237	41.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	132	.7		
	Total	11550	58.4		
Total		19787	100.0		

(c) Hour of admission

DEL_P1142 C1ahr: Time of admission: hour

N	Valid	7870
	Missing	11917
Mean		11.33
Median		12.00
Std. Deviation		6.775
Range		23
Minimum		0
Maximum		23



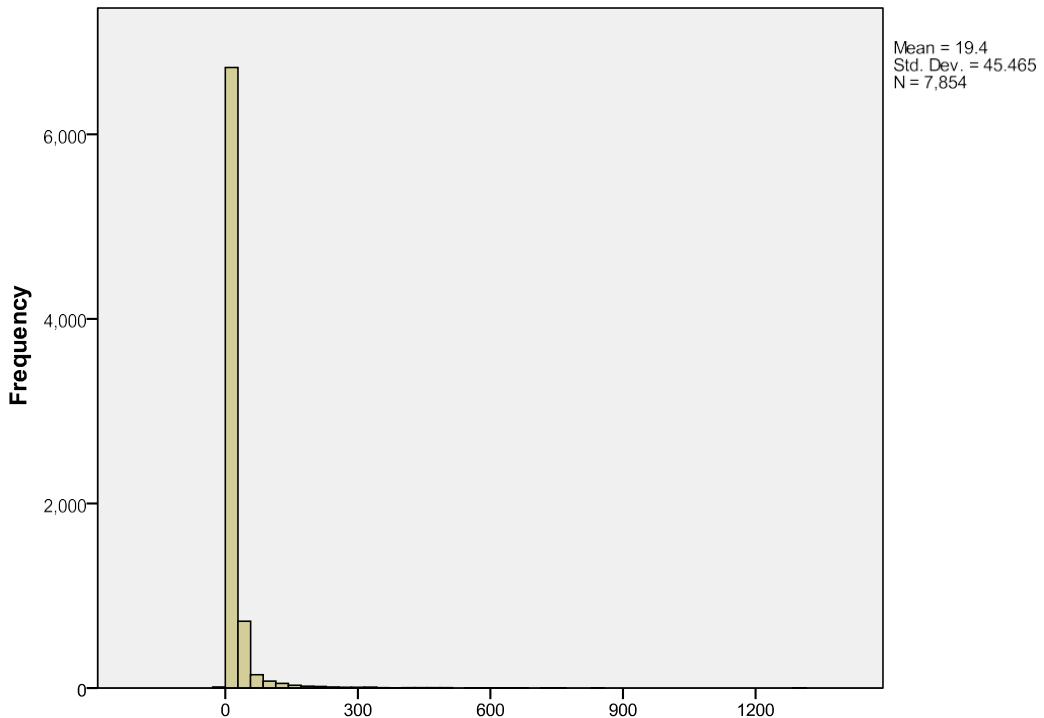
(d) Length of time from admission to delivery in hours

[N.B. includes minus figures for women admitted post delivery]

DEL_P1143 DV: Time from admission to

delivery (hours) (Derived c1a & c1e dates)

N	Valid	7854
	Missing	11933
Mean		19.40
Median		9.00
Std. Deviation		45.465
Range		1307
Minimum		-3
Maximum		1304



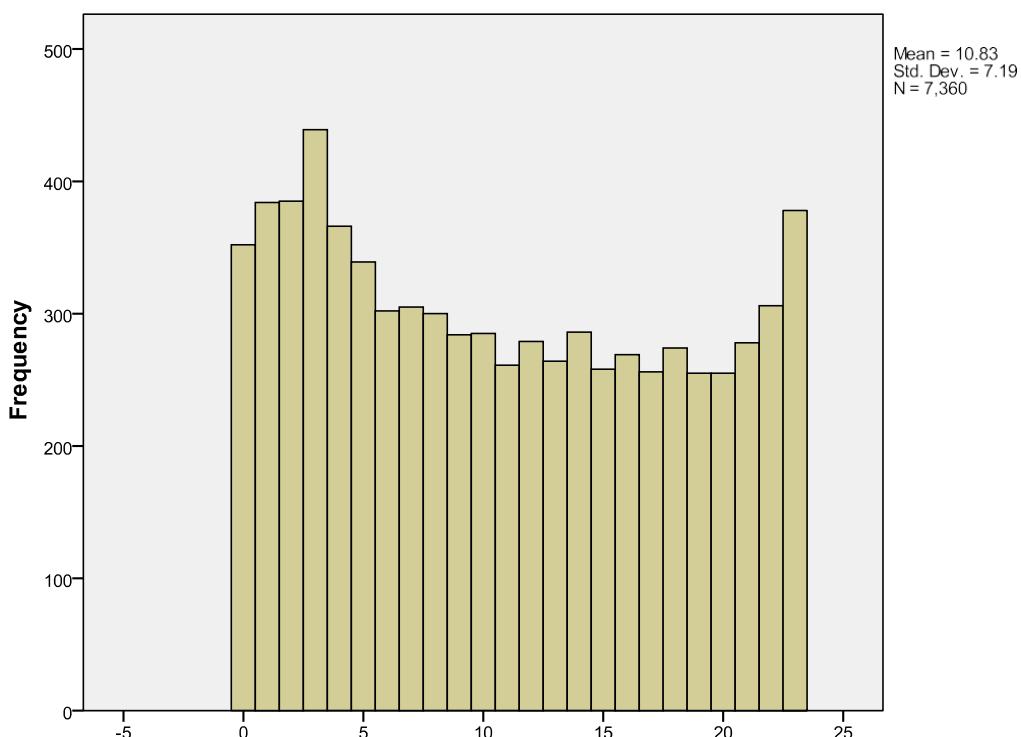
Membrane rupture

(a) Hour of membrane rupture

If the membranes had ruptured on more than one occasion the DAs noted the time of the first one recorded.

DEL_P1150 C1bhr: Time membrane ruptured :

hour	
N	Valid
	7360
	Missing
	12427
Mean	10.83
Median	10.00
Std. Deviation	7.190
Range	23
Minimum	0
Maximum	23



(b) How membranes ruptured

DAs were instructed that if membranes ruptured at VE they should tick "other" and state how, **unless** if stated as SRM then write "at VE n.o.s" and then code 8 for augmentation

DEL_P1151 C3a: How membranes ruptured

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Spontaneously	3540	17.9	43.3	43.3
	2 Artificially	3304	16.7	40.5	83.8
	3 At caesarean section	747	3.8	9.1	92.9
	4 Spontaneously & artificially	491	2.5	6.0	99.0
	5 Spontaneously & at caesarean section	14	.1	.2	99.1
	6 Other	71	.4	.9	100.0
	Total	8167	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	189	1.0		
	-1 Not Answered	13	.1		
	Total	11620	58.7		
Total		19787	100.0		

(c) Length of time from rupture to delivery (hours)

DEL_P1152 DV: Time from membrane rupture

to delivery (hours) (Derived c1b & c1e dates)

N	Valid	7352
	Missing	12435
Mean		9.78
Median		4.00
Std. Deviation		39.580
Range		1759
Minimum		0
Maximum		1759

If the membranes were ruptured at CS, the time was coded as <5 min

DEL_P1153 C3b: Length of interval between membrane rupture and delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 < 5 min	181	.9	2.5	2.5
	2 5-59 min	1538	7.8	20.8	23.3
	3 1-5 hr 59 min	2773	14.0	37.6	60.9
	4 6-23 hr 59 min	2267	11.5	30.7	91.6
	5 24-47 hr 59 min	462	2.3	6.3	97.8
	6 48 hr +	159	.8	2.2	100.0
	Total	7380	37.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	969	4.9		
	-7 Unresolved	6	.0		
	-1 Not Answered	14	.1		
	Total	12407	62.7		
Total		19787	100.0		

(d) Whether membranes ruptured before or after regular onset of contractions

DEL_P1154 C3c: Membranes ruptured before or after onset of regular contractions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Before	2279	11.5	28.0	28.0
	2 After	4724	23.9	58.0	86.0
	3 With onset of regular contractions	335	1.7	4.1	90.2
	4 Unclear	26	.1	.3	90.5
	7 No contractions	775	3.9	9.5	100.0
	Total	8139	41.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	219	1.1		
	-1 Not Answered	11	.1		
	Total	11648	58.9		
Total		19787	100.0		

Induction of labour

DEL_P1160 C4i: How labour started

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Spontaneously	5873	29.7	71.5	71.5
	2 After induction (incl failed induction)	1627	8.2	19.8	91.3
	3 No labour (e.g elective)	711	3.6	8.7	100.0
	4 In other way	1	.0	.0	100.0
	Total	8212	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	157	.8		
	Total	11575	58.5		
Total		19787	100.0		

(a) Method of induction

The data abstractor was asked to record all methods used

DEL_P1161 C4ia: Labour induced by prostaglandin gel (vaginal)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	90	.5	1.1	1.1
	2 No	8279	41.8	98.9	100.0
	Total	8369	42.3	100.0	
	Missing	11418	57.7		
Total		19787	100.0		

DEL_P1162 C4ib: Labour induced by prostaglandin pessaries

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1209	6.1	14.4	14.4
	2 No	7160	36.2	85.6	100.0
	Total	8369	42.3	100.0	
	Missing	11418	57.7		
Total		19787	100.0		

DEL_P1163 C4ic: Labour induced by extra-amniotic prostaglandins

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4	.0	.0	.0
	2 No	8365	42.3	100.0	100.0
	Total	8369	42.3	100.0	
	Missing	11418	57.7		
Total		19787	100.0		

DEL_P1164 C4iid: Labour induced by oral prostaglandins

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1165 C4iie: Labour induced by artificial rupture of membranes (ARM)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	496	2.5	5.9	5.9
	2 No	7873	39.8	94.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1166 C4iif: Labour induced by syntocinon infusion

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	409	2.1	4.9	4.9
	2 No	7960	40.2	95.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other – The ‘other’ methods were documented and keyed, but not yet coded.

DEL_P1167 C4iig: Labour induced by other means

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	134	.7	1.6	1.6
	2 No	8235	41.6	98.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

[NB P1167 includes ‘failed induction’]

- (b) Reasons for induction. (There are currently given as text and not yet coded).

Augmentation of labour

The DA's instructions here were: colon augmentation includes any intervention which affects the course of labour; even if not specifically for augmentation, e.g. ARM for application of FSE. Do not include "mobilisation to toilet".

Southmead records frequently do not state reasons for augmentation.

Do not include stretch and sweep of membranes here. This should be put in C13s or hospital admission depending when done.

DEL_P1180 C4iiia: Was labour augmented

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4813	24.3	65.5	65.5
	2 No	2536	12.8	34.5	100.0
	Total	7349	37.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	-1 Not Answered	209	1.1		
	Total	12438	62.9		
Total		19787	100.0		

Method of augmentation

The data abstractor was asked to record all methods used

DEL_P1181 C4iiib: Labour augmented by artificial rupture of membranes (ARM)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3286	16.6	43.5	43.5
	2 No	4272	21.6	56.5	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
	Total	19787	100.0		

DEL_P1182 C4iiic: Labour augmented by mobilisation of mother

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1925	9.7	25.5	25.5
	2 No	5633	28.5	74.5	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Syntocinon: If used for induction and continued throughout labour, it is not coded as augmentation. However if the syntocinon was stopped and then started again, it was also coded as augmentation.

DEL_P1183 C4iid: Labour augmented by syntocinon infusion

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1817	9.2	24.0	24.0
	2 No	5741	29.0	76.0	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

'Other method'

The methods were recorded as text.

DEL_P1184 C4iiie: Labour augmented by other method

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	17	.1	.2	.2
	2 No	7541	38.1	99.8	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Reason for augmentation

(This is given as text but not yet coded)

Length of labour

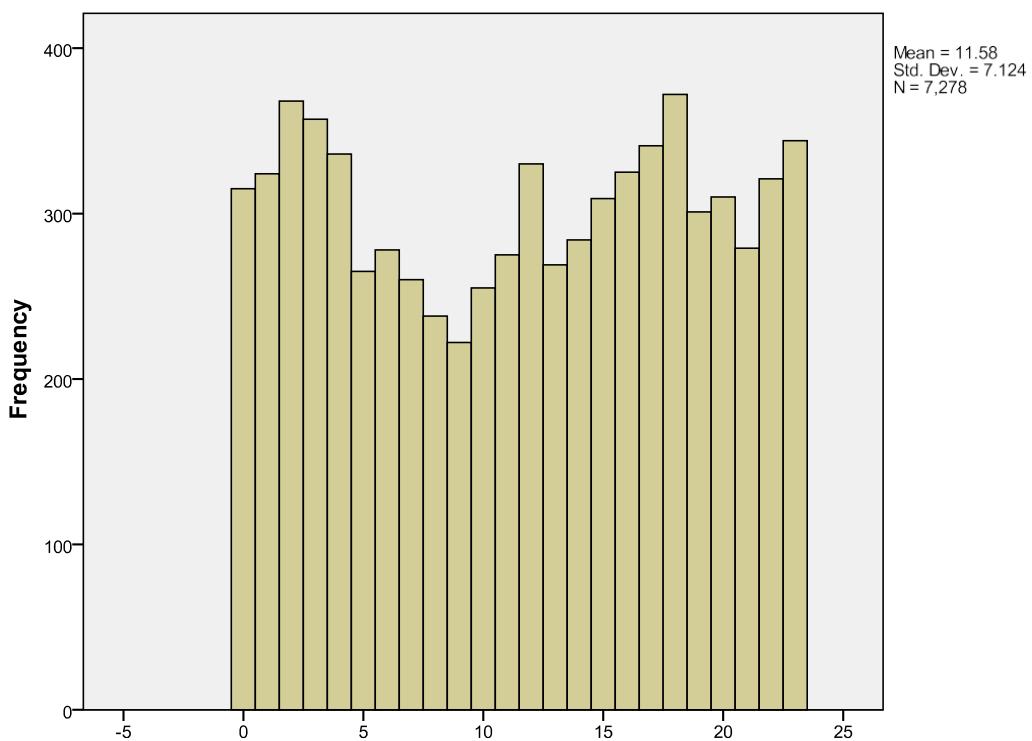
(a) Hour at which labour started

The time of onset of regular contractions.

DEL_P1190 C1chr: Onset of 1st stage: hour

began (24 hr clock)

N	Valid	7278
	Missing	12509
Mean		11.58
Median		12.00
Std. Deviation		7.124
Range		23
Minimum		0
Maximum		23



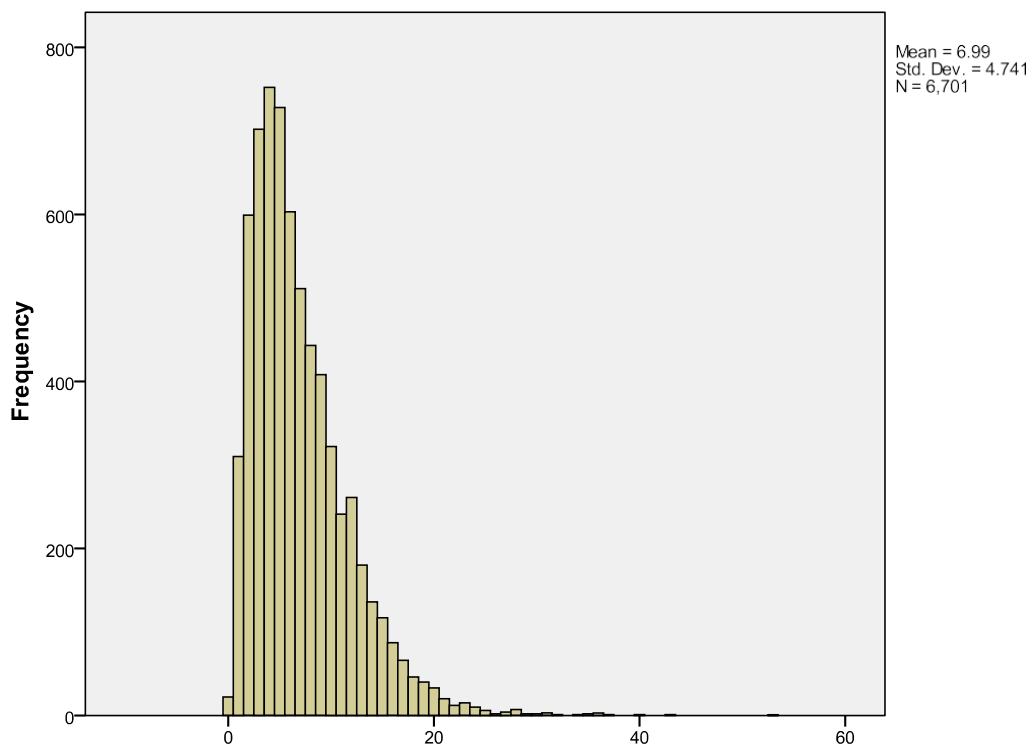
(b) Length of 1st stage (hours)

(This was calculated from the time of onset of 1st stage and time of delivery)

DEL_P1191 DV: Length of 1st stage in

completed (hours)

N	Valid	6701
	Missing	13086
Mean		6.99
Median		6.00
Std. Deviation		4.741
Range		53
Minimum		0
Maximum		53

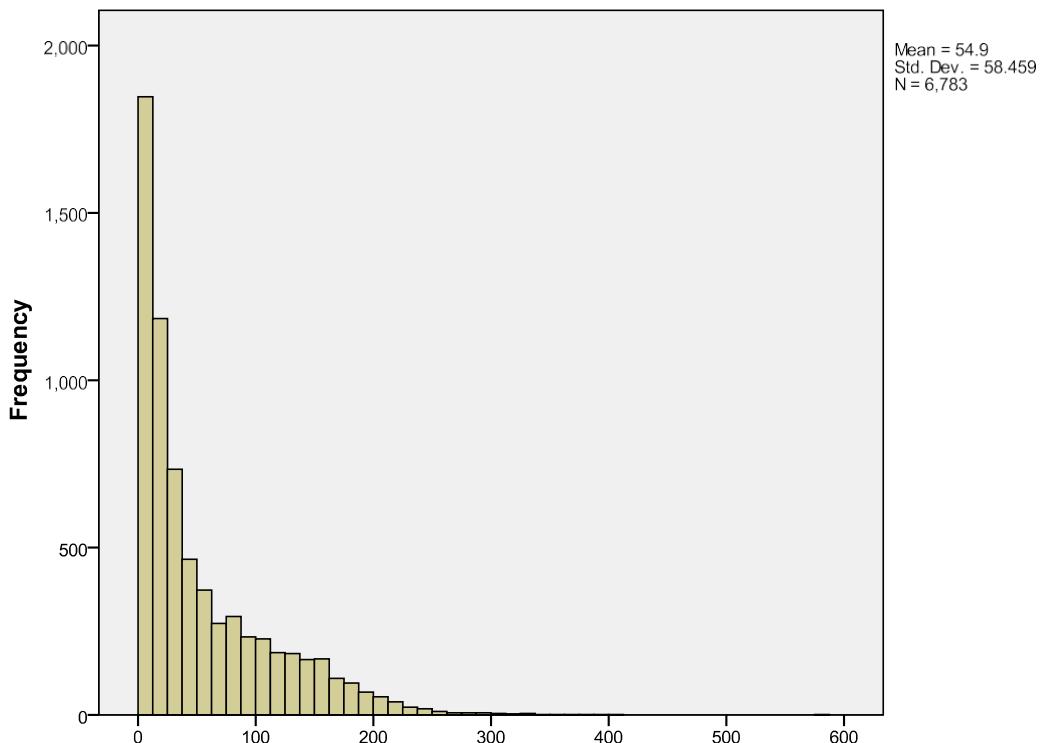


(c) Length of 2nd stage (minutes)

(Calculated from time of onset of 2nd stage (i.e. from full dilation) and time of delivery)

DEL_P1192 DV: Length of 2nd stage (minutes)

N	Valid	6783
	Missing	13004
Mean		54.90
Median		30.00
Std. Deviation		58.459
Range		585
Minimum		0
Maximum		585



Presentation at onset of labour and at delivery

P1200 indicates the presentation at the onset of labour or at CS; for P1201 which also relates to presentation, the instructions to the DAs were, if Keiland forceps were used the code 4 should be used.

DEL_P1200 C5a: Presentation at onset of labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Vertex	7614	38.5	93.6	93.6
	2 Breech	426	2.2	5.2	98.8
	3 Other	98	.5	1.2	100.0
	Total	8138	41.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	206	1.0		
	-1 Not Answered	25	.1		
	Total	11649	58.9		
Total		19787	100.0		

DEL_P1201 C5b: Presentation at delivery or at caesarean

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Vertex OA	6603	33.4	81.0	81.0
	2 Vertex OP	342	1.7	4.2	85.2
	3 Breech	344	1.7	4.2	89.4
	4 Other	860	4.3	10.6	100.0
Total		8149	41.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	220	1.1		
	Total	11638	58.8		
	Total	19787	100.0		

Method of delivery

The instructions for P1210 was that if a failed, in combination with a successful, method of delivery, code 6 should be used.

DEL_P1210 C6a: Method of delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Spontaneous	5025	25.4	61.1	61.1
	1 Assisted breech	156	.8	1.9	63.0
	2 Breech, extraction	6	.0	.1	63.1
	3 Caesarean section	1444	7.3	17.6	80.6
	4 Forceps	713	3.6	8.7	89.3
	5 Vacuum extraction	714	3.6	8.7	98.0
	6 Other	164	.8	2.0	100.0
	Total	8222	41.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	147	.7		
	Total	11565	58.4		
Total		19787	100.0		

Type of forceps: (Andersons = Neville Barnes Forceps)

DEL_P1211 C6b: Type of forceps used

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Wrigley's	250	1.3	3.1	3.1
	2 Rhodes	443	2.2	5.4	8.5
	3 Neville Barnes	166	.8	2.0	10.5
	4 Keilland's	203	1.0	2.5	13.0
	5 Other	72	.4	.9	13.8
	7 Not delivered by forceps	7060	35.7	86.2	100.0
	Total	8194	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	29	.1		
	-1 Not Answered	146	.7		
	Total	11593	58.6		
Total		19787	100.0		

Type of CS

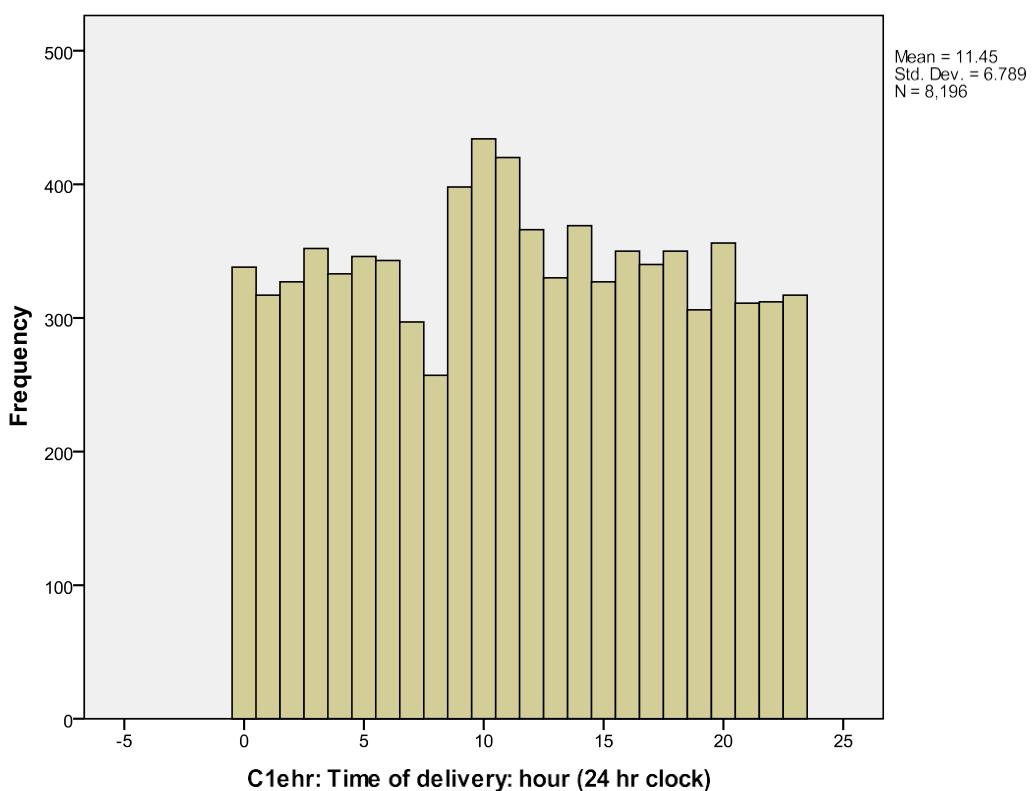
The instructions for classification of CS were as follows: Elective CS must have been pre-planned during the antenatal period; if elective is booked but woman goes into labour and has CS, code as emergency.

DEL_P1212 C6c: Delivery by caesarean section

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes elective	519	2.6	6.3	6.3
	2 Yes emergency	935	4.7	11.4	17.7
	3 No	6772	34.2	82.3	100.0
	Total	8226	41.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	143	.7		
	Total	11561	58.4		
Total		19787	100.0		

Reason for CS

Keyed as text; not yet coded.



II.8 Medications or analgesics to mother in labour or at CS

Anaesthetics used

(a) General anaesthetic

DEL_P1220 C7ig: General anaesthetic used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	651	3.3	7.8	7.8
	2 No	7718	39.0	92.2	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(b) Epidural

Instructions to DAs were that if Bupivacaine (Marcaine) administered via the epidural there was no need to document this, although other drugs used were to be documented.

DEL_P1221 C7ii: Lumbar epidural used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2558	12.9	30.6	30.6
	2 No	5811	29.4	69.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1222 C7ib: Caudal epidural used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2	.0	.0	.0
	2 No	8367	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1223 C7id: Epidural n.o.s used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	36	.2	.4	.4
	2 No	8333	42.1	99.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(c) Other delivery of anaesthetic

DEL_P1224 C7ij: Perineal infiltration used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1079	5.5	12.9	12.9
	2 No	7290	36.8	87.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1225 C7im: Pudendal block used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	254	1.3	3.0	3.0
	2 No	8115	41.0	97.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1226 C7in: Spinal anaesthetic used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	435	2.2	5.2	5.2
	2 No	7934	40.1	94.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Analgesics used(a) Gas and air

DEL_P1227 C7if: Gas and air used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5623	28.4	67.2	67.2
	2 No	2746	13.9	32.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(b) Opiates:Diamorphine

DEL_P1228 C7ic: Diamorphine used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	186	.9	2.2	2.2
	2 No	8183	41.4	97.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Pethidine

DEL_P1229 C7ik: Pethidine used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2430	12.3	29.0	29.0
	2 No	5939	30.0	71.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Pethilorfan

DEL_P1230 C7il: Pethilorfan used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4	.0	.0	.0
	2 No	8365	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(c) Other analgesic drugs: Fentanyl

DEL_P1231 C7ie: Fentanyl used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	412	2.1	4.9	4.9
	2 No	7957	40.2	95.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Physical assistance

(a) Birthing pool

DEL_P1232 C7ia: Birthing pool used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	119	.6	1.4	1.4
	2 No	8250	41.7	98.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(b) Hot bath or hydrotherapy

DEL_P1233 C7ih: Hot bath used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	968	4.9	11.6	11.6
	2 No	7401	37.4	88.4	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

(c) TENS

DEL_P1234 C7io: T.E.N.S used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	521	2.6	6.2	6.2
	2 No	7848	39.7	93.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

***Other analgesics/anaesthetics given* (described in text, not yet coded)**

DEL_P1235 C7ip: Other used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1015	5.1	12.1	12.1
	2 No	7354	37.2	87.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

No pain relief in labour

DEL_P1236 C7iq Nothing used during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None of the above	428	2.2	5.2	5.2
	2 Analgesia /anaesthesia given	7769	39.3	94.8	100.0
	Total	8197	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	172	.9		
	Total	11590	58.6		
Total		19787	100.0		

Medications in labour or at CS other than those used for induction, anaesthesia, analgesia or augmentation

Antibiotics

DEL_P1240 C7iia: Antibiotics given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	128	.6	1.5	1.5
	2 No	8241	41.6	98.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Benzodiazepams

DEL_P1241 C7iic: Diazepam (valium) given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5	.0	.1	.1
	2 No	8364	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1242 C7iif: Nitrazepam given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1243 C7iip: Temazepam given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	84	.4	1.0	.1
	2 No	8285	41.9	99.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Anticonvulsants

DEL_P1244 C7iii: Phenobarbitone given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8	.0	.1	.1
	2 No	8361	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1245 C7iij: Phenytoin given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	32	.2	.4	.4
	2 No	8337	42.1	99.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Antihistamines

DEL_P1246 C7iih: Phenergan given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1685	8.5	20.1	20.1
	2 No	6684	33.8	79.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Ranitidine – Ranitidine is an antihistamine. If given as pre-medication on morning of CS, it was coded here; otherwise it was documented elsewhere (B7c)

DEL_P1247 C7iik: Ranitidine given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1245	6.3	14.9	14.9
	2 No	7124	36.0	85.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other medication

Dexamethasone – Dexamethasone is a steroid given to women at risk of preterm delivery in order to promote maturation of the fetal lungs.

DEL_P1248 C7iib: Dexamethasone given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5	.0	.1	.1
	2 No	8364	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Dichloralphenazone – Dichloralphenazone is a 1:2 mixture of antipyrine with chloral hydrate and used for treatment of headache.

DEL_P1249 C7iid: Dichloralphenazone given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Ephedrine – Ephedrine is a vasoconstrictor used for the treatment of hypotension after epidural and spinal anaesthesia.

DEL_P1250 C7iie: Ephedrine given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	412	2.1	4.9	4.9
	2 No	7957	40.2	95.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Ritodrine – Ritodrine (Yutopar or Terbutaline) is used as a tocolytic medicine to slow uterine contractions during preterm labour. It is a beta-2 adrenergic receptor agonist.

DEL_P1251 C7iiii: Ritodrine given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	27	.1	.3	.3
	2 No	8342	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Salbutamol – Salbutamol is a short acting β_2 -adrenergic receptor agonist for the relief of bronchospasm (e.g. in asthma)

DEL_P1252 C7iim: Salbutamol given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7	.0	.1	.1
	2 No	8362	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Sodium citrate

DEL_P1253 C7iin: Sodium citrate given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1038	5.2	12.4	12.4
	2 No	7331	37.0	87.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Stemetil – Stemetil (prochlorperazine) is an antiemetic, used for nausea and vomiting. It is a phenothiazine antipsychotic.

DEL_P1254 C7iio: Stemetil given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	366	1.8	4.4	4.4
	2 No	8003	40.4	95.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Oxygen

DEL_P1255 C7iig: Oxygen given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1713	8.7	20.5	20.5
	2 No	6656	33.6	79.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other – (These drugs were keyed as text but are not yet coded)

DEL_P1256 C7iiq: Other drug given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	782	4.0	9.3	9.3
	2 No	7587	38.3	90.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

No medication given

DEL_P1257 C7iir: No 'other' drugs given during 1st or 2nd stages or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No drugs given	3875	19.6	47.5	47.5
	2 Drugs given	4284	21.7	52.5	100.0
	Total	8159	41.2	100.0	
Missing	-10 Not completed	11418	57.7		
	9 Not known	210	1.1		
	Total	11628	58.8		
	Total	19787	100.0		

II.9 Maternal complications during labour/at CS

Signs of hypertensive disorder

Blood pressure

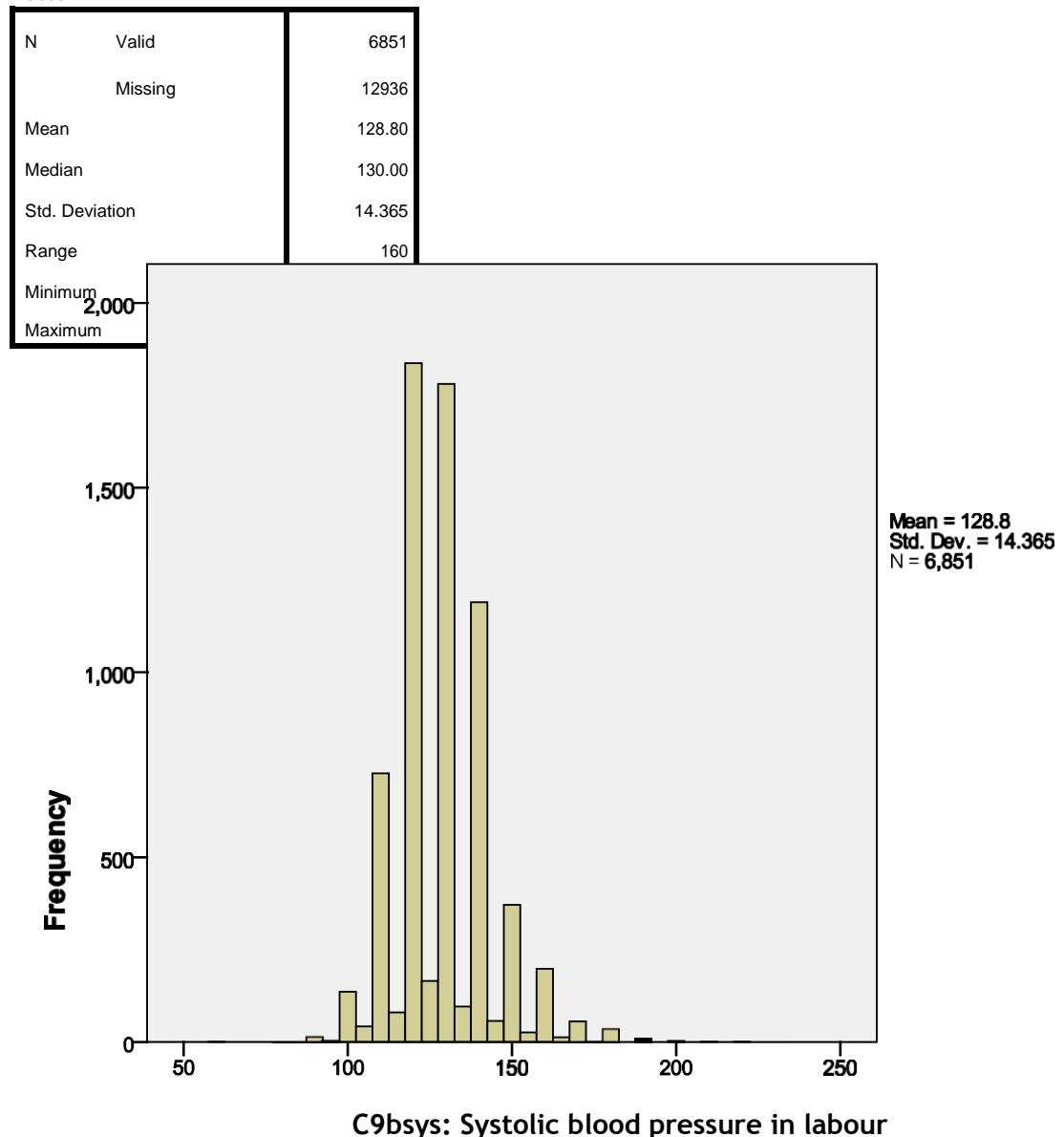
Measured in labour or at the time of CS

DEL_P1260 C9a: Mother's BP taken

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	6861	34.7	84.2	84.2
	2 No	474	2.4	5.8	90.0
	3 Caesarean sect no labour	811	4.1	10.0	100.0
	Total	8146	41.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	223	1.1		
	Total	11641	58.8		
Total		19787	100.0		

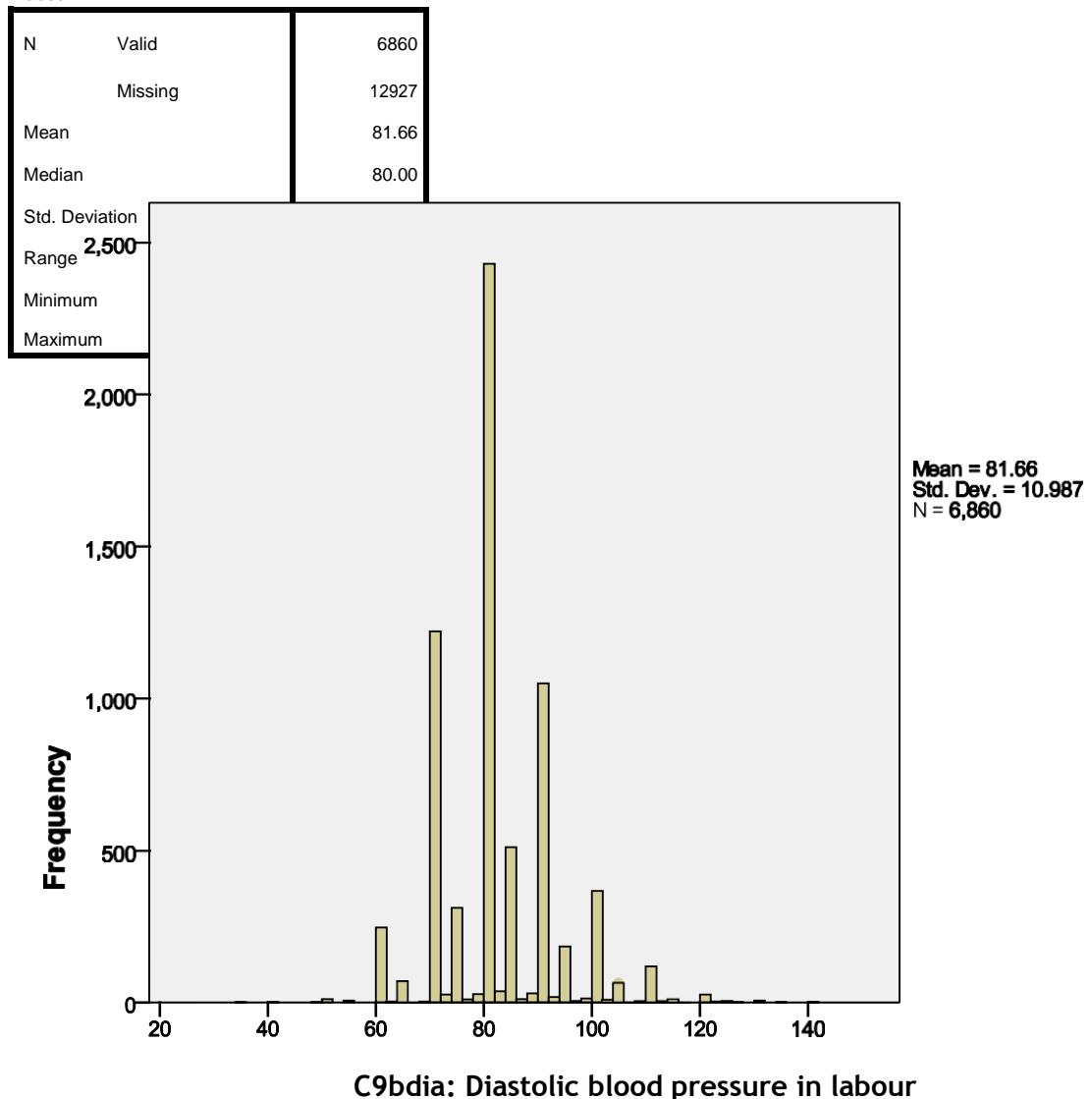
DEL_P1261 C9bsys: systolic blood pressure in

labour



DEL_P1262 C9bdia: Diastolic blood pressure in

labour



Proteinuria

DEL_P1263 C10a: Mother's urine tested for protein in labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3944	19.9	53.8	53.8
	2 No	3381	17.1	46.2	100.0
	Total	7325	37.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-2 No labour	811	4.1		
	-1 Not Answered	232	1.2		
	Total	12462	63.0		
	Total	19787	100.0		

DEL_P1264 C10b: Result of protein test on mother's urine

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Nil	2828	14.3	72.0	72.0
	1 Trace	422	2.1	10.7	82.7
	2 +	497	2.5	12.6	95.3
	3 ++	129	.7	3.3	98.6
	4 +++	37	.2	.9	99.6
	5 More than +++	17	.1	.4	100.0
	Total	3930	19.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	4439	22.4		
	Total	15857	80.1		
	Total	19787	100.0		

Eclampsia

DEL_P1265 C13f: Eclamptic convulsions noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Oedema

DEL_P1266 C12a: Any oedema present in labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	376	1.9	6.6	6.6
	2 No	5281	26.7	93.4	100.0
	Total	5657	28.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-2 No labour	811	4.1		
	-1 Not Answered	1900	9.6		
	Total	14130	71.4		
	Total	19787	100.0		

DEL_P1267 C12b: Sites of oedema in labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Generalised	14	.1	3.8	3.8
	2 Ankles only	78	.4	21.0	24.8
	3 Hands only	55	.3	14.8	39.6
	5 Other only	65	.3	17.5	57.1
	6 More than 1 site	159	.8	42.9	100.0
	Total	371	1.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	7998	40.4		
	Total	19416	98.1		
Total		19787	100.0		

Other conditions in labour or at CS

Maternal haemorrhage

DEL_P1268 C8: Mother haemorrhaged prior to delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes placenta praevia	8	.0	.1	.1
	2 No haemorrhage	7150	36.1	87.5	87.5
	3 Yes APH unspecified	51	.3	.6	88.2
	4 Yes abruption	18	.1	.2	88.4
	5 No labour	688	3.5	8.4	96.8
	6 Other	261	1.3	3.2	100.0
	Total	8176	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	193	1.0		
	Total	11611	58.7		
Total		19787	100.0		

Pyrexia

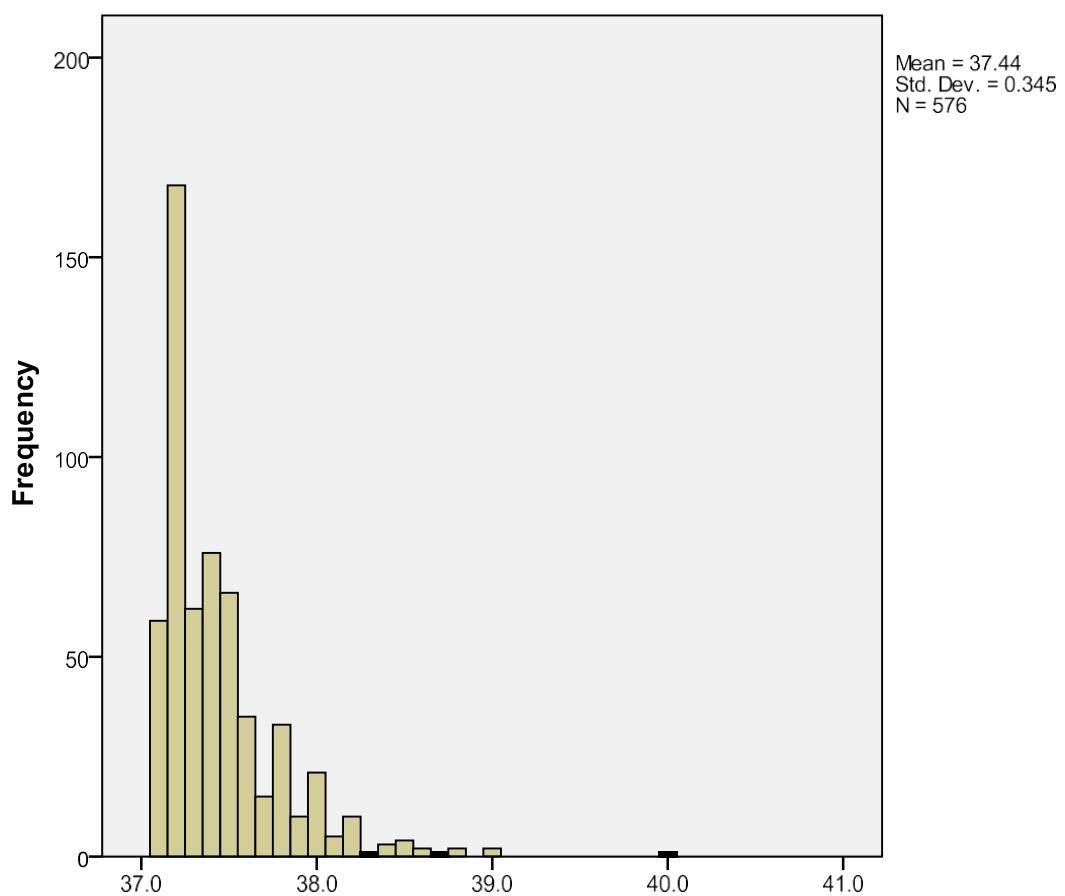
DEL_P1269 C13p: Pyrexia noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	578	2.9	6.9	6.9
	2 No	7791	39.4	93.1	100.0
	Total	8369	42.3	100.0	
	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1270 C13ptemp: Temperature when

pyrexia occurred

N	Valid	576
	Missing	19211
Mean		37.441
Median		37.300
Std. Deviation		.3447
Range		2.9
Minimum		37.1
Maximum		40.0



Maternal distress

DEL_P1271 C13e: Distress noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1076	5.4	12.9	12.9
	2 No	7293	36.9	87.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Ketonuria

DEL_P1272 C11a: Mother's urine tested for ketones in labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3929	19.9	53.6	53.6
	2 No	3397	17.2	46.4	100.0
	Total	7326	37.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	-1 Not Answered	232	1.2		
	Total	12461	63.0		
Total		19787	100.0		

DEL_P1273 C11b: Result of ketone test on mother's urine

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Nil	2791	14.1	71.4	71.4
	1 Trace	162	.8	4.1	75.5
	2 + (small)	362	1.8	9.3	84.8
	3 ++ (moderate)	397	2.0	10.2	94.9
	4 +++ (large)	198	1.0	5.1	100.0
	Total	3910	19.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	4459	22.5		
	Total	15877	80.2		
Total		19787	100.0		

Diagnosis of length and progress of labour

Precipitate labour

The following categories were only recorded here if they were specifically stated as such in the notes

DEL_P1274 C13m: Precipitate labour noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	31	.2	.4	.4
	2 No	8338	42.1	99.6	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Prolonged 1st stage

DEL_P1275 C13n: Prolonged 1st stage noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8	.0	.1	.1
	2 No	8361	42.3	99.9	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Prolonged 2nd stage

DEL_P1276 C13o: Prolonged 2nd stage noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	182	.9	2.2	2.2
	2 No	8187	41.4	97.8	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Failure to progress

DEL_P1277 C13g: Failure to progress noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	819	4.1	9.8	9.8
	2 No	7550	38.2	90.2	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Obstructed labour

DEL_P1278 C13k: Obstructed labour noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	21	.1	.3	.3
	2 No	8348	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Cord complications

Cord around neck

DEL_P1290 C13c: Cord around neck noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1933	9.8	23.1	23.1
	2 No	6435	32.5	76.9	100.0
	Total	8368	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	Total	11419	57.7		
Total		19787	100.0		

Cord prolapse

DEL_P1291 C13d: Cord prolapse noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	24	.1	.3	.3
	2 No	8345	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Meconium in liquor

DEL_P1292 C13h: Fresh meconium in liquor noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	279	1.4	3.3	3.3
	2 No	8090	40.9	96.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1293 C13l: Old meconium in liquor noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	111	.6	1.3	1.3
	2 No	8258	41.7	98.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1294 C13j: Meconium N.E.C noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1063	5.4	12.7	12.7
	2 No	7306	36.9	87.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Maternal position

Left lateral

DEL_P1300 C13i: Left lateral position noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2287	11.6	27.3	27.3
	2 No	6082	30.7	72.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Right lateral

DEL_P1301 C13q: Right lateral position noted in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	727	3.7	8.7	8.7
	2 No	7642	38.6	91.3	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Water birth

DEL_P1302 C13r: Water birth

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	31	.2	.4	.4
	2 No	8338	42.1	99.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Procedures to mother in labour

Blood transfusion

DEL_P1310 C13a: Blood transfusion noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	11	.1	.1	.1
	2 No	8358	42.2	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Catheterisation

DEL_P1311 C13b: Catheterization noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3116	15.7	37.2	37.2
	2 No	5252	26.5	62.8	100.0
	Total	8368	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	Total	11419	57.7		
Total		19787	100.0		

Other complications

These were recorded as text.

DEL_P1312 C13s: Other complications noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5525	27.9	66.0	66.0
	2 No	2844	14.4	34.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

No complications

DEL_P1313 C13t: Nothing noted as occurring in labour or at CS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None occurred	1147	5.8	14.0	14.0
	2 complications occurred	7028	35.5	86.0	100.0
	Total	8175	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	192	1.0		
	-7 Unresolved	2	.0		
	Total	11612	58.7		
	Total	19787	100.0		

Fetal heart rate monitoring

CTG monitoring

DEL_P1320 C14ia: Intermittent CTG monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4022	20.3	95.4	95.4
	2 No labour	2	.0	.0	95.5
	3 No monitoring noted	190	1.0	4.5	100.0
	Total	4214	21.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	-1 Not Answered	3344	16.9		
	Total	15573	78.7		
	Total	19787	100.0		

DEL_P1321 C14ib: Continuous CTG monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4703	23.8	62.2	62.2
	2 No	2855	14.4	37.8	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

FSE monitoring

DEL_P1322 C14ic: FSE monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1511	7.6	20.0	20.0
	2 No	6046	30.6	80.0	100.0
	Total	7557	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-2 No labour	811	4.1		
Total		12230	61.8		
Total		19787	100.0		

Auscultation

DEL_P1323 C14id: Auscultation monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1368	6.9	18.1	18.1
	2 No	6190	31.3	81.9	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Sonicaid monitoring

DEL_P1324 C14ie: Sonicaid monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	320	1.6	4.2	4.2
	2 No	7238	36.6	95.8	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Other types of monitoring

DEL_P1325 C14ig: Other monitoring noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	38	.2	.5	.5
	2 No	7520	38.0	99.5	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Unknown type of monitoring

DEL_P1326 C14if: Fetal heart heard but not known what with

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2539	12.8	33.6	33.6
	2 No	5019	25.4	66.4	100.0
	Total	7558	38.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No labour	811	4.1		
	Total	12229	61.8		
Total		19787	100.0		

Fetal heart rate abnormalities

DEL_P1330 C15a1: Abnormalities noted in fetal heart rate in labour

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4601	23.3	64.0	64.0
	2 No	2586	13.1	36.0	
	Total	7187	36.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-9 No indication in notes	62	.3		
	-1 Not Answered	174	.9		
	-2 Not applicable	946	4.8		
	Total	12600	63.7		
Total		19787	100.0		

Tachycardia

DEL_P1331 c15a2b1: First stage: Baseline tachycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	351	1.8	4.2	4.2
	2 No	8015	40.5	95.8	
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
	Total	19787	100.0		

DEL_P1332 c15a2b2: Second Stage: Baseline tachycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	239	1.2	2.9	2.9
	2 No	8127	41.1	97.1	
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
	Total	19787	100.0		

DEL_P1333 c15a2bnc: Not clear when: Baseline tachycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1334 DV: c15a2b: Baseline tachycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	419	2.1	5.0	5.0
	2.00 No	7950	40.2	95.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

DEL_P1335 c15a2a1: First stage: Tachycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	371	1.9	4.4	4.4
	2 No	7997	40.4	95.6	100.0
	Total	8368	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	Total	11419	57.7		
Total		19787	100.0		

DEL_P1336 c15a2a2: Second stage: Tachycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	270	1.4	3.2	3.2
	2 No	8098	40.9	96.8	100.0
	Total	8368	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	Total	11419	57.7		
Total		19787	100.0		

DEL_P1337 c15a2anc: Not clear when: Tachycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2	.0	.0	.0
	2 No	8367	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1338 DV: c15a2a: Tachycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	574	2.9	6.9	6.9
	2.00 No	7795	39.4	93.1	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Bradycardia**DEL_P1339 c15a2d1: First stage: Baseline bradycardia noted**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	296	1.5	3.5	3.5
	2 No	8070	40.8	96.5	100.0
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
Total		19787	100.0		

DEL_P1340 c15a2d2: Second stage: Baseline bradycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	176	.9	2.1	2.1
	2 No	8190	41.4	97.9	100.0
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
Total		19787	100.0		

DEL_P1341 c15a2dnc: Not clear when: Baseline bradycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2	.0	.0	.0
	2 No	8367	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1342 DV: c15a2d: Baseline bradycardia noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	265	1.3	3.2	3.2
	2.00 No	8104	41.0	96.8	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

DEL_P1343 c15a2c1: First stage: Bradycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	830	4.2	9.9	9.9
	2 No	7537	38.1	90.1	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1344 c15a2c2: Second stage: Bradycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	841	4.3	10.1	10.1
	2 No	7526	38.0	89.9	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1345 c15a2cnc: Not clear when : Bradycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7	.0	.1	.1
	2 No	8362	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1346 DV: c15a2c: Bradycardia N.O.S noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1226	6.2	14.6	14.6
	2.00 No	7143	36.1	85.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Type 1 dips**DEL_P1347 c15a2e1: First stage : Type 1 dips/early decels noted**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2130	10.8	25.5	25.5
	2 No	6230	31.5	74.5	100.0
	Total	8360	42.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	9	.0		
	Total	11427	57.8		
Total		19787	100.0		

DEL_P1348 c15a2e2: Second stage: Type 1 dips/early decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1061	5.4	12.7	12.7
	2 No	7299	36.9	87.3	100.0
	Total	8360	42.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	9	.0		
	Total	11427	57.8		
Total		19787	100.0		

DEL_P1349 c15a2enc: Not known when: Type 1 dips/early decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2	.0	.0	.0
	2 No	8367	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1350 DV: c15a2e: Type 1 dips/early decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1369	6.9	16.4	16.4
	2.00 No	7000	35.4	83.6	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Type 2 dips

DEL_P1351 c15a2f1: First stage: Type 2 dips/late decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	847	4.3	10.1	10.1
	2 No	7519	38.0	89.9	100.0
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
Total		19787	100.0		

DEL_P1352 c15a2f2: Second stage: Type 2 dips/late decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	810	4.1	9.7	9.7
	2 No	7556	38.2	90.3	100.0
	Total	8366	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	3	.0		
	Total	11421	57.7		
Total		19787	100.0		

DEL_P1353 c15a2fnc: Not clear when: Type 2 dips/late decels noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Loss of beat to beat variability**DEL_P1354 DV: c15a2f: Type 2 dips/late decels noted**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	207	1.0	2.5	2.5
	2.00 No	8162	41.2	97.5	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

DEL_P1355 c15a2g1: First stage: Loss of beat to beat variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	73	.4	.9	.9
	2 No	8296	41.9	99.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1356 c15a2g2: Second stage: Loss of beat to beat variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	12	.1	.1	.1
	2 No	8357	42.2	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1357 c15a2gnc: Not clear when: Loss of beat to beat variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
	-10 Not completed	11418	57.7		
	Total	19787	100.0		

DEL_P1358 DV: c15a2g: Loss of beat to beat variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	8	.0	.1	.1
	2.00 No	8361	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Reduced/poor variability

DEL_P1359 c15a2h1:First stage: Reduced or poor variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	623	3.1	7.4	7.4
	2 No	7742	39.1	92.6	100.0
	Total	8365	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	4	.0		
	Total	11422	57.7		
Total		19787	100.0		

DEL_P1360 c15a2h2:Second stage: Reduced or poor variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	93	.5	1.1	1.1
	2 No	8272	41.8	98.9	100.0
	Total	8365	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	4	.0		
	Total	11422	57.7		
Total		19787	100.0		

DEL_P1361 c15a2hnc: Not clear when: Reduced or poor variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1362 DV: c15a2h: Reduced or poor variability noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	95	.5	1.1	1.1
	2.00 No	8274	41.8	98.9	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
	Total	19787	100.0		

Variable decelerations

DEL_P1363 c15a2j1:First stage: Variable decelerations noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	777	3.9	9.3	9.3
	2 No	7590	38.4	90.7	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1364 c15a2j2:Second stage: Variable decelerations noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	570	2.9	6.8	6.8
	2 No	7797	39.4	93.2	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1365 c15a2jnc: Not clear when: Variable decelerations noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4	.0	.0	.0
	2 No	8365	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

DEL_P1366 DV: c15a2j: Variable decelerations noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	53	.3	.6	.6
	2.00 No	8316	42.0	99.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Decelerations with slow recovery**DEL_P1367 c15a2k1: First stage Decelerations with slow recovery noted**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	311	1.6	3.7	3.7
	2 No	8056	40.7	96.3	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1368 c15a2k2: Second stage: Decelerations with slow recovery noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	288	1.5	3.4	3.4
	2 No	8079	40.8	96.6	100.0
	Total	8367	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	Total	11420	57.7		
Total		19787	100.0		

DEL_P1369 c15a2knc: Not clear when: Decelerations with slow recovery noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1370 DV: c15a2k: Decelerations with slow recovery noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	22	.1	.3	.3
	2.00 No	8347	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Flat trace/sinusoidal pattern**DEL_P1371 c15a2i1:First stage: Flat trace/sinusoidal pattern noted**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	119	.6	1.4	1.4
	2 No	8250	41.7	98.6	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1372 c15a2i2: Second stage: Flat trace/sinusoidal pattern noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7	.0	.1	.1
	2 No	8362	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1373 c15a2inc: Not clear when: Flat trace/sinusoidal pattern noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	8369	42.3	100.0	100.0
	-10 Not completed	11418	57.7		
	Total	19787	100.0		

DEL_P1374 DV: c15a2i: Flat trace/sinusoidal pattern noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	24	.1	.3	.3
	2.00 No	8345	42.2	99.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Other abnormality of fetal heart rate

DEL_P1375 c15a2I1: First stage: Other fetal heart rate noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1901	9.6	22.7	22.7
	2 No	6460	32.6	77.3	100.0
	Total	8361	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	8	.0		
	Total	11426	57.7		
Total		19787	100.0		

DEL_P1376 c15a2I2: Second stage: Other fetal heart rate noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1089	5.5	13.0	13.0
	2 No	7272	36.8	87.0	100.0
	Total	8361	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	8	.0		
	Total	11426	57.7		
Total		19787	100.0		

DEL_P1377 c15a2Iinc: Not clear when: Other fetal heart rate noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	11	.1	.1	.1
	2 No	8358	42.2	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1378 DV: c15a2I: Other fetal heart rate noted

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	332	1.7	4.0	4.0
	2.00 No	8037	40.6	96.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Fetal blood pH

DEL_P1390 C15b1: Were fetal blood samples taken

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	614	3.1	7.5	7.5
	2 No	7576	38.3	92.5	100.0
	Total	8190	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	179	.9		
	Total	11597	58.6		
Total		19787	100.0		

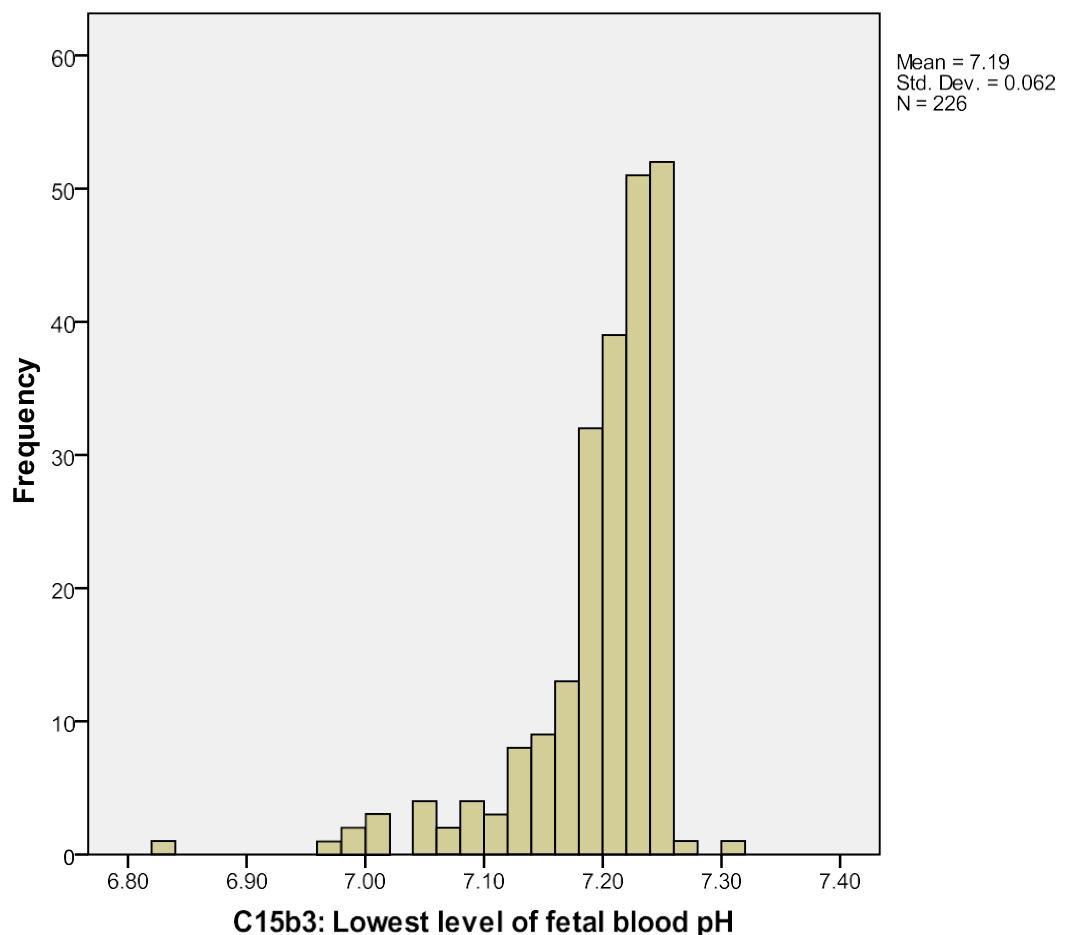
DEL_P1391 C15b2: Were there abnormalities in fetal blood pH

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	228	1.2	37.8	37.8
	2 No	375	1.9	62.2	100.0
	Total	603	3.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-2 No blood taken	7576	38.3		
	-1 Not Answered	190	1.0		
Total		19184	97.0		
Total		19787	100.0		

DEL_P1392 C15b3: Lowest level of fetal blood

pH

N	Valid	226
	Missing	19561
Mean		7.1941
Median		7.2100
Std. Deviation		.06163
Range		.47
Minimum		6.83
Maximum		7.30

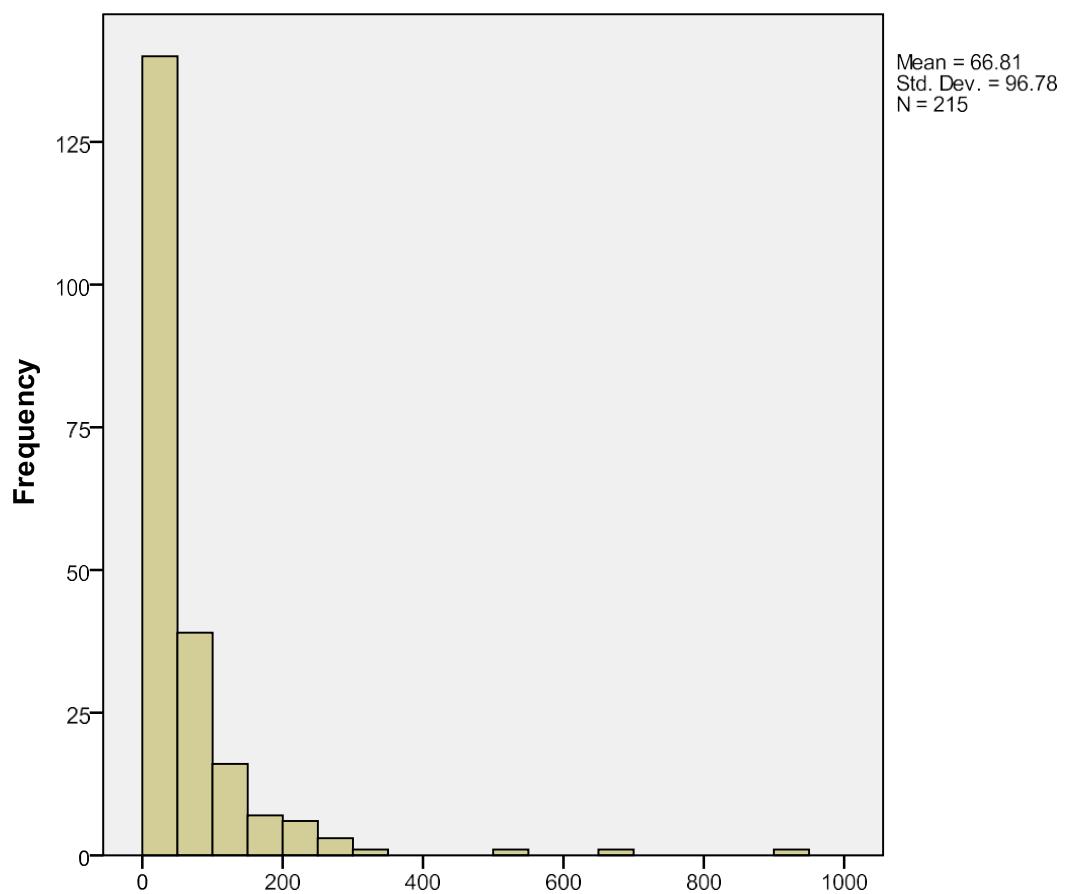


Statistics

DEL_P1393 Time from lowest pH to delivery

(Minutes)

N	Valid	215
	Missing	19572
Mean		66.81
Median		36.00
Std. Deviation		96.780
Range		939
Minimum		1
Maximum		940

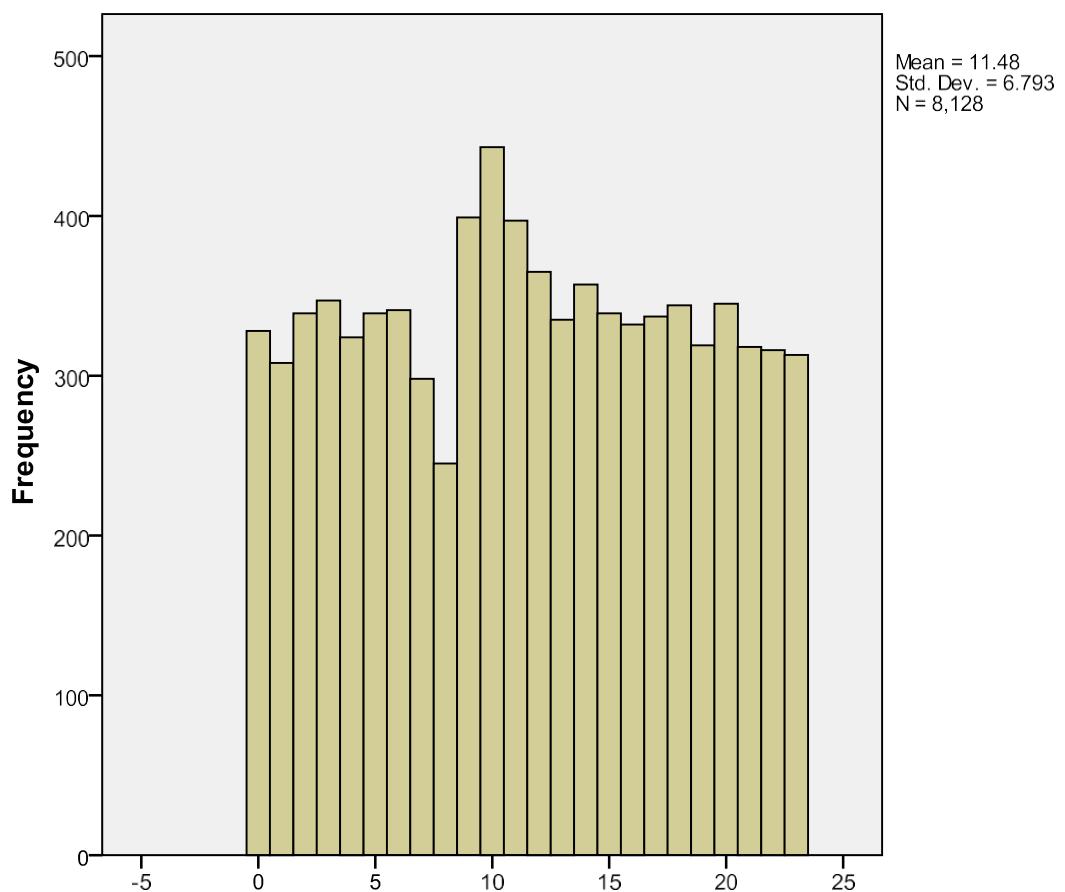


II.10 The mother post-delivery

3rd stage of labour

DEL_P1400 C1fhr: End of 3rd stage: hour

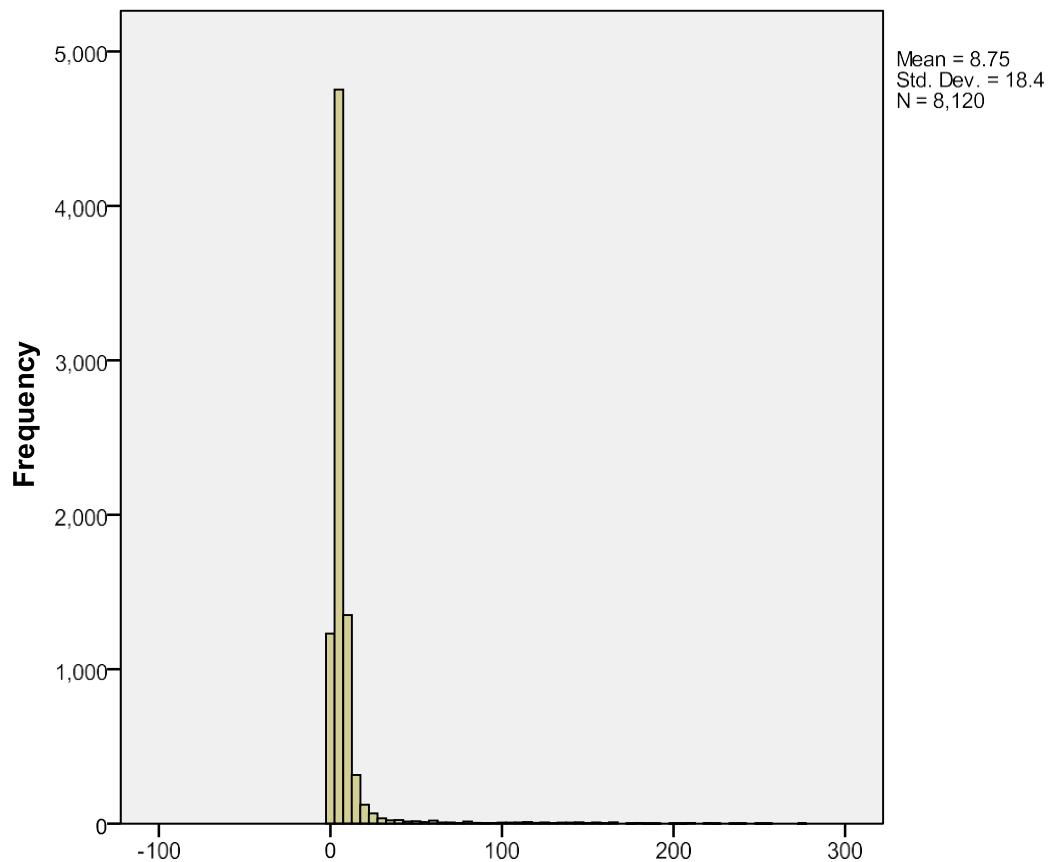
N	Valid	8128
	Missing	11659
Mean		11.48
Median		11.00
Std. Deviation		6.793
Range		23
Minimum		0
Maximum		23



DEL_P1401 DV: Length of 3rd stage (minutes)

(Derived from c1e & c1f dates)

N	Valid	8120
	Missing	11667
Mean		8.75
Median		5.00
Std. Deviation		18.400
Range		275
Minimum		0
Maximum		275



The perineum

DEL_P1410 C16a: Mother had episiotomy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2197	11.1	26.8	26.8
	2 No	6000	30.3	73.2	100.0
	Total	8197	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	172	.9		
	Total	11590	58.6		
Total		19787	100.0		

DEL_P1411 C16b: Mother had perineal tear

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes N.O.S	7	.0	.1	.1
	2 No	3952	20.0	48.2	48.3
	3 1st degree	550	2.8	6.7	55.0
	4 2nd degree	1679	8.5	20.5	75.5
	5 3rd degree	112	.6	1.4	76.9
	6 Other	1895	9.6	23.1	100.0
	Total	8195	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	174	.9		
	Total	11592	58.6		
Total		19787	100.0		

DEL_P1412 DV: C16b2: Mother had a perineal tear

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	4243	21.4	51.8	51.8
	2.00 No	3952	20.0	48.2	100.0
	Total	8195	41.4	100.0	
Missing	-1.00	174	.9		
	System	11418	57.7		
	Total	11592	58.6		
Total		19787	100.0		

Blood disorders postpartum

Postpartum haemorrhage (PPH)

(a) whether had PPH

DAs were told to only count as PPH if blood loss was 500ml or more

DEL_P1420 D2a: Mother had postpartum haemorrhage

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1240	6.3	15.2	15.2
	2 No	6934	35.0	84.8	100.0
	Total	8174	41.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	195	1.0		
	Total	11613	58.7		
Total		19787	100.0		

(b) Type of PPH

The definitions used by the DAs were that Primary PPH is within 24 hours of delivery, and Secondary PPH is after 24 hours.

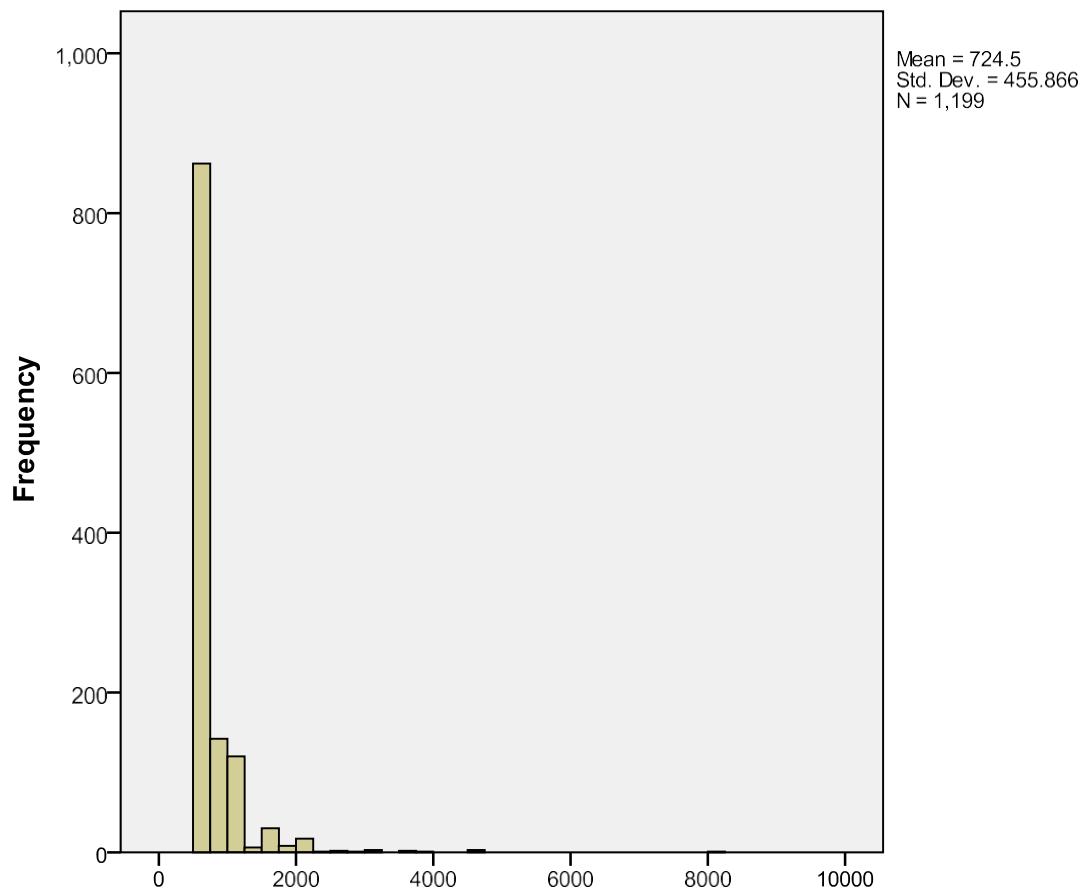
DEL_P1424 D2b: Postpartum haemorrhage primary or secondary

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Primary	1192	6.0	96.3	96.3
	2 Secondary	33	.2	2.7	98.9
	3 Both	13	.1	1.1	100.0
Missing	Total	1238	6.3	100.0	
	-10 Not completed	11418	57.7		
	-9	6	.0		
Total	-2 No PPH	6934	35.0		
	-1 Not Answered	191	1.0		
	Total	18549	93.7		
Total		19787	100.0		

(c) Amount of PPH

DEL_P1425 D2c: Amount of
postpartum haemorrhage in mls

N	Valid	1199
	Missing	18588
Mean		724.50
Median		600.00
Std. Deviation		455.866
Range		7500
Minimum		500
Maximum		8000



(d) Clots passed

DEL_P1426 D1e: Clots passed postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2278	11.5	27.2	27.2
	2 No	6091	30.8	72.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Diagnosed anaemia

DAs were told to record if Hb < 10g/dl

DEL_P1427 D1a: Anaemia postpartum

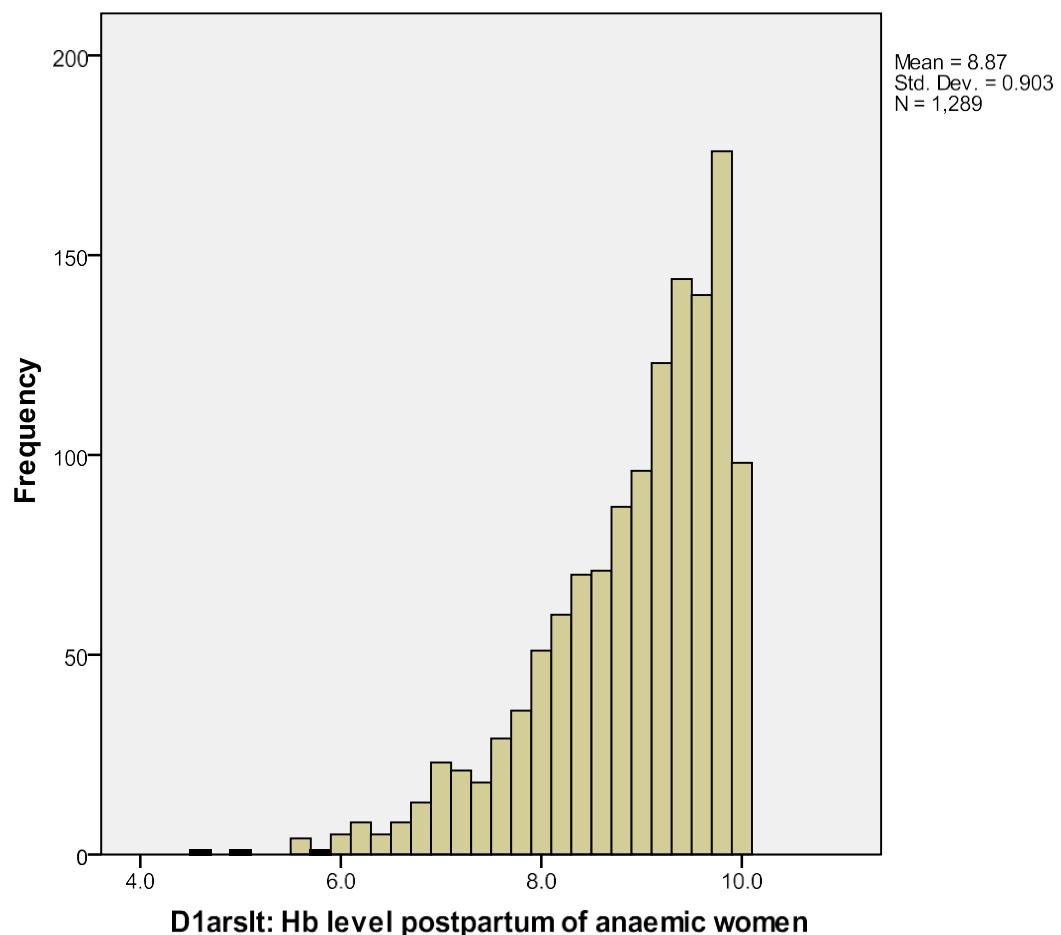
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1295	6.5	15.5	15.5
	2 No	7074	35.8	84.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Hb level

DEL_P1428 D1arslt: Hb level

postpartum of anaemic women

N	Valid	1289
	Missing	18498
Mean		8.873
Median		9.100
Std. Deviation		.9035
Range		5.3
Minimum		4.6
Maximum		9.9



Blood transfusion

DEL_P1429 D1b: Blood transfusion postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	247	1.2	3.0	3.0
	2 No	8122	41.0	97.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

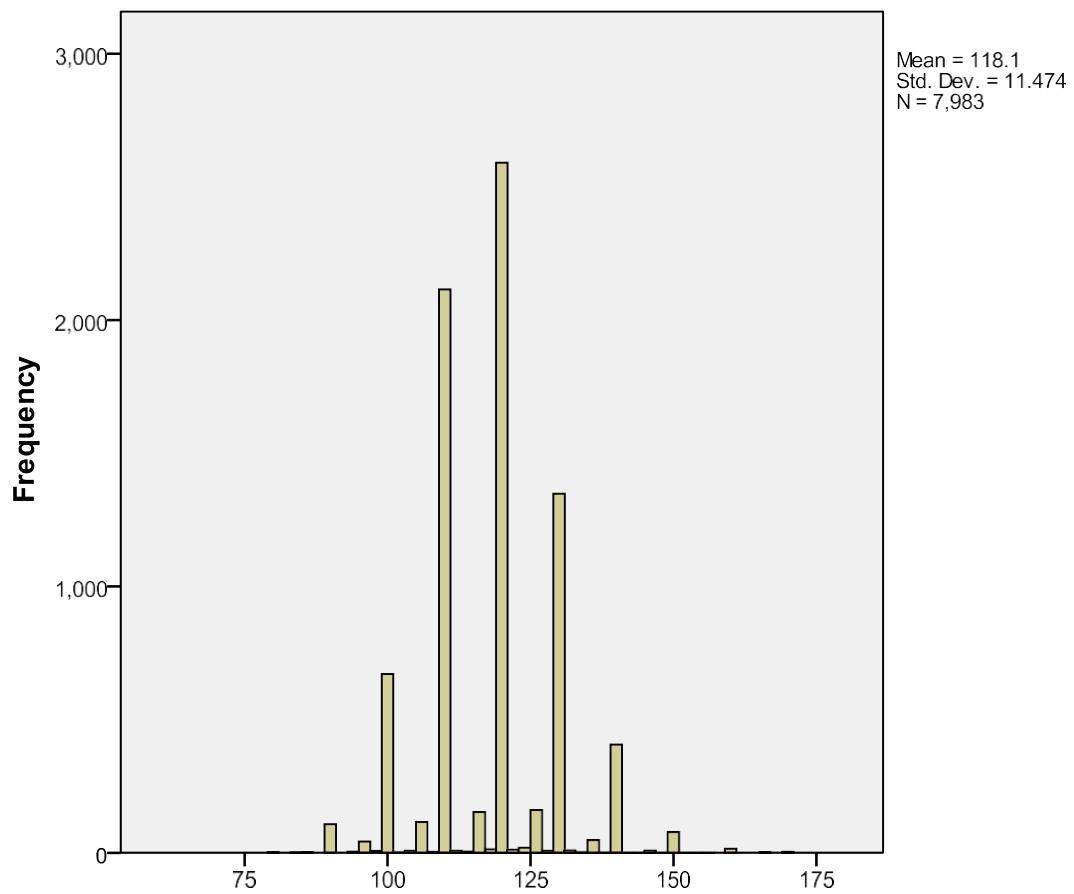
Blood pressures

Last BP recorded after delivery

DEL_P1440 D8sys: Mother's BP after delivery:

systolic reading

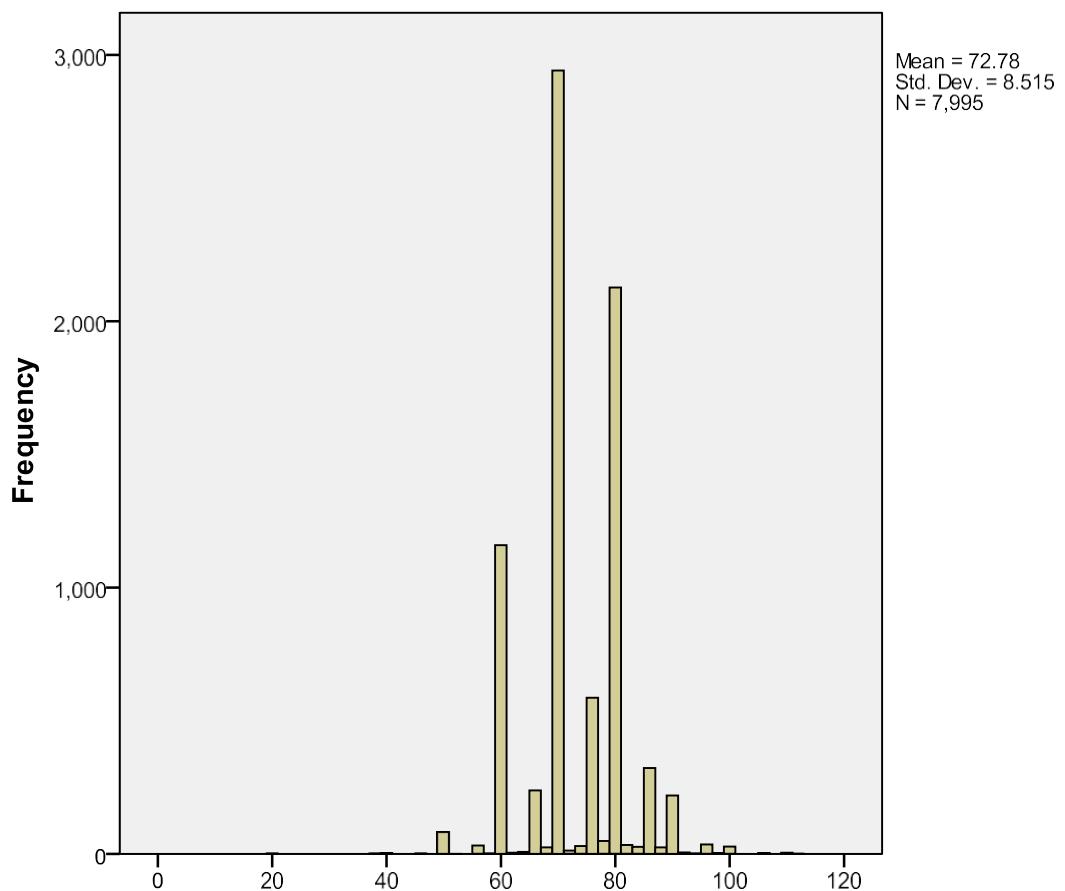
N	Valid	7983
	Missing	11804
Mean		118.10
Median		120.00
Std. Deviation		11.474
Range		90
Minimum		80
Maximum		170



DEL_P1441 D8dia: Mother's BP after delivery:

diastolic reading

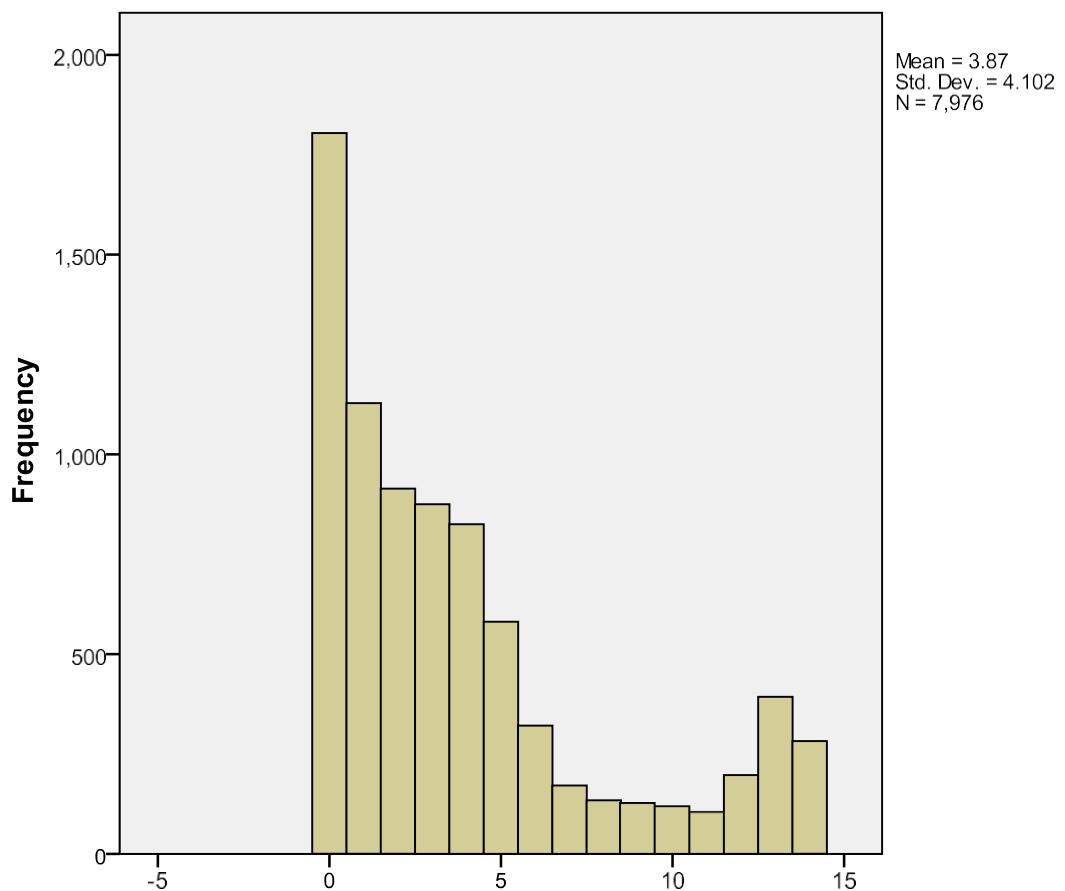
N	Valid	7995
	Missing	11792
Mean		72.78
Median		70.00
Std. Deviation		8.515
Range		92
Minimum		20
Maximum		112



DEL_P1442 DV: Days after delivery BP

measured

N	Valid	7976
	Missing	11811
Mean		3.87
Median		3.00
Std. Deviation		4.102
Range		14
Minimum		0
Maximum		14



Eclampsia

DEL_P1443 D1h: Eclamptic convulsions postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	4	.0	.0	.0
	2 No	8365	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Vascular disorders

DVT

DEL_P1450 D1g: Deep vein thrombosis postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3	.0	.0	.0
	2 No	8366	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Pulmonary embolism

DEL_P1451 D1r: Pulmonary embolism postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.0	.0	.0
	2 No	8368	42.3	100.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Breast disorders

Mastitis

The DAs were told to tick only if a definite diagnosis of mastitis.

DEL_P1460 D1n: Mastitis postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	242	1.2	2.9	2.9
	2 No	8127	41.1	97.1	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Breast problems

The DAs were told to include 'full and hard', or 'full and painful' but not just full.

DEL_P1461 D1c: Breast problems postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5609	28.3	67.0	67.0
	2 No	2760	13.9	33.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

[The breast problems were specified and keyed as text.]

Infections

Uterine infection

This was only identified if there was a definite diagnosis.

DEL_P1470 D1w: Uterine infection postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	165	.8	2.0	2.0
	2 No	8204	41.5	98.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Genital infection

This was recorded when 'thrush' was reported.

DEL_P1471 D1i: Genital infection postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	75	.4	.9	.9
	2 No	8294	41.9	99.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Infection of CS wound

DEL_P1472 D1k: Infection of caesarean wound postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	85	.4	1.0	1.0
	2 No	8284	41.9	99.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Infected episiotomy or perineal tear

DEL_P1473 D1l: Infection of episiotomy / tear postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	80	.4	1.0	1.0
	2 No	8289	41.9	99.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Urinary infection

The DA's instructions were to tick only if there had been a definite diagnosis.

DEL_P1474 D1v: Urinary infection postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	162	.8	1.9	1.9
	2 No	8207	41.5	98.1	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Pyrexia

This was to be reported for temperatures above 37.0

DEL_P1475 D1s: Pyrexia postpartum

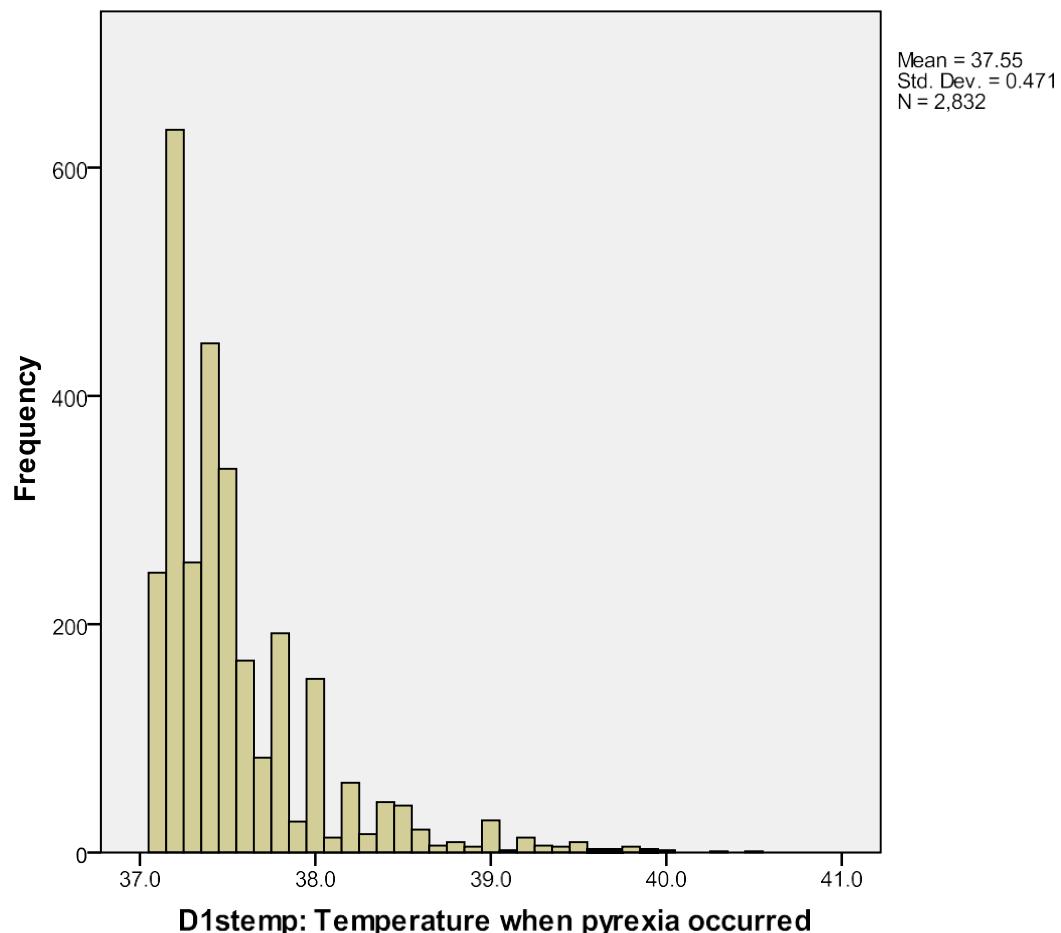
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	2842	14.4	34.0	34.0
	2 No	5527	27.9	66.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Temperature recorded

DEL_P1476 D1stemp: Temperature when

pyrexia occurred

N	Valid	2832
	Missing	16955
Mean		37.547
Median		37.400
Std. Deviation		.4711
Range		3.4
Minimum		37.1
Maximum		40.5



Urinary difficulties

Micturition problems

For problems identified the type of problem was recorded as text.

DEL_P1480 D1o: Micturition problems postpartum					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1254	6.3	15.0	15.0
	2 No	7115	36.0	85.0	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Catheterisation

The DA was told: If catheter in situ, tick box (i.e. catheterised antenatally or in labour). SMD has 'in and out' catheterisations which are documented here if after delivery but before completion of third stage.

DEL_P1481 D1d: Catheterization postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1961	9.9	23.4	23.4
	2 No	6408	32.4	76.6	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Haemorrhoids

DEL_P1482 D1j: Haemorrhoids postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1088	5.5	13.0	13.0
	2 No	7281	36.8	87.0	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Maternal psychiatric disorders

Depression

This was not ticked unless recorded in the notes.

DEL_P1490 D1f: Depression postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	34	.2	.4	.4
	2 No	8335	42.1	99.6	
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

Psychosis

DEL_P1491 D1q: Psychosis postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7	.0	.1	.1
	2 No	8362	42.3	99.9	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Other disorders

The DA instructions were:

Details of complications or treatments go here even if another box is ticked apart from breast and perineal problems.

Document days post-partum.

Adherent placenta on CS document here (tick manual removal box).

Document placental swab here.

These were all recorded as text.

DEL_P1500 D1x: Other noted in 1st 14 days postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7298	36.9	87.2	87.2
	2 No	1071	5.4	12.8	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

No disorders

DEL_P1501 D1y: Nothing noted in 1st 14 days postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No postpartum problems	73	.4	.9	.9
	2 Problems noted	8048	40.7	99.1	100.0
	Total	8121	41.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-9	248	1.3		
	Total	11666	59.0		
Total		19787	100.0		

II.11. Medications and procedures to mother post-delivery

For all the medications below the DA was given the option of stating 1. 'yes after delivery' or 2. 'yes but not sure if before or after delivery'. For the few instances where 2 was ticked a variable was derived combining 1 and 2, but the numbers recording 2 are noted.

Pain killers

General anaesthetic

DEL_P1510 D3j: General anaesthetic given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes after delivery	124	.6	1.5	1.5
	3 No	8245	41.7	98.5	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

Morphine

DEL_P1513 D3q2: Morphine given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1259	6.4	15.0	15.0
	2.00 No	7110	35.9	85.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[this includes 1 instance where the timing was uncertain]

Pethidine

DEL_P1515 D3t2: Pethidine given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	109	.6	1.3	1.3
	2.00 No	8260	41.7	98.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[this includes 1 instance where timing was uncertain]

Omnopon

DEL_P1517 D3r2: Omnopon/papaveretum given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	160	.8	1.9	1.9
	2.00 No	8209	41.5	98.1	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no instances where it was unclear where the timing was uncertain]

Lignocaine

DEL_P1519 D3n2: Lignocaine given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1356	6.9	16.2	16.2
	2.00 No	7013	35.4	83.8	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were 2 instances where the timing was uncertain]

Co-dydramol

DEL_P1521 D3d2: Co-dydramol given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	3632	18.4	43.4	43.4
	2.00 No	4737	23.9	56.6	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There was 1 instance where the timing was uncertain]

Co-proxamol

DEL_P1523 D3e2: Co-proxamol given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	574	2.9	6.9	6.9
	2.00 No	7795	39.4	93.1	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Voltarol

DEL_P1525 D3z2: Voltarol given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1086	5.5	13.0	13.0
	2.00 No	7283	36.8	87.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There was 1 case where the timing was uncertain]

Paracetamol

DEL_P1527 D3s2: Paracetamol given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	4500	22.7	53.8	53.8
	2.00 No	3869	19.6	46.2	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
	Total	19787	100.0		

[There were no cases where the timing was uncertain]

Drugs to prevent haemorrhage and speed up contractions after delivery

Ergometrine

DEL_P1531 D3f2: Ergometrine given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	318	1.6	3.8	3.8
	2.00 No	8050	40.7	96.2	100.0
	Total	8368	42.3	100.0	
Missing	-1.00	1	.0		
	System	11418	57.7		
	Total	11419	57.7		
	Total	19787	100.0		

[There were no cases where the timing was uncertain]

Syntocinon

DEL_P1533 D3w2: Syntocinon given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	2965	15.0	35.4	35.4
	2.00 No	5404	27.3	64.6	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
	Total	19787	100.0		

[There were 5 cases where the timing was uncertain]

Syntometrine

DEL_P1535 D3x2: Syntometrine given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	5755	29.1	68.8	68.8
	2.00 No	2614	13.2	31.2	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were 2 cases where the timing was uncertain]

Other specified medication

Progesterone

This included Depo-Provera.

DEL_P1541 D3u2: Progesterone given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	136	.7	1.6	1.6
	2.00 No	8233	41.6	98.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Fentazin

DEL_P1551 D3g2: Fentazin given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00 No	8369	42.3	100.0	100.0
	Missing	System	11418	57.7	
	Total	19787	100.0		

[There were no cases where the timing was uncertain]

Metoclopramide

DEL_P1553 D3o2: Metoclopramide given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	302	1.5	3.6	3.6
	2.00 No	8067	40.8	96.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There was 1 case where the timing was uncertain]

Stemetil

DEL_P1555 D3v2: Stemetil given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	757	3.8	9.0	9.0
	2.00 No	7612	38.5	91.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Temazepam

DEL_P1557 D3y2: Temazepam given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	420	2.1	5.0	5.0
	2.00 No	7949	40.2	95.0	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Fybogel

DEL_P1561 D3i2: Fybogel given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	360	1.8	4.3	4.3
	2.00 No	8009	40.5	95.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Lactulose

DEL_P1563 D3m2: Lactulose given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1565	7.9	18.7	18.7
	2.00 No	6804	34.4	81.3	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Anusol

DEL_P1565 D3c2: Anusol given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	492	2.5	5.9	5.9
	2.00 No	7877	39.8	94.1	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Kamillosan

DEL_P1571 D3I2: Kamillosan given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	713	3.6	8.5	8.5
	2.00 No	7656	38.7	91.5	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Witch hazel

DEL_P1573 D3za2: Witch hazel given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	385	1.9	4.6	4.6
	2.00 No	7984	40.3	95.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Antibiotics

The types of antibiotic were recorded as text but have not yet been coded.

DEL_P1581 D3a2: Antibiotics given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	2121	10.7	25.3	25.3
	2.00 No	6248	31.6	74.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were 11 cases where the timing was uncertain]

Nutrient supplements

If a combined supplement containing both folate and iron was given, both were ticked.

Folic acid

DEL_P1591 D3h2: Folic acid given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	217	1.1	2.6	2.6
	2.00 No	8152	41.2	97.4	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Iron

DEL_P1593 D3k2: Iron given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	1774	9.0	21.2	21.2
	2.00 No	6595	33.3	78.8	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Prophylaxis

Anti-D

DEL_P1601 D3b2: Anti D given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	808	4.1	9.7	9.7
	2.00 No	7561	38.2	90.3	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

[There were no cases where the timing was uncertain]

Mini-pill

The DAs were instructed to tick the progesterone box as well if the mini-pill was given.

DEL_P1603 D3p2: Mini-pill given during third stage and or after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	162	.8	1.9	1.9
	2.00 No	8207	41.5	98.1	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

Other medication

All other drugs given are recorded as text, but not yet coded.

DEL_P1610 D3zb: Other drug given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes after delivery	4034	20.4	48.2	48.2
	2 Yes, not sure if before /after delivery	10	.1	.1	48.3
	3 No	4325	21.9	51.7	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
Total		19787	100.0		

DEL_P1611 D3zb2: Other drug given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	4044	20.4	48.3	48.3
	2.00 No	4325	21.9	51.7	100.0
	Total	8369	42.3	100.0	
Missing	System	11418	57.7		
Total		19787	100.0		

No medication postpartum

DEL_P1612 D3zc: Nothing noted as given after delivery

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None noted	31	.2	.4	.4
	2 Drugs given	8337	42.1	99.6	100.0
	Total	8368	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	Total	11419	57.7		
Total		19787	100.0		

Other procedures

Sterilisation

DEL_P1615 D1u: Sterilisation postpartum

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	63	.3	.8	.8
	2 No	8306	42.0	99.2	100.0
	Total	8369	42.3	100.0	
Missing	-10 Not completed	11418	57.7		
	Total	19787	100.0		

II.12. Maternal discharge and readmission post-delivery

Discharge from maternity hospital

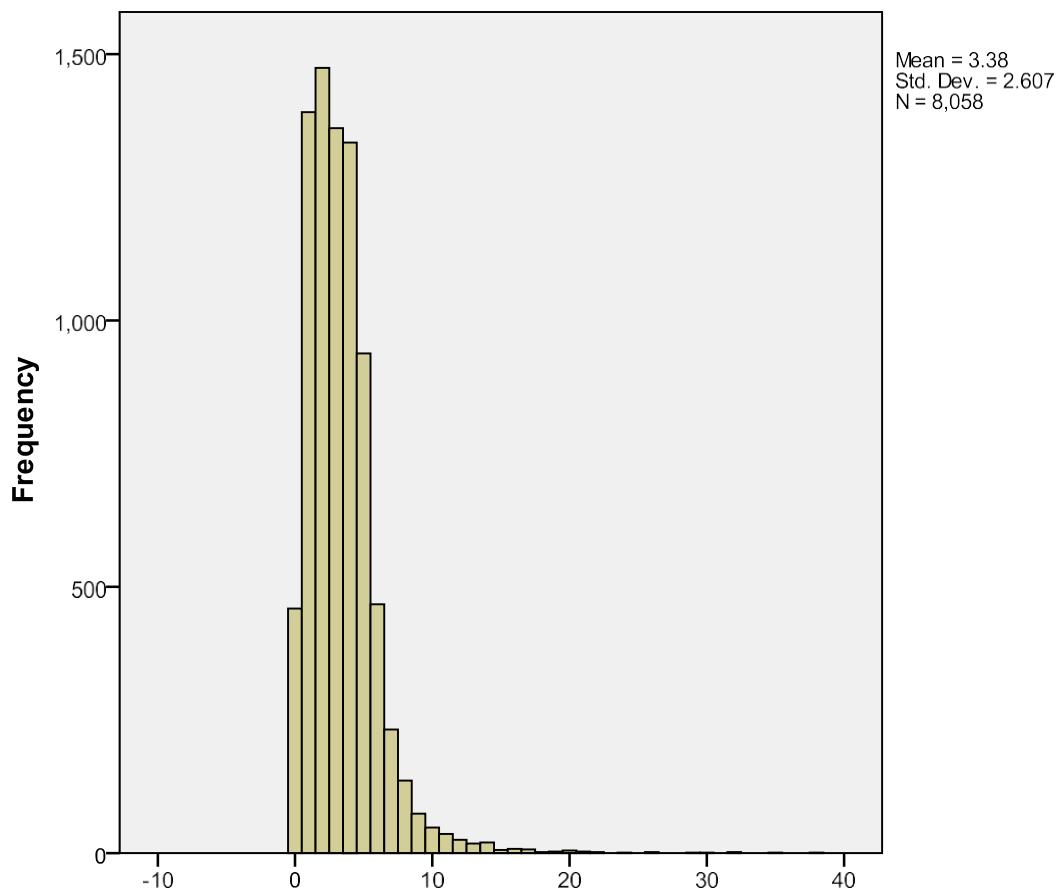
(a) Days after birth

The length of time was calculated from day of delivery and day of discharge. No regard was paid to the hour of delivery and hour of discharge. Thus a woman who was delivered at 23.00 one day and went home at 2am the next would be counted as one day even though only 3 hours.

DEL_P1620 DV: Time mother went home after

the birth (days)

N	Valid	8058
	Missing	11729
Mean		3.38
Median		3.00
Std. Deviation		2.607
Range		38
Minimum		0
Maximum		38



(b) Where discharged to

DEL_P1621 D5: Where mother went when left hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Her own home	7715	39.0	93.9	93.9
	2 Someone else's home	128	.6	1.6	95.5
	3 Other hospital with baby	145	.7	1.8	97.2
	4 Other hospital without baby	5	.0	.1	97.3
	5 Elsewhere	222	1.1	2.7	
	Total	8215	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	154	.8		
	Total	11572	58.5		
Total		19787	100.0		

(c) Took own discharge

DEL_P1622 D6: Mother took her own discharge

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	8	.0	.1	.1
	2 No	7864	39.7	99.9	100.0
	Total	7872	39.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	497	2.5		
	Total	11915	60.2		
Total		19787	100.0		

Readmission of mother

This is for admissions up to 6 weeks. The DA was instructed to note reason for admission and brief description of treatment including drugs. If admission is within 14 days, details were documented in the appropriate places in the rest of the questionnaire.

DEL_P1623 D7: Mother was readmitted (prior to 6 week postnatal check)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	222	1.1	2.7	2.7
	2 No	7965	40.3	97.3	100.0
	Total	8187	41.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not Answered	182	.9		
	Total	11600	58.6		
Total		19787	100.0		

III. References, abbreviations and index

References

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2. Golding J, Shenton T. Low birthweight and preterm delivery in south east Asia. The WHO International Collaborative Study of Hypertensive Disorders of Pregnancy. Soc Sci Med 1990; 30: 497-502.
3. Golding J. A randomised trial of low dose aspirin for primiparae in pregnancy. BJOG 1998; 105: 293-299.
4. Little RE, Gladen BC, Birmingham K, Shkyryak-Nyzhnyk ZA, Chyslovska N, 'Preterm birth rates in Avon County, England, and urban Ukraine.', Eur J Obstet Gynecol Reprod Biol 2004; 113 (2): 154-9

Abbreviations

A & E	Accident and Emergency	DA	Data abstractor
AFP	Alpha-fetoprotein	DVT	Deep vein thrombosis
ANC	Antenatal care	ECV	External cephalic version
APH	Antepartum haemorrhage	FSE	Fetal scalp electrode
ARM	Artificial rupture of membranes	Hb	Haemoglobin
BP	Blood pressure	IVF	In vitro fertilisation
CDS	Central delivery suite	LMP	Last menstrual period (date of)
CiF	Children in Focus	PPH	Postpartum haemorrhage
CS	Caesarean section	TENS	Transcutaneous electrical nerve stimulation
CTG	Cardiotocograph	VE	Vaginal examination
CVS	Chorionic villus sampling		

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Sodium citrate	P1253		
Sonicaid	P1324		
Spinal anaesthetic	P1226		
Sterilisation	P1615		
Stemetil	P1555		
Sugars – blood	P1072-3		
Syntocinon	P1166, P1183, P1533		
Syntometrine	P1535		
Syphilis	P1052		
Tachycardia	P1331-8		
Teenage sample	P2		
Temazepam	P1243, P1557		
TENS	P1234		

Appendix A: The data abstraction form

R:\sec\com\sec\Data abstracted from obstetric clinical records.docx

Appendix A: The data abstraction form

DEL_B File

Questionnaire No:

--	--	--	--	--	--	--	--	--

DELIVERY QUESTIONNAIRE

To be completed from medical records

1. Is there any conflicting information in this questionnaire?

<input type="checkbox"/> 1	Yes	<input type="checkbox"/> 2	No
----------------------------	-----	----------------------------	----

If yes, please describe:

2. Is this a multiple birth?

<input type="checkbox"/> 1	Yes	<input type="checkbox"/> 2	No
----------------------------	-----	----------------------------	----

If yes, twin 2 triplet 3 quadruplet 4

3. Was the baby admitted to SCBU?

<input type="checkbox"/> 1	Yes	<input type="checkbox"/> 2	No
----------------------------	-----	----------------------------	----

If yes, and a multiple birth, please state which baby or babies were admitted to SCBU, eg., twin 1/triplet 2 etc.

Linda

Can we get rid
of the x's and ✓'s
in this document?

Was any information:

a) illegible

<input type="checkbox"/> 1	Yes	<input type="checkbox"/> 2	No
----------------------------	-----	----------------------------	----

If yes, please describe

b) missing

<input type="checkbox"/> 1	Yes	<input type="checkbox"/> 2	No
----------------------------	-----	----------------------------	----

If yes, please describe

DEL_B File

SECTION A: IDENTIFICATION

✓ A1. Mother's date of birth: 19

✓ A2. Hospital no.

✓ A3. Place where mother was originally intended to deliver:

1 BMH/St. Michaels 2 Southmead 3 Weston

4 Home 9 can't tell

5 Other (specify)

.....
✓ A4. Date of delivery: 19

✓ A5. Place of delivery:

1 BMH/St. Michaels 2 Southmead 3 Weston

4 Home

5 Other (specify)

.....
✓ A6. Type of A/N Care

1 Shared care 2 Other – please specify

e.g. consultant care/midwife only/planned home delivery

DEL_B File

B1. ANTENATAL MEASUREMENTS

Please give all measurements taken (whether during antenatal care or as an inpatient prior to the commencement of labour).

Code for care status:

1 = A.N.C., 2 = in-patient, 3 = home visit, 4 = hospital/consultant clinic visit (i.e. hospital clinic sheet completed).

Code for protein in urine:

0 = nil, 1 = trace, 2 = +, 3 = ++, 4 = +++ or more 5 = blood.

Code for oedema:

0 = none, 1 = ankles only, 2 = hands only, 3 = face only, 4 = generalised,

5 = not otherwise specified, 6 = more than one site.

Code for glycosuria

0 = none, 1 = trace to +, 2 = ++, 3 = +++ or more, 4 = 1/4%, 5 = 1/2%,

6 = 1% or more.

DEL_B File

SECTION B: SUMMARY OF THE PREGNANCY

B2.	a)	Date of first day of her last menstrual period:	<input type="text"/> <input type="text"/> <input type="text"/> 199 <input type="text"/>	✓	
	b)	Was mother certain of this?	<input type="text"/> 1 yes <input type="text"/> 2 no <input type="text"/> 3 unsure <input type="text"/> 9 can't tell from notes	✗	
	c)	What was the final clinical estimate of expected date of delivery?	<input type="text"/> <input type="text"/> 199 <input type="text"/>	✓	
B3.	Please give mother's blood group:				✗
<input type="radio"/>	a)	ABO:	A <input type="text"/> 1 B <input type="text"/> 2 O <input type="text"/> 3 AB <input type="text"/> 4 NS <input type="text"/> 9	✗	
	b)	Rhesus:	+ve <input type="text"/> 1 -ve <input type="text"/> 2 NS <input type="text"/> 9	✗	
	c)	Rubella immune:	<input type="text"/> 1 Yes <input type="text"/> 2 No <input type="text"/> 8 NS <input type="text"/> 9 NK	✗	

Type of scan	Reason for scan	Results
A. "Clinic scan"	1. Abnormalities in mum e.g. fibroids, ovarian cysts	1. normal
B. Dating scan	2. Amniocentesis	2. abnormal and write down what the abnormalities are
C. Departmental	3. Biophysical profile	
D. Doppler	4. Bleeding	
E. Follow-up scan	5. Choroid plexus seen on previous scan	
F. Mini scan	6. CVS	
G. Private scan	7. Dates	
H. Real time scan	8. Fetal anomaly/anatomy	
I. Routine scan	9. Fetal growth	
J. 'Survey' scan	10. Fetal movements	
K. Trans-vaginal	11. Multiple pregnancy	
Z. Not stated	12. Pelvimetry	
	13. Placental location	
	14. Presentation of baby	
	20. Not stated	
	21. Multiple reasons	
	22. Liquor volume	
	23. Pre-eclampsia symptoms queried	
	24. Fetal well-being	
	25. Viability	
	26. As part of fertility regime	
	27. Suspected fetal abnormality	

DEL_B File
ULTRASOUND SCANS

Use codes on preceding page where appropriate.

	DATE		TYPE/REASON	RESULTS	
1.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
2.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
3.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
4.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
5.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
6.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
7.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
8.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
9.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
10.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
11.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
12.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
13.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
14.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
15.	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 199 <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>

DEL_B File

B5. Was hypertension/pre-eclampsia diagnosed at any time during the pregnancy?

1

Yes

2

No

If yes, a) what was the exact diagnosis? (words used)

.....

✓

b)

what was the date of diagnosis?

199

✓

c)

what treatments were given?

.....

✓

B6. Were any of the following noted during pregnancy before the onset of labour?

Yes

a) Abnormal AFP

1

List all abnormal APF results with dates taken:

Date

✓

b) Amniocentesis*

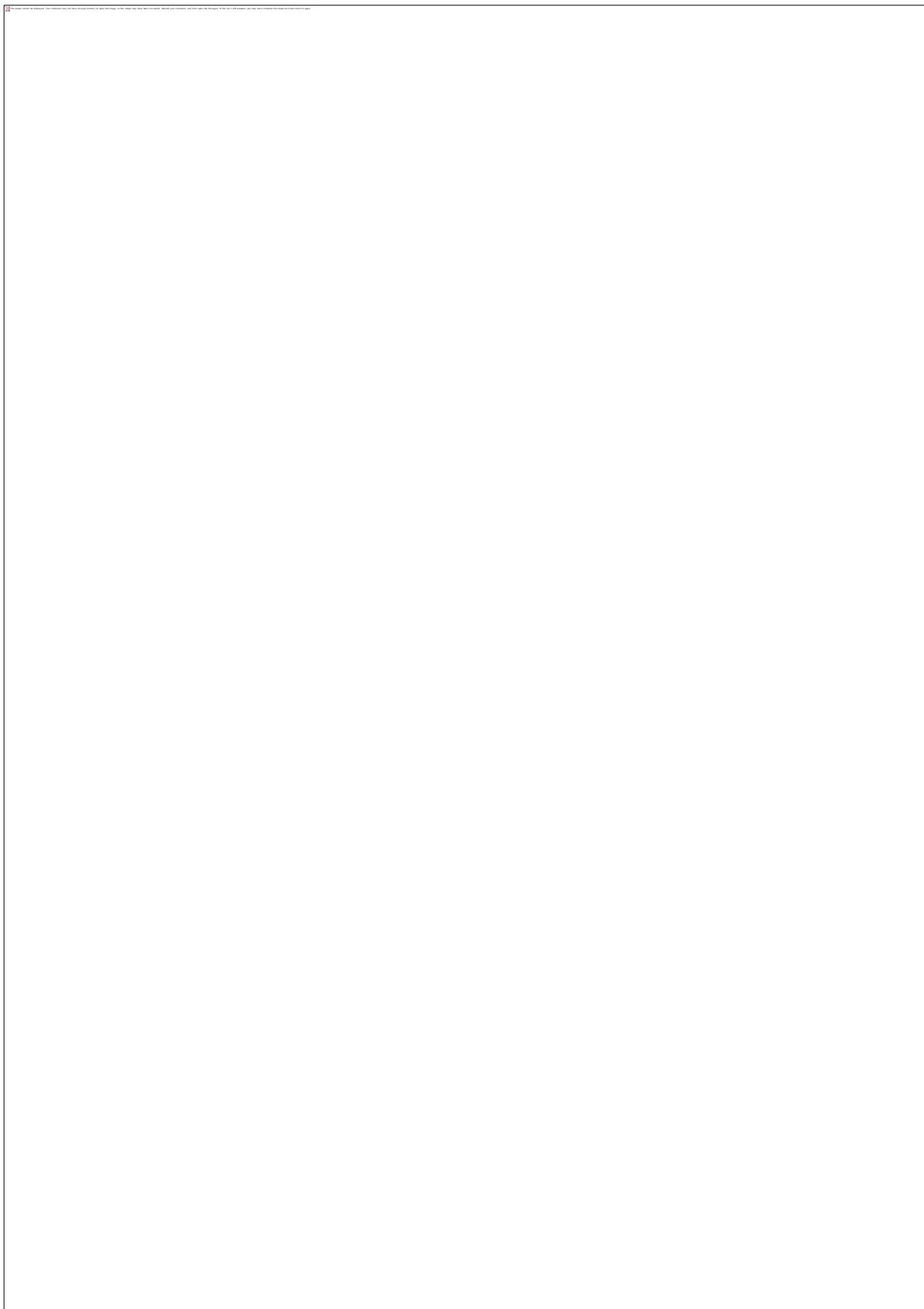
1

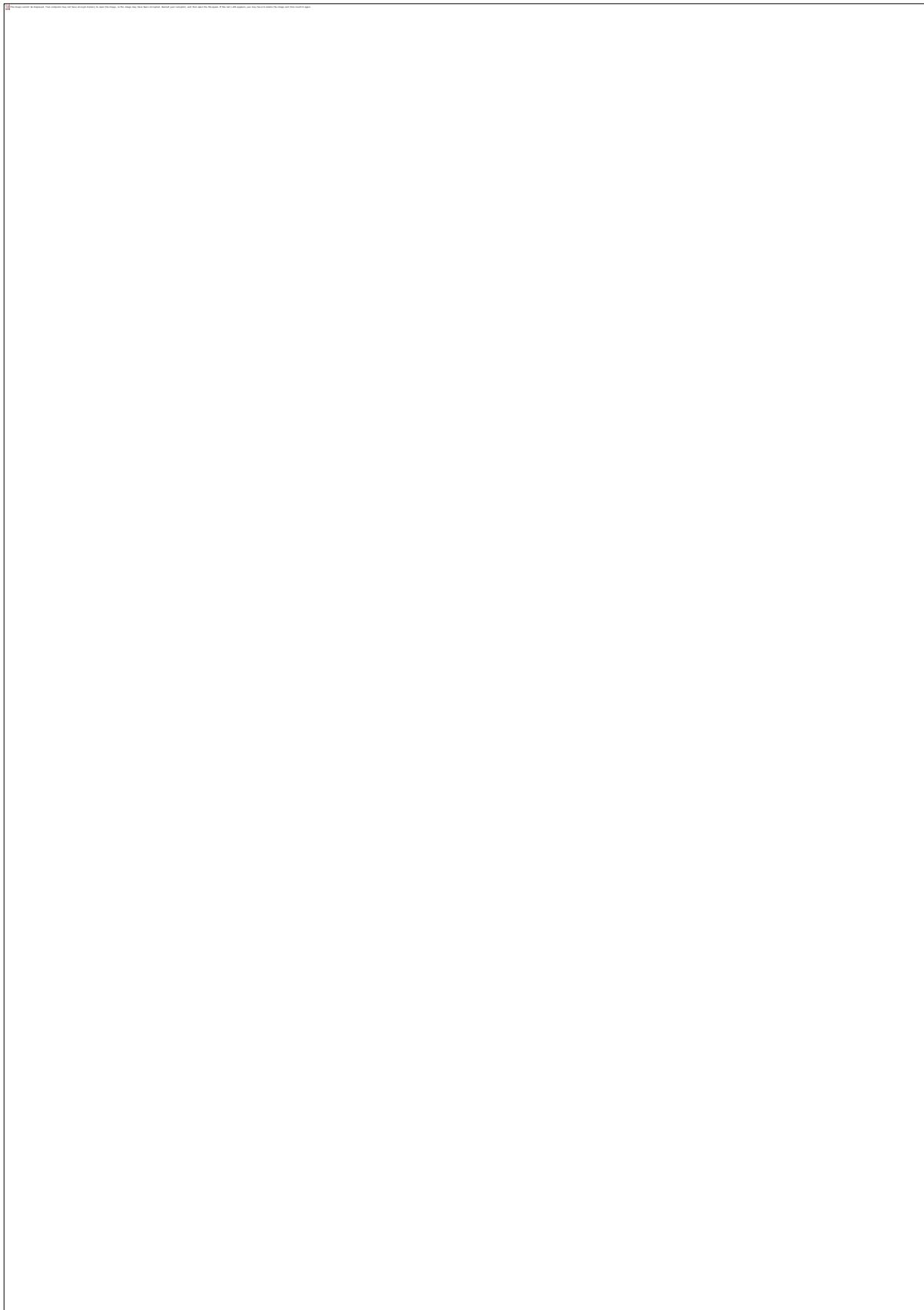
✓

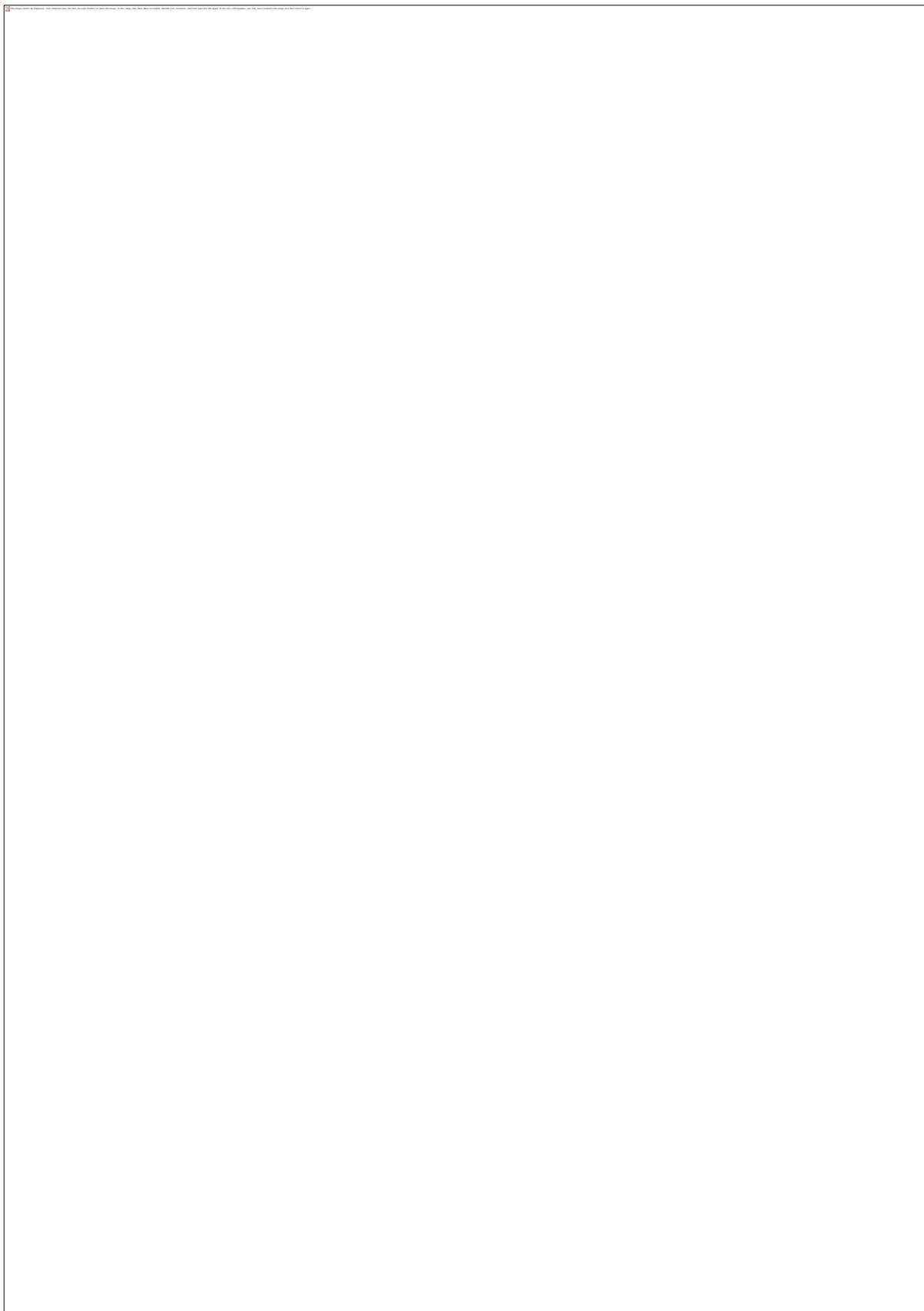
*If yes, give reason

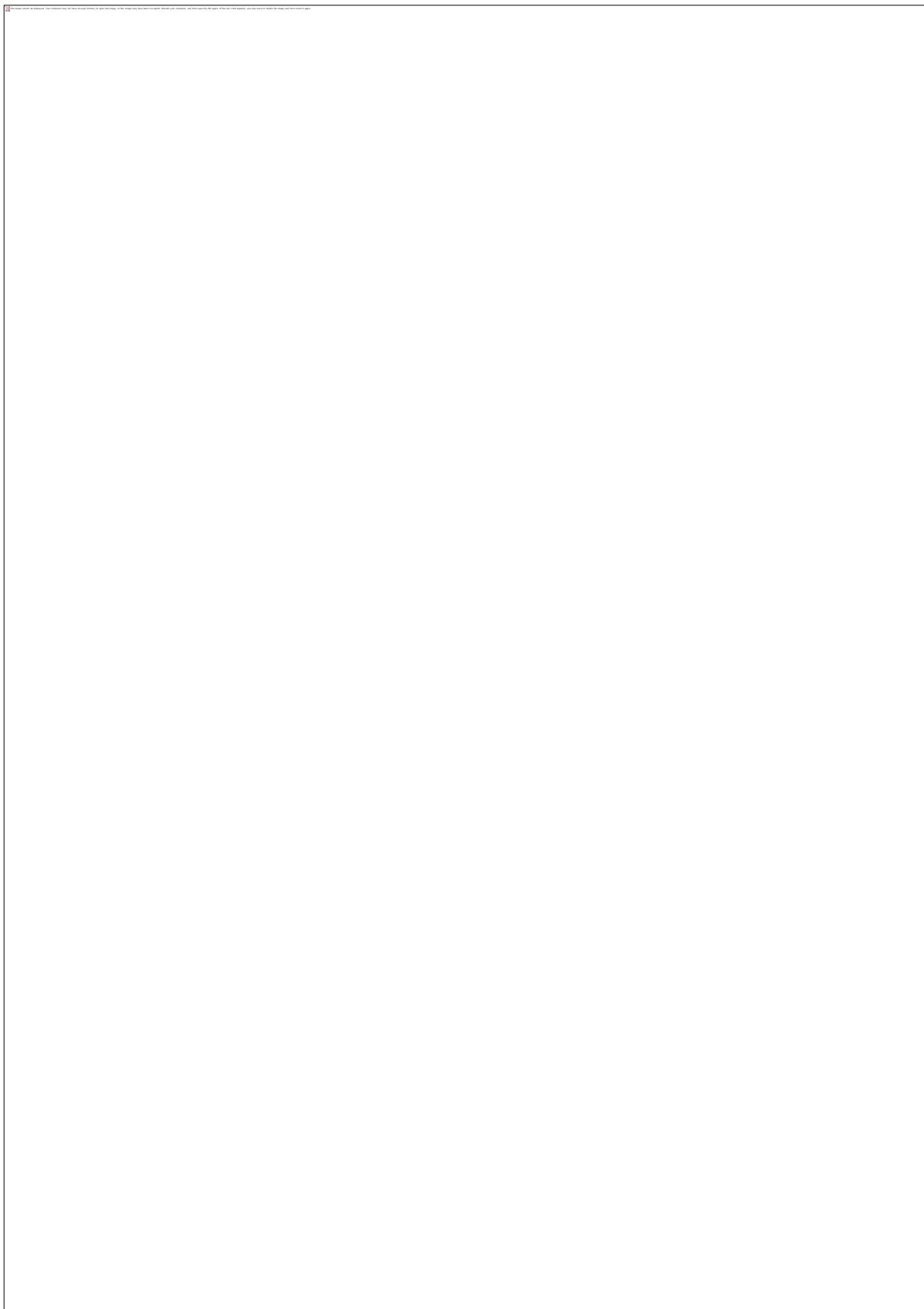
.....

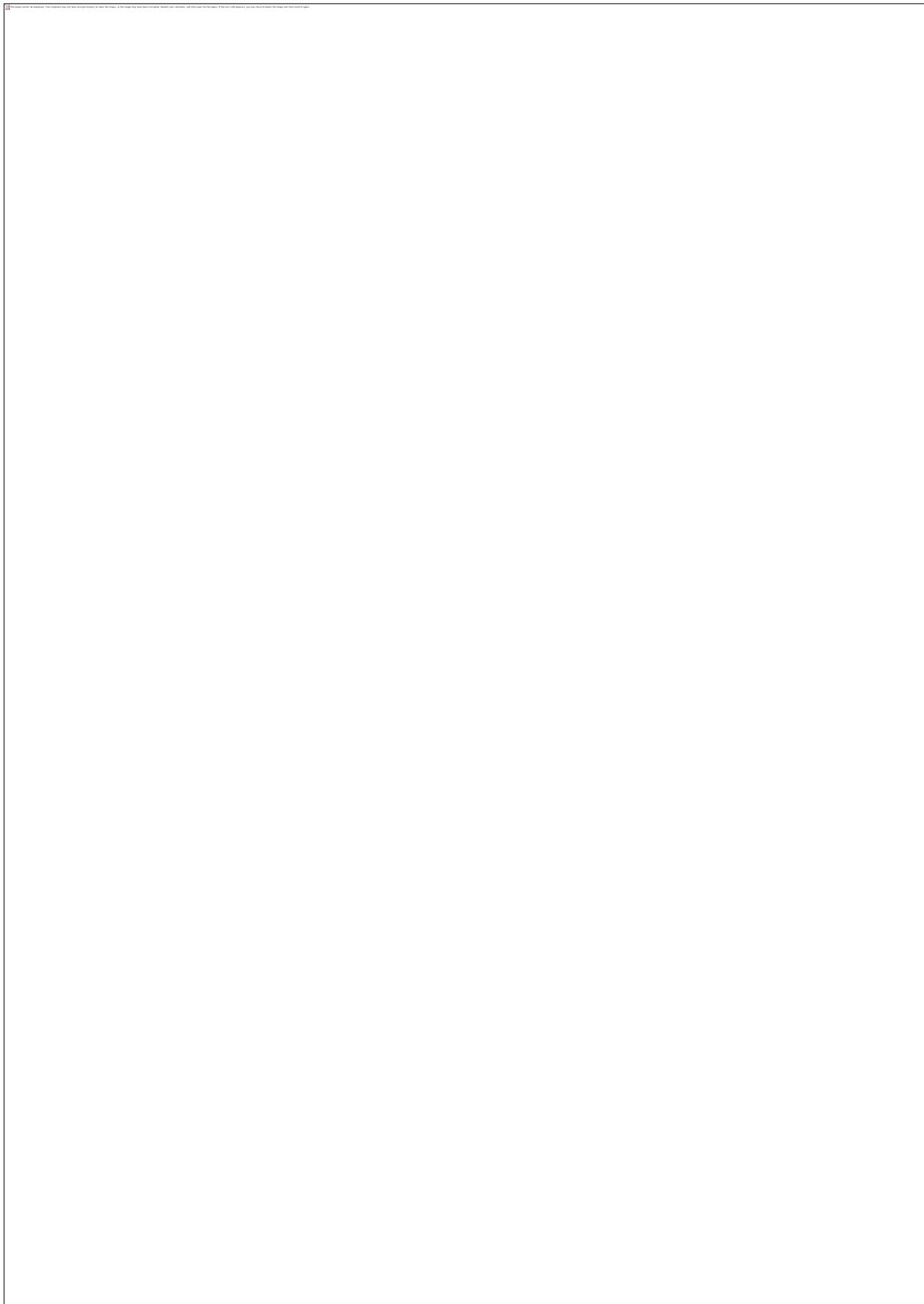
.....

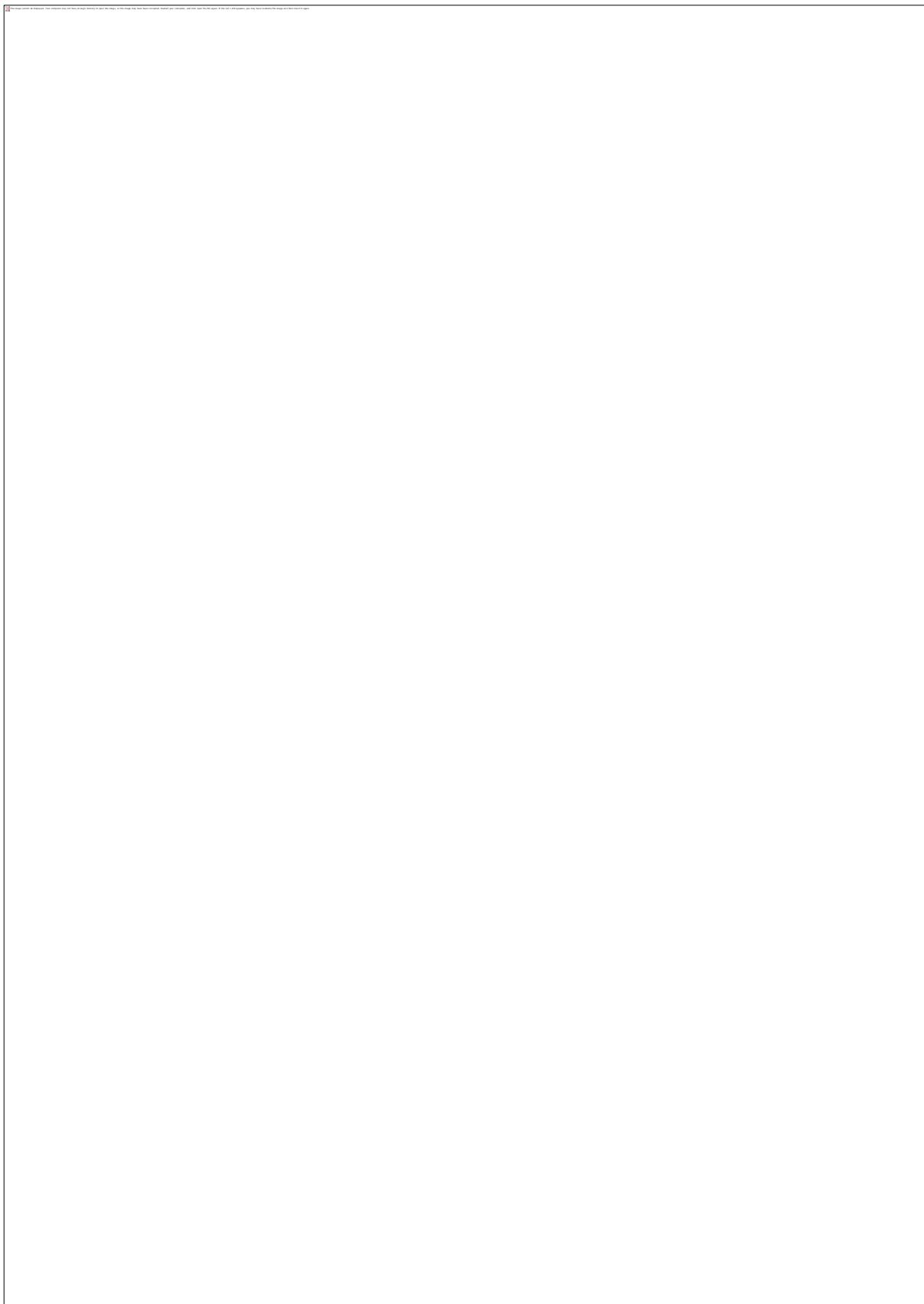


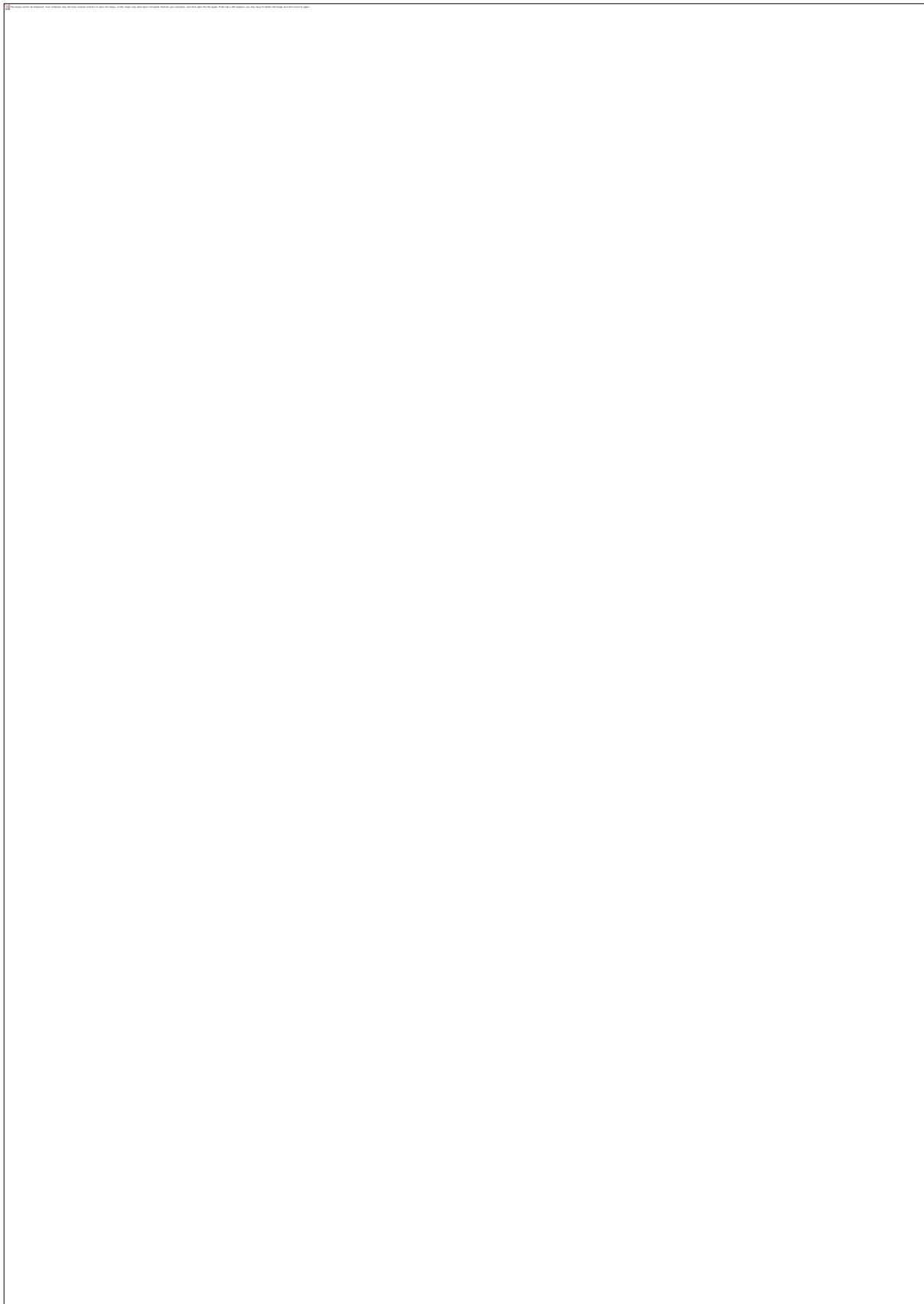


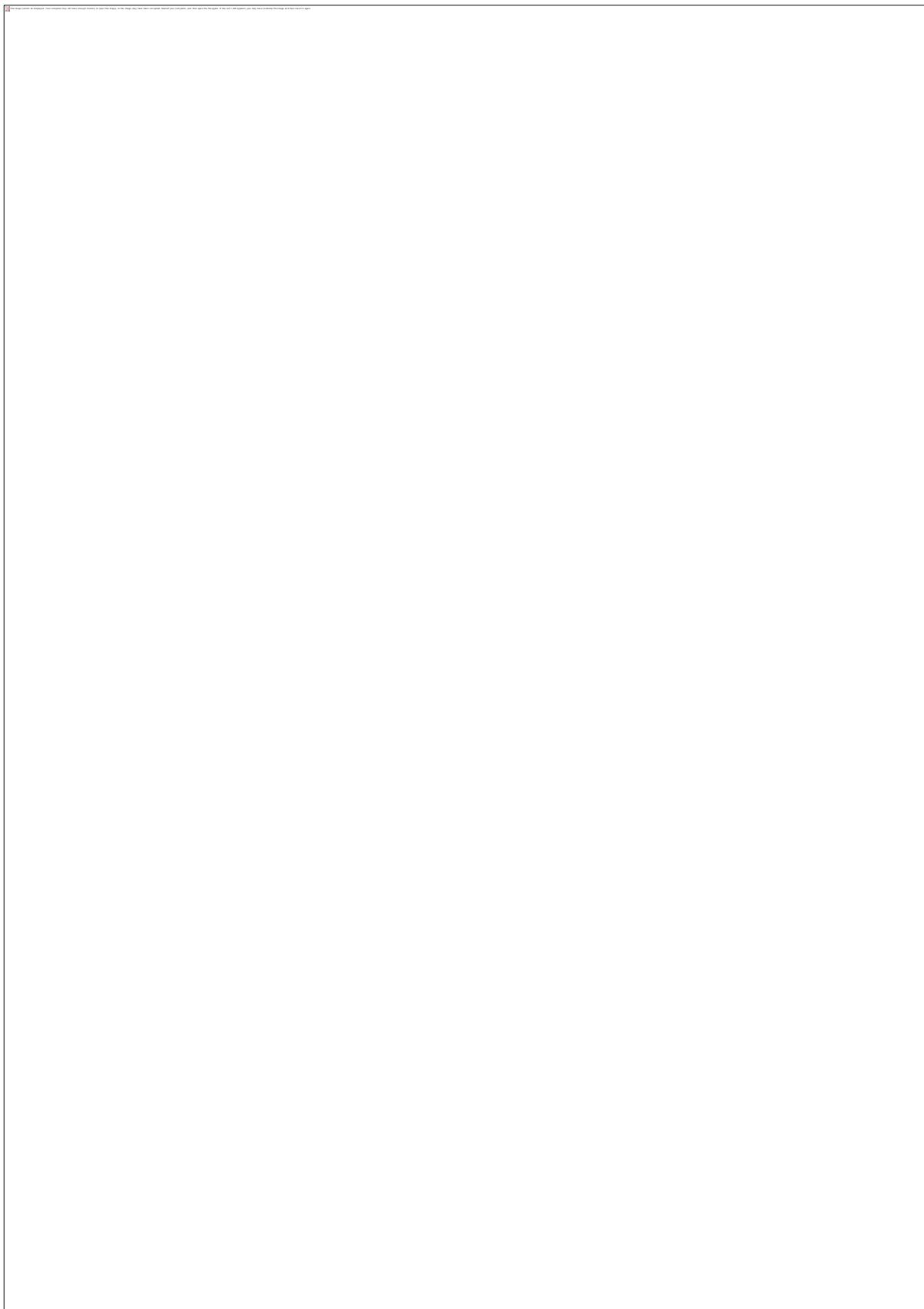


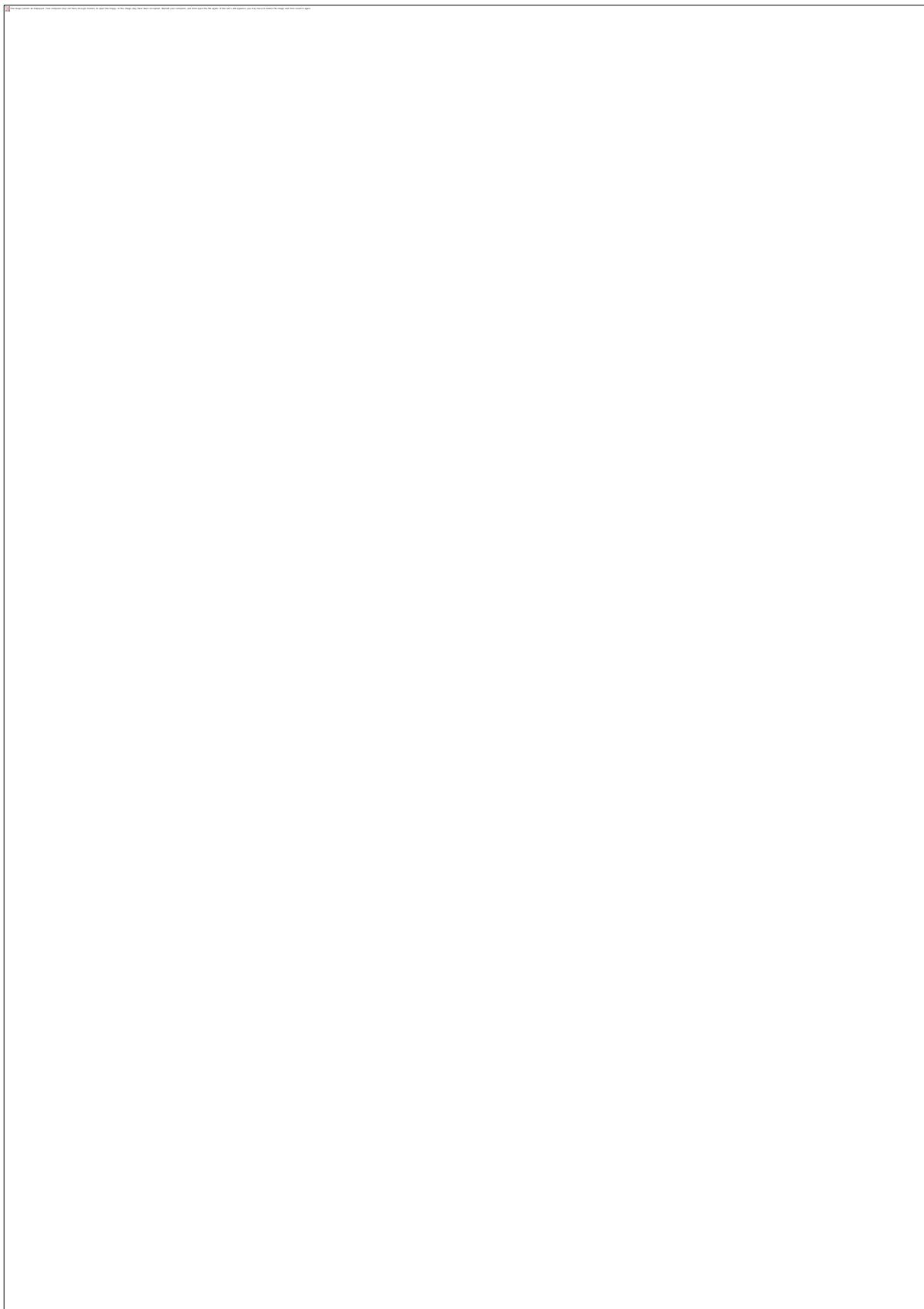


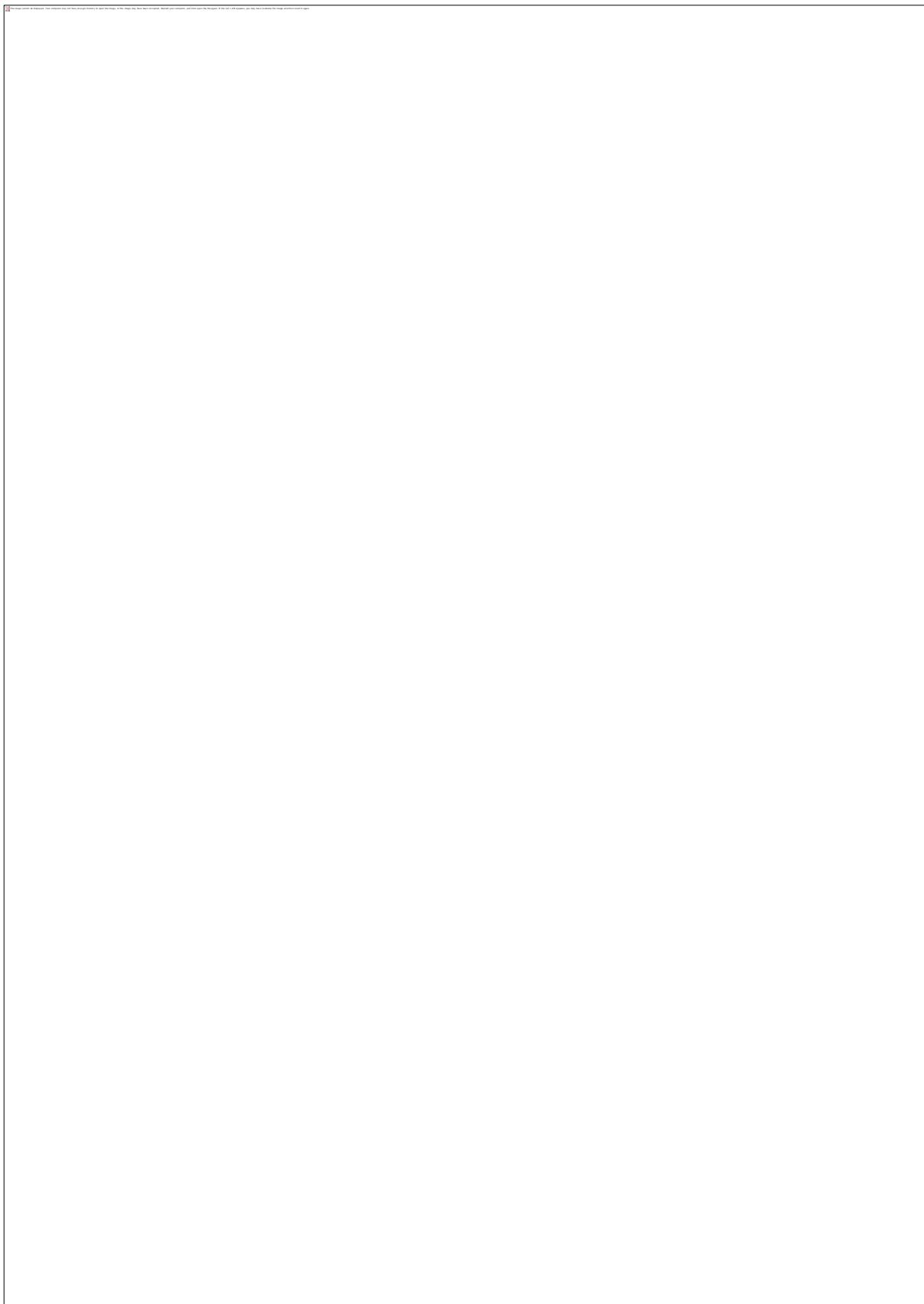


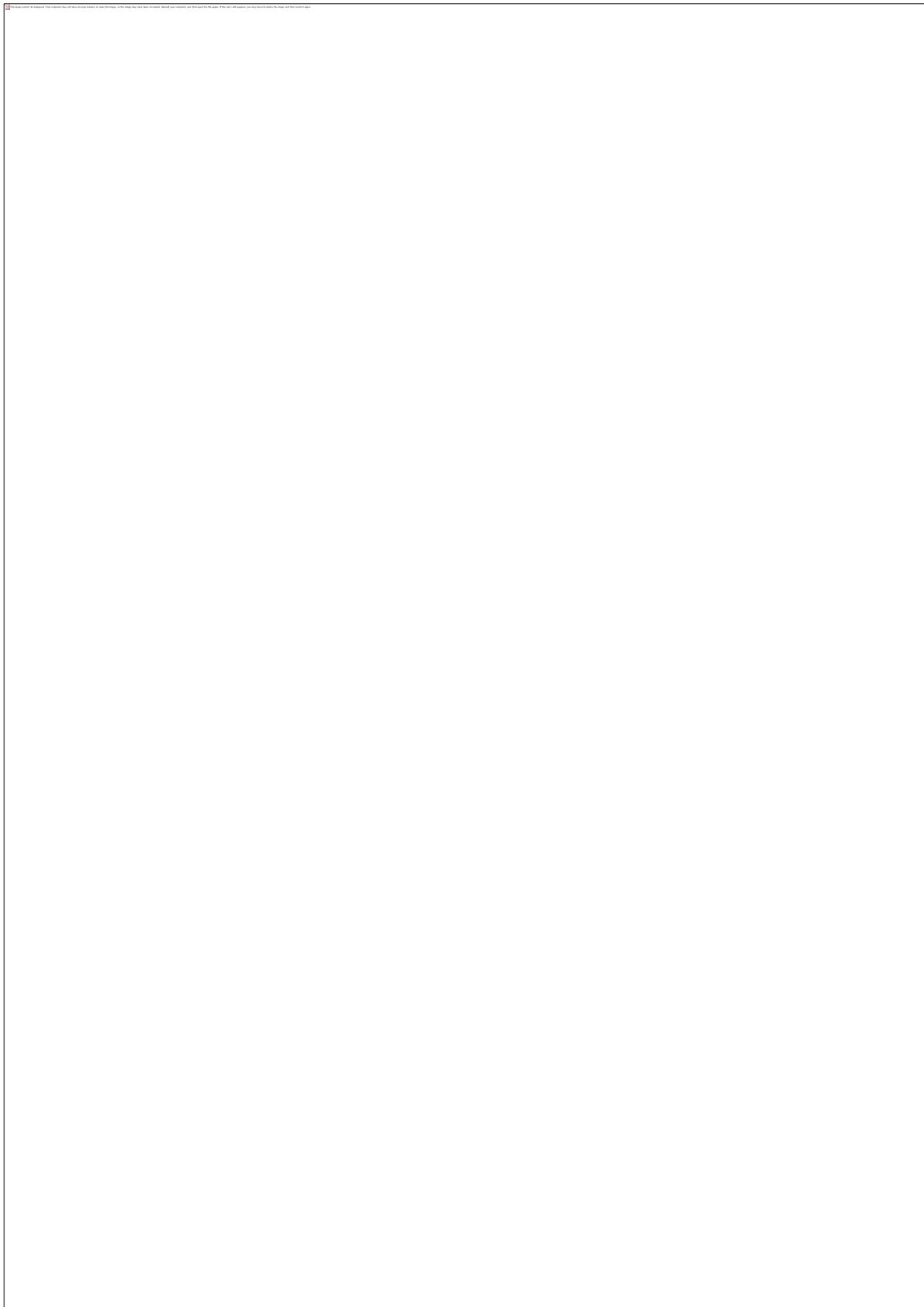


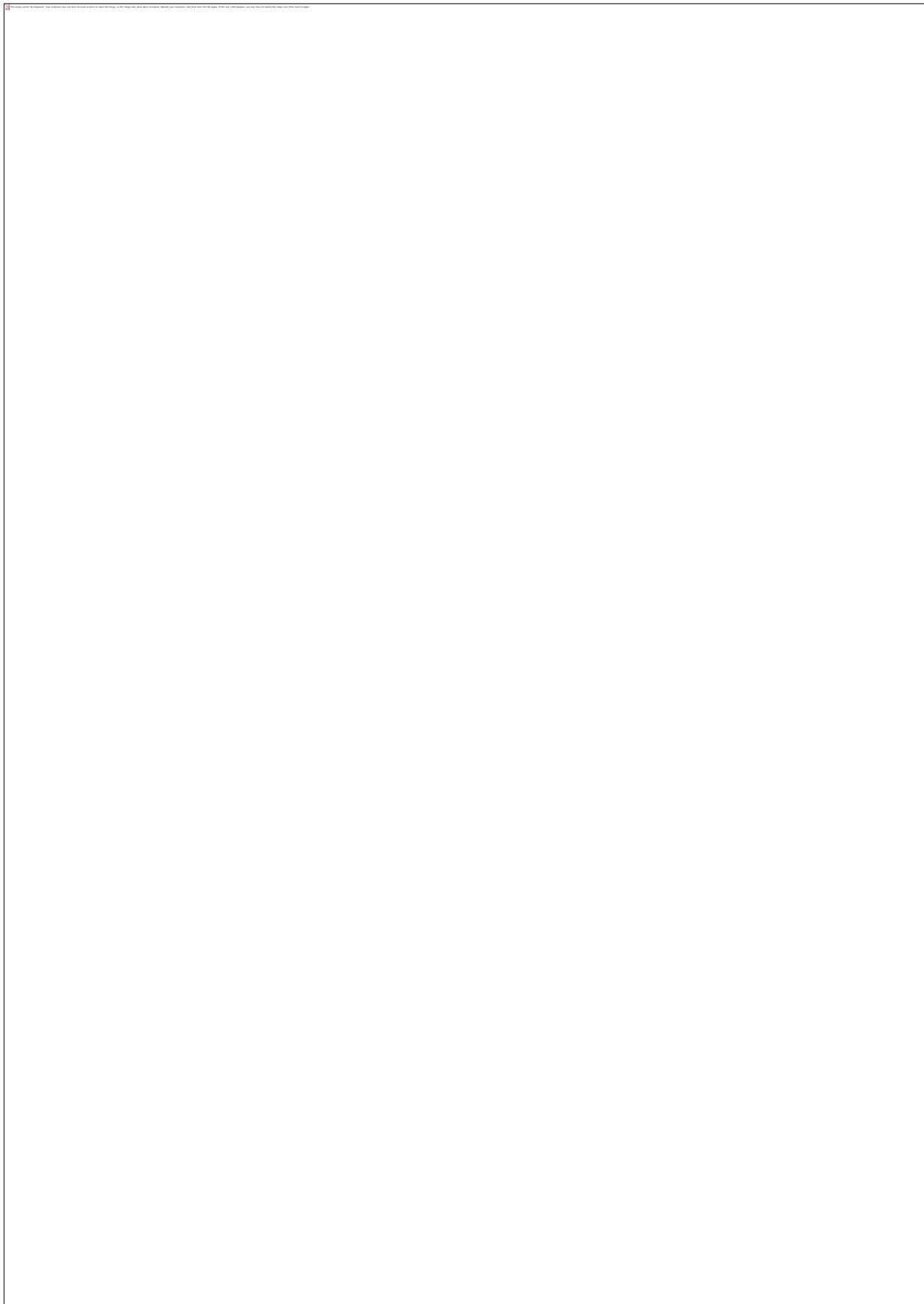


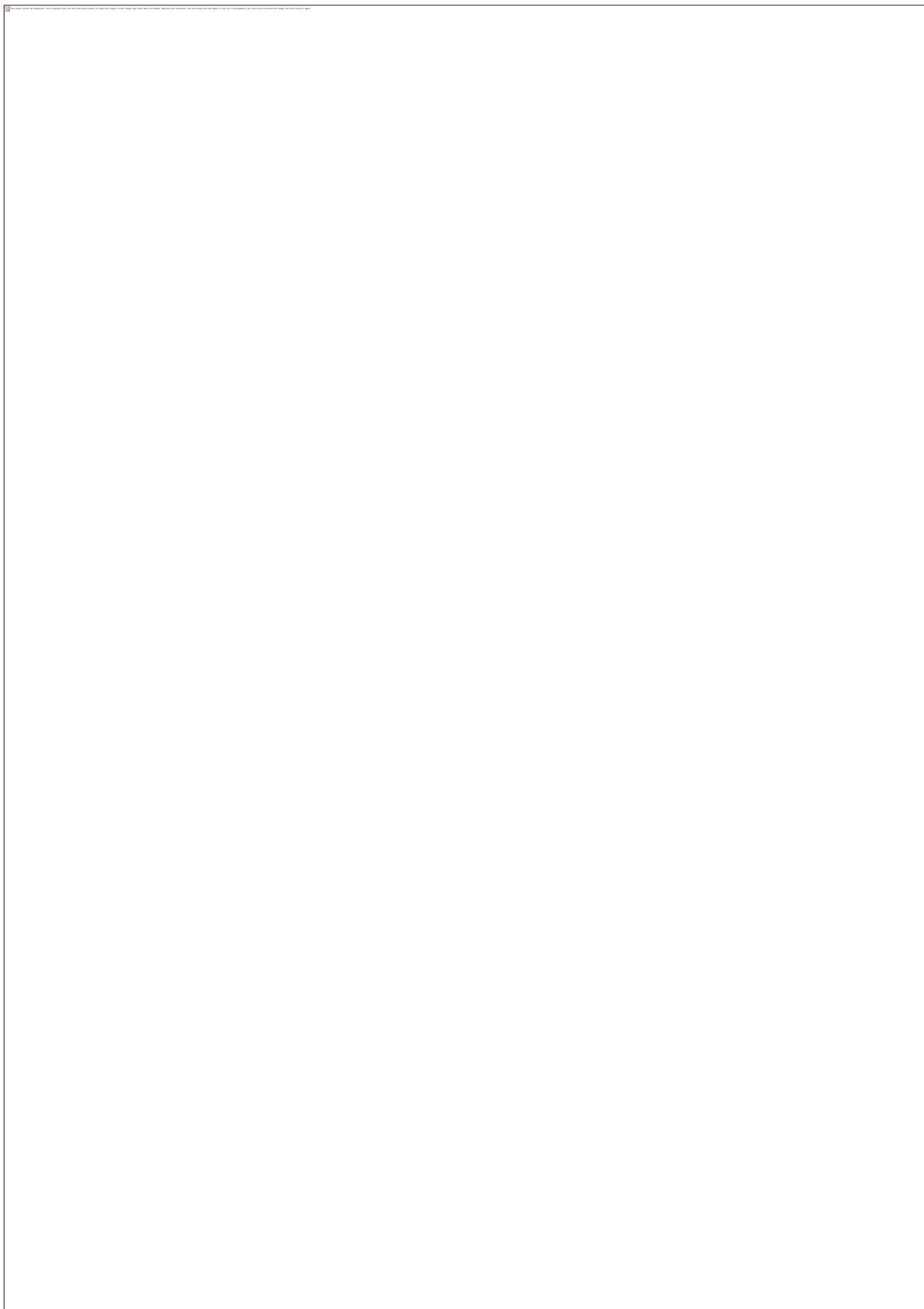


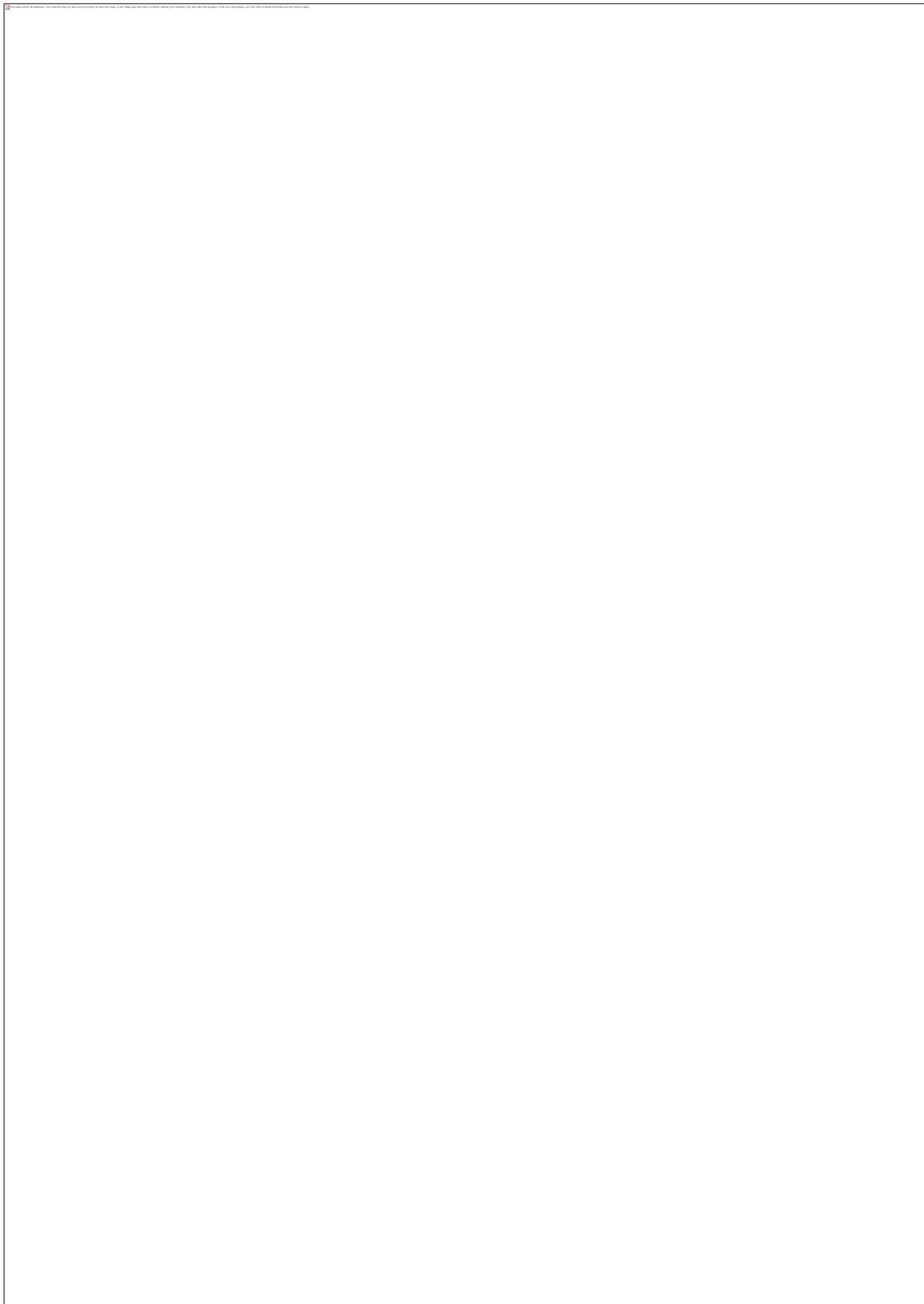


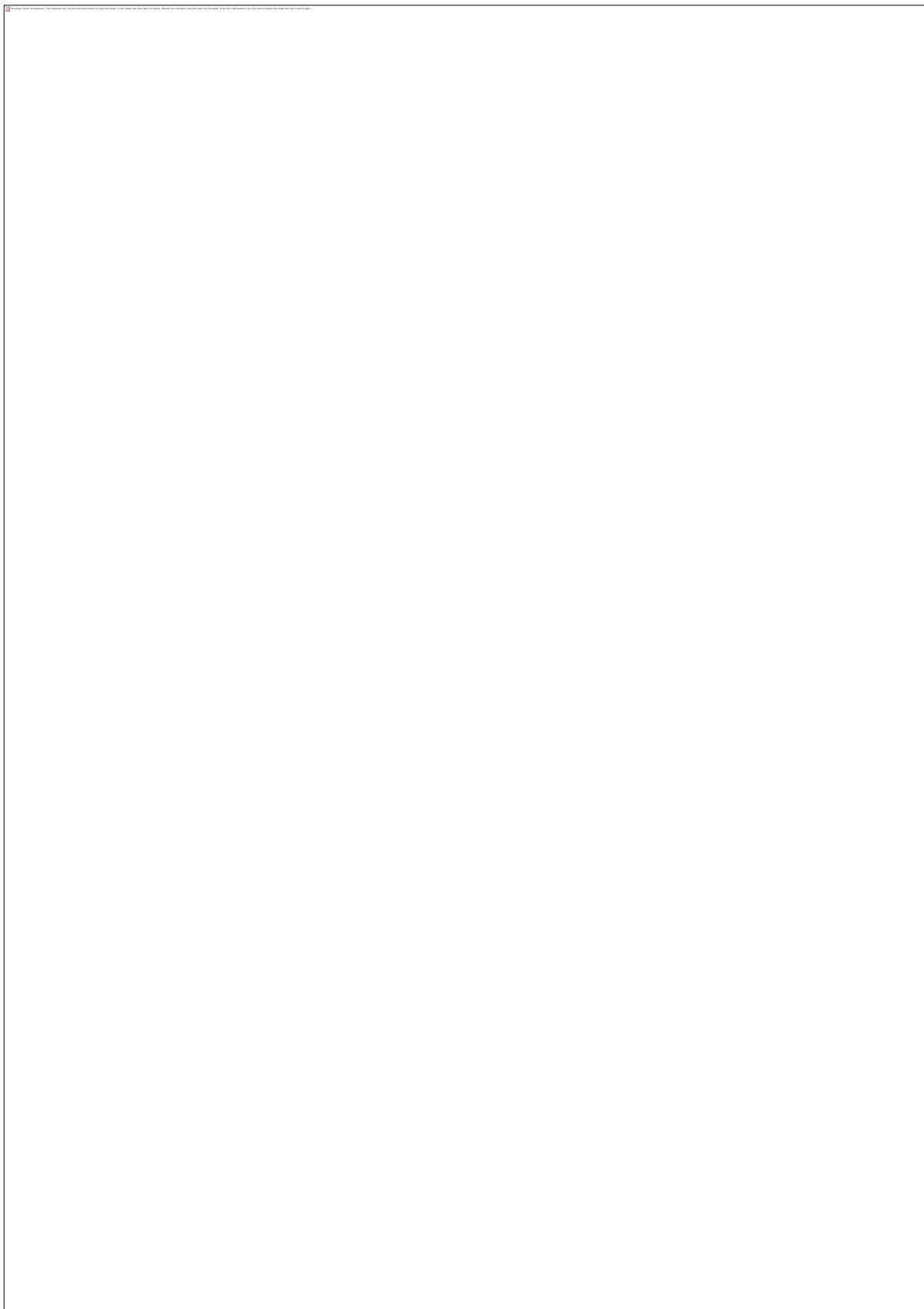


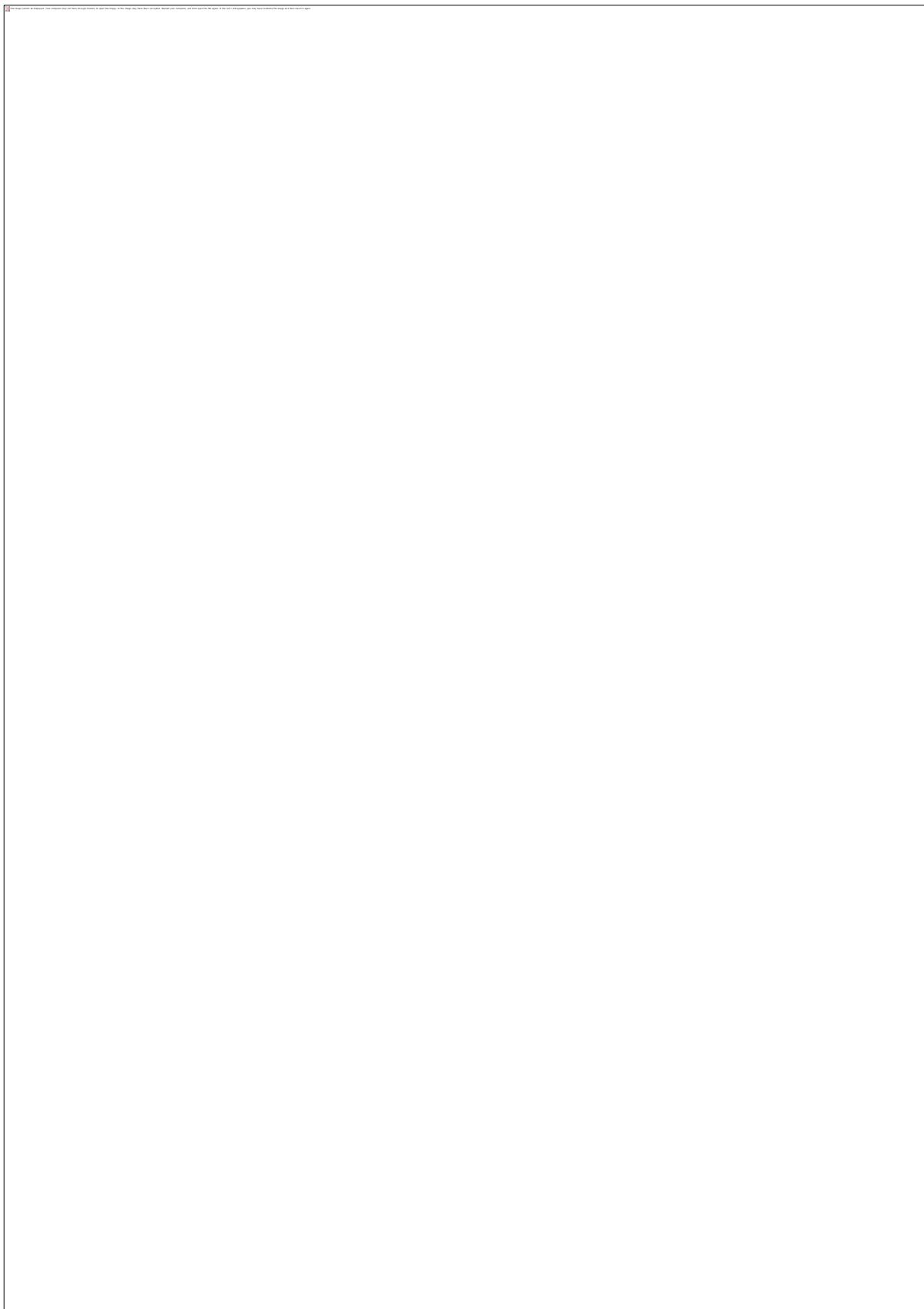


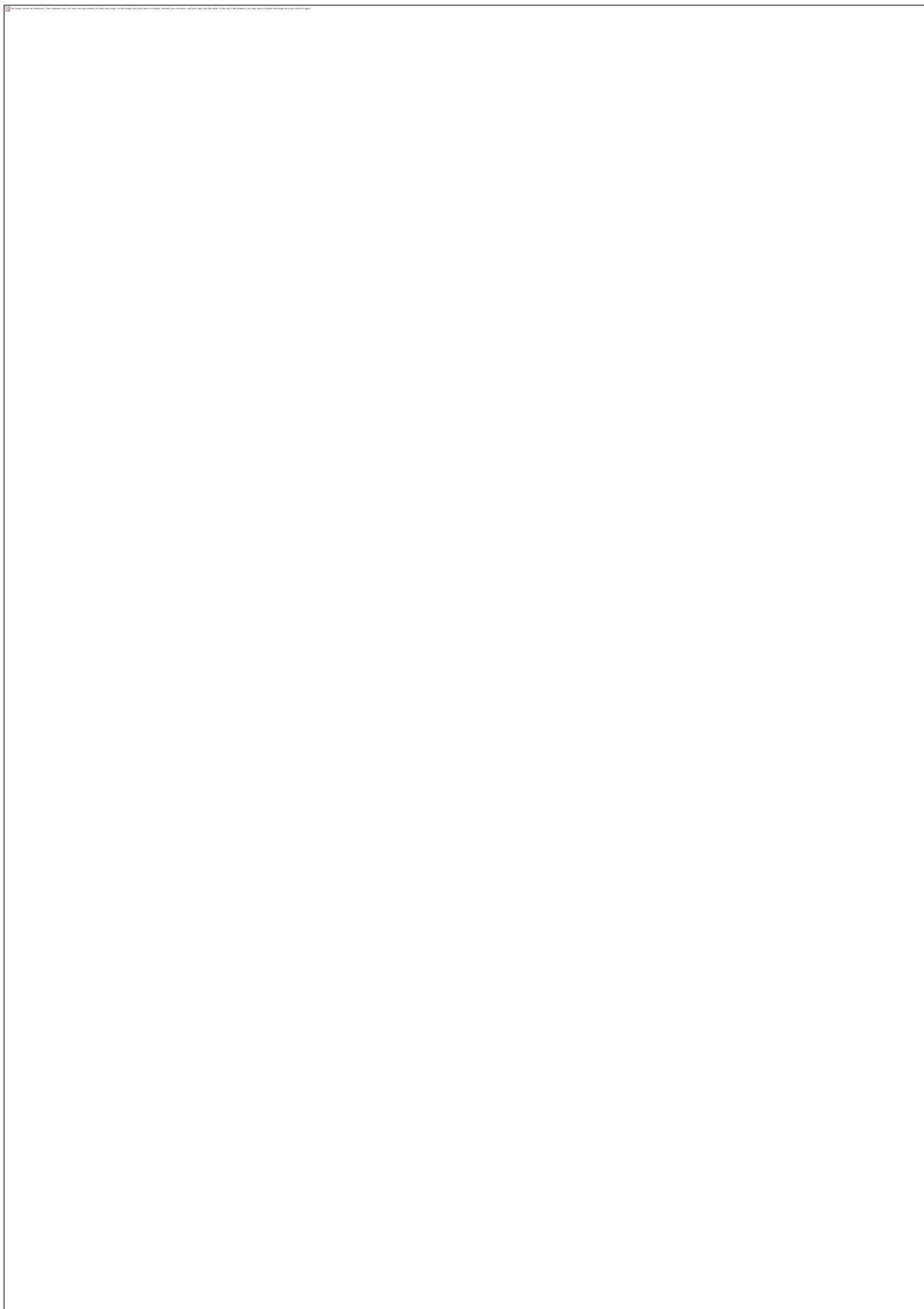


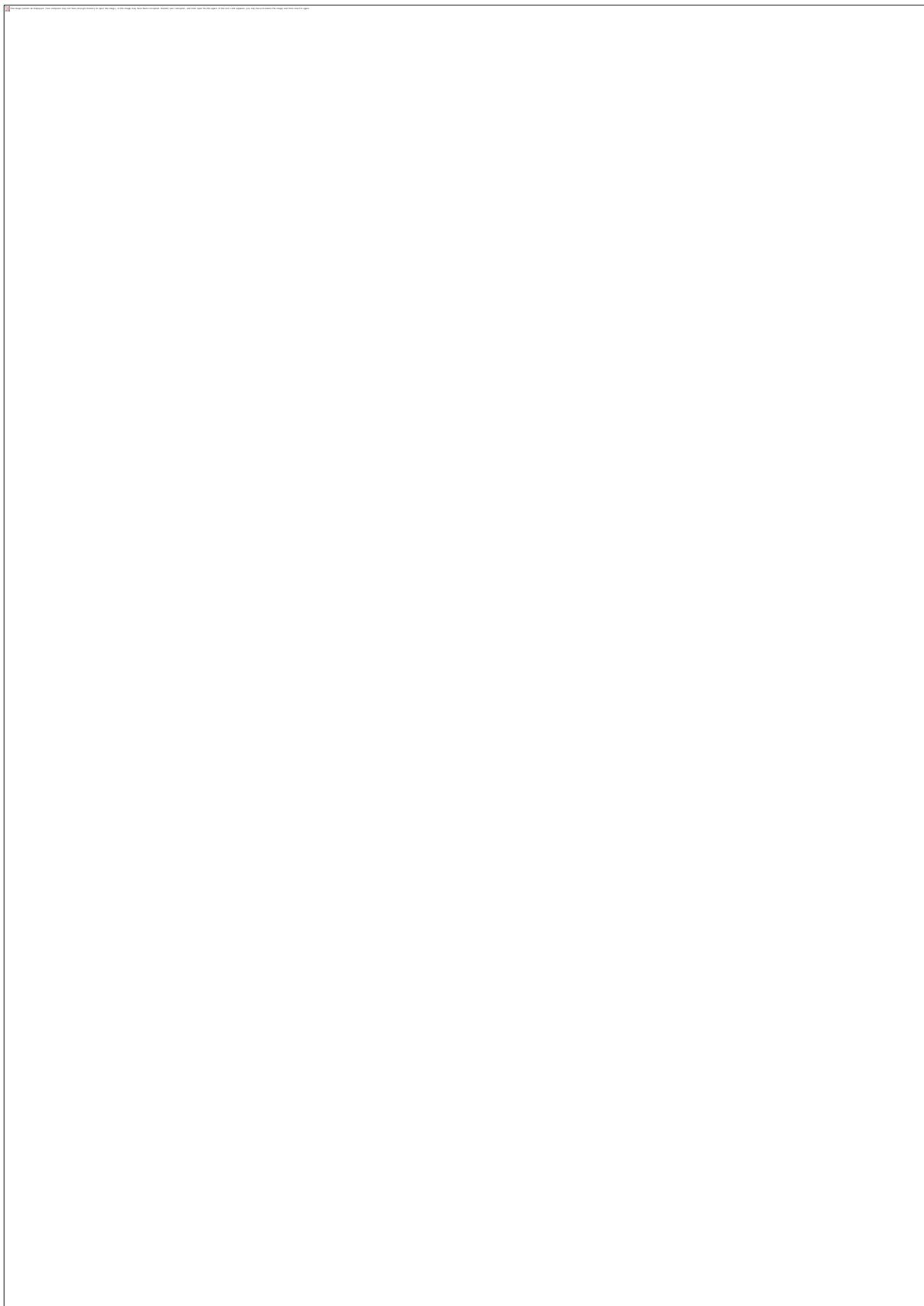


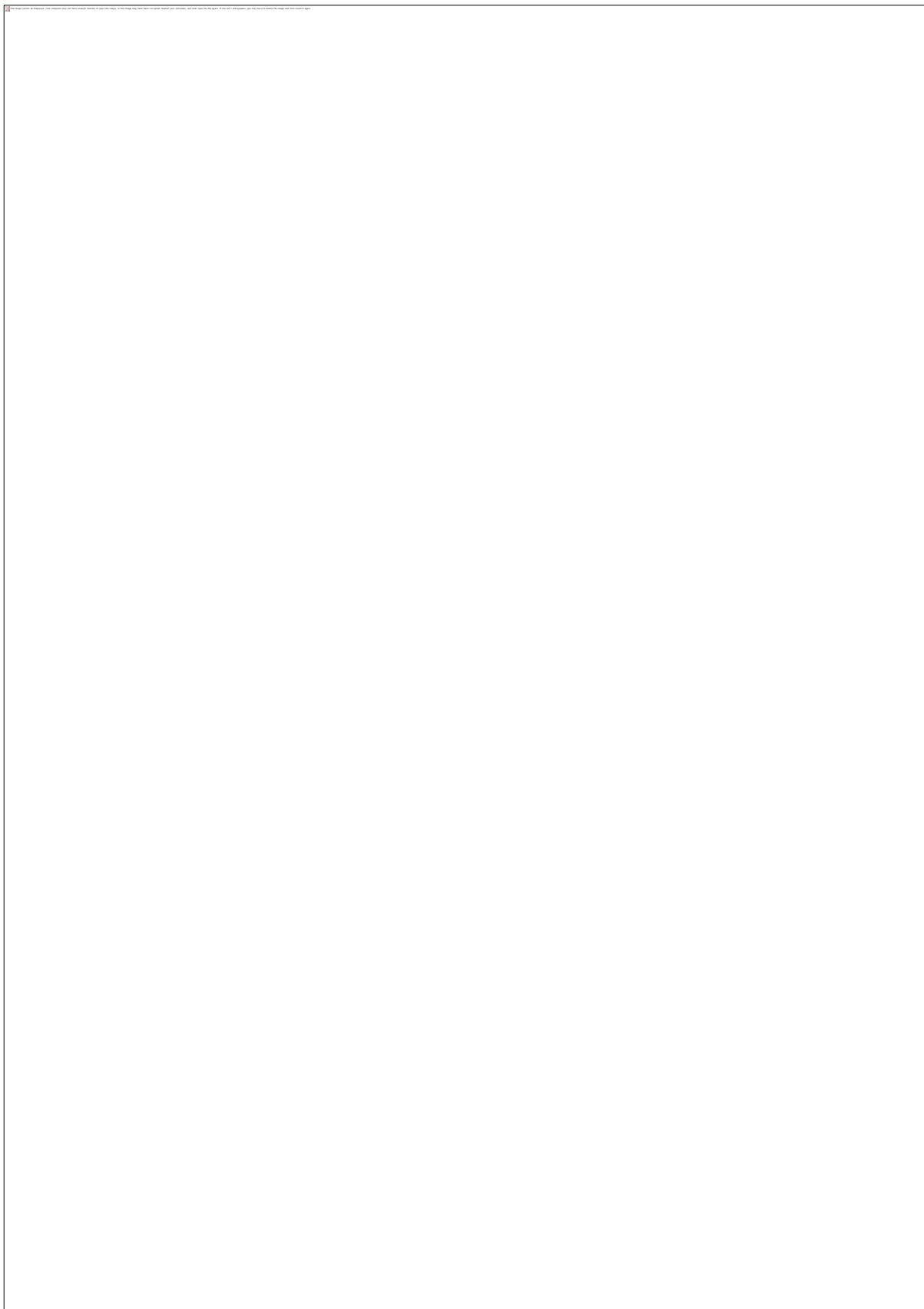


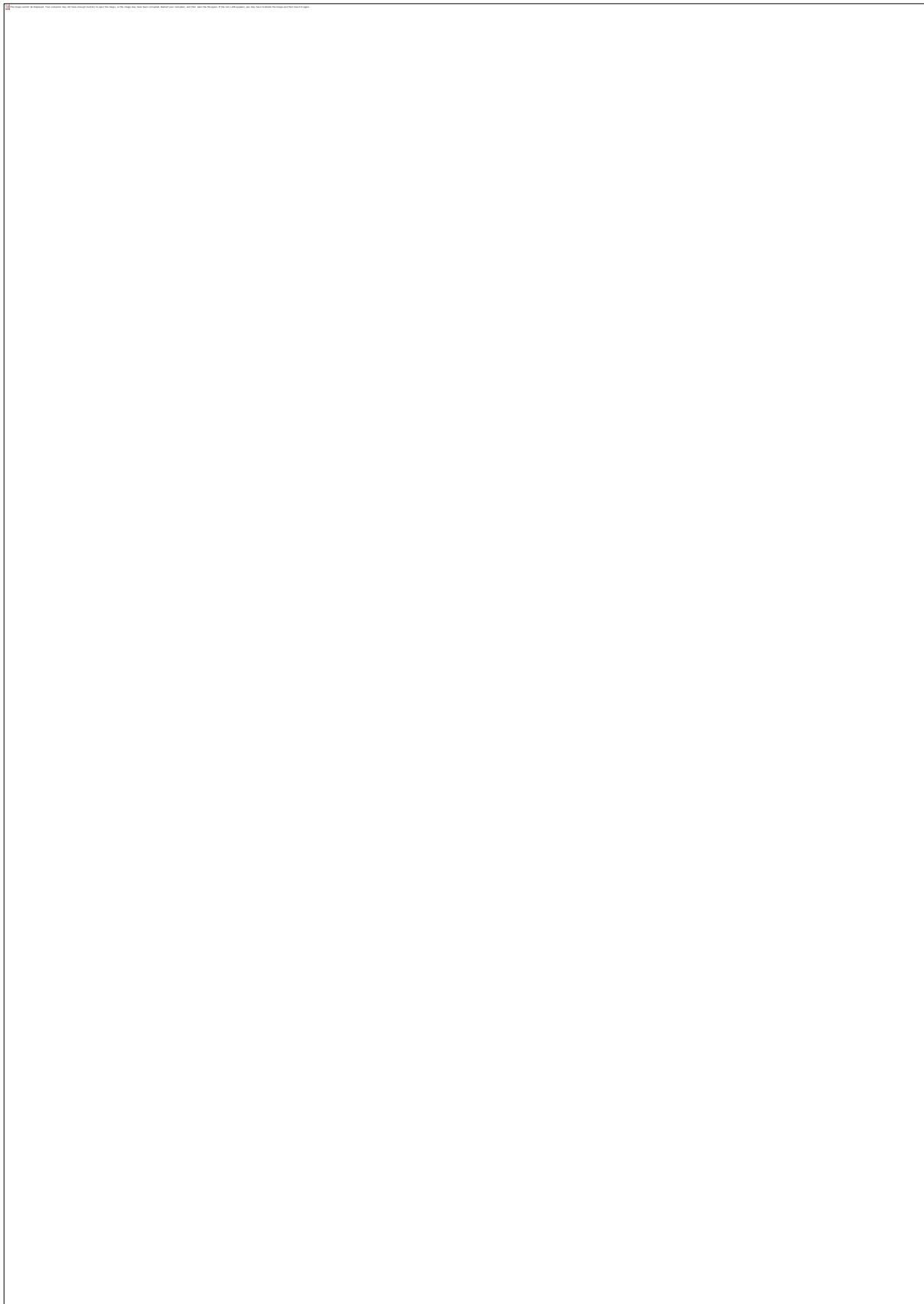


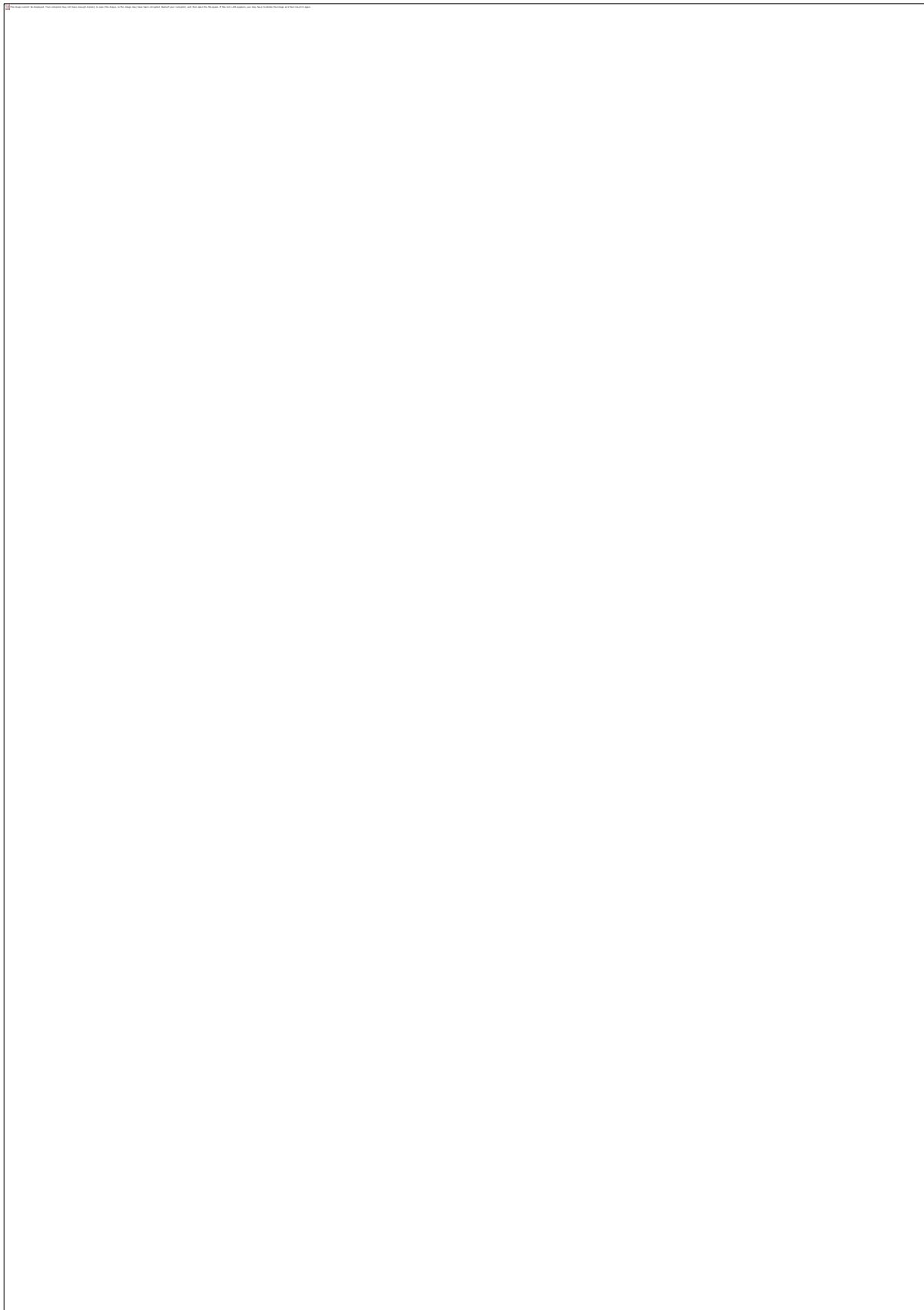


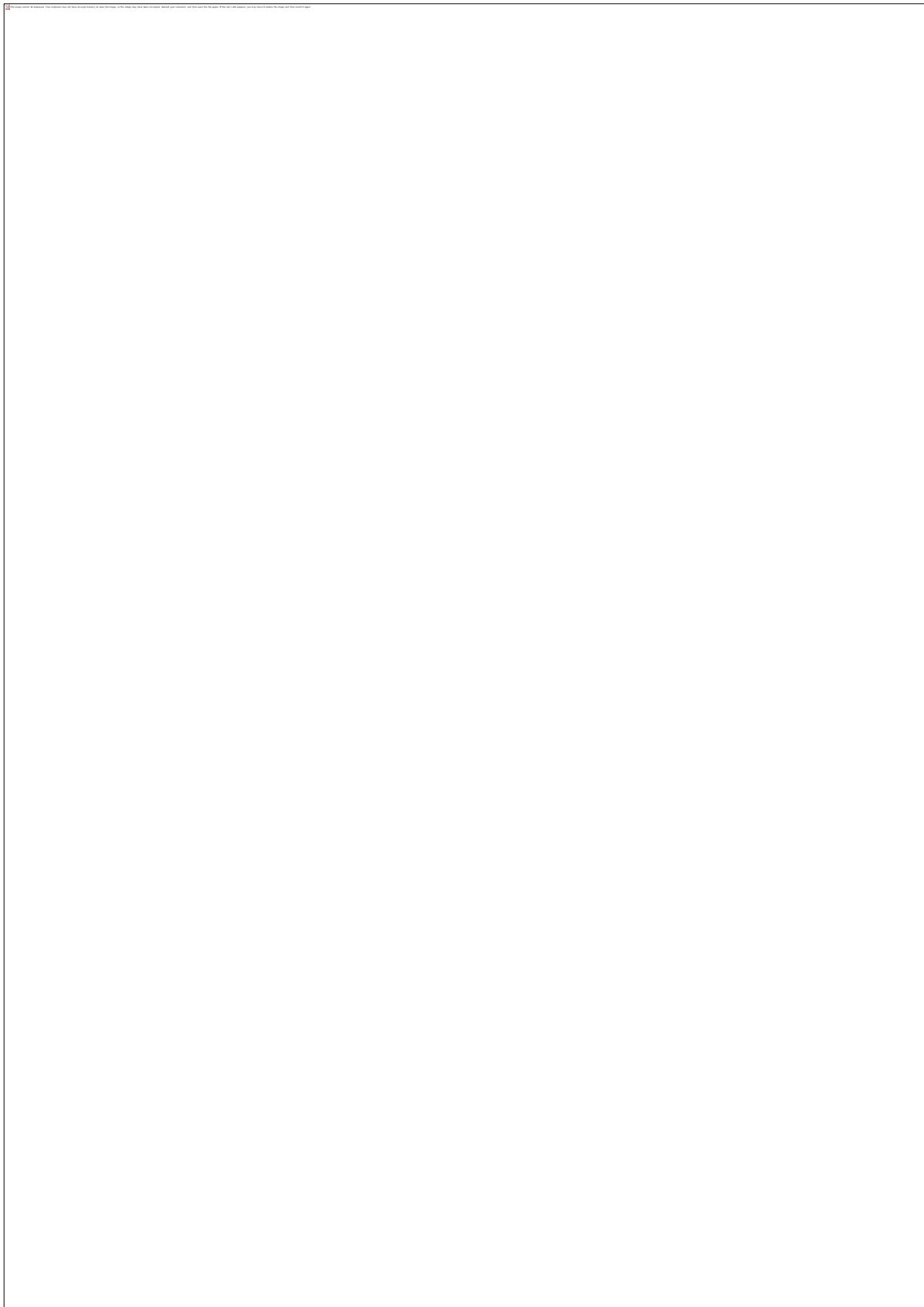


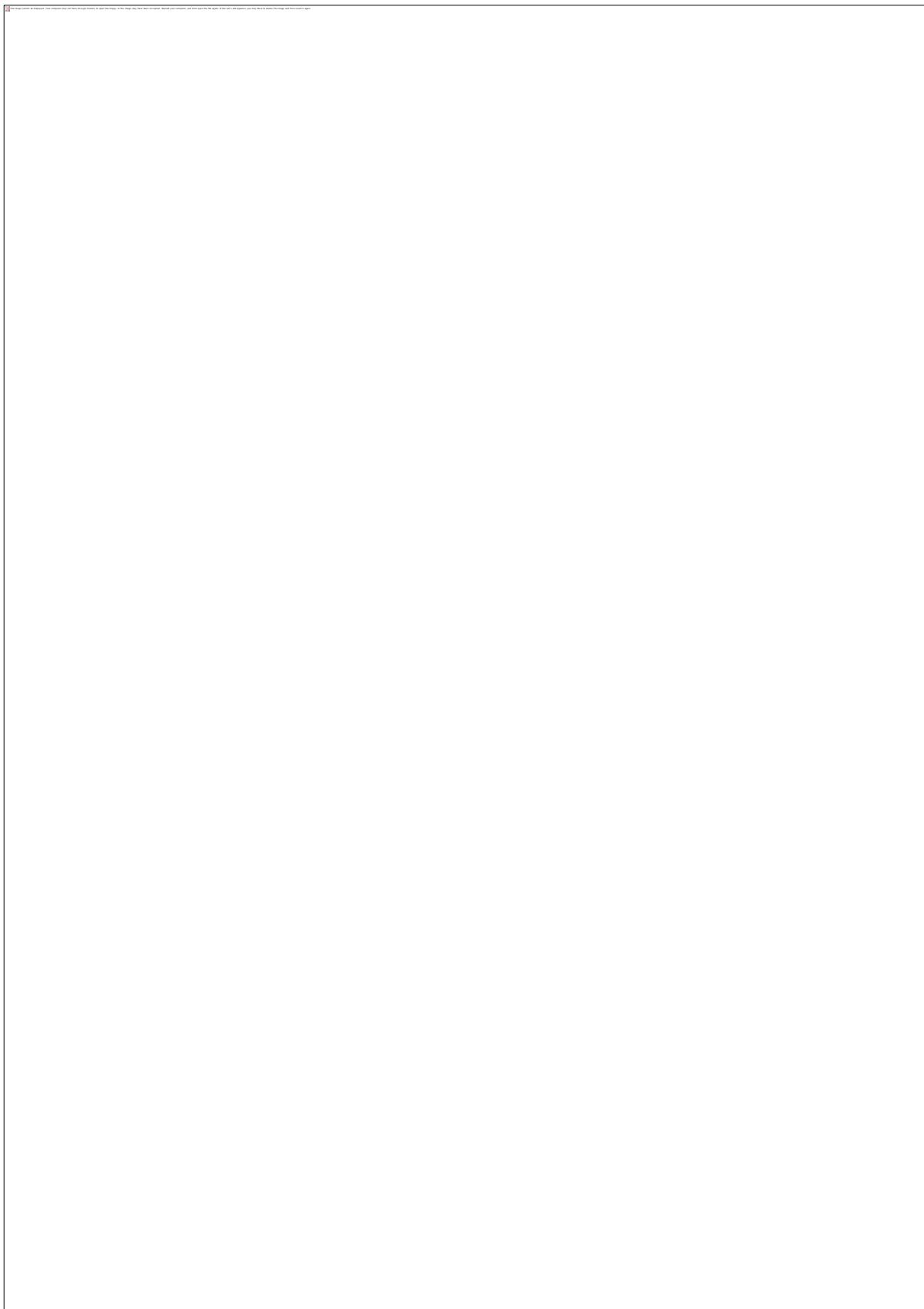


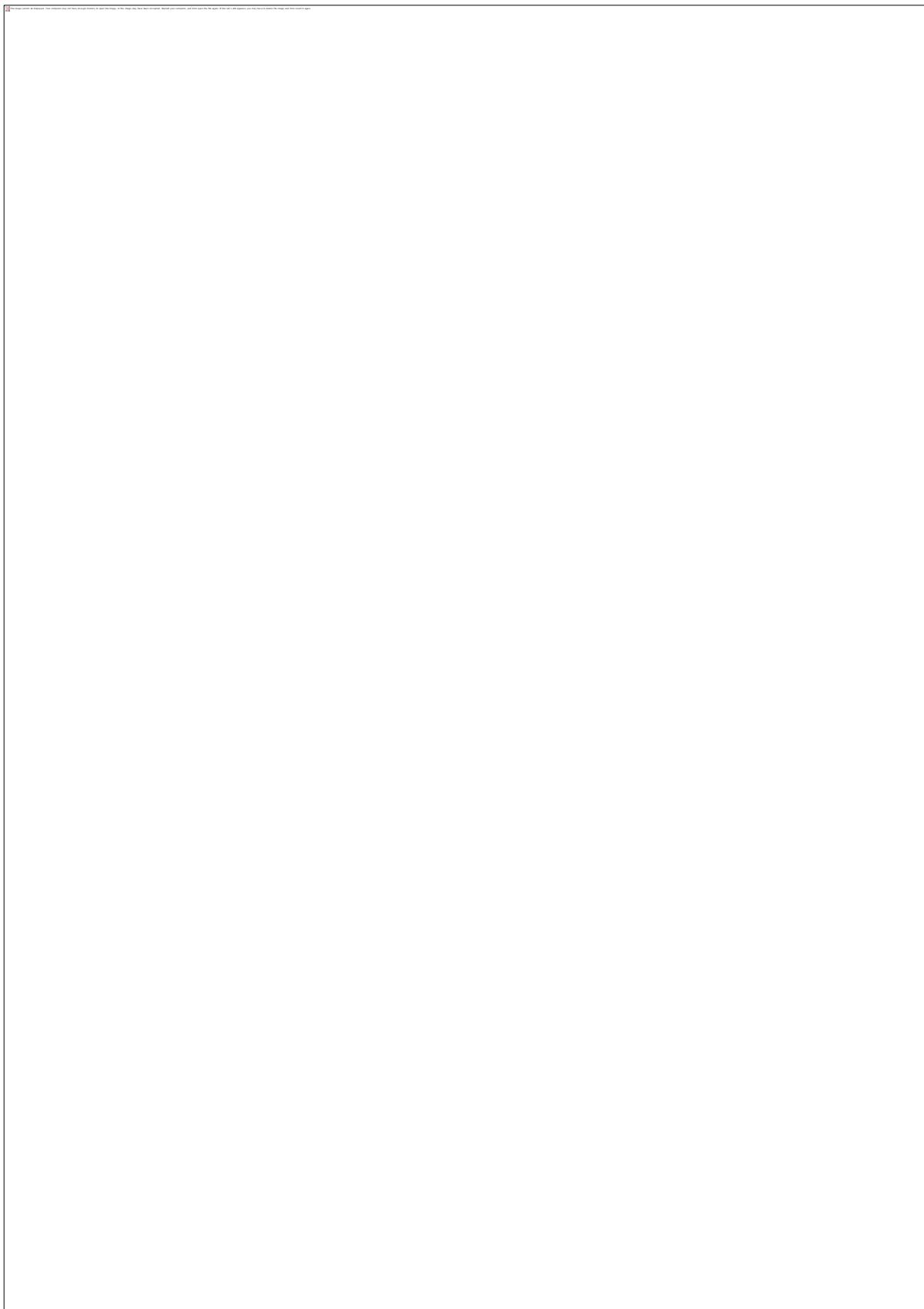


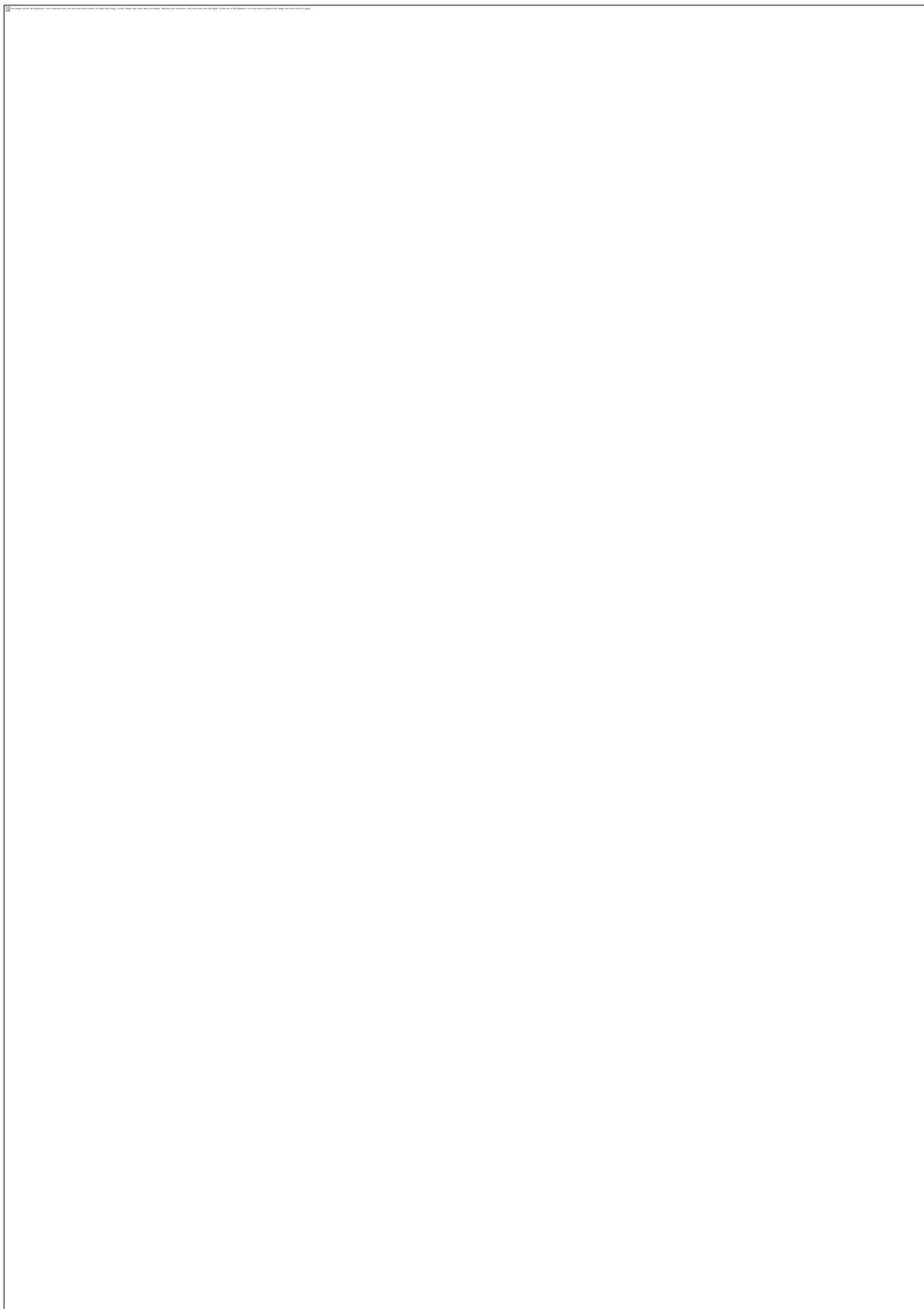


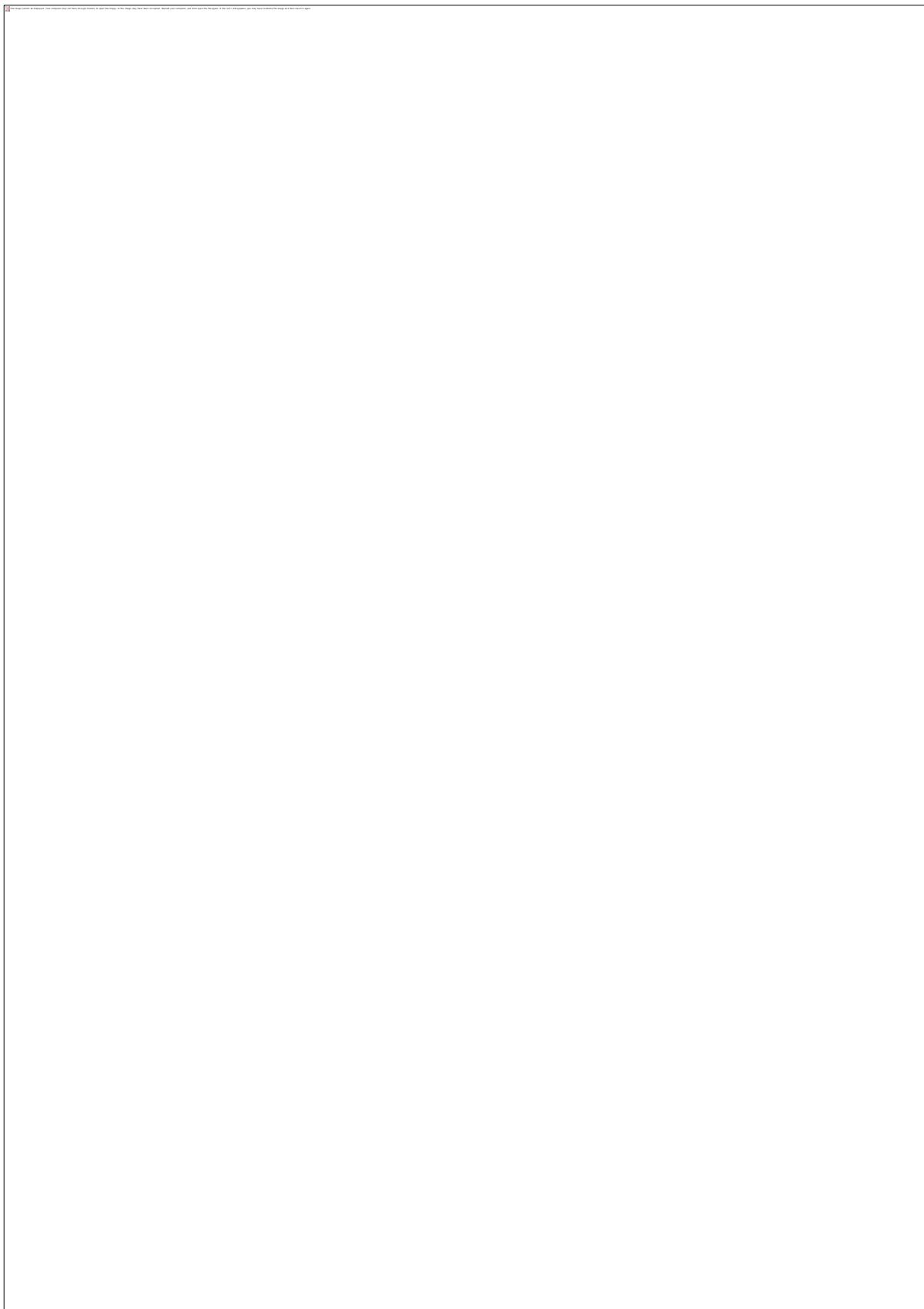


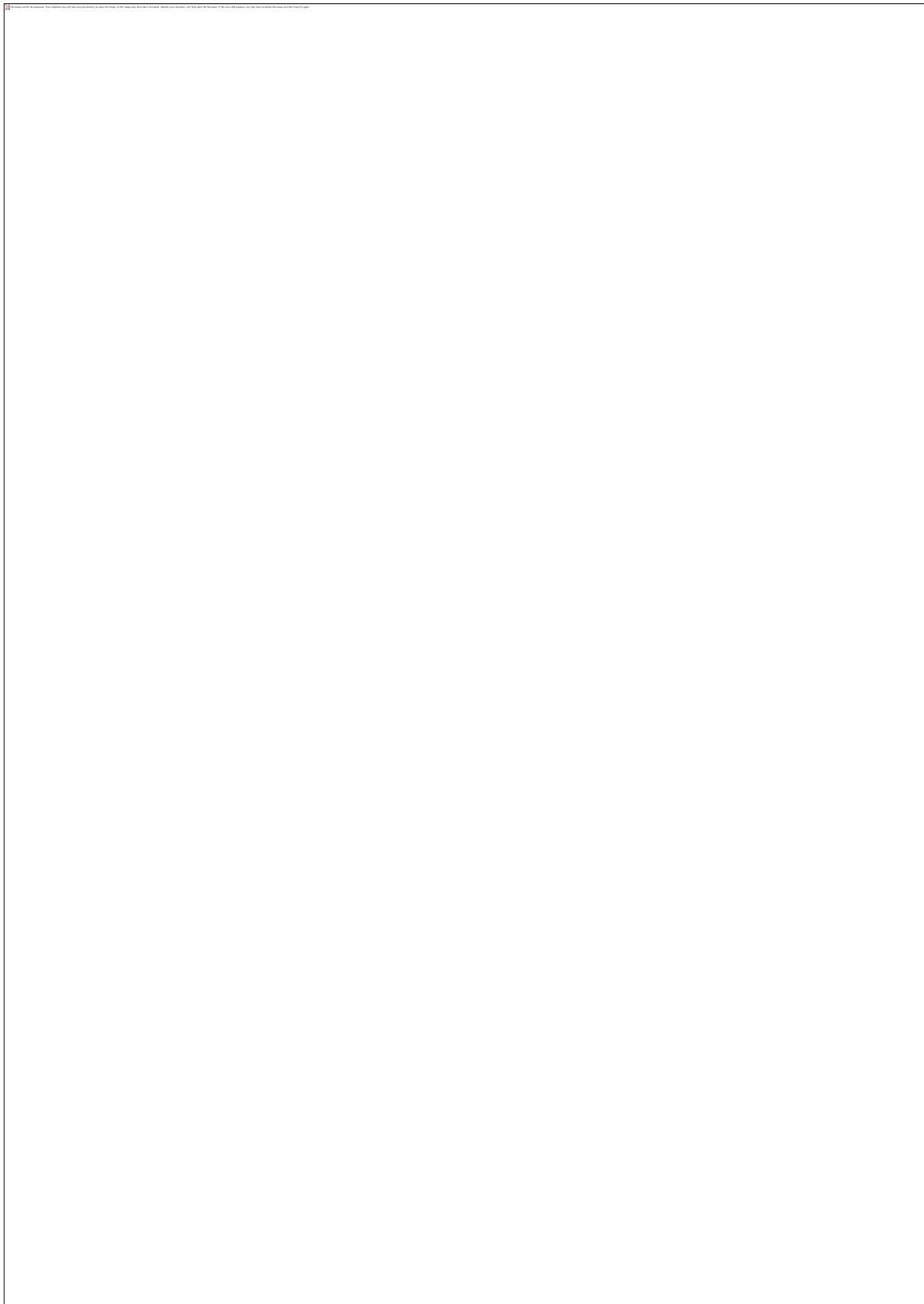


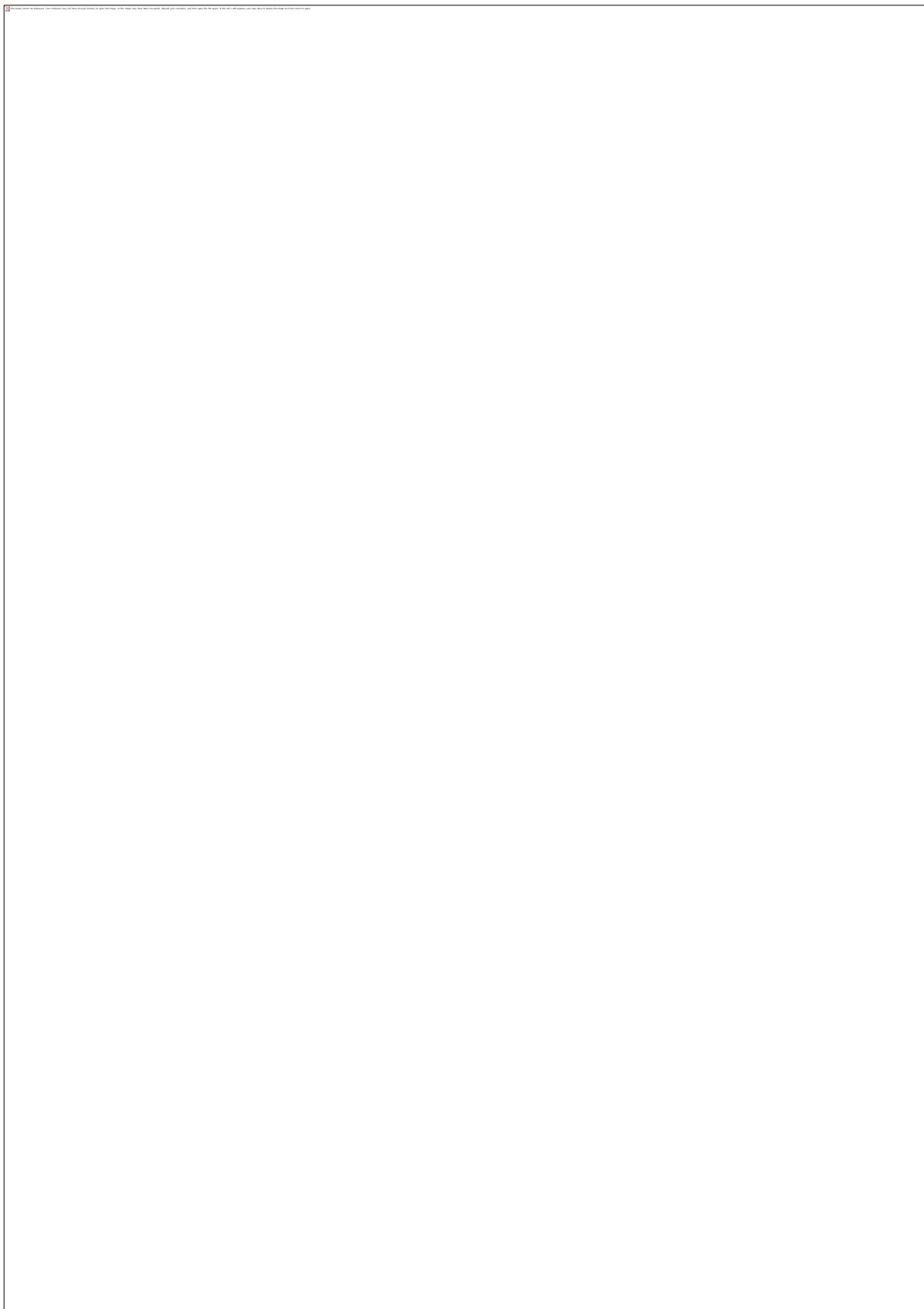


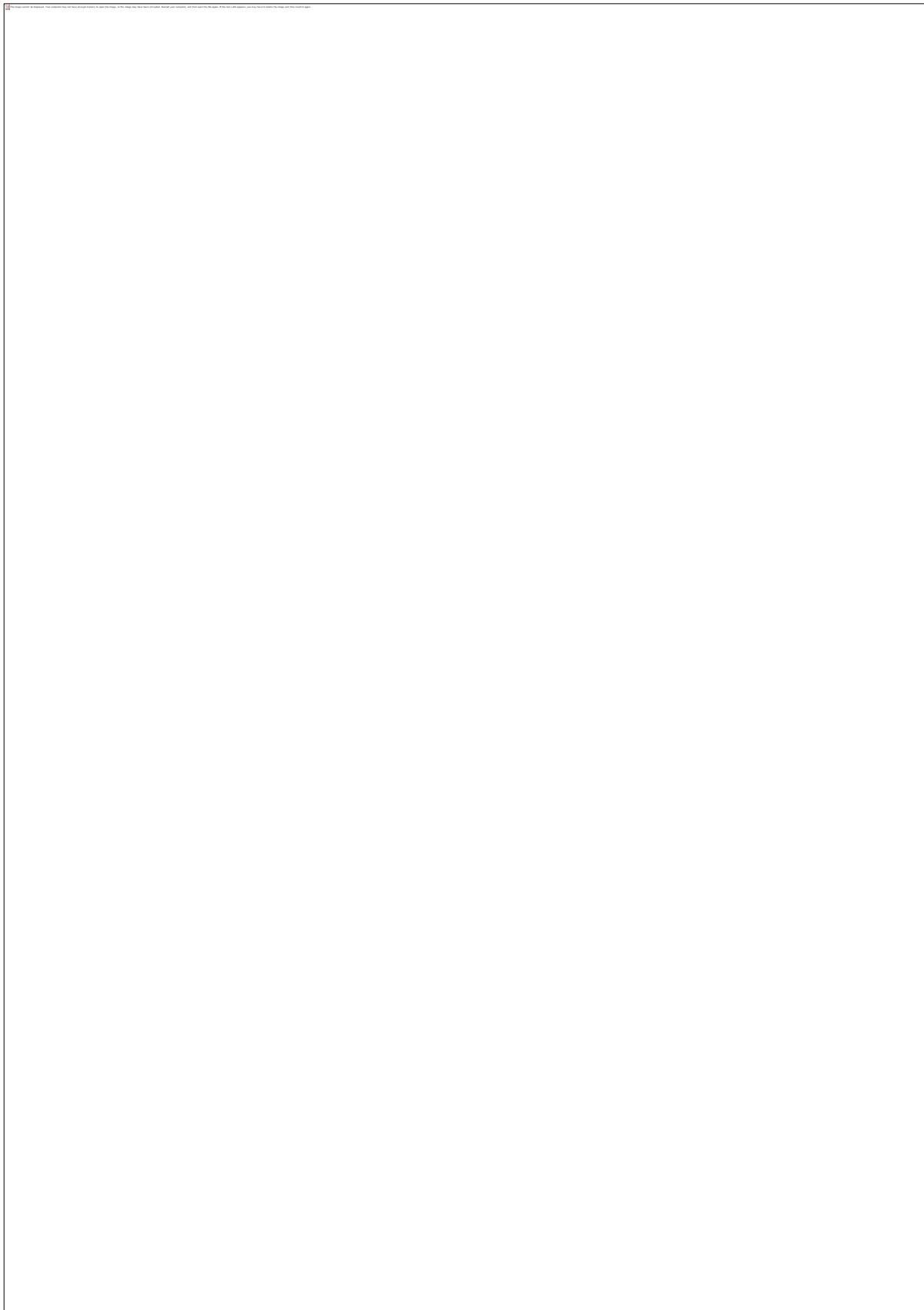


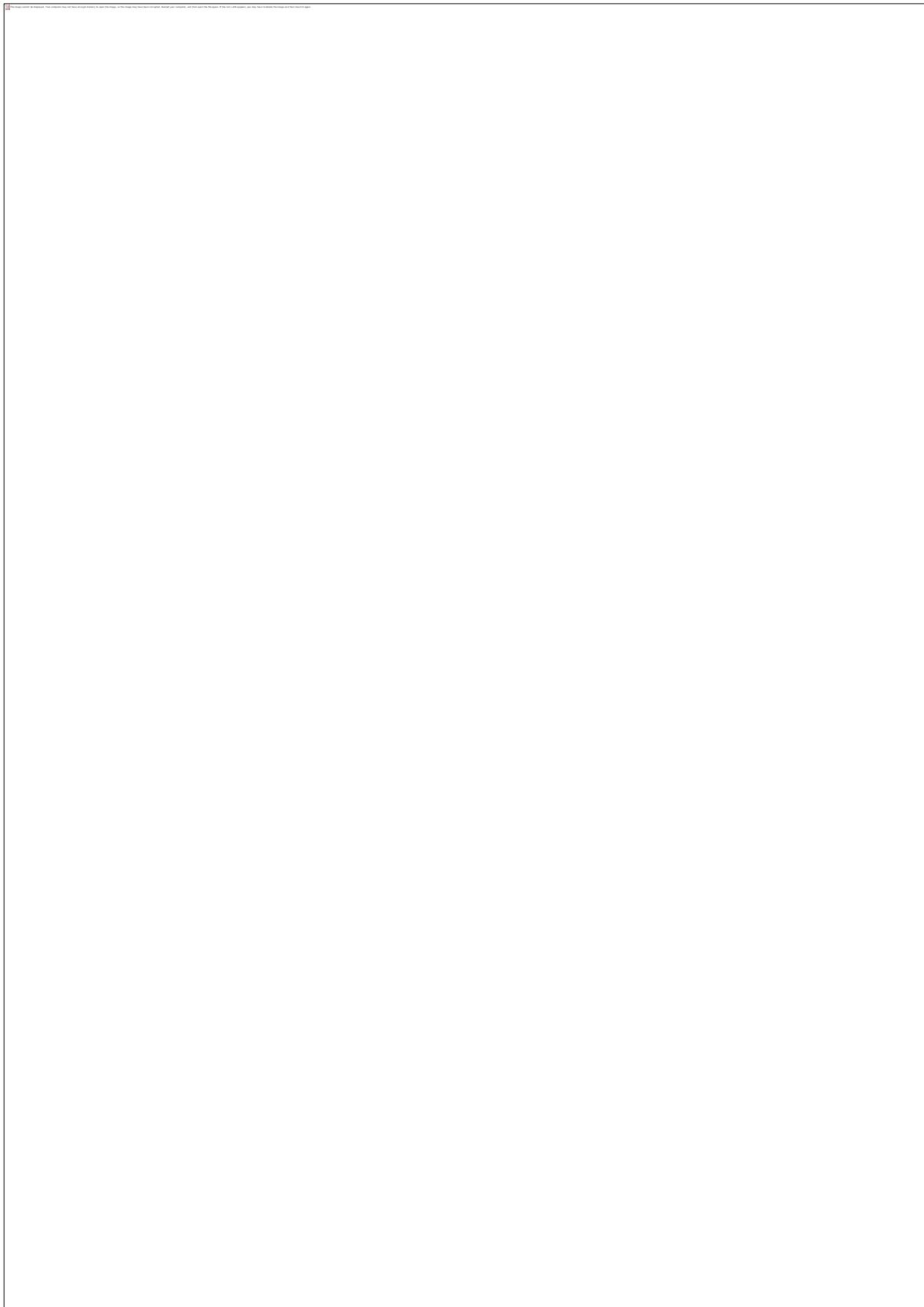


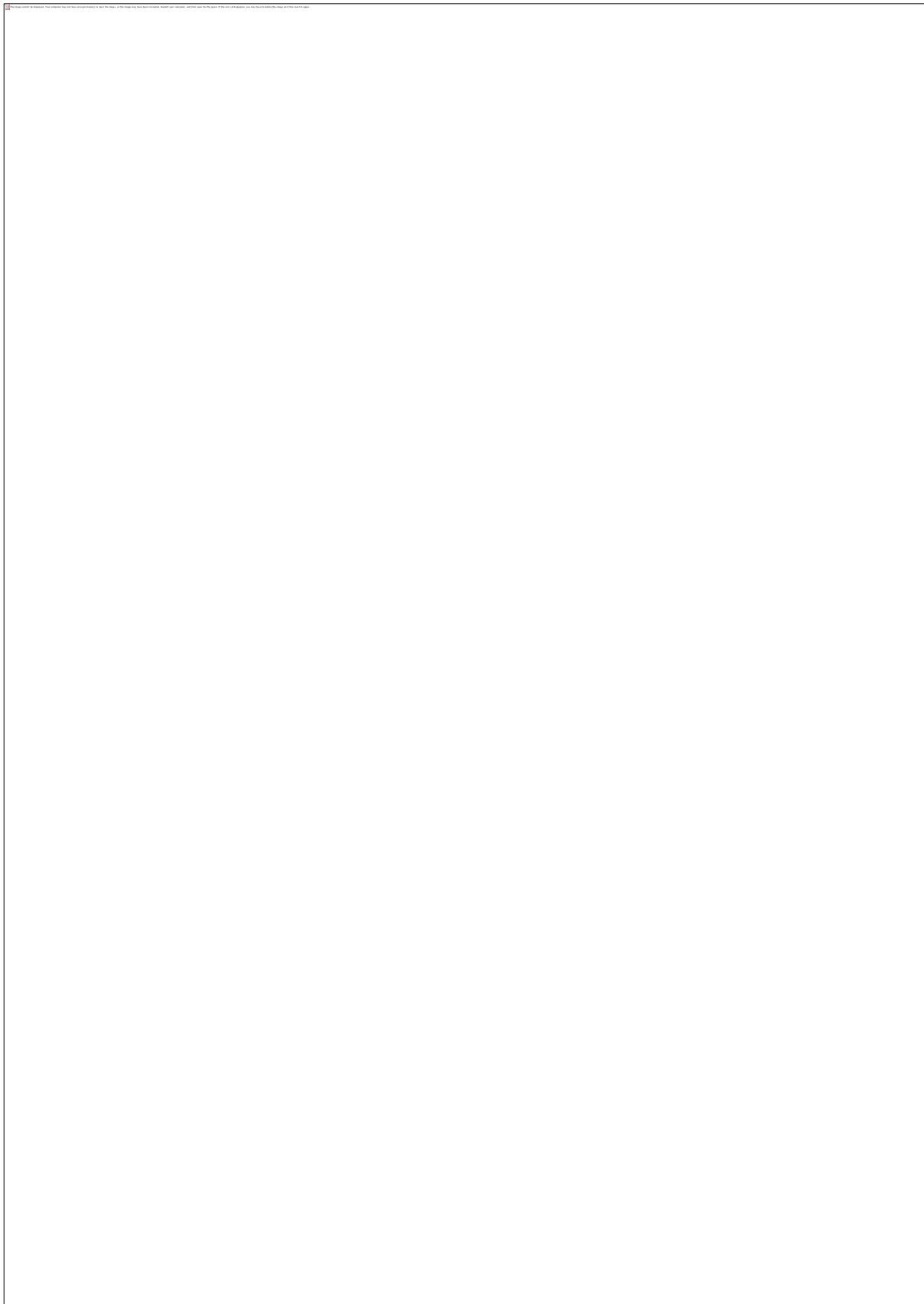












Appendix B: Instructions used by data abstractors

DELIVERY QUESTIONNAIRE DATA COLLECTION INSTRUCTIONS

MEDICAL NOTES

Please be aware of the extreme confidential nature of these notes, the contents of which should not be discussed with anyone outside the department. If you should happen to know the person whose notes are being used, ask someone else to deal with them.

If you have not signed the department confidentiality form you must do so before looking through the notes.

Medical Notes St Michael's Hospital & Children's Hospital: Notes must always be traced in & out on the hospital's computerised tracer system. You will need a password to do this. If hospital terminals are busy, go back later rather than inconvenience hospital staff. Notes must be entered in (and out) of our hospital records book if they are to remain in the office overnight or longer.

Medical Notes Level C: Notes must always be traced in & out on the hospital's computerised tracer system.

Label notes with 'post-it' to indicate where they have been taken from (Level A, Level C).

Children's notes to be done at the Children's Hospital.

Please take great care of the notes, which should always be carried in a box file, carrier bag, briefcase or green or blue bag between the medical records department and the office.

CODING

This is a self-coding questionnaire but it is worth knowing:

7 = not applicable

8 = not stated

9 = not known (rarely used - must be stated "not known" in notes.)

IMPORTANT BEFORE YOU BEGIN...

When completing the questionnaire remember:

- (i) Not to assume anything, if the information is ambiguous please seek clarification from another section of the medical records or cross check with another data collector.

- (ii) Be as accurate and thorough as possible.
- (iii) If at the time of completion of the questionnaire ambiguities remain unresolved, then write the information down on the questionnaire in the way it is recorded in the notes, stating if it is conflicting or ambiguous.
- (iv) If in any doubt always ask or leave yellow 'post-its' to highlight problems that remain unresolved.
- (v) Add any extra information in pencil that you think necessary to clarify the answers, so we won't have to 'pull' notes again.
- (iv) If data is taken from the computer sheet (or hospital computer) please document in pencil that it has been abstracted from such.

Front sheet

Check mother and GP addresses on front sheet. If more than one address or GP, document current and pregnancy/delivery address or GP and make clear which is which.

Please include all hospital numbers. The one in the box should be the current one. The others should be noted alongside.

Please write your initials in the bottom left hand corner.

Page 1

1) Conflicting Information:

Put which question number it refers to in all cases

Do not include conflicting information if you are certain it is an error in the notes.

Do not include conflicting data concerning dates (document in relevant scan text or in B7a).

Include conflicting Apgar scores, birth weights or other important pieces of data.

3b) Missing Data:

Only include large sections of the notes such as the 'nursing notes' or drug charts if relevant.

Do not include missing pathological reports, scans etc.

Section A

Page 2 Check Date of Birth, Hospital No. and Date of Delivery from Hospital notes as well as from the front sheet.

Page 4 Keep the antenatal observations in chronological order. If you should have to add an extra line which is not in chronological order, indicate with an arrow the correct sequence.
AN Obs

The antenatal tests, e.g. Hb, urinalysis etc. are not necessarily taken at every visit, therefore:

- Code 7 - if the test has clearly not been done.
- Code 8 - where there is any doubt, i.e. test should have been done or was done and no results found.
- Code 9 - if clearly stated as "not known".

If the date or result is not given - code 8s.

If weight is expressed to two decimal figures round down.

If there is blood in the urine - code 5 (ignore the protein).

If glycosuria is expressed in fractions, a % *other* than ¼, ½ or 1, or n.o.s. - code 8 and document under B7a.

If oedema is not mentioned assume "No" unless previous recent episodes of oedema - code 8s until oedema is mentioned again.

Oedema is always '0' unless just with an Hb result when it should be recorded as '7'.

If oedema of the abdomen - code 5 and specify in B7a.

If Hb only - code all 7s except the date, blood result and care status (1 at booking, otherwise 8s).

Elective caesarean sections usually have FBC on admission. Check if this was done and if no results (frequently no results found at SMD) - code 8's in the ANC.

Do not forget pre-labour observations on the date of delivery if mother was admitted before going into established labour. This is not necessary if she went into

labour before 06:00a.m.

If more than one home visit on the same day document all visits separately.

Please be careful to get the year correct!

Dillons can key 26 lines of antenatal information. If more than that, please use an extra sheet. Do not just squeeze another line in at the bottom.

Please write the ADD, Questionnaire number and Cohort on any extra sheet (no other info is necessary) and put as much information as you can, e.g. if obs. done and year is obvious but missing write it down. Remember to note on the front sheet that there are extra sheets attached.

Section B

or **2** if there is something of importance picked up on the scan: including breech or transverse presentation; date change by more than 1 week (this must be checked on a gestational calendar - document S = XX weeks, D = XX weeks); low placenta; or twins (once twins are diagnosed there is no need to code 2 for any following scans that confirm twins).

Types and reasons for scans vary considerably, please ask if unsure:-

- If multiple reasons – code 21 - document reasons in B7a or under relevant admission.
- BPP - code H = Real-time scan (RTS).
- BPPs not usually documented at Southmead as such (RTS).
- Doppler scans - Normal P.I. (pulsatility index) depends on gestation, document all P.I. results.
- If Doppler scan is done at the same time as another scan, enter as two separate scans.
- Doppler = Sonicaid. This is not always obstetric - could be for possible DVT.
- Abdominal pain plus ?abruption - code 24 (foetal well-being).
- Abdominal pain only - code 1.
- If mother has a condition which *might* affect the baby or if she has had a previous child with an abnormality (e.g. cleft palate) and an extra scan is done - code 24 (foetal well being).
- Specific doubts about the foetus e.g. AFP ↑ or Down's risk↑ - code 27 (suspected foetal abnormality).
- Scans in labour document on scan page, also should be documented on C13s ("see scan page").
- Maternal reassurance - code Type = Z and Reason = 20 then document in B7a.
- **Scans for maternal renal, gall bladder etc code Type = Z and reason = 20 then document in B7a.**
- Choroid plexus cyst no longer seen - Text = 1 (normal).
- Placenta <5cms from internal os is low - Text = 2.
- Placenta >5cms from internal os is normal - Text = 1.
- If pelvimetry has been carried out check if it was by scan or x-ray and document on scan page, including "unclear if x-ray or scan".
- CT Scan & CAT scan are both X-rays.
- Extra scan due to previous miscarriage - code 25.
- Weston Routine Scans are Survey Scans - code J.
- If scanned for cervical length (incompetence) - code 1.
- **Amniocentesis must have own scan line - code H at BMH and Z**

at Southmead (unless clearly stated otherwise).

- Page 7 B5a) Only tick “Yes” if hypertension or pre-eclampsia are stated in the notes (**not if BP↑**).
- B5b) Take the first date that either hypertension or PET is mentioned.
Essential hypertension – if diagnosed pre-pregnancy document in B7b); only document in B5 if BP increasing due to pregnancy.
If admitted cross-reference to admission (e.g. “see **adm. B10a or b etc**”).
If not admitted, brief details including daily BP, drugs, FBC, clotting studies, U&Es & urates. Indicate in B7c that details are here (“see B5c”).
If antenatal hypertension diagnosed **retrospectively** in labour, document diagnosis etc in B5a) & b) and in c) write “see C13s”.
- B5c) If hypertension in labour only then just document in C13s.
- B5a)b)c
)
- B6a) Raised Down’s Syndrome risk and Multiple of Median (MOM) is not documented here but in B7a.
AFP could go into 4 figures, therefore, if necessary put a decimal point after the four boxes.
- B6b) Amniocentesis - Look out for evidence of USS and the possibility of Anti-D being given following the procedure.
Do not document topical Lignocaine before Amnio.
- Page 8 B6c) Anaemia:- in ALSPAC this is below 10.0g/dl, i.e. 9.9g/dl. If anaemia is stated, e.g. if Hb is between 10.0 and 11.0, but no evidence of “ALSPAC anaemia” do not tick box but document in B7a.

- B6e) BPP must be documented on the scan page.
- B6g) Blood sugars = fasting bloods, serial blood sugars, glucose tolerance tests (GTT) & fructosamine (fructosamine and any other abnormal results document in B7c).
- Page 8 B6i) CVS - watch out for USS and Anti-D during and after procedure.
cont.
- B6j) Creatinine:- only tick box if you find a result. U&Es and 24 hour urine collection may have creatinine investigated but not necessarily. Indicate in pencil that you have looked for a result. If you do find an abnormal result make sure you document whether it is a blood or urine result.
Document 24 hour urine collection in B7c.
- B6k) Tick diabetes if diabetic before pregnancy or if gestational.
- B6n) ECV - may have Anti-D.
- B6o) Failed ECV - may have Anti-D.
- B6p) Only tick this box if there has been an outbreak during pregnancy otherwise document in B7a.
- B6s) Include donated sperm, eggs, gift etc. and specify in B7a.
- B6v) Tick here if any antibody is mentioned and document which. Include "CDEcde" in which case B6aa) "Rh antibodies" must be ticked also.

- B6x) Placenta praevia if stated or if covering or adjoining internal os **post** 32 weeks.
- B6z) Normal range for Random Blood Sugar = 3.5-5.5. Random blood sugars are always stated as such.
- Page 9 B6dd) Threatened abortion = contractions with or without bleeding **before** 24 weeks.
If threatened abortion stated but no evidence of contractions do not tick box but document in B7a) **or any relevant admission**. Box is ticked even if it continues to preterm labour.
“Contractions” from UTI not included here, but B6hh ticked and document in B7a.
- B6ee) Threatened preterm labour = contractions with or without bleeding **after** 24 weeks and **before** 37 weeks. Box is ticked even if it continues to preterm labour.
- B6hh) Cystitis is **not** classed as UTI for our purposes, document under B7a).
- B6mm) Thrush:- tick genital infection box and also document in B7a). If Canesten prescribed but no mention of thrush, document in B7c.
- B7a,b,c) If nothing in these sections please write “None”.
Number each entry in these sections.
Document date for any entries in these sections.
- B7a) If mother has had more than one DNA (did not attend) at ANC document here.
Document nausea and vomiting.

If LMP is a pill period document here.

- B7b) Include here (and try to keep in this format):-
- i) Past medical history including allergies but excluding “routine” surgery e.g. T&As or appendectomy and fractures with no residual complications. Try to distinguish if “maternal” indicates the ALSPAC mother or her mother - not always possible.
- Page 9 B7b
cont. cont.
- ii) Family history that is relevant to pregnancy, i.e. congenital disabilities, hypertension, epilepsy or multiple births. Include family history of TB.
- iii) Past obstetric history - previous terminations or miscarriages and previous complications in pregnancy (not normal deliveries.) Irregular periods.
- Page 10 B7c) List all drugs prior to labour, e.g. Gaviscon, paracetamol, Pregaday, castor oil etc.
- If conceived while on pill document here.
- Routine MSU on booking not included here.
- Only document **abnormal** investigation results (BMstix <2).
- Document dates for any entries in these sections.
- Fetal ECGs document here.
- B8a) Double sac - tick as multiple (and document in scan results).
- B9c) If stated “just resting” (but not “advised”) put in B7a & document “n.o.s.”
- Page 11 B10b-g) Try to keep the admissions in chronological order.
- Count **days** in Hospital not nights.

Each day in hospital should have an entry in the antenatal observations (Page 4). In pencil, bracket together all lines of observations for each admission, state which admission and number each admission. If more than one reading on that day, take the worst, i.e. highest diastolic.

If admitted pre-labour but stays in until after delivery, count days stayed from admission to discharge.

If admitted twice in one day to two hospitals (i.e. transferred) put down as two admissions. If admitted twice in one day to same hospital also put down as two admissions. In both circumstances enter one line of antenatal observations for each admission.

If admitted for a reason not connected with pregnancy do not put in lines of 8s for each day. Do put in ANC lines if weight, urine, BP or HB results found during that admission. Briefly document admission as usual.

If seen in A&E or CDS (or on Ashcombe Ward at Weston) and not actually admitted or not clear if admitted or not, treat as an admission.

Admissions should give a brief summary of reason for admission, investigations (including CTGs), treatments (including drugs) and outcome. Only document VE results if unusual.

If long admission with home leave at weekends document as same admission.

If mother admitted the day before an elective C/S for clerking, document as 2 admissions (C1a will be actual day of C/S).

If transferred in labour take time of admission from first hospital.

Dillons can key 6 admissions, so use extra sheet only if 7 or more.

Section C

- Page 13 C1b) Take the first rupture of membranes.
- C1c) First stage from onset of regular contractions but often difficult to decide, consult other members of the team.
On rare occasions when regular contractions are never established make assessment on other factors (consult team) but may have to code as 8s.
If no labour - time coded as 77:77.
- C1d) Second stage from full dilation (not from start of active labour).
If no labour - time coded as 77:77.
- C1e) Delivery date - check this agrees with front sheet.
- C1a-f) Only take times from computer sheets if they are not documented elsewhere.
- C2a) If admitted in labour and then sent home to await events, document briefly in C13s. Take time of admission from the admission which proceeds to delivery.
If admitted before onset of labour, then there should be a corresponding hospital admission and entry on the antenatal observations sheet.
If labour starts before 06:00a.m. and no obs. have been taken that day, do not include a line of 8s, but if obs. have been taken document them on the A/N page.

- Page14 C3a For C/S - only tick box 5 if both (spontaneous & at C/S) are documented, otherwise tick 3.
- C3b If membranes ruptured at caesarean then interval “Not known”.
If membranes ruptured at VE tick “Other” and state how, **unless** if stated as SRM then write “at VE n.o.s” **and then code 8 for augmentation.**
- C4i If failed induction - code 2 (also C4ii) = g “failed”).
- C4ii Induction may be by several methods.
If failed induction - code “g” and document “failed”, also tick relevant boxes a-f).
If syntocinon is used for induction and continues throughout labour this is **not** also augmentation. If syntocinon turned off and then started again, document as augmentation.
- Page 15 C4iii Augmentation includes any intervention which affects the course of labour; even if not specifically for augmentation, e.g. ARM for application of FSE.
Do not include “mobilisation to toilet”.
Southmead records frequently do not state reasons for augmentation.
Do not include stretch and sweep of membranes here. This should be put in C13s or hospital admission depending when done.
- C5a This is presentation at the onset of labour **or at caesarean section.**
Cephalic = vertex for our purposes.

- Page 15 C5b) If Keilland's forceps change presentation - code 4 and document.
- cont. If presentation at onset of labour is made in error put the ***wrongly diagnosed presentation*** in C5a.
- Page 16 C6a) If Caesar with forceps or other methods of failed delivery only code Caesar (forceps covered in next question and failed methods covered in reasons for C/S).
Breech extraction only if stated.
Any other failed method of delivery (apart from spontaneous), document both failed and successful methods under "6 - Other".
- C6b) Anderson's forceps are the same as Neville Barnes.
- C6c) Elective C/S must have been pre-planned during antenatal care, but elective may become emergency in some cases, in which case document reasons for both elective and emergency C/S.
If elective C/S is booked but then goes into labour classify as emergency.
- C7i) & ii) Any drugs interventions etc. after the baby is delivered documented in section D not here.
If mother has a retained placenta, document interventions, drugs etc. in section D not here.
- C7i)e) Check time Fentanyl given on chart - may be given after baby is born (at BMH).
- C7i)d) & i) Check epidural chart to see if site is specified.
Epidural infusion = epidural & document in p).
Bupivacaine (Marcaine) via epidural - tick epidural box only, no need to document. Document other drugs used in epidural in p) if analgesic but in C7ii)q) if not an analgesic.
Do not document topical Lignocaine before epidural is sited.

- Page 17 C7i) h) Hydrotherapy = hot bath or bath.
Birthing pool only if stated.
- C7i) p) Epidural **infusion** document here.
This question refers to **before the birth of the baby**.
- C7(ii) Include pre-medications here even if given on the ward.
If Ranitidine given in morning of C/S, tick box (treat as pre-med.) If given night before, either at home or on ward, document in admission (ward) or B7c (home).
- Page 18 C8 Caesar with no labour code 5 **not 2**.
Only tick APH if it actually says so.
- C10b) If protein n.o.s. code 6. "Blood" documented under complications in labour.
- Page 19 C11a) If urine tested in labour assume tested for ketones - if no results found code 8s.
- C12a) May have to draw a box and code 8 (not stated but had had oedema prior to labour).
- Page 19 C13
cont.
C13e) This section covers Twin I and II but there may be extra data on Twin II in the multiple birth section.
If "distressed with contractions" at St. Michael's do not tick distress box put under other (C13s).

- C13g) Failure to progress only if stated (do not make clinical judgement).
- C13i) & q) If left or right lateral is in order to site epidural, tick box and document in pencil.
- C13j) Meconium at delivery, tick box and document in C13s.
- C13k) Obstructed labour only if stated.
- Page 20 C13m) Precipitate labour only if stated.
- C13p) Pyrexia = above 37.0°C.
- C13r) Water birth only if baby born under water.
- C13s) Do not include epidural top-ups here, document in pencil in C7i).
- Cord cut and clamped before delivery document here, also cord snapped.
- Do include anterior lip even if it does not cause problems.
- Glucose drinks (or Lucozade) in labour document here.
- Include here “heavy blood-stained show” (but not a normal show).
- If stated document “crash” with emergency section and “rapid entry” when in theatre.

If unsuccessful FBS (**not** followed by success) document here.

Document lithotomy position to prepare for normal vaginal delivery only (**not** for instrumental deliveries).

If caesarean section - include here complications in theatre, e.g. fibroids, bleeding from uterine angles, difficulty suturing etc.

For instrumental deliveries - document the number of “pulls” and seniority of the operator.

Moulding and caput documented here if diagnosed before delivery (F9 if diagnosed after delivery).

Include undiagnosed breech here.

Include trial of scar here.

C14i) This will be repeated in the multiple birth section for Twin II unless definitely only one twin involved (e.g. FSE).

C14i)a,b It is possible to have both intermittent and continuous C.T.G.
)

Page 21 C15a) As far as possible keep Twin I and Twin II separate - Twin I is the first born.

Page 21 C15a)
cont. Loss of contact - code I “Other”.

- cont. Do **not** document accelerations (normal).
If decelerations are deep, persistent or prolonged document in I) “Other”.
Shallow decelerations do not need to be documented.
If in doubt about the significance of CTG details, document in pencil.
- C15a)ii) Code I “Other” if rate specified and document number of bradycardias or tachycardias and lowest/highest rate.
a) & c)
- C15a)ii) Baseline **must** be stated if this box is ticked.
b) & d)
- C15a)ii) Sinusoidal pattern is rare and very serious: should it come up in your notes please tick the “Flat trace/Sinusoidal pattern” box but also the “Other” box and document details.
i)
- Page 22 C15b)ii) Foetal blood sample (FBS) normal range = 7.26-7.50. **Careful** - do not document cord blood results.
If foetal blood pH is abnormally high, then i) = yes, ii) = yes & iii) = 7.77 and in pencil “see C13s”.
- C16b) 2° tear with anal involvement = 3°.
Extended tear - code 6 “Other” and document.
Bruises - do not document here but under D1x).
Only one box to be ticked, if anything is not straightforward code 6 “Other” and document.
2° vaginal tear – code 6 “Other” and document.

Section D

- Page 23 D1a) Anaemia = below 10g/dl i.e. 9.9.
- D1b) Blood transfusion includes packed cells but not platelets or Gelfusine.
- D1c) Breast problems includes full and hard or full and painful but not just full.
- D1d) If catheter in situ, tick box (i.e. catheterised antenatally or in labour).
SMD has 'in-and-out' catheterisations which are documented here if after delivery but before completion of third stage.
- D1e) No need to elaborate unless clots lead onto problems.
- D1f) Do not tick unless specified.
- D1i) Thrush: don't forget to tick genital infection box, and also document under "Other".
- D1k) Infection only if stated.
- Page 23 D1m)
cont. Manual removal of placenta only if stated. Retained placenta (D1p) must be coded too if vaginal delivery.
- If Caesar and CCT (Controlled Cord Traction) **code 3**; if manual removal and CCT **code 4**; if not stated **code 8**.**
- D1n) Only tick if definite diagnosis of mastitis.

- D1o) Document briefly type of micturition problem in x) "Other".
- D1s) Pyrexia is above 37.0°C.
- D1v), w) Only tick if definite diagnoses.
- D1x) Details of complications or treatments go here even if another box is ticked apart from breast and perineal problems.
- Document days post-partum.
- Adherent placenta on C/S document here (tick manual removal box).
- Document placental swab here.
- Page 24 D2a) PPH = 500mls or more.
- D2b) Primary = within 24 hours of delivery.
Secondary = after 24 hours of delivery.
- D3) Drugs in this section documented up to 14 days.
Combination drugs need to be 'separated' and the appropriate boxes ticked, e.g. Pregaday = iron + folic acid.
- D3a) Nystatin is not documented as an antibiotic.
- D3b) If Anti-D probably given but not documented in the notes, pencil in "not found".

D3p, u) If mini-pill tick progesterone box too.

Page 25 D3r) Aspav: tick Omnopon and "Other" and document "Aspirin".

D3u) Depo-Provera = progesterone.

D3w) If syntocinon was refused document under D1x). If no documentation in the notes, pencil in that you have looked for it. If IVI is still in-situ **only** tick box if it is clear that syntocinon is still running.

D3x) If syntometrine was refused document under D1x0. If no documentation in the notes, pencil in that you have looked for it.

D3zb) Epidural top-up post-partum document here.

D7) Reason for admission and brief description of treatment including drugs. Use back of page 33 if more space is needed.

This is for admissions up to 6 weeks. If admission is within 14 days, document details in the appropriate places in the rest of the questionnaire.

Page 25 D8 Latest BP recorded within 14 days.

cont.

Section E

Page 26 If multiple birth please fill in all of separate Questionnaire CX for 2nd and 3rd babies not just Section E and F as stated here.

- E3c) Retroplacental clot documented here.
True knot in cord documented here.
- E4a) If baby died in delivery room – code 2 and only document as far as F1h) then leave blank until date of discharge F12 - code all 7s, then make a box for 7 at F13 and F14.
If baby born dead – code 3 and then leave all blank until F12 - code 7s and then make box for 7 at F13 and F14.
If baby died after 6 weeks - code 4 and document.
- Page 27 E8 If not the paediatrician's initial examination - code 8s

Section F

- Page 28 F1b) If first breath taken from computer sheet treat as 1min - code box “<1 minute” (“within one minute” on hospital computer records).
- F1c) BMH notes frequently not clear about time of 1st breath; usually have to take data from the computer sheet.
SMD notes frequently document “cry at birth” and “first breath 1-3mins.” as found on computer sheet **but** we document **any** “cry at birth” as “<1 minute”.
- F1f) (i) Bag & Mask = hand ventilation with air (IPPV or Intermittent Positive Pressure Ventilation).
- F1f)(ii) Bag & Mask & O₂ = also IPPV.

F1f)(iv) Facial O₂ only = not IPPV.

F1f)(vi) Ventilation tube down trachea can be attached to bag & mask (operated by hand) or to machine.

F1f)(viii) Ventilation n.o.s = if not clear if ventilated with IPPV by machine or with bag & mask by hand.

Page 29 F1g) Other: do not put Vit. K here, there is another question for it.

F1h)iv) Treatment or investigations to do with resuscitation or meconium ingestion or inhalation document here, including BMstix, NG tubes etc.

“Sucked out on perineum” is documented here.

Above F2 Heading should read “Up until 14 days post-delivery”.

Page 29 F2a) Transitional care is ward 76 at St. Michael's. Sometimes this is not clear, frequently green pen is used by transitional care nurses; if uncertain ask colleagues and make educated guess.

Page 30 F3-F11) If baby is in SCBU for **whole** of 14 days post-natal, do not fill in for that period except for:

- i) Vit. K;
- ii) lowest temp. before going to SCBU;
- iii) feeding at or in the first 24 hours;
- iv) F12 – F15.

Indicate in pencil if looked for and not found.

If out of SCBU within 14 days, complete Questionnaire for days up to 14
not in SCBU.

F3 Feeding at ***or within 24 hours***.

F8 If GP examined hips tick “Yes” but document in pencil “by GP”.

Page 31 F9 Document anything unusual that the baby is born with including forceps marks.

Include here any problems on delivery suite.

Include heart murmurs diagnosed up to 14 days and other congenital conditions, e.g. kidney defects noted on scan. If diagnosed after 14 days document in F15.

Anything acquired after birth is documented in F11.l).

Caput and moulding here, only if diagnosed after delivery.

Anything in delivery suite for baby document here (not temp – tick box).

F11g) Pyrexia at birth document in pencil “at delivery”.

F11.l) Briefly document feeding problems – code c) “Feeding problems” & l) “Other”. Keep feeding problems here cross-referenced to mother’s postnatal problems if necessary.

Document if stated that baby loses 10% or more of birthweight.

Document days post-delivery.

Page 32 F11o)i) Nystatin is not documented as an antibiotic.

F11o)iii) Anything in BNF (1991-1992) is classed as a drug (e.g. almond & olive oil, normal saline); anything else is documented as treatment under F11p)vii) "Other" (e.g. baby oil, fennel drink, Snuffle Babe, Baby Vick).

If Vitamins A & D only found on discharge sheet, document under "Other" as "on discharge sheet only".

F11p)ii) Heat shield is documented under "Other" - it is **not** a cot shield.

F11p)iv) Weston notes frequently document SBR meter when results indicate it is a light meter.

> 17 = abnormal for light meter; **only record abnormal results – document under F11. I).**

Page 32 F12 cont. Date the baby left the hospital in which it was **born** – not the date of leaving a 2nd hospital if within 14 days.

Page 33 F13 a) If baby is discharged to another hospital **with** mother – code 4 (other hospital/unit) and then at F13b) document which one (we pick up if the baby was with the mother on page 25).

If baby died – draw box and code 7.

F14) Reason should include brief summary of re-admissions up to 6 weeks including drugs given.

F15) Any problems and treatment, including drugs for mother or baby

between 14 days and 6 weeks. Use back of page 33 if necessary.

Document post-mortem reports and placental pathology reports here.

The following are **never** to be included:

Braxton Hicks

Bishop's score

Cross-matching

Maternal IVI with: Normal saline

 Dextrose saline

 Hartmann's

Hepflush

Show

Diathermy

Cord blood taken

Coombs test

The following are **not** to be included ***unless associated with problems:***

Smoking

Full blood count

VDRL

Maternal blood for electrophoresis

Vegetarian diet

Kick charts

Venaflow sited

Intravenous infusion sited

Cannula

Blood-stained liquor

Redivac or any Caesar drain

Tattoos

EMLA cream

When a case needs to be “written off” please see separate protocol.

Updated: February 2004

Abbreviations you may use

AFP	Alphafetoprotein
APH	Antepartum haemorrhage
ARM	Artificial rupture of membranes
BMH	Bristol Maternity Hospital renamed as St Michael's
BP/Bp	Blood pressure
CLASP	Collaborative Low-dose Aspirin study
CTG	Cardiotocograph
EBL	Estimated blood loss
ECV	External cephalic version
EDD	Estimated date of delivery
ELCS	Elective Caesarean section
EMCS	Emergency Caesarean section
EMLSCS	Emergency lower section caesarean section
FBS	Foetal blood sample
FH	Foetal heart
FHH	Foetal heart heard

FHHR	Foetal heart heard regular
FM	Foetal movements
FMF	Foetal movements felt
GA	General Anaesthetic
Hb	Haemoglobin
HVS	High vaginal swab
IM	Intramuscular
IUGR	Intra uterine growth retardation
IV	Intravenous
IVI	Intravenous infusion
LMP	First day of last menstrual period
LSCS	Lower segment caesarean section
NAD	Nothing abnormal detected
PET	Pre eclamptic toxæmia may be referred to as pre eclampsia
PPH	Post partum haemorrhage
PR	Per rectum
PROM	Prolonged rupture of membranes
PV	Per vagina
Rx	Treatment
SMD	Southmead Hospital
SMH	Southmead Hospital
SRM	Spontaneous rupture of membranes
TCI	To come in
TOP	Termination of pregnancy
TORCH	Infection screen for Toxoplasmosis, Other, Rubella, Cytomegalovirus and Herpes
URTI	Upper respiratory tract infection

USS	Ultra sound scan
UTI	Urinary tract infection
VE	Vaginal examination

Abbreviations you may sometimes see but cannot use:

ATS	Asked to see
C ₂ HFOH	Ethanol = Alcohol
C/O	Complaining of
IDDM	Insulin-dependent diabetes mellitus
DLC	Draining clear Liquor
EFW	Estimated foetal weight
EMS	Early morning sickness
HWR	Hindwater rupture
IEL	In early labour
LOD	Late onset diabetes
SAB	Spinal anaesthetic block
S/B	Seen by
SOA	Swelling of ankles
SOB	Shortness of breath
TRIAP	To return if any problems
WR	Ward round

Appendix C: Funding for the collection of obstetric information

Funding for the collection of information from the medical records

The abstraction of the full obstetric and neonatal records was funded from 3 types of funding sources: (a) specific project grants for the purpose; (b) as part of the 'core funding' supplied by the MRC and the Wellcome Trust, and (c) using the 'ALSPAC fee' supplied by many of the project grants obtained for the use of ALSPAC data. Below is a summary of the details.

Specific project grants obtained to collect information from the medical records

(i) Title: Twins in a natural experiment to study causes of language delay

PI: Jean Golding, co-applicants: Mike Rutter, Karen Thorpe

Funder: Mental Health Foundation

Funding: £74,149 for 3 years

Aims: 1) To determine the extent and patterning of language impairment in twins, as compared with singletons. 2) To test two main competing hypotheses on the causes of the language impairment found in some twins.
a) that it is consequence of obstetric and perinatal complications, these being more frequent in twins than in singletons.

b) that it is a consequence of the alteration in patterns of postnatal parent-child, and of sib-sib, interaction that arises as a result of having two children of the same age.

Start date: 1992

(ii) Title: Twins in a natural experiment to study causes of language

PI: Jean Golding, co-applicants: Karen Thorpe and Sue Roulstone

Funder: South West Regional Health Authority R & D

Funding: £59,244 for 20 months

Aims: 1) To determine the extent and patterning of language impairment in twins, as compared with singletons. 2) To test two main competing hypotheses on the causes of the language impairment found in some twins.

- a) that it is consequence of obstetric and perinatal complications, these being more frequent in twins than in singletons.
- b) that it is a consequence of the alteration in patterns of postnatal parent-child, and of sib-sib, interaction that arises as a result of having two children of the same age.

This grant (in effect a continuation of ii above) funded the last 6 months of data collection at the 3 year Children in Focus clinic and analyses of these and all other data.

Start date: 1995

- (iii) Title: The association between different types of antenatal care and the mother's anxiety and depression levels.

PI: Jean Golding, co applicants David Jewell, Lindsay Smith, Ian MacGillivray, Helen Francomb

Funder: South & West Regional Health Authority

Funding: £92k over 3 years

Aims: To identify those aspects of maternal antenatal care which are associated with low levels of anxiety and depression and more appropriate health behaviour.

The original intention was to extract data from 3 sets of mutually exclusive women: (a) a random sample of 1500; (b) a sample of 1500 with high scores on depression or anxiety at either of the 2 pregnancy time points or at 8wk or 8m postnatally; (c) a sample of 1500 matched on sample (b) for age, parity, previous obstetric loss and maternal education level.

In the event (see reports to the funder) only (a) and (b) were completed since it was found that the time for data extraction was much longer than had been anticipated.

Start date: 1995

- (iv) Title: Obstetric and medical consequences of teenage pregnancy.

PI: David Jewell; co applicant: Jean Golding

Funder: NHS Executive South & West R and D

Funding: £15,725 for 12 months to fund salaries of abstracting staff to abstract the records of all teenage mothers.

Aims: To quantify the obstetric and medical risks to mothers and infants associated with pregnancy among teenagers after accounting for socioeconomic status, education and social support.

Start date: 1998

(v) Title: Evidence of the long-term consequences of caesarean section is required to allow informed maternal choice

PI: Gordon Stirrat; co applicant: Jean Golding

Funder: BUPA Foundation

Funding: £80,000 over 2 years to abstract two-thirds of the CS records remaining (out of 1536), which were to be compared with 3000 controls already extracted.

Aims: To investigate 3 potential long-term consequences of caesarean section

(a) impaired reproductive capacity

(b) increased risk of subsequent miscarriage, ectopic pregnancy, congenital malformations, intrauterine growth retardation, pre-term delivery, perinatal mortality and, possibly, placenta praevia

(c) maternal morbidity, looking in particular at severe backache, urinary symptoms, dyspareunia and pelvic pain

Start date: 1999

(vi) Title: Fetal loss in a multiple pregnancy: a possible cause of cerebral palsy.

PI: Peter Pharoah, Dept. Public Health, University of Liverpool

Bristol co applicants: Helen Porter, Jem Berry, Jean Golding, Alan Emond

Funder: Children Nationwide/National Lottery

Funding: The grant to Peter Pharoah was £273k but ALSPAC received £37000 as a fee for 1 year

Aims: To determine whether children with cerebral palsy may be from a multiple pregnancy from which one fetus died early but was not recognised.

In Bristol the study was to (a) abstract medical records of women who had either had a child with cerebral palsy or had been told that they might be expecting twins but actually bore a singleton; and (b) to examine the

placentae of these offspring for signs of a fetus paparyceous or other placental abnormality.

Start date: 2000

- (vii) Title: Factor V Leiden and adverse pregnancy outcome: a ALSPAC nested case-control study

PI: Rodney Scott and Tracey Dudding, University of Newcastle, N.S.W., Australia

Funder: NHMRC via University of Newcastle

Funding: £43,215 for 1 year, genotyping and linkage costs

Aims: Primary hypotheses. The presence of heterozygosity or homozygosity for Factor V Leiden mutation 1) in the mother is associated with an increased risk of IUGR or pre-eclampsia and 2) in the fetus is associated with an increased risk of IUGR or pre-eclampsia.

Start date: 2004

- viii) Title: Investigating genetic and epidemiological risk factors for sub-clinical psychosis-like symptoms (PLIKS) in a birth cohort study

PI: Stan Zammit

Funder: Dept Health National Clinical Scientist. Award for 3 yrs

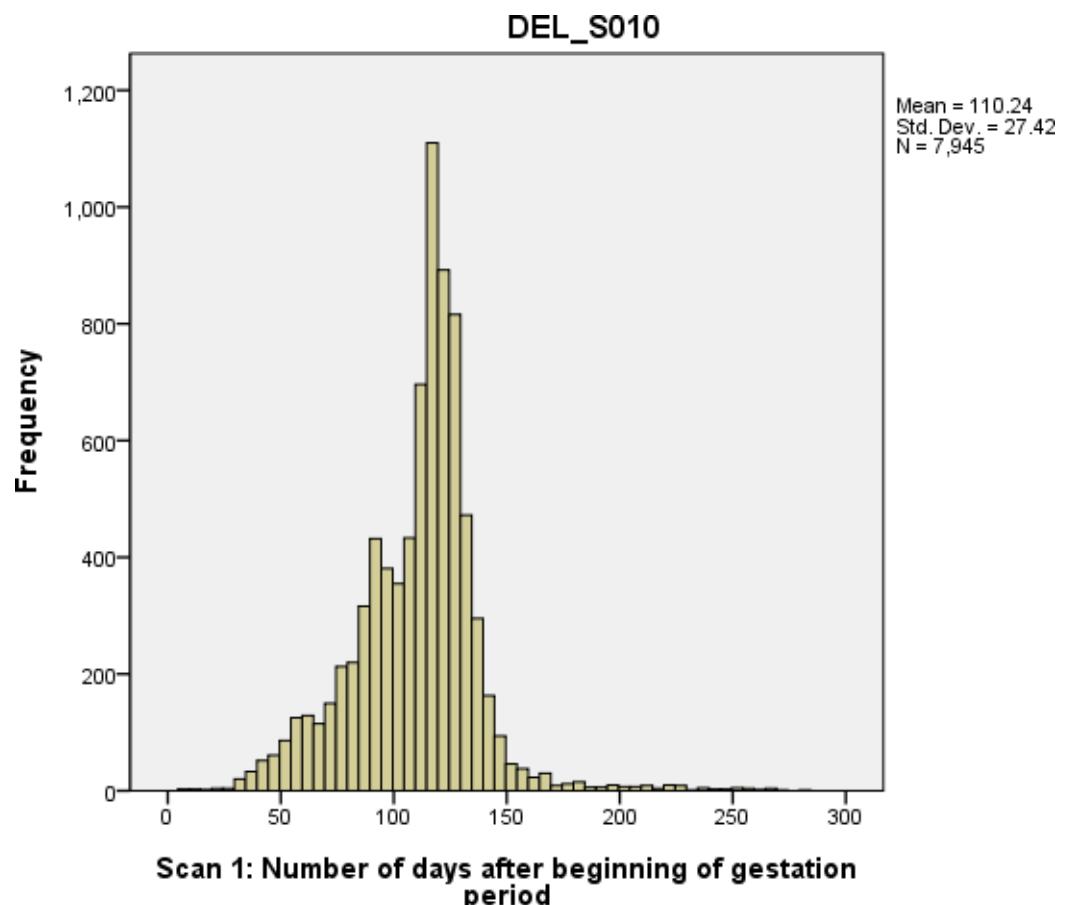
Funding: £558,398 (mainly the PI's salary)

Aims:

Start date: 2006

N.B. The information on the antenatal measurements for the remainder of the ALSPAC pregnancies were abstracted using funding from NIH and the Wellcome Trust (see Appendix F).

Appendix D: The results of the ultrasound examination



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S010 Scan 1: Number of days after beginning of gestation period	7945	274	7	281	110.24	27.420
Valid N (listwise)	7945					

DEL_S011 sc1type: Scan 1: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	143	.7	2.7	2.7
	2 B: Dating scan	246	1.2	4.7	7.5
	3 C: Departmental	467	2.4	9.0	16.4
	4 D: Doppler	9	.0	.2	16.6
	5 E: Follow-up scan	29	.1	.6	17.1
	6 F: Mini scan	268	1.4	5.1	22.3
	7 G: Private scan	2	.0	.0	22.3
	8 H: Real time scan	492	2.5	9.4	31.8
	9 I: Routine scan	3178	16.1	61.0	92.7
	10 J: 'Survey' scan	364	1.8	7.0	99.7
	11 K: Trans-vaginal	16	.1	.3	100.0
Missing	Total	5214	26.3	100.0	
	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-1 Not answered	3154	15.9		
Total	Total	14574	73.7		
		19788	100.0		

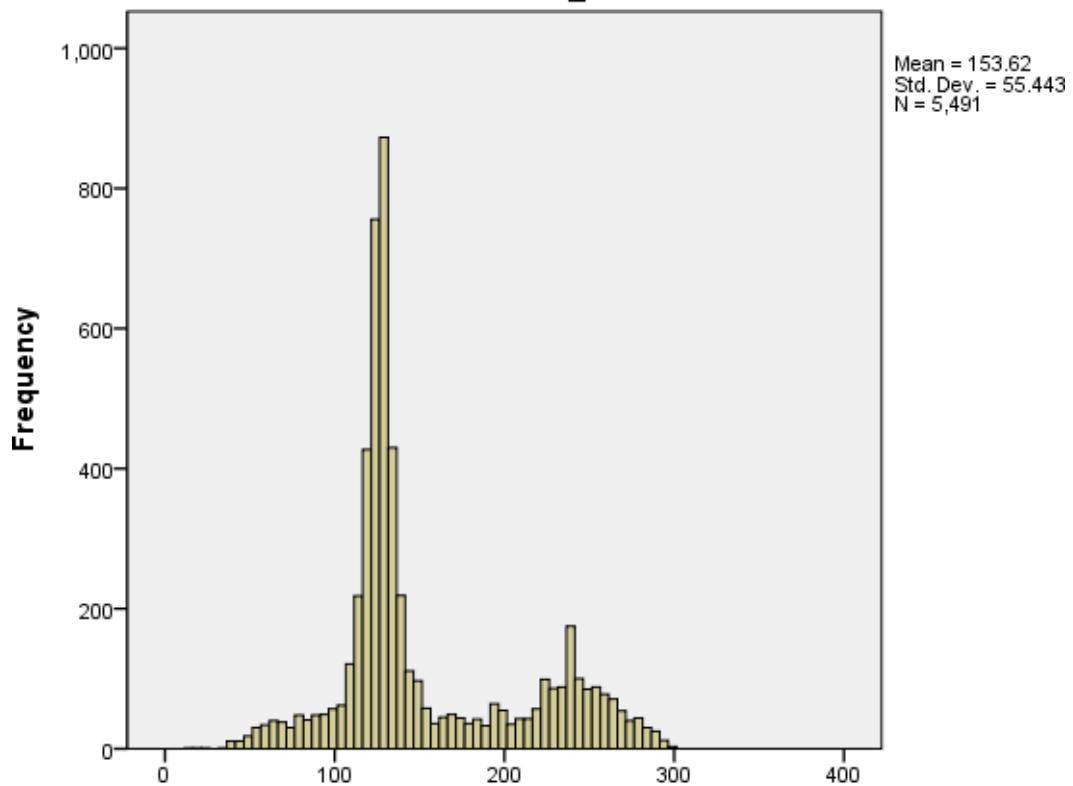
DEL_S012 sc1reas: Scan 1: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	45	.2	.6	.6
	2 Amniocentesis	18	.1	.2	.9
	3 Biophysical profile	4	.0	.1	.9
	4 Bleeding	113	.6	1.6	2.5
	5 Choroid plexus seen on previous scan	1	.0	.0	2.5
	6 CVS	18	.1	.2	2.8
	7 Dates	1966	9.9	27.2	29.9
	8 Fetal anomaly/anatomy	4463	22.6	61.7	91.6
	9 Fetal growth	42	.2	.6	92.2
	10 Fetal movements	2	.0	.0	92.2
	11 Multiple pregnancy	6	.0	.1	92.3
	12 Pelvimetry	2	.0	.0	92.3
	13 Placental location	6	.0	.1	92.4
	14 Presentation of baby	9	.0	.1	92.5
	21 Multiple reasons	65	.3	.9	93.4
	22 Liquor volume	2	.0	.0	93.4
	24 Fetal well being	24	.1	.3	93.8
	25 Viability	391	2.0	5.4	99.2
	26 As part of fertility regime	40	.2	.6	99.7
	27 Suspected fetal abnormality	19	.1	.3	100.0
	Total	7236	36.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	1134	5.7		
	Total	12552	63.4		
Total		19788	100.0		

DEL_S013 sc1rslt: Scan 1: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	4419	22.3	54.5	54.5
	2 Abnormal	3684	18.6	45.5	100.0
	Total	8103	40.9	100.0	
	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	266	1.3		
Missing	Total	11685	59.1		
	Total	19788	100.0		

DEL_S020



Scan 2: Number of days after beginning of gestation period

	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S020 Scan 2: Number of days after beginning of gestation period	5491	286	14	300	153.62	55.443
Valid N (listwise)	5491					

DEL_S021 sc2type: Scan 2: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	56	.3	1.4	1.4
	2 B: Dating scan	35	.2	.9	2.3
	3 C: Departmental	282	1.4	7.1	9.4
	4 D: Doppler	22	.1	.6	10.0
	5 E: Follow-up scan	1190	6.0	30.0	40.0
	6 F: Mini scan	35	.2	.9	40.9
	7 G: Private scan	3	.0	.1	40.9
	8 H: Real time scan	137	.7	3.5	44.4

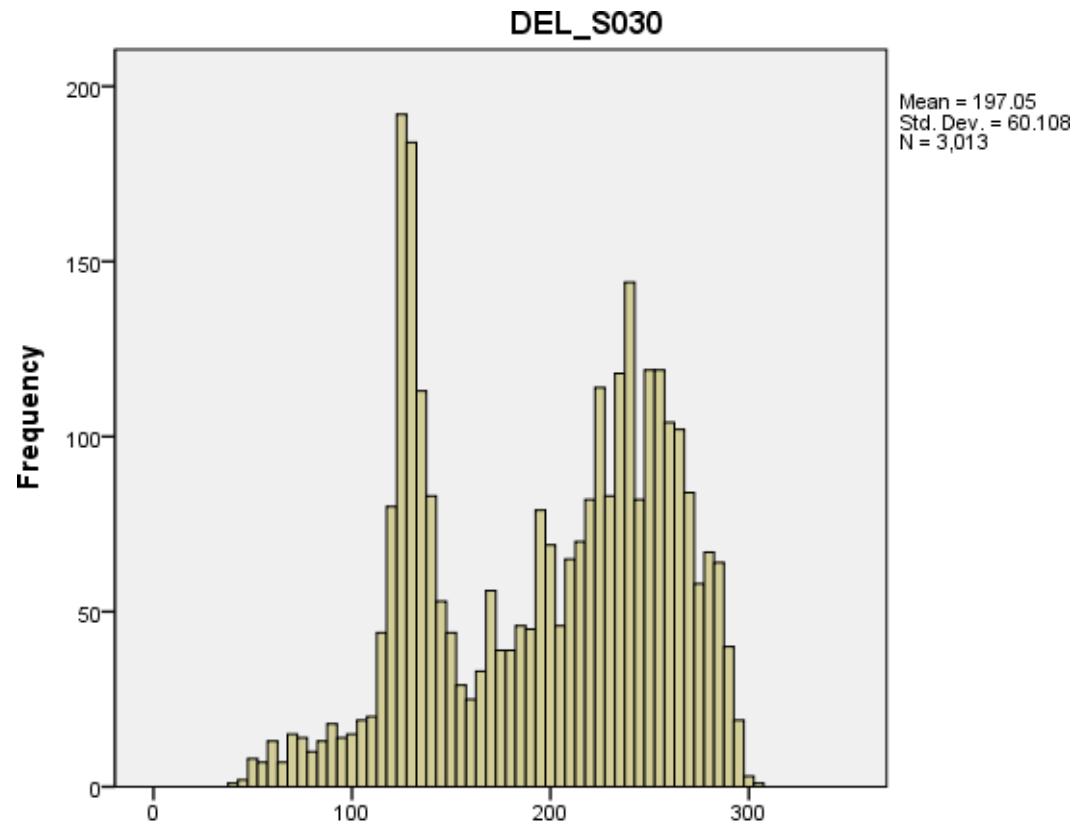
	9 I: Routine scan	2070	10.5	52.2	96.6
	10 J: 'Survey' scan	123	.6	3.1	99.7
	11 K: Trans-vaginal	12	.1	.3	100.0
	Total	3965	20.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	4405	22.3		
	Total	15823	80.0		
Total		19788	100.0		

DEL_S022 sc2reas: Scan 2: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	60	.3	1.2	1.2
	2 Amniocentesis	120	.6	2.3	3.5
	3 Biophysical profile	46	.2	.9	4.4
	4 Bleeding	106	.5	2.0	6.4
	5 Choroid plexus seen on previous scan	33	.2	.6	7.0
	6 CVS	29	.1	.6	7.6
	7 Dates	254	1.3	4.9	12.5
	8 Fetal anomaly/anatomy	2851	14.4	55.0	67.5
	9 Fetal growth	667	3.4	12.9	80.3
	10 Fetal movements	16	.1	.3	80.6
	11 Multiple pregnancy	13	.1	.3	80.9
	12 Pelvimetry	63	.3	1.2	82.1
	13 Placental location	268	1.4	5.2	87.3
	14 Presentation of baby	151	.8	2.9	90.2
	21 Multiple reasons	155	.8	3.0	93.2
	22 Liquor volume	27	.1	.5	93.7
	24 Fetal well being	106	.5	2.0	95.7
	25 Viability	142	.7	2.7	98.5
	26 As part of fertility regime	20	.1	.4	98.9
	27 Suspected fetal abnormality	59	.3	1.1	100.0
	Total	5186	26.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	3184	16.1		
	Total	14602	73.8		
Total		19788	100.0		

DEL_S023 sc2rslt: Scan 2: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	2955	14.9	53.6	53.6
	2 Abnormal	2562	12.9	46.4	100.0
	Total	5517	27.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	2853	14.4		
	Total	14271	72.1		
Total		19788	100.0		



Scan 3: Number of days after beginning of gestation period

	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S030 Scan 3: Number of days after beginning of gestation period	3013	263	40	303	197.05	60.108
Valid N (listwise)	3013					

DEL_S031 sc3type: Scan 3: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	44	.2	2.1	2.1
	2 B: Dating scan	3	.0	.1	2.3
	3 C: Departmental	152	.8	7.4	9.6
	4 D: Doppler	68	.3	3.3	12.9
	5 E: Follow-up scan	1119	5.7	54.2	67.2
	6 F: Mini scan	33	.2	1.6	68.8
	8 H: Real time scan	176	.9	8.5	77.3
	9 I: Routine scan	442	2.2	21.4	98.7
	10 J: 'Survey' scan	18	.1	.9	99.6
	11 K: Trans-vaginal	8	.0	.4	100.0
	Total	2063	10.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	6307	31.9		
	Total	17725	89.6		

DEL_S031 sc3type: Scan 3: Type of scan

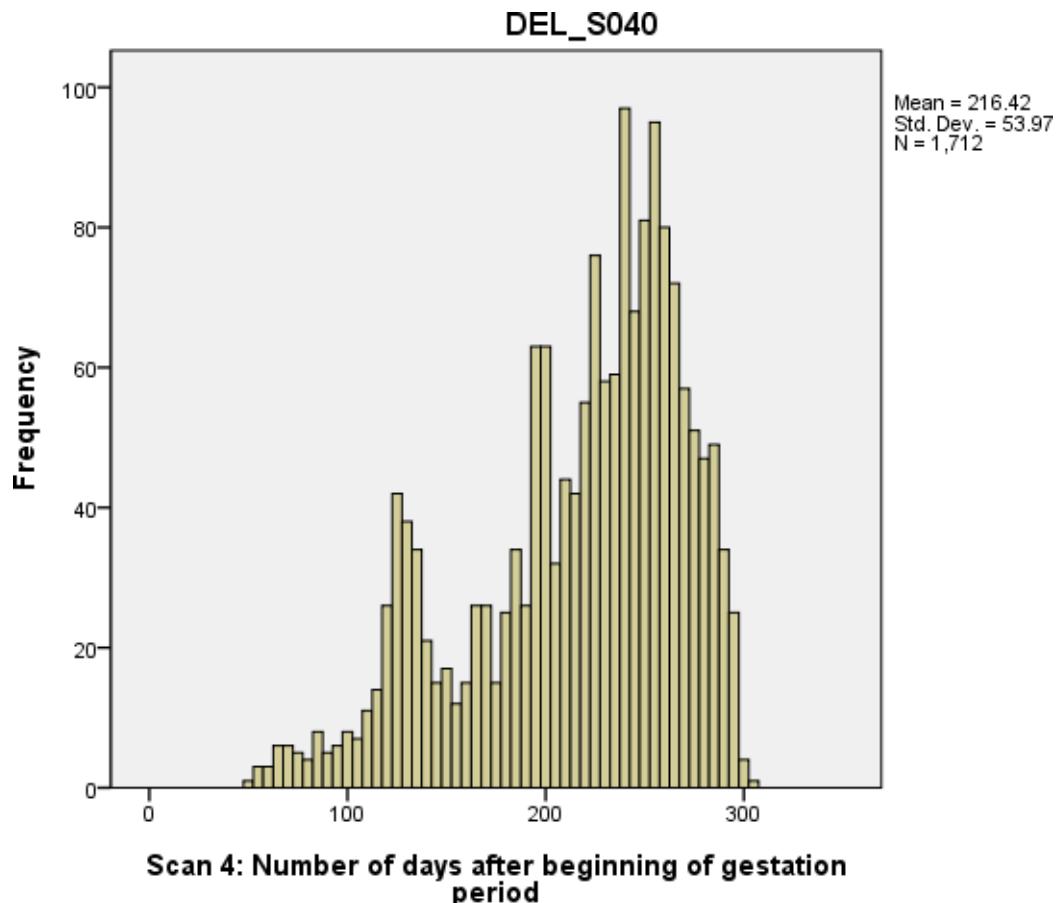
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	44	.2	2.1	2.1
	2 B: Dating scan	3	.0	.1	2.3
	3 C: Departmental	152	.8	7.4	9.6
	4 D: Doppler	68	.3	3.3	12.9
	5 E: Follow-up scan	1119	5.7	54.2	67.2
	6 F: Mini scan	33	.2	1.6	68.8
	8 H: Real time scan	176	.9	8.5	77.3
	9 I: Routine scan	442	2.2	21.4	98.7
	10 J: 'Survey' scan	18	.1	.9	99.6
	11 K: Trans-vaginal	8	.0	.4	100.0
	Total	2063	10.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	6307	31.9		
	Total	17725	89.6		
Total		19788	100.0		

DEL_S032 sc3reas: Scan 3: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	57	.3	2.0	2.0
	2 Amniocentesis	61	.3	2.2	4.2
	3 Biophysical profile	125	.6	4.4	8.6
	4 Bleeding	97	.5	3.4	12.0
	5 Choroid plexus seen on previous scan	33	.2	1.2	13.2
	6 CVS	9	.0	.3	13.5
	7 Dates	57	.3	2.0	15.5
	8 Fetal anomaly/anatomy	603	3.0	21.3	36.8
	9 Fetal growth	815	4.1	28.8	65.7
	10 Fetal movements	16	.1	.6	66.2
	11 Multiple pregnancy	6	.0	.2	66.4
	12 Pelvimetry	76	.4	2.7	69.1
	13 Placental location	192	1.0	6.8	75.9
	14 Presentation of baby	200	1.0	7.1	83.0
	21 Multiple reasons	125	.6	4.4	87.4
	22 Liquor volume	74	.4	2.6	90.0
	23 Pre-eclampsia symptoms queried	1	.0	.0	90.1
	24 Fetal well being	143	.7	5.1	95.1
	25 Viability	59	.3	2.1	97.2
	26 As part of fertility regime	8	.0	.3	97.5
	27 Suspected fetal abnormality	71	.4	2.5	100.0
	Total	2828	14.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	5542	28.0		
	Total	16960	85.7		
Total		19788	100.0		

DEL_S033 sc3rslt: Scan 3: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	1665	8.4	55.2	55.2
	2 Abnormal	1349	6.8	44.8	100.0
	Total	3014	15.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	5356	27.1		
	Total	16774	84.8		
Total		19788	100.0		



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S040 Scan 4: Number of days after beginning of gestation period	1712	253	50	303	216.42	53.970
Valid N (listwise)	1712					

DEL_S041 sc4type: Scan 4: Type of scan					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	24	.1	1.9	1.9
	2 B: Dating scan	3	.0	.2	2.1
	3 C: Departmental	90	.5	7.1	9.2
	4 D: Doppler	108	.5	8.5	17.6
	5 E: Follow-up scan	776	3.9	60.9	78.5
	6 F: Mini scan	27	.1	2.1	80.6
	8 H: Real time scan	136	.7	10.7	91.3

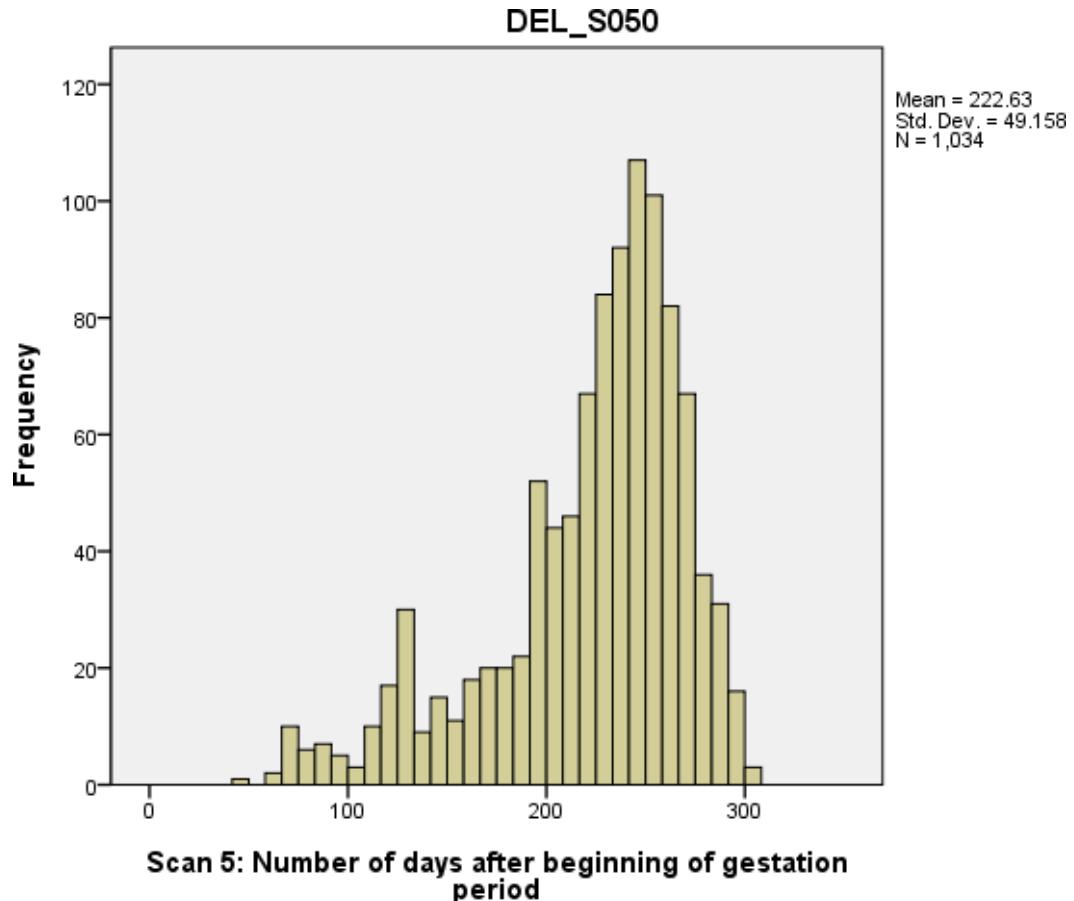
	9 I: Routine scan	103	.5	8.1	99.4
	10 J: 'Survey' scan	6	.0	.5	99.8
	11 K: Trans-vaginal	2	.0	.2	100.0
	Total	1275	6.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	7095	35.9		
	Total	18513	93.6		
Total		19788	100.0		

DEL_S042 sc4reas: Scan 4: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	43	.2	2.7	2.7
	2 Amniocentesis	20	.1	1.2	3.9
	3 Biophysical profile	129	.7	8.0	11.9
	4 Bleeding	46	.2	2.9	14.8
	5 Choroid plexus seen on previous scan	8	.0	.5	15.3
	6 CVS	4	.0	.2	15.5
	7 Dates	15	.1	.9	16.4
	8 Fetal anomaly/anatomy	157	.8	9.7	26.2
	9 Fetal growth	599	3.0	37.1	63.3
	10 Fetal movements	11	.1	.7	64.0
	11 Multiple pregnancy	7	.0	.4	64.4
	12 Pelvimetry	61	.3	3.8	68.2
	13 Placental location	65	.3	4.0	72.2
	14 Presentation of baby	98	.5	6.1	78.3
	21 Multiple reasons	91	.5	5.6	83.9
	22 Liquor volume	34	.2	2.1	86.1
	24 Fetal well being	152	.8	9.4	95.5
	25 Viability	29	.1	1.8	97.3
	26 As part of fertility regime	2	.0	.1	97.4
	27 Suspected fetal abnormality	42	.2	2.6	100.0
	Total	1613	8.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	6756	34.1		
	Total	18175	91.8		
Total		19788	100.0		

DEL_S043 sc4rslt: Scan 4: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	915	4.6	53.7	53.7
	2 Abnormal	789	4.0	46.3	100.0
	Total	1704	8.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	6666	33.7		
	Total	18084	91.4		
Total		19788	100.0		



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S050 Scan 5: Number of days after beginning of gestation period	1034	254	49	303	222.63	49.158
Valid N (listwise)	1034					

DEL_S051 sc5type: Scan 5: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	17	.1	2.1	2.1
	2 B: Dating scan	3	.0	.4	2.5
	3 C: Departmental	54	.3	6.8	9.3
	4 D: Doppler	103	.5	12.9	22.2
	5 E: Follow-up scan	464	2.3	58.1	80.3
	6 F: Mini scan	10	.1	1.3	81.6
	7 G: Private scan	1	.0	.1	81.7
	8 H: Real time scan	86	.4	10.8	92.5
	9 I: Routine scan	50	.3	6.3	98.7
	10 J: 'Survey' scan	3	.0	.4	99.1
	11 K: Trans-vaginal	7	.0	.9	100.0
Missing	Total	798	4.0	100.0	
	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	7571	38.3		
Total	Total	18990	96.0		
		19788	100.0		

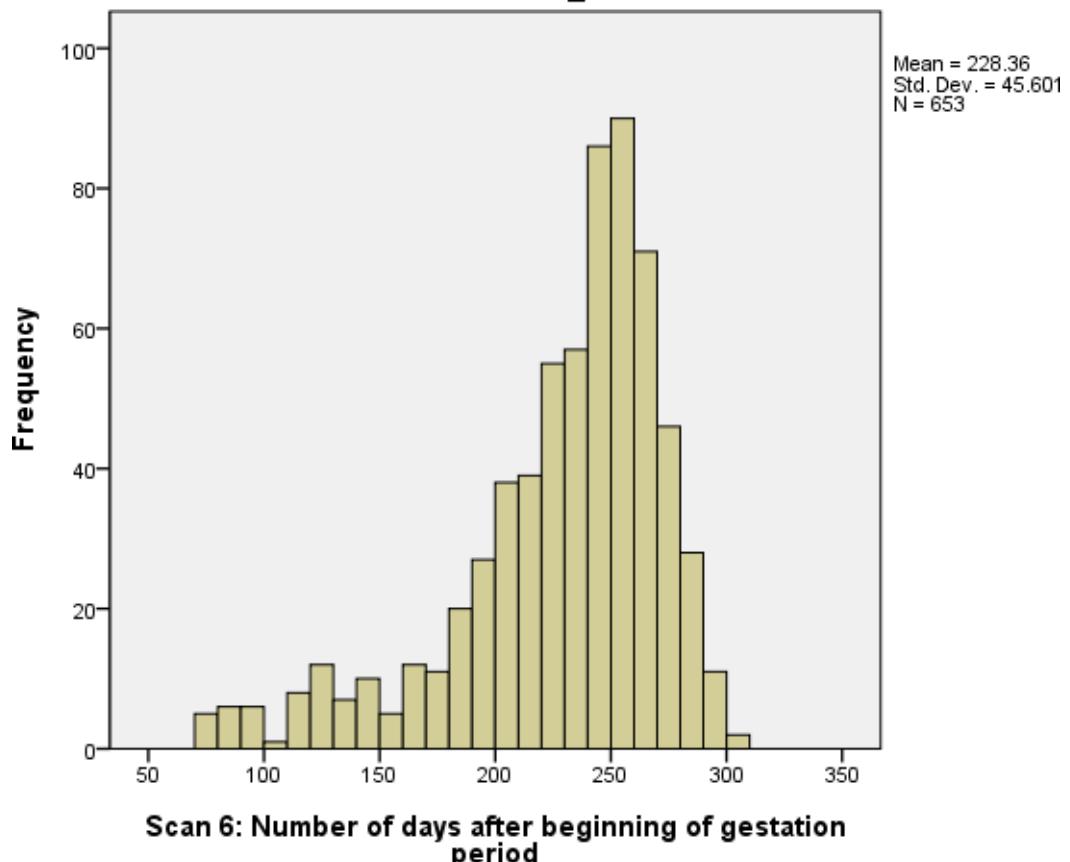
DEL_S052 sc5reas: Scan 5: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	19	.1	1.9	1.9
	2 Amniocentesis	10	.1	1.0	2.9
	3 Biophysical profile	73	.4	7.4	10.4
	4 Bleeding	30	.2	3.0	13.4
	5 Choroid plexus seen on previous scan	4	.0	.4	13.8
	6 CVS	2	.0	.2	14.0
	7 Dates	13	.1	1.3	15.3
	8 Fetal anomaly/anatomy	59	.3	6.0	21.3
	9 Fetal growth	388	2.0	39.4	60.8
	10 Fetal movements	4	.0	.4	61.2
	11 Multiple pregnancy	5	.0	.5	61.7
	12 Pelvimetry	35	.2	3.6	65.2
	13 Placental location	33	.2	3.4	68.6
	14 Presentation of baby	59	.3	6.0	74.6
	21 Multiple reasons	49	.2	5.0	79.6
	22 Liquor volume	22	.1	2.2	81.8
	24 Fetal well being	140	.7	14.2	96.0
	25 Viability	21	.1	2.1	98.2
	26 As part of fertility regime	2	.0	.2	98.4
	27 Suspected fetal abnormality	16	.1	1.6	100.0
Missing	Total	984	5.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	7386	37.3		
Total	Total	18804	95.0		
		19788	100.0		

DEL_S053 sc5rslt: Scan 5: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	534	2.7	52.1	52.1
	2 Abnormal	491	2.5	47.9	100.0
	Total	1025	5.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	7344	37.1		
Total	Total	18763	94.8		
		19788	100.0		

DEL_S060



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S060 Scan 6: Number of days after beginning of gestation period	653	231	71	302	228.36	45.601
Valid N (listwise)	653					

DEL_S061 sc6type: Scan 6: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	11	.1	2.1	2.1
	2 B: Dating scan	1	.0	.2	2.3
	3 C: Departmental	25	.1	4.8	7.1
	4 D: Doppler	94	.5	17.9	25.0
	5 E: Follow-up scan	285	1.4	54.4	79.4
	6 F: Mini scan	6	.0	1.1	80.5
	8 H: Real time scan	71	.4	13.5	94.1
	9 I: Routine scan	24	.1	4.6	98.7
	10 J: 'Survey' scan	2	.0	.4	99.0
	11 K: Trans-vaginal	5	.0	1.0	100.0
	Total	524	2.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	7845	39.6		
	Total	19264	97.4		
Total		19788	100.0		

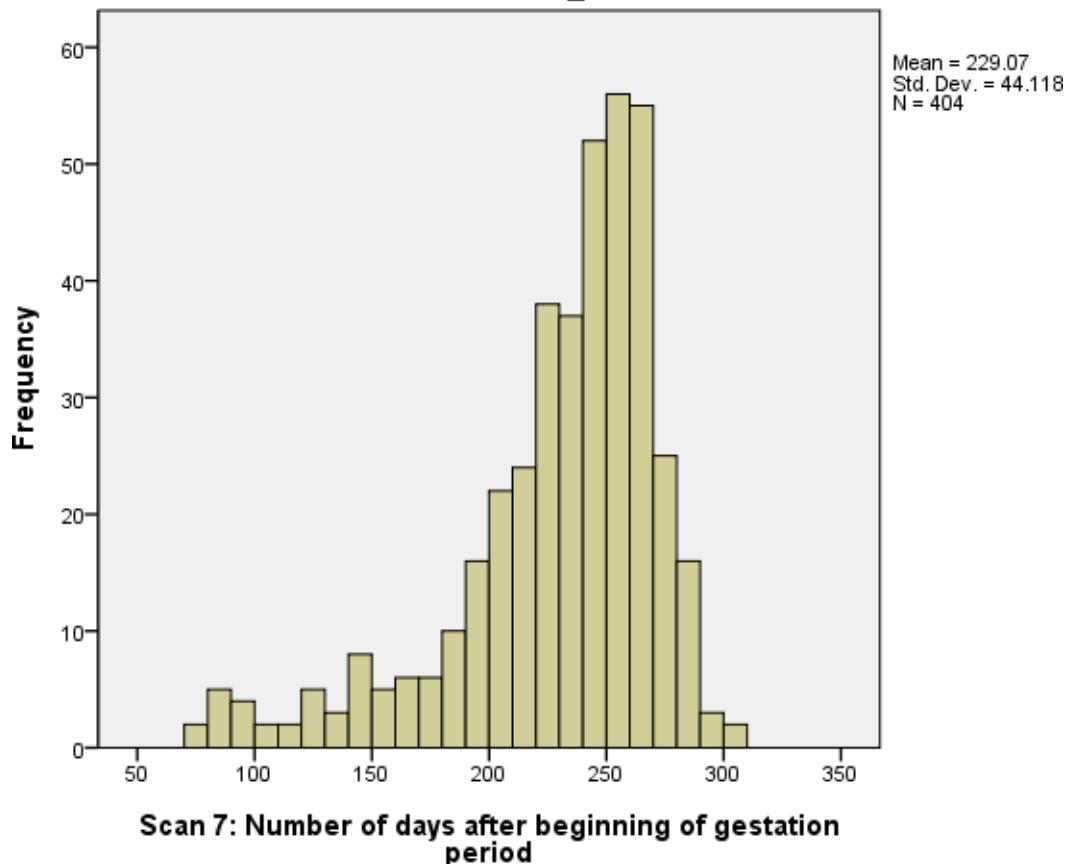
DEL_S062 sc6reas: Scan 6: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	14	.1	2.2	2.2
	2 Amniocentesis	3	.0	.5	2.7
	3 Biophysical profile	65	.3	10.4	13.1
	4 Bleeding	18	.1	2.9	16.0
	6 CVS	1	.0	.2	16.2
	7 Dates	7	.0	1.1	17.3
	8 Fetal anomaly/anatomy	38	.2	6.1	23.4
	9 Fetal growth	231	1.2	37.0	60.3
	10 Fetal movements	2	.0	.3	60.6
	11 Multiple pregnancy	2	.0	.3	61.0
	12 Pelvimetry	7	.0	1.1	62.1
	13 Placental location	16	.1	2.6	64.6
	14 Presentation of baby	43	.2	6.9	71.5
	21 Multiple reasons	33	.2	5.3	76.8
	22 Liquor volume	16	.1	2.6	79.4
	23 Pre-eclampsia symptoms queried	1	.0	.2	79.5
	24 Fetal well being	105	.5	16.8	96.3
	25 Viability	12	.1	1.9	98.2
	26 As part of fertility regime	1	.0	.2	98.4
	27 Suspected fetal abnormality	10	.1	1.6	100.0
	Total	625	3.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	7745	39.1		
	Total	19163	96.8		
Total		19788	100.0		

DEL_S063 sc6rslt: Scan 6: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	316	1.6	49.3	49.3
	2 Abnormal	325	1.6	50.7	100.0
	Total	641	3.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	7729	39.1		
	Total	19147	96.8		
Total		19788	100.0		

DEL_S070



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S070 Scan 7: Number of days after beginning of gestation period	404	226	74	300	229.07	44.118
Valid N (listwise)	404					

DEL_S071 sc7type: Scan 7: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	6	.0	1.8	1.8
	2 B: Dating scan	1	.0	.3	2.1
	3 C: Departmental	11	.1	3.3	5.5
	4 D: Doppler	60	.3	18.2	23.7
	5 E: Follow-up scan	181	.9	55.0	78.7
	6 F: Mini scan	4	.0	1.2	79.9
	8 H: Real time scan	54	.3	16.4	96.4
	9 I: Routine scan	10	.1	3.0	99.4
	10 J: 'Survey' scan	1	.0	.3	99.7
	11 K: Trans-vaginal	1	.0	.3	100.0
	Total	329	1.7	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	1	.0		
	-1 Not answered	8040	40.6		
	Total	19459	98.3		
Total		19788	100.0		

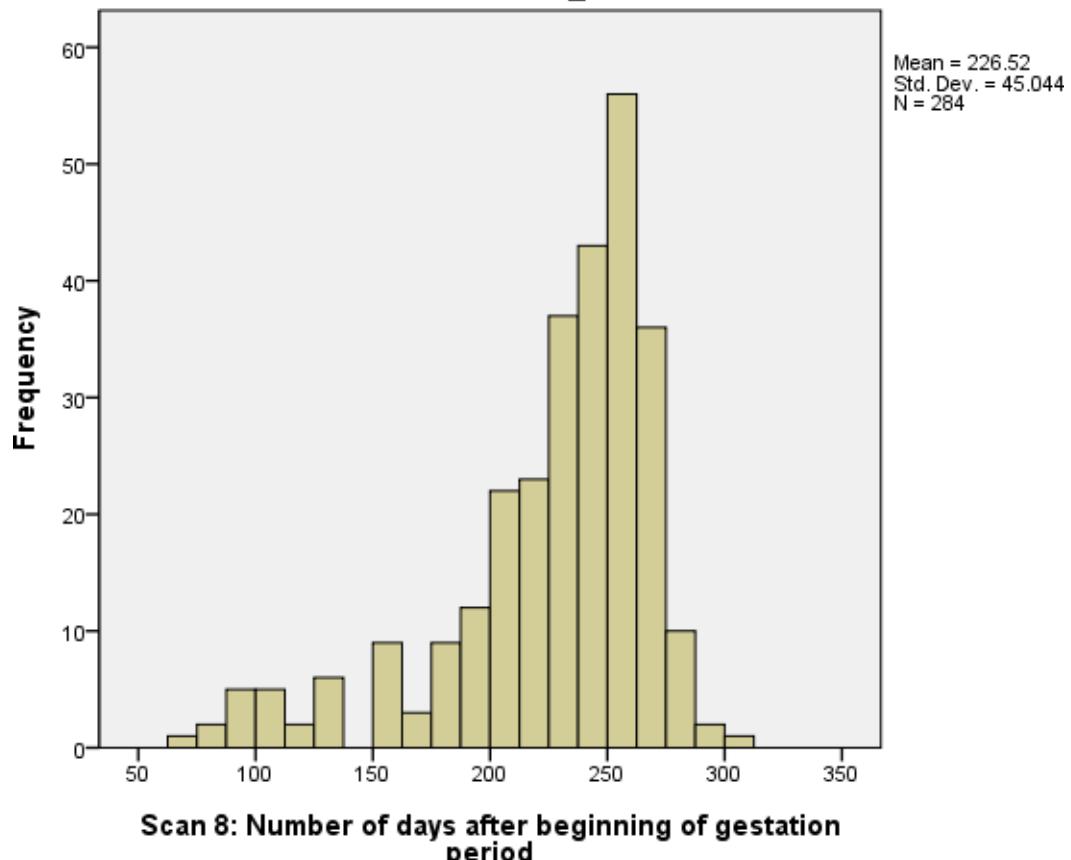
DEL_S072 sc7reas: Scan 7: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	10	.1	2.6	2.6
	2 Amniocentesis	1	.0	.3	2.9
	3 Biophysical profile	52	.3	13.6	16.5
	4 Bleeding	9	.0	2.4	18.8
	6 CVS	1	.0	.3	19.1
	7 Dates	4	.0	1.0	20.2
	8 Fetal anomaly/anatomy	13	.1	3.4	23.6
	9 Fetal growth	142	.7	37.2	60.7
	10 Fetal movements	2	.0	.5	61.3
	11 Multiple pregnancy	1	.0	.3	61.5
	12 Pelvimetry	7	.0	1.8	63.4
	13 Placental location	8	.0	2.1	65.4
	14 Presentation of baby	16	.1	4.2	69.6
	21 Multiple reasons	24	.1	6.3	75.9
	22 Liquor volume	4	.0	1.0	77.0
	24 Fetal well being	71	.4	18.6	95.5
	25 Viability	8	.0	2.1	97.6
	27 Suspected fetal abnormality	9	.0	2.4	100.0
	Total	382	1.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	7988	40.4		
	Total	19406	98.1		
Total		19788	100.0		

DEL_S073 sc7rslt: Scan 7: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	176	.9	44.6	44.6
	2 Abnormal	219	1.1	55.4	100.0
	Total	395	2.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	7975	40.3		
	Total	19393	98.0		
Total		19788	100.0		

DEL_S080



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S080 Scan 8: Number of days after beginning of gestation period	284	228	72	300	226.52	45.044
Valid N (listwise)	284					

DEL_S081 sc8type: Scan 8: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	5	.0	2.1	2.1
	2 B: Dating scan	1	.0	.4	2.5
	3 C: Departmental	8	.0	3.4	5.9
	4 D: Doppler	69	.3	29.2	35.2
	5 E: Follow-up scan	106	.5	44.9	80.1
	6 F: Mini scan	1	.0	.4	80.5
	8 H: Real time scan	41	.2	17.4	97.9
	9 I: Routine scan	4	.0	1.7	99.6
	11 K: Trans-vaginal	1	.0	.4	100.0
	Total	236	1.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8134	41.1		
	Total	19552	98.8		
Total		19788	100.0		

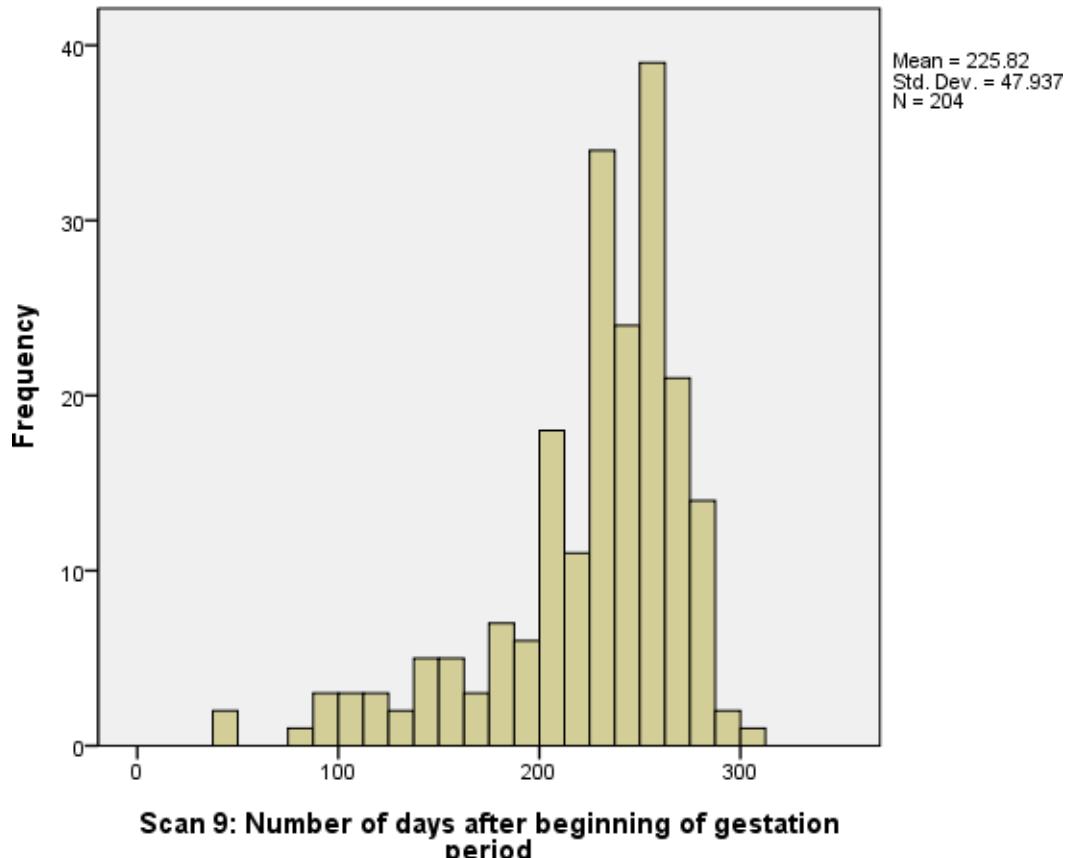
DEL_S082 sc8reas: Scan 8: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	13	.1	4.7	4.7
	2 Amniocentesis	5	.0	1.8	6.5
	3 Biophysical profile	38	.2	13.6	20.1
	4 Bleeding	50	.3	17.9	38.0
	5 Choroid plexus seen on previous scan	6	.0	2.2	40.1
	7 Dates	1	.0	.4	40.5
	8 Fetal anomaly/anatomy	7	.0	2.5	43.0
	9 Fetal growth	83	.4	29.7	72.8
	11 Multiple pregnancy	1	.0	.4	73.1
	12 Pelvimetry	2	.0	.7	73.8
	13 Placental location	3	.0	1.1	74.9
	14 Presentation of baby	10	.1	3.6	78.5
	21 Multiple reasons	9	.0	3.2	81.7
	22 Liquor volume	4	.0	1.4	83.2
	24 Fetal well being	42	.2	15.1	98.2
	25 Viability	3	.0	1.1	99.3
	27 Suspected fetal abnormality	2	.0	.7	100.0
	Total	279	1.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8091	40.9		
	Total	19509	98.6		
Total		19788	100.0		

DEL_S083 sc8rslt: Scan 8: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	117	.6	41.8	41.8
	2 Abnormal	163	.8	58.2	100.0
	Total	280	1.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8090	40.9		
	Total	19508	98.6		
Total		19788	100.0		

DEL_S090



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S090 Scan 9: Number of days after beginning of gestation period	204	260	42	302	225.82	47.937
Valid N (listwise)	204					

DEL_S091 sc9type: Scan 9: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	6	.0	3.4	3.4
	2 B: Dating scan	1	.0	.6	4.0
	3 C: Departmental	3	.0	1.7	5.7
	4 D: Doppler	55	.3	31.6	37.4
	5 E: Follow-up scan	71	.4	40.8	78.2
	6 F: Mini scan	2	.0	1.1	79.3
	8 H: Real time scan	30	.2	17.2	96.6
	9 I: Routine scan	4	.0	2.3	98.9
	11 K: Trans-vaginal	2	.0	1.1	100.0
	Total	174	.9	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8196	41.4		
	Total	19614	99.1		
Total		19788	100.0		

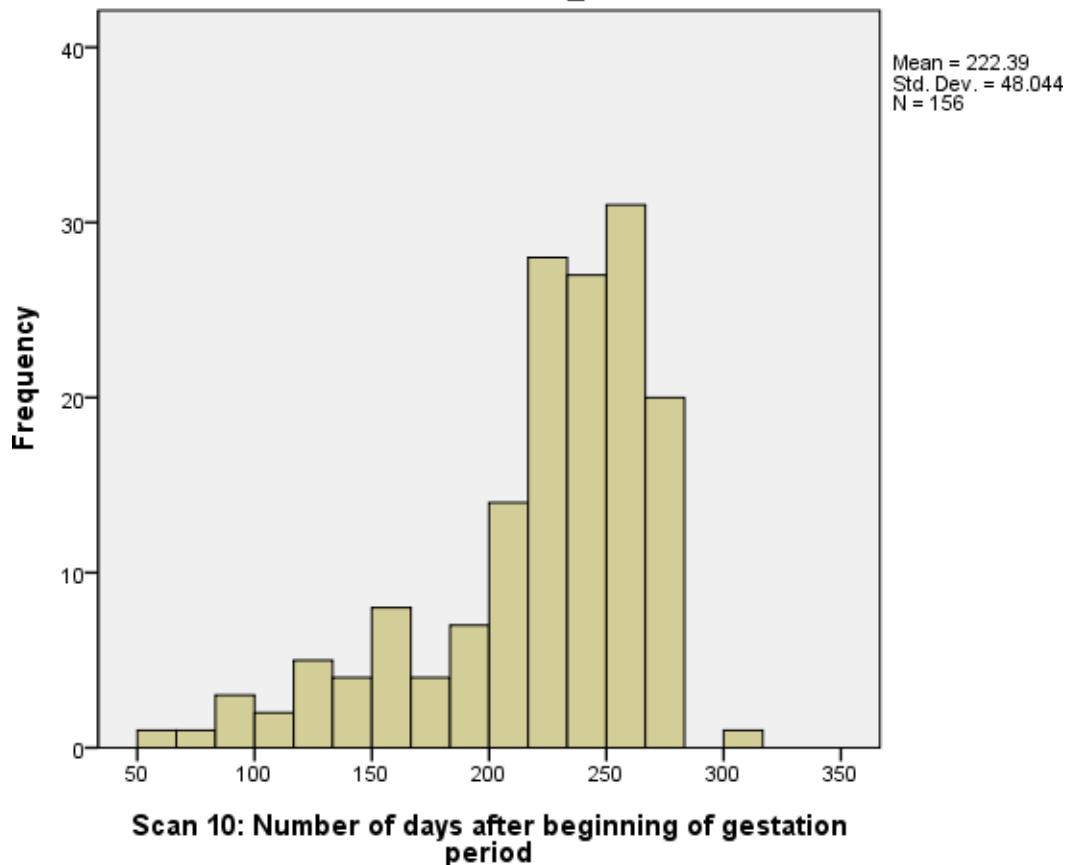
DEL_S092 sc9reas: Scan 9: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g.	3	.0	1.5	1.5
	Fibroids, ovarian cysts				
	3 Biophysical profile	31	.2	15.7	17.3
	4 Bleeding	6	.0	3.0	20.3
	7 Dates	1	.0	.5	20.8
	8 Fetal anomaly/anatomy	4	.0	2.0	22.8
	9 Fetal growth	57	.3	28.9	51.8
	10 Fetal movements	1	.0	.5	52.3
	12 Pelvimetry	1	.0	.5	52.8
	13 Placental location	2	.0	1.0	53.8
	14 Presentation of baby	7	.0	3.6	57.4
	21 Multiple reasons	9	.0	4.6	61.9
	22 Liquor volume	6	.0	3.0	65.0
	24 Fetal well being	62	.3	31.5	96.4
	25 Viability	5	.0	2.5	99.0
	27 Suspected fetal abnormality	2	.0	1.0	100.0
	Total	197	1.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8173	41.3		
	Total	19591	99.0		
Total		19788	100.0		

DEL_S093 sc9rslt: Scan 9: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	86	.4	43.7	43.7
	2 Abnormal	111	.6	56.3	100.0
	Total	197	1.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8173	41.3		
	Total	19591	99.0		
Total		19788	100.0		

DEL_S100



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S100 Scan 10: Number of days after beginning of gestation period	156	244	58	302	222.39	48.044
Valid N (listwise)	156					

DEL_S101 sc10type: Scan 10: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	3	.0	2.1	2.1
	2 B: Dating scan	1	.0	.7	2.8
	3 C: Departmental	5	.0	3.5	6.3
	4 D: Doppler	43	.2	30.3	36.6
	5 E: Follow-up scan	55	.3	38.7	75.4
	6 F: Mini scan	1	.0	.7	76.1
	8 H: Real time scan	28	.1	19.7	95.8
	9 I: Routine scan	4	.0	2.8	98.6
	11 K: Trans-vaginal	2	.0	1.4	100.0
	Total	142	.7	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8228	41.6		
	Total	19646	99.3		
Total		19788	100.0		

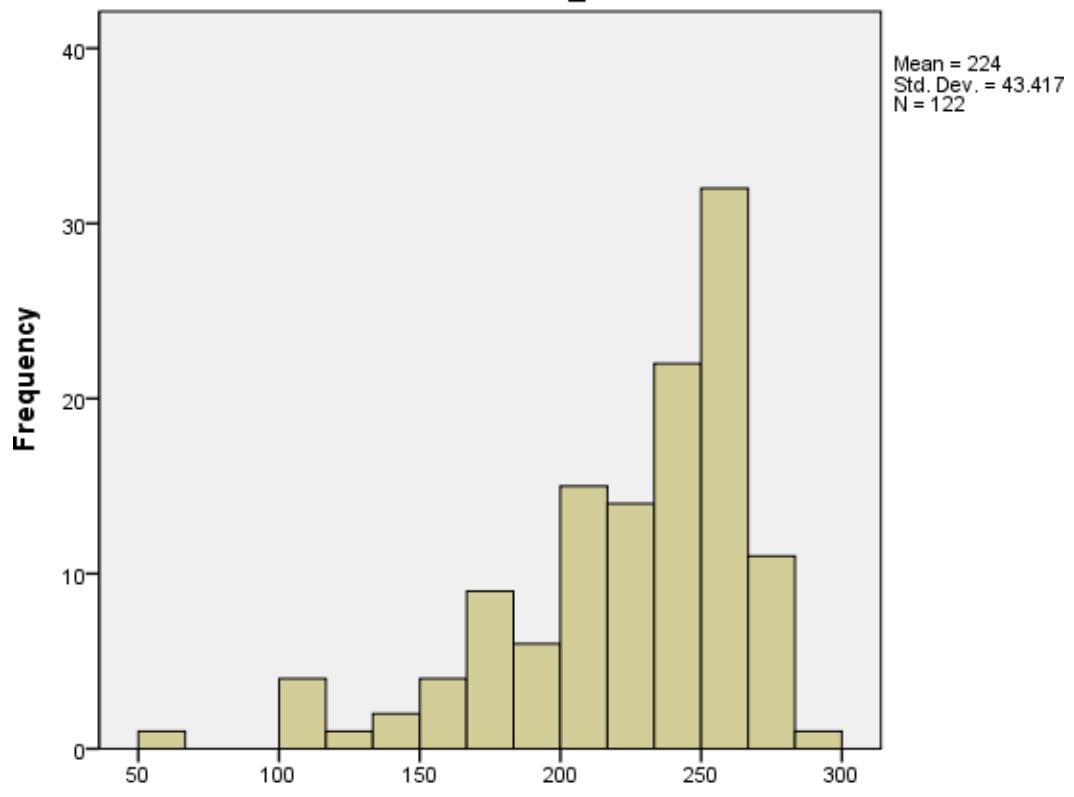
DEL_S102 sc10reas: Scan 10: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	3	.0	2.0	2.0
	3 Biophysical profile	24	.1	16.1	18.1
	4 Bleeding	3	.0	2.0	20.1
	7 Dates	2	.0	1.3	21.5
	8 Fetal anomaly/anatomy	4	.0	2.7	24.2
	9 Fetal growth	42	.2	28.2	52.3
	13 Placental location	1	.0	.7	53.0
	14 Presentation of baby	3	.0	2.0	55.0
	21 Multiple reasons	5	.0	3.4	58.4
	22 Liquor volume	4	.0	2.7	61.1
	24 Fetal well being	52	.3	34.9	96.0
	25 Viability	5	.0	3.4	99.3
	27 Suspected fetal abnormality	1	.0	.7	100.0
	Total	149	.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8221	41.5		
	Total	19639	99.2		
Total		19788	100.0		

DEL_S103 sc10rslt: Scan 10: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	69	.3	45.4	45.4
	2 Abnormal	83	.4	54.6	100.0
	Total	152	.8	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8218	41.5		
	Total	19636	99.2		
Total		19788	100.0		

DEL_S110



Scan 11: Number of days after beginning of gestation period

	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S110 Scan 11: Number of days after beginning of gestation period	122	227	59	286	224.00	43.417
Valid N (listwise)	122					

DEL_S111 sc11type: Scan 11: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	4	.0	3.8	3.8
	3 C: Departmental	4	.0	3.8	7.5
	4 D: Doppler	37	.2	34.9	42.5
	5 E: Follow-up scan	36	.2	34.0	76.4
	6 F: Mini scan	1	.0	.9	77.4
	8 H: Real time scan	22	.1	20.8	98.1
	9 I: Routine scan	1	.0	.9	99.1
	11 K: Trans-vaginal	1	.0	.9	100.0
	Total	106	.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8264	41.8		
	Total	19682	99.5		
Total		19788	100.0		

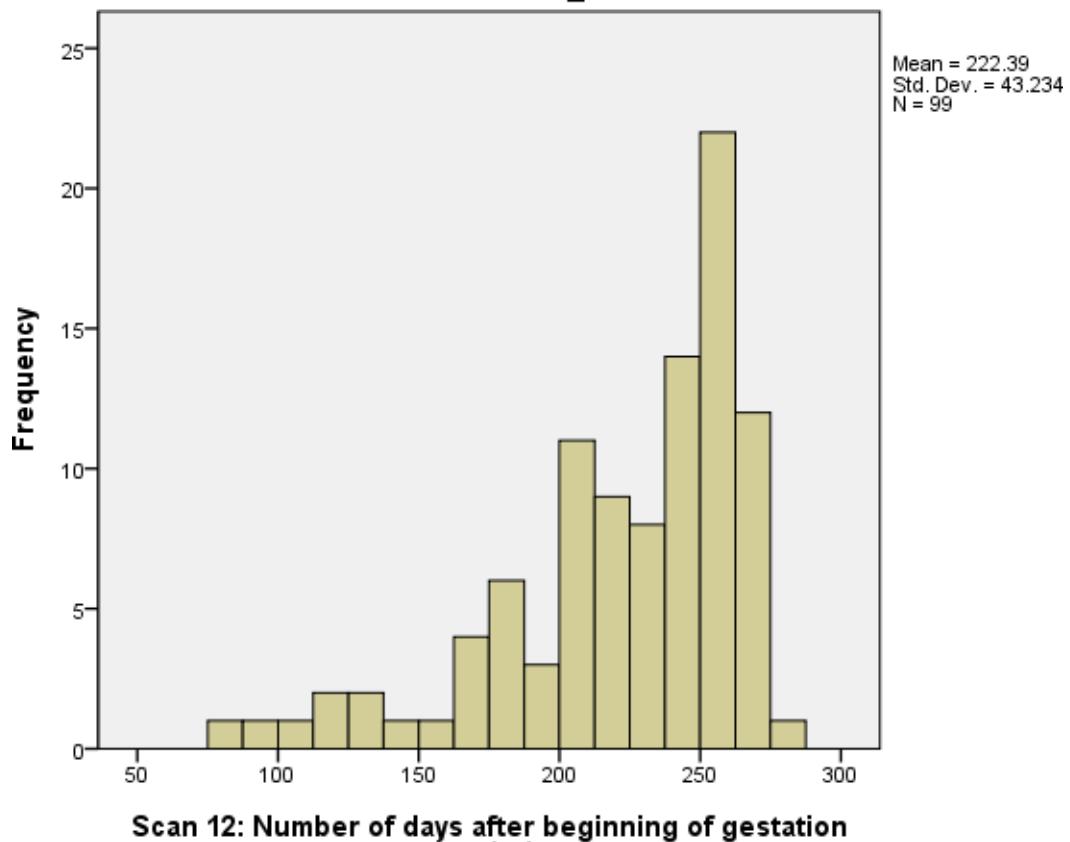
DEL_S112 sc11reas: Scan 11: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	1	.0	.8	.8
	2 Amniocentesis	2	.0	1.6	2.5
	3 Biophysical profile	21	.1	17.2	19.7
	4 Bleeding	1	.0	.8	20.5
	6 CVS	1	.0	.8	21.3
	7 Dates	1	.0	.8	22.1
	8 Fetal anomaly/anatomy	1	.0	.8	23.0
	9 Fetal growth	28	.1	23.0	45.9
	10 Fetal movements	1	.0	.8	46.7
	13 Placental location	2	.0	1.6	48.4
	14 Presentation of baby	5	.0	4.1	52.5
	21 Multiple reasons	5	.0	4.1	56.6
	22 Liquor volume	1	.0	.8	57.4
	24 Fetal well being	44	.2	36.1	93.4
	25 Viability	5	.0	4.1	97.5
	26 As part of fertility regime	1	.0	.8	98.4
	27 Suspected fetal abnormality	2	.0	1.6	100.0
	Total	122	.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8248	41.7		
	Total	19666	99.4		
Total		19788	100.0		

DEL_S113 sc11rslt: Scan 11: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	55	.3	46.2	46.2
	2 Abnormal	64	.3	53.8	100.0
	Total	119	.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8251	41.7		
	Total	19669	99.4		
Total		19788	100.0		

DEL_S120



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S120 Scan 12: Number of days after beginning of gestation period	99	194	87	281	222.39	43.234
Valid N (listwise)	99					

DEL_S121 sc12type: Scan 12: Type of scan

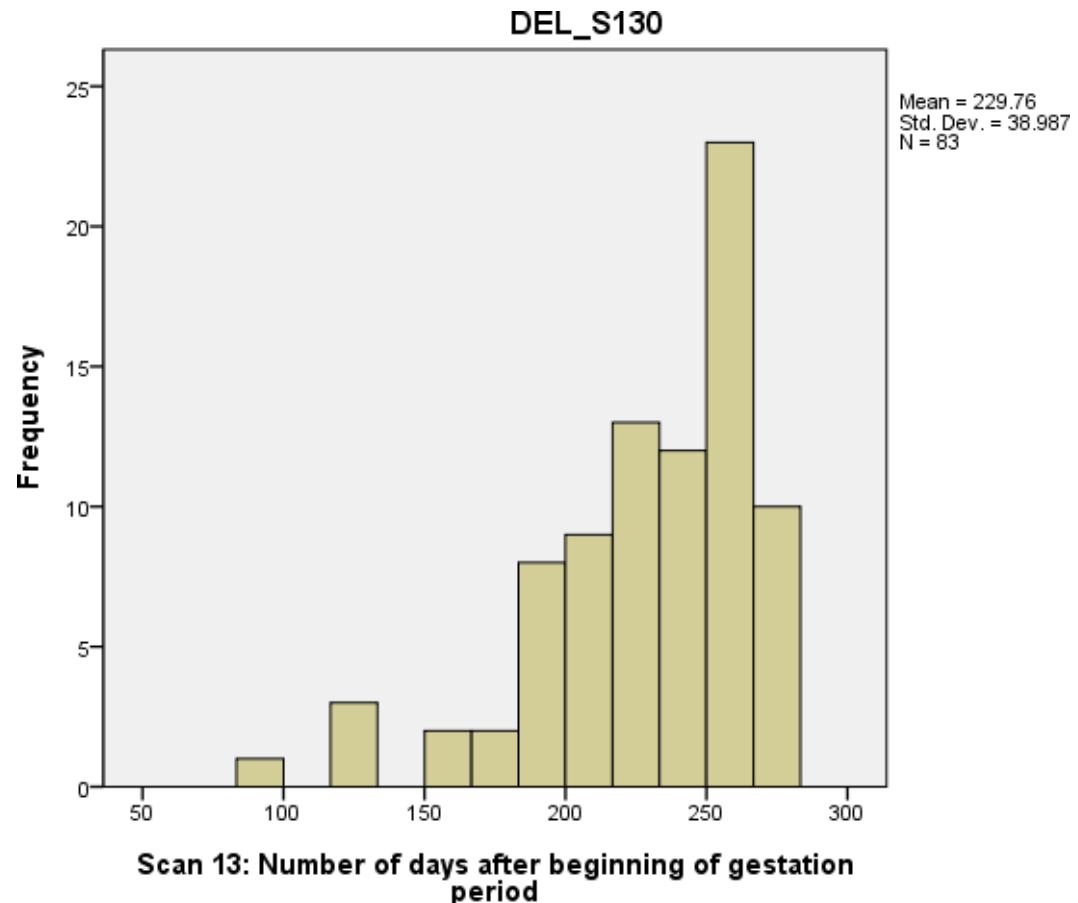
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	5	.0	5.7	5.7
	2 B: Dating scan	1	.0	1.1	6.9
	3 C: Departmental	2	.0	2.3	9.2
	4 D: Doppler	28	.1	32.2	41.4
	5 E: Follow-up scan	30	.2	34.5	75.9
	8 H: Real time scan	20	.1	23.0	98.9
	9 I: Routine scan	1	.0	1.1	100.0
	Total	87	.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8283	41.9		
	Total	19701	99.6		
Total		19788	100.0		

DEL_S122 sc12reas: Scan 12: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	1	.0	1.0	1.0
	2 Amniocentesis	1	.0	1.0	2.1
	3 Biophysical profile	18	.1	18.8	20.8
	7 Dates	1	.0	1.0	21.9
	8 Fetal anomaly/anatomy	1	.0	1.0	22.9
	9 Fetal growth	24	.1	25.0	47.9
	10 Fetal movements	1	.0	1.0	49.0
	14 Presentation of baby	2	.0	2.1	51.0
	21 Multiple reasons	7	.0	7.3	58.3
	22 Liquor volume	3	.0	3.1	61.5
	24 Fetal well being	33	.2	34.4	95.8
	25 Viability	3	.0	3.1	99.0
	27 Suspected fetal abnormality	1	.0	1.0	100.0
	Total	96	.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8274	41.8		
	Total	19692	99.5		
Total		19788	100.0		

DEL_S123 sc12rslt: Scan 12: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	41	.2	42.7	42.7
	2 Abnormal	55	.3	57.3	100.0
	Total	96	.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8274	41.8		
	Total	19692	99.5		
Total		19788	100.0		



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S130 Scan 13: Number of days after beginning of gestation period	83	187	94	281	229.76	38.987
Valid N (listwise)	83					

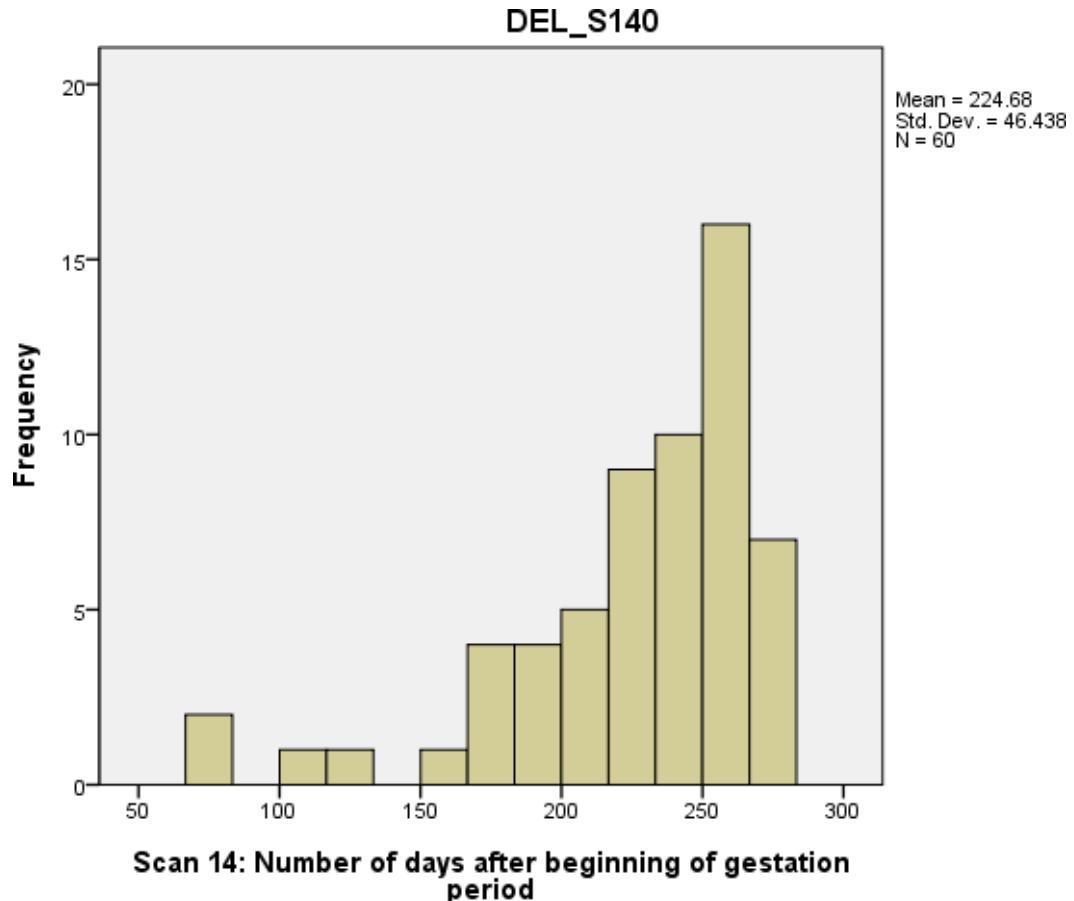
DEL_S131 sc13type: Scan 13: Type of scan					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	3	.0	4.0	4.0
	4 D: Doppler	29	.1	38.7	42.7
	5 E: Follow-up scan	25	.1	33.3	76.0
	8 H: Real time scan	15	.1	20.0	96.0
	9 I: Routine scan	3	.0	4.0	100.0
	Total	75	.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8295	41.9		
	Total	19713	99.6		
Total		19788	100.0		

DEL_S132 sc13reas: Scan 13: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	14	.1	17.5	17.5
	8 Fetal anomaly/anatomy	3	.0	3.8	21.3
	9 Fetal growth	23	.1	28.8	50.0
	21 Multiple reasons	5	.0	6.3	56.3
	24 Fetal well being	33	.2	41.3	97.5
	25 Viability	1	.0	1.3	98.8
	27 Suspected fetal abnormality	1	.0	1.3	100.0
	Total	80	.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8290	41.9		
	Total	19708	99.6		
Total		19788	100.0		

DEL_S133 sc13rslt: Scan 13: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	35	.2	42.2	42.2
	2 Abnormal	48	.2	57.8	100.0
	Total	83	.4	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8287	41.9		
	Total	19705	99.6		
Total		19788	100.0		



	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_S140 Scan 14: Number of days after beginning of gestation period	60	213	67	280	224.68	46.438
Valid N (listwise)	60					

DEL_S141 sc14type: Scan 14: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 C: Departmental	1	.0	1.9	1.9
	4 D: Doppler	15	.1	28.3	30.2
	5 E: Follow-up scan	15	.1	28.3	58.5
	8 H: Real time scan	19	.1	35.8	94.3
	9 I: Routine scan	2	.0	3.8	98.1
	11 K: Trans-vaginal	1	.0	1.9	100.0
	Total	53	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8317	42.0		
	Total	19735	99.7		
Total		19788	100.0		

DEL_S142 sc14reas: Scan 14: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	1	.0	1.7	1.7
	3 Biophysical profile	17	.1	29.3	31.0
	4 Bleeding	2	.0	3.4	34.5
	7 Dates	1	.0	1.7	36.2
	8 Fetal anomaly/anatomy	1	.0	1.7	37.9
	9 Fetal growth	12	.1	20.7	58.6
	21 Multiple reasons	2	.0	3.4	62.1
	22 Liquor volume	1	.0	1.7	63.8
	24 Fetal well being	19	.1	32.8	96.6
	25 Viability	1	.0	1.7	98.3
	27 Suspected fetal abnormality	1	.0	1.7	100.0
	Total	58	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8312	42.0		
	Total	19730	99.7		
Total		19788	100.0		

DEL_S143 sc14rslt: Scan 14: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	31	.2	52.5	52.5
	2 Abnormal	28	.1	47.5	100.0
	Total	59	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8311	42.0		
	Total	19729	99.7		
Total		19788	100.0		

DEL_S150 Scan 15: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	101	1	.0	1.9	1.9
	119	1	.0	1.9	3.8
	125	1	.0	1.9	5.8
	171	1	.0	1.9	7.7
	173	2	.0	3.8	11.5
	195	1	.0	1.9	13.5
	196	1	.0	1.9	15.4
	199	2	.0	3.8	19.2
	203	1	.0	1.9	21.2
	218	1	.0	1.9	23.1
	219	1	.0	1.9	25.0
	221	1	.0	1.9	26.9
	224	2	.0	3.8	30.8
	225	2	.0	3.8	34.6
	228	2	.0	3.8	38.5
	232	1	.0	1.9	40.4
	233	1	.0	1.9	42.3
	234	1	.0	1.9	44.2
	236	1	.0	1.9	46.2
	239	1	.0	1.9	48.1
	242	1	.0	1.9	50.0
	245	2	.0	3.8	53.8
	246	3	.0	5.8	59.6
	249	1	.0	1.9	61.5
	250	1	.0	1.9	63.5
	252	1	.0	1.9	65.4
	255	1	.0	1.9	67.3
	257	1	.0	1.9	69.2
	259	3	.0	5.8	75.0
	261	1	.0	1.9	76.9
	262	2	.0	3.8	80.8
	263	2	.0	3.8	84.6
	265	1	.0	1.9	86.5
	267	1	.0	1.9	88.5
	268	1	.0	1.9	90.4
	270	1	.0	1.9	92.3
	271	1	.0	1.9	94.2
	272	2	.0	3.8	98.1
	289	1	.0	1.9	100.0
	Total	52	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8318	42.0		
	Total	19736	99.7		
	Total	19788	100.0		

DEL_S151 sc15type: Scan 15: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 C: Departmental	1	.0	2.1	2.1
	4 D: Doppler	17	.1	36.2	38.3
	5 E: Follow-up scan	12	.1	25.5	63.8
	8 H: Real time scan	16	.1	34.0	97.9
	9 I: Routine scan	1	.0	2.1	100.0
	Total	47	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8323	42.1		
	Total	19741	99.8		
Total		19788	100.0		

DEL_S152 sc15reas: Scan 15: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	15	.1	29.4	29.4
	4 Bleeding	1	.0	2.0	31.4
	8 Fetal anomaly/anatomy	1	.0	2.0	33.3
	9 Fetal growth	4	.0	7.8	41.2
	14 Presentation of baby	2	.0	3.9	45.1
	21 Multiple reasons	4	.0	7.8	52.9
	22 Liquor volume	3	.0	5.9	58.8
	24 Fetal well being	20	.1	39.2	98.0
	27 Suspected fetal abnormality	1	.0	2.0	100.0
	Total	51	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8319	42.0		
	Total	19737	99.7		
Total		19788	100.0		

DEL_S153 sc15rslt: Scan 15: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	17	.1	34.0	34.0
	2 Abnormal	33	.2	66.0	100.0
	Total	50	.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8320	42.0		
	Total	19738	99.7		
Total		19788	100.0		

DEL_S160 Scan 16: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	127	1	.0	2.3	2.3
	128	1	.0	2.3	4.7
	171	1	.0	2.3	7.0
	175	1	.0	2.3	9.3
	177	1	.0	2.3	11.6
	180	1	.0	2.3	14.0
	189	1	.0	2.3	16.3
	196	1	.0	2.3	18.6
	199	1	.0	2.3	20.9
	213	1	.0	2.3	23.3
	215	1	.0	2.3	25.6
	219	1	.0	2.3	27.9
	221	2	.0	4.7	32.6
	224	1	.0	2.3	34.9
	228	2	.0	4.7	39.5
	231	1	.0	2.3	41.9
	232	1	.0	2.3	44.2
	233	2	.0	4.7	48.8
	235	1	.0	2.3	51.2
	242	1	.0	2.3	53.5
	245	2	.0	4.7	58.1
	251	1	.0	2.3	60.5
	252	1	.0	2.3	62.8
	253	1	.0	2.3	65.1
	254	1	.0	2.3	67.4
	259	2	.0	4.7	72.1
	260	1	.0	2.3	74.4
	261	1	.0	2.3	76.7
	262	1	.0	2.3	79.1
	267	1	.0	2.3	81.4
	268	1	.0	2.3	83.7
	269	1	.0	2.3	86.0
	270	2	.0	4.7	90.7
	272	1	.0	2.3	93.0
	274	2	.0	4.7	97.7
	276	1	.0	2.3	100.0
	Total	43	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8327	42.1		
	Total	19745	99.8		
	Total	19788	100.0		

DEL_S161 sc16type: Scan 16: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	1	.0	2.6	2.6
	3 C: Departmental	2	.0	5.1	7.7
	4 D: Doppler	14	.1	35.9	43.6
	5 E: Follow-up scan	12	.1	30.8	74.4
	6 F: Mini scan	1	.0	2.6	76.9
	8 H: Real time scan	8	.0	20.5	97.4
	9 I: Routine scan	1	.0	2.6	100.0
	Total	39	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8331	42.1		
	Total	19749	99.8		
Total		19788	100.0		

DEL_S162 sc16reas: Scan 16: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g. Fibroids, ovarian cysts	1	.0	2.4	2.4
	3 Biophysical profile	8	.0	19.0	21.4
	8 Fetal anomaly/anatomy	1	.0	2.4	23.8
	9 Fetal growth	7	.0	16.7	40.5
	12 Pelvimetry	1	.0	2.4	42.9
	21 Multiple reasons	2	.0	4.8	47.6
	22 Liquor volume	4	.0	9.5	57.1
	24 Fetal well being	18	.1	42.9	
	Total	42	.2	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8328	42.1		
Missing	Total	19746	99.8		
	Total	19788	100.0		

DEL_S163 sc16rslt: Scan 16: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	20	.1	46.5	46.5
	2 Abnormal	23	.1	53.5	100.0
	Total	43	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8327	42.1		
	Total	19745	99.8		
Total		19788	100.0		

DEL_S170 Scan 17: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	91	1	.0	2.7	2.7
	147	1	.0	2.7	5.4
	177	1	.0	2.7	8.1
	185	1	.0	2.7	10.8
	188	1	.0	2.7	13.5
	197	1	.0	2.7	16.2
	201	1	.0	2.7	18.9
	210	1	.0	2.7	21.6
	219	1	.0	2.7	24.3
	221	1	.0	2.7	27.0
	228	1	.0	2.7	29.7
	229	1	.0	2.7	32.4
	231	2	.0	5.4	37.8
	232	2	.0	5.4	43.2
	236	2	.0	5.4	48.6
	238	2	.0	5.4	54.1
	240	1	.0	2.7	56.8
	245	2	.0	5.4	62.2
	251	1	.0	2.7	64.9
	253	1	.0	2.7	67.6
	254	1	.0	2.7	70.3
	259	1	.0	2.7	73.0
	260	1	.0	2.7	75.7
	261	1	.0	2.7	78.4
	263	1	.0	2.7	81.1
	266	1	.0	2.7	83.8
	269	1	.0	2.7	86.5
	274	1	.0	2.7	89.2
	277	1	.0	2.7	91.9
	278	1	.0	2.7	94.6
	280	1	.0	2.7	97.3
	290	1	.0	2.7	100.0
	Total	37	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8333	42.1		
	Total	19751	99.8		
	Total	19788	100.0		

DEL_S171 sc17type: Scan 17: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	1	.0	3.0	3.0
	4 D: Doppler	11	.1	33.3	36.4
	5 E: Follow-up scan	10	.1	30.3	66.7
	8 H: Real time scan	11	.1	33.3	100.0
	Total	33	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8337	42.1		
	Total	19755	99.8		
	Total	19788	100.0		

DEL_S172 sc17reas: Scan 17: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	11	.1	29.7	29.7
	9 Fetal growth	6	.0	16.2	45.9
	14 Presentation of baby	1	.0	2.7	48.6
	21 Multiple reasons	2	.0	5.4	54.1
	24 Fetal well being	16	.1	43.2	97.3
	25 Viability	1	.0	2.7	100.0
	Total	37	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8333	42.1		
	Total	19751	99.8		
Total		19788	100.0		

DEL_S173 sc17rslt: Scan 17: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	14	.1	37.8	37.8
	2 Abnormal	23	.1	62.2	100.0
	Total	37	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8333	42.1		
	Total	19751	99.8		
Total		19788	100.0		

DEL_S180 Scan 18: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	56	1	.0	3.3	3.3
	149	1	.0	3.3	6.7
	180	1	.0	3.3	10.0
	192	1	.0	3.3	13.3
	194	1	.0	3.3	16.7
	197	1	.0	3.3	20.0
	206	1	.0	3.3	23.3
	208	1	.0	3.3	26.7
	225	2	.0	6.7	33.3
	232	2	.0	6.7	40.0
	233	1	.0	3.3	43.3
	234	1	.0	3.3	46.7
	236	1	.0	3.3	50.0
	238	2	.0	6.7	56.7
	240	1	.0	3.3	60.0
	242	1	.0	3.3	63.3
	245	1	.0	3.3	66.7
	246	2	.0	6.7	73.3
	256	2	.0	6.7	80.0
	259	1	.0	3.3	83.3
	263	1	.0	3.3	86.7
	266	2	.0	6.7	93.3
	280	1	.0	3.3	96.7
	290	1	.0	3.3	100.0
	Total	30	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8340	42.1		
	Total	19758	99.8		
	Total	19788	100.0		

DEL_S181 sc18type: Scan 18: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 C: Departmental	4	.0	13.3	13.3
	4 D: Doppler	11	.1	36.7	50.0
	5 E: Follow-up scan	7	.0	23.3	73.3
	8 H: Real time scan	8	.0	26.7	100.0
	Total	30	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8340	42.1		
	Total	19758	99.8		
	Total	19788	100.0		

DEL_S182 sc18reas: Scan 18: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g.	2	.0	6.7	6.7
	Fibroids, ovarian cysts				
	3 Biophysical profile	7	.0	23.3	30.0
	9 Fetal growth	2	.0	6.7	36.7
	21 Multiple reasons	2	.0	6.7	43.3
	22 Liquor volume	2	.0	6.7	50.0
	24 Fetal well being	13	.1	43.3	93.3
	25 Viability	1	.0	3.3	96.7
	27 Suspected fetal abnormality	1	.0	3.3	
	Total	30	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8340	42.1		
	Total	19758	99.8		
Total		19788	100.0		

DEL_S183 sc18rslt: Scan 18: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	14	.1	48.3	48.3
	2 Abnormal	15	.1	51.7	100.0
	Total	29	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8341	42.2		
	Total	19759	99.9		
Total		19788	100.0		

DEL_S190 Scan 19: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	150	1	.0	3.7	3.7
	180	1	.0	3.7	7.4
	197	2	.0	7.4	14.8
	206	1	.0	3.7	18.5
	213	1	.0	3.7	22.2
	215	1	.0	3.7	25.9
	225	1	.0	3.7	29.6
	226	1	.0	3.7	33.3
	232	1	.0	3.7	37.0
	233	1	.0	3.7	40.7
	234	1	.0	3.7	44.4
	235	1	.0	3.7	48.1
	238	4	.0	14.8	63.0
	240	1	.0	3.7	66.7
	242	1	.0	3.7	70.4
	246	2	.0	7.4	77.8
	247	1	.0	3.7	81.5
	256	2	.0	7.4	88.9
	261	1	.0	3.7	92.6
	263	1	.0	3.7	96.3
	266	1	.0	3.7	100.0
	Total	27	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8343	42.2		
	Total	19761	99.9		
	Total	19788	100.0		

DEL_S191 sc19type: Scan 19: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	14	.1	53.8	53.8
	5 E: Follow-up scan	4	.0	15.4	69.2
	8 H: Real time scan	8	.0	30.8	100.0
	Total	26	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8344	42.2		
	Total	19762	99.9		
	Total	19788	100.0		

DEL_S192 sc19reas: Scan 19: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	7	.0	26.9	26.9
	9 Fetal growth	2	.0	7.7	34.6
	21 Multiple reasons	1	.0	3.8	38.5
	24 Fetal well being	16	.1	61.5	100.0
	Total	26	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8344	42.2		
	Total	19762	99.9		
Total		19788	100.0		

DEL_S193 sc19rslt: Scan 19: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	7	.0	26.9	26.9
	2 Abnormal	19	.1	73.1	100.0
	Total	26	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8344	42.2		
	Total	19762	99.9		
Total		19788	100.0		

DEL_S200 Scan 20: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	153	1	.0	4.8	4.8
	184	1	.0	4.8	9.5
	201	1	.0	4.8	14.3
	208	1	.0	4.8	19.0
	220	1	.0	4.8	23.8
	222	1	.0	4.8	28.6
	225	1	.0	4.8	33.3
	226	1	.0	4.8	38.1
	232	1	.0	4.8	42.9
	235	2	.0	9.5	52.4
	238	1	.0	4.8	57.1
	242	1	.0	4.8	61.9
	244	1	.0	4.8	66.7
	245	2	.0	9.5	76.2
	247	1	.0	4.8	81.0
	249	1	.0	4.8	85.7
	253	1	.0	4.8	90.5
	260	1	.0	4.8	95.2
	273	1	.0	4.8	100.0
Missing	Total	21	.1	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8349	42.2		
Total		19767	99.9		
		19788	100.0		

DEL_S201 sc20type: Scan 20: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	7	.0	35.0	35.0
	5 E: Follow-up scan	8	.0	40.0	75.0
	8 H: Real time scan	4	.0	20.0	95.0
	9 I: Routine scan	1	.0	5.0	100.0
	Total	20	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8350	42.2		
	Total	19768	99.9		
Total		19788	100.0		

DEL_S202 sc20reas: Scan 20: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	4	.0	20.0	20.0
	9 Fetal growth	2	.0	10.0	30.0
	21 Multiple reasons	2	.0	10.0	40.0
	22 Liquor volume	3	.0	15.0	55.0
	24 Fetal well being	9	.0	45.0	100.0
	Total	20	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8350	42.2		
	Total	19768	99.9		
Total		19788	100.0		

DEL_S203 sc20rslt: Scan 20: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	7	.0	36.8	36.8
	2 Abnormal	12	.1	63.2	100.0
	Total	19	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8351	42.2		
	Total	19769	99.9		
Total		19788	100.0		

DEL_S210 Scan 21: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	64	1	.0	5.0	5.0
	160	1	.0	5.0	10.0
	184	1	.0	5.0	15.0
	203	1	.0	5.0	20.0
	208	1	.0	5.0	25.0
	220	1	.0	5.0	30.0
	229	1	.0	5.0	35.0
	232	2	.0	10.0	45.0
	235	1	.0	5.0	50.0
	237	1	.0	5.0	55.0
	238	1	.0	5.0	60.0
	241	1	.0	5.0	65.0
	242	1	.0	5.0	70.0
	245	1	.0	5.0	75.0
	247	1	.0	5.0	80.0
	256	1	.0	5.0	85.0
	257	1	.0	5.0	90.0
	259	1	.0	5.0	95.0
	265	1	.0	5.0	100.0
	Total	20	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8350	42.2		
	Total	19768	99.9		
	Total	19788	100.0		

DEL_S211 sc21type: Scan 21: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 C: Departmental	1	.0	5.9	5.9
	4 D: Doppler	9	.0	52.9	58.8
	5 E: Follow-up scan	4	.0	23.5	82.4
	8 H: Real time scan	3	.0	17.6	100.0
	Total	17	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8353	42.2		
	Total	19771	99.9		
	Total	19788	100.0		

DEL_S212 sc21reas: Scan 21: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Abnormalities in mum e.g.	1	.0	5.3	5.3
	Fibroids, ovarian cysts				
	3 Biophysical profile	3	.0	15.8	21.1
	9 Fetal growth	2	.0	10.5	31.6
	14 Presentation of baby	2	.0	10.5	42.1
	21 Multiple reasons	1	.0	5.3	47.4
	24 Fetal well being	10	.1	52.6	100.0
	Total	19	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8351	42.2		
	Total	19769	99.9		
Total		19788	100.0		

DEL_S213 sc21rslt: Scan 21: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	7	.0	38.9	38.9
	2 Abnormal	11	.1	61.1	100.0
	Total	18	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8352	42.2		
	Total	19770	99.9		
Total		19788	100.0		

DEL_S220 Scan 22: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	123	1	.0	6.7	6.7
	167	1	.0	6.7	13.3
	187	1	.0	6.7	20.0
	197	1	.0	6.7	26.7
	203	1	.0	6.7	33.3
	213	1	.0	6.7	40.0
	232	1	.0	6.7	46.7
	234	1	.0	6.7	53.3
	240	1	.0	6.7	60.0
	242	1	.0	6.7	66.7
	252	1	.0	6.7	73.3
	257	1	.0	6.7	80.0
	265	1	.0	6.7	86.7
	266	1	.0	6.7	93.3
	281	1	.0	6.7	100.0
Missing	Total	15	.1	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8355	42.2		
	Total	19773	99.9		
Total		19788	100.0		

DEL_S221 sc22type: Scan 22: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	1	.0	6.7	6.7
	4 D: Doppler	6	.0	40.0	46.7
	5 E: Follow-up scan	5	.0	33.3	80.0
	8 H: Real time scan	3	.0	20.0	100.0
	Total	15	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8355	42.2		
	Total	19773	99.9		
Total		19788	100.0		

DEL_S222 sc22reas: Scan 22: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	3	.0	20.0	20.0
	9 Fetal growth	2	.0	13.3	33.3
	21 Multiple reasons	2	.0	13.3	46.7
	22 Liquor volume	1	.0	6.7	53.3
	24 Fetal well being	7	.0	46.7	100.0
	Total	15	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8355	42.2		
	Total	19773	99.9		
Total		19788	100.0		

DEL_S223 sc22rslt: Scan 22: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	5	.0	35.7	35.7
	2 Abnormal	9	.0	64.3	100.0
	Total	14	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8356	42.2		
	Total	19774	99.9		
Total		19788	100.0		

DEL_S230 Scan 23: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	174	1	.0	7.7	7.7
	179	1	.0	7.7	15.4
	207	1	.0	7.7	23.1
	213	1	.0	7.7	30.8
	228	1	.0	7.7	38.5
	234	1	.0	7.7	46.2
	240	2	.0	15.4	61.5
	248	1	.0	7.7	69.2
	252	1	.0	7.7	76.9
	272	1	.0	7.7	84.6
	274	1	.0	7.7	92.3
	281	1	.0	7.7	100.0
	Total	13	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8357	42.2		
	Total	19775	99.9		
Total		19788	100.0		

DEL_S231 sc23type: Scan 23: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	1	.0	7.7	7.7
	4 D: Doppler	4	.0	30.8	38.5
	5 E: Follow-up scan	4	.0	30.8	69.2
	8 H: Real time scan	4	.0	30.8	100.0
	Total	13	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8357	42.2		
	Total	19775	99.9		
Total		19788	100.0		

DEL_S232 sc23reas: Scan 23: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	4	.0	30.8	30.8
	9 Fetal growth	3	.0	23.1	53.8
	21 Multiple reasons	1	.0	7.7	61.5
	24 Fetal well being	5	.0	38.5	100.0
	Total	13	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8357	42.2		
	Total	19775	99.9		
Total		19788	100.0		

DEL_S233 sc23rslt: Scan 23: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	7	.0	53.8	53.8
	2 Abnormal	6	.0	46.2	100.0
	Total	13	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8357	42.2		
	Total	19775	99.9		
Total		19788	100.0		

DEL_S240 Scan 24: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	98	1	.0	8.3	8.3
	181	1	.0	8.3	16.7
	190	1	.0	8.3	25.0
	208	1	.0	8.3	33.3
	214	1	.0	8.3	41.7
	232	1	.0	8.3	50.0
	240	1	.0	8.3	58.3
	244	1	.0	8.3	66.7
	248	1	.0	8.3	75.0
	259	1	.0	8.3	83.3
	274	1	.0	8.3	91.7
	279	1	.0	8.3	100.0
Total		12	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8358	42.2		
	Total	19776	99.9		
Total		19788	100.0		

DEL_S241 sc24type: Scan 24: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A: "Clinic scan"	2	.0	16.7	16.7
	3 C: Departmental	1	.0	8.3	25.0
	4 D: Doppler	3	.0	25.0	50.0
	5 E: Follow-up scan	3	.0	25.0	75.0
	8 H: Real time scan	3	.0	25.0	100.0
	Total	12	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8358	42.2		
	Total	19776	99.9		
Total		19788	100.0		

DEL_S242 sc24reas: Scan 24: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	3	.0	27.3	27.3
	21 Multiple reasons	1	.0	9.1	36.4
	22 Liquor volume	2	.0	18.2	54.5
	24 Fetal well being	4	.0	36.4	90.9
	27 Suspected fetal abnormality	1	.0	9.1	100.0
	Total	11	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8359	42.2		
	Total	19777	99.9		
Total		19788	100.0		

DEL_S243 sc24rslt: Scan 24: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	2	.0	18.2	18.2
	2 Abnormal	9	.0	81.8	100.0
	Total	11	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8359	42.2		
	Total	19777	99.9		
Total		19788	100.0		

DEL_S250 Scan 25: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	111	1	.0	9.1	9.1
	190	1	.0	9.1	18.2
	195	1	.0	9.1	27.3
	211	1	.0	9.1	36.4
	233	1	.0	9.1	45.5
	240	1	.0	9.1	54.5
	242	1	.0	9.1	63.6
	244	2	.0	18.2	81.8
	255	1	.0	9.1	90.9
	278	1	.0	9.1	100.0
	Total	11	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8359	42.2		
	Total	19777	99.9		
Total		19788	100.0		

DEL_S251 sc25type: Scan 25: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	3	.0	30.0	30.0
	5 E: Follow-up scan	2	.0	20.0	50.0
	8 H: Real time scan	4	.0	40.0	90.0
	9 I: Routine scan	1	.0	10.0	100.0
	Total	10	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8360	42.2		
	Total	19778	99.9		
Total		19788	100.0		

DEL_S252 sc25reas: Scan 25: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	4	.0	36.4	36.4
	9 Fetal growth	2	.0	18.2	54.5
	24 Fetal well being	4	.0	36.4	90.9
	25 Viability	1	.0	9.1	100.0
	Total	11	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8359	42.2		
	Total	19777	99.9		
Total		19788	100.0		

DEL_S253 sc25rslt: Scan 25: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	4	.0	36.4	36.4
	2 Abnormal	7	.0	63.6	100.0
	Total	11	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8359	42.2		
	Total	19777	99.9		
Total		19788	100.0		

DEL_S260 Scan 26: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	194	1	.0	11.1	11.1
	209	1	.0	11.1	22.2
	245	1	.0	11.1	33.3
	246	1	.0	11.1	44.4
	249	1	.0	11.1	55.6
	251	1	.0	11.1	66.7
	255	1	.0	11.1	77.8
	259	1	.0	11.1	88.9
	281	1	.0	11.1	100.0
Missing	Total	9	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8361	42.3		
	Total	19779	100.0		
Total		19788	100.0		

DEL_S261 sc26type: Scan 26: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	2	.0	22.2	22.2
	5 E: Follow-up scan	5	.0	55.6	77.8
	8 H: Real time scan	2	.0	22.2	100.0
	Total	9	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8361	42.3		
	Total	19779	100.0		
Total		19788	100.0		

DEL_S262 sc26reas: Scan 26: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	2	.0	22.2	22.2
	9 Fetal growth	4	.0	44.4	66.7
	22 Liquor volume	1	.0	11.1	77.8
	24 Fetal well being	2	.0	22.2	100.0
Missing	Total	9	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8361	42.3		
	Total	19779	100.0		
Total		19788	100.0		

DEL_S263 sc26rslt: Scan 26: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	4	.0	50.0	50.0
	2 Abnormal	4	.0	50.0	100.0
	Total	8	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8362	42.3		
	Total	19780	100.0		
Total		19788	100.0		

DEL_S270 Scan 27: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	194	1	.0	12.5	12.5
	224	1	.0	12.5	25.0
	246	1	.0	12.5	37.5
	247	1	.0	12.5	50.0
	256	1	.0	12.5	62.5
	257	1	.0	12.5	75.0
	259	1	.0	12.5	87.5
	281	1	.0	12.5	100.0
Missing	Total	8	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8362	42.3		
	Total	19780	100.0		
Total		19788	100.0		

DEL_S271 sc27type: Scan 27: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	3	.0	37.5	37.5
	6 F: Mini scan	1	.0	12.5	50.0
	8 H: Real time scan	4	.0	50.0	100.0
	Total	8	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8362	42.3		
	Total	19780	100.0		
Total		19788	100.0		

DEL_S272 sc27reas: Scan 27: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	4	.0	50.0	50.0
	21 Multiple reasons	1	.0	12.5	62.5
	24 Fetal well being	3	.0	37.5	100.0
	Total	8	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8362	42.3		
	Total	19780	100.0		
Total		19788	100.0		

DEL_S273 sc27rslt: Scan 27: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	2	.0	33.3	33.3
	2 Abnormal	4	.0	66.7	100.0
	Total	6	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8364	42.3		
	Total	19782	100.0		
Total		19788	100.0		

DEL_S280 Scan 28: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	198	1	.0	14.3	14.3
	230	1	.0	14.3	28.6
	247	1	.0	14.3	42.9
	253	1	.0	14.3	57.1
	256	1	.0	14.3	71.4
	257	1	.0	14.3	85.7
	281	1	.0	14.3	100.0
Missing	Total	7	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8363	42.3		
	Total	19781	100.0		
Total		19788	100.0		

DEL_S281 sc28type: Scan 28: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	3	.0	42.9	42.9
	5 E: Follow-up scan	1	.0	14.3	57.1
	6 F: Mini scan	1	.0	14.3	71.4
	8 H: Real time scan	2	.0	28.6	100.0
	Total	7	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8363	42.3		
	Total	19781	100.0		
Total		19788	100.0		

DEL_S282 sc28reas: Scan 28: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	2	.0	28.6	28.6
	21 Multiple reasons	1	.0	14.3	42.9
	22 Liquor volume	1	.0	14.3	57.1
	24 Fetal well being	3	.0	42.9	100.0
	Total	7	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8363	42.3		
	Total	19781	100.0		
Total		19788	100.0		

DEL_S283 sc28rslt: Scan 28: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	2	.0	28.6	28.6
	2 Abnormal	5	.0	71.4	100.0
	Total	7	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8363	42.3		
	Total	19781	100.0		
Total		19788	100.0		

DEL_S290 Scan 29: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	201	1	.0	20.0	20.0
	237	1	.0	20.0	40.0
	253	1	.0	20.0	60.0
	257	1	.0	20.0	80.0
	263	1	.0	20.0	100.0
Missing	Total	5	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S291 sc29type: Scan 29: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	2	.0	40.0	40.0
	5 E: Follow-up scan	2	.0	40.0	80.0
	8 H: Real time scan	1	.0	20.0	100.0
	Total	5	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S292 sc29reas: Scan 29: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	1	.0	20.0	20.0
	9 Fetal growth	1	.0	20.0	40.0
	22 Liquor volume	1	.0	20.0	60.0
	24 Fetal well being	2	.0	40.0	100.0
Missing	Total	5	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S293 sc29rslt: Scan 29: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	1	.0	20.0	20.0
	2 Abnormal	4	.0	80.0	100.0
	Total	5	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S300 Scan 30: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	201	1	.0	20.0	20.0
	244	1	.0	20.0	40.0
	257	1	.0	20.0	60.0
	260	1	.0	20.0	80.0
	263	1	.0	20.0	100.0
Missing	Total	5	.0	100.0	
	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S301 sc30type: Scan 30: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	2	.0	40.0	40.0
	8 H: Real time scan	3	.0	60.0	100.0
	Total	5	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S302 sc30reas: Scan 30: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	3	.0	60.0	60.0
	24 Fetal well being	2	.0	40.0	100.0
	Total	5	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S303 sc30rslt: Scan 30: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	1	.0	20.0	20.0
	2 Abnormal	4	.0	80.0	100.0
	Total	5	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8365	42.3		
	Total	19783	100.0		
Total		19788	100.0		

DEL_S310 Scan 31: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	244	1	.0	50.0	50.0
	260	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S311 sc31type: Scan 31: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	1	.0	50.0	50.0
	8 H: Real time scan	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S312 sc31reas: Scan 31: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Biophysical profile	1	.0	50.0	50.0
	24 Fetal well being	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S313 sc31rslt: Scan 31: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	1	.0	50.0	50.0
	2 Abnormal	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S320 Scan 32: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	247	1	.0	50.0	50.0
	267	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S321 sc32type: Scan 32: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5 E: Follow-up scan	1	.0	50.0	50.0
	6 F: Mini scan	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S322 sc32reas: Scan 32: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	9 Fetal growth	1	.0	50.0	50.0
	14 Presentation of baby	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S323 sc32rslt: Scan 32: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Normal	1	.0	50.0	50.0
	2 Abnormal	1	.0	50.0	100.0
	Total	2	.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8368	42.3		
	Total	19786	100.0		
Total		19788	100.0		

DEL_S330 Scan 33: Number of days after beginning of gestation period

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	267	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8369	42.3		
	Total	19787	100.0		
Total		19788	100.0		

DEL_S331 sc33type: Scan 33: Type of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 D: Doppler	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8369	42.3		
	Total	19787	100.0		
Total		19788	100.0		

DEL_S332 sc33reas: Scan 33: Reason for scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	24 Fetal well being	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8369	42.3		
	Total	19787	100.0		
Total		19788	100.0		

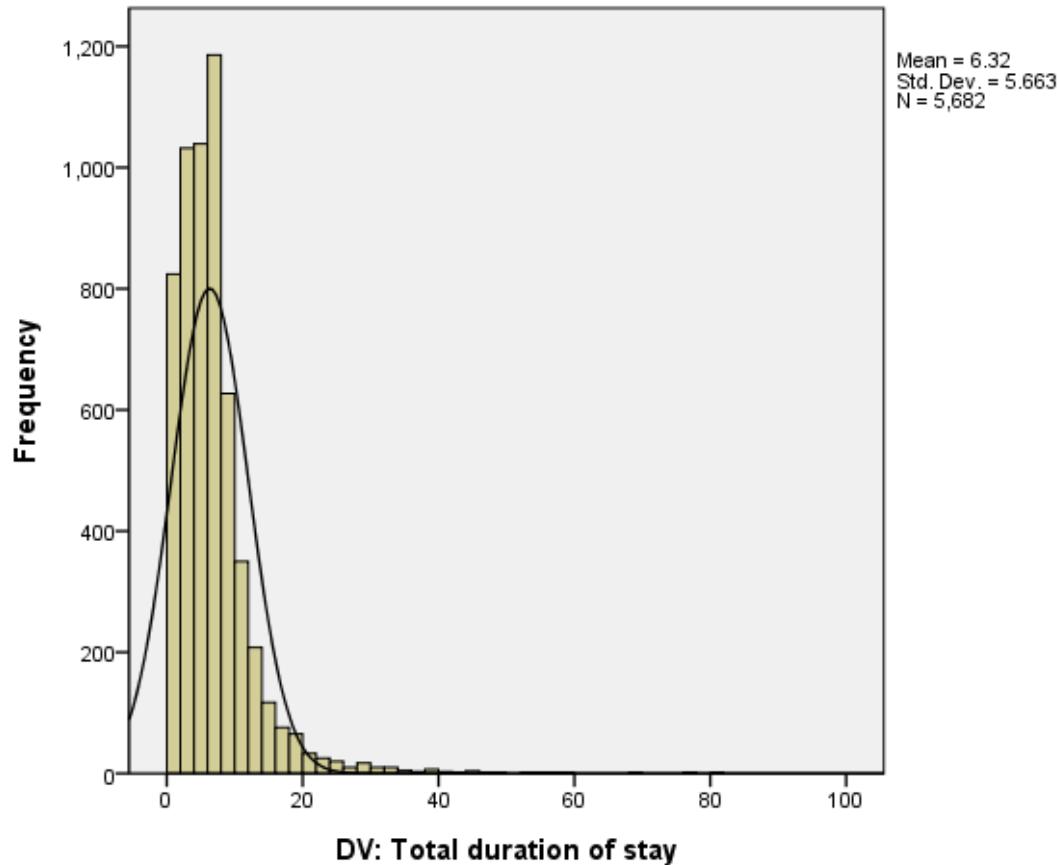
DEL_S333 sc33rslt: Scan 33: Result of scan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Abnormal	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-1 Not answered	8369	42.3		
	Total	19787	100.0		
Total		19788	100.0		

Appendix E: Antenatal hospital admissions

Delivery: Hospital Admissions July 2011

DEL_H001 DV: Total duration of stay



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H001 DV: Total duration of stay	5682	79	1	80	6.32	5.663
Valid N (listwise)	5682					

DEL_H002 DV: Number of hospital admissions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No admissions	2504	12.7	30.5	30.5
	1	3224	16.3	39.3	69.8
	2	1434	7.2	17.5	87.3
	3	579	2.9	7.1	94.3
	4	259	1.3	3.2	97.5
	5	96	.5	1.2	98.7
	6	65	.3	.8	99.5
	7	21	.1	.3	99.7
	8	10	.1	.1	99.8
	9	6	.0	.1	99.9
	10	4	.0	.0	100.0
	12	2	.0	.0	100.0
	13	1	.0	.0	100.0
	18	1	.0	.0	100.0
	Total	8206	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-1 Not Answered	14	.1		
	Total	11582	58.5		
	Total	19788	100.0		

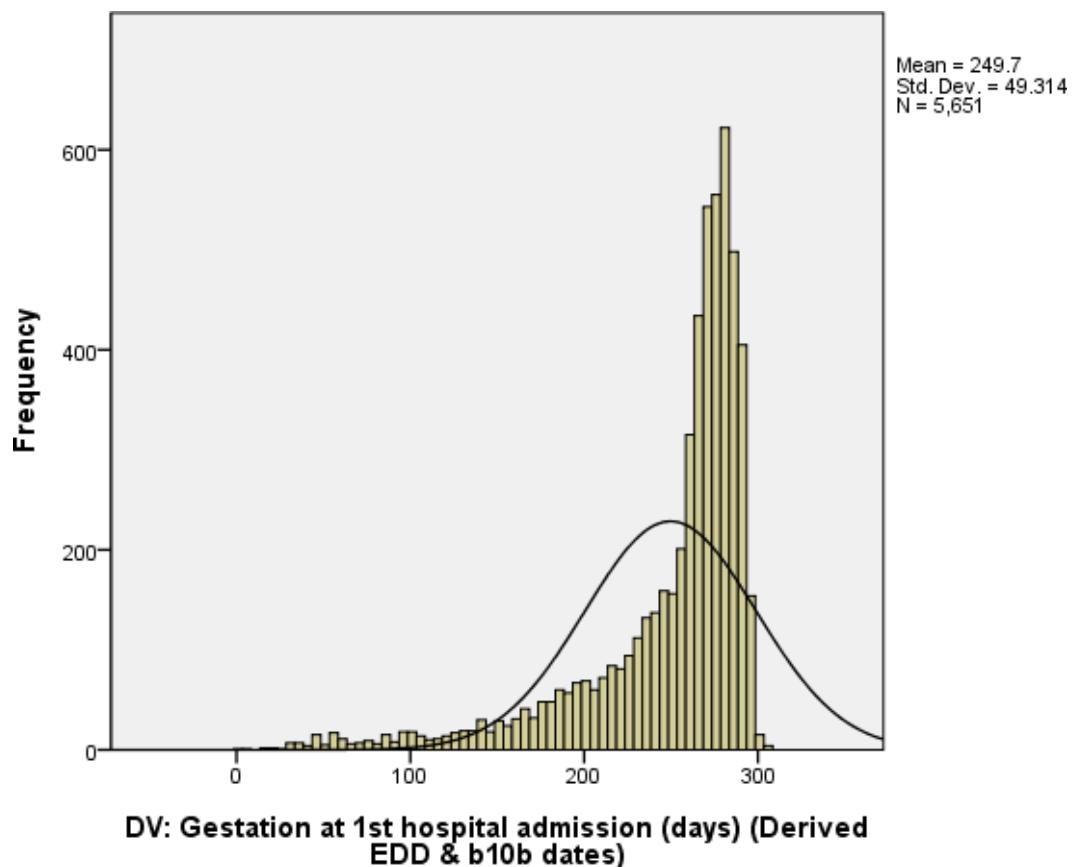
DEL_H050 B10a: Mother admitted to hospital during this pregnancy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5716	28.9	69.5	69.5
	2 No	2504	12.7	30.5	100.0
	Total	8220	41.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	Total	11568	58.5		

DEL_H002 DV: Number of hospital admissions

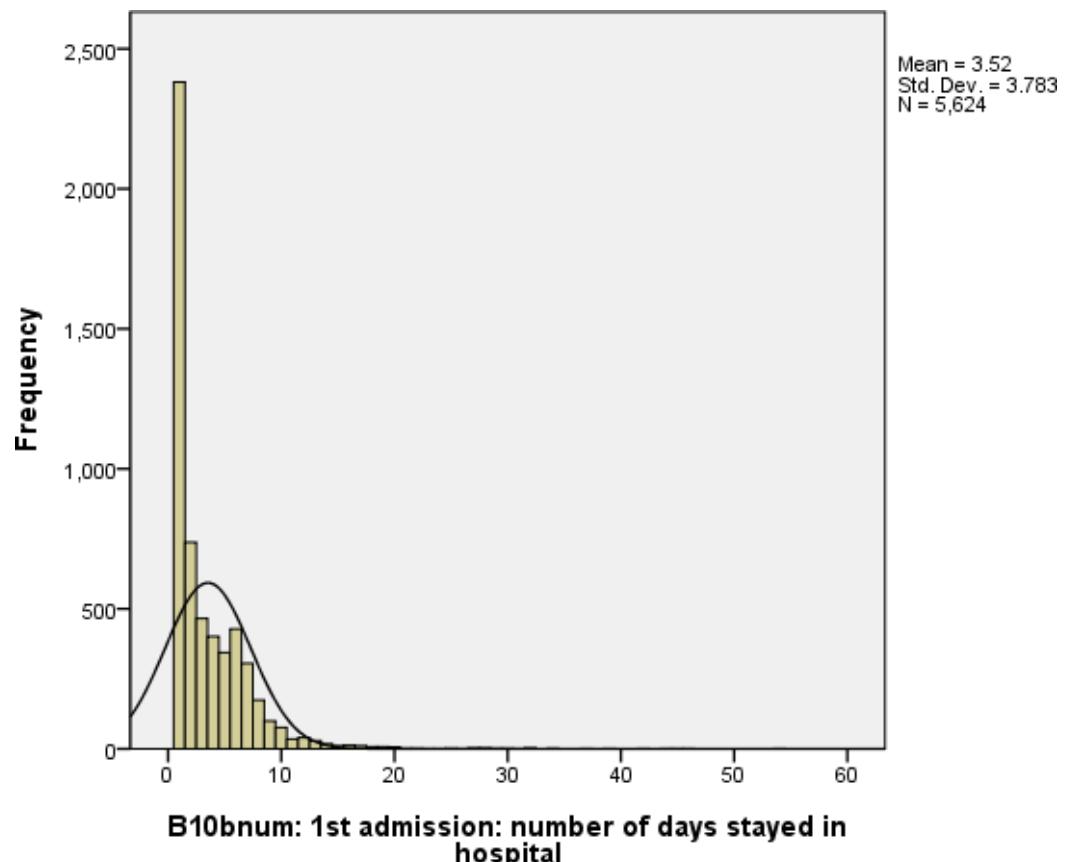
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No admissions	2504	12.7	30.5	30.5
	1	3224	16.3	39.3	69.8
	2	1434	7.2	17.5	87.3
	3	579	2.9	7.1	94.3
	4	259	1.3	3.2	97.5
	5	96	.5	1.2	98.7
	6	65	.3	.8	99.5
	7	21	.1	.3	99.7
	8	10	.1	.1	99.8
	9	6	.0	.1	99.9
	10	4	.0	.0	100.0
	12	2	.0	.0	100.0
	13	1	.0	.0	100.0
	18	1	.0	.0	100.0
Missing	Total	8206	41.5	100.0	
	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-1 Not Answered	14	.1		
Total		11582	58.5		
Total		19788	100.0		

DEL_H051 DV: Gestation at 1st hospital admission (days) (Derived EDD & b10b dates)



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H051 DV: Gestation at 1st hospital admission (days) (Derived EDD & b10b dates)	5651	305	1	306	249.70	49.314
Valid N (listwise)	5651					

DEL_H052 B10bnum: 1st admission: number of days stayed in hospital



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H052 B10bnum: 1st admission: number of days stayed in hospital	5624	53	1	54	3.52	3.783
Valid N (listwise)	5624					

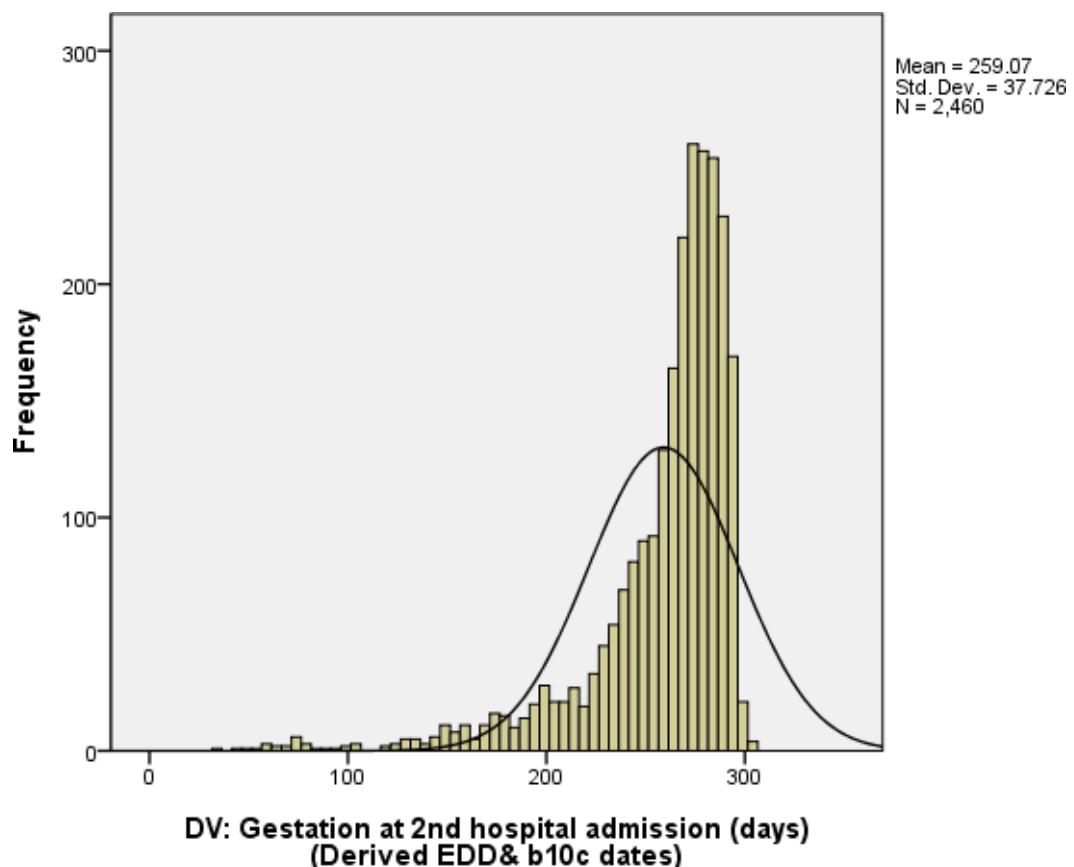
DEL_H053 B10bhos: 1st admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	2126	10.7	37.5	37.5
	2 Southmead	3066	15.5	54.1	91.6
	3 Other	477	2.4	8.4	100.0
	Total	5669	28.6	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	14	.1		
	-3 Not known if admitted	150	.8		
	-2 No Admission	2504	12.7		
	-1 Not Answered	33	.2		
	Total	14119	71.4		

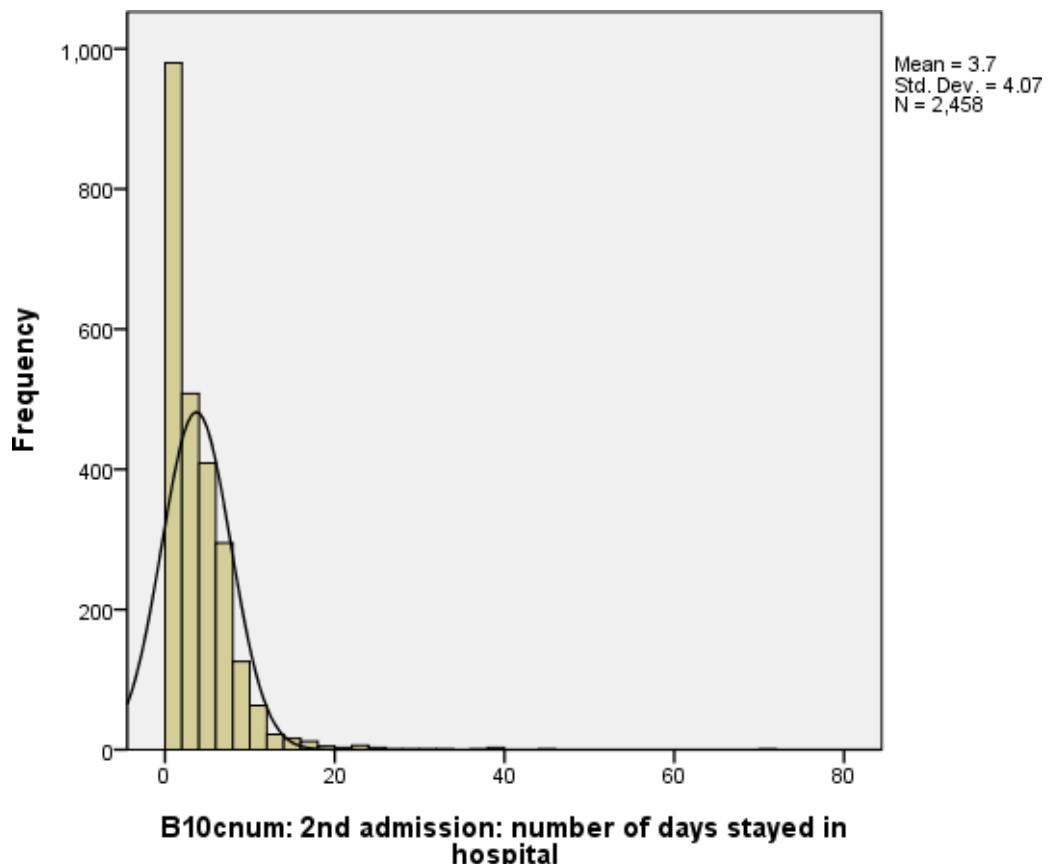
DEL_H002 DV: Number of hospital admissions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No admissions	2504	12.7	30.5	30.5
	1	3224	16.3	39.3	69.8
	2	1434	7.2	17.5	87.3
	3	579	2.9	7.1	94.3
	4	259	1.3	3.2	97.5
	5	96	.5	1.2	98.7
	6	65	.3	.8	99.5
	7	21	.1	.3	99.7
	8	10	.1	.1	99.8
	9	6	.0	.1	99.9
	10	4	.0	.0	100.0
	12	2	.0	.0	100.0
	13	1	.0	.0	100.0
	18	1	.0	.0	100.0
Missing	Total	8206	41.5	100.0	
	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-1 Not Answered	14	.1		
Total		11582	58.5		
Total		19788	100.0		

DEL_H054 DV: Gestation at 2nd hospital admission (days) (Derived EDD& b10c dates)



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H054 DV: Gestation at 2nd hospital admission (days) (Derived EDD& b10c dates)	2460	271	34	305	259.07	37.726
Valid N (listwise)	2460					

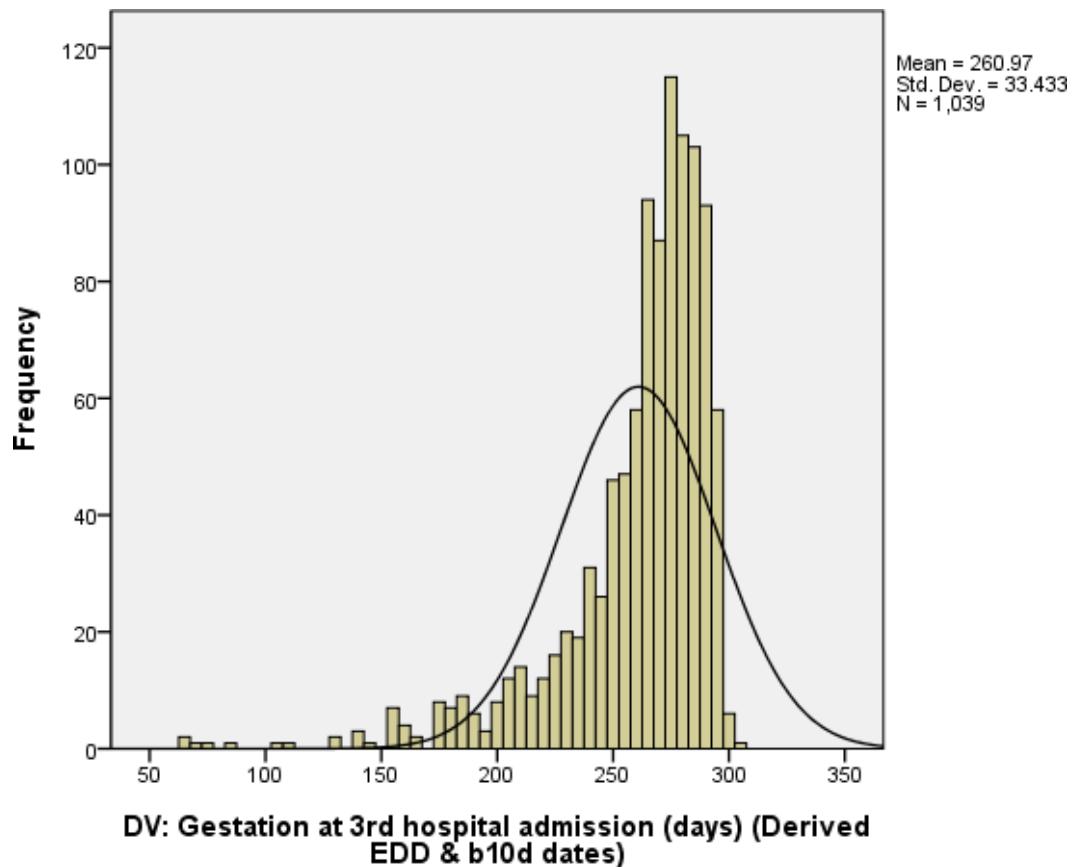
DEL_H055 B10cnum: 2nd admission: number of days stayed in hospital

Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H055 B10cnum: 2nd admission: number of days stayed in hospital	2458	69	1	70	3.70	4.070
Valid N (listwise)	2458					

DEL_H056 B10chos: 2nd Admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	991	5.0	40.1	40.1
	2 Southmead	1287	6.5	52.1	92.2
	3 Other	193	1.0	7.8	100.0
	Total	2471	12.5		
	-10 Not completed	11418	57.7	100.0	
	-7 Unresolved	13	.1		
	-3 Not known if admitted	150	.8		
	-2 No 2nd Admission	5728	28.9		
Missing	-1 Not Answered	8	.0		
	Total	17317	87.5		
Total		19788	100.0		

DEL_H057 DV: Gestation at 3rd hospital admission (days) (Derived EDD & b10d dates)



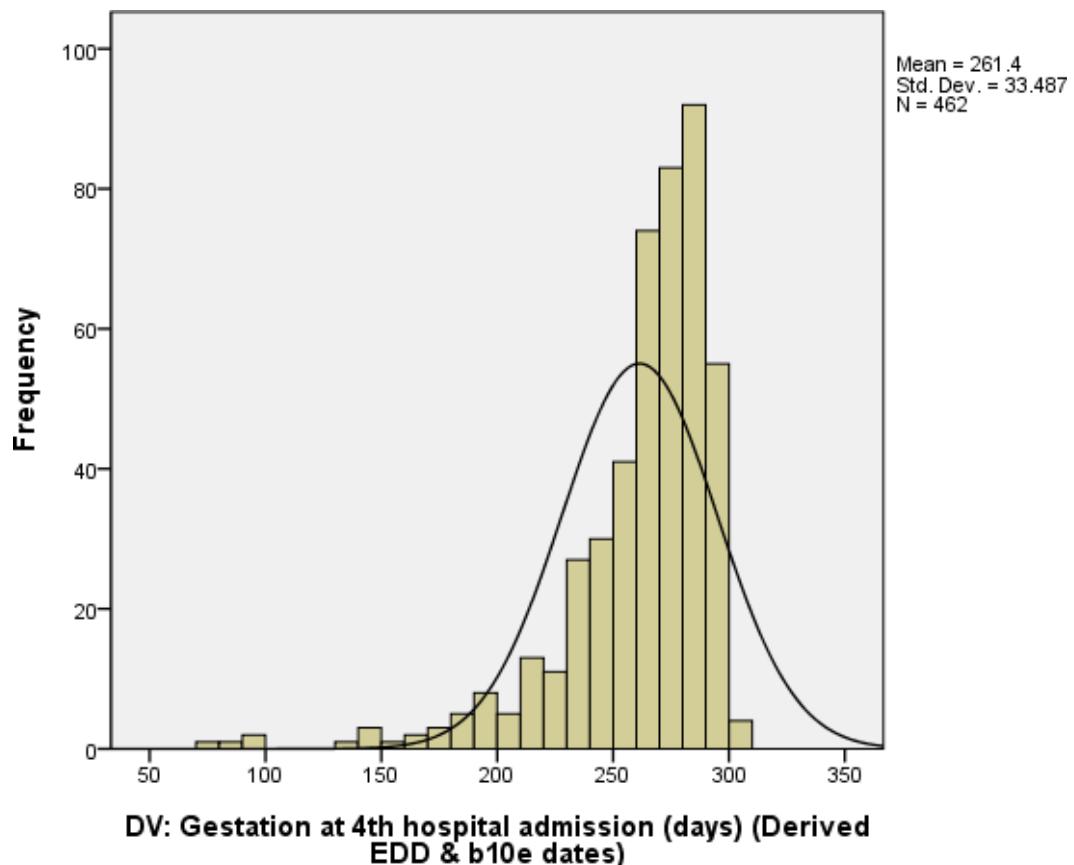
Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H057 DV: Gestation at 3rd hospital admission (days) (Derived EDD & b10d dates)	1039	238	65	303	260.97	33.433
Valid N (listwise)	1039					

DEL_H058 B10dnum: 3rd admission: number of days stayed in hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	411	2.1	39.6	39.6
	2	141	.7	13.6	53.2
	3	94	.5	9.1	62.2
	4	78	.4	7.5	69.7
	5	68	.3	6.6	76.3
	6	82	.4	7.9	84.2
	7	55	.3	5.3	89.5
	8	30	.2	2.9	92.4
	9	17	.1	1.6	94.0
	10	9	.0	.9	94.9
	11	9	.0	.9	95.8
	12	11	.1	1.1	96.8
	13	5	.0	.5	97.3
	14	5	.0	.5	97.8
	15	1	.0	.1	97.9
	16	4	.0	.4	98.3
	17	3	.0	.3	98.6
	18	4	.0	.4	98.9
	19	2	.0	.2	99.1
	21	1	.0	.1	99.2
	22	2	.0	.2	99.4
	24	1	.0	.1	99.5
	30	1	.0	.1	99.6
	31	1	.0	.1	99.7
	38	1	.0	.1	99.8
	40	1	.0	.1	99.9
	49	1	.0	.1	100.0
Missing	Total	1038	5.2	100.0	
	-10 Not completed	11418	57.7		
	-7 Unresolved	10	.1		
	-3 Not known if admitted	150	.8		
	-2 No 3rd Admission	7162	36.2		
	-1 Not Answered	10	.1		
Total	Total	18750	94.8		
		19788	100.0		

DEL_H059 B10dhos: 3rd admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	433	2.2	41.5	41.5
	2 Southmead	522	2.6	50.0	91.5
	3 Other	89	.4	8.5	100.0
	Total	1044	5.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	9	.0		
	-3 Not known if admitted	150	.8		
	-2 No 3rd Admission	7162	36.2		
	-1 Not Answered	5	.0		
	Total	18744	94.7		
Total		19788	100.0		

DEL_H060 DV: Gestation at 4th hospital admission (days) (Derived EDD & b10e dates)

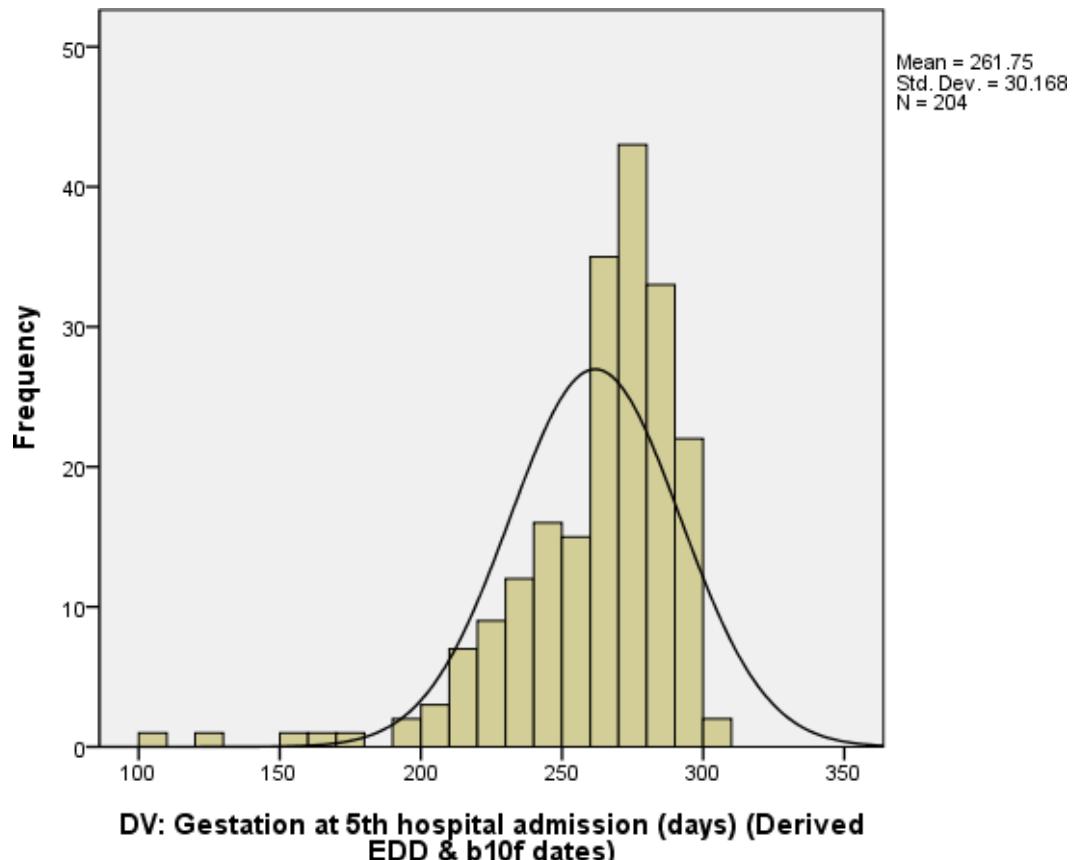
Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H060 DV: Gestation at 4th hospital admission (days) (Derived EDD & b10e dates)	462	228	74	302	261.40	33.487
Valid N (listwise)	462					

DEL_H061 B10enum: 4th admission: number of days stayed in hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	185	.9	40.0	40.0
	2	54	.3	11.7	51.7
	3	28	.1	6.1	57.8
	4	40	.2	8.7	66.5
	5	40	.2	8.7	75.1
	6	30	.2	6.5	81.6
	7	28	.1	6.1	87.7
	8	12	.1	2.6	90.3
	9	10	.1	2.2	92.4
	10	10	.1	2.2	94.6
	11	5	.0	1.1	95.7
	12	4	.0	.9	96.5
	13	3	.0	.6	97.2
	14	1	.0	.2	97.4
	15	1	.0	.2	97.6
	17	1	.0	.2	97.8
	18	3	.0	.6	98.5
	19	1	.0	.2	98.7
	23	1	.0	.2	98.9
	27	1	.0	.2	99.1
	29	1	.0	.2	99.4
	30	1	.0	.2	99.6
	32	1	.0	.2	99.8
	58	1	.0	.2	100.0
	Total	462	2.3	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	7	.0		
	-3 Not known if admitted	150	.8		
	-2 No 4th Admission	7741	39.1		
	-1 Not Answered	10	.1		
	Total	19326	97.7		
Total		19788	100.0		

DEL_H062 B10ehos: 4th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	193	1.0	41.5	41.5
	2 Southmead	222	1.1	47.7	89.2
	3 Other	50	.3	10.8	100.0
	Total	465	2.3		
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	7	.0		
	-3 Not known if admitted	150	.8		
	-2 No 4th Admission	7741	39.1		
	-1 Not Answered	7	.0		
Total		19323	97.7		
Total		19788	100.0		

DEL_H063 DV: Gestation at 5th hospital admission (days) (Derived EDD & b10f dates)

Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H063 DV: Gestation at 5th hospital admission (days) (Derived EDD & b10f dates)	204	199	103	302	261.75	30.168
Valid N (listwise)	204					

DEL_H064 B10fnum: 5th admission: number of days stayed in hospital

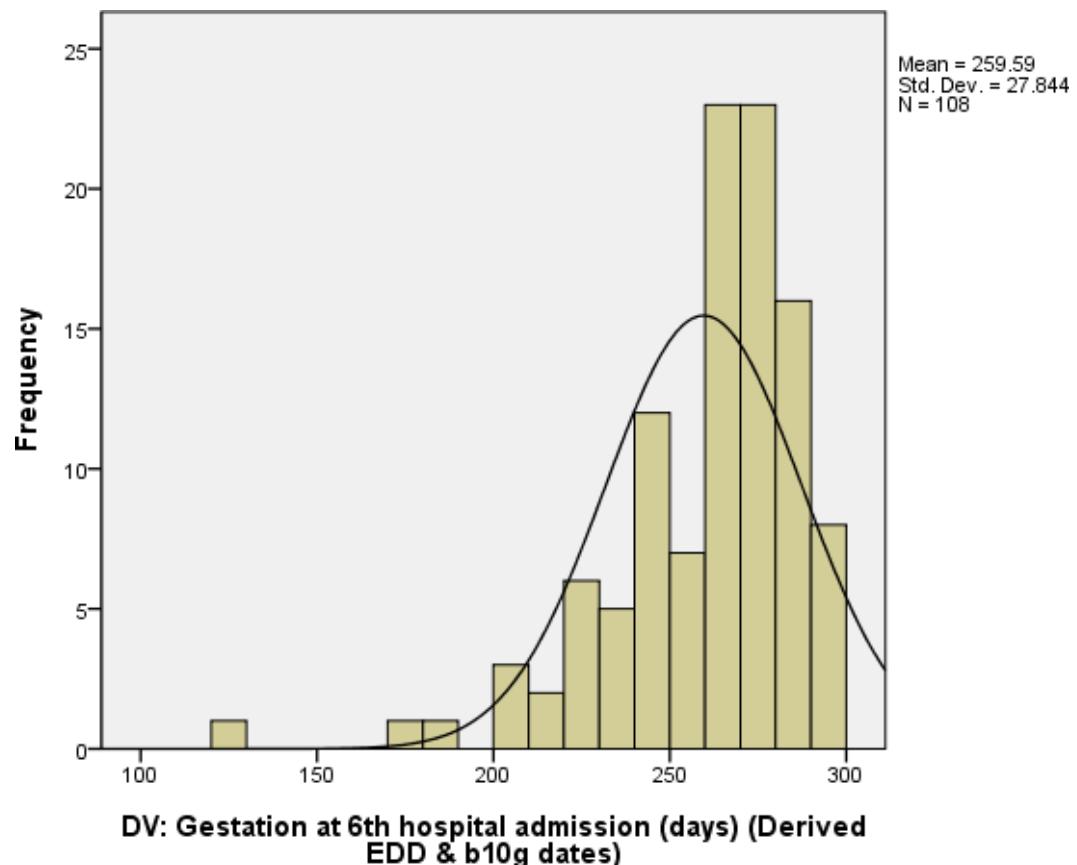
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	101	.5	50.0	50.0
	2	21	.1	10.4	60.4
	3	17	.1	8.4	68.8
	4	11	.1	5.4	74.3
	5	10	.1	5.0	79.2
	6	14	.1	6.9	86.1
	7	9	.0	4.5	90.6

	8	8	.0	4.0	94.6
	9	1	.0	.5	95.0
	10	2	.0	1.0	96.0
	11	2	.0	1.0	97.0
	12	1	.0	.5	97.5
	13	1	.0	.5	98.0
	14	1	.0	.5	98.5
	15	2	.0	1.0	99.5
	18	1	.0	.5	100.0
Total		202	1.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 5th Admission	8000	40.4		
	-1 Not Answered	16	.1		
Total		19586	99.0		
		19788	100.0		

DEL_H065 B10fhos: 5th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	91	.5	44.2	44.2
	2 Southmead	90	.5	43.7	87.9
	3 Other	25	.1	12.1	100.0
	Total	206	1.0	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 5th Admission	8000	40.4		
	-1 Not Answered	12	.1		
Total		19582	99.0		
		19788	100.0		

DEL_H066 DV: Gestation at 6th hospital admission (days) (Derived EDD & b10g dates)



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H066 DV: Gestation at 6th hospital admission (days) (Derived EDD & b10g dates)	108	174	125	299	259.59	27.844
Valid N (listwise)	108					

DEL_H067 B10gnum: 6th admission: number of days stayed in hospital

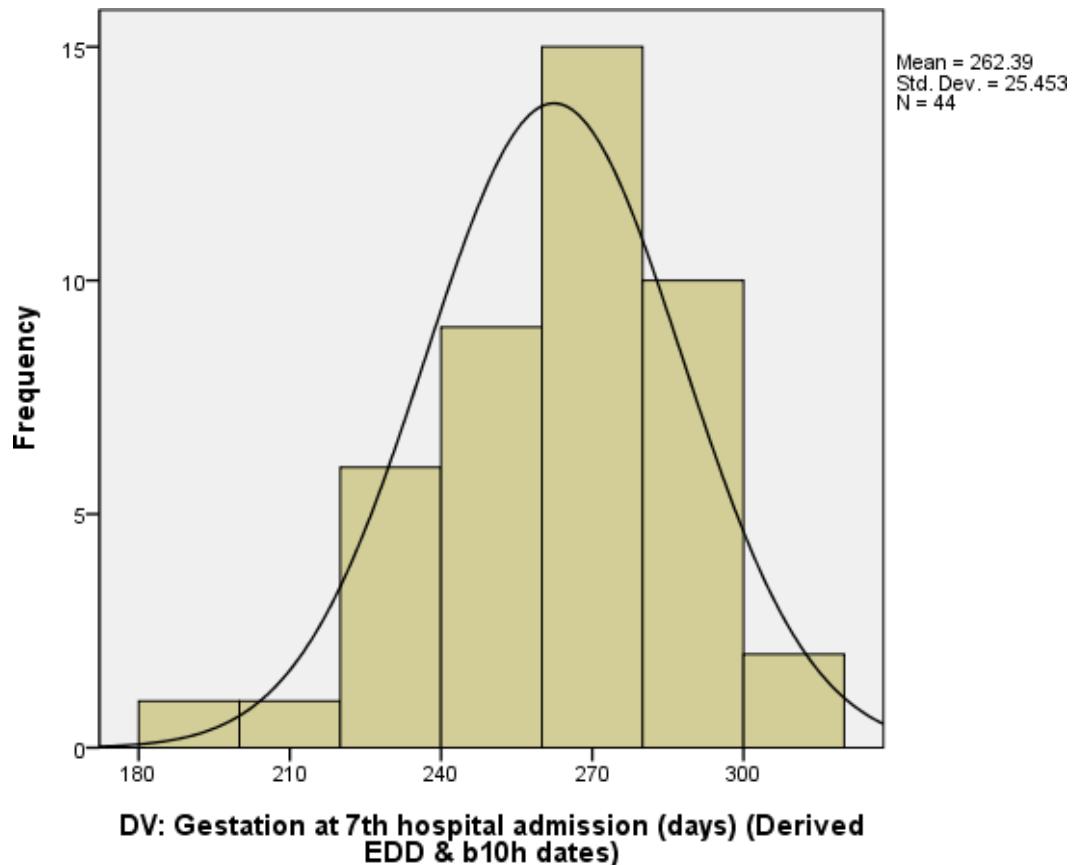
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	50	.3	46.3	46.3

	2	15	.1	13.9	60.2
	3	10	.1	9.3	69.4
	4	11	.1	10.2	79.6
	5	1	.0	.9	80.6
	6	6	.0	5.6	86.1
	7	4	.0	3.7	89.8
	8	6	.0	5.6	95.4
	9	1	.0	.9	96.3
	10	1	.0	.9	97.2
	11	1	.0	.9	98.1
	14	1	.0	.9	99.1
	17	1	.0	.9	100.0
	Total	108	.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 6th Admission	8096	40.9		
	-1 Not Answered	14	.1		
	Total	19680	99.5		
	Total	19788	100.0		

DEL_H068 B10ghos: 6th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	52	.3	48.1	48.1
	2 Southmead	50	.3	46.3	94.4
	3 Other	6	.0	5.6	100.0
	Total	108	.5	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 6th Admission	8096	40.9		
	-1 Not Answered	14	.1		
	Total	19680	99.5		
	Total	19788	100.0		

DEL_H069 DV: Gestation at 7th hospital admission (days) (Derived EDD & b10h dates)



Descriptive Statistics						
	N	Range	Minimum	Maximum	Mean	Std. Deviation
DEL_H069 DV: Gestation at 7th hospital admission (days) (Derived EDD & b10h dates)	44	114	186	300	262.39	25.453
Valid N (listwise)	44					

DEL_H070 B10hnum: 7th admission: number of days stayed in hospital

	Frequency	Percent	Valid Percent	Cumulative Percent

Valid	1	22	.1	51.2	51.2
	2	3	.0	7.0	58.1
	3	4	.0	9.3	67.4
	4	2	.0	4.7	72.1
	5	1	.0	2.3	74.4
	6	1	.0	2.3	76.7
	7	4	.0	9.3	86.0
	9	1	.0	2.3	88.4
	10	2	.0	4.7	93.0
	12	1	.0	2.3	95.3
	13	1	.0	2.3	97.7
	17	1	.0	2.3	100.0
	Total	43	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 7th Admission	8161	41.2		
	-1 Not Answered	14	.1		
	Total	19745	99.8		
	Total	19788	100.0		

DEL_H071 B10hhos: 7th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	19	.1	43.2	43.2
	2 Southmead	21	.1	47.7	90.9
	3 Other	4	.0	9.1	100.0
	Total	44	.2	100.0	
Missing	-10 Not completed	11418	57.7		
	-7 Unresolved	2	.0		
	-3 Not known if admitted	150	.8		
	-2 No 7th Admission	8161	41.2		
	-1 Not Answered	13	.1		
	Total	19744	99.8		
	Total	19788	100.0		

DEL_H072 DV: Gestation at 8th hospital admission (days) (Derived EDD & b10i dates)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	217	1	.0	4.3	4.3
	241	2	.0	8.7	13.0
	251	1	.0	4.3	17.4
	252	1	.0	4.3	21.7
	253	1	.0	4.3	26.1
	255	1	.0	4.3	30.4
	259	1	.0	4.3	34.8
	260	2	.0	8.7	43.5

263	1	.0	4.3	47.8
274	1	.0	4.3	52.2
276	1	.0	4.3	56.5
277	1	.0	4.3	60.9
278	1	.0	4.3	65.2
281	1	.0	4.3	69.6
284	1	.0	4.3	73.9
287	1	.0	4.3	78.3
292	1	.0	4.3	82.6
293	1	.0	4.3	87.0
294	1	.0	4.3	91.3
301	2	.0	8.7	
Total	23	.1	100.0	
Missing				
-10 Not completed	11418	57.7		
-3 Not known if admitted	150	.8		
-2 No 8th Admission	8182	41.3		
-1 Not Answered	15	.1		
Total	19765	99.9		
Total	19788	100.0		

DEL_H073 B10inum: 8th admission: number of days stayed in hospital

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
1	12	.1	50.0	50.0
2	3	.0	12.5	62.5
3	2	.0	8.3	70.8
4	1	.0	4.2	75.0
5	1	.0	4.2	79.2
6	3	.0	12.5	91.7
8	2	.0	8.3	100.0
Total	24	.1	100.0	
Missing				
-10 Not completed	11418	57.7		
-7 Unresolved	1	.0		
-3 Not known if admitted	150	.8		
-2 No 8th Admission	8182	41.3		
-1 Not Answered	13	.1		
Total	19764	99.9		
Total	19788	100.0		

DEL_H074 B10ihos: 8th admission: hospital mother stayed in

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
1 St. Michaels	7	.0	30.4	30.4
2 Southmead	13	.1	56.5	87.0
3 Other	3	.0	13.0	100.0
Total	23	.1	100.0	
Missing				
-10 Not completed	11418	57.7		
-7 Unresolved	1	.0		
-3 Not known if admitted	150	.8		
-2 No 8th Admission	8182	41.3		
-1 Not Answered	14	.1		
Total	19765	99.9		
Total	19788	100.0		

DEL_H075 DV: Gestation at 9th hospital admission (days) (Derived EDD& b10j dates)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	219	1	.0	7.7	7.7
	247	1	.0	7.7	15.4
	252	1	.0	7.7	23.1
	254	1	.0	7.7	30.8
	261	3	.0	23.1	53.8
	264	1	.0	7.7	61.5
	269	1	.0	7.7	69.2
	280	1	.0	7.7	76.9
	282	1	.0	7.7	84.6
	288	1	.0	7.7	92.3
	301	1	.0	7.7	100.0
	Total	13	.1	100.0	
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-2 No 9th Admission	8192	41.4		
	-1 Not Answered	15	.1		
	Total	19775	99.9		
Total		19788	100.0		

DEL_H076 B10jnum: 9th admission: number of days stayed in hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	7	.0	50.0	50.0
	2	1	.0	7.1	57.1
	4	1	.0	7.1	64.3
	5	2	.0	14.3	78.6
	6	1	.0	7.1	85.7
	7	2	.0	14.3	100.0
	Total	14	.1		
				100.0	
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-2 No 9th Admission	8192	41.4		
	-1 Not Answered	14	.1		
	Total	19774	99.9		
Total		19788	100.0		

DEL_H077 B10jhos: 9th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 St. Michaels	6	.0	46.2	46.2
	2 Southmead	6	.0	46.2	92.3
	3 Other	1	.0	7.7	100.0
	Total	13	.1		
				100.0	
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-2 No 9th Admission	8192	41.4		
	-1 Not Answered	15	.1		
	Total	19775	99.9		
Total		19788	100.0		

DEL_H102 DV: Gestation at 18th hospital admission (days)(Derived EDD& b10s dates)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	266	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-2 No 18th Admission	8205	41.5		
	-1 Not Answered	14	.1		
	Total	19787	100.0		
	Total	19788	100.0		

DEL_H103 B10snum: 18th admission: number of days stayed in hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-3 Not known if admitted	150	.8		
	-2 No 18th Admission	8205	41.5		
	-1 Not Answered	14	.1		
	Total	19787	100.0		
	Total	19788	100.0		

DEL_H104 B10shos: 18th admission: hospital mother stayed in

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Southmead	1	.0	100.0	100.0
Missing	-10 Not completed	11418	57.7		
	-3 Not Known if admitted	150	.8		
	-2 No 18th Admission	8205	41.5		
	-1 Not Answered	14	.1		
	Total	19787	100.0		
	Total	19788	100.0		