

# NHS Maternity Statistics, England: 1998-99 to 2000-01

This bulletin summarises information from the Hospital Episode Statistics system relating to NHS maternities in the period 1998-99 to 2000-01 and includes some comparisons with similar data from earlier years.

## KEY FACTS

In 2000-01:

- over 21% of deliveries were induced
- over 21% of deliveries were by caesarean section; more than half of these were emergency caesareans
- about 11% were instrumental deliveries
- women with spontaneous deliveries spent on average 1 day in hospital after delivery, women with instrumental deliveries 1 or 2 days and women with caesarean deliveries 3 or 4 days
- During delivery about 1/3 of women had an epidural, general or spinal anaesthetic
- 14% of women had an episiotomy

Between 1997-98 and 2000-01:

- the caesarean rate increased from 18.2% to 21.5%
- the proportion of women staying in hospital 4 days or more after delivery fell from 21% to 19%

---

<b>Contents</b>	<b>Page</b>
Introduction	2
Analysis and Commentary	
Deliveries	3
complications	8
hospital data	12
Definitions	13
Editorial notes	13
Index to tables	15
Reference tables	16

---

Bulletin 2002/11  
Published April 2002  
Free of charge  
ISBN 1 84182 553 0  
© Crown Copyright 2002

## 1. INTRODUCTION

**1.1** This is the third Statistical Bulletin presenting information derived from the Maternity Hospital Episode Statistics (HES) and covers data for the three years 1998-99 to 2000-01. The first Bulletin covered the first six years of Maternity HES, 1989-90 to 1994-95 and the second bulletin covered years 1995-96 to 1997-98. The bulletin will be published annually from data year 2001-02. Most maternity details are reported on a special extension (the "maternity tail") to the general core HES record. Submission of the tail data has continued to pose substantial problems for the NHS; coverage of hospital deliveries has risen from 60% in 1997-98 to 67% in 2000-01 but has increased only slightly for home deliveries from 11% in 1997-98 to 12% in 2000-01. See Tables 25 and 26.

**1.2** As in the previous Bulletins, the HES data are estimates based on the valid records received. Most of the data are presented as percentages, calculated from those records where the variable(s) under consideration were reported but excluding those where the classification "not known" was used. A further restriction was used for analyses of method of onset of labour and method of delivery in combination.

For such analyses, those records were used only where both variables were known, or where method of delivery was known but method of onset was not.

**1.3** In order to give some idea of the numbers of deliveries with particular features, several England level tables for 2000-01 contain estimates in which the percentages (that are based on records with data) are grossed up to the total number of deliveries in that year (549,600).

**1.4** Caesarean rates are calculated from the maternity tail item *method of delivery*; however, the core HES record does include details of procedures undertaken, and an alternative caesarean rate may be calculated using this variable. Caesarean rates on both bases are shown in Table 36. Those from the core record have the advantage in that they are available for almost all hospitals rather than just those completing the maternity tail. As may be expected, where both rates are available, they do not always match. However, analysis of the operative procedures allows a useful check on the validity of the tail data. The overall England caesarean rate using the core data is only slightly higher than that derived from the tail; this is probably because there are a small number of records

that either have no procedure reported, or report procedure as *not known*. These are more usually spontaneous deliveries.

**1.5** A small amount of data "cleaning" was undertaken prior to analysis as several hospitals inadvertently recorded spontaneous deliveries as "delivery method not known". All the records for the relevant hospitals showing delivery method "not known" have been treated as having delivery method spontaneous, even though a very small number may have been genuinely unknown. Also, several hospitals submitted duplicate data. In almost all cases, the duplicate records had no tail information. Regional and national totals of valid HES records exclude these duplicates, but they remain included in Table 32 for each relevant hospital. A larger than usual number of records in 2000-01 had delivery onset reported as (elective) caesarean but delivery method as emergency caesarean. This has led to slight inconsistencies between Tables 1 and 3. In general, the delivery method better matches the procedure information in the core record, and should be used in preference.

**1.6** Where possible, charts and tables include data from before the Maternity HES

system was introduced. These are taken from the following publications:

*Hospital In-patient Enquiry maternity tables*, ONS series MB4 Nos 8 (covering 1973-1976), 19 (1977-1981) and 28 (1982-1985)

Macfarlane A. and Mugford M. *Birth Counts: Statistics of pregnancy and childbirth. Second Volume. Tables (Second Edition)* (2000) (for caesarean rates prior to 1979 extracted from earlier hospital in-patient enquiry reports)

**1.7** Most of the analyses and tables in this bulletin are similar to those of the previous two bulletins. New in 2000-01 is an analysis of both delivery method and birthweight by ethnic origin (see section 2.18 below). Detailed analysis of interventions by parity and age was again possible in 2000-01 as it was in 1994-95 (see section 2.19 below).

## **2. ANALYSIS AND COMMENTARY**

### **2.1 Overview**

**2.1.1** About 560,000 deliveries took place in England in 2000-01. The number has declined steadily since a peak of about 650,000 in 1990-91. The vast majority are NHS hospital deliveries, though about 2% are home deliveries and 0.5% occur in private hospitals.

**2.1.2** Over half of the NHS hospital deliveries are spontaneous, both in onset and actual delivery, but a substantial proportion of women undergo some kind of intervention. In 2000-01, about 10% of women had an elective caesarean section and 21% were induced (whether surgically or using drugs or both). In total about 21% of women had a caesarean section and 11% required an instrumental delivery. During delivery, about 1/3 of women had an epidural, general or spinal anaesthetic; and 14% of women had an episiotomy.

**2.1.3** Other reported factors may also have affected the course of the delivery. About 5% of women were reported as having a uterine scar (usually from a previous caesarean section); hypertension was a complicating factor in 6% of deliveries; obstructed labour occurred in 4% of deliveries and in 10% labour was recorded as “long”.

**2.1.4** A typical hospital delivery episode starts on the day of delivery, with the woman (and baby) discharged the following day. However, where interventions occur, these have a marked effect, particularly on postnatal stay – women with instrumental deliveries typically stay in hospital for one or two days after

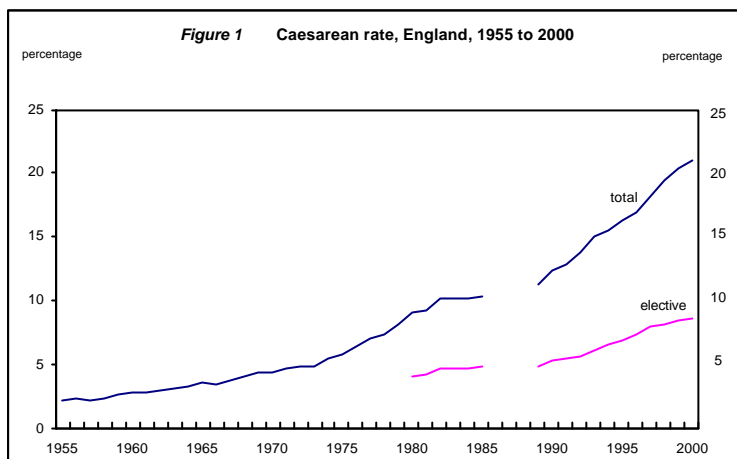
delivery and women delivered by caesarean section typically stay for three or four days.

### **2.2 Method of onset of labour (Tables 1 and 2)**

**2.2.1** Although the majority of women start labour spontaneously, in 2000-01 about 10% had an elective (planned) caesarean section and 21% had labour induced. The proportion of women having an elective caesarean has been increasing slowly, from about 5% in 1989; the proportion induced remained around 17-18% from 1989 to 1993 but has been rising slowly since. Induction may be by oxytocic drugs or by surgical methods such as artificial rupture of membranes (known as ARM) or a combination of both these methods. Since 1989 the trend has been towards greater use of drugs – used in 76% of inductions in 1989 rising to 85% by 1997 – and a marked decrease in the use of surgical methods from 55% of inductions to 40% remaining at about this level since 1994.

### **2.3 Method of delivery (Tables 3 and 4)**

**2.3.1** The proportion of all hospital deliveries that occurred spontaneously in 2000-01 was about 67%, having fallen steadily from 78% in 1989.



**2.3.2** Caesarean delivery rates have continued to climb. From a level of under 3% in the 1950s, the proportion of deliveries that were by caesarean section rose to 9% by 1980, and 12% by 1990. During the 1990s the rate has increased more rapidly, reaching 21% by 2000. (Figure 1)

**2.3.3** Instrumental deliveries account for most of the remaining cases. Throughout the 1990s, the proportion of instrumental deliveries has remained around 10%. Within this, there has been a marked shift in the type of instrumental delivery (Figure 2). In 1989, forceps were used in 83% of instrumental deliveries and ventouse (vacuum extraction) in only 17%; by 2000, 65% of instrumental deliveries were by ventouse.

## 2.4 Method of onset and method of delivery (Table 5)

**2.4.1** The relationship between method of onset of

labour and method of delivery in 2000-01 is summarised in Table A below. Where onset was spontaneous, three-quarters of deliveries were spontaneous; a further 12% were instrumental and 11% were by emergency caesarean section. A similar pattern was observed for surgically induced deliveries, but with slightly fewer spontaneous deliveries and more by caesarean section. Where delivery was induced by drugs, whether or not surgical induction was also attempted, only two thirds of women were delivered

spontaneously, with about 15% having instrumental deliveries and 20% emergency caesareans.

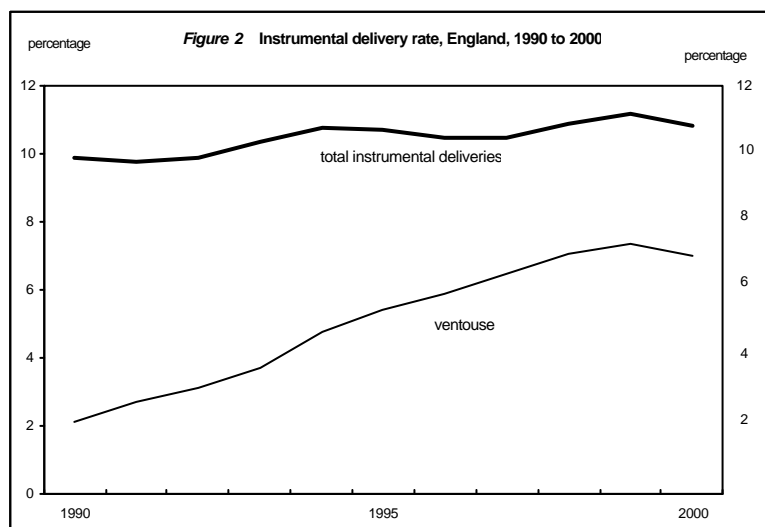
**2.4.2** Overall, about 53% of women had a spontaneous labour and delivery, without induction, the use of instruments or caesarean section.

## 2.5 Duration of antenatal stay (Tables 6 and 7)

**2.5.1** In 2000-01, about 57% of deliveries took place on the same day as admission to hospital and about 32% took place on the next day. These proportions have remained very much the same since 1989-90. Only 3% of deliveries in 2000-01 took place after a stay of 4 or more days; in 1989-90 the proportion was about 5%.

## 2.6 Duration of postnatal stay (Tables 9 and 10)

**2.6.1** In 2000-01, about 13% of women left hospital on the same day as



England		percentages			estimated total number of deliveries (=100%)
method of onset	method of delivery				
	spontaneous	instrumental	caesarean		
spontaneous	77	12	11	377,400	
induction (surgical)	74	12	14	19,500	
induction (surgical & drug)	66	15	20	31,700	
induction (drugs)	66	15	19	66,800	
caesarean	0	0	100	54,100	
total	68	11	21	549,600	

delivery took place, about 33% left the next day, 20% two days later and 14% three days later. The changes since 1997-98 continue the trend towards shorter postnatal stay that had been apparent through the early and mid 1990s. In 1989-90, nearly 40% of women remained in hospital for 4 or more days after delivery; by 2000-01, the proportion was only 19%.

## 2.7 Method of onset, method of delivery and duration of stay (Tables 8 and 11)

**2.7.1** Women whose delivery in 2000-01 was spontaneous in onset and proceeded without induction, instrumental assistance or caesarean section generally had their delivery on the day they were admitted (71%) or on the day after (26%). By the day after delivery, 64% had left hospital and a further 21% left two days after delivery. Where neither onset nor delivery were spontaneous, both

antenatal and postnatal stays were longer.

**2.7.2** Patterns of postnatal stay suggest a strong relationship with method of delivery. About 55% of women who gave birth spontaneously after induction left hospital by the day after delivery and a further 25% left two days after; these figures are not very different from those for women with spontaneous delivery and onset. Women with an instrumental delivery typically spent 1 or 2 days in hospital after delivery, regardless of whether onset was spontaneous or induced. Women delivered by caesarean section typically spent 3 or 4 days in hospital after delivery, regardless of whether the caesarean was elective or performed in an emergency after spontaneous onset or after induction.

**2.7.3** The duration of antenatal stay is not clearly related to either method of onset or method of delivery. This may be because the

course of the delivery can be determined by the duration of labour, which forms part of the antenatal stay. Most women who had an elective caesarean in 2000-01 were operated on the day they were admitted (52%) or the following day (33%). Where spontaneous onset was followed by instrumental delivery or emergency caesarean, delivery generally occurred on the day of admission (54%) or the next day (nearly 38%). Spontaneous delivery following induction occurred on the day of admission in 33% of cases but was more typically on the next day (43%). The longest antenatal stays were in cases where induction was followed by an instrumental delivery or by an emergency caesarean: about 17% of such deliveries took place on the day of admission, but more typically delivery occurred the following day (over 40%) or the day after that (23%).

## 2.8 Person conducting delivery (Tables 12 and 13)

**2.8.1** In 2000-01, about 33% of deliveries were conducted by hospital doctors and 66% by midwives. The overall balance between the professions has changed steadily since 1989-90 when about 24% of deliveries were conducted

by doctors and 76% by midwives. This shift reflects the changing pattern of delivery method. Virtually all spontaneous deliveries are conducted by midwives; doctors conduct caesareans and all but about 10% of instrumental deliveries.

## **2.9 Place of delivery (Tables 14, 15 and 16)**

**2.9.1** Almost all hospital deliveries take place in what are designated consultant wards or combined consultant/GP wards. In 2000-01 2% of deliveries were reported as being on GP wards and 2% on midwife wards.

**2.9.2** Although the vast majority of hospital deliveries are intended to take place in that setting, about 0.2% of hospital deliveries in 2000-01 were reported as originally intended to take place at a domestic address. This suggests that about 2,200 women who intended to have a home delivery ended up giving birth in hospital. In 71% of these cases, the reason for changing location was reported as being clinical; nearly half the decisions to change were reported as being made during labour.

**2.9.3** As was noted in the introduction, data were available for only about 12% of home deliveries in 2000-01. Grossing up from these records, among which

about 34% had reported a change from intended location, suggests that nearly 4,000 of the 11,600 home deliveries had actually been intended to take place in hospital. This may be an overestimate as such cases are more likely than intended home deliveries to generate a HES record. In two-thirds of the hospital-intended home deliveries the reason for change was reported as "unintentional", ie the delivery occurred spontaneously before the woman could be taken to hospital.

## **2.10 Episiotomy (Tables 17 and 18)**

**2.10.1** Episiotomies were reported in about 14% of deliveries in 2000-01, continuing the downward trend apparent since the early 1990s when the level was over 20%. The fall is not entirely attributable to the increasing rate of caesarean sections. The proportion of instrumental deliveries with episiotomy has remained stable at about 70-75% for forceps and 60% for ventouse, though there may be some under-reporting in these cases. For spontaneous deliveries, the proportion with episiotomy reported has fallen from 21% in 1989-90 to 10% in 2000-01. Not unexpectedly, as in earlier years, episiotomies were hardly ever reported with elective caesareans in 2000-01 and

only rarely with emergency caesareans.

## **2.11 Anaesthetics before delivery (Tables 19 and 20)**

**2.11.1** In 2000-01, about 24% of women had an epidural before or during delivery, 3% had a general anaesthetic and 10% a spinal anaesthetic. The use of anaesthetics varies according to the type of delivery and for some types has changed over time.

**2.11.2** Where both onset and delivery were spontaneous, about 13% of women had an epidural, only slightly more than the 9% reported in 1989-90. Where onset was spontaneous followed by instrumental delivery just under half (48%) had an epidural, as in each year since 1989-90. Where onset was induced but delivery spontaneous, 24% had an epidural in 2000-01, a slightly higher proportion than in the early 1990s; for inductions followed by an instrumental delivery about 60% had an epidural. In all these four groups, there has been negligible use of general or spinal anaesthetic.

**2.11.3** The principal changes in anaesthetic use have occurred where women have caesarean sections. In 1989-90, over 50% of women having an elective caesarean had a

England	percentages		
length of gestation (weeks)	method of onset of labour		
	caesarean	spontaneous	induced
Total	100	100	100
under 32	3	1	2
32 to 36	11	6	5
37	11	5	6
38	40	12	13
39	22	23	13
40	7	34	20
41	5	17	30
over 42	2	3	11

general anaesthetic; by 2000-01 the proportion had fallen to 10%. In 1989-90, over 30% had an epidural but the proportion has now fallen to 10%. To balance these reductions, the proportion with a spinal anaesthetic has risen from 11% to 60% and a further 8% of women in 2000-01 had both epidural and spinal anaesthetic.

**2.11.4** Women undergoing emergency caesarean section, whether with onset spontaneous or induced, have a different pattern again. In 1989-90, over half had a general anaesthetic but by 2000-01 this had fallen to about 13%; the use of epidural alone has risen from about 25% to about 35%; and of spinal from less than 5% to about 25%. Use of more than one type of anaesthetic whether sequentially or in combination, is more common with emergency caesareans. In 1989-90

about 10% of cases involved both general and epidural anaesthetics. This fell to 3% by 2000-01. The use of both epidural and spinal anaesthetics has risen from hardly any to about 6%.

## 2.12 Gestation (Table 21)

**2.12.1** In 2000-01, about 88% of deliveries occurred between 37 and 41 weeks of gestation. About 5% occurred after a longer gestation (ie were post-term). The remaining 7% of deliveries were preterm ie occurred before 36 completed weeks of gestation. The majority of pre-term deliveries occurred after at least 32 weeks of gestation, but 0.8% of all deliveries were reported as occurring between 28 and 31 weeks and 0.5% before 28 weeks of gestation.

**2.12.2** The pattern for multiple deliveries was somewhat different. About

half of twin deliveries were pre-term. Although most of these occurred after at least 32 weeks of gestation, 6% of all twin deliveries were reported as occurring between 28 and 31 weeks and 3% before the 28 weeks of gestation. Triplet and higher order deliveries were even less likely to reach full term. Of the estimated 230 deliveries, nearly 90% were pre-term; a third occurred before the 32 weeks of gestation.

**2.12.3** The pattern differed also according to the method of onset of labour. 40% of elective caesarean deliveries were carried out at 38 weeks of gestation and over half the remainder (32% of all elective caesareans) at 37 or 39 weeks of gestation. Deliveries with spontaneous onset occurred most often at 40 weeks of gestation (34%), at 39 weeks of gestation (23%) or at 41 weeks of gestation (17%). About 22% of deliveries where labour had been induced took place at 40 and 33% at 41 weeks of gestation, with 11% at 42 weeks or later. (Table B)

## 2.13 Birthweight (Tables 22 and 23)

**2.13.1** The majority of singleton deliveries in 2000-01 were of babies weighing between 2500 and 4499 grams (about 5½ to 10 lbs). Under 2% of singleton babies weighed 4500g or

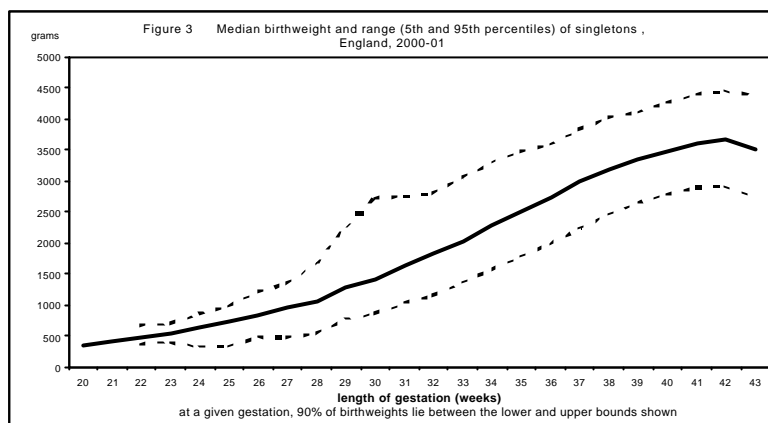
more, but about 5% were low (but not very low) birthweight (between 1500 and 2499 grams) and a further 1% were very low birthweight (under 1500 grams).

**2.13.2** The estimated overall stillbirth rate among singleton babies in 2000-01 was about 5 per 1000 live and still births. The rate varied markedly with birthweight, from 290 per 1000 (ie 29%) for babies weighing under 1000 grams to about 1 per 1000 for babies weighing 3000 grams or more.

**2.13.3** Birthweight is clearly related to gestation, though for any given gestational age there is a wide spread of birthweights. The median birthweight for singleton babies born at 26 weeks in 2000-01 was about 850 grams (ie half the babies born at this gestational age weighed more than 850 grams and half weighed less). For every week of gestation up to 32 weeks the median birthweight increased by about 160 grams; from 32 to 38 weeks the median birthweight was 230 grams higher for every week. (Figure 3).

## **2.14 Day of week of delivery (Table 24)**

**2.14.1** If deliveries occurred randomly, then 1 in 7 (14.3%) would be expected to take place on



each day of the week. In 2000-01, however, more deliveries occurred on a Wednesday (15.4%) or Thursday (15.6%) than on any other day, with Tuesday and Friday also above average. Fewer than average deliveries occurred on a Saturday (12.8%) or on a Sunday (11.9%). These and all other figures in this section have been adjusted to allow for the fact that 2000-01 included 53 Saturdays and 52 of each of the other days.

**2.14.2** As in previous years, there were marked differences in the pattern, according to the method of onset of labour. Where onset was spontaneous, there was very little variation between days, with Monday to Thursday slightly above average and Saturday and Sunday slightly below. This broadly level pattern was observed even where there was some subsequent intervention in the form of an instrumental delivery or an emergency caesarean section.

**2.14.3** Where labour was induced, deliveries were more likely on Tuesday to Saturday and somewhat less likely on Monday and, in particular, on Sunday. Again, the pattern was similar regardless of whether the actual delivery was spontaneous, instrumental or by caesarean section. Deliveries by elective caesarean section rarely occurred at the weekend and were most likely to take place on Tuesday to Friday. Only 5.5% of all elective caesareans took place on a Saturday or a Sunday.

## **2.15 Complications during the delivery episode (Tables 27 and 28)**

**2.15.1** Hypertensive disorders and oedema during pregnancy were recorded in about 7% of deliveries in 2000-01. Abnormality of the pelvic organs was recorded in about 6.5% of deliveries; most of these cases were uterine scars resulting from a previous caesarean section.

Table C Deliveries with selected complications by method of onset of labour and by delivery, 2000-01

	method of onset						method of delivery			estimated total number of cases (=100%)
	method of onset			method of delivery			percentages			
	spont-aneous	induced	caes-arean	spont-aneous	instru-mental	caes-arean				
pre-eclampsia	20	51	29	42	10	49	9,700			
hypertension	28	62	10	72	9	19	23,200			
malpresentation of fetus	33	6	61	18	3	79	26,000			
uterine scar from previous surgery	12	1	86	3	1	96	29,600			
prolonged pregnancy	15	84	1	84	7	8	34,900			
prolonged labour 1st stage	72	27	1	27	11	62	12,800			
prolonged labour 2nd	77	23	0	17	70	13	40,600			

**2.15.2** The principal recorded complications of labour and delivery were perineal laceration (recorded in 35% of deliveries), fetal stress (21.5%), prolonged 2<sup>nd</sup> stage of labour (7.4%) and postpartum haemorrhage (6.1%).

**2.15.3** The existence of complications such as those mentioned above may affect decisions about onset of labour or method of delivery. Table C shows that in 62% of cases where hypertension was recorded, labour was induced; such cases accounted for about 1 in 7 of all induced deliveries. Labour was also induced in over three-quarters of cases of prolonged pregnancy, and these accounted for about 30% of all inductions.

**2.15.4** In 61% of the cases where mal-presentation of the fetus was reported, the woman had a planned caesarean section; an emergency caesarean was carried out in a further 18% of cases. Malpresentation of

the fetus accounted for about a quarter of planned caesarean sections and about 10% of emergency caesareans.

**2.15.5** About 86% of women whose records indicated that they had a scar from a previous caesarean section had a planned caesarean; a further 10% had an emergency caesarean, with only 4% reported as having a non-caesarean delivery. Women with a reported scar from a previous caesarean accounted for about 41% of planned caesarean sections and about 8% of emergency caesareans.

**2.15.6** Over half of women with prolonged first stage of labour had an emergency caesarean, accounting for about 10% of all emergency caesareans. A prolonged second stage of labour most commonly led to an instrumental delivery (about 2/3 cases) and these accounted for over 40% of instrumental deliveries.

## 2.16 Complications during home deliveries

**2.16.1** The main complication of labour and delivery recorded with home deliveries in 2000-01 was perineal laceration, recorded in 29% of cases. Fetal stress was recorded in about 2% of home deliveries and four conditions were each reported in about 1% of deliveries: postpartum haemorrhage, retained placenta without haemorrhage, abnormalities of forces of labour and prolonged 2<sup>nd</sup> stage of labour.

Table D Ethnic group by method of onset of delivery and method of delivery, England, 2000-01

method of onset	method of delivery	ethnic group			
		Asian	Black	Chinese & other	White
		percentages			
TOTAL		100	100	100	100
spontaneous	spontaneous	59	54	56	52
	instrumental	7	5	9	8
	caesarean	7	11	8	7
induced	spontaneous	13	13	11	15
	instrumental	2	2	3	3
	caesarean	3	4	4	4
caesarean	caesarean	8	10	9	10

	percentages		
	Asian	Black	White
Total	100.0	100.0	100.0
under 2500g	10.8	8.6	5.7
2500-2999g	28.6	19.3	14.9
3000-3499g	39.4	38.4	35.8
3500-3999g	17.2	25.1	31.1
over 4000g	4.0	8.6	12.6

## 2.17 Complications in non-delivery obstetric episodes (Table 29)

**2.17.1** Each year, some 400,000 non-delivery obstetric episodes are recorded. A small number of these may form part of the hospital stay during which delivery takes place. It is not possible currently to ascertain how many such episodes there are, but the data show that over 95% are single-episode hospital stays and thus arise on an occasion separate from delivery. It is also not currently possible to estimate how many *different* women have non-delivery obstetric hospital episodes.

**2.17.2** The main obstetric conditions reported in non-delivery episodes in 2000-01 were fetal problems (an estimated 57,000 episodes), false labour (42,000), hypertension and oedema (31,000), antepartum haemorrhage (16,000), genitourinary tract infections (10,000), premature rupture of membranes (8,000),

haemorrhage in early pregnancy (6,000) and excessive vomiting in pregnancy (7,000).

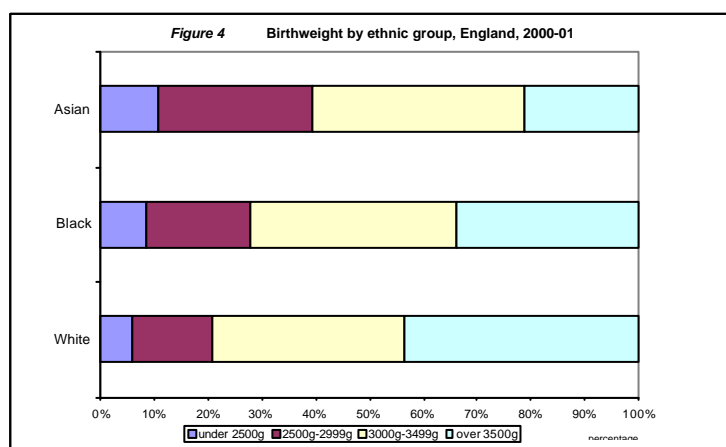
## 2.18 Ethnic Group

**2.18.1** Information about ethnic group has been collected in HES since 1995 but coverage remains incomplete. In 2000-01 ethnic group was recorded in about 76% of delivery records. For this analysis, undertaken in 2000-01 for the first time, the ethnic categories have been grouped as follows: White; Black [aggregate of Black African, Black Caribbean and Black Other]; Asian [Indian, Pakistani, Bangladeshi]; and Chinese & Other [Chinese and Other

(including mixed ethnic origin)].

**2.18.2** There were differences in 2000-01 between ethnic groups in methods of onset of labour and in methods of delivery. About 22% of white women were induced compared with around 19% of Black and Asian women. Fewer Asian women had elective caesareans (8%) compared with about 10% for the other groups. When onset was spontaneous more black women had emergency caesareans (15% of those with spontaneous onset) compared with around 10% for other groups. (Table D)

**2.18.3** There were marked differences in birthweight between ethnic groups. Analysis of singleton births showed that low birthweight babies comprised about 11% of Asian women's babies, compared with 9% of Black and 6% of White women's babies. Differences at higher birthweights were even more marked. Only



21% of Asian women's babies weighed more than 3500g compared with nearly 44% of White women's babies, 34% of Black women's babies and 36% of babies of women in the Chinese & Other Group. (Table E & Figure 4)

## 2.19 Parity and age

**2.19.1** Information about parity was available for 2000-01 after a gap of four years. Analysis by parity and age shows a trend in the late 1990s towards fewer deliveries being first-time mothers. In 1985 and 1995-96 43% of deliveries were to nulliparous women, but by 2000-01 the proportion had fallen to 38% (Table F). The trend towards deliveries at older ages, already apparent since 1975, continued in the late 1990s. In 2000-01, about 16% of deliveries were to women aged 35 or over, compared with 12% in 1995-96 and 8% in 1985.

**2.19.2.** As was the case in 1994-95, the last time this analysis was undertaken, methods of onset and delivery were highly related to both parity and age in 2000-01 (Table G). Singleton deliveries in 2000-01 were by elective caesarean for 5% of women aged under 25, for 9% of those aged 25-34 and 15% of those aged 35 or over, proportions only slightly higher than those observed in 1994-95. As before,

England		percentage of all deliveries		
age	parity	1985	1995-96	2000-01
all ages	total	100	100	100
	0	43	43	38
	1 to 3	54	53	55
	4+	3	4	6
under 25	total	39	27	26
	0	24	16	15
	1 to 3	15	11	11
	4+	0	0	0
25-34	total	53	62	58
	0	18	24	20
	1 to 3	33	35	34
	4+	2	3	4
35 and over	total	8	12	16
	0	1	3	3
	1 to 3	5	8	10
	4+	1	1	2

within each age group primiparous women were less likely to have an elective caesarean. Among women who did not have an elective caesarean, about 12% in each age group had an instrumental delivery. As before, this apparent similarity concealed wide differences between women with no previous pregnancies (of whom 21% had an instrumental delivery) and those with one

or more (7%). There were also wide differences by age, for example the instrumental delivery rate for primiparous women aged 35 or over was nearly double that of women aged under 25 (27% compared with 15%). A similar pattern was again observed for emergency caesareans: rates were higher for primiparous women and also higher with age in contrast to the pattern for

England		percentages							
age	parity	method of onset				method of delivery			
		elective caesareans as % all deliveries		induction as % of all deliveries excluding electives		instrumental deliveries as % of all deliveries excl elective caesareans		emergency caesareans as % of all excluding elective caesareans	
		single-tons	multiples	single-tons	multiples	single-tons	multiples	single-tons	multiples
all ages	total	9	31	23	33	12	16	13	37
	0	6	33	25	34	21	24	18	44
	1+	11	29	22	32	7	11	10	33
<25	total	5	23	22	27	11	16	11	30
	0	4	22	23	30	15	22	13	33
	1+	7	23	21	24	5	10	8	27
25-34	total	9	30	23	34	13	16	14	37
	0	7	32	25	34	24	24	21	47
	1+	10	29	22	33	7	11	10	32
35+	total	15	37	25	34	12	15	17	40
	0	12	47	29	38	27	30	29	50
	1+	16	34	23	33	8	10	13	37

elective caesareans, where rates were also higher with age, but were lower for primiparous women). Analysis of multiple deliveries showed a similar pattern to singleton deliveries but intervention rates were generally substantially higher.

**2.19.3** The use of episiotomy in spontaneous singleton deliveries was different for primiparous women (recorded in 19% of cases) than for women with one or more previous pregnancies (7%). There was relatively little variation by age (Table H). For instrumental deliveries, where the episiotomy rate is in any case much higher, there was a less marked difference by parity.

**2.19.4** The data by parity can be used to construct an age profile of women who gave birth for the first time. About half of first time mothers in 2000-01 were aged 27 or under. Below this age there was a peak in the distribution at ages 19-20, but there was a second peak at age 29 which was, in 2000-01 the commonest single age for first-time mothers (Figure 5). The pattern in 2000-01 was quite different from that in 1990-91, when there was a single peak at age 25-26, with just a hint of an emerging secondary peak at age 19.

England		percentage of deliveries with mention of episiotomy			
age	parity	spontaneous deliveries		instrumental deliveries	
		singletons	multiples	singletons	multiples
all ages	total	11	11	69	43
	0	19	24	71	57
	1+	7	7	66	26
<25	total	11	11	69	48
	0	17	18	71	56
	1+	5	6	62	34
25-34	total	12	13	71	46
	0	22	26	71	57
	1+	8	8	72	31
35 and over	total	8	10	60	42
	0	21	31	70	55
	1+	6	7	52	30

## 2.20 Conditions affecting newborn babies (Tables 30 and 31)

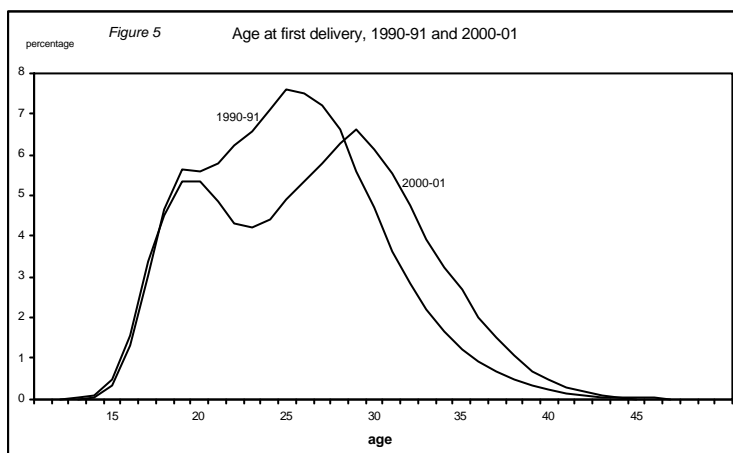
**2.20.1** Details of conditions affecting newborn babies are recorded in HES birth episodes (ie hospital episodes that commence at birth and are not initiated on transfer from another episode or on separate admission to hospital, regardless of the age of the baby).

**2.20.2** The most common conditions reported in 2000-01 were respiratory disorders: intrauterine hypoxia in 6% of births (an estimated 35,000 babies), birth asphyxia in 1% (6,000) and respiratory distress in 3% (15,000). Neonatal jaundice was reported in 6% of births. Conditions under the heading of birth trauma were relatively rare. Birth injury to scalp was the most common of these, reported

in 1% of cases (about 6,000 babies). Not unexpectedly, the incidence of scalp injury appears to be related to method of delivery. There were very few such cases where delivery was spontaneous, or where the baby was delivered by planned caesarean section; but scalp injury was reported in about 5% of instrumental deliveries and in about 1% of emergency caesarean section deliveries.

## 2.21 Hospital data (Tables 32 to 36)

**2.21.1** This section examines in more detail the information about method of onset of labour and method of delivery for each NHS Trust providing maternity services in England. Most trusts have one principal hospital site with delivery facilities. In general all deliveries recorded by these trusts are shown under the name of



that hospital. Where information is available about individual smaller units with delivery facilities, these are shown separately, although only a very few trusts currently provide information that enables different sites to be distinguished.

**2.21.2** For the 146 hospitals where tail data were available in 2000-01 the majority reported induction of labour being used in between 15% and 27% of deliveries. The majority range for caesarean onset (ie of elective caesareans) was from about 5% to 12%, though a few reported no elective caesareans. These are likely to be units providing only community-based delivery services.

**2.21.3** Of the 199 separately identified hospitals or trusts, 194 had usable core record data for calculating the total caesarean rate (see section 1.4 above). With the exception of a few small

community-based units with zero or very low caesarean rates, the majority of hospitals had rates in 2000-01 in the range 10-29; two units reported a caesarean rate of 30% in 2000-01.

**2.21.4** Information about instrumental deliveries is available for 137 units. The proportion of instrumental deliveries that were reported as using the vacuum/ventouse method ranged from about 35% to 100%, though the majority reported between 40% and 80%.

### 3. DEFINITIONS

**3.1** A list of the data items collected in the HES maternity tail, together with their classifications, is in Annex A.

**3.2** For most analyses by method of delivery, the methods (see Annex A for the full list) have been aggregated into three groups:

*spontaneous* includes deliveries recorded as

spontaneous vertex, spontaneous other and breech

*instrumental* includes deliveries recorded as low forceps, other forceps, ventouse and breech extraction

*caesarean* includes deliveries recorded as elective caesarean and emergency caesarean

cases with method of delivery *other* or *not known* are excluded.

**3.3** The hospitals identified in Tables 32 to 36 are those in existence during 2000-01. Time series may include data for hospitals that have now closed, or that formerly provided maternity services but no longer do so. The hospitals are listed within Health Authorities and Regional Office areas that were current for 2000-01. Where regional figures are shown in Tables 2 to 26, these are aggregates using the 2000-01 regional boundaries.

### 4. EDITORIAL NOTES

**4.1** Data are subject to rounding and totals may not agree with the sum of the component figures shown.

**4.2** The following symbols are used in the tables:

.. = not available

**4.3** Enquiries about the data or requests for further information should be addressed to:

Lesz Lancucki

Statistics Division 2B  
Department of Health  
Room 438B  
Skipton House  
80 London Road  
London  
SE1 6LH

tel: 020 7972 5533  
fax: 020 7972 5662

e-mail:  
[lesz.lancucki@doh.gsi.gov.uk](mailto:lesz.lancucki@doh.gsi.gov.uk)

**4.4** Extracts from this publication may be reproduced provided a reference to the source is given.

**4.5** Further copies of this bulletin can be obtained from:

Department of Health  
PO Box 777  
London  
SE1 6XH

tel: 08701 555 455  
fax: 01623 724 524

e-mail  
[doh@prologistics.co.uk](mailto:doh@prologistics.co.uk)

**4.6** This bulletin can also be found on the Department of Health website:

[www.doh.gov.uk/public/sb0211.htm](http://www.doh.gov.uk/public/sb0211.htm)

Bulletins covering earlier years' data are also available on the website.

For years 1995-96 to 1997-98 see:

[www.doh.gov.uk/public/sb0114.htm](http://www.doh.gov.uk/public/sb0114.htm)

For years 1989-90 to 1994-95 see:

[www.doh.gov.uk/public/sb9728.htm](http://www.doh.gov.uk/public/sb9728.htm)

## INDEX TO TABLES

<b>Table number</b>	<b>Description</b>	<b>Page number</b>
Table 1	NHS hospital deliveries: method of onset of labour, 1980 to 2000-01	16
Table 2	NHS hospital deliveries: method of onset of labour by region, 1998-99 to 2000-01	16
Table 3	NHS hospital deliveries: method of delivery, 1980 to 2000-01	17
Table 4	NHS hospital deliveries: method of delivery by region, 1998-99 to 2000-01	17
Table 5	NHS hospital deliveries: method of delivery by method of onset of labour, 2000-01	17
Table 6	NHS hospital deliveries: duration of antenatal stay, 1980 to 2000-01	18
Table 7	NHS hospital deliveries: duration of antenatal stay by region, 1998-99 to 2000-01	18
Table 8	NHS hospital deliveries: duration of antenatal stay by method of onset of labour and method of delivery, 2000-01	18
Table 9	NHS hospital deliveries: duration of postnatal stay, 1975 to 2000-01	19
Table 10	NHS hospital deliveries: duration of postnatal stay by region, 1998-99 to 2000-01	19
Table 11	NHS hospital deliveries: duration of postnatal stay by method of onset of labour and method of delivery, 2000-01	19
Table 12	NHS hospital deliveries: person conducting delivery, 1989-90 to 2000-01	20
Table 13	NHS hospital deliveries: person conducting delivery by region, 1998-99 to 2000-01	20
Table 14	NHS hospital deliveries: place of delivery, 1989-90 to 2000-01	21
Table 15	NHS hospital deliveries: place of delivery by region, 1998-99 to 2000-01	21
Table 16	NHS deliveries: reason for change of delivery location by intended and actual location, 2000-01	21
Table 17	NHS hospital deliveries: deliveries with episiotomy by method of delivery, 1975 to 2000-01	22
Table 18	NHS hospital deliveries: deliveries with episiotomy by method of delivery and region, 1998-99 to 2000-01	22
Table 19	NHS hospital deliveries: anaesthetics used before or during delivery by method of onset of labour and method of delivery, 2000-01	23
Table 20	NHS hospital deliveries: anaesthetics used before or during delivery by method of onset of labour and method of delivery, 1989-90 to 2000-01	23
Table 21	NHS hospital deliveries: total, singleton, twin and higher order multiple deliveries by gestation, 2000-01	24
Table 22	NHS hospital deliveries: singleton and multiple deliveries by birthweight, 2000-01	24
Table 23	NHS hospital deliveries: median birthweight of singleton, twin and triplet deliveries by gestation, 2000-01	25
Table 24	NHS hospital deliveries by day of week and by method of onset of labour and method of delivery, 2000-01	25
Table 25	Coverage of Maternity HES by place of delivery, 1989-90 to 2000-01	26
Table 26	NHS hospital deliveries: coverage of Maternity HES by region, 1998-99 to 2000-01	26
Table 27	NHS hospital deliveries: deliveries with antenatal, delivery or postnatal complications, 1998-99 to 2000-01	27
Table 28	NHS hospital deliveries: deliveries with selected complications by method of onset of labour and method of delivery, 2000-01	27
Table 29	Non-delivery obstetric NHS hospital episodes by condition, 1998-99 to 2000-01	28
Table 30	NHS hospital births: births with complications, 1998-99 to 2000-01	29
Table 31	NHS hospital births: births with selected complications by method of onset of labour and method of delivery, 2000-01	29
Table 32	Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01	30
Table 33	Method of onset of labour and method of delivery, by hospital, 2000-01	34
Table 34	Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01	38
Table 35	Spontaneous and instrumental deliveries, by hospital, 1998-99 to 2000-01	42
Table 36	Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01	46

Table 1

## NHS hospital deliveries: method of onset of labour, 1980 to 2000-01

	Total number of deliveries (=100%)	Method of onset of labour					
		Spontaneous	Caesarean section	Induction			
				Total	Surgical induction	Oxytocic drugs	Surgical and drugs
1980	601,500	75.4	4.0	20.6	. .	. .	. .
1985	605,100	77.6	4.9	17.5	. .	. .	. .
1989-90	633,500	76.7	5.0	18.3	4.3	8.1	5.9
1990-91	652,100	76.9	5.3	17.7	3.6	8.4	5.7
1991-92	643,800	76.7	5.6	17.6	3.0	9.7	5.0
1992-93	624,600	77.5	5.7	16.8	2.9	9.4	4.4
1993-94	620,200	76.0	6.2	17.7	2.8	10.3	4.7
1994-95	604,300	73.7	6.8	19.5	2.9	11.7	4.9
1995-96	592,600	72.6	7.2	20.2	3.1	12.3	4.8
1996-97	594,500	71.6	7.7	20.7	3.2	12.5	5.0
1997-98	585,000	70.3	8.4	21.3	3.3	12.9	5.1
1998-99	577,500	69.4	8.9	21.7	3.3	13.0	5.4
1999-00	565,300	68.5	9.6	21.8	3.5	12.6	5.7
2000-01	549,600	68.7	9.8	21.5	3.6	12.2	5.8

Source: HIPE, HES

Table 2

## NHS hospital deliveries: method of onset of labour by region, 1998-99 to 2000-01

		Total	Spontaneous	Caesarean section	Induction			
					Total	Surgical induction	Oxytocic drugs	Surgical and drugs
<b>ENGLAND</b>	<b>1998-99</b>	<b>100</b>	<b>69</b>	<b>9</b>	<b>22</b>	<b>3</b>	<b>13</b>	<b>5</b>
	<b>1999-00</b>	<b>100</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>3</b>	<b>13</b>	<b>6</b>
	<b>2000-01</b>	<b>100</b>	<b>68</b>	<b>10</b>	<b>21</b>	<b>4</b>	<b>12</b>	<b>6</b>
Northern & Yorkshire	1998-99	100	71	8	21	3	14	5
	1999-00	100	70	8	22	3	13	5
	2000-01	100	70	8	22	3	13	6
Trent	1998-99	100	71	8	20	2	9	9
	1999-00	100	69	9	22	3	11	8
	2000-01	100	68	9	23	4	11	8
Eastern	1998-99	100	68	9	23	3	15	5
	1999-00	100	67	10	23	3	15	5
	2000-01	100	68	10	22	3	15	4
London	1998-99	100	73	8	18	2	11	5
	1999-00	100	72	9	19	3	12	4
	2000-01	100	73	10	18	2	12	4
South East	1998-99	100	68	9	23	4	14	5
	1999-00	100	69	9	22	4	12	6
	2000-01	100	68	10	22	4	11	6
South West	1998-99	100	69	9	22	4	14	4
	1999-00	100	66	11	23	5	15	3
	2000-01	100	65	12	23	5	15	3
West Midlands	1998-99	100	68	10	22	4	13	5
	1999-00	100	67	11	22	4	12	6
	2000-01	100	69	10	21	4	11	7
North West	1998-99	100	67	9	23	3	13	7
	1999-00	100	67	10	23	4	12	7
	2000-01	100	67	10	23	4	12	7

Source: HES

Table 3

NHS hospital deliveries: method of delivery, 1980 to 2000-01

England

percentages

	Total number of deliveries (=100%)	Method of delivery										
		Spontaneous		Forceps		Ventouse	Breech	Breech extraction	Caesarean			Other
		Vertex	Other	Low	Other				Total	Elective	Emergency	
1980	601,500	75.5	1.0	6.2	5.1	0.7	1.2	1.3	9.0	4.0	5.0	0.1
1982	574,600	75.8	1.1	5.7	4.6	0.6	1.0	1.0	10.1	4.6	5.5	0.0
1983	578,400	75.3	2.1	5.6	4.2	0.6	0.9	1.0	10.1	4.6	5.5	0.1
1984	586,100	75.8	2.0	5.5	4.2	0.6	0.9	0.9	10.1	4.6	5.5	0.1
1985	605,100	75.4	2.5	5.3	3.8	0.7	0.9	0.9	10.4	4.9	5.5	0.1
1989-90	633,500	76.7	1.4	3.9	3.9	1.6	0.8	0.3	11.3	4.9	6.3	0.2
1990-91	652,100	75.6	1.1	4.0	3.5	2.1	0.8	0.3	12.4	5.3	7.1	0.1
1991-92	643,800	75.1	1.2	3.9	3.0	2.7	0.8	0.2	12.9	5.5	7.4	0.2
1992-93	624,600	74.4	1.1	3.6	3.0	3.1	0.7	0.2	13.8	5.6	8.1	0.2
1993-94	620,200	72.5	1.3	3.5	3.0	3.7	0.7	0.2	15.0	6.1	8.9	0.2
1994-95	604,300	71.5	1.3	3.3	2.5	4.8	0.7	0.2	15.5	6.5	9.0	0.2
1995-96	592,600	70.8	1.5	2.8	2.3	5.4	0.7	0.2	16.3	6.9	9.5	0.1
1996-97	594,500	70.6	1.1	2.4	2.1	5.9	0.7	0.1	17.0	7.3	9.7	0.3
1997-98	585,000	69.2	1.0	2.2	1.7	6.5	0.5	0.1	18.2	7.9	10.4	0.5
1998-99	577,500	67.7	1.2	2.0	1.7	7.1	0.5	0.1	19.1	8.0	11.1	0.6
1999-00	565,300	66.3	1.1	2.0	1.8	7.4	0.4	0.1	20.6	8.6	12.0	0.4
2000-01	549,600	65.1	1.5	2.1	1.7	7.2	0.5	0.1	21.5	8.8	12.7	0.4

Source: HIPE, HES

Table 4

NHS hospital deliveries: method of delivery by region, 1998-99 to 2000-01

percentages

		Total	Method of delivery										
			Spontaneous		Forceps		Ventouse	Breech	Breech extraction	Caesarean			Other
			Vertex	Other	Low	Other				Total	Elective	Emergency	
<b>ENGLAND</b>	<b>1998-99</b>	<b>100</b>	<b>67.7</b>	<b>1.2</b>	<b>2.0</b>	<b>1.7</b>	<b>7.1</b>	<b>0.5</b>	<b>0.1</b>	<b>19.1</b>	<b>8.0</b>	<b>11.1</b>	<b>0.6</b>
	<b>1999-00</b>	<b>100</b>	<b>66.3</b>	<b>1.1</b>	<b>2.0</b>	<b>1.8</b>	<b>7.4</b>	<b>0.4</b>	<b>0.1</b>	<b>20.6</b>	<b>8.6</b>	<b>12.0</b>	<b>0.4</b>
	<b>2000-01</b>	<b>100</b>	<b>65.1</b>	<b>1.5</b>	<b>2.1</b>	<b>1.7</b>	<b>7.2</b>	<b>0.5</b>	<b>0.1</b>	<b>21.5</b>	<b>8.8</b>	<b>12.7</b>	<b>0.4</b>
Northern & Yorkshire	1998-99	100	70.8	1.9	2.8	1.4	5.2	0.7	0.2	16.7	7.9	8.8	0.3
	1999-00	100	69.7	2.0	2.1	1.4	5.5	0.6	0.1	18.3	8.2	10.0	0.3
	2000-01	100	68.8	1.1	2.4	1.8	5.9	0.5	0.1	19.1	8.1	11.1	0.4
Trent	1998-99	100	67.2	0.8	2.1	3.1	7.5	0.6	0.1	18.3	6.9	11.3	0.3
	1999-00	100	64.8	0.7	2.7	3.0	7.7	0.5	0.1	20.2	7.8	12.4	0.2
	2000-01	100	65.4	0.6	2.1	2.7	7.1	1.3	0.3	18.9	6.9	12.1	1.6
Eastern	1998-99	100	66.6	0.8	2.6	1.5	7.4	0.4	0.1	20.0	8.1	11.9	0.6
	1999-00	100	65.8	0.9	2.5	1.4	7.8	0.4	0.1	20.8	8.7	12.1	0.3
	2000-01	100	64.4	0.8	2.4	1.2	7.8	0.3	0.1	22.7	9.3	13.4	0.3
London	1998-99	100	65.2	1.3	2.0	1.5	8.3	0.4	0.1	20.8	7.5	13.3	0.3
	1999-00	100	66.2	0.5	2.1	1.9	7.8	0.3	0.1	20.5	8.7	11.8	0.6
	2000-01	100	64.2	0.5	2.5	2.2	7.1	0.3	0.1	22.6	9.4	13.3	0.6
South East	1998-99	100	65.9	1.0	2.4	1.9	7.7	0.4	0.1	19.7	8.6	11.1	1.0
	1999-00	100	63.9	0.8	1.9	1.5	8.4	0.4	0.1	22.2	8.5	13.6	0.8
	2000-01	100	61.1	3.8	2.0	1.4	8.4	0.3	0.1	22.2	8.6	13.6	0.5
South West	1998-99	100	66.9	0.6	1.6	2.2	8.9	0.6	0.1	18.5	7.9	10.6	0.6
	1999-00	100	64.5	0.5	1.7	1.8	9.6	0.6	0.1	20.4	8.8	11.5	0.8
	2000-01	100	64.3	0.6	1.5	1.7	9.0	0.5	0.0	21.6	9.9	11.7	0.8
West Midlands	1998-99	100	68.0	1.4	1.6	1.6	5.7	0.5	0.1	19.9	9.3	10.5	1.3
	1999-00	100	65.4	1.7	1.5	1.9	6.4	0.4	0.1	22.4	10.0	12.5	0.3
	2000-01	100	65.5	1.4	1.9	1.6	5.8	0.5	0.1	22.9	9.2	13.7	0.3
North West	1998-99	100	71.7	1.6	1.2	1.3	6.0	0.6	0.1	17.2	7.5	9.7	0.2
	1999-00	100	69.8	1.5	1.3	1.7	5.9	0.5	0.1	18.9	8.0	10.9	0.2
	2000-01	100	68.4	1.9	1.3	1.4	6.3	0.4	0.1	19.8	8.3	11.5	0.3

Source: HES

Table 5

NHS hospital deliveries: method of delivery by method of onset of labour, 2000-01

England

estimated number (thousands)

Method of onset of labour	Total	Method of delivery										
		Spontaneous		Forceps		Ventouse	Breech	Breech extraction	Caesarean			Other
		Vertex	Other	Low	Other				Total	Elective	Emergency	
<b>Total</b>	<b>549.6</b>	<b>357.7</b>	<b>8.2</b>	<b>11.3</b>	<b>9.4</b>	<b>39.5</b>	<b>2.6</b>	<b>0.6</b>	<b>118.1</b>	<b>48.4</b>	<b>69.7</b>	<b>2.2</b>
Spontaneous	377.4	280.0	6.3	7.9	6.6	28.1	2.0	0.4	44.7	1.5	43.3	1.4
Caesarean	54.2	0.9	0.3	0.4	0.3	1.4	0.2	0.1	50.2	43.0	7.3	0.3
Induction: surgical	19.6	13.6	0.3	0.4	0.4	1.5	0.1	0.0	3.3	0.6	2.6	0.1
drugs	66.9	42.7	1.0	1.7	1.4	5.8	0.3	0.1	13.6	2.3	11.3	0.3
surgical & drugs	31.8	20.6	0.4	0.8	0.7	2.8	0.1	0.0	6.2	1.1	5.2	0.1

Source: HES

Table 6

NHS hospital deliveries: duration of antenatal stay, 1980 to 2000-01

England

percentages

	Total number of deliveries (=100%)	Days from start of episode to delivery								
		same day	1	2	3	4 or more				
						total	4	5	6	7 or more
1989-90	633,500	56	32	5	2	5	1	1	1	3
1990-91	652,100	55	32	5	2	5	1	1	1	3
1991-92	643,800	55	33	5	2	5	1	1	0	3
1992-93	624,600	56	33	6	2	4	1	1	0	2
1993-94	620,200	55	33	6	2	4	1	1	0	2
1994-95	604,300	55	33	6	2	4	1	1	0	2
1995-96	592,600	56	33	6	2	3	1	1	0	1
1996-97	594,500	56	33	6	2	3	1	1	0	2
1997-98	585,000	56	33	6	2	3	1	1	0	1
1998-99	577,500	56	33	6	2	3	1	1	0	1
1999-00	565,300	56	33	6	2	3	1	1	0	1
2000-01	549,600	57	32	6	2	3	1	1	0	1
2000-01 estimated numbers	549,600	312,700	177,000	32,400	11,000	16,500	4,900	2,700	1,600	7,100

Source: HES

Table 7

NHS hospital deliveries: duration of antenatal stay by region, 1998-99 to 2000-01

		Total	Days from start of episode to delivery								
			same day	1	2	3	4 or more				
							total	4	5	6	7 or more
<b>ENGLAND</b>	1998-99	100	56	33	6	2	3	1	1	0	1
	1999-00	100	56	33	6	2	3	1	1	0	1
	2000-01	100	57	32	6	2	3	1	1	0	1
Northern & Yorkshire	1998-99	100	55	35	5	2	3	1	1	0	1
	1999-00	100	56	34	6	2	3	1	1	0	1
	2000-01	100	57	34	6	2	2	1	0	0	1
Trent	1998-99	100	60	31	5	2	3	1	0	0	1
	1999-00	100	59	31	5	2	3	1	0	0	1
	2000-01	100	58	32	5	2	3	1	1	0	2
Eastern	1998-99	100	56	34	6	2	3	1	0	0	1
	1999-00	100	57	32	6	2	3	1	0	0	1
	2000-01	100	57	32	6	2	3	1	1	0	1
London	1998-99	100	55	32	7	2	3	1	1	0	2
	1999-00	100	56	31	7	2	3	1	1	0	2
	2000-01	100	57	31	7	2	4	1	1	0	2
South East	1998-99	100	55	34	6	2	3	1	1	0	1
	1999-00	100	56	34	6	2	3	1	1	0	1
	2000-01	100	58	32	5	2	3	1	0	0	1
South West	1998-99	100	58	32	5	2	3	1	1	0	1
	1999-00	100	60	31	5	2	3	1	0	0	1
	2000-01	100	60	30	5	2	3	1	0	0	1
West Midlands	1998-99	100	55	34	6	2	3	1	1	0	1
	1999-00	100	54	34	6	2	3	1	1	0	1
	2000-01	100	56	33	6	2	3	1	1	0	1
North West	1998-99	100	54	34	6	2	3	1	1	0	1
	1999-00	100	54	34	6	2	4	1	1	0	2
	2000-01	100	55	33	6	2	3	1	1	0	1

Source: HES

Table 8

NHS hospital deliveries: duration of antenatal stay by method of onset of labour and method of delivery, 2000-01

Method of onset of labour	Method of delivery	Days from start of episode to delivery								
		same day	1	2	3	4 or more				
						total	4	5	6	7 or more
Spontaneous	Spontaneous	71	26	2	1	1	0	0	0	0
	Instrumental	54	40	4	1	1	0	0	0	0
	Caesarean	54	36	6	2	3	1	0	0	1
Induced	Spontaneous	33	43	14	5	5	2	1	1	2
	Instrumental	17	47	22	7	7	3	1	1	2
	Caesarean	17	41	23	9	9	4	2	1	3
Caesarean	Caesarean	52	33	4	3	9	1	1	1	5

Source: HES

Table 9 NHS hospital deliveries: duration of postnatal stay, 1975 to 2000-01

England

percentages

	Total number of deliveries (=100%)	Days from delivery to end of episode									7 or more
		0 to 3					4 to 6				
		total	same day	1	2	3	total	4	5	6	
1975	540,300	32	..	..	..	..	26	..	..	..	42
1980	601,500	39	..	..	..	..	34	..	..	..	28
1985	605,100	49	..	..	..	..	36	..	..	..	15
1989-90	633,500	62	4	17	23	17	30	14	10	7	8
1992-93	624,600	71	8	24	23	16	25	11	9	5	5
1993-94	620,200	73	9	26	23	15	23	11	8	4	4
1994-95	604,300	75	10	27	22	15	22	11	8	3	4
1995-96	592,600	76	11	29	22	14	21	11	7	3	4
1996-97	594,500	78	12	30	22	14	20	11	7	2	4
1997-98	585,000	79	13	31	21	13	19	11	6	2	3
1998-99	577,500	79	13	32	20	13	18	10	5	2	3
1999-00	565,300	80	13	33	20	14	17	10	5	2	3
2000-01	549,600	81	13	33	20	14	16	10	5	2	3
2000-01 estimated numbers	549,600	442,400	73,100	182,500	109,400	77,500	89,600	53,900	25,300	10,400	17,000

Source: HIPE, HES

Table 10 NHS hospital deliveries: duration of postnatal stay by region, 1998-99 to 2000-01

percentages

	Total	Days from delivery to end of episode									7 or more	
		0 to 3					4 to 6					
		total	same day	1	2	3	total	4	5	6		
ENGLAND	1998-99	100	79	13	32	20	13	18	10	5	2	3
	1999-00	100	80	13	33	20	14	17	10	5	2	3
	2000-01	100	81	13	33	20	14	16	10	5	2	3
Northern & Yorkshire	1998-99	100	79	13	28	22	16	18	11	5	2	3
	1999-00	100	81	14	29	23	15	17	10	4	2	3
	2000-01	100	82	13	31	23	16	15	9	4	2	3
Trent	1998-99	100	78	12	30	23	13	19	11	6	2	3
	1999-00	100	78	12	31	22	13	19	12	5	2	3
	2000-01	100	78	12	32	22	13	19	12	5	2	4
Eastern	1998-99	100	81	17	34	18	12	16	10	4	2	3
	1999-00	100	83	17	35	18	13	14	8	4	2	3
	2000-01	100	84	17	35	17	14	13	8	4	2	3
London	1998-99	100	80	13	38	18	11	17	10	5	2	4
	1999-00	100	81	13	38	18	12	16	9	5	2	3
	2000-01	100	81	13	39	18	13	16	9	4	2	3
South East	1998-99	100	79	14	32	19	13	18	11	5	2	3
	1999-00	100	80	15	32	19	14	17	10	5	2	3
	2000-01	100	81	15	32	19	14	16	10	5	2	3
South West	1998-99	100	81	14	32	21	14	16	9	5	2	3
	1999-00	100	81	15	34	20	13	15	9	4	2	4
	2000-01	100	82	15	35	19	14	14	8	4	2	4
West Midlands	1998-99	100	79	12	31	22	14	18	11	5	2	3
	1999-00	100	80	11	33	22	14	17	11	5	2	2
	2000-01	100	82	13	33	20	15	16	10	4	2	2
North West	1998-99	100	76	10	29	23	15	21	11	7	3	3
	1999-00	100	76	10	29	23	15	20	11	7	2	3
	2000-01	100	76	11	28	22	14	21	12	7	2	4

Source: HES

Table 11 NHS hospital deliveries: duration of postnatal stay by method of onset of labour and method of delivery, 2000-01

percentages

Method of onset of labour	Method of delivery	Days from delivery to end of episode									7 or more
		0 to 3					4 to 6				
		total	same day	1	2	3	total	4	5	6	
Spontaneous	Spontaneous	93	20	44	21	8	6	3	2	1	2
	Instrumental	85	7	32	30	16	12	7	3	2	3
	Caesarean	42	2	3	8	28	51	31	15	5	8
Induced	Spontaneous	90	12	43	25	10	8	5	2	1	2
	Instrumental	80	5	27	31	18	16	9	5	2	4
	Caesarean	37	1	1	7	28	56	35	16	6	7
Caesarean	Caesarean	45	1	2	10	33	47	29	13	5	8

Source: HES

Table 12

## NHS hospital deliveries: person conducting delivery, 1989-90 to 2000-01

England

percentages

	Total number of deliveries (=100%)	Person conducting delivery			
		Hospital Doctor	GP	Midwife	Other
1989-90	633,500	23.7	0.3	75.6	0.5
1990-91	652,100	24.5	0.2	74.8	0.4
1991-92	643,800	25.1	0.2	74.3	0.5
1992-93	624,600	25.3	0.2	74.0	0.5
1993-94	620,200	26.1	0.2	73.3	0.4
1994-95	604,300	27.2	0.1	72.3	0.4
1995-96	592,600	28.1	0.1	71.1	0.6
1996-97	594,500	28.4	0.2	70.8	0.7
1997-98	585,000	30.0	0.2	69.4	0.5
1998-99	577,500	31.1	0.1	68.1	0.7
1999-00	565,300	32.5	0.0	66.9	0.6
2000-01	549,600	33.3	0.0	66.2	0.5
2000-01 estimated numbers	549,600	183,100	200	363,700	2,500

Source: HES

Table 13

## NHS hospital deliveries: person conducting delivery by region, 1998-99 to 2000-01

percentages

		Total	Person conducting delivery			
			Hospital Doctor	GP	Midwife	Other
<b>ENGLAND</b>	1998-99	100	31.1	0.1	68.1	0.7
	1999-00	100	32.5	0.0	66.9	0.6
	2000-01	100	33.3	0.0	66.2	0.5
Northern & Yorkshire	1998-99	100	24.2	0.1	75.4	0.4
	1999-00	100	26.6	0.0	72.8	0.6
	2000-01	100	29.5	0.1	69.8	0.7
Trent	1998-99	100	33.1	0.0	65.8	1.1
	1999-00	100	35.4	0.0	63.8	0.7
	2000-01	100	34.0	0.0	65.5	0.4
Eastern	1998-99	100	34.2	0.1	65.3	0.4
	1999-00	100	34.5	0.1	65.1	0.3
	2000-01	100	35.8	0.1	63.8	0.3
London	1998-99	100	31.5	0.0	68.0	0.5
	1999-00	100	33.5	0.0	66.0	0.5
	2000-01	100	34.0	0.0	65.5	0.5
South East	1998-99	100	33.0	0.1	66.4	0.5
	1999-00	100	33.2	0.0	66.2	0.6
	2000-01	100	35.4	0.0	64.0	0.6
South West	1998-99	100	32.2	0.1	66.3	1.4
	1999-00	100	34.6	0.0	63.7	1.6
	2000-01	100	34.5	0.0	64.2	1.2
West Midlands	1998-99	100	30.5	0.1	68.5	1.0
	1999-00	100	33.3	0.1	65.9	0.7
	2000-01	100	33.8	0.0	66.0	0.2
North West	1998-99	100	27.6	0.1	71.9	0.5
	1999-00	100	29.1	0.1	70.8	0.2
	2000-01	100	29.2	0.0	70.5	0.2

Source: HES

Table 14

## NHS hospital deliveries: place of delivery, 1989-90 to 2000-01

England		percentages			
	Total number of deliveries (=100%)	Place of delivery			
		Consultant ward	GP ward	Consultant / GP ward	Midwife ward / Other ward
1989-90	633,500	64	5	30	1
1990-91	652,100	62	3	35	0
1991-92	643,800	63	3	33	0
1992-93	624,600	60	3	37	0
1993-94	620,200	58	3	38	0
1994-95	604,300	58	3	39	0
1995-96	592,600	61	3	36	0
1996-97	594,500	67	2	29	1
1997-98	585,000	65	2	31	1
1998-99	577,500	59	2	38	1
1999-00	565,300	57	1	40	2
2000-01	549,600	58	2	38	2

Source: HES

Table 15

## NHS hospital deliveries: place of delivery by region, 1998-99 to 2000-01

		percentages			
		Consultant ward	GP ward	Consultant/ GP ward	Midwife ward / Other ward
		ENGLAND	1998-99	59	2
	1999-00	57	1	40	2
	2000-01	58	2	38	2
Northern & Yorkshire	1998-99	66	1	28	5
	1999-00	54	2	41	3
	2000-01	50	2	44	4
Trent	1998-99	37	1	62	1
	1999-00	43	0	56	0
	2000-01	38	0	53	9
Eastern	1998-99	55	2	42	1
	1999-00	54	2	44	1
	2000-01	59	2	39	1
London	1998-99	56	0	44	0
	1999-00	53	0	46	0
	2000-01	55	0	45	0
South East	1998-99	49	2	49	0
	1999-00	48	2	49	0
	2000-01	47	2	50	0
South West	1998-99	44	2	43	11
	1999-00	39	1	48	11
	2000-01	42	1	45	12
West Midlands	1998-99	62	4	34	1
	1999-00	63	3	33	1
	2000-01	67	5	26	1
North West	1998-99	92	1	7	0
	1999-00	88	1	11	0
	2000-01	86	1	12	0

Source: HES

Table 16

## NHS deliveries: reason for change of delivery location by intended and actual location, 2000-01

England		percentages	
Reason for change		Intended location :	Home
		Actual location :	Hospital
Change of address			4
Prior to labour:	clinical		37
	other		13
During labour:	clinical		34
	other		10
Unintentional		54	2
Estimated number with changed location (=100%)		4,600	2,200

Source: HES

Table 17

## NHS hospital deliveries: deliveries with episiotomy by method of delivery, 1975 to 2000-01

England		percentage of deliveries with mention of episiotomy								
	All deliveries	Method of delivery								
		Spontaneous		Forceps		Ventouse	Breech	Breech extraction	Caesarean	
		Vertex	Other	Low	Other				Elective	Emergency
1975	51	..	..	..	..	..	..	..	..	..
1980	52	..	..	..	..	..	..	..	..	..
1985	37	..	..	..	..	..	..	..	..	..
1989-90	23	21	20	69	73	60	55	59	0	1
1990-91	24	21	20	77	79	68	60	60	0	1
1991-92	23	20	25	77	82	68	58	60	0	0
1992-93	21	17	19	78	81	69	54	59	0	0
1993-94	19	15	21	74	78	63	51	47	0	1
1994-95	19	15	17	77	82	65	52	52	0	0
1995-96	18	13	19	78	82	65	50	48	0	1
1996-97	17	13	19	77	83	64	49	49	0	1
1997-98	15	11	19	76	79	61	44	39	0	0
1998-99	15	10	16	78	82	60	43	37	0	1
1999-00	15	10	17	79	77	60	40	39	0	1
2000-01	14	10	14	77	74	59	37	31	0	1
2000-01 estimated numbers	76,700	34,800	1,200	8,700	7,100	23,200	1,000	200	100	400

Source: HIPE, HES

Table 18

## NHS hospital deliveries: deliveries with episiotomy by method of delivery and region, 1998-99 to 2000-01

		percentage of deliveries with mention of episiotomy									
		All deliveries	Method of delivery								
			Spontaneous		Forceps		Ventouse	Breech	Breech extraction	Caesarean	
			Vertex	Other	Low	Other				Elective	Emergency
<b>ENGLAND</b>	<b>1998-99</b>	<b>15</b>	<b>10</b>	<b>16</b>	<b>78</b>	<b>82</b>	<b>60</b>	<b>43</b>	<b>37</b>	<b>0</b>	<b>1</b>
	<b>1999-00</b>	<b>15</b>	<b>10</b>	<b>17</b>	<b>79</b>	<b>77</b>	<b>60</b>	<b>40</b>	<b>39</b>	<b>0</b>	<b>1</b>
	<b>2000-01</b>	<b>14</b>	<b>10</b>	<b>14</b>	<b>77</b>	<b>74</b>	<b>59</b>	<b>37</b>	<b>31</b>	<b>0</b>	<b>1</b>
Northern & Yorkshire	1998-99	15	11	15	67	74	58	56	40	1	2
	1999-00	14	10	15	75	77	62	50	36	0	0
	2000-01	13	9	12	72	81	58	43	36	0	0
Trent	1998-99	17	11	32	83	86	60	44	15	0	1
	1999-00	13	8	24	64	71	48	39	36	0	0
	2000-01	12	7	20	69	68	48	39	14	0	0
Eastern	1998-99	16	12	21	78	81	56	38	30	1	1
	1999-00	16	12	19	78	74	57	39	41	1	1
	2000-01	15	10	18	78	79	59	32	29	0	1
London	1998-99	15	11	14	77	71	55	42	31	1	1
	1999-00	16	13	18	89	71	56	39	35	1	1
	2000-01	15	11	13	75	66	55	34	30	1	1
South East	1998-99	15	10	15	80	82	58	36	47	0	0
	1999-00	14	10	21	80	74	57	41	35	0	0
	2000-01	14	10	24	80	71	57	36	33	0	0
South West	1998-99	16	10	17	77	89	60	52	47	0	0
	1999-00	15	10	21	79	84	61	34	41	0	0
	2000-01	14	9	18	79	84	58	37	42	0	0
West Midlands	1998-99	13	8	17	84	84	72	34	44	0	0
	1999-00	14	10	16	79	85	65	33	48	0	0
	2000-01	14	11	18	82	77	66	36	43	0	1
North West	1998-99	13	9	11	82	87	70	43	45	0	1
	1999-00	14	9	16	86	87	72	43	46	0	1
	2000-01	14	9	10	86	81	72	38	53	0	1

Source: HES

Table 19 NHS hospital deliveries: anaesthetics used before or during delivery by method of onset of labour and method of delivery, 2000-01

Method of onset of labour	Method of delivery	Total number of cases (thousands) (= 100%)	Type(s) of anaesthetic/analgesic used before or during delivery						percentages
			General anaesthetic	Epidural	Spinal anaesthetic	General & epidural	General & spinal	Epidural & spinal	Other/hone
Total all deliveries		549.6	3	22	10	0	0	2	63
Spontaneous	Spontaneous	284.5	0	13	0	0	0	1	86
	Instrumental	45.5	0	48	3	0	0	2	46
	Caesarean	41.5	14	33	28	3	1	5	17
Induced	Spontaneous	81.8	0	24	0	0	0	1	74
	Instrumental	18.0	0	60	2	0	0	2	35
	Caesarean	22.3	12	42	20	4	0	6	16
Caesarean	Caesarean	56.0	10	10	60	0	1	8	10

Source: HES

Table 20 NHS hospital deliveries: anaesthetics used before/during delivery by method of onset of labour & method of delivery, 1989-90 to 2000-01

	Type(s) of anaesthetic/analgesic used before or during delivery						Type(s) of anaesthetic/analgesic used before or during delivery						percentages
	Gen-eral	Epi-dural	Spi-nal	Gen + epi-dural	Gen + spi-nal	Epi + spi-nal	Gen-eral	Epi-dural	Spi-nal	Gen + epi-dural	Gen + spi-nal	Epi + spi-nal	
<b>All deliveries</b>							<b>Elective caesarean deliveries</b>						
1989-90	7	16	1	1	0	0	53	31	11	1	0	1	
1992-93	6	17	3	1	0	1	38	21	33	1	0	2	
1995-96	5	20	6	1	0	1	24	13	49	0	1	4	
1998-99	3	21	8	0	0	1	14	10	59	0	1	7	
1999-00	3	22	9	0	0	2	12	11	60	0	1	7	
2000-01	3	22	10	0	0	2	10	10	60	0	1	8	
<b>Onset and delivery spontaneous</b>							<b>Onset induced, delivery spontaneous</b>						
1989-90	0	9	0	0	0	0	0	20	0	0	0	0	
1992-93	0	10	0	0	0	0	0	21	0	0	0	0	
1995-96	0	12	0	0	0	0	0	23	0	0	0	0	
1998-99	0	13	0	0	0	0	0	23	0	0	0	1	
1999-00	0	14	0	0	0	0	0	25	0	0	0	1	
2000-01	0	13	0	0	0	1	0	24	0	0	0	1	
<b>Onset spontaneous, with instrumental delivery</b>							<b>Onset induced, with instrumental delivery</b>						
1989-90	2	44	1	0	0	1	1	57	1	0	0	1	
1992-93	1	47	2	0	0	1	1	61	1	1	0	1	
1995-96	0	49	2	0	0	1	0	61	1	0	0	1	
1998-99	0	50	3	0	0	1	0	60	2	0	0	1	
1999-00	0	49	3	0	0	1	0	60	2	0	0	2	
2000-01	0	48	3	0	0	2	0	60	2	0	0	2	
<b>Onset spontaneous, with caesarean delivery</b>							<b>Onset induced, with caesarean delivery</b>						
1989-90	59	22	3	9	0	1	54	26	2	13	0	0	
1992-93	44	27	10	8	0	1	40	32	8	11	0	1	
1995-96	29	31	19	5	1	3	26	37	16	6	1	2	
1998-99	19	33	24	3	1	4	15	41	19	4	0	4	
1999-00	16	34	26	3	1	5	13	43	20	4	1	4	
2000-01	14	33	28	3	1	5	12	42	20	4	0	6	

Source: HES

Table 21 NHS hospital deliveries: total, singleton, twin and higher order multiple deliveries by gestation, 2000-01

England

Gestation (weeks)	Total deliveries		Singleton deliveries		Twin deliveries		Triplet and higher order deliveries	
	estimated number	%	estimated number	%	estimated number	%	estimated number	%
<b>Total</b>	<b>564,300</b>	<b>100</b>	<b>556,000</b>	<b>100</b>	<b>8,100</b>	<b>100</b>	<b>230</b>	<b>100</b>
<b>under 20</b>	<b>80</b>	<b>0.0</b>	<b>80</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
<b>20-23</b>	<b>500</b>	<b>0.1</b>	<b>420</b>	<b>0.1</b>	<b>50</b>	<b>0.6</b>	<b>0</b>	<b>0.8</b>
20	40	0.0	40	0.0	0	0.0		
21	70	0.0	70	0.0	0	0.0		
22	140	0.0	130	0.0	10	0.1		
23	220	0.0	180	0.0	40	0.5	0	0.8
<b>24-27</b>	<b>2,300</b>	<b>0.4</b>	<b>2,100</b>	<b>0.4</b>	<b>220</b>	<b>2.7</b>	<b>20</b>	<b>7.6</b>
24	500	0.1	500	0.1	40	0.5		
25	500	0.1	500	0.1	40	0.5	0	0.8
26	500	0.1	500	0.1	60	0.7	0	1.7
27	800	0.1	700	0.1	80	1.0	10	5.1
<b>28-31</b>	<b>4,600</b>	<b>0.8</b>	<b>4,000</b>	<b>0.7</b>	<b>540</b>	<b>6.7</b>	<b>40</b>	<b>16.9</b>
28	800	0.1	700	0.1	110	1.4	0	0.8
29	1,000	0.2	900	0.2	100	1.3	10	4.2
30	1,200	0.2	1,000	0.2	130	1.7	10	4.2
31	1,600	0.3	1,400	0.3	190	2.4	20	7.6
<b>32-36</b>	<b>34,200</b>	<b>6.0</b>	<b>30,800</b>	<b>5.5</b>	<b>3,200</b>	<b>39.1</b>	<b>160</b>	<b>70.3</b>
32	2,300	0.4	2,000	0.4	300	3.3	20	11.0
33	3,300	0.6	2,900	0.5	400	4.7	40	16.9
34	5,200	0.9	4,600	0.8	600	6.8	50	22.9
35	8,200	1.4	7,300	1.3	900	10.7	30	12.7
36	15,200	2.7	14,100	2.5	1,100	13.6	20	6.8
<b>37-41</b>	<b>496,000</b>	<b>87.9</b>	<b>491,900</b>	<b>88.5</b>	<b>4,000</b>	<b>50.2</b>	<b>10</b>	<b>4.2</b>
37	32,600	5.8	30,900	5.6	1,700	21.2		
38	81,900	14.5	80,400	14.5	1,500	18.2	0	1.7
39	117,300	20.8	116,700	21.0	600	7.1	0	0.8
40	156,400	27.7	156,200	28.1	200	3.0	0	0.8
41	107,800	19.1	107,700	19.4	70	0.9	0	0.8
<b>42 or over</b>	<b>26,700</b>	<b>4.7</b>	<b>26,700</b>	<b>4.8</b>	<b>50</b>	<b>0.6</b>	<b>0</b>	<b>0.0</b>
42	21,800	3.9	21,800	3.9	30	0.4		
43	2,600	0.5	2,600	0.5	10	0.2		
44	1,200	0.2	1,200	0.2	0	0.0		
45	600	0.1	600	0.1	0	0.0		
46	300	0.0	300	0.0	0	0.0		
47	200	0.0	200	0.0	0	0.0		
48 or over	200	0.0	200	0.0	0	0.0		

Source: HES

Table 22 NHS hospital deliveries: singleton and multiple deliveries by birthweight, 2000-01

England

Birthweight (grams)	Singleton deliveries					Multiple deliveries	
	total	liveborn		stillborn			
	estimated number	estimated number	%	estimated number	%	stillborn per 1000 deliveries	weight of first baby in the delivery (estimated numbers)
<b>Total</b>	<b>556,000</b>	<b>553,200</b>	<b>100.0</b>	<b>2,800</b>	<b>100.0</b>	<b>5</b>	<b>8,300</b>
<b>under 1000</b>	<b>2,800</b>	<b>2,000</b>	<b>0.4</b>	<b>800</b>	<b>30.6</b>	<b>286</b>	<b>300</b>
1000-1499	3,200	2,900	0.5	300	11.3	94	500
1500-1999	6,400	6,100	1.1	300	10.4	47	1,100
2000-2499	22,400	22,100	4.0	300	11.7	13	2,300
2500-2999	91,300	90,900	16.4	400	14.0	4	2,800
3000-3499	201,900	201,600	36.4	300	11.5	1	1,100
3500-3999	164,100	163,900	29.6	200	7.5	1	190
4000-4499	54,360	54,300	9.8	60	2.1	1	40
4500-4999	8,620	8,600	1.6	20	0.8	2	10
5000+	900	900	0.2	0	0.1	2	0

Source: HES

Table 23 NHS hospital deliveries: median birthweight of singleton, twin and triplet deliveries by gestation, 2000-01

England

Gestation	Singleton deliveries		Twin deliveries	Triplet deliveries
	median birthweight	birthweight range (5th to 95th percentiles)	median birthweight of first baby	median birthweight of first baby
all gestations	3380	2060 - 4230	2500	1825
under 20	.	.	.	.
20	370	.	.	.
21	420	.	.	.
22	480	380 - 680	.	.
23	560	405 - 710	.	.
24	640	330 - 870	610	.
25	750	340 - 990	740	.
26	850	490 - 1220	780	.
27	960	480 - 1350	895	.
28	1050	550 - 1690	1140	.
29	1275	780 - 2290	1225	.
30	1420	865 - 2800	1385	.
31	1640	1040 - 2750	1560	1440
32	1820	1160 - 2800	1730	1550
33	2040	1370 - 3060	1935	1845
34	2300	1575 - 3290	2120	1995
35	2520	1790 - 3480	2320	2340
36	2750	1990 - 3590	2495	2350
37	2980	2240 - 3830	2680	.
38	3200	2470 - 4025	2800	.
39	3345	2650 - 4111	2950	.
40	3490	2780 - 4260	3060	.
41	3610	2900 - 4395	3300	.
42	3660	2920 - 4450	.	.
43	3515	2720 - 4370	.	.
44 or over	3460	2700 - 4310	.	.

Source: HES

Table 24 NHS hospital deliveries by day of week and by method of onset of labour and method of delivery, 2000-01

England

percentages

Method of onset of labour	Method of delivery	Day of week on which delivery takes place						
		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Total all deliveries		11.9	14.0	15.1	15.4	15.6	14.9	12.8
Spontaneous	<b>Total</b>	<b>13.8</b>	<b>14.6</b>	<b>14.7</b>	<b>14.7</b>	<b>14.4</b>	<b>14.3</b>	<b>13.6</b>
	Spontaneous	13.9	14.4	14.6	14.7	14.4	14.3	13.7
	Instrumental	13.5	14.7	14.5	14.6	14.5	14.3	13.9
Induced	Caesarean	13.1	15.5	15.1	15.0	14.7	14.2	12.3
	<b>Total</b>	<b>10.2</b>	<b>11.8</b>	<b>15.0</b>	<b>16.1</b>	<b>17.3</b>	<b>14.9</b>	<b>14.7</b>
	Spontaneous	9.8	12.3	15.1	16.0	17.4	15.0	14.4
Caesarean	Instrumental	11.0	10.3	14.7	16.0	17.2	15.0	15.8
	Caesarean	11.1	11.4	15.0	16.3	17.0	14.5	14.7
	<b>Caesarean</b>	<b>2.4</b>	<b>17.6</b>	<b>18.4</b>	<b>19.3</b>	<b>20.0</b>	<b>19.1</b>	<b>3.2</b>
Intended home deliveries	<b>Actual home</b>	15.7	16.6	15.2	12.8	11.9	13.3	14.5
	<b>Actual hospital</b>	15.3	13.9	15.3	13.8	15.5	14.5	11.7

Source: HES

Table 25 Coverage of Maternity HES by place of delivery, 1989-90 to 2000-01

England	percentages											
	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
<b>NHS hospital deliveries</b>												
deliveries (000s) (=100%)	633.5	652.1	643.8	624.6	620.2	604.3	592.6	594.5	585.0	577.5	565.3	549.6
HES records (%)	79	86	90	95	95	93	95	94	93	95	96	95
HES records with maternity data (%)	<b>57</b>	<b>53</b>	<b>68</b>	<b>78</b>	<b>70</b>	<b>67</b>	<b>72</b>	<b>67</b>	<b>60</b>	<b>61</b>	<b>64</b>	<b>66</b>
<b>Home deliveries</b>												
deliveries (000s) (=100%)	6.6	7.1	7.7	8.9	10.4	11.3	12.0	13.0	13.5	13.0	12.5	11.6
HES records (%)	20	23	20	26	29	28	29	24	11	15	17	12
HES records with maternity data (%)	20	23	20	25	28	27	29	24	11	15	17	12

Source: HES, ONS

Table 26 NHS hospital deliveries: coverage of Maternity HES by region, 1998-99 to 2000-01

		Maternities	HES records		HES records with maternity data	
		number	number	percentage of maternities	number	percentage of maternities
1998-99	England	577,535	550,474	95	353,377	61
	Northern & Yorkshire	70,513	69,010	98	30,760	44
	Trent	54,325	53,989	99	30,126	55
	Eastern	59,463	57,181	96	52,586	88
	London	104,910	90,484	86	57,738	55
	South East	95,120	91,122	96	55,687	59
	South West	51,520	50,539	98	23,138	45
	West Midlands	64,292	61,847	96	47,905	75
	North West	77,392	76,302	99	55,437	72
1999-00	England	565,319	542,984	96	361,476	64
	Northern & Yorkshire	69,309	68,741	99	37,157	54
	Trent	52,278	52,381	100	33,730	65
	Eastern	57,618	54,780	95	46,817	81
	London	105,471	99,468	94	63,500	60
	South East	92,773	86,995	94	51,838	56
	South West	49,872	48,341	97	28,338	57
	West Midlands	62,672	58,188	93	46,412	74
	North West	75,326	74,090	98	53,684	71
2000-01	England	549,566	521,689	95	364,903	66
	Northern & Yorkshire	66,161	64,551	98	39,215	59
	Trent	50,461	49,937	99	37,710	75
	Eastern	56,485	51,075	90	44,730	79
	London	103,658	92,165	89	62,365	60
	South East	90,903	86,513	95	59,670	66
	South West	47,971	45,436	95	24,608	51
	West Midlands	60,829	61,357	101	41,238	68
	North West	73,098	70,655	97	55,367	76

Source: HES, ONS

Note: Because the time periods covered are not identical, the number of HES records may be up to 2% more or less than the number of maternities

Table 27 NHS hospital deliveries: deliveries with antenatal, delivery or postnatal complications, 1998-99 to 2000-01

England		percentage of deliveries with mention of complication / indication for care			
ICD 10 condition code	Condition	1998-99	1999-00	2000-01	2000-01 estimated number of cases
<b>Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium</b>					
O10	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium	0.2	0.2	0.2	1,200
O11	Pre-existing hypertensive disorder with superimposed proteinuria	0.0	0.0	0.0	0
O12	Gestational (pregnancy-induced) oedema and proteinuria without hypertension	0.5	0.5	0.5	2,800
O13	Gestational (pregnancy-induced) hypertension without significant proteinuria	2.7	2.4	2.3	12,700
O14	Gestational (pregnancy-induced) hypertension with significant proteinuria (pre-eclampsia)	1.8	1.8	1.8	9,700
O15	Eclampsia	0.1	0.1	0.1	300
O16	Unspecified maternal hypertension	1.8	1.7	1.6	9,000
<b>Other maternal disorders predominantly related to pregnancy.</b>					
O20	Haemorrhage in early pregnancy	0.1	0.1	0.1	500
O21	Excessive vomiting in pregnancy	0.2	0.2	0.2	900
O22	Venous complications in pregnancy	0.2	0.2	0.2	1,000
O23	Infections of genitourinary tract in pregnancy	0.7	0.7	0.8	4,400
O24	Diabetes mellitus in pregnancy	0.9	1.0	1.2	6,400
O25	Malnutrition in pregnancy	0.0	0.0	0.0	0
O26	Maternal care for other conditions predominantly related to pregnancy	3.0	2.0	1.6	8,600
O28	Abnormal findings on antenatal screening of mother	0.3	0.3	0.3	1,600
O29	Complications of anaesthesia during pregnancy	0.0	0.0	0.0	0
<b>Maternal care related to the fetus and amniotic cavity and possible delivery problems</b>					
O30	Multiple gestation	0.7	0.6	0.6	3,400
O31	Complications specific to multiple gestation	0.0	0.0	0.0	200
O32	Maternal care for known or suspected malpresentation of fetus	4.8	4.8	4.7	26,000
O33	Maternal care for known or suspected disproportion	0.4	0.3	0.3	1,600
O34	Maternal care for known or suspected abnormality of pelvic organs	5.9	6.2	6.5	35,700
O342	Uterine scar from previous surgery (including previous caesarean section)	4.8	5.1	5.4	29,600
O35	Maternal care for known or suspected fetal abnormality and damage	0.3	0.3	0.3	1,500
O36	Maternal care for known or suspected fetal problems	7.4	6.5	6.4	34,900
O40	Polyhydramnios	0.4	0.4	0.4	2,200
O41	Other disorders of amniotic fluid and membranes	1.4	1.4	1.4	7,600
O42	Premature rupture of membranes	4.3	5.2	5.6	30,500
O43	Placental disorders	1.1	1.3	1.2	6,700
O44	Placenta praevia	0.5	0.6	0.6	3,200
O45	Premature separation of placenta (abruptio placentae)	0.3	0.3	0.3	1,900
O46	Antepartum haemorrhage not elsewhere classified.	1.4	1.2	1.2	6,500
O47	False labour	0.8	0.4	0.4	2,000
O48	Prolonged pregnancy	7.5	7.5	7.0	38,600
<b>Complications of labour and delivery</b>					
O60	Preterm delivery	4.4	4.4	4.5	25,000
O61	Failed induction of labour	0.8	0.9	0.9	5,200
O62	Abnormalities of forces of labour	2.7	2.6	2.7	14,800
O63	Long labour	9.8	10.6	10.7	58,900
O630	prolonged first stage	2.1	2.3	2.3	12,800
O631	prolonged second stage	6.9	7.3	7.4	40,600
O632	delayed delivery of second twin, triplet etc	0.0	0.0	0.0	100
O64	Obstructed labour due to malposition and malpresentation of fetus	2.0	2.1	2.3	12,500
O65	Obstructed labour due to maternal pelvic abnormality	0.4	0.3	0.3	1,900
O66	Other obstructed labour	1.8	1.8	2.0	10,900
O67	Labour and delivery complicated by interpartum haemorrhage, not elsewhere classified	0.5	0.5	0.6	3,200
O68	Labour and delivery complicated by fetal stress (distress)	19.8	21.3	21.4	117,900
O69	Labour and delivery complicated by umbilical cord complications	4.7	4.5	4.6	25,300
O70	Perineal laceration during delivery	31.7	33.7	34.9	192,000
O71	Other obstetric trauma	1.4	1.6	1.6	8,900
O72	Postpartum haemorrhage	5.4	6.0	6.1	33,800
O73	Retained placenta and membranes, without haemorrhage	1.1	1.0	1.0	5,500
O74	Complications of anaesthesia during labour and delivery	0.1	0.1	0.1	800
O75	Other complications of labour and delivery, not elsewhere classified	4.3	4.5	4.6	25,400
<b>Complications predominantly related to the puerperium</b>					
O85	Puerperal sepsis	0.0	0.0	0.0	200
O86	Other puerperal infections	0.9	0.9	0.9	5,100
O87	Venous complications in the puerperium	0.3	0.3	0.3	1,900
O88	Obstetric embolism	0.0	0.0	0.0	100
O89	Complications of anaesthesia during the puerperium	0.1	0.1	0.1	300
O90	Complications of the puerperium, not elsewhere classified	0.4	0.4	0.4	2,100
O91	Infections of breast associated with childbirth	0.0	0.0	0.0	200
O92	Other disorders of breast and lactation associated with childbirth	0.2	0.3	0.3	1,400
<b>Other obstetric conditions complicating pregnancy, childbirth and the puerperium</b>					
O98	Maternal infectious and parasitic diseases	0.3	0.4	0.5	2,700
O99	Other maternal diseases	8.9	8.5	8.9	48,700

Source: HES

Table 28 NHS hospital deliveries: deliveries with selected complications by method of onset of labour and method of delivery, 2000-01

England		percentage of deliveries with mention of complication / indication for care							
ICD 10 code	Selected condition:	Method of onset of labour :	Spontaneous			Induced			Caesarean
			Spontaneous	Instrumental	Caesarean	Spontaneous	Instrumental	Caesarean	Caesarean
O10-O16 ex O12	Hypertension		2	4	5	13	18	19	5
O14	Pre-eclampsia		0	1	2	3	5	6	4
O32	Malpresentation of fetus		1	3	11	2	3	5	24
O342	Uterine scar from previous surgery (inc. previous caesarean section)		1	1	11	0	1	4	41
O35,O36,O43	Fetal and placental problems		4	5	7	15	11	15	13
O40,O41,O42	Disorders of amniotic fluid and membranes; premature rupture		5	7	8	11	10	12	5
O48	Prolonged pregnancy		2	2	2	28	31	28	7
O60	Preterm delivery		4	3	8	3	2	3	7
O630	Long labour, prolonged first stage		1	3	10	0	1	14	0
O631	Long labour, prolonged second stage		2	45	9	2	41	9	0
O639	Long labour, unspecified		0	2	4	0	2	6	0
O64,O65,O66	Obstructed labour		1	12	18	2	12	16	3
O69	Labour and delivery complicated by umbilical cord complications		5	5	3	6	6	4	2
O70	Perineal laceration during delivery		50	27	2	48	25	1	0
O72	Postpartum haemorrhage		4	10	13	5	13	15	12

Source: HES

Table 29 Non-delivery obstetric NHS hospital episodes by condition, 1998-99 to 2000-01

England		estimated number of episodes with mention of complication / indication for care (thousands)		
ICD 10 condition code	Condition	1998-99	1999-00	2000-01
<b>Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium</b>				
O10	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium	0.6	0.8	0.9
O11	Pre-existing hypertensive disorder with superimposed proteinuria	0.1	0.1	0.1
O12	Gestational (pregnancy-induced) oedema and proteinuria without hypertension	3.3	3.5	3.6
O13	Gestational (pregnancy-induced) hypertension without significant proteinuria	9.1	9.2	9.1
O14	Gestational (pregnancy-induced) hypertension with significant proteinuria (pre-eclampsia)	3.8	3.7	3.6
O15	Eclampsia	0.0	0.1	0.1
O16	Unspecified maternal hypertension	14.4	14.3	13.9
<b>Other maternal disorders predominantly related to pregnancy.</b>				
O20	Haemorrhage in early pregnancy	5.3	4.8	6.2
O21	Excessive vomiting in pregnancy	6.3	6.5	7.0
O22	Venous complications in pregnancy	0.6	0.6	0.7
O23	Infections of genitourinary tract in pregnancy	8.7	8.7	9.6
O24	Diabetes mellitus in pregnancy	2.6	2.7	2.9
O25	Malnutrition in pregnancy	0.0	0.0	0.0
O26	Maternal care for other conditions predominantly related to pregnancy	60.5	71.1	83.4
O28	Abnormal findings on antenatal screening of mother	0.8	1.4	2.2
O29	Complications of anaesthesia during pregnancy	0.0	0.0	0.0
<b>Maternal care related to the fetus and amniotic cavity and possible delivery problems</b>				
O30	Multiple gestation	4.3	4.2	4.5
O31	Complications specific to multiple gestation	0.4	0.4	0.3
O32	Maternal care for known or suspected malpresentation of fetus	3.5	3.8	4.0
O33	Maternal care for known or suspected disproportion	0.1	0.1	0.1
O34	Maternal care for known or suspected abnormality of pelvic organs	2.9	3.0	2.9
O342	Uterine scar from previous surgery (including previous caesarean section)	1.2	1.1	1.2
O35	Maternal care for known or suspected fetal abnormality and damage	2.4	2.6	2.7
O36	Maternal care for known or suspected fetal problems	57.6	56.9	56.9
O40	Polyhydramnios	1.1	1.0	1.1
O41	Other disorders of amniotic fluid and membranes	3.0	3.6	4.3
O42	Premature rupture of membranes	6.2	7.5	8.2
O43	Placental disorders	0.9	0.3	0.5
O44	Placenta praevia	1.3	1.5	1.4
O45	Premature separation of placenta (abruptio placentae)	0.1	0.1	0.1
O46	Antepartum haemorrhage not elsewhere classified.	15.7	16.2	16.5
O47	False labour	45.2	44.5	42.2
O48	Prolonged pregnancy	3.3	3.1	3.4
<b>Complications of labour and delivery</b>				
O60	Preterm delivery	0.5	0.5	0.5
O61	Failed induction of labour	0.4	0.4	0.3
O62	Abnormalities of forces of labour	1.1	1.4	1.6
O63	Long labour	0.4	0.5	0.5
O630	prolonged first stage	0.6	0.8	0.9
O631	prolonged second stage	0.0	0.0	0.0
O632	delayed delivery of second twin, triplet etc			
O64	Obstructed labour due to malposition and malpresentation of fetus	0.2	0.2	0.2
O65	Obstructed labour due to maternal pelvic abnormality	0.0	0.0	0.0
O66	Other obstructed labour	0.1	0.1	0.1
O67	Labour and delivery complicated by interpartum haemorrhage, not elsewhere classified	0.0	0.0	0.1
O68	Labour and delivery complicated by fetal stress (distress)	2.1	2.3	2.4
O69	Labour and delivery complicated by umbilical cord complications	0.5	0.4	0.3
O70	Perineal laceration during delivery	2.7	2.9	2.3
O71	Other obstetric trauma	0.2	0.1	0.1
O72	Postpartum haemorrhage	2.9	2.8	2.6
O73	Retained placenta and membranes, without haemorrhage	0.5	0.4	0.4
O74	Complications of anaesthesia during labour and delivery	0.1	0.1	0.1
O75	Other complications of labour and delivery, not elsewhere classified	0.9	1.3	1.1
<b>Complications predominantly related to the puerperium</b>				
O85	Puerperal sepsis	0.3	0.4	0.4
O86	Other puerperal infections	0.9	0.9	1.0
O87	Venous complications in the puerperium	0.2	0.2	0.2
O88	Obstetric embolism	0.1	0.1	0.1
O89	Complications of anaesthesia during the puerperium	0.1	0.1	0.1
O90	Complications of the puerperium, not elsewhere classified	1.4	1.5	1.7
O91	Infections of breast associated with childbirth	0.1	0.1	0.1
O92	Other disorders of breast and lactation associated with childbirth	0.1	0.1	0.1
<b>Other obstetric conditions complicating pregnancy, childbirth and the puerperium</b>				
O98	Maternal infectious and parasitic diseases	0.4	0.6	0.7
O99	Other maternal diseases	24.4	25.8	29.0

Source: HES

Table 30 NHS hospital births: births with complications, 1998-99 to 2000-01

England		percentage of births with mention of complication			
ICD 10 code	Condition	1998-99	1999-00	2000-01	2000-01 estimated number of cases
<b>Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery</b>					
P00	Fetus and newborn affected by maternal conditions that may be unrelated to present pregnancy	0.5	0.5	0.4	2,500
P01	Fetus and newborn affected by maternal complications of pregnancy	1.1	1.1	1.1	6,100
P02	Fetus and newborn affected by complications of placenta, cord and membranes	1.3	1.3	1.3	7,100
P03	Fetus and newborn affected by other complications of labour and delivery	3.2	3.1	2.7	15,100
P04	Fetus and newborn affected by noxious influences transmitted via placenta or breast milk	0.1	0.1	0.1	700
<b>Disorders related to length of gestation and fetal growth</b>					
P05	Slow fetal growth and malnutrition	1.6	1.6	1.6	8,900
P07	Disorders related to short gestation and low birth weight, not elsewhere classified	6.5	6.6	6.6	37,000
P08	Disorders related to long gestation and high birth weight	1.5	1.4	1.5	8,600
<b>Birth trauma</b>					
P10	Intracranial laceration and haemorrhage due to birth injury	0.0	0.0	0.0	0
P11	Other birth injuries to central nervous system	0.1	0.0	0.1	300
P12	Birth injury to scalp	1.0	1.0	1.0	5,800
P13	Birth injury to skeleton	0.1	0.1	0.1	400
P14	Birth injury to peripheral nervous system	0.1	0.1	0.1	300
P15	Other birth injuries	0.8	0.8	0.9	4,900
<b>Respiratory and cardiovascular disorders specific to the perinatal period</b>					
P20	Intrauterine hypoxia	6.6	6.9	6.3	35,400
P21	Birth asphyxia	1.3	1.2	1.0	5,700
P22	Respiratory distress of newborn	2.8	2.7	2.7	15,300
P23	Congenital pneumonia	0.1	0.1	0.1	500
P24	Neonatal aspiration syndromes	0.5	0.4	0.3	1,900
P25	Interstitial emphysema and related conditions originating in the perinatal period	0.2	0.2	0.1	800
P26	Pulmonary haemorrhage originating in the perinatal period	0.0	0.0	0.0	200
P27	Chronic respiratory disease originating in the perinatal period	0.1	0.1	0.1	600
P28	Other respiratory conditions originating in the perinatal period	1.8	2.0	1.9	10,500
P29	Cardiovascular disorders originating in the perinatal period	0.6	0.7	0.6	3,600
<b>Infections specific to the perinatal period</b>					
P36	Congenital viral diseases	0.0	0.0	0.0	0
P36	Bacterial sepsis of newborn	0.6	0.6	0.6	3,100
P37	Other congenital infectious and parasitic diseases	0.1	0.1	0.1	400
P38	Omphalitis of newborn with or without mild haemorrhage	0.2	0.2	0.2	1,100
P39	Other infections specific to the perinatal period	0.9	0.9	0.9	5,100
<b>Haemorrhagic and haematological disorders of fetus and newborn</b>					
P50	Fetal blood loss	0.0	0.0	0.0	100
P51	Umbilical haemorrhage of newborn	0.0	0.0	0.0	0
P52	Intracranial non-traumatic haemorrhage of fetus and newborn	0.1	0.1	0.1	600
P53	Haemorrhagic disease of fetus and newborn	0.0	0.0	0.0	0
P54	Other neonatal haemorrhages	0.3	0.3	0.3	1,600
P55	Haemolytic disease of fetus and newborn	0.2	0.2	0.2	1,100
P56	Hydrops fetalis due to haemolytic disease	0.0	0.0	0.0	0
P57	Kernicterus	0.0	0.0	0.0	0
P58	Neonatal jaundice due to other excessive haemolysis	0.0	0.0	0.0	200
P59	Neonatal jaundice from other and unspecified causes	6.0	6.0	6.0	33,400
P60	Disseminated intravascular coagulation of fetus and newborn	0.0	0.0	0.0	200
P61	Other perinatal haematological disorders	0.5	0.4	0.4	2,400
<b>Transitory endocrine and metabolic disorders specific to fetus and newborn</b>					
P70	Transitory disorders of carbohydrate metabolism specific to fetus and newborn	1.5	1.7	1.6	8,900
P71	Transitory neonatal disorders of calcium and magnesium metabolism	0.0	0.1	0.0	300
P72	Other transitory neonatal endocrine disorders	0.0	0.0	0.0	100
P74	Other transitory neonatal electrolyte and metabolic disturbances	0.2	0.3	0.3	1,500
<b>Digestive system disorders of fetus and newborn</b>					
P75	Meconium ileus	0.0	0.0	0.0	0
P76	Other intestinal obstruction of newborn	0.1	0.0	0.0	300
P77	Necrotizing enterocolitis of fetus and newborn	0.0	0.0	0.1	300
P78	Other perinatal digestive system disorders	0.1	0.1	0.1	500
<b>Conditions involving the integument and temperature regulation of fetus and newborn</b>					
P80	Hypothermia of newborn	0.7	0.8	0.7	4,000
P81	Other disturbances of temperature regulation of newborn	0.3	0.3	0.3	1,800
P83	Other conditions of integument specific to fetus and newborn	1.2	1.2	1.3	7,200
<b>Other disorders originating in the perinatal period</b>					
P90	Convulsions of newborn	0.1	0.1	0.1	600
P91	Other disturbances of cerebral status of newborn	0.1	0.1	0.1	500
P92	Feeding problems of newborn	1.6	1.6	1.7	9,300
P93	Reactions and intoxications due to drugs administered to fetus and newborn	0.0	0.0	0.0	0
P94	Disorders of muscle tone of newborn	0.3	0.3	0.3	1,500
P96	Other conditions originating in the perinatal period	0.5	0.5	0.5	3,000

Source: HES

Table 31 NHS hospital births: births with selected complications by method of onset of labour and method of delivery, 2000-01

England		percentage of births with mention of complication								
ICD 10 code	Condition	Method of onset of labour	Spontaneous			Induced			Caesarean	
			Spontaneous	Instrumental	Caesarean (1)	Spontaneous	Instrumental	Caesarean	Caesarean	
P12	Birth injury to scalp		0	5	1	1	5	1	0	
P15	Other birth injuries		1	2	1	1	2	1	1	
P20	Intrauterine hypoxia		5	15	13	6	16	15	2	
P21	Birth asphyxia		1	1	2	1	1	2	1	
P22	Respiratory distress of newborn		1	2	5	1	2	2	7	
P29	Cardiovascular disorders originating in the perinatal period		0	1	1	0	1	1	1	
P36	Bacterial sepsis of newborn		0	1	1	1	1	1	1	
P59	Neonatal jaundice from other and unspecified causes		4	8	10	5	9	9	12	
P70	Transitory disorders of carbohydrate metabolism specific to fetus & newborn		1	1	3	1	2	3	4	
P92	Feeding problems of newborn		1	2	3	2	2	3	3	

Source: HES

(1) The corresponding data for 1997-98 published in bulletin 20001/14 were incorrect; amended figures are available in the internet version at [www.doh.gov.uk/public/sb0114.htm](http://www.doh.gov.uk/public/sb0114.htm)

Table 32 Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01

Hospital	1998-99				1999-00				2000-01			
	Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records	
			number	percentage of deliveries registered			number	percentage of deliveries registered			number	percentage of deliveries registered
<b>England</b>	<b>577,535</b>	<b>550,474</b>	<b>353,377</b>	<b>61</b>	<b>565,319</b>	<b>542,984</b>	<b>361,476</b>	<b>64</b>	<b>549,566</b>	<b>524,125</b>	<b>364,903</b>	<b>66</b>
<b>NORTHERN AND YORKSHIRE</b>												
<i>Bradford HA</i>												
RCF Airedale General Hospital	2218	2165	2133	96	2169	2220	2004	92	2202	2284	2211	100
RAE Bradford Royal Infirmary, Maternity Unit	5369	5371	0	0	5396	5394	0	0	5166	5167	0	0
<i>Calderdale and Kirklees HA</i>												
RMW Dewsbury District Hospital	2623	2585	0	0	2509	2496	2494	99	2488	2465	2463	99
RGA Halifax General Hospital	2258	2035	0	0	2248	2159	2132	95	2115	1936	1877	89
RGB Huddersfield Royal Infirmary	2591	2590	2590	100	2504	2517	2293	92	2343	2319	488	21
<i>County Durham HA</i>												
RTA Bishop Auckland & Darlington Hospitals	2865	2480	2456	86	2824	2812	2743	97	2600	2622	2616	101
RR9 Dryburn & Shotley Bridge Hospitals	2211	2190	2163	98	2201	2187	2150	98	1998	1487	1451	73
<i>East Riding HA</i>												
RV9 Bridlington and District Hospital	129	0	0	0	127	0	0	0	133	0	0	0
RWA Castle Hill & Hull Maternity Hospitals	5227	5204	0	0	4939	4902	0	0	4656	4658	0	0
<i>Gateshead and South Tyneside HA</i>												
RR7 Queen Elizabeth Hospital, Gateshead	1772	1780	0	0	1918	1921	1915	100	1915	1650	1650	86
RE9 South Shields Maternity Hospital	1538	1546	1537	100	1554	1555	1544	99	1427	1431	1421	100
<i>Leeds HA</i>												
RR801 Leeds General Infirmary	4296	4303	0	0	4252	4274	0	0	4042	4032	0	0
RR813 St James's University Hospital, Leeds	3889	3843	3641	94	3804	3464	3333	88	3584	2971	2896	81
<i>Newcastle and North Tyneside HA</i>												
RTF04 Hexham General Hospital	685	602	0	0	746	691	0	0	761	625	446	59
RTF02 North Tyneside General Hospital	1746	1754	1733	99	1681	1697	1666	99	1643	1700	1646	100
RTD Royal Victoria Infirmary, Newcastle	4571	4513	4234	93	4627	4600	0	0	4555	4537	4465	98
<i>North Cumbria HA</i>												
RLG City Maternity Hospital, Carlisle	1574	1580	391	25	1469	1470	1468	100	1499	1500	1500	100
RLF Penrith Hospital	215	224	174	81	219	221	210	96	182	148	128	70
RE7 West Cumberland Hospital	1333	1342	1322	99	1277	1269	1266	99	1171	1193	1180	101
<i>Northumberland HA</i>												
RTF01 Ashington Hospital	1990	2051	1969	99	1854	1919	1867	101	1556	1713	1651	106
<i>North Yorkshire HA</i>												
RCA Friarage Hospital, Northallerton	1229	1111	0	0	1251	1256	0	0	1198	1204	0	0
RCD Harrogate General Hospital	1548	1564	1510	98	1553	1578	1529	98	1510	1521	1505	100
RCC Scarborough Hospital	1562	3992	0	0	1501	4745	0	0	1461	5296	0	0
RCB York District Hospital	2988	2994	0	0	2842	2836	0	0	2778	2776	0	0
<i>Sunderland HA</i>												
RLN Sunderland DGH	3160	3163	0	0	3085	3100	0	0	2929	2948	0	0
<i>Tees HA</i>												
RVW Hartlepool & North Tees Hospitals	3679	3538	1488	40	3574	3454	1816	51	3394	3297	3142	93
RCJ South Cleveland Hospital	3620	3235	0	0	3578	3616	3388	95	3470	3487	3276	94
<i>Wakefield HA</i>												
RR4 Pinderfields & Pontefract Hospitals	3627	3685	3419	94	3607	3632	3339	93	3385	3419	3203	95
<b>REGIONAL TOTAL</b>	<b>70513</b>	<b>71440</b>	<b>30760</b>	<b>44</b>	<b>69309</b>	<b>71985</b>	<b>37157</b>	<b>54</b>	<b>66161</b>	<b>68386</b>	<b>39215</b>	<b>59</b>
<b>TRENT</b>												
<i>Barnsley HA</i>												
RFF Barnsley DGH	2329	2306	0	0	2129	2131	0	0	2076	2072	0	0
<i>Doncaster HA</i>												
RAG Doncaster Royal Infirmary	3437	3433	3407	99	3236	3250	3225	100	3161	3152	3126	99
<i>Leicestershire HA</i>												
RWEAK Leicestershire General Hospital	3505	3500	0	0	3580	3545	0	0	3374	3332	0	0
RWEAA Leicester Royal Infirmary	5512	5542	5380	98	5369	5346	5228	97	5191	4745	4639	89
RT5 St Mary's Hospital, Melton Mowbray	232	0	0	0	209	191	0	0	208	71	0	0
<i>Lincolnshire HA</i>												
RWD United Lincolnshire Hospitals	5247	5249	0	0	4859	4984	2858	59	4783	4688	4022	84
<i>North Derbyshire HA</i>												
RFS Chesterfield & N. Derbyshire Royal Hospital	3060	2925	2834	93	2856	2821	0	0	2782	2803	2495	90
<i>North Nottinghamshire HA</i>												
RCP Bassetlaw DGH	1355	1354	1307	96	1279	1274	1236	97	1183	1245	0	0
RK5 King's Mill Hospital, Sutton in Ashfield	2771	2802	2764	100	2562	2602	2565	100	2473	2467	2447	99
<i>Nottingham HA</i>												
RCS Nottingham City Hospital	5571	5587	5586	100	5534	5557	5557	100	5388	5377	5373	100
RFK Nottingham University Hospital	3812	3701	0	0	3609	3581	0	0	3466	3461	3122	90
<i>Rotherham HA</i>												
RFR Rotherham DGH	2697	2699	2672	99	2591	2595	2578	99	2449	2457	2445	100
<i>Sheffield HA</i>												
RCVFA Jessop Hospital, Sheffield	3504	3494	3461	99	3299	3329	3257	99	3568	3565	3463	97
RCVFN Northern General Hospital, Sheffield	2752	2749	2715	99	2772	2756	2701	97	2269	2263	2203	97
<i>South Derbyshire HA</i>												
RTG Derby City General Hospital	4609	4712	0	0	4547	4571	4525	100	4327	4433	4375	101
<i>South Humber HA</i>												
RF6 Grimsby Maternity Hospital	2145	2140	0	0	2136	2100	0	0	2058	2066	0	0
RF7 Scunthorpe General Hospital	1787	1796	0	0	1711	1748	0	0	1705	1740	0	0
<b>REGIONAL TOTAL</b>	<b>54325</b>	<b>53989</b>	<b>30126</b>	<b>55</b>	<b>52278</b>	<b>52381</b>	<b>33730</b>	<b>65</b>	<b>50461</b>	<b>49937</b>	<b>37710</b>	<b>75</b>

(1)

England total excludes known or suspected duplicate records; these are not excluded from the individual hospital entries

Table 32 Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01

Hospital	1998-99				1999-00				2000-01			
	Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records	
			number	percentage of deliveries registered			number	percentage of deliveries registered			number	percentage of deliveries registered
<b>England</b>	<b>577,535</b>	<b>550,474</b>	<b>353,377</b>	<b>61</b>	<b>565,319</b>	<b>542,984</b>	<b>361,476</b>	<b>64</b>	<b>549,566</b>	<b>524,125</b>	<b>364,903</b>	<b>66</b>
<b>EASTERN</b>												
<i>Bedfordshire HA</i>												
RC1 Bedford Hospital	2609	386	0	0	2616	6	0	0	2679	10	0	0
RC9 Luton & Dunstable Hospital	3703	3746	3426	93	3598	3622	3281	91	3784	3815	3463	92
<i>Cambridgeshire HA</i>												
RGT Addenbrooke's Hospital	4688	4793	4200	90	4560	4693	1857	41	4356	4626	2681	62
RQQ Hinchingsbrooke Hospital	2343	2335	1960	84	2224	2209	1707	77	2204	2212	1800	82
RGN Peterborough District Hospital	3355	3362	3355	100	3332	3336	3330	100	3316	3328	3320	100
<i>East and North Hertfordshire HA</i>												
RWH Queen Elizabeth II & Lister Hospitals	5013	4995	2544	51	4846	4844	2436	50	4719	4698	2446	52
<i>Norfolk HA</i>												
RGP James Paget Hospital, Gorleston	2134	2128	2111	99	2025	2040	2010	99	1917	1920	1904	99
RM1 Norfolk and Norwich Hospital	4860	4900	4877	100	4645	4648	4568	98	4679	4711	4537	97
RCX Queen Elizabeth Hospital, Kings Lynn	2002	1942	1939	97	1619	1162	0	0	1606	1635	1604	100
<i>North Essex HA</i>												
RDE Colchester Maternity Hospital	3346	5984	3434	103	3389	3472	3308	98	3172	3233	3093	98
RQW Princess Alexandra Hospital, Harlow	2628	2847	2644	101	2518	2558	2547	101	2552	2544	2523	99
RQ8 St John's Hospital, Chelmsford	3604	3612	3605	100	3554	3550	3544	100	3504	3278	3267	93
<i>South Essex HA</i>												
RDD Basildon Hospital	3869	6531	3886	100	3745	3799	3715	99	3570	3649	3367	94
RAJ Rochford General Hospital	3500	8757	3536	101	3463	3515	3464	100	3258	3302	3233	99
<i>Suffolk HA</i>												
RGQ Ipswich Hospital	3417	3399	3393	99	3260	3230	3224	99	3191	3158	3154	99
RGR West Suffolk Hospital	2409	2405	2399	100	2411	2421	2411	100	2254	2248	2242	99
<i>West Hertfordshire HA</i>												
RWG08 Hemel Hempstead General Hospital	2879	2660	2487	86	2792	2784	2539	91	2815	541	0	0
RWG02 Watford general Hospital	3104	2815	2790	90	3021	2891	2876	95	2909	2167	2096	72
<b>REGIONAL TOTAL</b>	<b>59463</b>	<b>67597</b>	<b>52586</b>	<b>88</b>	<b>57618</b>	<b>54780</b>	<b>46817</b>	<b>81</b>	<b>56485</b>	<b>51075</b>	<b>44730</b>	<b>79</b>
<b>LONDON</b>												
<i>Barking and Havering HA</i>												
RG7 Harold Wood Hospital	4241	4519	4161	98	4015	4117	4044	101	3857	3862	3704	96
<i>Barnet HA</i>												
RVL00 Barnet General Hospital	2791	2936	2916	104	2984	2775	2587	87	3050	3052	2817	92
<i>Bexley and Greenwich HA</i>												
RG2 Queen Elizabeth Hospital, Greenwich	2533	2509	0	0	2692	2637	0	0	2593	2657	0	0
RGZ Queen Mary's Hospital, Sidcup	3942	2630	0	0	3705	3697	0	0	3630	3624	0	0
<i>Brent and Harrow HA</i>												
RV8XX Central Middlesex Hospital	1636	1663	0	0	1597	1616	0	0	1474	279	0	0
RV800 Northwick Park Hospital	3638	3544	0	0	3617	3420	0	0	3443	2729	1326	39
<i>Bromley HA</i>												
RG3 Farnborough Hospital, Bromley	2956	0	0	0	2880	0	0	0	2823	0	0	0
<i>Camden and Islington HA</i>												
RAL Royal Free Hospital, Hampstead	2884	4589	2815	98	2839	2892	2760	97	2848	2868	2728	96
RRV University College Hospital	2669	4682	2441	91	2744	2786	2621	96	2824	2872	2722	96
RKE Whittington Hospital	3065	5414	3068	100	3186	4596	3191	100	3079	3145	3085	100
<i>Croydon HA</i>												
RJ6 Mayday Hospital, Croydon	3801	3318	3272	86	4096	3933	3928	96	4036	3932	3931	97
<i>Ealing, Hammersmith and Hounslow HA</i>												
RC3 Ealing Hospital	2545	3941	0	0	2517	2544	0	0	2495	2494	0	0
RQN Queen Charlotte's and Chelsea Hospital	4734	161	42	1	4612	4497	4438	96	4267	4104	4054	95
RFW West Middlesex Hospital	2619	2642	2642	101	2755	2532	2530	92	2639	2492	2492	94
<i>East London and The City HA</i>												
RQX Homerton Hospital	3878	3919	3891	100	3828	3866	3825	100	4045	4107	4061	100
RNH Newham Hospital	3987	3970	3933	99	4188	4178	4149	99	4011	4020	3998	100
RNJ Royal London Hospital	3513	3583	3547	101	3340	3408	3368	101	3533	3567	3536	100
<i>Enfield and Haringey HA</i>												
RVLC7 Chase Farm Hospital, Enfield	3168	5609	2704	85	3109	3042	2963	95	2916	2873	2803	96
RAP North Middlesex Hospital	2695	6366	2612	97	2749	4099	2650	96	2848	2921	2691	94
<i>Hillingdon HA</i>												
RAS Hillingdon Hospital	3273	3297	2890	88	3223	3264	3243	101	3134	3125	3083	98
<i>Kensington, Chelsea and Westminster HA</i>												
RQM Chelsea and Westminster Hospital	3777	327	0	0	3798	1434	0	0	3824	1374	0	0
RJ5 St Mary's Hospital, Paddington	3240	3260	0	0	3393	3383	0	0	3544	3559	0	0
<i>Kingston and Richmond HA</i>												
RAX Kingston Hospital	4558	3434	3431	75	4582	4573	4564	100	4491	3703	3699	82
<i>Lambeth, Lewisham and Southwark HA</i>												
RJ1 Guy's and St Thomas' Hospitals	5420	5266	0	0	5531	5261	0	0	4842	4756	0	0
RJZ King's College Hospital	3788	3980	0	0	3251	3176	0	0	3192	3024	0	0
RJ2 University Hospital Lewisham	3106	2854	0	0	3760	3956	0	0	3891	3074	0	0
<i>Merton, Sutton and Wandsworth HA</i>												
RVR Epsom & St Helier Hospitals	5003	5029	2862	57	4940	5013	1493	30	4590	4632	0	0
RJ7 St George's Hospital, Tooting	3442	3498	3330	97	3502	3524	3240	93	3604	3634	3595	100
<i>Redbridge and Waltham Forest HA</i>												
RG4 King George Hospital, Newbury Park	4076	5127	4038	99	4073	4086	4032	99	4186	4191	4142	99
RDF Whipps Cross Hospital	3932	3816	3143	80	3965	4017	3874	98	3949	3967	3898	99
<b>REGIONAL TOTAL</b>	<b>104910</b>	<b>105883</b>	<b>57738</b>	<b>55</b>	<b>105471</b>	<b>102322</b>	<b>63500</b>	<b>60</b>	<b>103658</b>	<b>94637</b>	<b>62365</b>	<b>60</b>

Table 32 Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01

Hospital	1998-99				1999-00				2000-01			
	Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records	
			number	percentage of deliveries registered			number	percentage of deliveries registered			number	percentage of deliveries registered
<b>England</b>	<b>577,535</b>	<b>550,474</b>	<b>353,377</b>	<b>61</b>	<b>565,319</b>	<b>542,984</b>	<b>361,476</b>	<b>64</b>	<b>549,566</b>	<b>524,125</b>	<b>364,903</b>	<b>66</b>
<b>SOUTH EAST</b>												
<i>Berkshire HA</i>												
RD7 Heatherwood & Wexham Park Hospitals	4298	4334	0	0	4419	4488	0	0	4302	4369	734	17
RHW Royal Berkshire Hospital, Reading	4931	4016	0	0	4972	4836	0	0	4612	4526	4495	97
<i>Buckinghamshire HA</i>												
RD8 Milton Keynes General Hospital	3123	2802	224	7	3121	2970	39	1	3058	3064	0	0
RNT Stoke Mandeville Hospital	2550	2717	2508	98	2560	2526	2334	91	2548	2576	2515	99
RH2 Wycombe General Hospital	2823	2826	2730	97	2664	2695	2679	101	2620	2621	2607	100
<i>East Kent HA</i>												
RVVKC Kent & Canterbury Hospital	2063	2735	0	0	1959	1191	0	0	1910	1173	0	0
RVV09 Queen Elizabeth The Queen Mother Hospital	1477	1483	0	0	1397	1385	0	0	1508	1491	0	0
RRV01 William Harvey Hospital, Ashford	2886	2874	0	0	2771	2834	0	0	2594	2581	0	0
<i>East Surrey HA</i>												
RTP East Surrey & Crawley Hospitals	4472	1838	1763	39	4110	2209	2171	53	3912	3842	3660	94
<i>East Sussex HA</i>												
RDM Buchanan Hospital, St Leonards on Sea	1624	1701	1685	104	1595	1599	1598	100	1514	1512	1511	100
RDL Eastbourne DGH	1913	1913	0	0	1822	1829	0	0	1836	1832	0	0
RGU Royal Sussex County Hospital, Brighton	3234	2313	0	0	3064	1624	0	0	3119	2138	0	0
<i>Isle of Wight HA</i>												
RR2 St Mary's Hospital, Isle of Wight	1184	1190	1183	100	1053	1056	1054	100	1108	1106	1103	100
<i>North and Mid Hampshire HA</i>												
RN5 North Hampshire Hospital, Basingstoke	2706	2717	2507	93	2571	2590	2561	100	2407	2395	2392	99
RN1 Royal Hampshire County Hospital, Winchester	2659	2688	2594	98	2641	2654	2429	92	2647	2710	2424	92
<i>Northamptonshire HA</i>												
RNQ Kettering General Hospital	3130	3160	3128	100	3225	3271	3236	100	3251	3846	3784	116
RNS Northampton General Hospital	3603	3612	3598	100	3522	3516	3502	99	3652	3663	3656	100
<i>Oxfordshire HA</i>												
RTH05 Horton Maternity Hospital	1440	1447	1436	100	1449	1457	1449	100	1380	1388	1382	100
RTH00 John Radcliffe Hospital, Oxford	6074	6693	6049	100	5985	5989	5989	100	5916	6536	5886	99
<i>Portsmouth and South East Hampshire HA</i>												
RHU St Mary's Hospital, Portsmouth	5799	6254	6224	107	5541	5650	5599	101	5444	5588	5559	102
<i>Southampton and South West Hampshire HA</i>												
RHS Hythe, Lymington & Romsey Hospitals	263	273	257	98	251	267	246	98	290	293	279	96
RHM Princess Anne Hospital, Southampton	4550	8936	3714	82	4420	11497	3333	75	4244	10641	3177	75
<i>West Kent HA</i>												
RPA All Saints Hospital, Chatham	3629	3571	0	0	3713	3654	0	0	3785	3792	3086	82
RN7 Gravesend & North Kent Hospital	2343	2368	2366	101	2309	2319	2040	88	2220	2242	445	20
RWF02 Maidstone Hospital	2630	2675	0	0	2574	2613	0	0	2405	2435	4	0
RWF01 Pembury Hospital	2446	2441	2434	100	2377	2391	2382	100	2251	2282	2275	101
<i>West Surrey HA</i>												
RDU Frimley Park Hospital	3714	3718	3708	100	3578	3586	3578	100	3434	3437	3423	100
RA2 Royal Surrey County Hospital, Guildford	3213	3142	0	0	3206	3341	0	0	3006	3035	0	0
RTK St Peter's Hospital, Chertsey	4052	4017	3909	96	3773	3706	3704	98	3815	2653	2644	69
<i>West Sussex HA</i>												
RPS Princess Royal Hospital, Haywards Heath	2152	1420	1404	65	2137	464	462	22	2165	459	459	21
RPR St Richard's Hospital, Chichester	1861	1823	0	0	1748	1726	0	0	1767	1749	0	0
RPL Worthing Hospital	2278	2266	2266	99	2246	2139	1453	65	2183	2180	2170	99
<b>REGIONAL TOTAL</b>	<b>95120</b>	<b>95963</b>	<b>55687</b>	<b>59</b>	<b>92773</b>	<b>94072</b>	<b>51838</b>	<b>56</b>	<b>90903</b>	<b>94155</b>	<b>59670</b>	<b>66</b>
<b>SOUTH WEST</b>												
<i>Avon HA</i>												
RA7 St Michael's Hospital, Bristol	4497	4424	0	0	4505	4525	3302	73	4461	4285	3893	87
RVJ Southmead Hospital	4977	4987	4987	100	4774	4757	4756	100	4409	4013	2892	66
RA3 Weston General Hospital	412	287	0	0	373	364	0	0	347	343	0	0
<i>Cornwall and Isles of Scilly HA</i>												
RJ8 Penrice Hospital, St Austell	281	268	0	0	235	209	0	0	202	183	0	0
REF Royal Cornwall Hospital, Truro	3445	3482	2890	84	3410	3429	3066	90	3238	2967	1800	56
<i>Dorset HA</i>												
RD3 Poole Hospital	3615	3612	2579	71	3580	3584	2960	83	3491	3489	2868	82
RDZ Royal Bournemouth Hospital	802	815	769	96	626	627	604	96	549	552	538	98
RBD West Dorset General Hospital	1751	2508	0	0	1684	1762	1215	72	1612	1633	1110	69
<i>Gloucestershire HA</i>												
RH6 Gloucester Maternity Hospital	3116	2972	2810	90	2985	2991	2987	100	2804	2417	1995	71
RA5 St Paul's Hospital, Cheltenham	2600	2610	2609	100	2633	2639	2356	89	2535	2536	2534	100
RH7 Stroud Maternity Hospital	268	264	258	96	257	255	255	99	293	541	541	185
<i>North and East Devon HA</i>												
REA Honiton & Tiverton Hospitals	474	471	378	80	359	359	359	100	313	314	314	100
RBZ North Devon District Hospital, Barnstaple	1411	1464	1034	73	1360	1389	999	73	1330	1394	926	70
RH8 Royal Devon & Exeter Hospital	2780	2777	1843	66	2815	2825	2820	100	2699	2704	2698	100
<i>Somerset HA</i>												
RBA Musgrove Park Hospital, Taunton	2796	2810	0	0	2576	2022	0	0	2613	2003	0	0
RA4 Yeovil District Hospital	1422	1424	0	0	1392	1395	0	0	1280	1275	0	0
<i>South and West Devon HA</i>												
RK9 Derriford Hospital, Plymouth	4325	4077	0	0	4049	3653	0	0	3953	3868	0	0
RA9 Torbay Hospital	2105	2151	0	0	2073	2114	0	0	1960	2004	0	0
<i>Wiltshire HA</i>												
RN3 Princess Margaret Hospital, Swindon	3387	3393	2981	88	3188	3183	2659	83	3045	3043	2499	82
RNZ Salisbury District Hospital	2118	2055	0	0	1965	1942	0	0	2009	1980	0	0
RVQ Royal United, Bath	4938	4445	0	0	5033	4317	0	0	4828	4140	0	0

Table 32 Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01

Hospital	1998-99				1999-00				2000-01			
	Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records	
			number	percentage of deliveries registered			number	percentage of deliveries registered			number	percentage of deliveries registered
England	577,535	550,474	353,377	61	565,319	542,984	361,476	64	549,566	524,125	364,903	66
<b>REGIONAL TOTAL</b>	<b>51520</b>	<b>51296</b>	<b>23138</b>	<b>45</b>	<b>49872</b>	<b>48341</b>	<b>28338</b>	<b>57</b>	<b>47971</b>	<b>45684</b>	<b>24608</b>	<b>51</b>

Table 32 Registered deliveries, total HES records and usable HES records, by hospital, 1998-99 to 2000-01

Hospital	1998-99				1999-00				2000-01			
	Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records		Deliveries registered	HES records (1)	Usable records	
			number	percentage of deliveries registered			number	percentage of deliveries registered			number	percentage of deliveries registered
<b>England</b>	<b>577,535</b>	<b>550,474</b>	<b>353,377</b>	<b>61</b>	<b>565,319</b>	<b>542,984</b>	<b>361,476</b>	<b>64</b>	<b>549,566</b>	<b>524,125</b>	<b>364,903</b>	<b>66</b>
<b>WEST MIDLANDS</b>												
<i>Birmingham HA and Solihull HA</i>												
RR1 Birmingham Heartlands & Solihull Mat. Hospitals	6692	6647	6247	93	6548	6489	5875	90	6529	6498	5909	91
RLU Birmingham Women's Hospital	6119	6151	6151	101	6073	6153	5987	99	5711	5911	5331	93
RLW City Hospital, Birmingham	3087	3323	3310	107	2900	2939	2906	100	3037	3075	2805	92
RJH Good Hope Hospital, Sutton Coldfield	2926	2929	2928	100	2934	2941	2939	100	3048	2951	2947	97
<i>Coventry HA</i>												
RKB Coventry Maternity Hospital	4416	4092	0	0	4368	4350	4343	99	4165	4181	0	0
<i>Dudley HA</i>												
RNA Wordsley Hospital	3961	3987	3888	98	3822	3871	3788	99	3791	3836	3734	98
<i>Herefordshire HA</i>												
RLQ Hereford County Hospital	1728	1530	1453	84	1644	1556	424	26	1546	1549	0	0
<i>North Staffordshire HA</i>												
RJE North Staffordshire Hospital, Stoke on Trent	5165	5205	0	0	5018	5050	0	0	4794	4939	0	0
<i>Sandwell HA</i>												
RNE Sandwell DGH	2507	2505	2132	85	2457	2463	2457	100	2376	2386	0	0
<i>Shropshire HA</i>												
RLZ23 Bridgnorth Hospital	76	124	61	80	89	123	0	0	74	134	81	109
RLZ22 Ludlow Hospital	105	145	83	79	112	157	0	0	84	135	95	113
RLZ32 Robert Jones & Agnes Hunt Hospital, Oswestry	161	242	124	77	112	205	0	0	98	164	104	106
RLZ51 Royal Shrewsbury Hospital	3990	4434	3148	79	4024	4508	3380	84	3761	4295	3601	96
RLZ12 Wrekin Hospital, Wellington	397	632	324	82	399	690	0	0	431	659	447	104
<i>South Staffordshire HA</i>												
RJF Burton upon Trent Hospital	2882	2914	2871	100	2750	2895	2883	105	2721	2919	2897	106
RJD Stafford DGH	2286	2301	2301	101	2140	2147	2147	100	1951	1955	1955	100
RNG Victoria Hospital, Lichfield	263	238	234	89	301	326	322	107	249	251	248	100
<i>Walsall HA</i>												
RBK Manor Hospital, Walsall	3687	3680	3678	100	3509	3502	3499	100	3469	3479	0	0
<i>Warwickshire HA</i>												
RLT Nuneaton Maternity Hospital	2408	2407	2382	99	2296	2313	1087	47	2278	2321	2199	97
RJC Warwick Hospital	2386	2385	2379	100	2363	2348	2341	99	2396	2384	2380	99
<i>Wolverhampton HA</i>												
RL4 New Cross Hospital, Wolverhampton	3646	12079	1411	39	3581	6378	1657	46	3324	3330	1484	45
<i>Worcestershire HA</i>												
RWP01 Alexandra Hospital, Redditch	1783	1782	1434	80	1737	30	0	0	1726	1551	1542	89
RWP31 Kidderminster General Hospital	417	450	449	108	361	378	377	104	301	354	350	116
RWP52 Worcester Royal Infirmary	3204	1093	917	29	3134	120	0	0	2969	3159	3129	105
<b>REGIONAL TOTAL</b>	<b>64292</b>	<b>71275</b>	<b>47905</b>	<b>75</b>	<b>62672</b>	<b>61932</b>	<b>46412</b>	<b>74</b>	<b>60829</b>	<b>62416</b>	<b>41238</b>	<b>68</b>
<b>NORTHWEST</b>												
<i>Bury and Rochdale HA</i>												
REZ Birch Hill Hospital, Rochdale	1815	1794	1792	99	1771	1777	1777	100	1679	1675	1674	100
RMN Fairfield General Hospital, Bury	2430	2420	2418	100	2406	2396	2395	100	2341	2339	2339	100
<i>East Lancashire HA</i>												
REU Burnley General Hospital	2359	2352	2347	99	2219	2226	2224	100	2185	2159	2148	98
RMB Queen's Park Hospital, Blackburn	3581	3566	3564	100	3465	3468	3466	100	3538	3300	3298	93
<i>Liverpool HA</i>												
REP Liverpool Maternity Hospital	6100	6091	0	0	5955	5912	0	0	5873	5826	0	0
<i>Manchester HA</i>												
RBU St Mary's Hospital, Manchester	4079	3890	3884	95	3913	3880	3876	99	3953	2510	2499	63
RM2 Withington & Wythenshawe Hospitals	2794	2805	2802	100	2701	2637	2610	97	2505	2456	2446	98
RMK North Manchester General Hospital	2303	2303	2301	100	2107	2099	2097	100	2116	2093	2092	99
<i>Morecambe Bay HA</i>												
RTX Morecambe Bay Hospitals	3341	3306	3231	97	3279	3068	1482	45	3173	3077	2952	93
<i>North Cheshire HA</i>												
RKC Warrington Hospital	3408	3402	0	0	3397	3381	0	0	3146	3095	0	0
<i>North West Lancashire HA</i>												
RMF Sharoe Green Hospital, Fulwood	3923	3879	3871	99	3730	3736	3736	100	3605	3590	3590	100
RMR Victoria Hospital, Blackpool	2892	2852	2820	98	2793	2343	2267	81	2718	2428	2418	89
<i>St Helens and Knowsley HA</i>												
RBN Whiston Hospital	2822	2821	2820	100	2805	2803	2803	100	2647	2645	2644	100
<i>Salford and Trafford HA</i>												
RM3 Hope Hospital, Salford	2689	2611	2596	97	2493	2419	2419	97	2426	2299	2298	95
RM4 Trafford General Hospital	1484	1175	1168	79	1539	1504	1504	98	1463	1431	1431	98
<i>Sefton HA</i>												
REM Fazakerley Hospital	2682	2693	0	0	2481	2489	2403	97	2513	2542	2485	99
<i>South Cheshire HA</i>												
RJR Countess of Chester Hospital	3088	3187	1936	63	2935	2905	249	8	2862	2804	0	0
RBT Leighton Hospital, Crewe	2464	2414	0	0	2512	2285	0	0	2442	2438	0	0
RJN Macclesfield DGH	1766	1770	734	42	1797	1801	1724	96	1705	1712	1712	100
<i>South Lancashire HA</i>												
RJU Chorley and District Hospital	61	58	50	82	161	163	163	101	214	212	212	99
RVY Ormskirk & Southport Hospitals	2137	3112	2024	95	2113	2086	1263	60	1961	1987	1812	92
<i>Stockport HA</i>												
RWJ Stepping Hill Hospital, Stockport	3350	2913	0	0	3354	3372	495	15	3155	3413	3130	99
<i>West Pennine HA</i>												
REX Royal Oldham Hospital	3083	3088	3081	100	2993	2994	2989	100	2937	2927	2922	99
RMP Tameside General Hospital	2511	2381	2378	95	2435	2368	2367	97	2296	2237	2227	97
<i>Wigan and Bolton HA</i>												
RMC Bolton General Hospital	3862	4032	3992	103	3835	3805	3797	99	3675	3660	3659	100
RJY Billinge Hospital, Wigan	2967	2938	2926	99	2922	2915	2912	100	2856	2858	2858	100
<i>Wirral HA</i>												
RBL Arrows Park Hospital, Birkenhead	3401	3535	2702	79	3215	3258	2666	83	3114	3225	2521	81
<b>REGIONAL TOTAL</b>	<b>77392</b>	<b>77388</b>	<b>55437</b>	<b>72</b>	<b>75326</b>	<b>74090</b>	<b>53684</b>	<b>71</b>	<b>73098</b>	<b>70938</b>	<b>55367</b>	<b>76</b>

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records number (=100%)	Spontaneous	Caes-arean	Induction		Surgical and drug	Drug	Usable records number (=100%)	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical						Total	forceps		ventouse
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>
<b>NORTHERN AND YORKSHIRE</b>														
<i>Bradford HA</i>														
RCF Airedale General Hospital	2117	65	11	25	1	8	16	2211	67	0	9	4	5	23
RAE Bradford Royal Infirmary, Maternity Unit	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Calderdale and Kirklees HA</i>														
RMW Dewsbury District Hospital	2342	71	5	24	1	6	16	2454	72	1	10	5	4	17
RGA Halifax General Hospital	1797	81	10	9	4	3	2	1876	67	1	11	5	6	22
RGB Huddersfield Royal Infirmary	485	77	10	13	2	4	7	479	72	0	9	1	8	19
<i>County Durham HA</i>														
RTA Bishop Auckland & Darlington Hospitals	1193	70	9	21	14	2	4	2572	72	0	8	3	5	21
RR9 Dryburn and Shotley Bridge Hospitals	1447	67	9	24	2	10	12	1445	73	0	9	3	6	18
<i>East Riding HA</i>														
RV9 Bridlington & District Hospitals	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RWA Castle Hill & Hull Maternity Hospitals	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Gateshead and South Tyneside HA</i>														
RR7 Queen Elizabeth Hospital, Gateshead	397	30	3	66	32	0	34	1568	71	0	8	3	5	20
RE9 South Shields Maternity Hospital	1413	60	8	32	20	0	12	1421	69	0	9	5	5	21
<i>Leeds HA</i>														
RR801 Leeds General Infirmary	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RR813 St Jame's University Hospital, Leeds	2890	71	9	20	2	2	16	2896	74	0	10	6	4	16
<i>Newcastle and North Tyneside HA</i>														
RTF04 Hexham General Hospital	446	67	9	24	2	1	21	439	70	1	12	5	7	18
RTF02 North Tyneside General Hospital	1639	72	6	21	0	0	20	1646	74	0	8	4	4	18
RTD Royal Victoria Infirmary, Newcastle	4400	73	8	19	2	7	10	4456	62	0	19	8	11	19
<i>North Cumbria HA</i>														
RLG City Maternity Hospital, Carlisle	1498	70	8	22	4	6	12	1499	72	0	9	2	7	19
RLF Penrith Hospital	123	99	0	1	0	0	1	114	100	0	0	0	0	0
RE7 West Cumberland Hospital	1160	59	8	33	0	0	33	1180	72	0	8	2	6	19
<i>Northumberland HA</i>														
RTF01 Ashington Hospital	1620	66	9	25	5	15	5	1651	68	0	11	4	7	21
<i>North Yorkshire HA</i>														
RCA Friarage Hospital, Northallerton	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RCD Harrogate General Hospital	1496	67	11	23	0	1	22	1500	60	0	12	7	5	28
RCC Scarborough Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RCB York District Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Sunderland HA</i>														
RLN Sunderland DGH	2882	77	6	18	1	13	4	0	..	..	..	..	..	..
<i>Tees HA</i>														
RWV Hartlepool & North Tees Hospitals	3023	74	6	20	3	7	11	3142	75	1	8	3	5	17
RCJ South Cleveland Hospital	3271	65	13	23	4	9	10	3275	67	0	11	3	7	22
<i>Wakefield HA</i>														
RR4 Pinderfields & Pontefract Hospitals	3238	69	6	25	2	4	18	3203	77	2	8	4	4	14
<b>TRENT</b>														
<i>Barnsley HA</i>														
RFF Barnsley DGH	1858	64	12	24	2	13	9	0	..	..	..	..	..	..
<i>Doncaster HA</i>														
RAG Doncaster Royal Infirmary	3078	71	7	22	3	13	5	3123	68	1	12	4	9	19
<i>Leicestershire HA</i>														
RWEAK Leicestershire General Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RWEAA Leicester Royal Infirmary	4627	62	13	26	7	14	5	4630	67	1	11	5	7	20
RT5 St Mary's Melton Mowbray	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Lincolnshire HA</i>														
RWD United Lincolnshire Hospitals	3682	66	9	26	3	2	20	3966	67	1	13	6	7	20
<i>North Derbyshire HA</i>														
RFS Chesterfield & N. Derbyshire Royal Hospital	2430	71	7	22	3	7	13	2490	70	0	10	2	8	19
<i>North Nottinghamshire HA</i>														
RCP Bassetlaw DGH	1144	74	8	17	2	3	13	0	..	..	..	..	..	..
RK5 King's Mill Hospital, Sutton in Ashfield	2447	65	5	30	3	18	9	2447	70	1	15	6	8	15
<i>Nottingham HA</i>														
RCS Nottingham City Hospital	5257	68	11	20	4	3	13	5373	64	0	14	6	7	22
RFK Nottingham University Hospital	0	..	..	..	..	..	..	2689	58	0	15	5	10	27
<i>Rotherham HA</i>														
RFR Rotherham DGH	2399	72	8	20	2	2	16	2444	71	0	10	3	7	18
<i>Sheffield HA</i>														
RCVFA Jessop Hospital, Sheffield	3316	68	9	23	2	11	10	3463	62	0	16	5	9	22
RCVFN Northern General Hospital, Sheffield	2203	73	7	20	6	2	12	2185	68	0	14	4	11	18
<i>South Derbyshire HA</i>														
RTG Derby City General Hospital	0	..	..	..	..	..	..	4297	68	2	12	5	7	19
<i>South Humber HA</i>														
RF6 Grimsby Maternity Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RF7 Scunthorpe General Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records number (=100%)	Spontaneous	Caes-arean	Induction		Surgical and drug	Drug	Usable records number (=100%)	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical						Total	forceps		ventouse
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>
<b>EASTERN</b>														
<i>Bedfordshire HA</i>														
RC1 Bedford Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RC9 Luton & Dunstable Hospital	3135	76	7	16	6	6	5	3459	68	1	11	4	7	21
<i>Cambridgeshire HA</i>														
RGT Addenbrooke's Hospital	2540	69	10	21	2	10	9	2681	57	0	16	7	9	26
RQQ Hinchingsbrooke Hospital	1793	68	11	21	4	2	15	1799	69	0	9	5	5	22
RGN Peterborough District Hospital	3320	71	10	19	2	4	14	3313	65	0	14	5	9	21
<i>East and North Hertfordshire HA</i>														
RWH Queen Elizabeth II & Lister Hospitals	2308	63	9	28	1	6	22	2381	64	0	13	3	10	22
<i>Norfolk HA</i>														
RGP James Paget Hospital, Gorleston	1859	68	10	22	4	11	8	1902	69	0	10	4	7	20
RM1 Norfolk and Norwich Hospital	4532	66	10	24	3	3	17	4535	64	0	13	3	10	23
RCX Queen Elizabeth Hospital, Kings Lynn	1650	62	18	19	7	1	11	1643	62	0	9	2	7	28
<i>North Essex HA</i>														
RDE Colchester Maternity Hospital	3057	64	10	26	3	3	20	3093	67	0	11	2	9	22
RQW Princess Alexandra Hospital, Harlow	2459	70	9	21	3	4	14	2520	66	0	8	2	7	25
RQ8 St John's Hospital, Chelmsford	3267	59	15	26	4	0	23	3264	64	0	9	4	5	27
<i>South Essex HA</i>														
RDD Basildon Hospital	3335	71	7	22	2	2	18	3364	68	0	12	4	9	19
RAJ Rochford General Hospital	3170	67	7	26	4	3	20	3231	66	0	9	4	5	24
<i>Suffolk HA</i>														
RGQ Ipswich Hospital	3153	68	11	21	1	10	9	3152	65	0	11	3	9	23
RGR West Suffolk Hospital	2151	68	12	21	3	4	13	2241	65	0	9	2	7	25
<i>West Hertfordshire HA</i>														
RWG08 Hemel Hempstead General Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RWG02 Watford General	2023	80	8	12	2	4	6	2073	65	1	16	4	11	19
<b>LONDON</b>														
<i>Barking and Havering HA</i>														
RG7 Harold Wood Hospital	3539	72	8	20	3	3	14	3702	70	0	12	3	9	18
<i>Barnet HA</i>														
RVL00 Barnet General Hospital	2756	75	9	17	1	3	13	2817	67	0	12	3	9	20
<i>Bexley and Greenwich HA</i>														
RG2 Queen Elizabeth Hospital, Greenwich	2589	70	12	19	2	5	12	0	..	..	..	..	..	..
RGZ Queen Mary's Hospital, Sidcup	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Brent and Harrow HA</i>														
RV8XX Central Middlesex Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RV800 Northwick Park Hospital	0	..	..	..	..	..	..	1326	74	1	16	3	13	10
<i>Bromley HA</i>														
RG3 Farnborough Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Camden and Islington HA</i>														
RAL Royal Free Hospital, Hampstead	2703	68	14	19	1	0	18	2728	57	0	14	4	11	28
RRV University College Hospital	2635	70	11	20	2	2	16	2721	59	0	15	4	11	26
RKE Whittington Hospital	3004	73	6	21	3	3	15	3082	59	0	16	6	10	25
<i>Croydon HA</i>														
RJ6 Mayday Hospital, Croydon	3931	78	10	11	0	0	11	3926	67	0	12	2	10	21
<i>Ealing, Hammersmith and Hounslow HA</i>														
RC3 Ealing Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RQN Queen Charlotte's and Chelsea Hospital	4051	61	15	23	3	2	18	4042	58	0	14	4	10	27
RFW West Middlesex Hospital	2491	74	9	18	1	4	13	2478	69	1	13	4	9	18
<i>East London and The City HA</i>														
RQX Homerton Hospital	4048	76	7	17	1	9	7	4029	65	0	10	4	6	25
RNH Newham Hospital	3973	72	7	21	1	12	8	3947	74	0	5	1	4	21
RNJ Royal London Hospital	3535	81	5	14	1	8	5	3521	70	1	10	4	6	19
<i>Enfield and Haringey HA</i>														
RVLC7 Chase Farm Hospital, Enfield	2765	70	9	20	3	4	14	2803	62	0	13	3	10	24
RAP North Middlesex Hospital	2688	78	7	14	0	0	14	2691	75	0	5	1	4	19
<i>Hillingdon HA</i>														
RAS Hillingdon Hospital	2957	84	8	8	3	3	2	3071	69	1	9	3	6	20
<i>Kensington, Chelsea and Westminster HA</i>														
RQM Chelsea and Westminster Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RJ5 St Mary's Hospital, Paddington	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Kingston and Richmond HA</i>														
RAX Kingston Hospital	3696	70	14	16	3	5	7	3678	57	0	17	6	11	26
<i>Lambeth, Lewisham and Southwark HA</i>														
RJ1 Guy's and St Thomas' Hospitals	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RJ2 King's College Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RJ2 University Hospital, Lewisham	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Merton, Sutton and Wandsworth HA</i>														
RVR Epsom & St Helier Hospitals	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RJ7 St George's Hospital, Tooting	3595	64	18	18	14	1	3	3542	59	0	17	6	11	23
<i>Redbridge and Waltham Forest HA</i>														
RG4 King George Hospital, Newbury Park	4111	67	7	25	3	5	18	4140	68	0	11	2	8	21
RDF Whipps Cross Hospital	3681	75	10	15	1	1	13	3795	66	1	9	2	6	25

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records number (=100%)	Spontaneous	Caes-arean	Induction		Surgical and drug	Drug	Usable records number (=100%)	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical						Total	forceps		ventouse
England	358,642	69	10	22	4	6	12	362,468	67	1	11	4	7	21

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)							
	Usable records	Spontaneous	Caes-arean	Induction			Drug	Usable records	Spontaneous	Breech	Instrumental		Caes-arean		
				Total	Surgical	Surgical and drug					Total	forceps		ventouse	
	number (=100%)							number (=100%)							
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>	
<b>SOUTH EAST</b>															
<i>Berkshire HA</i>															
RD7	Heatherwood & Wexham Park Hospitals	574	83	13	4	1	1	2	734	61	0	12	5	7	27
RHW	Royal Berkshire Hospital, Reading	3934	77	0	23	0	0	23	4495	60	0	14	6	9	26
<i>Buckinghamshire HA</i>															
RD8	Milton Keynes General Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RNT	Stoke Mandeville Hospital	2505	70	9	21	1	17	3	2511	66	0	14	5	8	20
RH2	Wycombe General Hospital	2524	70	9	21	5	10	7	2579	66	1	14	4	10	19
<i>East Kent HA</i>															
RVVKC	Kent & Canterbury Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RVV09	Queen Elizabeth The Queen Mother Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RRV01	William Harvey Hospital, Ashford	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>East Surrey HA</i>															
RTP	East Surrey & Crawley Hospitals	3629	66	15	19	1	8	9	3660	60	0	13	2	11	27
<i>East Sussex HA</i>															
RDM	Buchanan Hospital, St Leonards on Sea	1511	65	11	24	0	0	24	1509	67	0	10	4	6	23
RDL	Eastbourne DGH	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RGU	Royal Sussex County Hospital, Brighton	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Isle of Wight HA</i>															
RR2	St Mary's Hospital, Isle of Wight	1103	69	12	19	6	13	0	1100	74	0	7	3	4	18
<i>North and Mid Hampshire HA</i>															
RN5	North Hampshire Hospital, Basingstoke	2392	68	13	19	3	7	10	2368	63	0	12	3	9	24
RN1	Royal Hampshire County Hospital, Winchester	2494	73	14	13	4	0	9	2424	68	0	9	6	3	23
<i>Northamptonshire HA</i>															
RNQ	Kettering General Hospital	3751	67	9	24	5	7	12	3779	69	0	9	4	5	21
RNS	Northampton General Hospital	3529	71	9	20	4	7	9	3654	64	0	10	4	6	26
<i>Oxfordshire HA</i>															
RTH05	Horton Maternity Hospital	1382	67	11	22	3	3	16	1382	66	0	13	4	8	21
RTH00	John Radcliffe Hospital, Oxford	5886	66	11	24	3	10	12	5886	64	0	15	7	8	21
<i>Portsmouth and South East Hampshire HA</i>															
RHU	St Mary's Hospital, Portsmouth	5559	67	10	24	2	12	10	5539	69	0	9	3	6	21
<i>Southampton and South West Hampshire HA</i>															
RHS	Hythe, Lyminster & Romsey Hospitals	180	100	0	0	0	0	0	144	99	0	1	0	0	0
RHM	Princess Anne Hospital, Southampton	3142	73	7	20	4	7	9	3177	71	0	10	4	6	19
<i>West Kent HA</i>															
RPA	All Saints Hospital, Chatham	2970	60	11	28	4	3	22	3085	62	0	11	10	0	27
RN7	Gravesend & North Kent Hospital	136	63	14	24	0	0	24	445	66	0	15	6	9	19
RWF02	Maidstone Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RWF01	Pembury Hospital	2279	68	13	19	4	9	6	2275	60	0	16	2	14	24
<i>West Surrey HA</i>															
RDU	Frimley Park Hospital	3423	66	12	21	21	0	0	3349	64	0	12	5	7	24
RA2	Royal Surrey County Hospital, Guildford	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RTK	St Peter's Hospital, Chertsey	2644	63	13	24	0	5	18	2644	57	0	16	4	12	27
<i>West Sussex HA</i>															
RPS	Princess Royal Hospital, Haywards Heath	459	67	11	22	3	6	13	457	63	0	11	6	5	25
RPR	St Richard's Hospital, Chichester	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RPL	Worthing Hospital	2166	66	11	23	3	4	16	2150	68	0	11	3	8	21
<b>SOUTH WEST</b>															
<i>Avon HA</i>															
RA7	St Michael's Hospital, Bristol	3899	63	12	24	5	0	19	3893	63	0	14	4	11	22
RVJ	Southmead Hospital	2894	68	12	21	3	2	16	2892	65	0	14	4	10	21
RA3	Weston General Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Cornwall and Isles of Scilly HA</i>															
RJ8	Penrice Hospital, St Austell	0	..	..	..	..	..	..	0	..	..	..	..	..	..
REF	Royal Cornwall Hospital, Truro	1800	68	8	24	5	0	20	1800	73	0	12	3	9	15
<i>Dorset HA</i>															
RD3	Poole Hospital	2823	59	14	27	5	13	10	2860	63	1	9	4	5	27
RDZ	Royal Bournemouth Hospital	534	98	0	1	0	0	1	538	94	1	3	2	2	2
RBD	West Dorset General Hospital	1110	51	21	28	22	4	2	1105	60	0	10	1	9	29
<i>Gloucestershire HA</i>															
RH6	Gloucester Maternity Hospital	1995	67	11	22	5	3	14	1995	65	1	14	4	11	21
RA5	St Paul's Hospital, Cheltenham	2449	67	10	23	2	0	21	2450	62	0	15	3	12	22
RH7	Stroud Maternity Hospital	324	100	0	0	0	0	0	324	99	1	0	0	0	0
<i>North and East Devon HA</i>															
REA	Honiton & Tiverton Hospitals	314	100	0	0	0	0	0	314	100	0	0	0	0	0
RBZ	North Devon District Hospital, Barnstaple	926	69	11	20	5	0	14	926	71	0	11	2	8	18
RH8	Royal Devon & Exeter Hospital	2674	64	14	22	4	6	12	2675	63	0	13	4	9	24
<i>Somerset HA</i>															
RBA	Musgrove Park Hospital, Taunton	1835	69	14	17	1	3	14	0	..	..	..	..	..	..
RA4	Yeovil District Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>South and West Devon HA</i>															
RK9	Derriford Hospital, Plymouth	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RA9	Torbay Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Wiltshire HA</i>															

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records number (=100%)	Spontaneous	Caes-arean	Induction		Surgical	Surgical and drug	Usable records number (=100%)	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical						Total	forceps		ventouse
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>
RN3 Princess Margaret Hospital, Swindon	2432	51	12	37	12	5	19	2433	58	1	13	3	10	29
RNZ Salisbury District Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RVQ Royal United, Bath	0	..	..	..	..	..	..	0	..	..	..	..	..	..

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records	Spontaneous	Caes-arean	Induction			Drug	Usable records	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical	Surgical and drug					Total	forceps		ventouse
	number (=100%)							number (=100%)						
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>
<b>WEST MIDLANDS</b>														
<i>Birmingham HA and Solihull HA</i>														
RR1 Birmingham Heartlands and Solihull Maternity Hospitals	5239	77	5	18	7	10	1	5909	65	0	7	3	4	28
RLU Birmingham Women's Hospital	5301	69	13	19	5	6	8	5331	64	1	10	4	6	26
RLW City Hospital, Birmingham	0	..	..	..	..	..	..	2794	72	1	7	2	5	20
RJH Good Hope Hospital, Sutton Coldfield	2943	65	13	23	3	3	17	2942	65	1	11	3	8	23
<i>Coventry HA</i>														
RKB Coventry Maternity Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Dudley HA</i>														
RNA Wordsley Hospital	3732	60	13	27	4	8	15	3733	69	0	8	4	4	23
<i>Herefordshire HA</i>														
RLQ Hereford County Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>North Staffordshire HA</i>														
RJE North Staffordshire Hospital, Stoke on Trent	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Sandwell HA</i>														
RNE Sandwell DGH	2120	77	6	17	7	3	7	0	..	..	..	..	..	..
<i>Shropshire HA</i>														
RLZ23 Bridgnorth Hospital	75	100	0	0	0	0	0	74	100	0	0	0	0	0
RLZ22 Ludlow Hospital	85	98	0	2	1	0	1	85	96	1	1	1	0	1
RLZ32 Robert Jones & Agnes Hunt Hospital, Oswestry	93	99	0	1	1	0	0	93	99	0	1	0	1	0
RLZ51 Royal Shrewsbury Hospital	3366	68	4	28	7	6	15	3380	74	2	13	4	8	11
RLZ12 Wrekin Hospital, Wellington	399	99	0	1	0	0	1	397	99	0	1	0	0	1
<i>South Staffordshire HA</i>														
RJF Burton upon Trent Hospital	2897	67	11	23	4	12	8	2897	62	0	12	3	9	25
RJD Stafford DGH	1937	63	10	27	2	15	10	1945	73	1	8	2	6	18
RNG Victoria Hospital, Lichfield	240	92	0	8	0	0	8	240	100	0	0	0	0	0
<i>Walsall HA</i>														
RBK Manor Hospital, Walsall	3468	66	11	22	2	2	18	0	..	..	..	..	..	..
<i>Warwickshire HA</i>														
RLT Nuneaton Maternity Hospital	2135	68	10	22	1	0	21	2198	72	0	6	2	4	21
RJC Warwick Hospital	2327	69	11	19	3	5	11	2379	63	0	12	5	7	25
<i>Wolverhampton HA</i>														
RL4 New Cross Hospital, Wolverhampton	0	..	..	..	..	..	..	1484	64	0	15	5	10	21
<i>Worcestershire HA</i>														
RWP01 Alexandra Hospital, Redditch	1500	66	10	24	5	8	11	1527	61	0	13	7	5	26
RWP31 Kidderminster General Hospital	339	94	6	1	0	0	1	345	86	0	3	1	1	11
RWP52 Worcester Royal Infirmary	3099	65	14	22	2	10	10	3129	58	0	10	4	6	32
<b>NORTHWEST</b>														
<i>Bury and Rochdale HA</i>														
REZ Birch Hill Hospital, Rochdale	1674	66	13	20	2	2	17	1674	71	0	6	1	5	22
RMN Fairfield General Hospital, Bury	2339	46	9	45	22	14	8	2338	72	0	9	2	7	19
<i>East Lancashire HA</i>														
REU Burnley General Hospital	2148	73	8	18	4	8	6	2142	73	0	9	3	6	18
RMB Queen's Park Hospital, Blackburn	3298	64	9	27	4	4	19	3293	74	1	7	1	6	18
<i>Liverpool HA</i>														
REP Liverpool Maternity Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>Manchester HA</i>														
RBU St Mary's Hospital, Manchester	2499	67	17	17	10	5	2	2490	69	0	11	4	6	19
RM2 Withington & Wythenshawe Hospitals	2446	67	10	23	4	15	4	2445	63	0	14	4	10	24
RMK North Manchester General Hospital	2092	70	9	22	2	13	6	2089	76	0	7	1	5	17
<i>Morecambe Bay HA</i>														
RTX Morecambe Bay Hospitals	2904	63	11	26	1	5	20	2910	70	0	9	3	6	21
<i>North Cheshire HA</i>														
RKC Warrington Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
<i>North West Lancashire HA</i>														
RMF Sharoe Green Hospital, Fulwood	3590	68	14	18	1	3	14	3589	70	1	8	3	6	21
RMR Victoria Hospital, Blackpool	2417	64	11	26	1	7	18	2349	70	1	10	4	5	20
<i>St Helens and Knowsley HA</i>														
RBN Whiston Hospital	2644	66	12	22	5	7	10	2643	70	0	8	2	6	22
<i>Salford and Trafford HA</i>														
RM3 Hope Hospital, Salford	2298	70	10	21	1	7	12	2296	69	1	9	2	7	21
RM4 Trafford General Hospital	1431	62	13	25	10	2	13	1426	62	0	11	3	9	26
<i>Sefton HA</i>														
REM Fazakerley Hospital	2485	65	13	22	4	8	9	2485	67	0	8	2	6	24
<i>South Cheshire HA</i>														
RJR Countess of Chester Hospital	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RBT Leighton Hospital, Crewe	0	..	..	..	..	..	..	0	..	..	..	..	..	..
RJN Macclesfield DGH	1712	67	13	20	0	20	0	1712	69	0	11	2	9	20
<i>South Lancashire HA</i>														
RJU Chorley and District Hospital	212	100	0	0	0	0	0	212	100	0	0	0	0	0
RVY Ormskirk & Southport Hospitals	1812	78	7	15	1	1	13	1812	74	0	8	2	6	17
<i>Stockport HA</i>														
RWJ Stepping Hill Hospital, Stockport	3095	72	10	18	2	1	16	3130	66	0	11	4	7	23
<i>West Pennine HA</i>														
REX Royal Oldham Hospital	2922	65	11	24	4	6	14	2921	72	0	9	1	8	18

Table 33 Method of onset of labour and method of delivery, by hospital, 2000-01

Hospital	Method of onset of labour (%)							Method of delivery (%)						
	Usable records number (=100%)	Spontaneous	Caes-arean	Induction		Surgical and drug	Drug	Usable records number (=100%)	Spontaneous	Breech	Instrumental		Caes-arean	
				Total	Surgical						Total	forceps		ventouse
<b>England</b>	<b>358,642</b>	<b>69</b>	<b>10</b>	<b>22</b>	<b>4</b>	<b>6</b>	<b>12</b>	<b>362,468</b>	<b>67</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>21</b>
RMP Tameside General Hospital	2227	75	7	18	1	4	13	2223	76	0	7	0	6	16
<i>Wigan and Bolton HA</i>														
RMC Bolton General Hospital	3659	68	8	24	4	4	16	3654	72	0	11	4	7	17
RJY Billinge Hospital, Wigan	2858	65	9	25	2	11	12	2857	69	0	11	4	7	19
<i>Wirral HA</i>														
RBL Arrows Park Hospital, Birkenhead	2586	66	8	26	1	17	9	2521	72	1	8	8	0	19

Table 34

Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01

percentages

Hospital	Surgical and/or drugs onset of labour			Caesarean onset of labour			
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	
<b>England</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>10</b>	<b>10</b>	
<b>NORTHERN AND YORKSHIRE</b>							
Bradford HA							
RCF	Airedale General Hospital	25	24	25	8	9	11
RAE	Bradford Royal Infirmary, Maternity Unit	..	..	..	..	..	..
Calderdale and Kirklees HA							
RMW	Dewsbury District Hospital	..	22	24	..	6	5
RGA	Halifax General Hospital	10	9	9	9	9	10
RGB	Huddersfield Royal Infirmary	..	18	13	..	8	10
County Durham HA							
RTA	Bishop Auckland & Darlington Hospitals	24	23	21	8	7	9
RR9	Dryburn and Shotley Bridge Hospitals	25	24	24	9	7	9
East Riding HA							
RV9	Bridlington & District Hospitals	..	..	..	..	..	..
RWA	Castle Hill & Hull Hospitals	..	..	..	..	..	..
Gateshead and South Tyneside HA							
RR7	Queen Elizabeth Hospital, Gateshead	..	..	..	..	..	..
RE9	South Shields Maternity Hospital	22	30	32	8	11	8
Leeds HA							
RR801	Leeds General Infirmary	..	..	..	..	..	..
RR813	St James' University Hospital, Leeds	18	19	20	11	11	9
Newcastle and North Tyneside HA							
RTF04	Hexham General Hospital	..	..	24	..	..	9
RTF02	North Tyneside General Hospital	22	20	21	5	7	6
RTD	Royal Victoria Infirmary, Newcastle	..	..	19	..	..	8
North Cumbria HA							
RLG	City Maternity Hospital, Carlisle	24	24	22	8	10	8
RLF	Penrith Hospital	4	4	1	0	0	0
RE7	West Cumberland Hospital	29	29	33	10	8	8
Northumberland HA							
RTF01	Ashington Hospital	23	27	25	8	8	9
North Yorkshire HA							
RCA	Friarage Hospital, Northallerton	..	..	..	..	..	..
RCD	Harrogate General Hospital	24	21	23	9	9	11
RCC	Scarborough Hospital	..	..	..	..	..	..
RCB	York District Hospital	..	..	..	..	..	..
Sunderland HA							
RLN	Sunderland DGH	19	21	18	5	4	6
Tees HA							
RVW	Hartlepool & N Tees Hospitals	18	17	20	6	5	6
RCJ	South Cleveland Hospital	..	21	23	..	12	13
Wakefield HA							
RR4	Pinderfields & Pontefract Hospitals	24	25	25	7	5	6
<b>TRENT</b>							
Barnsley HA							
RFF	Barnsley DGH	22	23	24	14	13	12
Doncaster HA							
RAG	Doncaster Royal Infirmary	20	21	22	6	7	7
Leicestershire HA							
RWEAK	Leicestershire General Hospital	..	..	..	..	..	..
RWEAA	Leicester Royal Infirmary	23	24	26	10	12	13
RT5	St Mary's Hospital, Melton Mowbray	..	..	..	..	..	..
Lincolnshire HA							
RWD	United Lincolnshire Hospitals	20	25	26	5	9	9
North Derbyshire HA							
RFS	Chesterfield & N. Derbyshire Royal Hospital	21	22	22	5	6	7
North Nottinghamshire HA							
RCP	Bassetlaw DGH	17	18	17	7	9	8
RK5	King's Mill Hospital, Sutton in Ashfield	23	26	30	7	7	5
Nottingham HA							
RCS	Nottingham City Hospital	16	17	20	10	11	11
RFK	Nottingham University Hospital	..	..	..	..	..	..
Rotherham HA							
RFR	Rotherham DGH	20	23	20	6	7	8
Sheffield HA							
RCVFA	Jessop Hospital, Sheffield	22	21	23	8	9	9
RCVFN	Northern General Hospital, Sheffield	21	22	20	6	6	7
South Derbyshire HA							
RTG	Derby City General Hospital	..	..	..	..	..	..
South Humber HA							
RF6	Grimsby Maternity Hospital	..	..	..	..	..	..
RF7	Scunthorpe General Hospital	..	..	..	..	..	..

Table 34

Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01

percentages

Hospital	Surgical and/or drugs onset of labour			Caesarean onset of labour		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>10</b>	<b>10</b>
<b>EASTERN</b>						
Bedfordshire HA						
RC1	Bedford Hospital	..	..	..	..	..
RC9	Luton & Dunstable Hospital	15	17	16	7	7
Cambridgeshire HA						
RGT	Addenbrooke's Hospital	21	19	21	9	12
RQQ	Hinchingbrooke Hospital	21	23	21	10	9
RGN	Peterborough District Hospital	23	22	19	10	8
East and North Hertfordshire HA						
RWH	Queen Elizabeth II & Lister Hospitals	26	26	28	8	10
Norfolk HA						
RGP	James Paget Hospital, Gorleston	19	21	22	8	9
RM1	Norfolk and Norwich Hospital	24	24	24	10	10
RCX	Queen Elizabeth Hospital, Kings Lynn	19	20	19	19	20
North Essex HA						
RDE	Colchester Maternity Hospital	25	28	26	9	9
RQW	Princess Alexandra Hospital, Harlow	25	20	21	6	7
RQ8	St John's Hospital, Chelmsford	28	28	26	12	12
South Essex HA						
RDD	Basilidon Hospital	22	22	22	7	7
RAJ	Rochford General Hospital	29	29	26	7	7
Suffolk HA						
RGQ	Ipswich Hospital	21	19	21	8	10
RGR	West Suffolk Hospital	23	20	21	10	10
West Hertfordshire HA						
RWG08	Hemel Hempstead General Hospital	..	..	..	..	..
RWG02	Watford General Hospital	23	25	12	10	10
<b>LONDON</b>						
Barking and Havering HA						
RG7	Harold Wood Hospital	23	21	20	9	9
Barnet HA						
RVL00	Barnet General Hospital	19	18	17	7	8
Bexley and Greenwich HA						
RG2	Queen Elizabeth Hospital, Greenwich	..	..	19	..	..
RGZ	Queen Mary's Hospital, Sidcup	..	..	..	..	..
Brent and Harrow HA						
RV8XX	Central Middlesex Hospital	..	..	..	..	..
RV800	Northwick Park Hospital	5	..	..	6	..
Bromley HA						
RG3	Farnborough Hospital, Bromley	..	..	..	..	..
Camden and Islington HA						
RAL	Royal Free Hospital, Hampstead	20	21	19	12	12
RRV	University College Hospital	18	19	20	9	9
RKE	Whittington Hospital	19	19	21	6	6
Croydon HA						
RJ6	Mayday Hospital, Croydon	14	13	11	10	9
Ealing, Hammersmith and Hounslow HA						
RC3	Ealing Hospital	..	..	..	..	..
RQN	Queen Charlotte's and Chelsea Hospital	..	23	23	..	16
RFW	West Middlesex Hospital	21	16	18	7	8
East London and The City HA						
RQX	Homerton Hospital	17	18	17	7	7
RNH	Newham Hospital	21	20	21	6	6
RNJ	Royal London Hospital	17	15	14	3	4
Enfield and Haringey HA						
RVLC7	Chase Farm Hospital, Enfield	20	20	20	8	8
RAP	North Middlesex Hospital	16	15	14	6	7
Hillingdon HA						
RAS	Hillingdon Hospital	13	..	8	11	..
Kensington, Chelsea and Westminster HA						
RQM	Chelsea and Westminster Hospital	27	..	..	14	..
RJ5	St Mary's Hospital, Paddington	..	..	..	..	..
Kingston and Richmond HA						
RAX	Kingston Hospital	20	17	16	13	14
Lambeth, Lewisham and Southwark HA						
RJ1	Guy's and St Thomas' Hospitals	..	..	..	..	..
RJZ	King's College Hospital	..	..	..	..	..
RJ2	University Hospital, Lewisham	..	..	..	..	..
Merton, Sutton and Wandsworth HA						
RVR	Epsom & St Helier Hospitals	15	..	..	7	..
RJ7	St George's Hospital, Tooting	21	20	18	14	15
Redbridge and Waltham Forest HA						
RG4	King George Hospital, Newbury Park	25	24	25	7	6
RDF	Whipps Cross Hospital	17	17	15	8	9

Table 34 Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01

Hospital	percentages					
	Surgical and/or drugs onset of labour			Caesarean onset of labour		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>10</b>	<b>10</b>
<b>SOUTH EAST</b>						
Berkshire HA						
RD7	Heatherwood & Wexham Hospitals	..	..	..	..	..
RHW	Royal Berkshire Hospital, Reading	22	20	23	..	..
Buckinghamshire HA						
RD8	Milton Keynes General Hospital	26	32	..	7	3
RNT	Stoke Mandeville Hospital	22	23	21	8	9
RH2	Wycombe General Hospital	25	25	21	8	9
East Kent HA						
RVVKC	Kent & Canterbury Hospital	..	..	..	..	..
RVV09	Queen Elizabeth The Queen Mother Hospital	..	..	..	..	..
RRV01	William Harvey Hospital, Ashford	..	..	..	..	..
East Surrey HA						
RTP	East Surrey & Crawley Hospitals	15	16	19	14	15
East Sussex HA						
RDM	Buchanan Hospital, St Leonards on Sea	23	20	24	8	9
RDL	Eastbourne DGH	..	..	..	..	..
RGU	Royal Sussex County Hospital, Brighton	..	..	..	..	..
Isle of Wight HA						
RR2	St Mary's Hospital, Isle of Wight	17	19	19	11	12
North and Mid Hampshire HA						
RN5	North Hampshire Hospital, Basingstoke	20	18	19	6	10
RN1	Royal Hampshire County Hospital, Winchester	16	18	13	13	11
Northamptonshire HA						
RNQ	Kettering General Hospital	23	26	24	9	9
RNS	Northampton General Hospital	25	21	20	9	10
Oxfordshire HA						
RTH05	Horton Maternity Hospital	21	22	22	6	8
RTH00	John Radcliffe Hospital, Oxford	24	23	24	9	9
Portsmouth and South East Hampshire HA						
RHU	St Mary's Hospital, Portsmouth	26	24	24	8	9
Southampton and South West Hampshire HA						
RHS	Hythe, Lymington & Romsey Hospitals	..	..	..	..	..
RHM	Princess Anne Hospital, Southampton	20	19	20	8	8
West Kent HA						
RPA	All Saints Hospital, Chatham	..	..	28	..	..
RN7	Gravesend & North Kent Hospital	..	21	24	9	..
RWF02	Maidstone Hospital	..	..	..	..	..
RWF01	Pembury Hospital	20	19	19	13	13
West Surrey HA						
RDU	Frimley Park Hospital	22	22	21	11	12
RA2	Royal Surrey County Hospital, Guildford	..	..	..	..	..
RTK	St Peter's Hospital, Chertsey	26	25	24	11	12
West Sussex HA						
RPS	Princess Royal Hospital, Haywards Heath	23	23	22	12	12
RPR	St Richard's Hospital, Chichester	..	..	..	..	..
RPL	Worthing Hospital	23	25	23	9	8
<b>SOUTH WEST</b>						
Avon HA						
RA7	St Michael's Hospital, Bristol	..	25	24	..	11
RVJ	Southmead Hospital	22	20	21	9	11
RA3	Weston General Hospital	..	..	..	..	..
Cornwall and Isles of Scilly HA						
RJ8	Penrice Hospital, St Austell	..	..	..	..	..
REF	Royal Cornwall Hospital, Truro	27	26	24	8	7
Dorset HA						
RD3	Poole Hospital	32	28	27	6	12
RDZ	Royal Bournemouth Hospital	2	4	1	..	..
RBD	West Dorset General Hospital	..	31	28	..	17
Gloucestershire HA						
RH6	Gloucester Maternity Hospital	20	24	22	10	9
RA5	St Paul's Hospital, Cheltenham	22	22	23	10	11
RH7	Stroud Maternity Hospital	..	..	..	..	..
North and East Devon HA						
REA	Honiton & Tiverton Hospitals	0	3	0	5	0
RBZ	North Devon District Hospital, Barnstaple	25	19	20	10	11
RH8	Royal Devon & Exeter Hospital	6	25	22	17	12
Somerset HA						
RBA	Musgrove Park Hospital, Taunton	..	17	17	..	15
RA4	Yeovil District Hospital	..	..	..	..	..
South and West Devon HA						
RK9	Derriford Hospital, Plymouth	..	..	..	..	..
RA9	Torbay Hospital	..	..	..	..	..
Wiltshire HA						
RN3	Princess Margaret Hospital, Swindon	28	29	37	11	12
RNZ	Salisbury District Hospital	..	..	..	..	..
RVQ	Royal United, Bath	..	..	..	..	..

Table 34

Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01

percentages

Hospital	Surgical and/or drugs onset of labour			Caesarean onset of labour		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>10</b>	<b>10</b>
<b>WEST MIDLANDS</b>						
Birmingham HA and Solihull HA	..	..	..	..	..	..
RR1 Birmingham Heartlands and Solihull Mat Hospitals	17	17	18	10	11	5
RLU Birmingham Women's Hospital	19	19	19	12	13	13
RLW City Hospital, Birmingham	..	..	..	..	..	..
RJH Good Hope Hospital, Sutton Coldfield	25	24	23	12	11	13
Coventry HA	..	..	..	..	..	..
RKB Coventry Maternity Hospital	..	21	..	..	12	..
Dudley HA	..	..	..	..	..	..
RNA Wordsley Hospital	28	28	27	12	12	13
Herefordshire HA	..	..	..	..	..	..
RLQ Hereford County Hospital	24	22	..	12	11	..
North Staffordshire HA	..	..	..	..	..	..
RJE North Staffordshire Hospital, Stoke on Trent	..	..	..	..	..	..
Sandwell HA	..	..	..	..	..	..
RNE Sandwell DGH	..	..	17	11	13	6
Shropshire HA	..	..	..	..	..	..
RLZ23 Bridgnorth Hospital	..	..	..	..	..	..
RLZ22 Ludlow Hospital	..	..	2	..	..	..
RLZ32 Robert Jones & Agnes Hunt Hospital, Oswestry	..	..	1	..	..	..
RLZ51 Royal Shrewsbury Hospital	22	32	28	4	2	4
RLZ12 Wrekin Hospital, Wellington	..	..	..	..	..	..
South Staffordshire HA	..	..	..	..	..	..
RJF Burton upon Trent Hospital	27	25	23	9	10	11
RJD Stafford DGH	22	26	27	8	8	10
RNG Victoria Hospital, Lichfield	11	9	8	..	..	..
Walsall HA	..	..	..	..	..	..
RBK Manor Hospital, Walsall	25	21	22	12	11	11
Warwickshire HA	..	..	..	..	..	..
RLT Nuneaton Maternity Hospital	18	21	22	10	10	10
RJC Warwick Hospital	24	24	19	10	10	11
Wolverhampton HA	..	..	..	..	..	..
RL4 New Cross Hospital, Wolverhampton	18	10	..	11	11	..
Worcestershire HA	..	..	..	..	..	..
RWP01 Alexandra Hospital, Redditch	25	0	24	11	0	10
RWP31 Kidderminster General Hospital	2	0	1	3	1	6
RWP52 Worcester Royal Infirmary	21	0	22	14	0	14
<b>NORTH WEST</b>						
Bury and Rochdale HA	..	..	..	..	..	..
REZ Birch Hill Hospital, Rochdale	24	21	20	12	13	13
RMN Fairfield General Hospital, Bury	36	37	45	7	8	9
East Lancashire HA	..	..	..	..	..	..
REU Burnley General Hospital	18	17	18	8	8	8
RMB Queen's Park Hospital, Blackburn	28	26	27	9	9	9
Liverpool HA	..	..	..	..	..	..
REP Liverpool Maternity Hospital	..	..	..	..	..	..
Manchester HA	..	..	..	..	..	..
RBU St Mary's Hospital, Manchester	16	18	17	14	15	17
RM2 Withington & Wythenshawe Hospitals	22	25	23	10	11	10
RMK North Manchester General Hospital	17	17	22	8	8	9
Morecambe Bay HA	..	..	..	..	..	..
RTX Morecambe Bay Hospitals	24	27	26	10	10	11
North Cheshire HA	..	..	..	..	..	..
RKC Warrington Hospital	..	..	..	..	..	..
North West Lancashire HA	..	..	..	..	..	..
RMF Sharoe Green Hospital, Fulwood	20	20	18	13	14	14
RMR Victoria Hospital, Blackpool	28	26	26	11	10	11
St Helens and Knowsley HA	..	..	..	..	..	..
RBN Whiston Hospital	21	21	22	10	12	12
Salford and Trafford HA	..	..	..	..	..	..
RM3 Hope Hospital, Salford	26	24	21	11	10	10
RM4 Trafford General Hospital	35	32	25	8	10	13
Sefton HA	..	..	..	..	..	..
REM Fazakerley Hospital	..	24	22	..	12	13
South Cheshire HA	..	..	..	..	..	..
RJR Countess of Chester Hospital	18	17	..	7	6	..
RBT Leighton Hospital, Crewe	..	..	..	..	..	..
RJN Macclesfield DGH	21	21	20	8	10	13
South Lancashire HA	..	..	..	..	..	..
RJU Chorley & District Hospital	..	..	..	..	..	..
RVY Ormskirk & Southport Hospitals	17	14	15	9	7	7
Stockport HA	..	..	..	..	..	..
RWJ Stepping Hill Hospital, Stockport	..	22	18	..	9	10
West Pennine HA	..	..	..	..	..	..
REX Royal Oldham Hospital	24	23	24	12	13	11
RMP Tameside General Hospital	22	21	18	4	5	7
Wigan and Bolton HA	..	..	..	..	..	..
RMC Bolton General Hospital	26	25	24	6	8	8
RJY Billinge Hospital, Wigan	21	20	25	8	10	9
Wirral HA	..	..	..	..	..	..

Table 34 Deliveries with induced or caesarean onset of labour, by hospital, 1998-99 to 2000-01

Hospital		percentages					
		Surgical and/or drugs onset of labour			Caesarean onset of labour		
		1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>		<b>22</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>10</b>	<b>10</b>
RBL	Arrowe Park Hospital, Birkenhead	25	25	26	7	7	8



Table 35 Spontaneous and instrumental deliveries, by hospital, 1998-99 to 2000-01

Hospital	percentages								
	Spontaneous delivery			Instrumental delivery			ventouse as a percentage of all instrumental deliveries		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>69</b>	<b>68</b>	<b>67</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>65</b>	<b>66</b>	<b>65</b>
<b>EASTERN</b>									
<i>Bedfordshire HA</i>									
RC1 Bedford Hospital	..	..	..	..	..	..	..	..	..
RC9 Luton & Dunstable Hospital	70	68	68	11	11	11	41	58	65
<i>Cambridgeshire HA</i>									
RGT Addenbrooke's Hospital	65	58	57	11	16	16	55	54	55
RQQ Hinchingsbrooke Hospital	69	70	69	8	9	9	33	48	50
RGN Peterborough District Hospital	65	67	65	13	13	14	67	62	62
<i>East and North Hertfordshire HA</i>									
RWH Queen Elizabeth II & Lister Hospitals	66	63	63	14	12	13	81	72	78
<i>Norfolk HA</i>									
RGP James Paget Hospital, Gorleston	69	70	70	12	12	10	77	67	64
RM1 Norfolk and Norwich Hospital	65	66	64	15	14	13	79	74	73
RCX Queen Elizabeth Hospital, Kings Lynn	66	64	63	9	10	9	70	79	78
<i>North Essex HA</i>									
RDE Colchester Maternity Hospital	72	71	67	10	10	11	68	77	78
RQW Princess Alexandra Hospital, Harlow	69	65	67	10	11	8	65	74	81
RQ8 St John's Hospital, Chelmsford	65	67	64	10	8	9	67	67	54
<i>South Essex HA</i>									
RDD Basildon Hospital	68	69	68	13	13	12	62	68	69
RAJ Rochford General Hospital	71	69	66	9	9	9	45	34	56
<i>Suffolk HA</i>									
RGQ Ipswich Hospital	71	70	66	12	11	11	57	61	77
RGR West Suffolk Hospital	67	67	66	10	9	9	51	65	74
<i>West Hertfordshire HA</i>									
RWG08 Hemel Hempstead General Hospital	73	72	..	13	15	..	80	71	..
RWG02 Watford General Hospital	64	60	..	14	18	..	63	78	..
<b>LONDON</b>									
<i>Barking and Havering HA</i>									
RG7 Harold Wood Hospital	69	68	70	11	10	12	73	74	73
<i>Barnet HA</i>									
RVL00 Barnet General Hospital	68	65	67	11	13	12	63	79	73
<i>Bexley and Greenwich HA</i>									
RG2 Queen Elizabeth Hospital, Greenwich	..	..	..	..	..	..	..	..	..
RGZ Queen Mary's Hospital, Sidcup	..	..	..	..	..	..	..	..	..
<i>Brent and Harrow HA</i>									
RV8XX Central Middlesex Hospital	..	..	..	..	..	..	..	..	..
RV800 Northwick Park Hospital	..	..	75	..	..	16	..	..	81
<i>Bromley HA</i>									
RG3 Farnborough Hospital	..	..	..	..	..	..	..	..	..
<i>Camden and Islington HA</i>									
RAL Royal Free Hospital, Hampstead	62	61	57	10	11	14	78	74	75
RRV University College Hospital	61	58	59	15	15	15	72	75	75
RKE Whittington Hospital	65	62	59	13	15	16	63	62	61
<i>Croydon HA</i>									
RJ6 Mayday Hospital, Croydon	66	70	67	10	10	12	71	79	83
<i>Ealing, Hammersmith and Hounslow HA</i>									
RC3 Ealing Hospital	..	..	..	..	..	..	..	..	..
RQN Queen Charlotte's and Chelsea Hospital	67	59	58	33	14	14	57	66	70
RFW West Middlesex Hospital	68	67	69	13	14	13	78	69	70
<i>East London and The City HA</i>									
RQX Homerton Hospital	66	65	64	11	13	10	62	60	62
RNH Newham Hospital	76	74	73	7	6	5	51	63	70
RNJ Royal London Hospital	72	72	70	11	10	10	73	71	60
<i>Enfield and Haringey HA</i>									
RVLC7 Chase Farm Hospital, Enfield	62	62	63	16	15	13	76	80	73
RAP North Middlesex Hospital	74	72	75	6	7	5	73	76	71
<i>Hillingdon HA</i>									
RAS Hillingdon Hospital	69	68	70	11	10	9	69	73	69
<i>Kensington, Chelsea and Westminster HA</i>									
RQM Chelsea and Westminster Hospital	..	..	..	..	..	..	..	..	..
RJ5 St Mary's Hospital, Paddington	..	..	..	..	..	..	..	..	..
<i>Kingston and Richmond HA</i>									
RAX Kingston Hospital	57	58	57	18	15	17	70	65	65
<i>Lambeth, Lewisham and Southwark HA</i>									
RJ1 Guy's and St Thomas' Hospitals	..	..	..	..	..	..	..	..	..
RJZ King's College Hospital	..	..	..	..	..	..	..	..	..
RJ2 University Hospital Lewisham	..	..	..	..	..	..	..	..	..
<i>Merton, Sutton and Wandsworth HA</i>									
RVR Epsom & St Helier Hospitals	65	58	..	17	15	..	65	62	..
RJ7 St George's Hospital, Tooting	62	59	59	14	14	17	68	66	66
<i>Redbridge and Waltham Forest HA</i>									
RG4 King George Hospital, Newbury Park	75	71	69	10	11	11	68	73	75
RDF Whipps Cross Hospital	63	62	65	12	10	8	72	75	74





Table 35 Spontaneous and instrumental deliveries, by hospital, 1998-99 to 2000-01

Hospital	percentages								
	Spontaneous delivery			Instrumental delivery			ventouse as a percentage of all instrumental deliveries		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>69</b>	<b>68</b>	<b>67</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>65</b>	<b>66</b>	<b>65</b>
<b>WEST MIDLANDS</b>									
<i>Birmingham HA and Solihull HA</i>									
RR1 Birmingham Heartlands & Solihull Mat. Hospitals	71	67	65	10	11	7	54	65	58
RLU Birmingham Women's Hospital	67	65	64	10	9	10	50	56	58
RLW City Hospital, Birmingham	62	69	72	6	9	7	77	64	68
RJH Good Hope Hospital, Sutton Coldfield	69	67	66	9	10	11	62	80	74
<i>Coventry HA</i>									
RKB Coventry Maternity Hospital	..	64	..	..	12	..	..	64	..
<i>Dudley HA</i>									
RNA Wordsley Hospital	73	71	70	7	8	8	71	53	53
<i>Herefordshire HA</i>									
RLQ Hereford County Hospital	72	71	..	9	9	..	90	85	..
<i>North Staffordshire HA</i>									
RJE North Staffordshire Hospital, Stoke on Trent	..	..	..	..	..	..	..	..	..
<i>Sandwell HA</i>									
RNE Sandwell DGH	73	69	..	7	7	..	46	65	..
<i>Shropshire HA</i>									
RLZ23 Bridgnorth Hospital	100	..	91	0	..	0	..	..	..
RLZ22 Ludlow Hospital	99	..	87	1	..	1	0	..	0
RLZ32 Robert Jones & Agnes Hunt Hospital, Oswestry	100	..	88	0	..	1	..	..	100
RLZ51 Royal Shrewsbury Hospital	78	..	76	10	..	12	79	..	63
RLZ12 Wrekin Hospital, Wellington	100	..	88	0	..	0	..	..	0
<i>South Staffordshire HA</i>									
RJF Burton upon Trent Hospital	66	65	63	12	11	12	75	77	75
RJD Stafford DGH	74	73	74	9	9	8	69	71	73
RNG Victoria Hospital, Lichfield	99	98	97	0	0	0	0		
<i>Walsall HA</i>									
RBK Manor Hospital, Walsall	68	69	..	10	10	..	74	76	..
<i>Warwickshire HA</i>									
RLT Nuneaton Maternity Hospital	74	71	72	6	6	6	60	47	64
RJC Warwick Hospital	66	64	63	12	12	12	54	59	55
<i>Wolverhampton HA</i>									
RL4 New Cross Hospital, Wolverhampton	61	61	64	11	13	15	77	68	64
<i>Worcestershire HA</i>									
RWP01 Alexandra Hospital, Redditch	61	..	61	12	..	12	56	..	41
RWP31 Kidderminster General Hospital	86	91	85	4	3	3	30	15	50
RWP52 Worcester Royal Infirmary	60	..	58	13	..	10	52	..	58
<b>NORTH WEST</b>									
<i>Bury and Rochdale HA</i>									
REZ Birch Hill Hospital, Rochdale	73	69	72	8	10	6	87	77	85
RMN Fairfield General Hospital, Bury	73	72	72	9	9	9	69	73	79
<i>East Lancashire HA</i>									
REU Burnley General Hospital	75	76	73	8	9	9	67	59	70
RMB Queen's Park Hospital, Blackburn	75	76	75	10	8	7	80	82	83
<i>Liverpool HA</i>									
REP Liverpool Maternity Hospital	..	..	..	..	..	..	..	..	..
<i>Manchester HA</i>									
RBU St Mary's Hospital, Manchester	73	70	69	9	12	11	72	63	59
RM2 Withington & Wythenshawe Hospitals	65	61	63	13	13	14	72	79	72
RMK North Manchester General Hospital	79	76	77	7	7	7	69	64	82
<i>Morecambe Bay HA</i>									
RTX Morecambe Bay Hospitals	76	72	69	8	..	9	55	71	63
<i>North Cheshire HA</i>									
RKC Warrington Hospital									
<i>North West Lancashire HA</i>									
RMF Sharoe Green Hospital, Fulwood	69	67	70	9	10	8	53	40	68
RMR Victoria Hospital, Blackpool	73	72	69	8	7	9	69	58	55
<i>St Helens and Knowsley HA</i>									
RBN Whiston Hospital	72	69	70	9	10	8	84	74	76
<i>Salford and Trafford HA</i>									
RM3 Hope Hospital, Salford	71	69	70	8	9	9	69	62	76
RM4 Trafford General Hospital	72	67	62	11	11	11	95	78	76
<i>Sefton HA</i>									
REM Fazakerley Hospital	..	71	68	..	8	8	..	68	71
<i>South Cheshire HA</i>									
RJR Countess of Chester Hospital	75	76	..	9	6	..	63	88	..
RBT Leighton Hospital, Crewe									
RJN Macclesfield DGH	66	69	69	15	12	11	70	74	84
<i>South Lancashire HA</i>									
RJU Chorley and District Hospital	100	99	100	..	..	..	..	..	..
RVY Ormskirk & Southport Hospitals	71	76	75	12	..	8	72	71	69
<i>Stockport HA</i>									
RWJ Stepping Hill Hospital, Stockport	..	67	66	..	13	11	..	54	64
<i>West Pennine HA</i>									
REX Royal Oldham Hospital	73	72	73	9	9	9	81	82	87
RMP Tameside General Hospital	81	79	77	7	6	7	71	76	92
<i>Wigan and Bolton HA</i>									
RMC Bolton General Hospital	79	76	72	6	10	11	71	58	62
RJY Billinge Hospital, Wigan	74	72	70	8	8	11	71	71	65
<i>Wirral HA</i>									

Table 35 Spontaneous and instrumental deliveries, by hospital, 1998-99 to 2000-01

Hospital		percentages								
		Spontaneous delivery			Instrumental delivery			ventouse as a percentage of all instrumental deliveries		
		1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>		<b>69</b>	<b>68</b>	<b>67</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>65</b>	<b>66</b>	<b>65</b>
RBL	Arrowe Park Hospital, Birkenhead	78	75	73	6	7	8	..	..	..

Table 36 Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01

percentages

Hospital	Emergency caesarean delivery			Total caesarean delivery (in maternity total)			Total caesarean delivery (procedure coded - see para 1.4)		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
	11	12	13	19	21	21	20	21	21
<b>England</b>									
<b>NORTHERN AND YORKSHIRE</b>									
<i>Bradford HA</i>									
RCF Airedale General Hospital	9	10	13	18	20	23	17	19	23
RAE Bradford Royal Infirmary, Maternity Unit	..	..	..	..	..	..	19	19	19
<i>Calderdale and Kirklees HA</i>									
RMW Dewsbury District Hospital	..	10	11	..	17	17	18	17	17
RGA Halifax General Hospital	..	12	12	..	21	22	18	21	22
RGB Huddersfield Royal Infirmary	10	12	11	17	18	19	18	19	18
<i>County Durham HA</i>									
RTA Bishop Auckland & Darlington Hospitals	10	11	12	18	18	20	18	18	20
RR9 Dryburn and Shotley Bridge Hospitals	8	9	9	16	16	18	16	16	18
<i>East Riding HA</i>									
RV9 Bridlington and District Hospital	..	..	..	..	..	..	..	..	..
RWA Castle Hill Hospital & Hull Maternity Hospitals	..	..	..	..	..	..	19	20	..
<i>Gateshead and South Tyneside HA</i>									
RR7 Queen Elizabeth Hospital, Gateshead	12	12	14	25	25	28	25	26	27
RE9 South Shields Maternity Hospital	9	11	13	17	23	21	18	23	22
<i>Leeds HA</i>									
RR801 Leeds General Infirmary	..	..	..	..	..	..	22	21	21
RR813 St James's University Hospital, Leeds	6	6	6	19	19	16	19	19	15
<i>Newcastle and North Tyneside HA</i>									
RTF04 Hexham General Hospital	..	..	8	..	..	17	14	21	18
RTF02 North Tyneside General Hospital	8	9	11	12	16	18	12	16	18
RTD Royal Victoria Infirmary, Newcastle	10	..	12	16	..	19	16	17	19
<i>North Cumbria HA</i>									
RLG City Maternity Hospital, Carlisle	7	9	11	15	18	19	16	18	19
RLF Penrith Hospital	0	0	0	0	0	0	0	0	0
RE7 West Cumberland Hospital	10	8	11	20	16	20	20	16	20
<i>Northumberland HA</i>									
RTF01 Ashington Hospital	12	13	12	20	21	21	20	21	21
<i>North Yorkshire HA</i>									
RCA Friarage Hospital, Northallerton	..	..	..	..	..	..	21	17	16
RCD Harrogate General Hospital	13	15	17	23	24	28	23	24	28
RCC Scarborough Hospital	..	..	..	..	..	..	15	18	18
RCB York District Hospital	..	..	..	..	..	..	22	22	20
<i>Sunderland HA</i>									
RLN Sunderland DGH	..	..	..	..	..	..	14	14	16
<i>Tees HA</i>									
RVW Hartlepool General & N Tees Hospitals	7	10	12	13	17	17	15	17	19
RCJ South Cleveland Hospital	..	12	13	..	21	22	22	21	22
<i>Wakefield HA</i>									
RR4 Pinderfields & Pontefract Hospitals	6	6	7	13	12	14	17	17	16
<b>TRENT</b>									
<i>Barnsley HA</i>									
RFF Barnsley DGH	..	..	..	..	..	..	22	20	21
<i>Doncaster HA</i>									
RAG Doncaster Royal Infirmary	11	12	12	17	18	19	17	18	19
<i>Leicestershire HA</i>									
RWEAK Leicestershire General Hospital	..	..	..	..	..	..	18	18	21
RWEAA Leicester Royal Infirmary	11	13	12	19	21	20	19	21	21
RT5 St Mary's Hospital, Melton Mowbray	11	11	9	18	18	18	19	20	20
<i>Lincolnshire HA</i>									
RWD United Lincolnshire Hospitals	..	14	13	..	23	19	17	22	21
<i>North Derbyshire HA</i>									
RFS Chesterfield & N. Derbyshire Royal Hospital	10	..	13	15	..	19	16	19	19
<i>North Nottinghamshire HA</i>									
RCP Bassetlaw DGH	11	14	..	18	22	..	18	22	24
RK5 King's Mill Hospital, Sutton in Ashfield	9	8	9	16	15	15	16	15	15
<i>Nottingham HA</i>									
RCS Nottingham City Hospital	11	14	13	20	23	22	20	23	22
RFK Nottingham University Hospital	..	..	13	..	..	27	21	26	27
<i>Rotherham HA</i>									
RFR Rotherham DGH	11	12	11	18	18	18	19	18	18
<i>Sheffield HA</i>									
RCVFA Jessop Wing, Sheffield	13	13	14	21	22	22	21	22	23
RCVFN Northern General Hospital, Sheffield	13	12	10	18	18	18	19	19	18
<i>South Derbyshire HA</i>									
RTG Derby City General Hospital	..	11	12	..	20	19	..	..	21
<i>South Humber HA</i>									
RF6 Grimsby Maternity Hospital	..	..	..	..	..	..	21	21	18
RF7 Scunthorpe General Hospital	..	..	..	..	..	..	19	19	18

Table 36 Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01

percentages

Hospital	Emergency caesarean delivery			Total caesarean delivery (in maternity tail)			Total caesarean delivery (procedure coded - see para 1.4)		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>19</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>21</b>
<b>EASTERN</b>									
<i>Bedfordshire HA</i>									
RC1 Bedford Hospital	..	..	..	..	..	..	16	..	..
RC9 Luton & Dunstable Hospital	13	14	14	19	20	21	23	22	22
<i>Cambridgeshire HA</i>									
RGT Addenbrooke's Hospital	13	16	17	21	26	26	23	25	24
RQQ Hinchingsbrooke Hospital	14	12	11	23	21	22	24	23	25
RGN Peterborough District Hospital	15	13	14	22	20	21	22	20	21
<i>East and North Hertfordshire HA</i>									
RWH Queen Elizabeth II & Lister Hospitals	11	14	13	19	24	21	19	22	22
<i>Norfolk HA</i>									
RGP James Paget Hospital, Gorleston	10	9	11	19	18	20	19	18	20
RM1 Norfolk and Norwich Hospital	12	11	13	21	20	23	21	21	23
RXC Queen Elizabeth Hospital, Kings Lynn	..	..	12	..	..	19	15	20	19
<i>North Essex HA</i>									
RDE Colchester Maternity Hospital	9	10	11	18	20	22	19	19	21
RQW Princess Alexandra Hospital, Harlow	13	13	15	20	22	25	21	23	26
RQ8 St John's Hospital, Chelmsford	14	15	14	25	25	27	25	25	27
<i>South Essex HA</i>									
RDD Basildon Hospital	12	11	11	20	18	19	20	18	19
RAJ Rochford General Hospital	11	13	16	19	22	24	20	22	25
<i>Suffolk HA</i>									
RGQ Ipswich Hospital	10	11	13	16	20	23	16	20	23
RGR West Suffolk Hospital	14	14	14	23	23	25	23	23	25
<i>West Hertfordshire HA</i>									
RWG08 Hemel Hempstead General Hospital	8	8	..	13	13	..	19	19	25
RWG02 Watford General Hospital	11	10	11	20	20	19	22	21	20
<b>LONDON</b>									
<i>Barking and Havering HA</i>									
RG7 Harold Wood Hospital	12	10	11	20	19	18	20	20	18
<i>Barnet HA</i>									
RVL00 Barnet General Hospital	11	12	12	18	20	20	23	22	21
<i>Bexley and Greenwich HA</i>									
RG2 Queen Elizabeth Hospital, Greenwich	..	..	..	..	..	..	21	21	20
RGZ Queen Marys Hospital, Sidcup	..	..	..	..	..	..	..	27	28
<i>Brent and Harrow HA</i>									
RV8XX Central Middlesex Hospital	..	..	..	..	..	..	19	..	24
RV800 Northwick Park Hospital	..	..	..	..	..	..	21	22	25
<i>Bromley HA</i>									
RG3 Farnborough Hospital, Bromley	..	..	..	..	..	..	..	..	..
<i>Camden and Islington HA</i>									
RAL Royal Free Hospital, Hampstead	14	15	14	28	28	28	28	28	27
RRV University College Hospital	15	16	14	25	27	26	25	25	29
RKE Whittington Hospital	15	16	17	22	23	25	22	24	25
<i>Croydon HA</i>									
RJ6 Mayday Hospital, Croydon	13	11	12	23	20	21	23	20	21
<i>Ealing, Hammersmith and Hounslow HA</i>									
RC3 Ealing Hospital	..	..	..	..	..	..	23	26	26
RQN Queen Charlotte's and Chelsea Hospital	..	14	15	..	26	27	..	27	27
RFW West Middlesex Hospital	14	13	11	19	19	18	19	19	18
<i>East London and The City HA</i>									
RQX Homerton Hospital	15	14	18	22	21	25	22	22	24
RNH Newham Hospital	11	13	14	17	19	21	17	19	21
RNJ Royal London Hospital	13	13	14	16	17	19	17	18	19
<i>Enfield and Haringey HA</i>									
RVLC7 Chase Farm Hospital, Enfield	13	15	15	21	22	24	21	23	23
RAP North Middlesex Hospital	12	13	12	20	21	19	20	21	19
<i>Hillingdon HA</i>									
RAS Hillingdon Hospital	12	13	12	20	20	20	21	20	20
<i>Kensington, Chelsea and Westminster HA</i>									
RQM Chelsea and Westminster Hospital	..	..	..	..	..	..	..	..	25
RJ5 St Mary's Hospital, Paddington	..	..	..	..	..	..	27	30	30
<i>Kingston and Richmond HA</i>									
RAX Kingston Hospital	14	15	15	24	26	26	25	27	26
<i>Lambeth, Lewisham and Southwark HA</i>									
RJ1 Guy's and St Thomas' Hospitals	..	..	..	..	..	..	23	24	25
RJZ King's College Hospital	..	..	..	..	..	..	26	24	25
RJ2 University Hospital, Lewisham	..	..	..	..	..	..	25	25	27
<i>Merton, Sutton and Wandsworth HA</i>									
RVR Epsom & St Helier Hospitals	13	16	..	17	28	..	20	21	21
RJ7 St George's Hospital, Tooting	19	16	15	23	25	23	24	25	23
<i>Redbridge and Waltham Forest HA</i>									
RG4 King George Hospital, Newbury Park	8	12	14	15	18	21	18	19	21
RDF Whipps Cross Hospital	16	15	14	26	25	24	25	25	23

Table 36 Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01

percentages

Hospital	Emergency caesarean delivery			Total caesarean delivery (in maternity tail)			Total caesarean delivery (procedure coded - see para 1.4)			
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	
<b>England</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>19</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>21</b>	
<b>SOUTH EAST</b>										
<i>Berkshire HA</i>										
RD7	Heatherwood & Wexham Park Hospitals	..	..	17	..	..	27	22	24	25
RHW	Royal Berkshire Hospital, Reading	..	..	16	..	..	26	20	22	26
<i>Buckinghamshire HA</i>										
RD8	Milton Keynes General Hospital	9	18	..	17	21	..	20	18	21
RNT	Stoke Mandeville Hospital	13	13	12	20	20	20	20	20	20
RH2	Wycombe General Hospital	10	12	11	17	20	19	17	20	19
<i>East Kent HA</i>										
RVVKC	Kent & Canterbury Hospital	..	..	..	..	..	..	17	27	29
RVV09	Queen Elizabeth The Queen Mother Hospital	..	..	..	..	..	..	15	18	19
RRV01	William Harvey Hospital, Ashford	..	..	..	..	..	..	23	17	18
<i>East Surrey HA</i>										
RTP	East Surrey & Crawley Hospitals	13	14	15	24	25	27	25	25	26
<i>East Sussex HA</i>										
RDM	Buchanan Hospital, St Leonards on Sea	12	14	15	20	22	23	22	22	23
RDL	Eastbourne DGH	..	..	..	..	..	..	21	22	22
RGU	Royal Sussex County Hospital, Brighton	..	..	..	..	..	..	24	27	27
<i>Isle of Wight HA</i>										
RR2	St Mary's Hospital, Isle of Wight	11	10	13	19	18	21	20	19	21
<i>North and Mid Hampshire HA</i>										
RN5	North Hampshire Hospital, Basingstoke	14	13	14	22	22	24	21	22	24
RN1	Royal Hampshire County Hospital, Winchester	8	10	11	19	19	23	20	19	22
<i>Northamptonshire HA</i>										
RNQ	Kettering General Hospital	10	11	12	18	20	21	18	20	21
RNS	Northampton General Hospital	14	14	18	22	22	26	22	23	26
<i>Oxfordshire HA</i>										
RTH05	Horton Maternity Hospital	9	14	11	15	22	21	15	22	21
RTH00	John Radcliffe Hospital, Oxford	8	9	10	18	18	21	18	18	19
<i>Portsmouth and South East Hampshire HA</i>										
RHU	St Mary's Hospital, Portsmouth	..	..	..	..	..	..	..	..	..
<i>Southampton and South West Hampshire HA</i>										
RHS	Hythe, Lymington & Romsey Hospitals	0	0	0	0	0	0	0	0	0
RHM	Princess Anne Hospital, Southampton	12	11	12	19	19	19	21	23	23
<i>West Kent HA</i>										
RPA	All Saints Hospital, Chatham	..	..	15	..	..	27	23	25	26
RN7	Gravesend & North Kent Hospital	14	15	15	23	20	19	23	25	25
RWF02	Maidstone Hospital	..	..	..	..	..	..	24	25	25
RWF01	Pembury Hospital	12	13	14	22	23	24	25	27	24
<i>West Surrey HA</i>										
RDU	Frimley Park Hospital	10	10	11	21	22	23	21	22	24
RA2	Royal Surrey County Hospital, Guildford	..	..	..	..	..	..	20	20	22
RTK	St Peter's Hospital, Chertsey	12	14	18	21	23	27	21	23	27
<i>West Sussex HA</i>										
RPS	Princess Royal Hospital, Haywards Heath	12	14	15	22	24	25	22	24	26
RPR	St Richard's Hospital, Chichester	..	..	..	..	..	..	22	23	25
RPL	Worthing Hospital	12	13	11	20	20	21	20	22	21
<b>SOUTH WEST</b>										
<i>Avon HA</i>										
RA7	St Michael's Hospital, Bristol	..	12	12	..	21	22	21	21	21
RVJ	Southmead Hospital	10	11	11	17	19	21	18	20	22
RA3	Weston General Hospital	..	..	..	..	..	..	..	..	..
<i>Cornwall and Isles of Scilly HA</i>										
RJ8	Penrice Hospital, St Austell	..	..	..	..	..	..	..	..	..
REF	Royal Cornwall Hospital, Truro	7	8	8	14	14	15	14	15	16
<i>Dorset HA</i>										
RD3	Poole Hospital	13	15	15	18	24	27	22	23	25
RDZ	Royal Bournemouth Hospital	0	1	1	0	1	2	0	1	2
RBD	West Dorset General Hospital	..	12	12	..	25	29	21	24	26
<i>Gloucestershire HA</i>										
RH6	Gloucester Maternity Hospital	11	11	12	19	19	21	18	19	20
RA5	St Paul's Hospital, Cheltenham	12	14	13	20	22	21	20	21	22
RH7	Stroud Maternity Hospital	0	0	0	0	0	0	0	0	0
<i>North and East Devon HA</i>										
REA	Honiton & Tiverton Hospitals	3	2	0	8	2	0	8	2	0
RBZ	North Devon District Hospital, Barnstaple	10	10	8	19	20	18	23	25	21
RH8	Royal Devon & Exeter Hospital	14	13	12	28	23	23	19	23	24
<i>Somerset HA</i>										
RBA	Musgrove Park Hospital, Taunton	..	..	..	..	..	..	19	25	26
RA4	Yeovil District Hospital	..	..	..	..	..	..	16	19	17
<i>South and West Devon HA</i>										
RK9	Derriford Hospital, Plymouth	..	..	..	..	..	..	14	14	15
RA9	Torbay Hospital	..	..	..	..	..	..	19	22	24
<i>Wiltshire HA</i>										
RN3	Princess Margaret Hospital, Swindon	14	16	16	25	28	28	23	25	25
RNZ	Salisbury District Hospital	..	..	..	..	..	..	25	25	21
RVQ	Bath United, Bath	..	..	..	..	..	..	19	23	20

Table 36 Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01

Hospital	percentages								
	Emergency caesarean delivery			Total caesarean delivery (in maternity total)			Total caesarean delivery (procedure coded - see para 1.4)		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>19</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>21</b>
<b>WEST MIDLANDS</b>									
<i>Birmingham HA and Solihull HA</i>									
RR1 Birmingham Heartlands & Solihull Mat.Hosp	10	12	21	19	22	28	19	22	22
RLU Birmingham Women's Hospital	13	16	16	23	26	26	23	26	27
RLW City Hospital, Birmingham	10	14	13	16	21	20	23	22	19
RJH Good Hope Hospital, Sutton Coldfield	10	12	11	22	23	23	22	23	23
<i>Coventry HA</i>									
RKB Coventry Maternity Hospital	..	16	..	..	25	..	22	25	25
<i>Dudley HA</i>									
RNA Wordsley Hospital	9	9	10	20	21	23	21	21	22
<i>Herefordshire HA</i>									
RLQ Hereford County Hospital	7	9	..	19	20	..	19	21	19
<i>North Staffordshire HA</i>									
RJE North Staffordshire Hospital, Stoke on Trent	..	..	..	..	..	..	19	24	24
<i>Sandwell HA</i>									
RNE Sandwell DGH	10	11	..	21	23	..	21	24	25
<i>Shropshire HA</i>									
RLZZ3 Bridgnorth Hospital	0	0	0	0	0	0	1	1	1
RLZ22 Ludlow Hospital	0	0	1	0	0	1	1	1	1
RLZ32 Robert Jones & Agnes Hunt Hospital, Oswestry	0	0	0	0	0	0	0	2	1
RLZ51 Royal Shrewsbury Hospital	8	..	8	12	..	11	11	12	10
RLZ12 Wrekin Hospital, Wellington	0	0	0	0	0	0	1	2	2
<i>South Staffordshire HA</i>									
RJF Burton upon Trent Hospital	13	14	17	21	23	25	21	23	24
RJD Stafford DGH	9	8	8	16	17	18	17	17	18
RNG Victoria Hospital, Lichfield	0	0	0	0	0	0	0	0	0
<i>Walsall HA</i>									
RBK Manor Hospital, Walsall	10	10	..	22	21	..	22	21	23
<i>Warwickshire HA</i>									
RLT Nuneaton Maternity Hospital	10	12	12	20	22	21	20	22	21
RJC Warwick Hospital	12	14	14	21	24	25	21	24	25
<i>Wolverhampton HA</i>									
RL4 New Cross Hospital, Wolverhampton	16	15	11	27	26	21	23	28	22
<i>Worcestershire HA</i>									
RWP01 Alexandra Hospital, Redditch	16	..	16	27	..	26	23	..	26
RWP31 Kidderminster General Hospital	5	3	5	9	5	11	3	3	2
RWP52 Worcester Royal Infirmary	11	..	18	26	..	..	27	34	30
<b>NORTH WEST</b>									
<i>Bury and Rochdale HA</i>									
REZ Birch Hill Hospital, Rochdale	11	11	10	19	21	22	19	21	22
RMN Fairfield General Hospital, Bury	11	11	11	18	19	19	18	19	19
<i>East Lancashire HA</i>									
REU Burnley General Hospital	10	9	10	17	16	18	17	16	18
RMB Queen's Park Hospital, Blackburn	8	10	12	15	16	18	15	16	18
<i>Liverpool HA</i>									
REP Liverpool Maternity Hospital	..	..	..	17	..	..	19	19	22
<i>Manchester HA</i>									
RBU St Mary's Hospital, Manchester	10	10	11	18	17	19	17	17	18
RM2 Withington & Wythenshawe Hospitals	12	16	14	22	27	24	22	26	24
RMK North Manchester General Hospital	8	10	10	14	16	17	14	17	17
<i>Morecambe Bay HA</i>									
RTX Morecambe Bay Hospitals	8	13	11	16	21	21	17	20	21
<i>North Cheshire HA</i>									
RKC Warrington Hospital	..	..	..	..	..	..	20	23	23
<i>North West Lancashire HA</i>									
RMF Sharoe Green Hospital, Fulwood	12	13	11	21	23	21	22	23	21
RMR Victoria Hospital, Blackpool	10	11	10	19	19	19	19	21	20
<i>St Helens and Knowsley HA</i>									
RBN Whiston Hospital	11	13	13	18	21	22	18	21	23
<i>Salford and Trafford HA</i>									
RM3 Hope Hospital, Salford	10	12	11	21	22	21	21	22	21
RM4 Trafford General Hospital	8	14	16	16	22	26	16	22	26
<i>Sefton HA</i>									
REM Fazakerley Hospital	..	10	13	..	21	24	22	21	24
<i>South Cheshire HA</i>									
RJR Countess of Chester Hospital	9	12	..	16	18	..	17	17	18
RBT Leighton Hospital, Crewe	..	..	..	16	..	..	17	18	20
RJN Macclesfield DGH	8	11	10	14	18	20	19	19	20
<i>South Lancashire HA</i>									
RJU Chorley and District Hospital	0	0	0	0	0	0	0	0	0
RVY Ormskirk & Southport Hospitals	9	8	10	17	16	17	18	18	18
<i>Stockport HA</i>									
RWJ Stepping Hill Hospital, Stockport	..	14	15	..	21	23	21	20	22
<i>West Pennine HA</i>									
REX Royal Oldham Hospital	10	10	10	18	19	18	18	19	18
RMP Tameside General Hospital	9	11	12	12	15	16	12	15	16
<i>Wigan and Bolton HA</i>									

Table 36 Emergency and total caesarean deliveries, by hospital, 1998-99 to 2000-01

percentages

Hospital	percentages								
	Emergency caesarean delivery			Total caesarean delivery (in maternity tail)			Total caesarean delivery (procedure coded - see para 1.4)		
	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01	1998-99	1999-00	2000-01
<b>England</b>				<b>19</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>21</b>
RMC Bolton General Hospital	11	12	13	15	14	17	16	14	17
RJY Billinge Hospital, Wigan	10	8	11	17	20	19	17	20	19
<i>Wirral HA</i>									
RBL Arrowe Park Hospital, Birkenhead	9	10	11	16	18	19	15	17	16