

## **CYPRUS PUBLIC MATERNITY UNITS**

### **PERINATAL HEALTH INDICATORS**

### **FOR THE YEARS 2007-2013**

**HEALTH MONITORING UNIT**

**July 2015**

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## Presentation of Indicators and Glossary\*<sup>1</sup>

**Total births:** A **birth** is defined as the start of life when a child emerges from the body of its mother. The **total number of births** includes both live births and stillbirths in a given year or period of time. A **live birth** is the birth of a child who showed any sign of life; the number of live births refers to the number of births excluding stillbirths. **Stillbirth** means foetal death, namely death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy. Death is indicated by the fact that after such separation from its mother the foetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. (Eurostat Regulation)

**Distribution of parity:** is defined as the number of previous live or stillbirths (0, 1, 2, or 3+ births) of women delivering a live or stillbirth. (Euro-Peristat Indicator Definitions, C9)

**Distribution of mother's educational level:** is the distribution of education level of women delivering live or stillborn babies, expressed as highest level of education of the mother. Data is collected using most detailed educational groupings in national systems and recoded by Euro-Peristat using the international standard classification of education (ISCED - UNESCO, 1997): Primary not complete or none, Primary complete, Lower secondary (up to 3 or 4 years), (Upper) secondary (up to 6 or 7 years), Post secondary non tertiary (6 months to 2 years), First stage of tertiary education (Bachelor), Second stage of tertiary education (Master, doctorate or more), Unknown educational level. (Euro-Peristat Indicator Definitions, R9)

**Percentage of women who smoked during pregnancy<sup>2</sup>:** Is the number of women who smoke during the third trimester of pregnancy expressed as a proportion of all women delivering live or stillborn babies. When data are not available for the third trimester of pregnancy, data are requested for another time point during pregnancy. (Euro-Peristat Indicator Definitions, R8)

**Psychoprophylaxis:** a method of preparing women for childbirth without anesthetic, by means of education, psychological and physical conditioning, and breathing exercises, also called Lamaz technique.

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<sup>1</sup> All definitions and the glossary are from the sources below:

(1) EUROSTAT (<http://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Birth>)

(2) COMMISSION REGULATION (EU) No 328/2011 – EUROSTAT ( <http://eur-lex.europa.eu/legal-content/en/TXT/HTML/?uri=CELEX:32011R0328&rid=1>)

(3) EURO-PERISTAT (<http://www.europeristat.com/our-indicators/indicators-of-perinatal-health.html>)

<sup>2</sup> In this report, we present the number of women who smoke during the total duration of pregnancy expressed as a proportion of all women delivering live or stillborn babies.

**Distribution of timing of first antenatal visit:** distribution of timing of first antenatal visit regardless of provider by trimester of pregnancy for all women delivering live or stillborn babies. Trimesters are defined as follows (by completed weeks of gestation): 1st trimester = < 15 weeks, 2nd trimester = 15 – 27 weeks 3rd trimester = 28 weeks or more. (Euro-Peristat Indicator Definitions, R14)

**Mode of fertility treatment<sup>3</sup>:** is the number of women delivering live or stillborn babies after the following fertility treatments divided by the total number of women delivering live or stillborn babies: Induction of Ovulation only, IntraUterine Insemination (IUI) with or without OI, InVitro Fertilisation (IVF), IntraCytoplasmatic Sperm Injection (ICSI), InVitro Maturation (IVM); including frozen embryo transfers, Unknown treatment. (Euro-Peristat Indicator Definitions, R13)

**Mode of onset of labour:** Is the number of deliveries associated with each of the following modes of labour onset, as a proportion of deliveries resulting in a live or stillbirth: Spontaneous onset, caesarean section prior to the onset of labour, labour induction (initiation of uterine contractions) by medical or surgical means prior to the onset of labour. (Euro-Peristat Indicator Definitions, R15)

**Mode of delivery:** for a population of women and year: the number of births associated with each of the following modes: Vaginal non instrumental, Vaginal forceps, Vaginal ventouse, Vaginal (other, Thierry's spatula, etc.), Caesarean before or at onset of labour/elective, Caesarean during labour/emergency, as a proportion of all still and live births. (Euro-Peristat Indicator Definitions, C10)

**Gestational age:** is the number of live births and fetal deaths at each completed week of gestation (starting from 22 weeks) expressed as a proportion of all live and stillbirths for singletons and multiples. Gestational age is defined as the best obstetrical estimate. This distribution is presented, as follows: 22-36 weeks of gestation (preterm births), 37-41 weeks (term births), 41+ weeks (post-term births). Preterm births can also be presented as: 22-27 weeks (extremely preterm), 28-31 weeks (very preterm), 32-36 weeks (moderately preterm). (Euro-Peristat Indicator Definitions, C10)

**Distribution of birth weight:** is the number of births within each 500g weight interval expressed as a proportion of all live and stillbirths calculated by gestational age and vital status at birth for singletons and multiples. (Euro-Peristat Indicator Definitions, C4)

**Episiotomy:** is the number of women who had an episiotomy expressed as a proportion of all women who had a vaginal delivery. Presented for all vaginal

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<sup>3</sup> In this report we present only the following categories: InVitro Fertilisation (IVF), IntraUterine Insemination (IUI), Ovulation Induction (IntraCytoplasmatic Sperm Injection (ICSI) and InVitro Maturation (IVM); including frozen embryo transfers are not presented).



deliveries and then for non-instrumental and instrumental separately. (Euro-Peristat Indicator Definitions, R18)

**Incidence of tears to the perineum:** is the number of women who had a first-, second-, third-, or fourth-degree tear of the perineum expressed as a proportion of all women who had a vaginal delivery. Presented for all vaginal deliveries and then for non-instrumental and instrumental separately. Categories as follows (ICD10): 1st degree tear (ICD O70.0) involves the fourchette, perineal skin and vaginal membrane, 2nd degree tear (ICD O70.1) includes the skin and mucous membrane, and the fascia and muscles of the perineal body, 3rd degree tear (ICD O70.2) extends through skin, mucous membrane and perineal body and involves the muscle of the anal sphincter, 4th degree tear (ICD O70.3) extends through the rectal mucosa to expose the lumen of the rectum. . (Euro-Peristat Indicator Definitions, R7)

**Breast feeding during the first 48 hours after birth:** is the number of babies who are partially breastfed (infant receives breast milk and the infant is allowed any food or liquid including non-human milk) and the number who are exclusively breastfed (infant receives breast milk and is allowed to receive drops and syrups) throughout the first 48 hrs of age as a proportion of all newborn babies. (Definitions from WHO Indicators for Assessing Breastfeeding Practices. Report from meeting 11-12 June 1991. Geneva, 1991.). (Euro-Peristat Indicator Definitions, R17)

**Apgar Score:** is the distribution of APGAR score at 1 minute or at 5 minutes (0-10) for live births. (Euro-Peristat Indicator Definitions, R2)

**Fetal mortality rate<sup>4</sup>:** is the number of fetal deaths at or after 22 completed weeks of gestation in a given year per 1000 live and stillbirths in the same year calculated by gestational age, birth weight and plurality. Fetal deaths are differentiated by whether they are spontaneous fetal deaths or result from a termination of pregnancy. (Euro-Peristat Indicator Definitions, C1)

**Neonatal mortality rate:** is the number of neonatal deaths (day 0 through 27) after live birth in a given year per 1000 live births in the same year calculated by gestational age, birth weight and plurality. This rate is presented for all births at or after 22 completed weeks of gestation. This rate is sub-divided by timing of death into early neonatal deaths (0-6 days of life) and late neonatal deaths (7-27 days). (Euro-Peristat Indicator Definitions, C2)

**Infant mortality rate:** is defined as the number of infant deaths (days 0-364) after live birth at or after 22 completed weeks of gestation in a given year, expressed per 1000 live births that same year. (Euro-Peristat Indicator Definitions, C3)

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<sup>4</sup> In this report we do not present whether fetal deaths are spontaneous or result from a termination of pregnancy.

## About this Report

This report presents Perinatal Health Indicators on the characteristics of childbearing women, the care of women and babies during pregnancy, and, babies' health, for the period 2007-2013. Data for live births and stillbirths were collected by the midwifery staff of the maternity units of all public hospitals in Cyprus. They were entered into an electronic database and analysed by the Health Monitoring Unit of the Ministry of Health.

Most of the indicators presented in this report are according to the definitions of the European Perinatal Health Report 2010 of the Europeristat ([www.europeristat.com](http://www.europeristat.com))

The reason that the number of births in this report differ from those published by the Statistical Service is the difference in the data source of each department, MOH and Statistical Service.

## Summary Results

- Births in Public Sector as a percentage of total births in Cyprus have increased over the period 2007-2012, but they have fallen by 0.7% in year 2013 (table and graph 1).
- The absolute number of live births in Public Hospitals has risen steadily during the period 2007-2012, but it has fallen in year 2013 (table 2 and graph 2a).
- The number of twin births per 1000 women has increased by 5.3% in 2013, while the number of triplets has decreased by 2.4% (table and graph 3).
- The percentage of women with 2<sup>nd</sup> or higher order birth was higher than the one of women having their 1<sup>st</sup> child, for all years (table and graph 4).
- In year 2013, the percentage of women with age 35 or more that deliver triplets was higher, 50%, than the corresponding one for 2012, 33.3%. evenmore, in both years 2012 and 2013, the percentage of women with age 35 or more that deliver triplets was higher, than the one for twins or singles (table and graph 6b).

- From the year 2009 till 2012 the percentage of women from EU and other countries delivering babies in Cyprus Public Hospitals, has exceeded the corresponding percentage of Cypriot women. However, in 2013 this percentage has fallen and it was even less than the one of Cypriot women (table and graph 7b).
- The percentage of women who smoked during pregnancy shows an increase from 8.8% in 2007 to 14.3% in 2013 (table and graph 8).
- Most women begin antenatal care during the 1<sup>st</sup> trimester, with an average percentage during the years of about 60%. However, care begins in the 2<sup>nd</sup> or 3<sup>rd</sup> trimester for about 19% and 17%, respectively, of all women. The percentage of women with no antenatal care at all was about 3% (table and graph 13).
- On average, for the period 2007-2013, 2.3% of women giving birth in the Public Sector became pregnant after some form of assisted reproductive technique, with 1.9% in the vitro fertilization (IVF) (table and graph 14a). Pregnancies following fertility treatment are more likely to result in multiple pregnancies, in low birth weight pregnancies or in preterm births (tables and graphs 14b, 14c, 14d).
- There was a steady increase in the rate of caesarean sections in the Public Sector from 34.1% in 2007 to 45.4% in 2013 (table and graph 16a). Caesarean sections have much higher percentages in the case of twins and triplets than in the case of single babies (table and graph 16c). Among preterm births the percentage of caesareans was higher than among vaginal deliveries (table and graph 16d). In the Private Sector the percentage of caesareans from year 2012 to 2013, had a small increase, around 4%. On average, the percentage of caesareans is high for all periods, around 59% (table and graph 16e). Regarding the total births of all Cyprus the percentage of caesareans was also steady for all periods, around 53% (table and graph 16f). Regarding caesarean sections, the percentage of those occurred in the Private Sector was higher of the ones occurred in the Public Sector for all years, (68% and 32% respectively for the year 2013) (table and graph 16g).<sup>5</sup>
- On average, for the years 2007-2013, more than 50% of preterm live births (<37 weeks of gestation) admitted to neonatal intensive care unit (NICU) (table and graph 19b).
- On average, for the years 2007-2013, more than 90% of babies received some breast milk during the first 48 hours after birth. The rate of exclusive

<sup>5</sup> Cyprus according to the data of European Perinatal Health Report 2010 had the highest overall caesarean rate, at 52.2%, followed by Italy with 38%. [http://www.europeristat.com/images/doc/EPHR2010\\_w\\_disclaimer.pdf](http://www.europeristat.com/images/doc/EPHR2010_w_disclaimer.pdf)

breastfeeding in 2013 was 27.7% and the rate of mixed breastfeeding in the corresponding year 64.2%. The variance in the rates during the period 2007-2013 may be due to higher precision in data entry. The rate of not breastfed births has remained rather steady around 8.5% (table and graph 20a).

- The fetal death rate of pregnancies with gestational age less than 32 weeks has increased from 54% in 2007 to 75% in 2012 and to 74% in 2013 (table and graph 23a).

Twins and triplets are more likely to be born as preterms (less than 37 weeks) with percentages of 100% and 82%, respectively, for the year 2012, and 100% and 88%, respectively, for the year 2013 (table and graph 23b).

- The fetal death rate with birthweight under 1500 grams increased from 62% in 2007 to 79% in 2013 (table and graph 24a).

Twins and triplets are more likely to be born underweight (under 2500 grams) with percentages of 100% and 78%, respectively, for the year 2012 and 100% and 81%, respectively, for the year 2013 (table and graph 24b).

- The rates of birthweight and gestational age for total births, have positive correlation, the more the less the gestational age the less the birthweight (table and graph 25).
- Apgar at 5 minutes with scores less than 7, for live births for the period 2007-2013, kept a low percentage of about 1.2% (table and graph 26).
- Fetal mortality rate at or after 22 completed weeks of gestation per 1000 live births and stillbirths for the year 2011 is 3.5, for the year 2012 is 4.1, and for the year 2013 is 4.5.

Infant mortality rate per 1000 live births has increased from 2.7 in 2011 to 3.4 in 2012, and decreased again in 2013 to 1.6 (table and graph 27).

## Live births and stillbirths

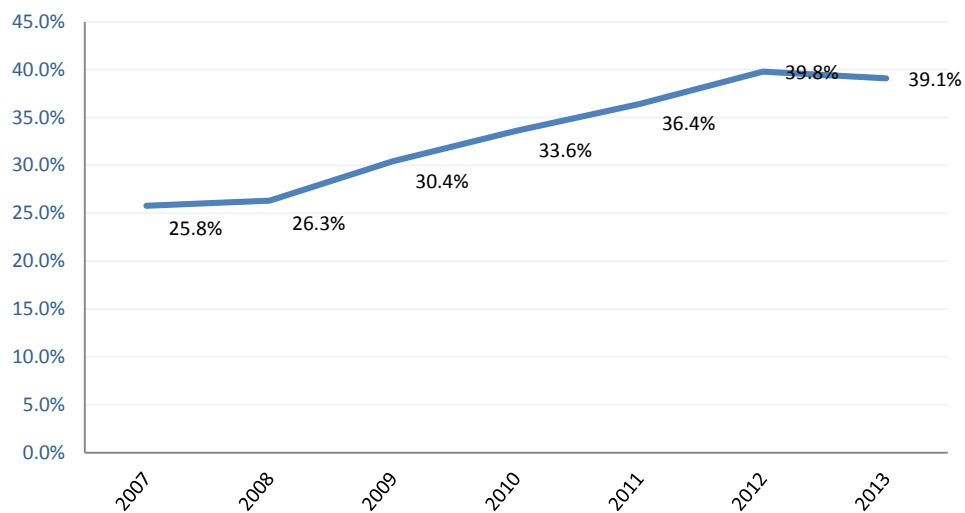
**Table 1: Live births in the public and private sectors, 2007-2013**

Year	2007	2008	2009	2010	2011	2012	2013
<b>Public Sector Live Births (HMU)</b>	2210	2423	2922	3293	3504	4044	3650
<b>Total Cyprus Live Births*</b>	8575	9205	9608	9801	9622	10161	9341

Year	2007	2008	2009	2010	2011	2012	2013
<b>Public Sector Live Births</b>	25,8%	26,3%	30,4%	33,6%	36,4%	39,8%	39,1%

\* Source: Demographic Report 2013, Statistical Service of Cyprus

**Graph 1: Live births in the public sector as a percentage of live births in Cyprus, 2007-2013**



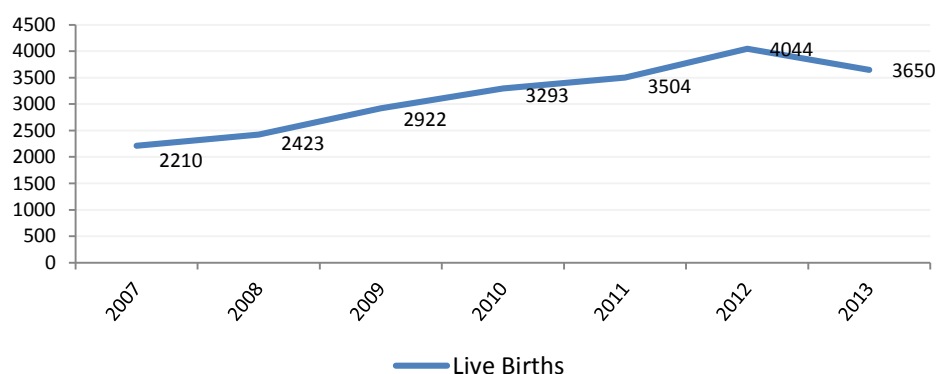
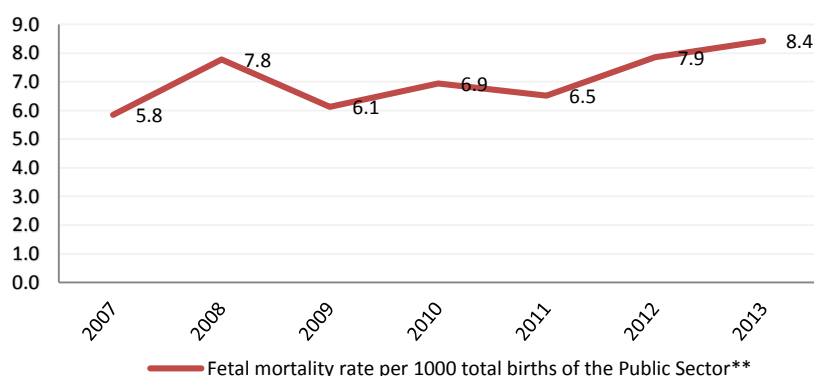
**Table 2: Summary table of births\_Public Maternity Units 2007-2013**

Year	2007	2008	2009	2010	2011	2012	2013	2007-2013
Live Births	2210	2423	2922	3293	3504	4044	3650	22046
Stillbirths*	13	19	18	23	23	32	31	159
Total Births	2223	2442	2940	3316	3527	4076	3681	22205
Total Women	2144	2377	2846	3216	3440	3950	3564	21537

Year	2007	2008	2009	2010	2011	2012	2013	2007-2013
Live Births	99,4%	99,2%	99,4%	99,3%	99,3%	99,2%	99,2%	99,3%
Stillbirths	0,6%	0,8%	0,6%	0,7%	0,7%	0,8%	0,8%	0,7%
Total Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
<b>Fetal mortality rate per 1000 total births of the Public Sector**</b>	<b>5,8</b>	<b>7,8</b>	<b>6,1</b>	<b>6,9</b>	<b>6,5</b>	<b>7,9</b>	<b>8,4</b>	<b>7,2</b>

\*"Stillbirths" means the number of fetal deaths at or after 22 completed weeks of gestation in a given year

\*\*Mortality rates for total Cyprus are presented in table 26

**Graph 2a: Number of live births\_Public Maternity Units 2007-2013**

**Graph 2b: Fetal mortality rate per 1000 total births\_Public Maternity Units 2007-2013**


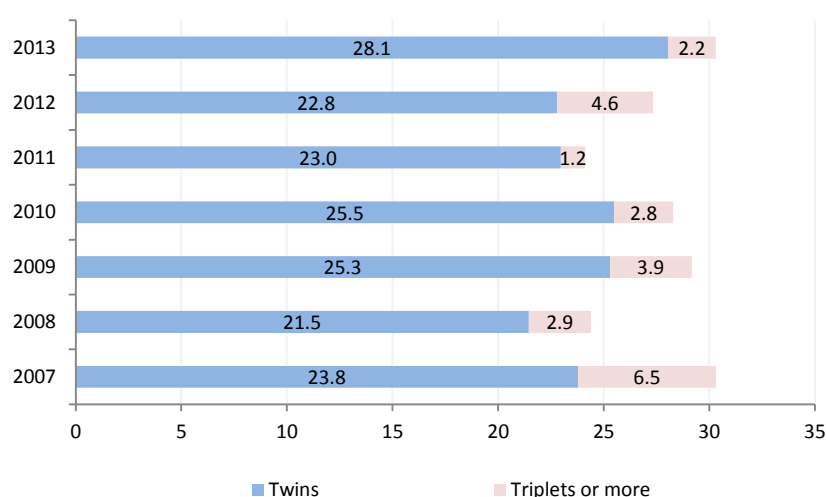
## Characteristics of childbearing women

**Table 3: Multiple births per 1000 women with live or stillbirths, by number of fetuses\_ Public Maternity Units 2007-2013**

Plurality	2007	2008	2009	2010	2011	2012	2013	2007-2013
Singles	2079	2319	2763	3125	3357	3842	3456	20941
Twins	51	51	72	82	79	90	100	525
Triplets or more	14	7	11	9	4	18	8	71
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Plurality	2007	2008	2009	2010	2011	2012	2013	2007-2013
Singles	969,7	975,6	970,8	971,7	975,9	972,7	969,7	972,3
Twins	23,8	21,5	25,3	25,5	23,0	22,8	28,1	24,4
Triplets or more	6,5	2,9	3,9	2,8	1,2	4,6	2,2	3,3
<b>Total Women</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>

**Graph 3: Multiple births per 1000 women with live or stillbirths, by number of fetuses\_ Public Maternity Units 2007-2013**

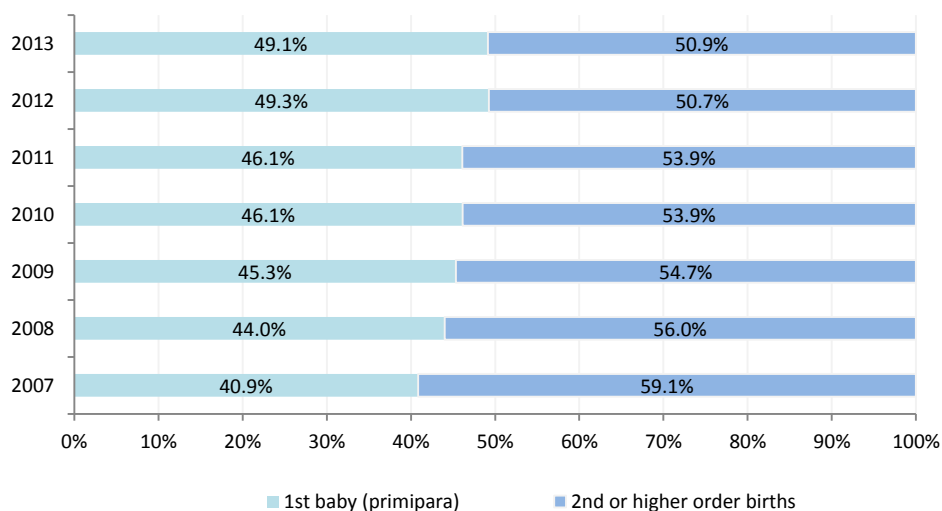


**Table 4: Distribution of parity for women delivering live or stillbirths\_ Public Maternity Units 2007-2013**

Parity	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>1st baby (primipara)</b>	876	1044	1289	1483	1585	1946	1751	9974
<b>2nd or 3rd birth</b>	1073	1125	1337	1501	1588	1735	1593	9952
<b>4th or higher order births</b>	195	204	217	231	266	269	220	1602
<b>Not stated</b>	0	4	3	1	1	0	0	9
<b>Total Women</b>	2144	2377	2846	3216	3440	3950	3564	21537

Parity	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>1st baby (primipara)</b>	40,9%	44,0%	45,3%	46,1%	46,1%	49,3%	49,1%	46,3%
<b>2nd or higher order births</b>	59,1%	56,0%	54,7%	53,9%	53,9%	50,7%	50,9%	53,7%
<b>Total Women*</b>	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 4: Percentage of distribution of parity for women delivering live or stillbirths\_ Public Maternity Units 2007-2013**




**Table 5: Distribution of mother's education\_ Public Maternity Units 2007-2013**

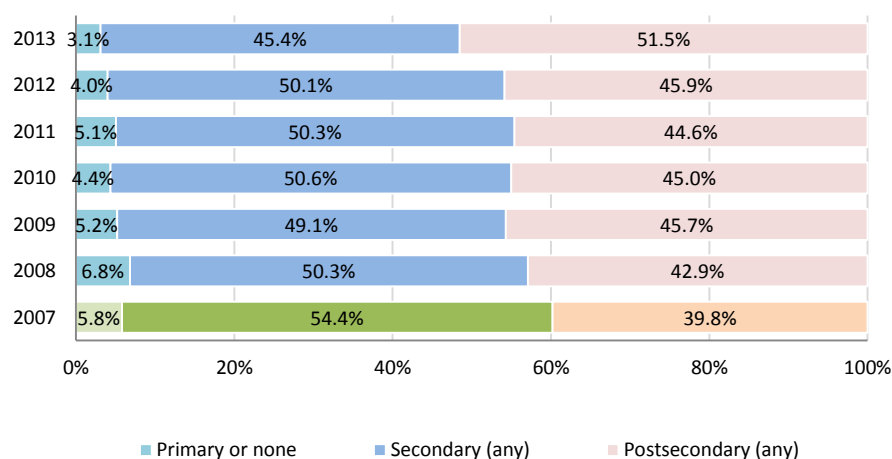
Education*	2007	2008	2009	2010	2011	2012	2013	2007-2013
Primary or none	124	162	148	140	174	158	111	1017
Secondary (any)	1162	1192	1396	1627	1730	1980	1617	10704
Postsecondary (any)	850	1018	1299	1447	1534	1811	1835	9794
Not stated	8	5	3	2	2	1	1	22
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Education	2007	2008	2009	2010	2011	2012	2013	2007-2013
Primary or none	5,8%	6,8%	5,2%	4,4%	5,1%	4,0%	3,1%	4,7%
Secondary (any)	54,4%	50,3%	49,1%	50,6%	50,3%	50,1%	45,4%	49,8%
Postsecondary (any)	39,8%	42,9%	45,7%	45,0%	44,6%	45,9%	51,5%	45,5%
<b>Total Women**</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

"Primary or none" concerns pre-primary or none and primary education. "Secondary (any)" concerns lower and upper secondary education.

"Post secondary (any)" concerns postsecondary non-tertiary education, and the first and second stage of tertiary education.

\*\* "Not stated" cases are distributed in each category by a weighting factor

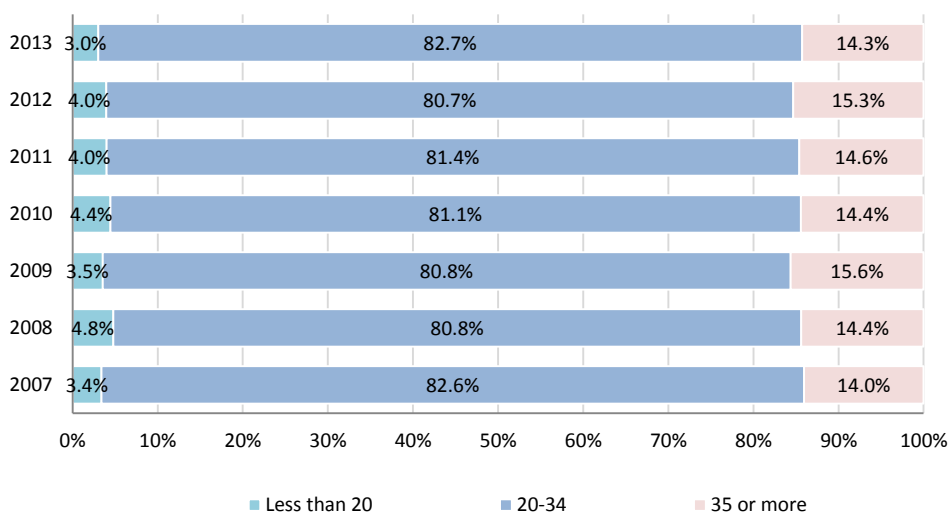
**Graph 5: Percentage of distribution of mother's education\_ Public Maternity Units 2007-2013**


**Table 6a: Age distribution of women delivering live or stillbirths\_ Public Maternity Units 2007-2013**

Age of Women	2007	2008	2009	2010	2011	2012	2013	2007-2013
Less than 20	73	114	101	143	137	157	108	833
20-34	1770	1921	2300	2608	2799	3188	2945	17531
35 or more	301	342	445	464	502	605	509	3168
Not stated	0	0	0	1	2	0	2	5
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Age of Women	2007	2008	2009	2010	2011	2012	2013	2007-2013
Less than 20	3,4%	4,8%	3,5%	4,4%	4,0%	4,0%	3,0%	3,9%
20-34	82,6%	80,8%	80,8%	81,1%	81,4%	80,7%	82,7%	81,4%
35 or more	14,0%	14,4%	15,6%	14,4%	14,6%	15,3%	14,3%	14,7%
<b>Total Women*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

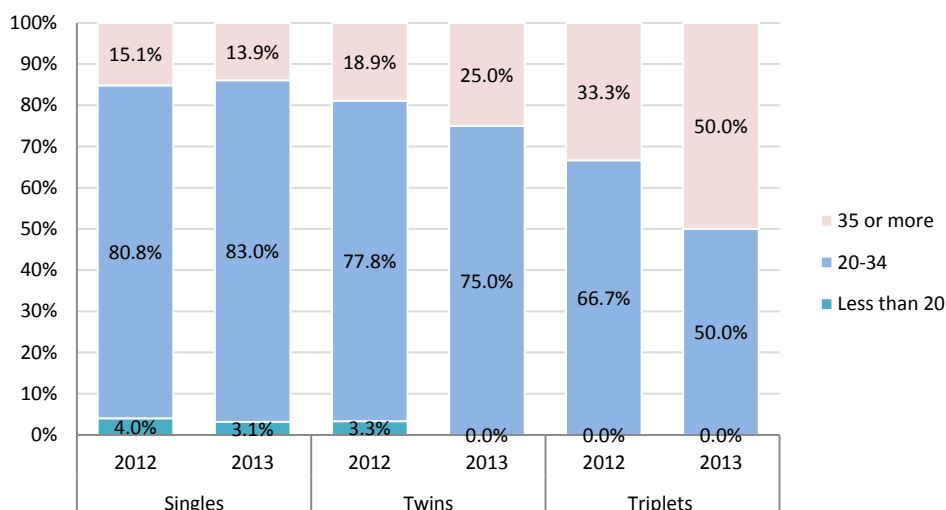
**Graph 6a: Percentage of age distribution of women delivering live or stillbirths\_ Public Maternity Units 2007-2013**


**Table 6b: Women by age and plurality\_ Public Maternity Units for the years 2012 and 2013**

Age of Women by plurality	Singles	Twins	Triplets or more	2012 & 2013
<b>Total Women*</b>	<b>7298</b>	<b>190</b>	<b>26</b>	<b>7514</b>
<b>2012</b>	<b>3842</b>	<b>90</b>	<b>18</b>	<b>3950</b>
Less than 20	154	3	0	157
20-34	3106	70	12	3188
35 or more	582	17	6	605
Not stated	0	0	0	0
<b>2013</b>	<b>3456</b>	<b>100</b>	<b>8</b>	<b>3564</b>
Less than 20	108	0	0	108
20-34	2866	75	4	2945
35 or more	480	25	4	509
Not stated	2	0	0	2

Age of Women by plurality	Singles	Twins	Triplets or more	2012 & 2013
<b>Total Women</b>				
<b>2012</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Less than 20	4,0%	3,3%	0,0%	4,0%
20-34	80,8%	77,8%	66,7%	80,7%
35 or more	15,1%	18,9%	33,3%	15,3%
<b>2013</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Less than 20	3,1%	0,0%	0,0%	3,0%
20-34	83,0%	75,0%	50,0%	82,7%
35 or more	13,9%	25,0%	50,0%	14,3%

\* "Not stated" cases are distributed in each category by a weighting factor

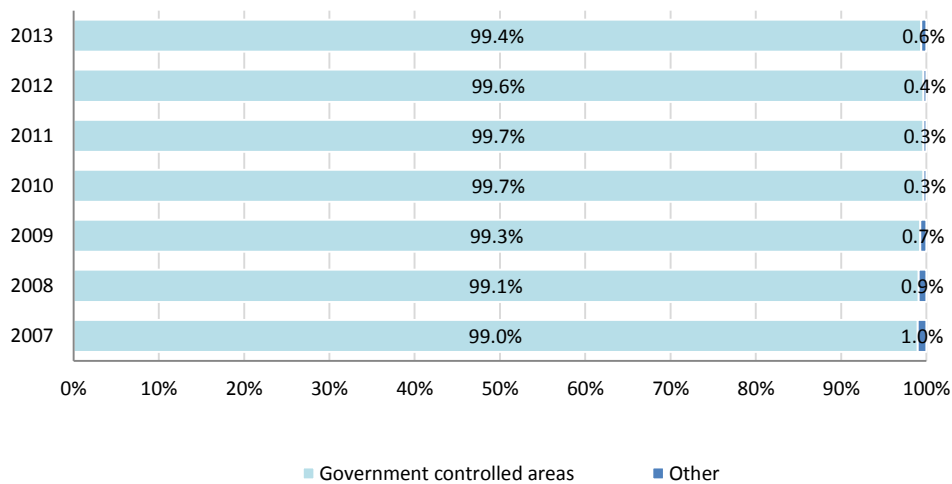
**Graph 6b: Percentage of women by age and plurality\_ Public Maternity Units for the years 2012 and 2013**


**Table 7a: Women by area of residence\_ Public Maternity Units 2007-2013**

Area of Residence	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Government controlled areas</b>	2122	2350	2825	3204	3428	3935	3541	21405
<b>Other</b>	22	22	21	11	12	14	22	124
<b>Not stated</b>	0	5	0	1	0	1	1	8
<b>Total Women</b>	2144	2377	2846	3216	3440	3950	3564	21537

Area of Residence	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Government controlled areas</b>	99,0%	99,1%	99,3%	99,7%	99,7%	99,6%	99,4%	99,4%
<b>Other</b>	1,0%	0,9%	0,7%	0,3%	0,3%	0,4%	0,6%	0,6%
<b>Total Women*</b>	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

\* "Not stated" cases are distributed in each category by a weighting factor

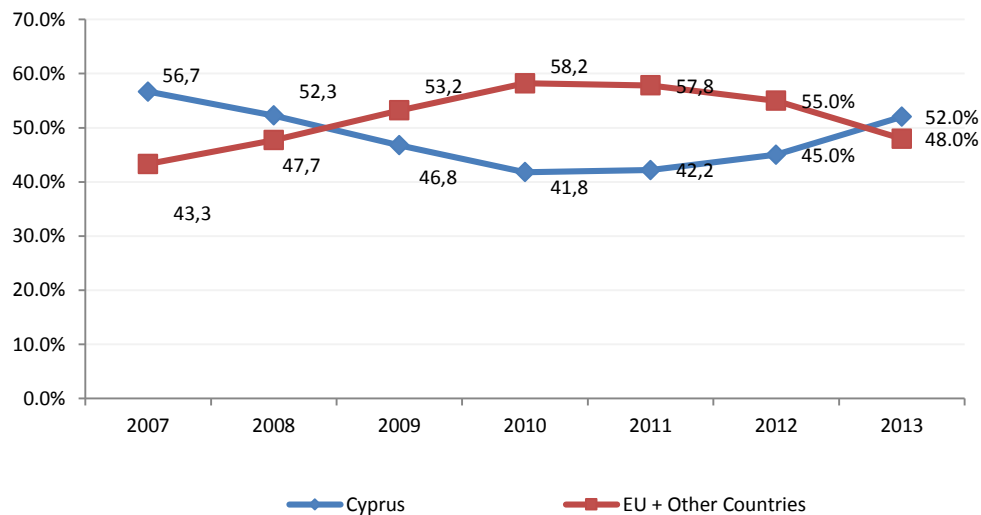
**Graph 7a: Percentage of women by area of residence\_ Public Maternity Units 2007-2013**


**Table 7b: Women by country of origin\_ Public Maternity Units 2007-2013**

Country of origin	2007	2008	2009	2010	2011	2012	2013	2007-2013
Cyprus	1213	1241	1330	1344	1451	1778	1853	10210
EU	272	438	678	893	1039	1248	937	5505
Other Countries	655	695	835	979	950	923	772	5809
Not stated	4	3	3	0	0	1	2	13
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Country of origin	2007	2008	2009	2010	2011	2012	2013	2007-2013
Cyprus	56,7%	52,3%	46,8%	41,8%	42,2%	45,0%	52,0%	47,4%
EU + Other Countries	43,3%	47,7%	53,2%	58,2%	57,8%	55,0%	48,0%	52,6%
<b>Total Women*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

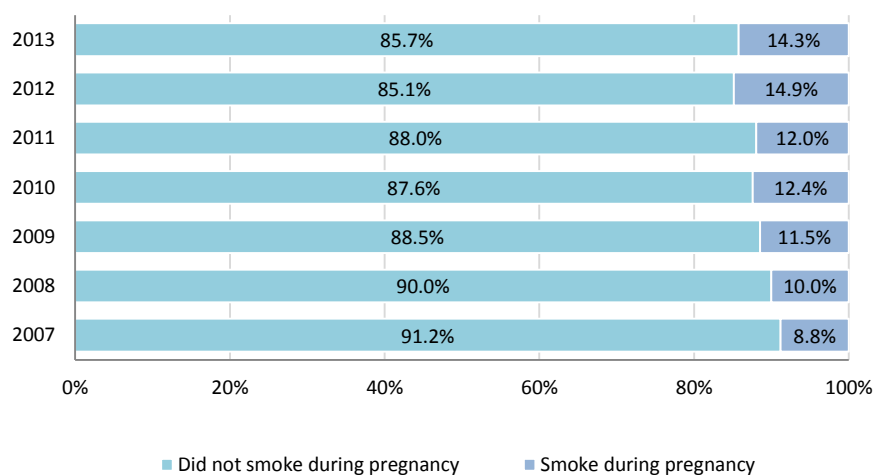
**Graph 7b: Percentage of women by country of origin\_ Public Maternity Units 2007-2013**


**Table 8: Women by smoking history during pregnancy\_ Public Maternity Units  
2007-2013**

Smoking	2007	2008	2009	2010	2011	2012	2013	2007-2013
Did not smoke during pregnancy	1955	2135	2517	2816	3027	3363	3056	18869
Smoke during pregnancy	189	238	326	399	412	587	508	2659
Not stated	0	4	3	1	1	0	0	9
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Smoking	2007	2008	2009	2010	2011	2012	2013	2007-2013
Did not smoke during pregnancy	91,2%	90,0%	88,5%	87,6%	88,0%	85,1%	85,7%	87,6%
Smoke during pregnancy	8,8%	10,0%	11,5%	12,4%	12,0%	14,9%	14,3%	12,4%
<b>Total Women*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 8: Percentage of women by smoking history during pregnancy\_ Public  
Maternity Units 2007-2013**


## The care of women and babies during pregnancy

**Table 9a: Women who used psychoprophylaxis during pregnancy\_ Public Maternity Units 2007-2013**

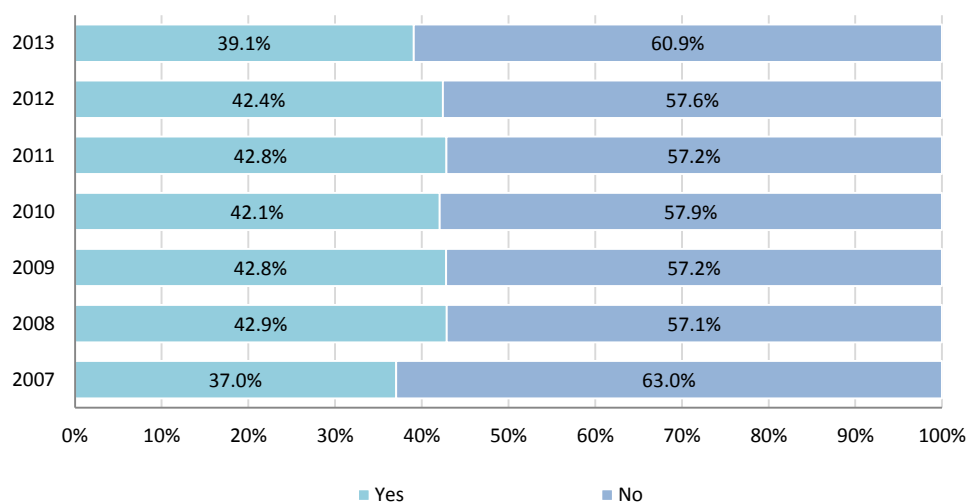
Psychoprophylaxis*	2007	2008	2009	2010	2011	2012	2013	2007-2013
Yes	794	1016	1216	1352	1473	1677	1392	8920
No	1350	1354	1624	1862	1966	2274	2171	12600
Not stated	0	7	6	2	1	0	1	17
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Psychoprophylaxis	2007	2008	2009	2010	2011	2012	2013	2007-2013
Yes	37,0%	42,9%	42,8%	42,1%	42,8%	42,4%	39,1%	41,4%
No	63,0%	57,1%	57,2%	57,9%	57,2%	57,6%	60,9%	58,6%
<b>Total Women**</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Psychoprophylaxis" is a method of preparing women for natural childbirth by means of special breathing and relaxation

\*\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 9a: Percentage of women who used psychoprophylaxis during pregnancy\_ Public Maternity Units 2007-2013**

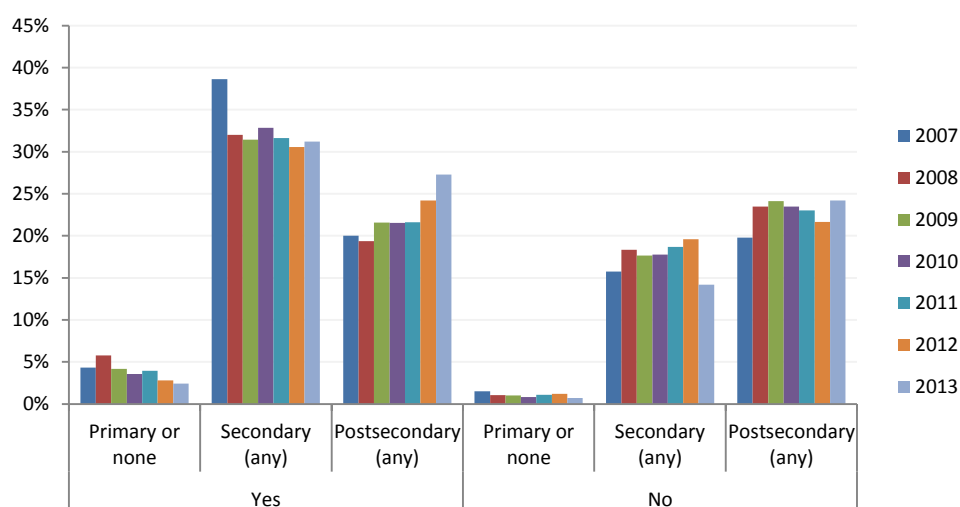


**Table 9b: Women who used psychoprophylaxis during pregnancy, by education\_ Public Maternity Units 2007-2013**

Psychoprophylaxis	Mother education	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No</b>		<b>1350</b>	<b>1358</b>	<b>1627</b>	<b>1863</b>	<b>1966</b>	<b>2274</b>	<b>2172</b>	<b>12611</b>
	Primary or none	92	137	119	114	136	111	86	796
	Secondary (any)	829	761	894	1057	1088	1207	1113	6948
	Postsecondary (any)	429	460	614	692	743	956	973	4867
<b>Yes</b>		<b>794</b>	<b>1019</b>	<b>1219</b>	<b>1353</b>	<b>1474</b>	<b>1677</b>	<b>1392</b>	<b>8927</b>
	Primary or none	32	25	29	26	38	47	25	222
	Secondary (any)	338	436	503	572	643	774	505	3770
	Postsecondary (any)	424	558	687	755	793	856	862	4935
<b>Total Women</b>		<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Psychoprophylaxis	Mother education	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No</b>	Primary or none	4,3%	5,8%	4,2%	3,5%	4,0%	2,8%	2,4%	3,7%
	Secondary (any)	38,7%	32,0%	31,4%	32,9%	31,6%	30,5%	31,2%	32,3%
	Postsecondary (any)	20,0%	19,4%	21,6%	21,5%	21,6%	24,2%	27,3%	22,6%
<b>Yes</b>	Primary or none	1,5%	1,1%	1,0%	0,8%	1,1%	1,2%	0,7%	1,0%
	Secondary (any)	15,8%	18,3%	17,7%	17,8%	18,7%	19,6%	14,2%	17,5%
	Postsecondary (any)	19,8%	23,5%	24,1%	23,5%	23,0%	21,7%	24,2%	22,9%
<b>Total Women</b>		<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 9b: Percentage of women who used psychoprophylaxis during pregnancy, by education\_ Public Maternity Units 2007-2013**


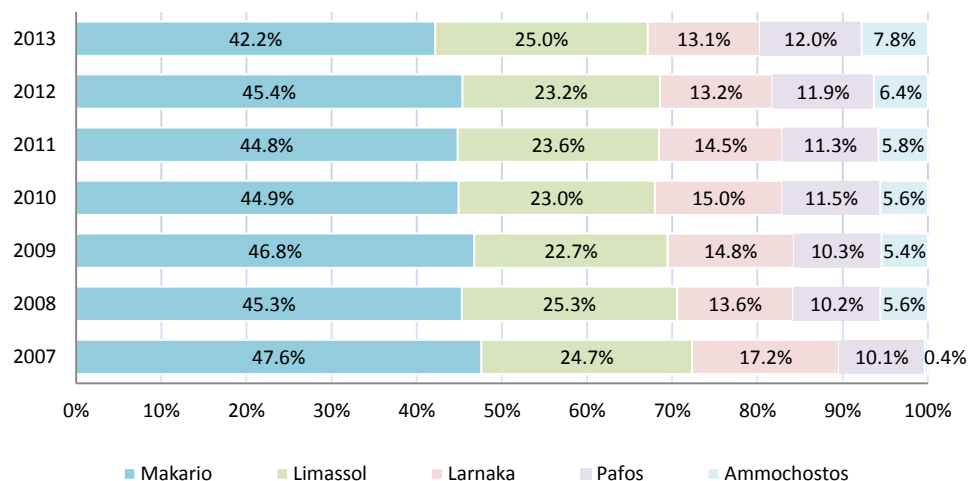


**Table 10: Total births by maternity unit\_ Public Maternity Units 2007-2013**

Maternity Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
Makario	1058	1106	1375	1490	1580	1849	1552	10010
Limassol	550	617	667	763	834	945	919	5295
Larnaka	383	333	435	497	511	538	484	3181
Pafos	224	250	303	381	397	485	440	2480
Ammochostos*	8	136	160	185	205	259	286	1239
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22204</b>

Maternity Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
Makario	47,6%	45,3%	46,8%	44,9%	44,8%	45,4%	42,2%	45,1%
Limassol	24,7%	25,3%	22,7%	23,0%	23,6%	23,2%	25,0%	23,8%
Larnaka	17,2%	13,6%	14,8%	15,0%	14,5%	13,2%	13,2%	14,3%
Pafos	10,1%	10,2%	10,3%	11,5%	11,3%	11,9%	12,0%	11,2%
Ammochostos	0,4%	5,6%	5,4%	5,6%	5,8%	6,4%	7,8%	5,6%
<b>Total Births (Live + Stillborn)</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* The operation of obstetrics unit of the General Hospital of Ammochostos had just begun in 2007

**Graph 10: Total births as a percentage of total births in all public hospitals\_ Public Maternity Units 2007-2013**


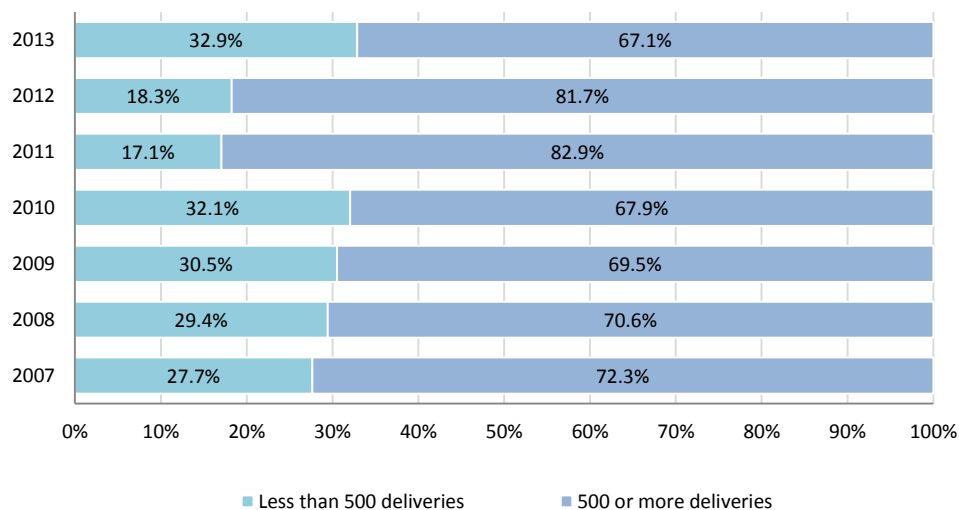
**Table 11a: Total births by number of deliveries in Unit \_ Public Maternity Units  
2007-2013**

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
Less than 500 deliveries*	615	719	898	1063	602	744	1210	5851
500 or more deliveries	1608	1723	2042	2253	2925	3332	2471	16354
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
Less than 500 deliveries	27,7%	29,4%	30,5%	32,1%	17,1%	18,3%	32,9%	26,3%
500 or more deliveries	72,3%	70,6%	69,5%	67,9%	82,9%	81,7%	67,1%	73,7%
<b>Total Births (Live + Stillborn)</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\*Until year 2010 Larnaca, Pafos and Ammochostos Hospitals had less than 500 deliveries each year. After 2011 only

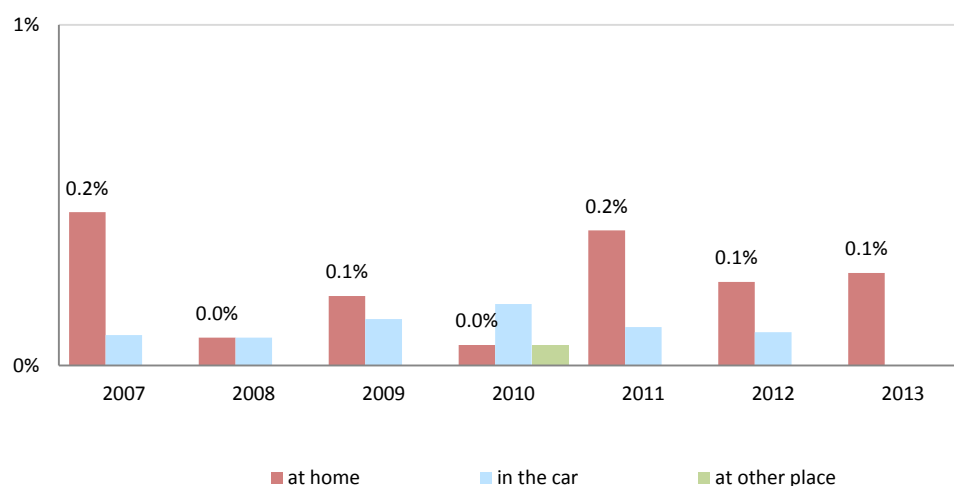
Pafos and Ammochostos Hospitals had less than 500 deliveries during the year.

**Graph 11a: Percentage of total births by number of deliveries in Unit \_ Public  
Maternity Units 2007-2013**


**Table 11b: Total births by place of birth\_ Public Maternity Units 2007-2013**

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
at the hospital	2217	2440	2935	3311	3518	4069	3676	22166
Not at the hospital (home, car, etc)	6	2	5	5	9	7	5	39
<b>Total Births</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2013	2007-2013
at the hospital	99,7%	99,9%	99,8%	99,8%	99,7%	99,8%	99,9%	99,8%
at home	0,2%	0,0%	0,1%	0,0%	0,2%	0,1%	0,1%	0,1%
in the car	0,0%	0,0%	0,1%	0,1%	0,1%	0,0%	0,0%	0,0%
at other place	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
<b>Total Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

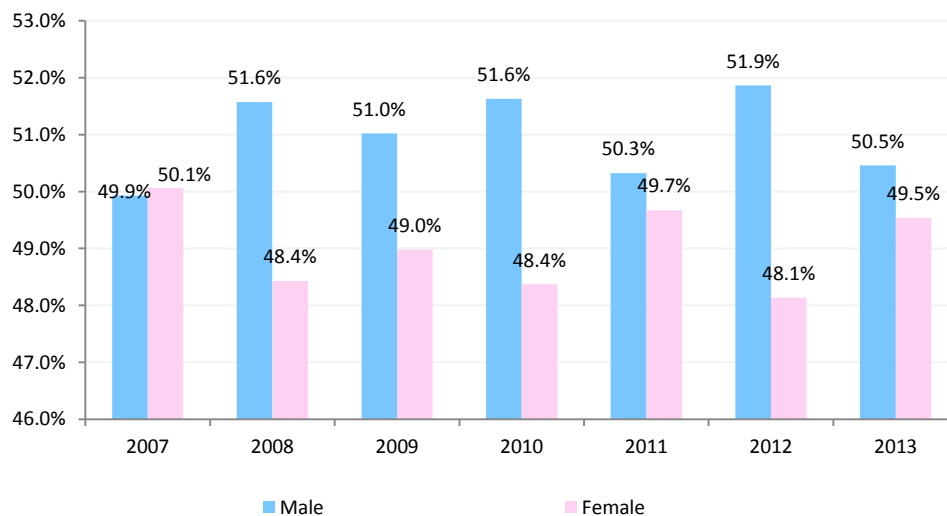
**Graph 11b: Percentage of total births by place of birth\_ Public Maternity Units 2007-2013**


**Table 12: Distribution of live and stillbirths by sex, 2007-2013**

Sex by vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Male</b>	<b>1110</b>	<b>1259</b>	<b>1500</b>	<b>1712</b>	<b>1775</b>	<b>2114</b>	<b>1858</b>	<b>11328</b>
Liveborn	1103	1252	1489	1697	1763	2102	1841	11247
Stillborn	7	7	11	15	12	12	17	81
<b>Female</b>	<b>1113</b>	<b>1183</b>	<b>1440</b>	<b>1604</b>	<b>1752</b>	<b>1962</b>	<b>1823</b>	<b>10877</b>
Liveborn	1107	1171	1433	1596	1741	1942	1809	10799
Stillborn	6	12	7	8	11	20	14	78
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Sex by vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Male</b>	<b>49,9%</b>	<b>51,6%</b>	<b>51,0%</b>	<b>51,6%</b>	<b>50,3%</b>	<b>51,9%</b>	<b>50,5%</b>	<b>51,0%</b>
Liveborn	99,4%	99,4%	99,3%	99,1%	99,3%	99,4%	99,1%	99,3%
Stillborn	0,6%	0,6%	0,7%	0,9%	0,7%	0,6%	0,9%	0,7%
<b>Female</b>	<b>50,1%</b>	<b>48,4%</b>	<b>49,0%</b>	<b>48,4%</b>	<b>49,7%</b>	<b>48,1%</b>	<b>49,5%</b>	<b>49,0%</b>
Liveborn	99,5%	99,0%	99,5%	99,5%	99,4%	99,0%	99,2%	99,3%
Stillborn	0,5%	1,0%	0,5%	0,5%	0,6%	1,0%	0,8%	0,7%
<b>Total Births (Live + Stillborn)*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 12: Percentage distribution of live and stillbirths by sex, 2007-2013**


**Table 13: Women by timing of first antenatal visit\_ Public Maternity Units 2007-2013**

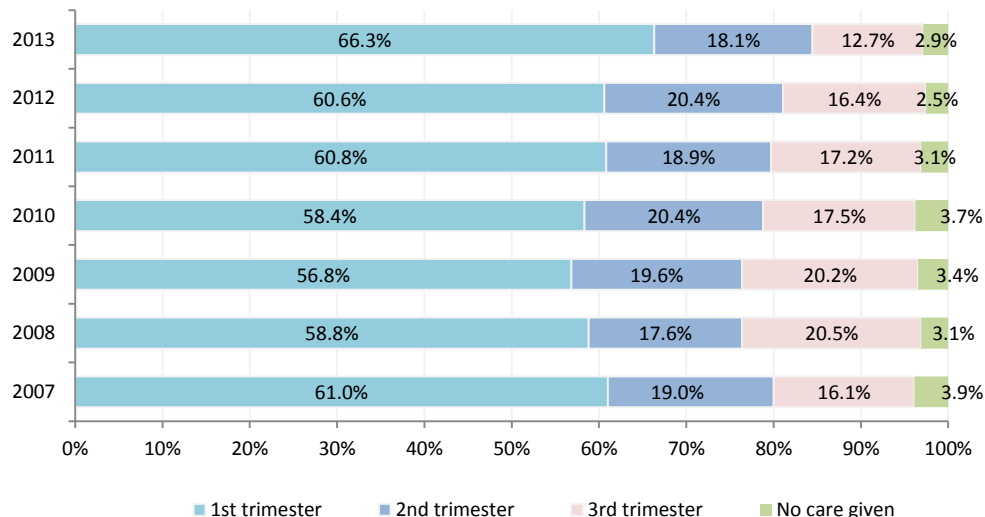
First Antenatal Visit	2007	2008	2009	2010	2011	2012	2013	2007-2013
1st trimester (<15 weeks)	1308	1392	1615	1872	2088	2384	2354	13013
2nd trimester (15-27 weeks)	407	416	556	656	648	804	643	4130
3rd trimester (28 weeks or more)	346	486	573	560	591	645	450	3651
No care given*	83	73	98	120	106	100	102	682
Not stated	0	10	4	8	7	17	15	61
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

First Antenatal Visit	2007	2008	2009	2010	2011	2012	2013	2007-2013
1st trimester	61,0%	58,8%	56,8%	58,4%	60,8%	60,6%	66,3%	60,6%
2nd trimester	19,0%	17,6%	19,6%	20,4%	18,9%	20,4%	18,1%	19,2%
3rd trimester	16,1%	20,5%	20,2%	17,5%	17,2%	16,4%	12,7%	17,0%
No care given	3,9%	3,1%	3,4%	3,7%	3,1%	2,5%	2,9%	3,2%
<b>Total Women**</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "No care given" cases are the ones whose mothers' first visit occurred the date of childbirth

\*\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 13: Percentage of women by timing of first antenatal visit\_ Public Maternity Units 2007-2013**



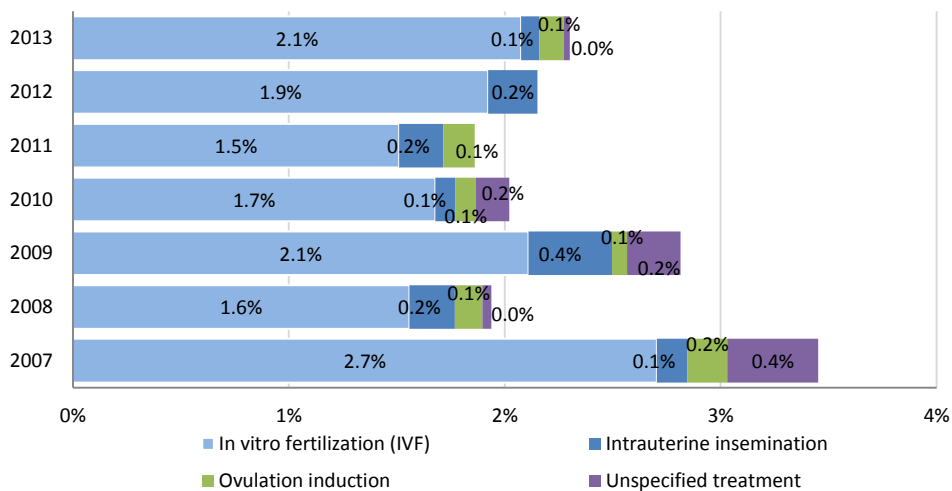
**Table 14a: Women by mode of fertility treatment \_ Public Maternity Units 2007-2013**

Fertility treatment	2007	2008	2009	2010	2011	2012	2013	2007-2013
None	2070	2327	2763	3150	3375	3865	3482	21032
In vitro fertilization (IVF)	58	37	60	54	52	76	74	411
Intrauterine insemination	3	5	11	3	7	9	3	41
Ovulation induction	4	3	2	3	5	0	4	21
Unspecified treatment	9	1	7	5	0	0	1	23
Not stated	0	4	3	1	1	0	0	9
<b>Total Women</b>	<b>2144</b>	<b>2377</b>	<b>2846</b>	<b>3216</b>	<b>3440</b>	<b>3950</b>	<b>3564</b>	<b>21537</b>

Fertility treatment	2007	2008	2009	2010	2011	2012	2013	2007-2013
None	96,5%	98,1%	97,2%	98,0%	98,1%	97,8%	97,7%	97,7%
In vitro fertilization (IVF)	2,7%	1,6%	2,1%	1,7%	1,5%	1,9%	2,1%	1,9%
Intrauterine insemination	0,1%	0,2%	0,4%	0,1%	0,2%	0,2%	0,1%	0,2%
Ovulation induction	0,2%	0,1%	0,1%	0,1%	0,1%	0,0%	0,1%	0,1%
Unspecified treatment	0,4%	0,0%	0,2%	0,2%	0,0%	0,0%	0,0%	0,1%
<b>Total Women*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 14a: Percentage of women by mode of fertility treatment \_ Public Maternity Units 2007-2013**

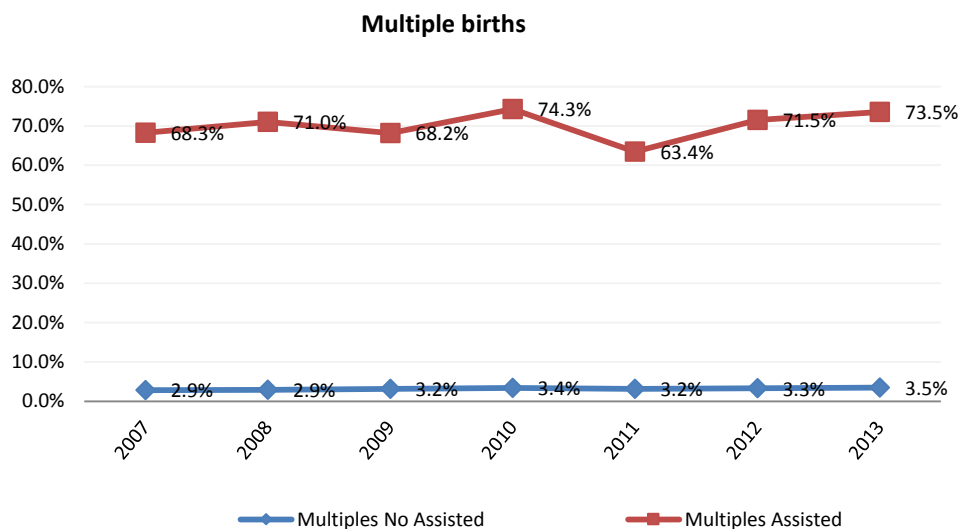


**Table 14b: Total births with or without fertility treatment by plurality\_ Public Maternity Units 2007-2013**

Fertility treatment	Plurality	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No Assisted fertilization</b>		<b>2100</b>	<b>2366</b>	<b>2811</b>	<b>3207</b>	<b>3431</b>	<b>3932</b>	<b>3545</b>	<b>21392</b>
	Singles	2040	2297	2722	3097	3322	3801	3420	20699
	Twins	60	66	86	104	103	122	122	663
	Triplets or more	0	3	3	6	6	9	3	30
<b>Assisted fertilization</b>		<b>123</b>	<b>76</b>	<b>129</b>	<b>109</b>	<b>96</b>	<b>144</b>	<b>136</b>	<b>813</b>
	Singles	39	22	41	28	35	41	36	242
	Twins	42	36	58	60	55	58	78	387
	Triplets or more	42	18	30	21	6	45	22	184
<b>Total Births</b>		<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Fertility treatment	Plurality	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No Assisted</b>	Singles	97,1%	97,1%	96,8%	96,6%	96,8%	96,7%	96,5%	96,8%
	Multiples No Assisted	2,9%	2,9%	3,2%	3,4%	3,2%	3,3%	3,5%	3,2%
<b>Assisted</b>	Singles	31,7%	29,0%	31,8%	25,7%	36,6%	28,5%	26,5%	29,8%
	Multiples Assisted	68,3%	71,0%	68,2%	74,3%	63,4%	71,5%	73,5%	70,2%

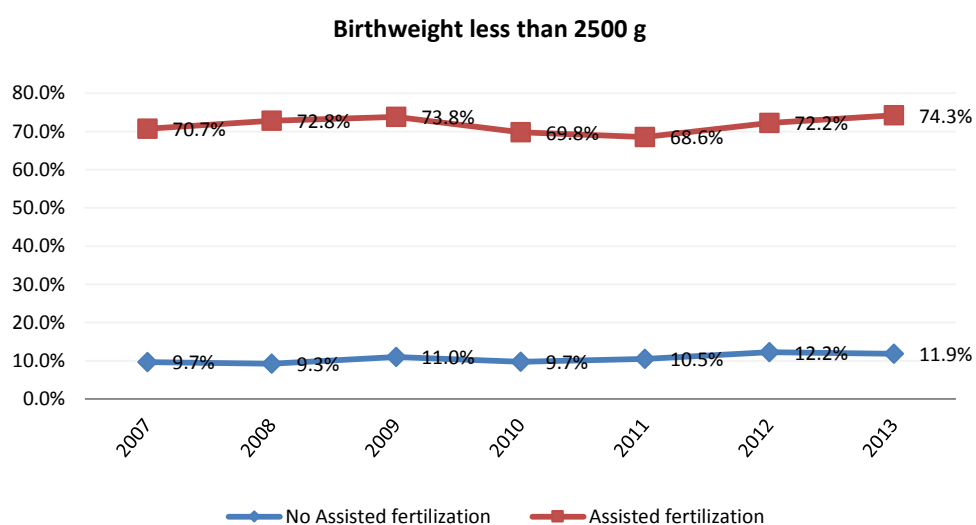
**Graph 14b: Percentage of total births with or without fertility treatment by plurality\_ Public Maternity Units 2007-2013**



**Table 14c: Total births with or without fertility treatment by birthweight \_ Public Maternity Units 2007-2013**

Fertility treatment	Birthweight	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No Assisted fertilization</b>		<b>2100</b>	<b>2365</b>	<b>2810</b>	<b>3207</b>	<b>3432</b>	<b>3932</b>	<b>3545</b>	<b>21390</b>
	Under 1500 g	44	50	67	76	77	110	85	509
	1500-2499 g	159	169	241	235	284	371	335	1795
	2500 g or more	1897	2146	2502	2896	3071	3451	3125	19087
<b>Assisted fertilization</b>		<b>123</b>	<b>77</b>	<b>130</b>	<b>109</b>	<b>95</b>	<b>144</b>	<b>136</b>	<b>815</b>
	Under 1500 g	29	22	24	19	22	44	25	186
	1500-2499 g	58	34	72	57	43	60	76	400
	2500 g or more	36	21	34	33	30	40	35	229
<b>Total Births</b>		<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Births less than 2500 g		2007	2008	2009	2010	2011	2012	2013	2007-2013
	No Assisted	9,7%	9,3%	11,0%	9,7%	10,5%	12,2%	11,9%	10,8%
	Assisted	70,7%	72,8%	73,8%	69,8%	68,6%	72,2%	74,3%	71,9%

**Graph 14c: Percentage of total births with or without fertility treatment by birthweight\_ Public Maternity Units 2007-2013**


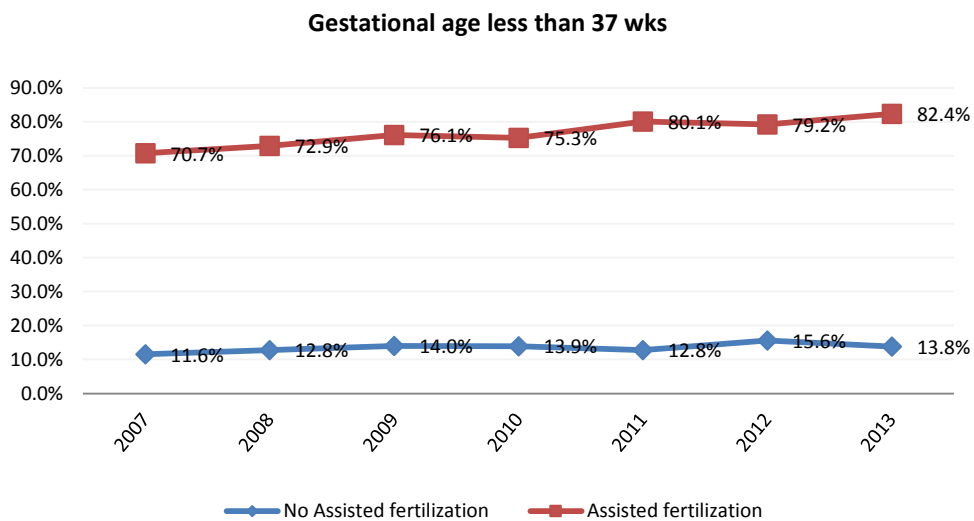


**Table 14d: Total births with or without fertility treatment by gestational age\_ Public Maternity Units 2007-2013**

Fertility treatment	Gestational age	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>No Assisted fertilization</b>		<b>2100</b>	<b>2364</b>	<b>2810</b>	<b>3207</b>	<b>3432</b>	<b>3932</b>	<b>3545</b>	<b>21390</b>
	<32 weeks	56	62	74	88	78	131	89	578
	32-36 weeks	187	241	319	359	361	483	401	2350
	37 weeks or more	1857	2062	2417	2760	2993	3318	3055	18462
<b>Assisted fertilization</b>		<b>123</b>	<b>78</b>	<b>130</b>	<b>109</b>	<b>95</b>	<b>144</b>	<b>136</b>	<b>815</b>
	<32 weeks	30	41	33	17	23	43	27	214
	32-36 weeks	57	16	66	65	53	71	85	413
	37 weeks or more	36	21	31	27	19	30	24	188
<b>Total Births</b>		<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Births less than 37 wks of gestation		2007	2008	2009	2010	2011	2012	2013	2007-2013
	No Assisted fertilization	11,6%	12,8%	14,0%	13,9%	12,8%	15,6%	13,8%	13,7%
	Assisted fertilization	70,7%	72,9%	76,1%	75,3%	80,1%	79,2%	82,4%	76,9%

**Graph 14d: Percentage of total births with or without fertility treatment by gestational age\_ Public Maternity Units 2007-2013**

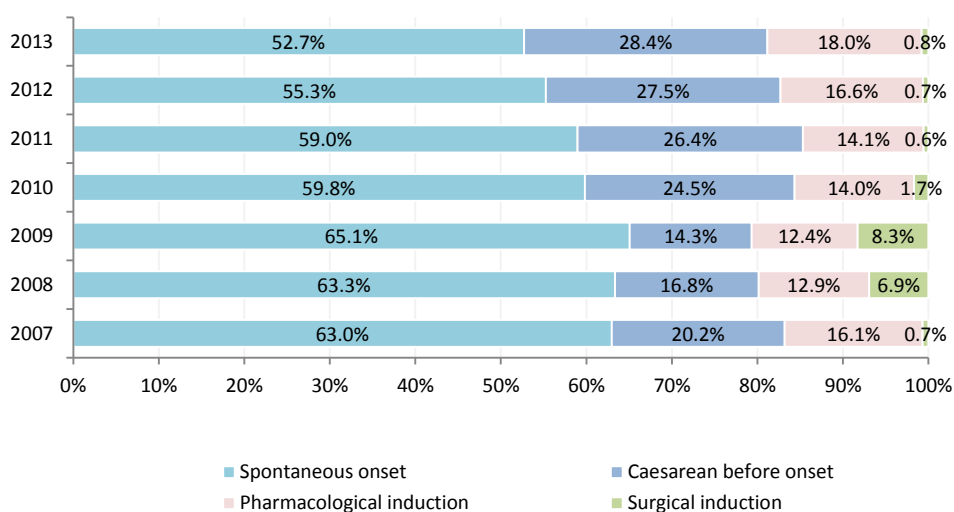


**Table 15: Total births by mode of onset\_ Public Maternity Units 2007-2013**

Mode of Onset	2007	2008	2009	2010	2011	2012	2013	2007-2013
Spontaneous onset	1400	1544	1911	1983	2079	2252	1940	13109
Caesarean before onset	449	410	419	813	929	1119	1046	5185
Pharmacological induction	359	315	364	463	497	678	663	3339
Surgical induction	15	169	243	56	20	27	30	560
Not stated	0	4	3	1	2	0	2	12
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Mode of Onset	2007	2008	2009	2010	2011	2012	2013	2007-2013
Spontaneous onset	63,0%	63,3%	65,1%	59,8%	59,0%	55,3%	52,7%	59,1%
Caesarean before onset	20,2%	16,8%	14,3%	24,5%	26,4%	27,5%	28,4%	23,4%
Pharmacological induction	16,1%	12,9%	12,4%	14,0%	14,1%	16,6%	18,0%	15,0%
Surgical induction	0,7%	6,9%	8,3%	1,7%	0,6%	0,7%	0,8%	2,5%
<b>Total Births (Live + Stillborn)</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

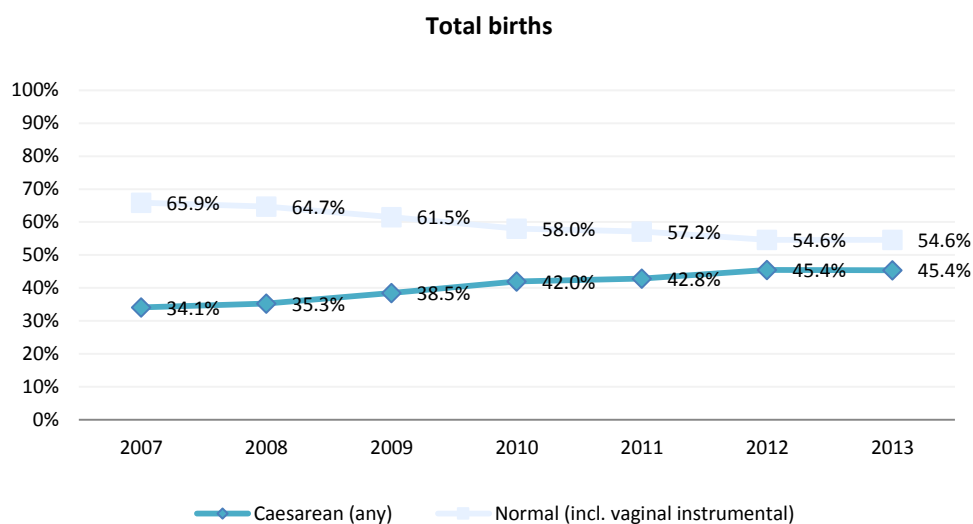
**Graph 15: Percentage of total births by mode of onset\_ Public Maternity Units 2007-2013**


**Table 16a: Total births by mode of delivery\_ Public Maternity Units 2007-2013**

Mode of Delivery	2007	2008	2009	2010	2011	2012	2013	2007-2013
Caesarean (any)	758	861	1130	1391	1510	1852	1672	9174
Normal (incl. vaginal instrumental)	1465	1577	1807	1923	2015	2224	2009	13020
Not stated	0	4	3	2	2	0	0	11
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Mode of Delivery	2007	2008	2009	2010	2011	2012	2013	2007-2013
Caesarean (any)	34,1%	35,3%	38,5%	42,0%	42,8%	45,4%	45,4%	41,3%
Normal (incl. vaginal instrumental)	65,9%	64,7%	61,5%	58,0%	57,2%	54,6%	54,6%	58,7%
<b>Total Births (Live + Stillborn)*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

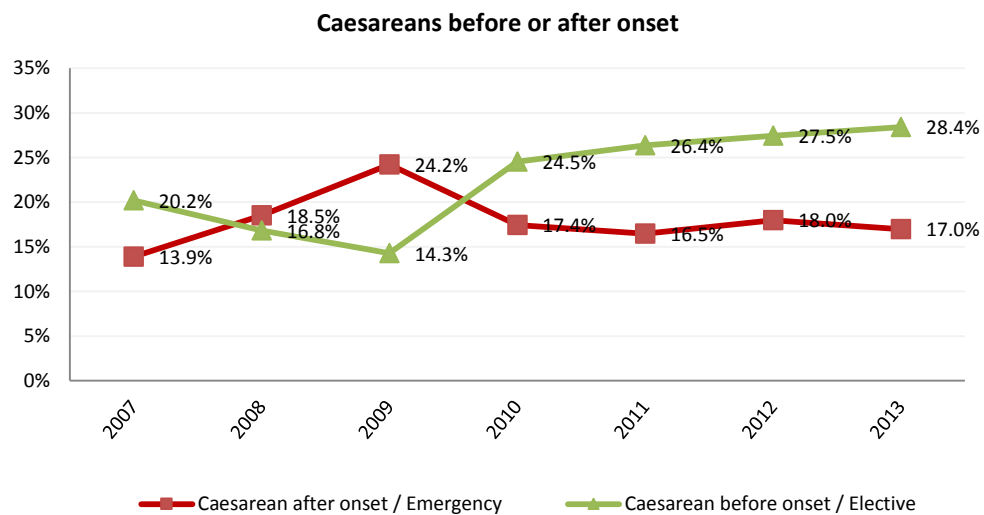
**Graph 16a: Percentage of total births by mode of delivery\_ Public Maternity Units 2007-2013**


**Table 16b: Total births by mode of delivery, Cyprus Public Sector 2007-2013**

Mode of Delivery_Public	2007	2008	2009	2010	2011	2012	2013	2007-2013
Caesarean after onset / Emergency	309	451	711	578	581	733	626	3989
Caesarean before onset / Elective	449	410	419	813	929	1119	1046	5185
Normal	1465	1577	1807	1923	2015	2224	2009	13020
Not stated	0	4	3	2	2	0	0	11
<b>Total Births (Live + Stillborn)</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Mode of Delivery_Public	2007	2008	2009	2010	2011	2012	2013	2007-2013
Caesarean after onset / Emergency	13,9%	18,5%	24,2%	17,4%	16,5%	18,0%	17,0%	18,0%
Caesarean before onset / Elective	20,2%	16,8%	14,3%	24,5%	26,4%	27,5%	28,4%	23,4%
Normal	65,9%	64,7%	61,5%	58,0%	57,2%	54,6%	54,6%	58,7%
<b>Total Births (Live + Stillborn)*</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 16b: Caesarean distribution, Cyprus Public Sector 2007-2013**


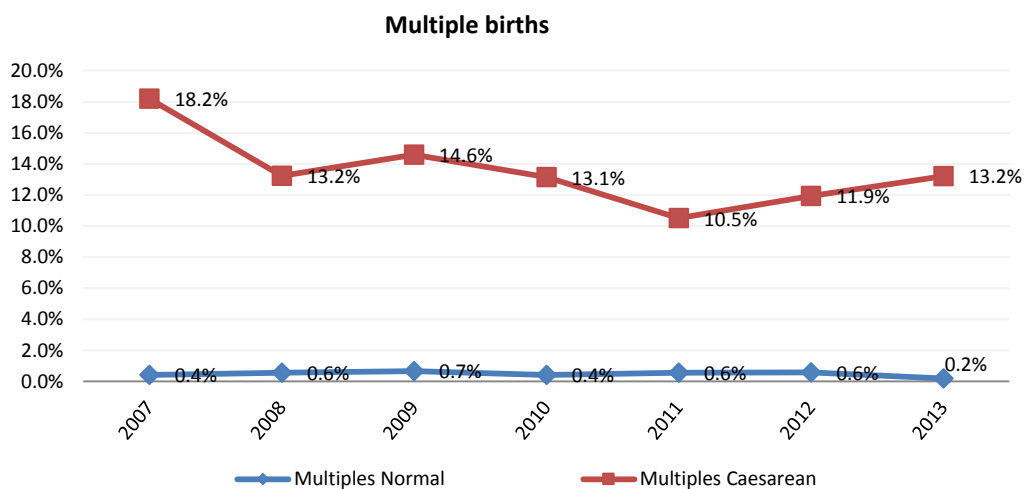
**Table 16c: Distribution of total births born with caesarean section by multiplicity\_ Public Maternity Units 2007-2013**

Mode of Delivery	Plurality	2007	2008	2009	2010	2011	2012	2013
<b>Normal (incl. vaginal instrumental)</b>		<b>1465</b>	<b>1580</b>	<b>1809</b>	<b>1924</b>	<b>2015</b>	<b>2224</b>	<b>2009</b>
	Singles	1459	1571	1797	1916	2004	2211	2005
	Twins	6	6	12	8	11	10	0
	Triplets or more	0	3	0	0	0	3	4
<b>Caesarean (any)</b>		<b>758</b>	<b>862</b>	<b>1131</b>	<b>1392</b>	<b>1512</b>	<b>1852</b>	<b>1672</b>
	Singles	620	748	966	1209	1353	1631	1451
	Twins	96	96	132	156	147	170	200
	Triplets or more	42	18	33	27	12	51	21
<b>Total Births*</b>		<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>

Mode of Delivery	Plurality	2007	2008	2009	2010	2011	2012	2013
<b>Normal (incl. vaginal instrumental)</b>	Singles	99.6%	99.4%	99.3%	99.6%	99.4%	99.4%	99.8%
	Multiples Normal	0.4%	0.6%	0.7%	0.4%	0.6%	0.6%	0.2%
<b>Caesarean (any)</b>	Singles	81.8%	86.8%	85.4%	86.9%	89.5%	88.1%	86.8%
	Multiples Caesarean	18.2%	13.2%	14.6%	13.1%	10.5%	11.9%	13.2%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 16c: Percentage distribution of total births born with caesarean section by multiplicity\_ Public Maternity Units 2007-2013**



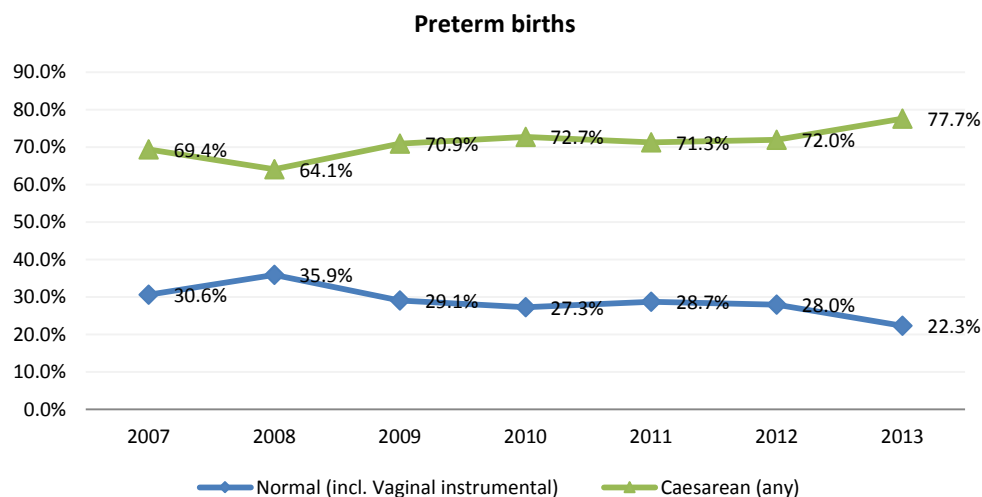
**Table 16d: Total births by gestational age by mode of delivery\_ Public Maternity Units 2007-2013**

Gestational age by mode of Delivery	2007	2008	2009	2010	2011	2012	2013
<b>Term (37 wks or more)</b>	<b>1893</b>	<b>2083</b>	<b>2448</b>	<b>2787</b>	<b>3012</b>	<b>3348</b>	<b>3079</b>
Normal (incl. vaginal instrumental)	1364	1450	1665	1779	1868	2020	1874
Caesarean (any)	529	634	783	1008	1144	1328	1204
<b>Moderately preterm (32-36 weeks)</b>	<b>244</b>	<b>256</b>	<b>385</b>	<b>423</b>	<b>414</b>	<b>554</b>	<b>486</b>
Normal (incl. vaginal instrumental)	73	94	109	113	111	138	105
Caesarean (any)	171	162	276	310	303	416	380
<b>Very preterm (&lt;32 weeks)</b>	<b>86</b>	<b>102</b>	<b>107</b>	<b>105</b>	<b>101</b>	<b>175</b>	<b>115</b>
Normal (incl. vaginal instrumental)	28	34	34	31	37	66	29
Caesarean (any)	58	68	73	74	64	108	87
<b>Total Births*</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>

Gestational age by mode of Delivery	2007	2008	2009	2010	2011	2012	2013
<b>Term (37 wks or more)</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Normal (incl. Vaginal instrumental)	72,1%	69,6%	68,0%	63,8%	62,0%	60,3%	60,9%
Caesarean (any)	27,9%	30,4%	32,0%	36,2%	38,0%	39,7%	39,1%
<b>Preterm (&lt;37 wks)</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Normal (incl. Vaginal instrumental)	30,6%	35,9%	29,1%	27,3%	28,7%	28,0%	22,3%
Caesarean (any)	69,4%	64,1%	70,9%	72,7%	71,3%	72,0%	77,7%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 16d: Percentage of total births by gestational age by mode of delivery\_ Public Maternity Units 2007-2013**


**Table 16e: Total births by mode of delivery\_Cyprus Private Sector\* 2008-2013**

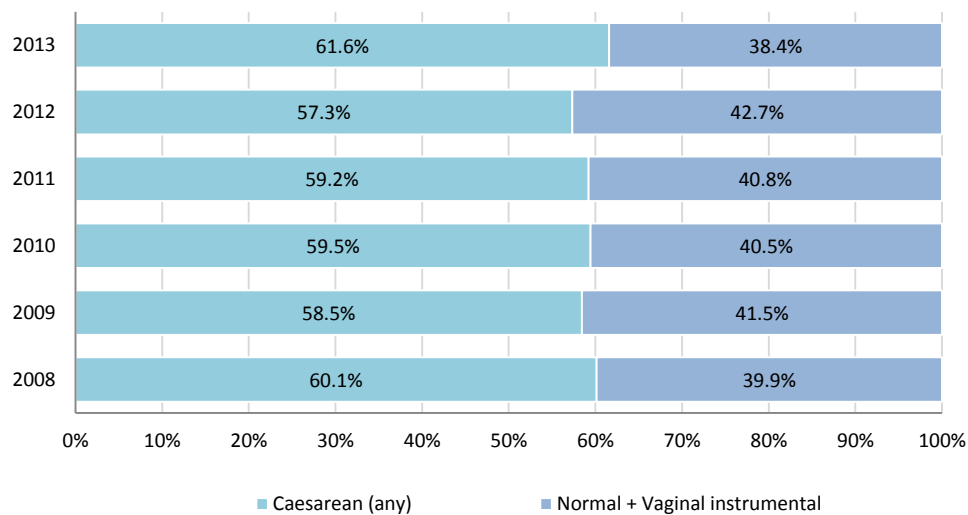
Mode of delivery	2008	2009	2010	2011	2012	2013	2008-2013
Caesarean (any)	3914	3753	3992	3690	3476	3510	22335
Normal + Vaginal instrumental	2595	2667	2722	2543	2588	2188	15303
<b>Total Births**</b>	<b>6509</b>	<b>6420</b>	<b>6714</b>	<b>6233</b>	<b>6064</b>	<b>5698</b>	<b>37638</b>

Mode of delivery	2008	2009	2010	2011	2012	2013	2008-2013
Caesarean (any)	60,1%	58,5%	59,5%	59,2%	57,3%	61,6%	59,3%
Normal + Vaginal instrumental	39,9%	41,5%	40,5%	40,8%	42,7%	38,4%	40,7%
<b>Total Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* Births for the Cyprus Private Sector that presented in this table are data collected by Private Clinics Inspectors of the Medical and Public Health Services. These data are categorized only by mode of delivery.

\*\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 16e: Percentage of total births by mode of delivery\_Cyprus Private Sector 2008-2013**

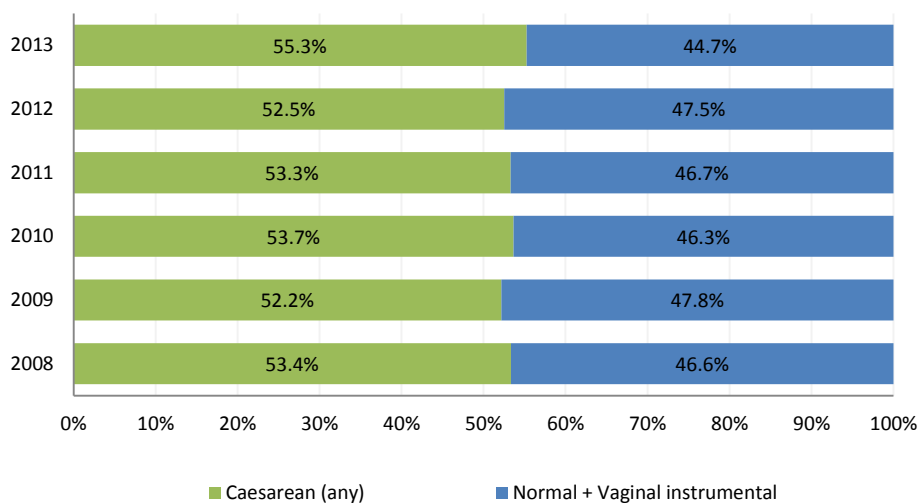


**Table 16f: Total births by mode of delivery, Cyprus Private and Public Sector  
2008-2013**

Mode of delivery_Cyprus	2008	2009	2010	2011	2012	2013	2008-2013
Caesarean (any)	4776	4884	5384	5201	5328	5182	30755
Normal + Vaginal instrumental	4175	4476	4646	4559	4812	4197	26865
<b>Total Births</b>	<b>8951</b>	<b>9360</b>	<b>10030</b>	<b>9760</b>	<b>10140</b>	<b>9379</b>	<b>57620</b>

Mode of delivery_Cyprus	2008	2009	2010	2011	2012	2013	2008-2013
Caesarean (any)	53,4%	52,2%	53,7%	53,3%	52,5%	55,3%	53,4%
Normal + Vaginal instrumental	46,6%	47,8%	46,3%	46,7%	47,5%	44,7%	46,6%
<b>Total Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

**Graph 16f: Percentage of total births by mode of delivery, Cyprus Private and Public Sector 2008-2013**




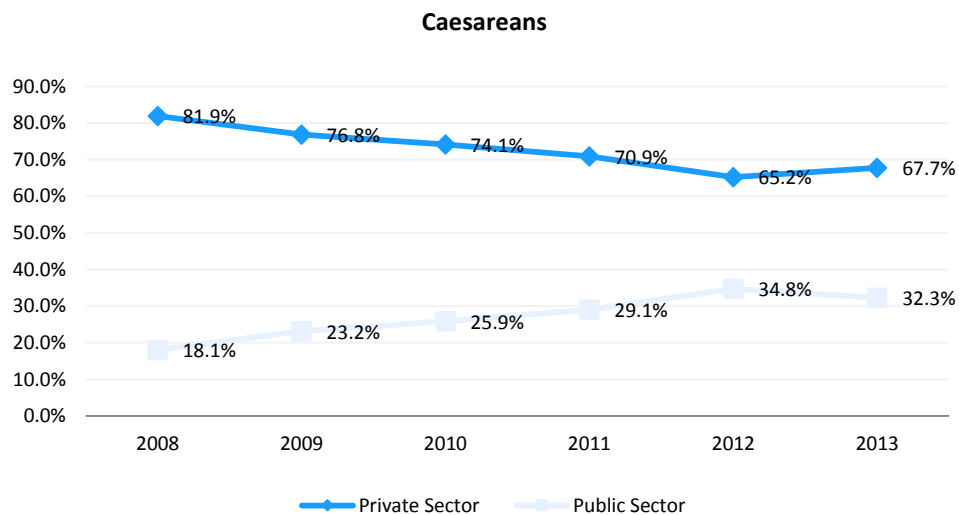
**Table 16g: Caesareans of total births\_Cyprus Private Sector Vs Public Sector 2008-2013**

Caesarean (any)	2008	2009	2010	2011	2012	2013	2008-2013
Private Sector	3914	3753	3992	3690	3476	3510	22335
Public Sector	862	1131	1392	1511	1852	1672	8420
<b>Total Births*</b>	<b>4776</b>	<b>4884</b>	<b>5384</b>	<b>5201</b>	<b>5328</b>	<b>5182</b>	<b>30755</b>

Caesarean (any)	2008	2009	2010	2011	2012	2013	2008-2013
Private Sector	81,9%	76,8%	74,1%	70,9%	65,2%	67,7%	72,6%
Public Sector	18,1%	23,2%	25,9%	29,1%	34,8%	32,3%	27,4%
<b>Total Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 16g: Percentage of Caesareans of total births\_Cyprus Private Sector Vs Public Sector 2008-2013**



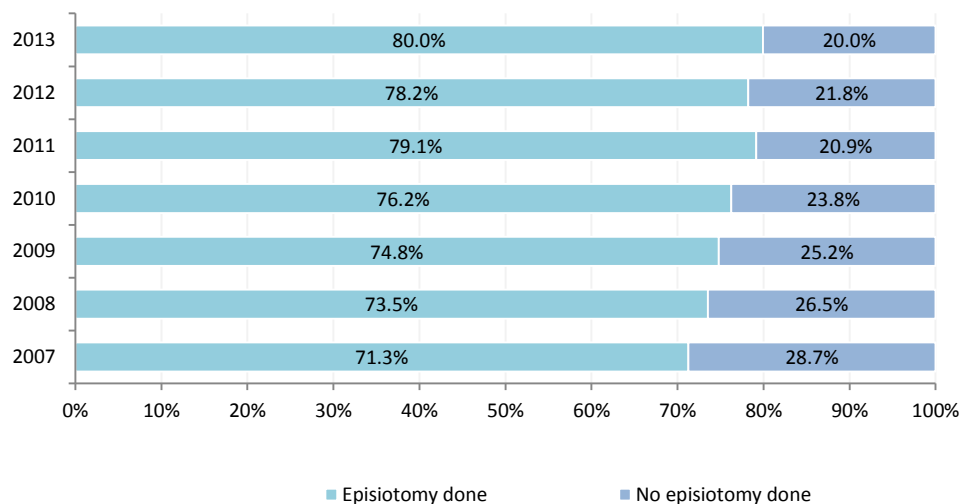
**Table 17a: Women delivered vaginally and had or not an episiotomy\_ Public Maternity Units 2007-2013**

Episiotomy	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Episiotomy done</b>	1042	1156	1347	1463	1591	1734	1603	9936
<b>No episiotomy done</b>	420	416	454	456	419	483	402	3050
<b>Not stated</b>	0	0	0	0	0	0	1	1
<b>Total Women*</b>	1462	1572	1801	1919	2010	2217	2006	12987

Episiotomy	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Episiotomy done</b>	71,3%	73,5%	74,8%	76,2%	79,1%	78,2%	80,0%	76,5%
<b>No episiotomy done</b>	28,7%	26,5%	25,2%	23,8%	20,9%	21,8%	20,0%	23,5%
<b>Total Women</b>	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

**Denominator:** Total number of women with vaginal deliveries

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 17a: Percentage of women delivered vaginally and had or not an episiotomy\_ Public Maternity Units 2007-2013**


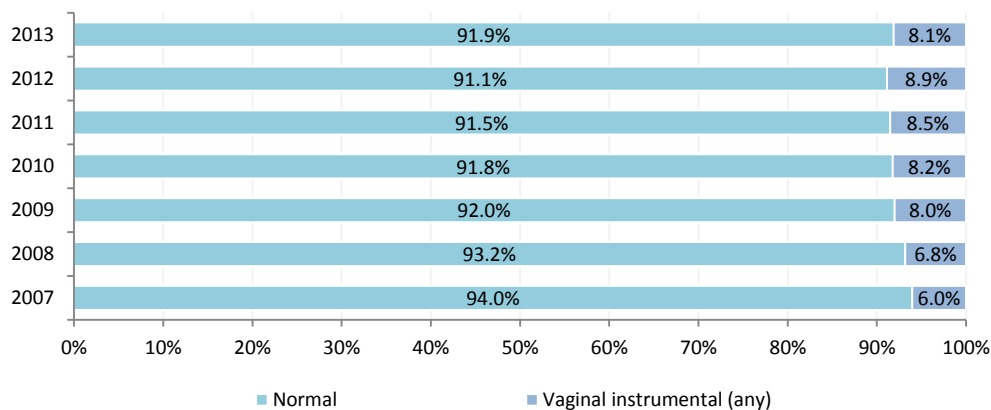
**Table 17b: Women delivered vaginally and had an episiotomy\_ Public Maternity Units 2007-2013**

Episiotomy done	2007	2008	2009	2010	2011	2012	2013	2007-2013
Normal	979	1077	1239	1343	1455	1580	1473	9146
Vaginal instrumental (any)	63	79	108	120	136	154	130	790
<b>Total Women*</b>	<b>1042</b>	<b>1156</b>	<b>1347</b>	<b>1463</b>	<b>1591</b>	<b>1734</b>	<b>1603</b>	<b>9936</b>

Episiotomy done	2007	2008	2009	2010	2011	2012	2013	2007-2013
Normal	94,0%	93,2%	92,0%	91,8%	91,5%	91,1%	91,9%	92,1%
Vaginal instrumental (any)	6,0%	6,8%	8,0%	8,2%	8,5%	8,9%	8,1%	7,9%
<b>Total Women</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

**Denominator:** Total number of women with vaginal deliveries

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 17b: Percentage of women delivered vaginally and had an episiotomy\_ Public Maternity Units 2007-2013**


**Table 18: Women delivered vaginally and had perinatal trauma\_ Public Maternity Units 2007-2013**

Perineal trauma	2007	2008	2009	2010	2011	2012	2013	2007-2013
None	1195	1329	1515	1676	1725	2023	1854	11317
1st degree*	221	192	221	185	231	159	110	1319
2nd degree	43	43	59	51	43	32	30	301
3rd and 4th degree	3	8	6	7	11	3	11	49
Not stated	0	0	0	0	0	0	1	1
<b>Total Women**</b>	<b>1462</b>	<b>1572</b>	<b>1801</b>	<b>1919</b>	<b>2010</b>	<b>2217</b>	<b>2006</b>	<b>12987</b>

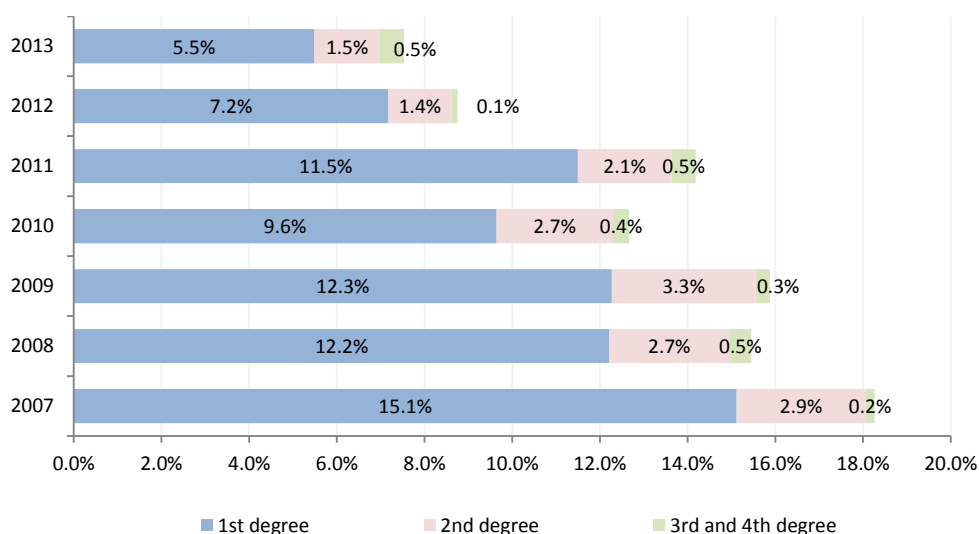
Perineal trauma	2007	2008	2009	2010	2011	2012	2013	2007-2013
None	81,7%	84,5%	84,1%	87,3%	85,8%	91,2%	92,5%	87,1%
1st degree	15,1%	12,2%	12,3%	9,6%	11,5%	7,2%	5,5%	10,2%
2nd degree	2,9%	2,7%	3,3%	2,7%	2,1%	1,4%	1,5%	2,3%
3rd and 4th degree	0,2%	0,5%	0,3%	0,4%	0,5%	0,1%	0,5%	0,4%
<b>Total Women</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

**Denominator:** Total number of women with vaginal deliveries

\* First degree perinatal trauma is lighter than 2nd and cetera

\*\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 18: Percentage of women delivered vaginally and had perinatal trauma\_ Public Maternity Units 2007-2013**



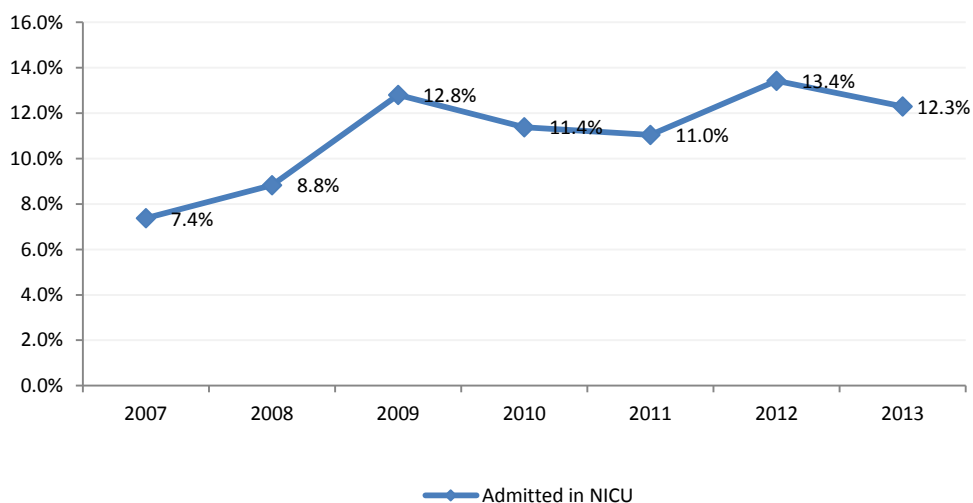
**Table 19a: Live births by admission to neonatal intensive care unit (NICU) \_ Public Maternity Units 2007-2013**

NICU admission	2007	2008	2009	2010	2011	2012	2013	2007-2013
No NICU Admission	2047	2209	2548	2918	3117	3501	3201	19541
Admitted in NICU	163	214	374	375	387	543	449	2505
Live Births	2210	2423	2922	3293	3504	4044	3650	22046

NICU admission	2007	2008	2009	2010	2011	2012	2013	2007-2013
No NICU Admission	92,6%	91,2%	87,2%	88,6%	89,0%	86,6%	87,7%	88,6%
Admitted in NICU	7,4%	8,8%	12,8%	11,4%	11,0%	13,4%	12,3%	11,4%
Live Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

**Denominator:** Live births

\* NICU is only available at Makario Hospital

**Graph 19a: Percentage of live births admitted to (NICU) \_ Public Maternity Units 2007-2013**


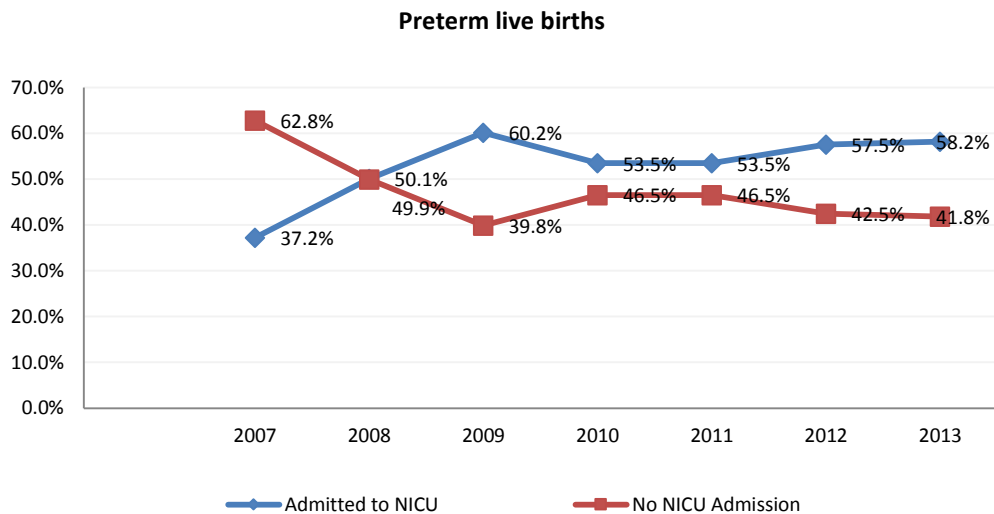
**Table 19b: Live births admission to NICU by gestational age\_ Public Maternity Units 2007-2013**

NICU admission by gestational age	2007	2008	2009	2010	2011	2012	2013
<b>Admitted to NICU</b>	<b>163</b>	<b>214</b>	<b>374</b>	<b>375</b>	<b>387</b>	<b>543</b>	<b>449</b>
<32 wks	52	79	93	89	86	148	91
32-36 wks	67	91	194	184	178	256	243
37 wks or more	44	44	87	102	122	140	115
<b>No NICU Admission</b>	<b>2047</b>	<b>2209</b>	<b>2548</b>	<b>2918</b>	<b>3117</b>	<b>3501</b>	<b>3201</b>
<32 wks	27	6	3	1	3	3	2
32-36 wks	174	163	187	237	227	295	238
37 wks or more	1846	2040	2358	2680	2887	3203	2961
<b>Live Births</b>	<b>2210</b>	<b>2423</b>	<b>2922</b>	<b>3293</b>	<b>3504</b>	<b>4044</b>	<b>3650</b>

Births less than 37 wks of gestation	2007	2008	2009	2010	2011	2012	2013
Admitted to NICU	37,2%	50,1%	60,2%	53,5%	53,5%	57,5%	58,2%
No NICU Admission	62,8%	49,9%	39,8%	46,5%	46,5%	42,5%	41,8%

**Denominator:** Live births

**Graph 19b: Preterm live births admission rate to NICU\_ Public Maternity Units 2007-2013**



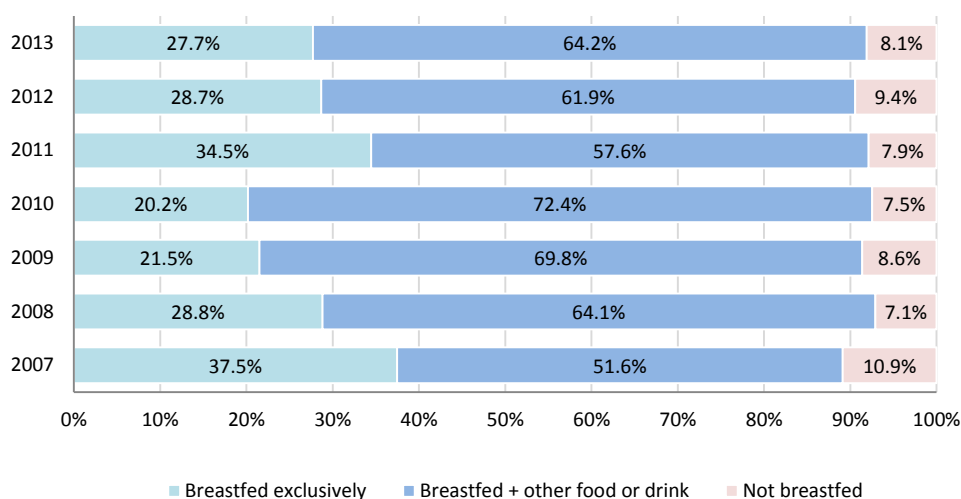
**Table 20a: Live births by mode of breastfeeding during the first 48 hrs\_ Public Maternity Units 2007-2013**

Breastfeeding	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Breastfed exclusively</b>	785	698	629	664	1208	1159	1011	6154
<b>Breastfed + other food or drink</b>	1081	1553	2041	2383	2020	2504	2342	13924
<b>Not breastfed</b>	228	172	252	246	276	381	295	1850
<b>Not stated</b>	116	0	0	0	0	0	2	118
<b>Total Live Births</b>	2210	2423	2922	3293	3504	4044	3650	<b>22046</b>

Breastfeeding	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Breastfed exclusively</b>	37,5%	28,8%	21,5%	20,2%	34,5%	28,7%	27,7%	28,1%
<b>Breastfed + other food or drink</b>	51,6%	64,1%	69,8%	72,4%	57,6%	61,9%	64,2%	63,5%
<b>Not breastfed</b>	10,9%	7,1%	8,6%	7,5%	7,9%	9,4%	8,1%	8,4%
<b>Total Live Births*</b>	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	<b>100,0%</b>

**Denominator:** Live births

\* "Not stated" cases are distributed in each category by a weighting factor

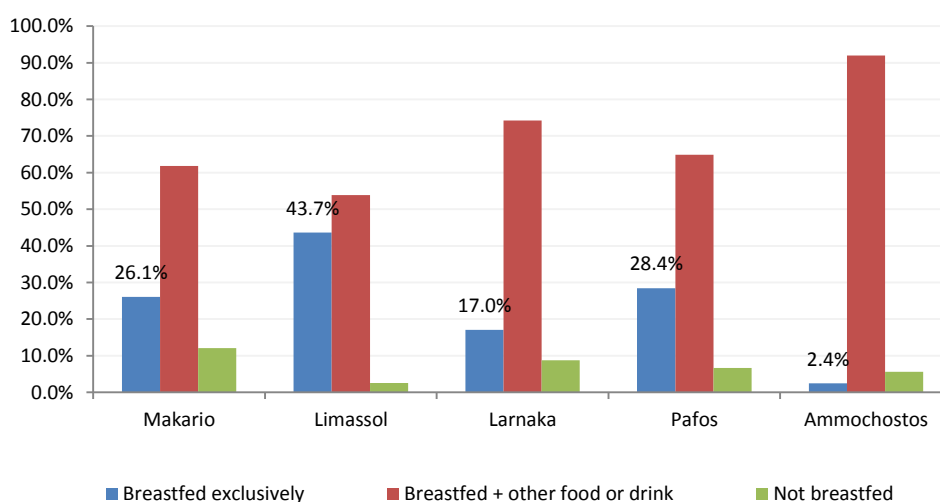
**Graph 20a: Percentage of live births by mode of breastfeeding during the first 48 hours\_ Public Maternity Units 2007-2013**


**Table 20b: Live births by mode of breastfeeding during the first 48 hrs by maternal unit\_ Public Maternity Units 2007-2013**

Maternal Units	Makario	Limassol	Larnaka	Pafos	Ammochostos	2013
Breastfed exclusively	400	399	82	124	7	1012
Breastfed + other food or drink	947	492	358	283	263	2343
Not breastfed	185	23	42	29	16	295
<b>Total Live Births</b>	<b>1532</b>	<b>914</b>	<b>482</b>	<b>436</b>	<b>286</b>	<b>3650</b>

Maternal Units	Makario	Limassol	Larnaka	Pafos	Ammochostos	2013
Breastfed exclusively	26,1%	43,7%	17,0%	28,4%	2,4%	27,7%
Breastfed + other food or drink	61,8%	53,8%	74,3%	64,9%	92,0%	64,2%
Not breastfed	12,1%	2,5%	8,7%	6,7%	5,6%	8,1%
<b>Total Live Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

Denominator: Live births for the year 201

**Graph 20b: Percentage of live births by mode of breastfeeding during the first 48 hrs by maternal unit\_ Public Maternity Units 2007-2013**


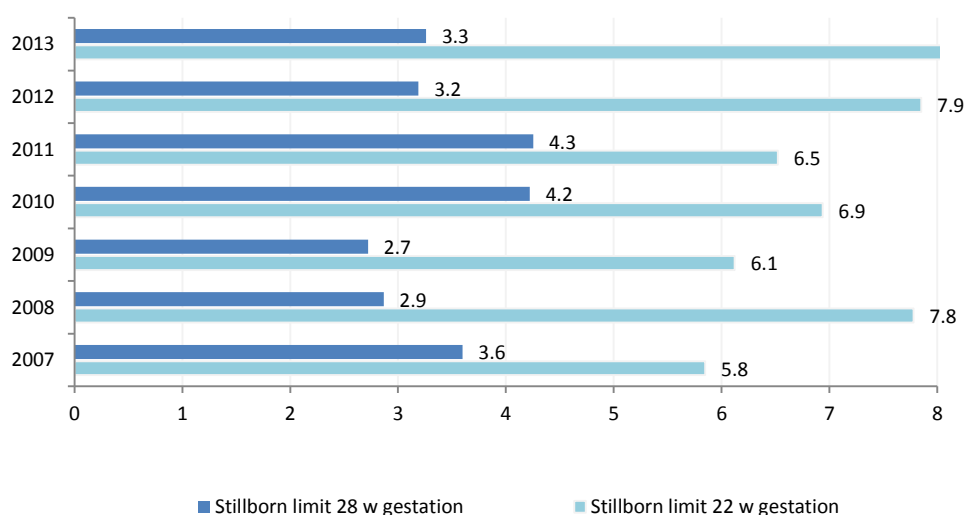


## Babies' health

**Table 21: Fetal Mortality per 1000 total births\_ Public Maternity Units 2007-2013**

Vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
Liveborn	2210	2423	2922	3293	3504	4044	3650	22046
Stillborn limit 22 w gestation	13	19	18	23	23	32	31	159
<b>Total Births</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>
Stillborn limit 28 w gestation	8	7	8	14	15	13	12	77

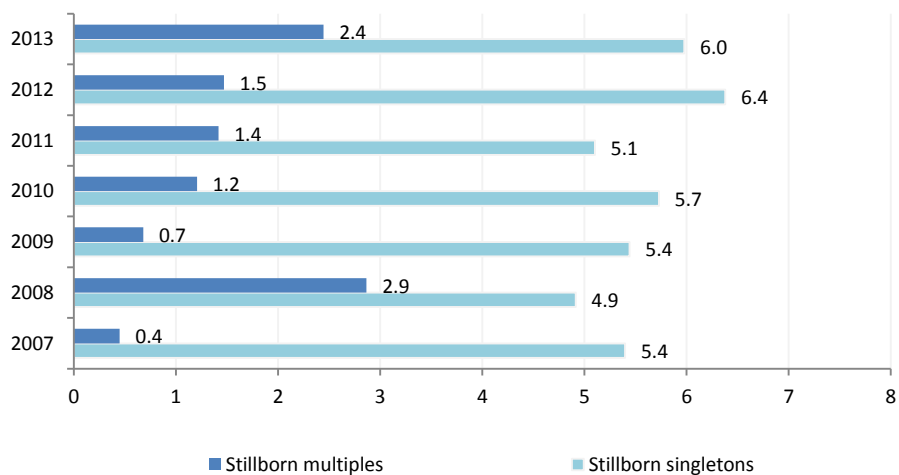
Vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
Liveborn	994,2	992,2	993,9	993,1	993,5	992,1	991,6	992,8
Stillborn limit 22 w gestation	5,8	7,8	6,1	6,9	6,5	7,9	8,4	7,2
<b>Per 1000 total Births</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>
Stillborn limit 28 w gestation	3,6	2,9	2,7	4,2	4,3	3,2	3,3	3,5

**Graph 21: Fetal Mortality per 1000 total births\_ Public Maternity Units 2007-2013**


**Table 22: Fetal Mortality per 1000 singleton and multiple births\_ Public Maternity Units 2007-2013**

Vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
Liveborn	2210	2423	2922	3293	3504	4044	3650	22046
Stillborn singletons	12	12	16	19	18	26	22	125
Stillborn multiples	1	7	2	4	5	6	9	34
Total Births	2223	2442	2940	3316	3527	4076	3681	22205

Vital status	2007	2008	2009	2010	2011	2012	2013	2007-2013
Liveborn	994,2	992,2	993,9	993,1	993,5	992,1	991,6	992,8
Stillborn singletons	5,4	4,9	5,4	5,7	5,1	6,4	6,0	5,6
Stillborn multiples	0,4	2,9	0,7	1,2	1,4	1,5	2,4	1,5
Per 1000 total Births	1000	1000	1000	1000	1000	1000	1000	1000

**Graph 22: Fetal Mortality per 1000 singleton and multiple births\_ Public Maternity Units 2007-2013**


**Table 23a: Total births by gestational age by vital status\_ Public Maternity Units  
2007-2013**

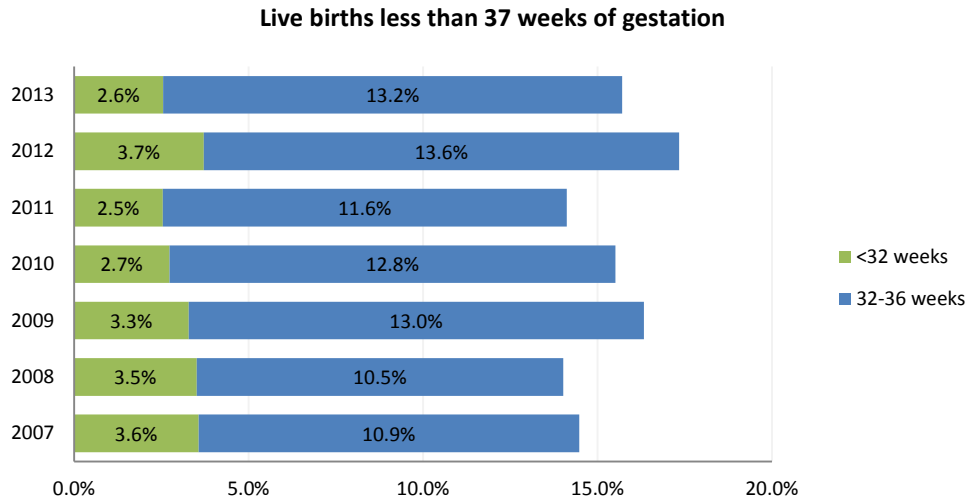
Vital status by gestational age	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Total Births</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>
<b>Liveborn</b>	<b>2210</b>	<b>2423</b>	<b>2922</b>	<b>3293</b>	<b>3504</b>	<b>4044</b>	<b>3650</b>	<b>22046</b>
<32 weeks	79	85	96	90	89	150	93	682
32-36 weeks	241	254	381	420	405	549	479	2729
37 weeks or more	1890	2078	2444	2776	3004	3331	3068	18591
Not stated	0	6	1	7	6	14	10	44
<b>Stillborn</b>	<b>13</b>	<b>19</b>	<b>18</b>	<b>23</b>	<b>23</b>	<b>32</b>	<b>31</b>	<b>159</b>
<32 weeks	7	17	11	15	12	24	23	109
32-36 weeks	3	2	4	3	8	3	6	29
37 weeks or more	3	0	3	5	3	5	2	21
Not stated	0	0	0	0	0	0	0	0

Vital status by gestational age*	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Total births</b>								
<b>Liveborn</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
<32 weeks	3,6%	3,5%	3,3%	2,7%	2,5%	3,7%	2,6%	3,1%
32-36 weeks	10,9%	10,5%	13,0%	12,8%	11,6%	13,6%	13,2%	12,4%
37 weeks or more	85,5%	86,0%	83,7%	84,5%	85,9%	82,7%	84,3%	84,5%
<b>Stillborn</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
<32 weeks	53,8%	89,5%	61,1%	65,2%	52,2%	75,0%	74,2%	68,6%
32-36 weeks	23,1%	10,5%	22,2%	13,0%	34,8%	9,4%	19,4%	18,2%
37 weeks or more	23,1%	0,0%	16,7%	21,7%	13,0%	15,6%	6,5%	13,2%

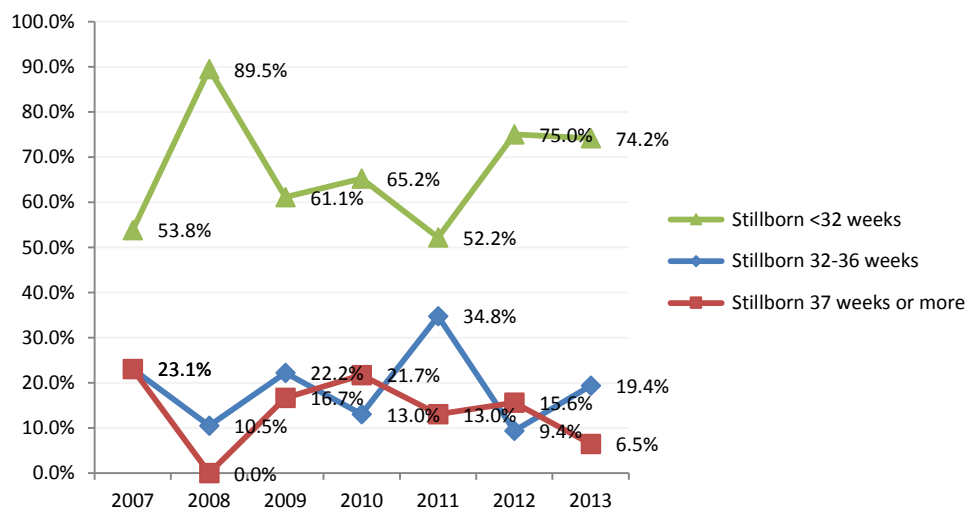
Gestational age	2007	2008	2009	2010	2011	2012	2013	2007-2013
All births <32 weeks	3,9%	4,2%	3,6%	3,2%	2,9%	4,3%	3,2%	3,6%
All births 32-36 weeks	11,0%	10,5%	13,1%	12,8%	11,7%	13,6%	13,2%	12,4%
All births <=37 weeks	85,2%	85,3%	83,3%	84,0%	85,4%	82,1%	83,6%	84,0%
<b>Total births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 23a(i): Percentage of live births less than 37 weeks of gestational age \_ Public Maternity Units 2007-2013**



**Graph 23a(ii): Fetal death rate by gestational age \_ Public Maternity Units 2007-2013**

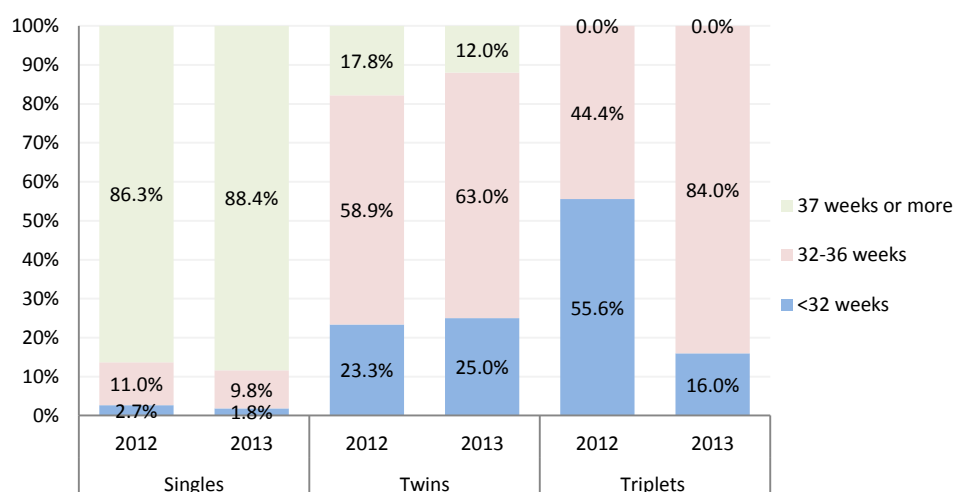


**Table 23b: Total births by gestational age by plurality \_ Public Maternity Units for the years 2012 and 2013**

Gestational age by plurality	Singles	Twins	Triplets or more	2012 & 2013
<b>Total Births</b>	<b>7298</b>	<b>379</b>	<b>79</b>	<b>7756</b>
<b>2012</b>	<b>3842</b>	<b>180</b>	<b>54</b>	<b>4076</b>
<32 weeks	102	42	30	174
32-36 weeks	422	106	24	552
37 weeks or more	3304	32	0	3336
Not stated	14	0	0	14
<b>2013</b>	<b>3456</b>	<b>200</b>	<b>25</b>	<b>3681</b>
<32 weeks	62	50	4	116
32-36 weeks	338	126	21	485
37 weeks or more	3046	24	0	3070
Not stated	10	0	0	10

Gestational age by plurality*	Singles	Twins	Triplets or more	2012 & 2013
<b>Total Births</b>				
<b>2012</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
<32 weeks	2,7%	23,3%	55,6%	4,3%
32-36 weeks	11,0%	58,9%	44,4%	13,6%
37 weeks or more	86,3%	17,8%	0,0%	82,1%
<b>2013</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
<32 weeks	1,8%	25,0%	16,0%	3,2%
32-36 weeks	9,8%	63,3%	84,0%	13,2%
37 weeks or more	88,4%	12,0%	0,0%	83,6%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 23b: Percentage of total births by gestational age by plurality \_ Public Maternity Units for the years 2012 and 2013**


**Table 24a: Total births by birthweight by vital status\_ Public Maternity Units  
2007-2013**

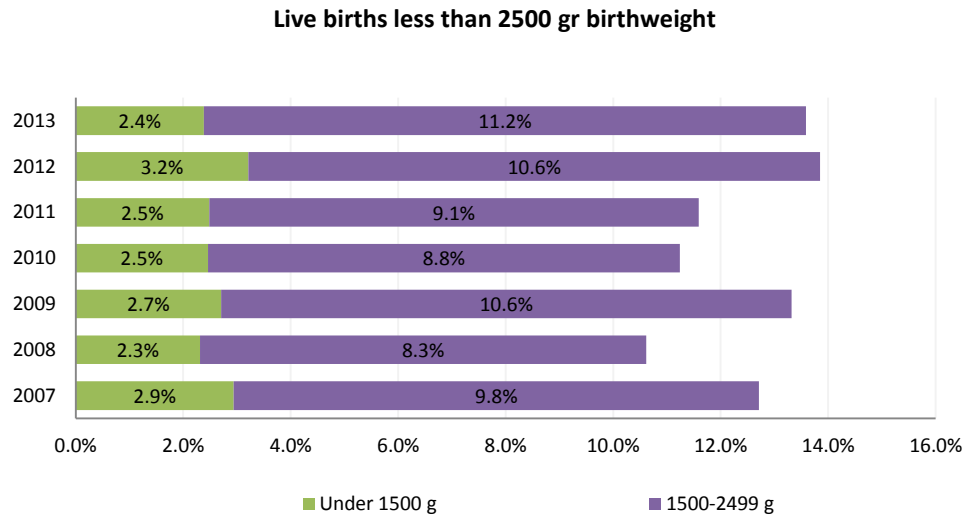
Vital status by birthweight	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Total Births</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>
<b>Liveborn</b>	<b>2210</b>	<b>2423</b>	<b>2922</b>	<b>3293</b>	<b>3504</b>	<b>4044</b>	<b>3650</b>	<b>22046</b>
Under 1500 g	65	56	79	81	87	130	87	585
1500-2499 g	216	201	310	289	319	430	409	2174
2500 g or more	1929	2164	2532	2922	3097	3483	3154	19281
Not stated	0	2	1	1	1	1	0	6
<b>Stillborn</b>	<b>13</b>	<b>19</b>	<b>18</b>	<b>23</b>	<b>23</b>	<b>32</b>	<b>31</b>	<b>159</b>
Under 1500 g	8	16	12	14	12	24	23	109
1500-2499 g	1	2	3	3	8	1	2	20
2500 g or more	4	0	3	6	3	7	4	27
Not stated	0	1	0	0	0	0	2	3

Vital status by birthweight	2007	2008	2009	2010	2011	2012	2013	2007-2013
<b>Total Births</b>								
<b>Liveborn</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	2,9%	2,3%	2,7%	2,5%	2,5%	3,2%	2,4%	2,7%
1500-2499 g	9,8%	8,3%	10,6%	8,8%	9,1%	10,6%	11,2%	9,9%
2500 g or more	87,3%	89,4%	86,7%	88,8%	88,4%	86,1%	86,4%	87,5%
<b>Stillborn</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	61,5%	88,9%	66,7%	60,9%	52,2%	75,0%	79,3%	70,1%
1500-2499 g	7,7%	11,1%	16,7%	13,0%	34,8%	3,1%	6,9%	12,8%
2500 g or more	30,8%	0,0%	16,7%	26,1%	13,0%	21,9%	13,8%	17,2%

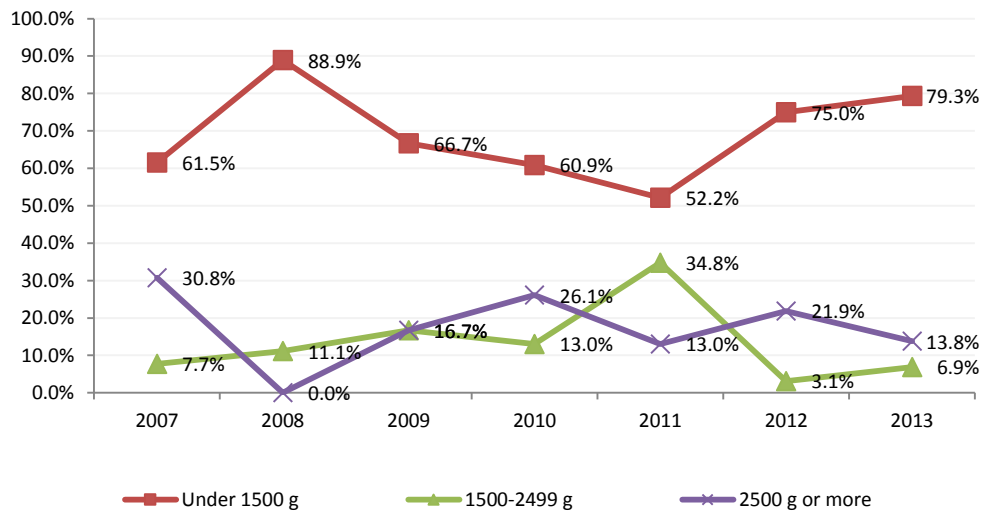
Birthweight	2007	2008	2009	2010	2011	2012	2013	2007-2013
All births under 1500 g	3,3%	3,0%	3,1%	2,9%	2,8%	3,8%	3,0%	3,1%
All births 1500-2499 g	9,8%	8,3%	10,6%	8,8%	9,3%	10,6%	11,2%	9,9%
All births <=2500 g	87,0%	88,7%	86,3%	88,3%	87,9%	85,6%	85,8%	87,0%
<b>Total births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 24a(i): Percentage of live births less than 2500 gr birthweight \_ Public Maternity Units 2007-2013**



**Graph 24a(ii): Fetal death rate by birthweight \_ Public Maternity Units 2007-2013**

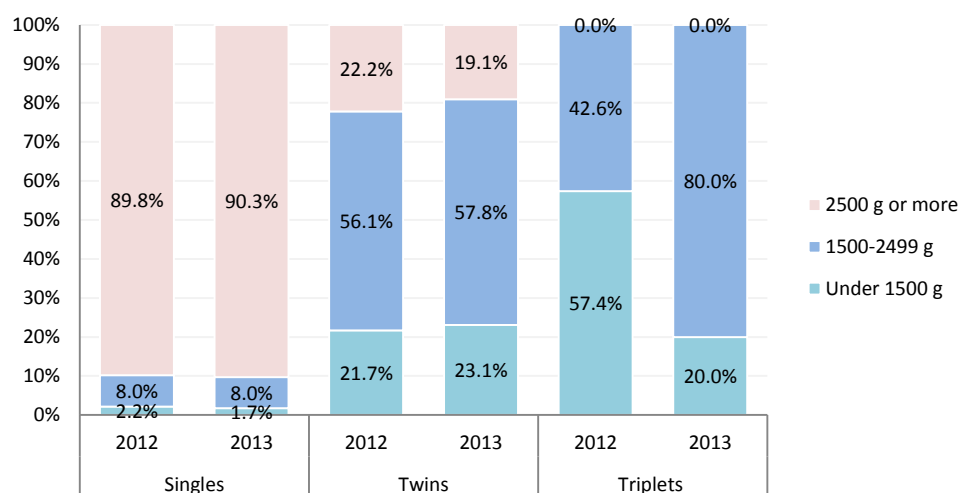


**Table 24b: Total births by birthweight by plurality \_ Public Maternity Units for the years 2012-2013**

Birthweight by plurality	Singles	Twins	Triplets or more	2012 & 2013
<b>Total Births</b>	<b>7298</b>	<b>380</b>	<b>79</b>	<b>7757</b>
<b>2012</b>	<b>3842</b>	<b>180</b>	<b>54</b>	<b>4076</b>
Under 1500 g	84	39	31	154
1500-2499 g	307	101	23	431
2500 g or more	3450	40	0	3490
Not stated	1	0	0	1
<b>2013</b>	<b>3456</b>	<b>200</b>	<b>25</b>	<b>3681</b>
Under 1500 g	59	46	5	110
1500-2499 g	276	115	20	411
2500 g or more	3120	38	0	3158
Not stated	1	1	0	2

Birthweight by plurality*	Singles	Twins	Triplets or more	2012 & 2013
<b>Total births</b>				
<b>2012</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	2,2%	21,7%	57,4%	3,8%
1500-2499 g	8,0%	56,1%	42,6%	10,6%
2500 g or more	89,8%	22,2%	0,0%	85,6%
<b>2013</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	1,7%	23,1%	20,0%	3,0%
1500-2499 g	8,0%	57,8%	80,0%	11,2%
2500 g or more	90,3%	19,1%	0,0%	85,8%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 24b: Percentage of total births by birthweight by plurality \_ Public Maternity Units for the years 2012-2013**


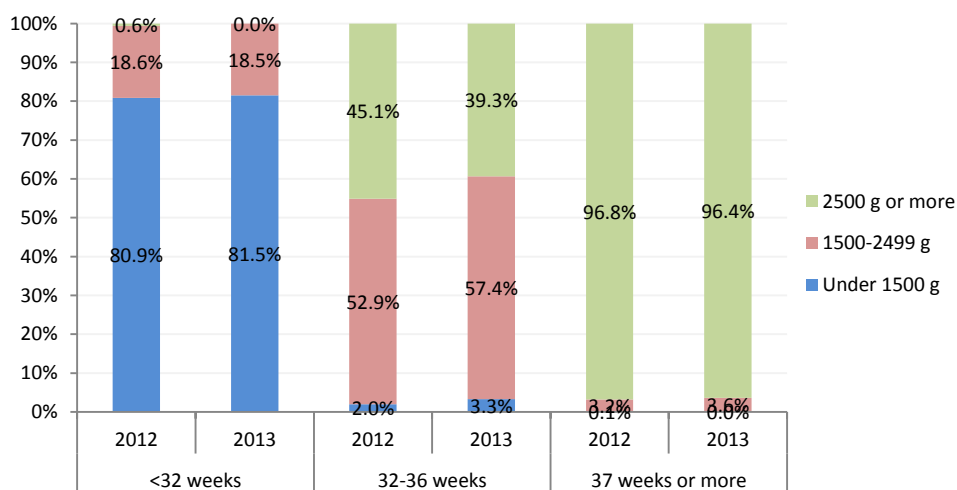


**Table 25: Distribution of birthweight by gestational age\_ Public Maternity Units for the years 2012-2013**

Birthweight by Gestational Age	<32 weeks	32-36 weeks	37 weeks or more	Not stated	2012 & 2013
<b>Total Births</b>	<b>289</b>	<b>1037</b>	<b>6406</b>	<b>24</b>	<b>7756</b>
<b>2012</b>	<b>174</b>	<b>552</b>	<b>3336</b>	<b>14</b>	<b>4076</b>
Under 1500 g	140	11	3	0	154
1500-2499 g	32	292	105	2	431
2500 g or more	1	249	3228	12	3490
Not stated	1	0	0	0	1
<b>2013</b>	<b>116</b>	<b>485</b>	<b>3070</b>	<b>10</b>	<b>3681</b>
Under 1500 g	93	16	1	0	110
1500-2499 g	21	278	110	2	411
2500 g or more	0	191	2959	8	3158
Not stated	2	0	0	0	2

Birthweight by Gestational Age*	<32 weeks	32-36 weeks	37 weeks or more	2012 & 2013
<b>Total births</b>				
<b>2012</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	80,9%	2,0%	0,1%	3,8%
1500-2499 g	18,6%	52,9%	3,2%	10,6%
2500 g or more	0,6%	45,1%	96,8%	85,6%
<b>2013</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>
Under 1500 g	81,5%	3,3%	0,0%	3,0%
1500-2499 g	18,5%	57,4%	3,6%	11,2%
2500 g or more	0,0%	39,3%	96,4%	85,8%

\* "Not stated" cases are distributed in each category by a weighting factor

**Graph 25: Percentage distribution of birthweight by gestational age\_ Public Maternity Units for the years 2012-2013**


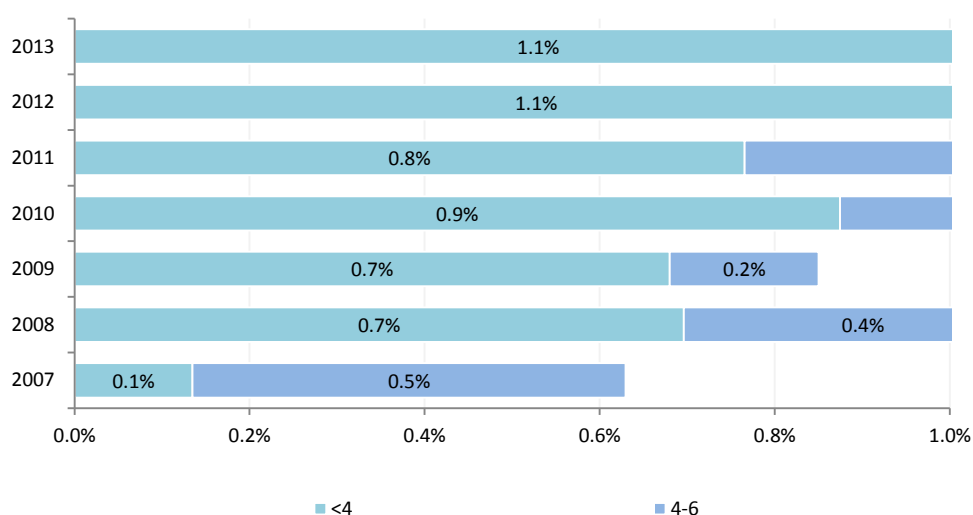
**Table 26: Live births by Apgar score at 5 minutes\_ Public Maternity Units 2007-2013**

Apgar score 5 min	2007	2008	2009	2010	2011	2012	2013	2007-2013
<4	3	17	20	29	27	43	39	178
4-6	11	10	5	15	17	19	14	91
>6	2171	2389	2857	3239	3426	3940	3580	21602
Not applicable*	38	26	58	33	57	74	48	334
<b>Live Births</b>	<b>2223</b>	<b>2442</b>	<b>2940</b>	<b>3316</b>	<b>3527</b>	<b>4076</b>	<b>3681</b>	<b>22205</b>

Apgar score 5 min	2007	2008	2009	2010	2011	2012	2013	2007-2013
<4	0,1%	0,7%	0,7%	0,9%	0,8%	1,1%	1,1%	0,8%
4-6	0,5%	0,4%	0,2%	0,5%	0,5%	0,5%	0,4%	0,4%
>6	97,7%	97,8%	97,2%	97,7%	97,1%	96,7%	97,3%	97,3%
Not applicable	1,7%	1,1%	2,0%	1,0%	1,6%	1,8%	1,3%	1,5%
<b>Live Births</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>	<b>100,0%</b>

**Denominator:** Live births

\* "Not applicable" cases represent births that either occurred at home or in the road or cases where infant is intubated

**Graph 26: Percentage of live births by Apgar score at 5 minutes\_ Public Maternity Units 2007-2013**


**Table 27: Fetal, neonatal and infant mortality rates\_Total Cyprus 2004-2013**

Fetal, neonatal and infant deaths*	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Fetal (deadborn fetus of 22 or more completed wks of gestation)</b>	-	-	-	-	-	-	-	34	42	42
Early neonatal (0-6 days)	10	24	15	9	18	11	18	13	24	5
Late neonatal (7-27 days)	3	4	4	5	4	7	2	3	4	3
Post neonatal (28-365 days)	16	11	8	13	10	14	8	10	7	7
<b>Infant deaths (&lt;1 yr) (0-365 days)</b>	<b>29</b>	<b>39</b>	<b>27</b>	<b>27</b>	<b>32</b>	<b>32</b>	<b>28</b>	<b>26</b>	<b>35</b>	<b>15</b>

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Live births Cyprus**</b>	<b>8309</b>	<b>8243</b>	<b>8731</b>	<b>8575</b>	<b>9205</b>	<b>9608</b>	<b>9801</b>	<b>9622</b>	<b>10161</b>	<b>9341</b>
Total births Cyprus (Live + Stillbirths)	-	-	-	-	-	-	-	9656	10203	9383
<b>Fetal mortality rate per 1000 total births</b>								3,5	4,1	4,5
Early neonatal mortality rate per 1000 live births	1,2	2,9	1,7	1,0	2,0	1,1	1,8	1,4	2,4	0,5
Late neonatal mortality rate per 1000 live births	0,4	0,5	0,5	0,6	0,4	0,7	0,2	0,3	0,4	0,3
Post neonatal mortality rate per 1000 live births	1,9	1,3	0,9	1,5	1,1	1,5	0,8	1,0	0,7	0,7
<b>Infant mortality rate per 1000 live births</b>	<b>3,5</b>	<b>4,7</b>	<b>3,1</b>	<b>3,1</b>	<b>3,5</b>	<b>3,3</b>	<b>2,9</b>	<b>2,7</b>	<b>3,4</b>	<b>1,6</b>

\* Source: Death Registry 2004-2013, Health Monitoring Unit, Ministry

\*\* Source: Demographic Report 2013, Statistical Service of

**Graph 27: Fetal mortality rates per 1000 total births, and neonatal and infant mortality rates per 1000 live births\_Total Cyprus 2004-2013**

