

CYPRUS PUBLIC MATERNITY UNITS

PERINATAL HEALTH INDICATORS FOR THE YEARS 2007-2012

HEALTH MONITORING UNIT

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Glossary

In this report:

Total births: is the number of live births plus the number of stillbirths in a given year or period of time

Distribution of parity: parity is defined as the number of previous total live births and stillbirths (0, 1, 2, or 3+ births) of women with live births and stillbirths (Euro-Peristat Indicator Definitions, p-61)

Distribution of timing of first antenatal visit: distribution of timing of the first antenatal visit by trimester of pregnancy for all women with liveborn or stillborn babies. Trimesters are defined as follows: the first trimester is the period up to 14 weeks, the second trimester 15 - 27 weeks, and the third from 28 weeks to delivery (Euro-Peristat Indicator Definitions, p-87)

Mode of onset of labour: is described by the numbers of babies (per 100 live births and stillbirths) born after spontaneous onset of labour, induced labour, and caesarean section, either planned or undertaken before labour. (Euro-Peristat Indicator Definitions, p-90)

Mode of delivery: was defined as the percentage distribution of all births, live born and stillborn, by method of delivery for all women (Euro-Peristat Indicator Definitions, p-77)

Breast feeding during the first 48 hours after birth: babies breast fed in the first 48 hours after birth are defined as: (i) the number of newborn babies who are exclusively breast fed (baby receives milk and is allowed to receive drops and syrups) or (ii) the number or the number of newborn babies who receive mixed food (baby receives breast milk and is allowed any food or liquid including non-human milk) or it can be defined as its opposite (iii) the number of newborns who are not breast fed throughout the first 48 hours of age as a percentage of all newborn babies (Euro-Peristat Indicator Definitions, p-103)

Fetal mortality rate: is defined as the number of fetal deaths at or after 22 completed weeks of gestation in a given year, expressed per 1000 live births and stillbirths that same year (Euro-Peristat Indicator Definitions, p-127)

Neonatal mortality rate: is defined as the number of deaths during the neonatal period (up to 28 completed days after birth) 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, p-134)

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, p-141)

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 2007-2012. 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)

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 (table and graph 1).
- The absolute number of live births in Public Hospitals has risen steadily during the period 2007-2012 (table 2 and graph 2a).
- The number of twin births per 1000 women has remained rather steady around 24, while the number of triplets has ranged between 1 and 6 (table and graph 3).

- The percentage of women with 2nd or higher order birth was higher than the one of women having their 1st child, for all years. However, in year 2012 the percentage of women having their 1st child increased almost to the level of those with previous births (table and graph 4).
- In year 2011, the percentage of women with age 35 or more that deliver triplets was higher, 33.3%, than the corresponding one for twins, 18,9% and singles, 15,1% (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 (table and graph 7b).
- The percentage of women who smoked during pregnancy shows an increase from 8.8% in 2007 to 14.9% in 2012 (table and graph 8).
- Most women begin antenatal care during the 1st trimester, with an average percentage during the years of about 60%. However, care begins in the 2nd or 3rd trimester for about 20% and 18%, 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 2007-2012, 2.4% 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 13a). 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 2012 (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 was rather steady for all periods, around 59% (table and graph 16e). Regarding 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, (64% and 36% respectively for the year 2012) (table and graph 16g). 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%.

- On average for the years 2007-2012, 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 2007-2012, more than 90% of babies received some breast milk during the first 48 hours after birth. The rate of exclusive breastfeeding in 2012 was 28.7% and the rate of mixed breastfeeding in the corresponding year 61.9%. The variance in the rates during the period 2007-2012 may be due to higher precision in data entry. The rate of not breastfed births has remained rather steady around 8.6% (table and graph 20a).
- The fetal deaths rate of pregnancies with gestational age less than 32 weeks has increased from 54% in 2007 to 75% in 2012 (table and graph 23a). Triplets and twins are more likely to be borned as preterms (less than 37 weeks) with percentages of 100% and 82%, respectively, for the year 2012 (table and graph 23b).
- The fetal deaths rate with birthweight under 1500 grams increased from 62% in 2007 to 75% in 2012 (table and graph 24a). Triplets and twins are more likely to be borned underweight (under 2500 grams) with percentages of 100% and 77.8%, respectively, for the year 2012 (table and graph 24b).
- The rates of live births with weight under 1500 grams shows a small decrease from 2.9% in 2007 to 3.2% in 2012. Same situation appears in the rates of live births with weight between 1500-2499 grams with a small decrease from 9.8% in 2007 to 10.6% in 2012 (table and graph 25a).
The rates of very preterm live births (< 32 weeks of gestation) have remained rather steady around 3%, while, the rates of moderately preterm live births (32-36 weeks of gestation) have increased in 2012 from 11% in 2007 to 13.6% (table and graph 25b).
- Apgar at 5 minutes with scores less than 7, for live births for the period 2007-2012, kept a low percentage of about 0.4% (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 and for the year 2012 is 4.1. Infant mortality rate per 1000 live births has increased from 2.7 in 2011 to 3.5 in 2012 (table and graph 27).

Live births and stillbirths

Table 1: Live births in the public and private sectors, 2007-2012

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

Year	2007	2008	2009	2010	2011	2012
Public Sector Live Births	25,8%	26,3%	30,4%	33,6%	36,4%	39,8%

* Source: Cyprus in figures 2013, Statistical Service of Cyprus

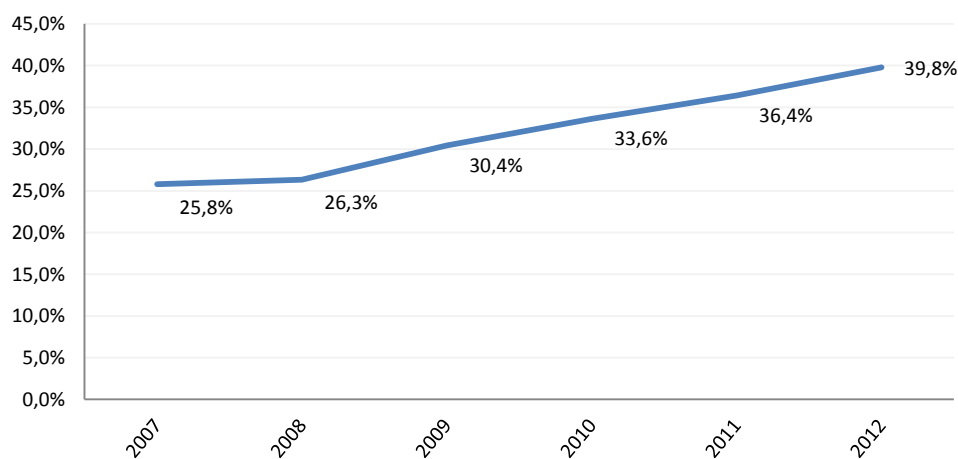
Graph 1: Live births in the public sector as a percentage of live births in Cyprus, 2007-2012


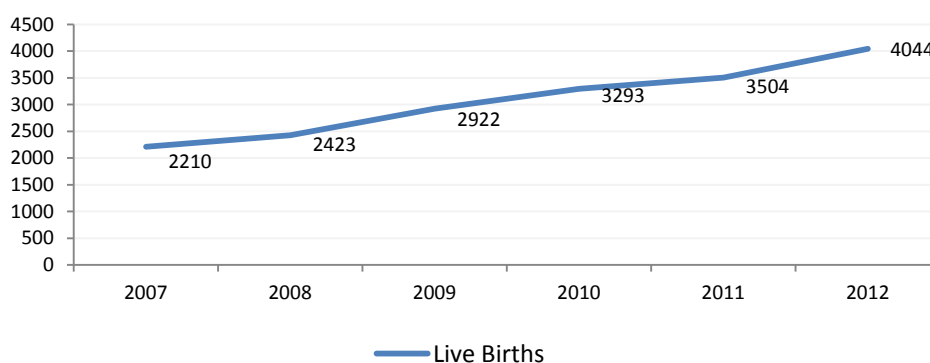
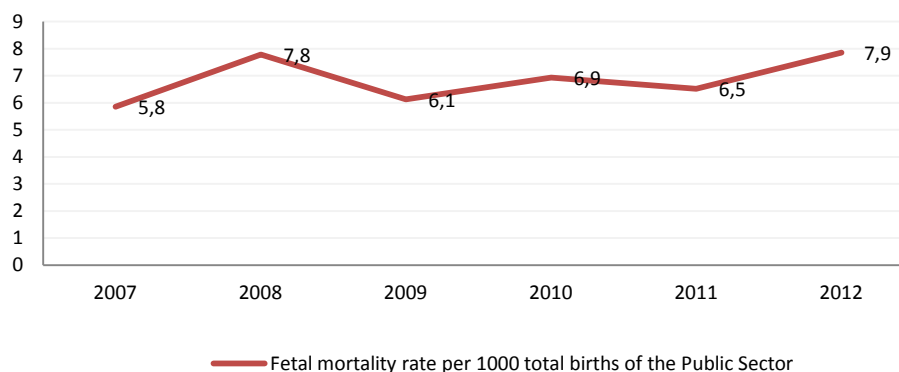
Table 2: Summary table of births_Public Maternity Units 2007-2012

Year	2007	2008	2009	2010	2011	2012	2007-2012
Live Births	2210	2423	2922	3293	3504	4044	18396
Stillbirths*	13	19	18	23	23	32	128
Total Births	2223	2442	2940	3316	3527	4076	22600
Total Women	2144	2377	2846	3216	3440	3950	17973

Year	2007	2008	2009	2010	2011	2012	2007-2012
Live Births	99,4%	99,2%	99,4%	99,3%	99,3%	99,2%	81,4%
Stillbirths	0,6%	0,8%	0,6%	0,7%	0,7%	0,8%	0,6%
Total Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	82,0%
Fetal mortality rate per 1000 total births of the Public Sector**	5,8	7,8	6,1	6,9	6,5	7,9	5,7

*"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 2007-2012

Graph 2b: Fetal mortality rate per 1000 total births_Public Maternity Units 2007-2012


Characteristics of childbearing women

Table 3: Multiple births per 1000 women with live or stillbirths, by number of fetuses_ Public Maternity Units 2007-2012

Plurality	2007	2008	2009	2010	2011	2012	2007-2012
Singles	2079	2319	2763	3125	3357	3842	17485
Twins	51	51	72	82	79	90	425
Triplets	14	7	11	9	4	18	63
Total Women	2144	2377	2846	3216	3440	3950	17973

Plurality	2007	2008	2009	2010	2011	2012	2007-2012
Singles	969,7	975,6	970,8	971,7	975,9	972,7	972,8
Twins	23,8	21,5	25,3	25,5	23,0	22,8	23,6
Triplets	6,5	2,9	3,9	2,8	1,2	4,6	3,5
Total Women	1000	1000	1000	1000	1000	1000	1000

Graph 3: Multiple births per 1000 women with live or stillbirths, by number of fetuses_ Public Maternity Units 2007-2012

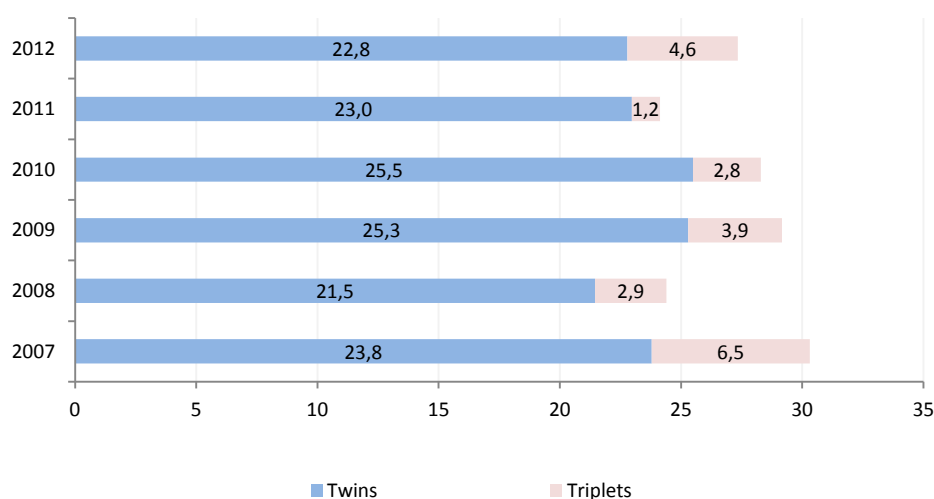


Table 4: Distribution of parity for women delivering live or stillbirths_ Public Maternity Units 2007-2012

Parity	2007	2008	2009	2010	2011	2012	2007-2012
1st baby (primipara)	876	1044	1289	1483	1585	1946	8223
2nd or 3rd birth	1073	1125	1337	1501	1588	1735	8359
4th or higher order births	195	204	217	231	266	269	1382
Not stated	0	4	3	1	1	0	9
Total Women	2144	2377	2846	3216	3440	3950	17973

Parity	2007	2008	2009	2010	2011	2012	2007-2012
1st baby (primipara)	40,9%	44,0%	45,3%	46,1%	46,1%	49,3%	45,8%
2nd or higher order births	59,1%	56,0%	54,7%	53,9%	53,9%	50,7%	54,2%
Total Women*	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

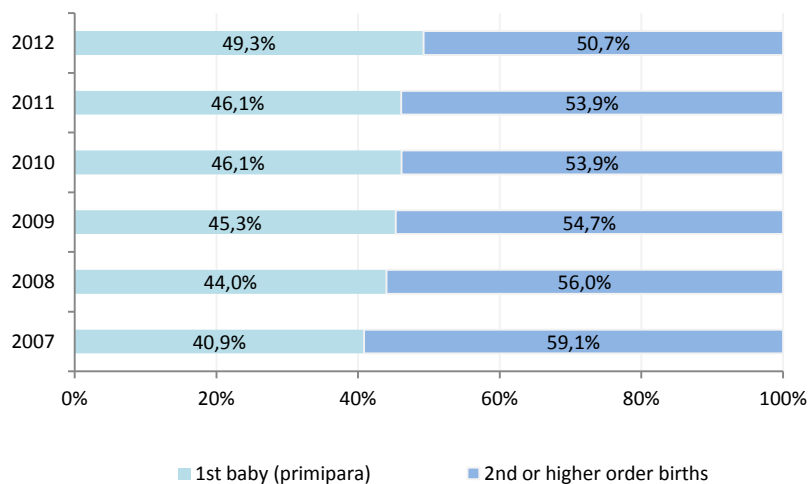
Graph 4: Percentage of distribution of parity for women delivering live or stillbirthswomen by parity_ Public Maternity Units 2007-2012


Table 5: Distribution of mother's education_ Public Maternity Units 2007-2012

Education*	2007	2008	2009	2010	2011	2012	2007-2012
Primary or none	124	162	148	140	174	158	906
Secondary (any)	1162	1192	1396	1627	1730	1980	9087
Postsecondary (any)	850	1018	1299	1447	1534	1811	7959
Not stated	8	5	3	2	2	1	21
Total Women	2144	2377	2846	3216	3440	3950	17973

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

"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

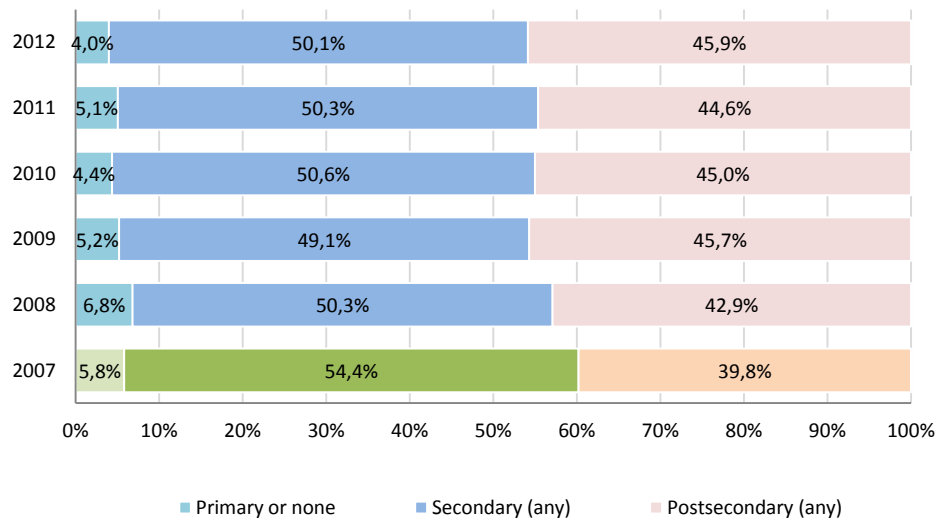
Graph 5: Percentage of distribution of mother's education_ Public Maternity Units 2007-2012


Table 6a: Age distribution of women delivering live or stillbirths_ Public Maternity Units 2007-2012

Age of Women	2007	2008	2009	2010	2011	2012	2007-2012
Less than 20	73	114	101	143	137	157	725
20-34	1770	1921	2300	2608	2799	3188	14586
35 or more	301	342	445	464	502	605	2659
Not stated	0	0	0	1	2	0	3
Total Women	2144	2377	2846	3216	3440	3950	17973

Age of Women	2007	2008	2009	2010	2011	2012	2007-2012
Less than 20	3,4%	4,8%	3,5%	4,4%	4,0%	4,0%	4,0%
20-34	82,6%	80,8%	80,8%	81,1%	81,4%	80,7%	81,2%
35 or more	14,0%	14,4%	15,6%	14,4%	14,6%	15,3%	14,8%
Total Women*	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

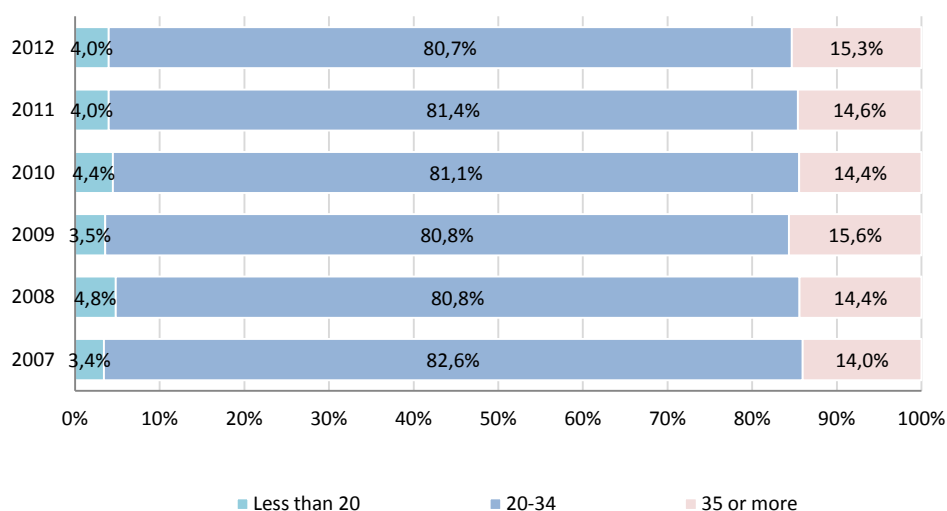
Graph 6a: Percentage of age distribution of women delivering live or stillbirths_ Public Maternity Units 2007-2012


Table 6b: Women by age and plurality_ Public Maternity Units 2012

Age of Women	Singles	Twins	Triplets	2012
Less than 20	154	3	0	157
20-34	3106	70	12	3188
35 or more	582	17	6	605
Total Women	3842	90	18	3950

Age of Women	Singles	Twins	Triplets	2012
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%
Total Women*	100,0%	100,0%	100,0%	100,0%

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

Graph 6b: Percentage of women by age and plurality_ Public Maternity Units 2012

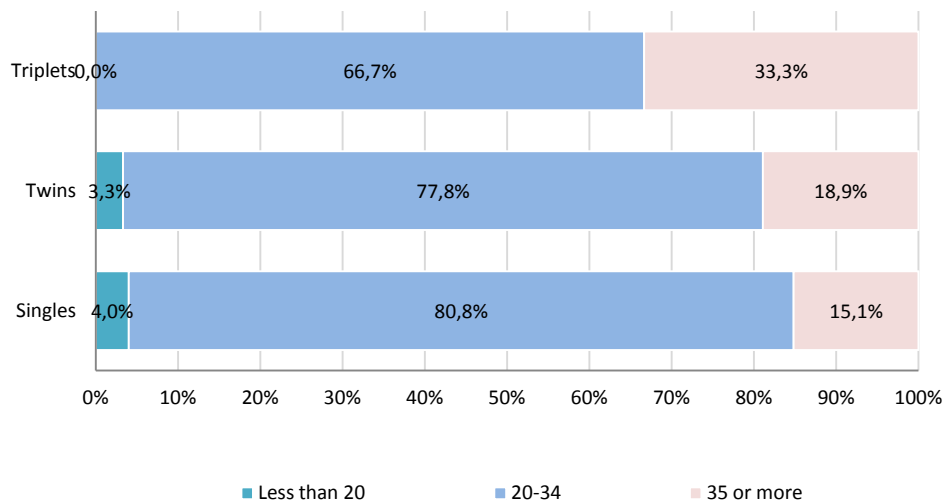


Table 7a: Women by area of residence_ Public Maternity Units 2007-2012

Area of Residence	2007	2008	2009	2010	2011	2012	2007-2012
Government controlled areas	2122	2350	2825	3204	3428	3935	17864
Other	22	22	21	11	12	14	102
Not stated	0	5	0	1	0	1	7
Total Women	2144	2377	2846	3216	3440	3950	17973

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

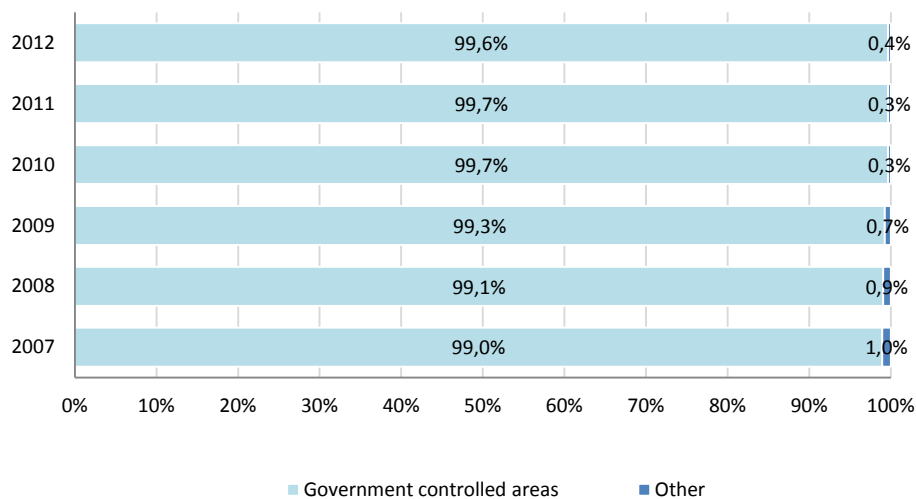
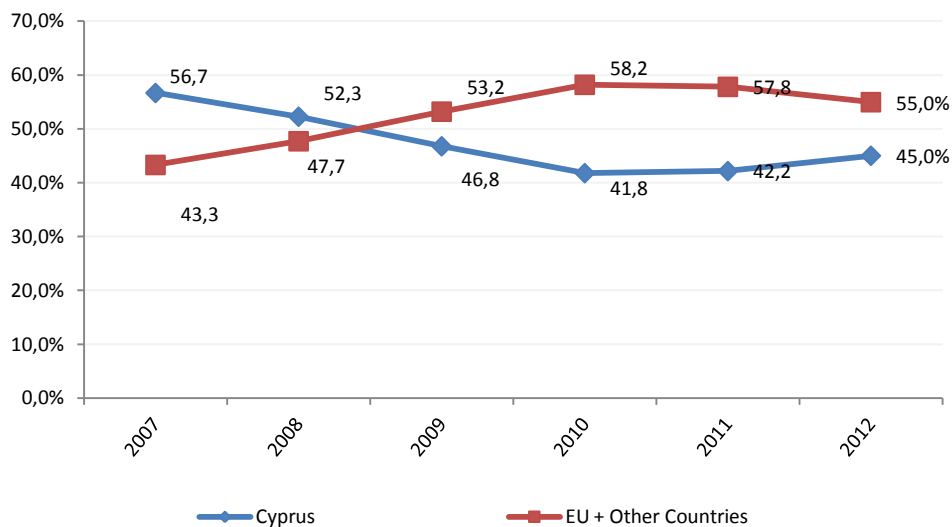
Graph 7a: Percentage of women by area of residence_ Public Maternity Units 2007-2012


Table 7b: Women by country of origin_ Public Maternity Units 2007-2012

Country of origin	2007	2008	2009	2010	2011	2012	2007-2012
Cyprus	1213	1241	1330	1344	1451	1778	8357
EU	272	438	678	893	1039	1248	4568
Other Countries	655	695	835	979	950	923	5037
Not stated	4	3	3	0	0	1	11
Total Women	2144	2377	2846	3216	3440	3950	17973

Country of origin	2007	2008	2009	2010	2011	2012	2007-2012
Cyprus	56,7%	52,3%	46,8%	41,8%	42,2%	45,0%	46,5%
EU + Other Countries	43,3%	47,7%	53,2%	58,2%	57,8%	55,0%	53,5%
Total Women*	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

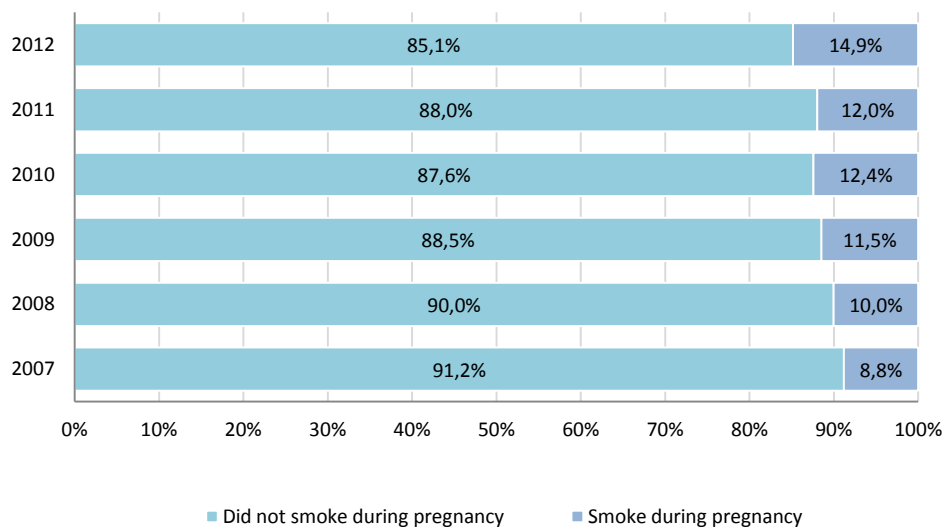
Graph 7b: Percentage of women by country of origin_ Public Maternity Units 2007-2012


**Table 8: Women by smoking history during pregnancy_ Public Maternity Units
2007-2012**

Smoking	2007	2008	2009	2010	2011	2012	2007-2012
Did not smoke during pregnancy	1955	2135	2517	2816	3027	3363	15813
Smoke during pregnancy	189	238	326	399	412	587	2151
Not stated	0	4	3	1	1	0	9
Total Women	2144	2377	2846	3216	3440	3950	17973

Smoking	2007	2008	2009	2010	2011	2012	2007-2012
Did not smoke during pregnancy	91,2%	90,0%	88,5%	87,6%	88,0%	85,1%	88,0%
Smoke during pregnancy	8,8%	10,0%	11,5%	12,4%	12,0%	14,9%	12,0%
Total Women*	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 8: Percentage of women by smoking history during pregnancy_ Public
Maternity Units 2007-2012**


The care of women and babies during pregnancy

Table 9a: Women who used psychoprophylaxis during pregnancy_ Public Maternity Units 2007-2012

Psychoprophylaxis*	2007	2008	2009	2010	2011	2012	2007-2012
Yes	794	1017	1217	1352	1473	1672	7523
No	1351	1354	1624	1862	1966	2278	10434
Not stated	0	7	6	2	1	0	16
Total Women	2144	2377	2846	3216	3440	3950	17973

Psychoprophylaxis	2007	2008	2009	2010	2011	2012	2007-2012
Yes	37,0%	42,9%	42,8%	42,1%	42,8%	42,3%	41,9%
No	63,0%	57,1%	57,2%	57,9%	57,2%	57,7%	58,1%
Total Women**	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

* "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 2007-2012

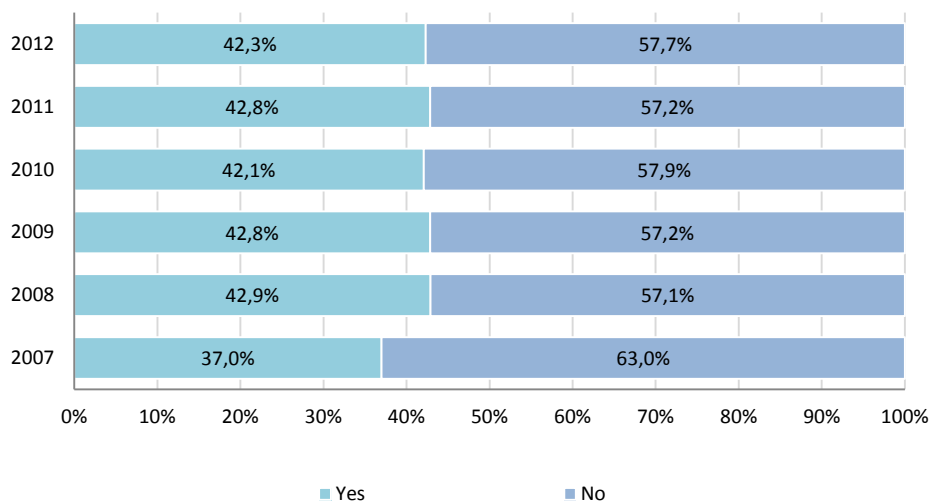


Table 9b: Women who used psychoprophylaxis during pregnancy, by education_ Public Maternity Units 2007-2012

Mother education	Psychoprophylaxis	2007	2008	2009	2010	2011	2012	2007-2012
Yes		794	1019	1219	1353	1473	1672	7530
	Primary or none	32	25	29	26	38	47	197
	Secondary (any)	337	436	503	572	643	772	3263
	Postsecondary (any)	424	559	687	755	792	853	4070
No		1351	1358	1627	1863	1967	2278	10443
	Primary or none	92	137	119	114	136	112	710
	Secondary (any)	829	761	894	1057	1088	1208	5837
	Postsecondary (any)	429	460	614	692	742	958	3896
Total Women		2144	2377	2846	3216	3440	3950	17973

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

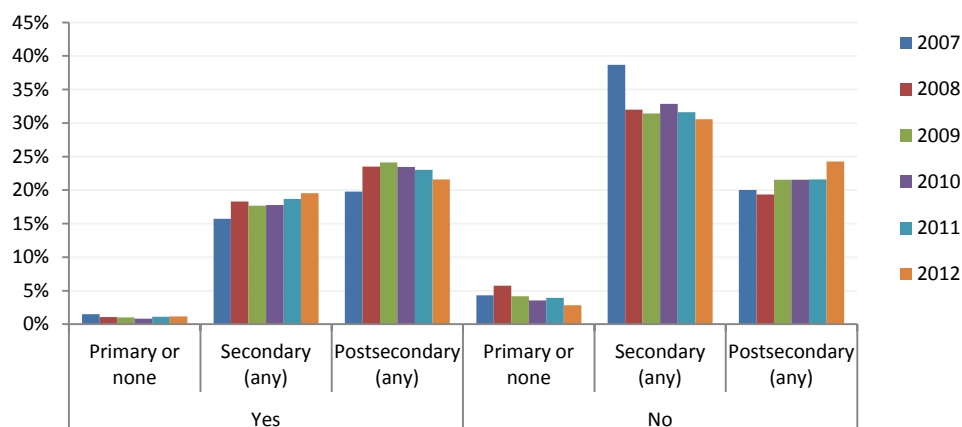
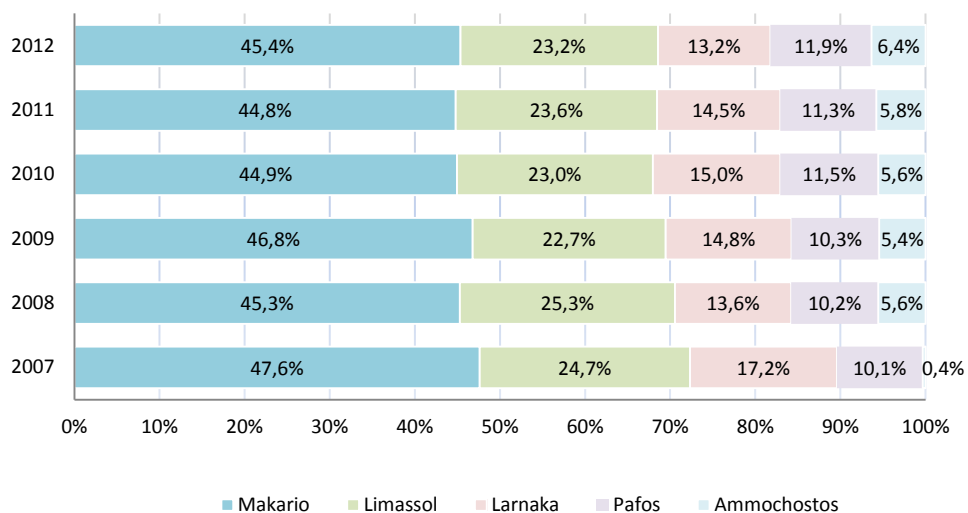
Graph 9b: Percentage of women who used psychoprophylaxis during pregnancy, by education_ Public Maternity Units 2007-2012


Table 10: Total births by maternity unit_ Public Maternity Units 2007-2012

Maternity Unit	2007	2008	2009	2010	2011	2012	2007-2012
Makario	1058	1106	1375	1490	1580	1849	8458
Limassol	550	617	667	763	834	945	4376
Larnaka	383	333	435	497	511	538	2697
Pafos	224	250	303	381	397	485	2040
Ammochostos*	8	136	160	185	205	259	953
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	18524

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

* 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 2007-2012


**Table 11a: Total births by number of deliveries in Unit _ Public Maternity Units
2007-2012**

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2007-2012
Less than 500 deliveries*	615	719	898	1063	602	744	3897
500 or more deliveries	1608	1723	2042	2253	2925	3332	10551
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	14448

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

*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.

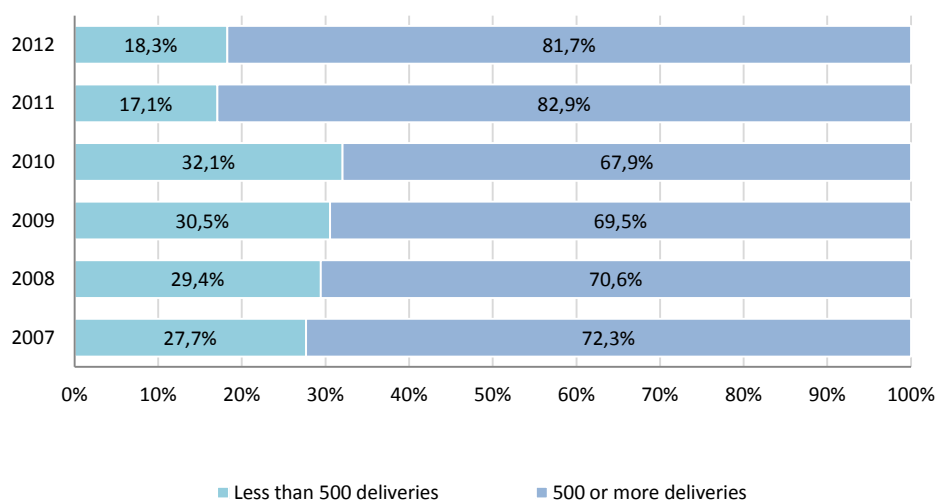
**Graph 11a: Percentage of total births by number of deliveries in Unit _ Public
Maternity Units 2007-2012**


Table 11b: Total births by place of birth_ Public Maternity Units 2007-2012

Annual Deliveries in Unit	2007	2008	2009	2010	2011	2012	2007-2012
at hospital	2218	2440	2935	3312	3518	4069	18492
at home	4	1	3	1	6	5	20
in the car	1	1	2	3	3	2	12
Total Births	2223	2442	2940	3316	3527	4076	18524

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

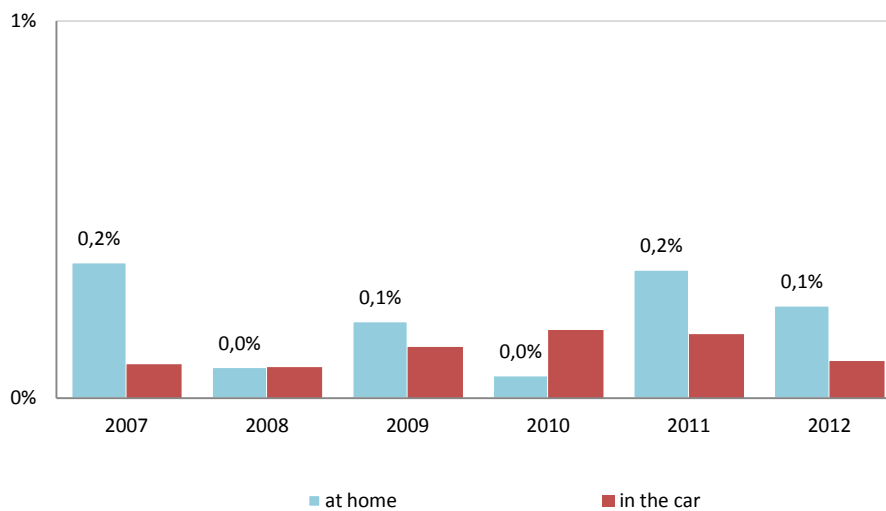
Graph 11b: Percentage of total births by place of birth_ Public Maternity Units 2007-2012


Table 12: Distribution of live and stillbirths by sex, 2007-2012

Sex	2007	2008	2009	2010	2011	2012	2007-2012
Male	1110	1259	1500	1712	1775	2114	9470
Female	1113	1182	1440	1604	1752	1962	9053
Not stated		1					1
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	18524

Sex	2007	2008	2009	2010	2011	2012	2007-2012
Male	49,9%	51,6%	51,0%	51,6%	50,3%	51,9%	51,1%
Female	50,1%	48,4%	49,0%	48,4%	49,7%	48,1%	48,9%
Total Births (Live + Stillborn)*	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

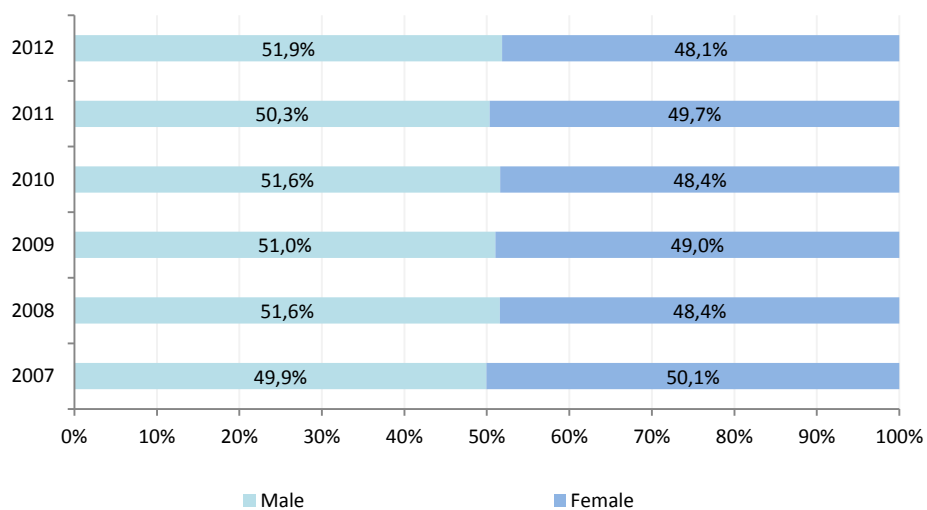
Graph 12: Percentage distribution of live and stillbirths by sex, 2007-2012


Table 13: Women by timing of first antenatal visit_ Public Maternity Units 2007-2012

First Antenatal Visit	2007	2008	2009	2010	2011	2012	2007-2012
1st trimester (<15 weeks)	1308	1392	1615	1872	2088	2385	10660
2nd trimester (15-27 weeks)	407	416	556	656	648	804	3487
3rd trimester (>28 weeks)	346	486	573	560	591	644	3200
No care given*	83	73	98	120	106	100	580
Not stated	0	10	4	8	7	17	46
Total Women	2144	2377	2846	3216	3440	3950	17973

First Antenatal Visit	2007	2008	2009	2010	2011	2012	2007-2012
1st trimester	61,0%	58,8%	56,8%	58,4%	60,8%	60,6%	59,5%
2nd trimester	19,0%	17,6%	19,6%	20,4%	18,9%	20,4%	19,5%
3rd trimester	16,1%	20,5%	20,2%	17,5%	17,2%	16,4%	17,9%
No care given	3,9%	3,1%	3,4%	3,7%	3,1%	2,5%	3,2%
Total Women**	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

* "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

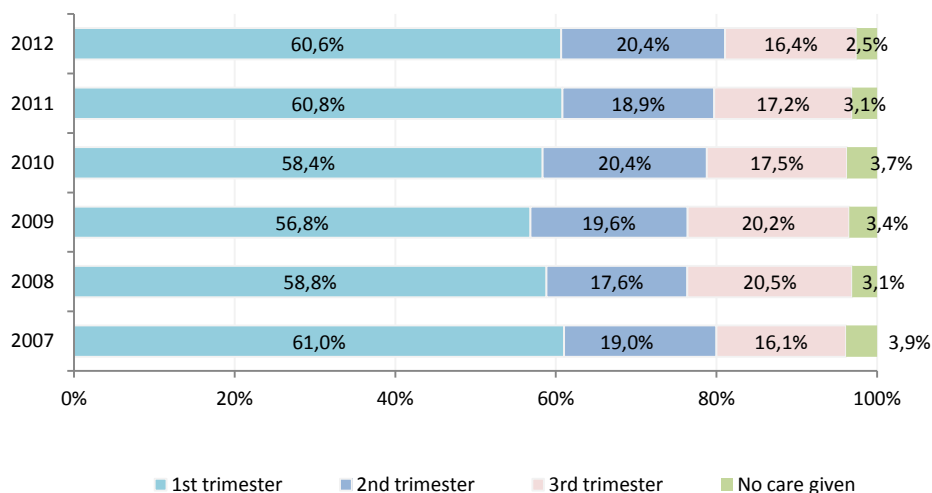
Graph 13: Percentage of women by timing of first antenatal visit_ Public Maternity Units 2007-2012


Table 14a: Women by mode of fertility treatment _ Public Maternity Units 2007-2012

Fertility treatment	2007	2008	2009	2010	2011	2012	2007-2012
None	2070	2327	2763	3150	3375	3865	17550
In vitro fertilization (IVF)	58	37	60	54	52	76	337
Intrauterine insemination	3	5	11	3	7	9	38
Ovulation induction	4	3	2	3	5	0	17
Unspecified treatment	9	1	7	5	0	0	22
Not stated	0	4	3	1	1	0	9
Total Women	2144	2377	2846	3216	3440	3950	17973

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

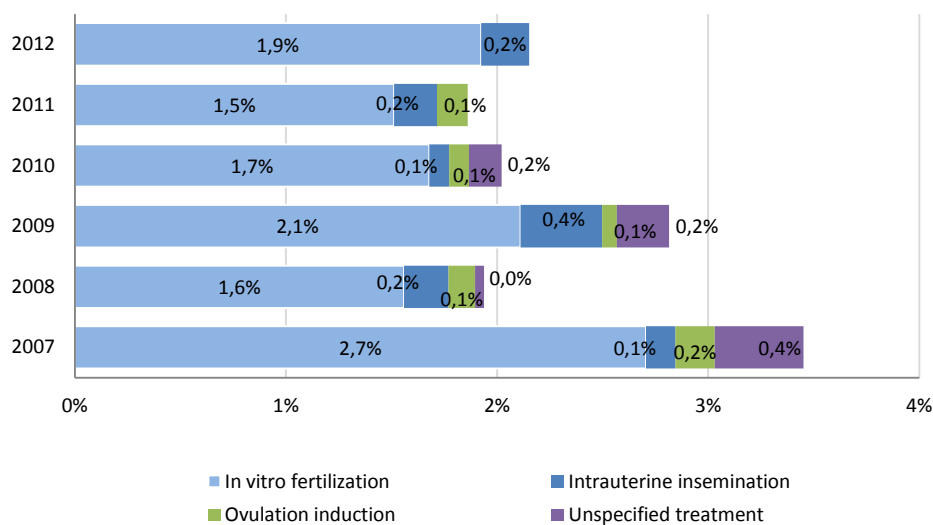
Graph 14a: Percentage of women by mode of fertility treatment _ Public Maternity Units 2007-2012


Table 14b: Total births with or without fertility treatment by plurality_ Public Maternity Units 2007-2012

Fertility treatment	Plurality	2007	2008	2009	2010	2011	2012	2007-2012
No Assisted fertilization		2100	2366	2811	3207	3431	3932	17847
	Singles	2040	2297	2722	3097	3322	3801	17279
	Twins	60	66	86	104	103	122	541
	Triplets	0	3	3	6	6	9	27
Assisted fertilization		123	76	129	109	96	144	677
	Singles	39	22	41	28	35	41	206
	Twins	42	36	58	60	55	58	309
	Triplets	42	18	30	21	6	45	162
Total Births		2223	2442	2940	3316	3527	4076	18524

Fertility treatment	Plurality	2007	2008	2009	2010	2011	2012	2007-2012
No Assisted fertilization	Singles	97,1%	97,1%	96,8%	96,6%	96,8%	96,7%	96,8%
	Multiples No Assisted	2,9%	2,9%	3,2%	3,4%	3,2%	3,3%	3,2%
Assisted fertilization	Singles	31,7%	29,0%	31,8%	25,7%	36,6%	28,5%	30,5%
	Multiples Assisted	68,3%	71,0%	68,2%	74,3%	63,4%	71,5%	69,5%

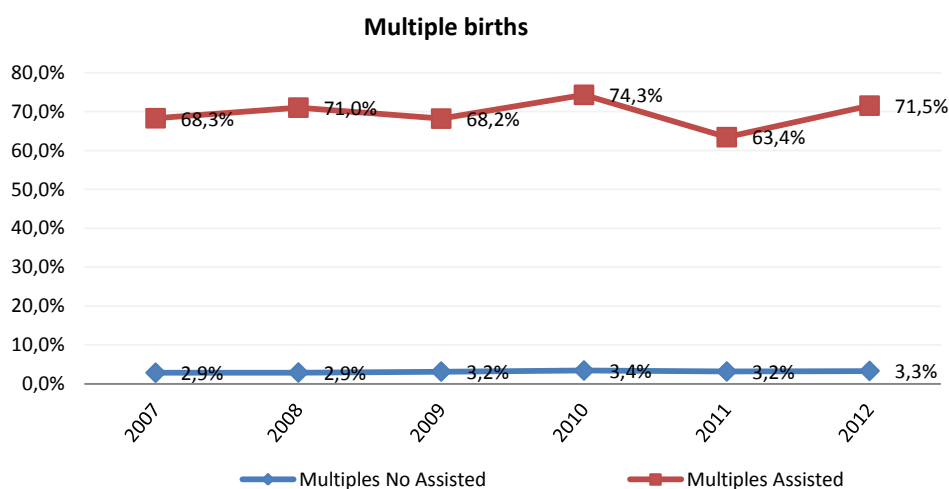
Graph 14b: Percentage of total births with or without fertility treatment by plurality_ Public Maternity Units 2007-2012


Table 14c: Total births with or without fertility treatment by birthweight _ Public Maternity Units 2007-2012

Fertility treatment	Birthweight	2007	2008	2009	2010	2011	2012	2007-2012
No Assisted fertilization		2100	2365	2810	3207	3432	3932	17845
	Under 1500 g	44	50	67	76	77	110	423
	1500-2499 g	159	169	241	235	284	371	1460
	2500 g or more	1897	2146	2502	2896	3071	3451	15962
Assisted fertilization		123	77	130	109	95	144	679
	Under 1500 g	29	22	24	19	22	44	161
	1500-2499 g	58	34	72	57	43	60	324
	2500 g or more	36	21	34	33	30	40	194
Total Births		2223	2442	2940	3316	3527	4076	18524

Births less than 2500 g	2007	2008	2009	2010	2011	2012	2007-2012
No Assisted fertilization	9,7%	9,3%	11,0%	9,7%	10,5%	12,2%	10,6%
Assisted fertilization	70,7%	72,8%	73,8%	69,8%	68,6%	72,2%	71,4%

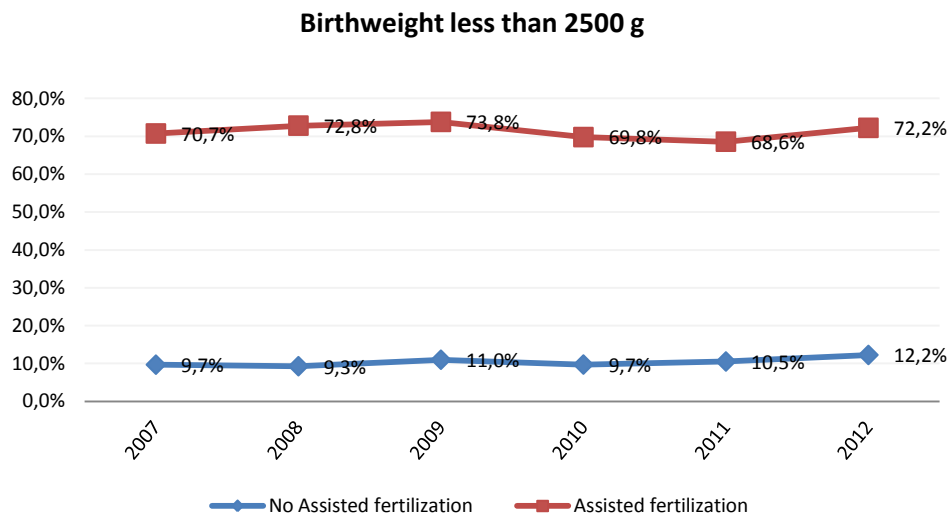
Graph 14c: Percentage of total births with or without fertility treatment by birthweight_ Public Maternity Units 2007-2012


Table 14d: Total births with or without fertility treatment by gestational age_ Public Maternity Units 2007-2012

Fertility treatment	Gestational age	2007	2008	2009	2010	2011	2012	2007-2012
No Assisted fertilization		2100	2364	2810	3207	3432	3932	17845
	<32 weeks	56	62	74	88	78	131	489
	32-36 weeks	188	241	320	359	361	483	1951
	37 weeks or more	1856	2062	2416	2760	2993	3318	15405
Assisted fertilization		123	78	130	109	95	144	679
	<32 weeks	30	41	33	17	23	43	187
	32-36 weeks	57	16	66	65	53	71	328
	37 weeks or more	36	21	31	27	19	30	164
Total Births		2223	2442	2940	3316	3527	4076	18524

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

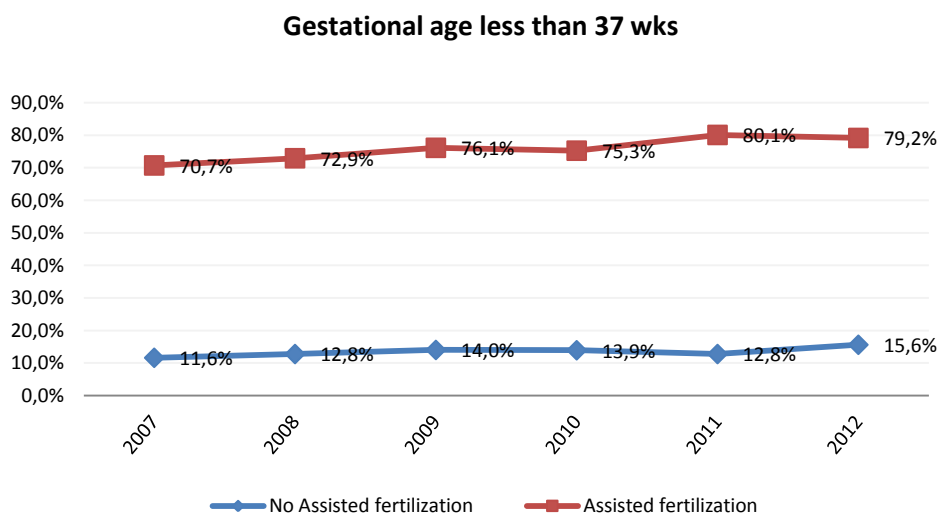
Graph 14d: Percentage of total births with or without fertility treatment by gestational age_ Public Maternity Units 2007-2012


Table 15: Total births by mode of onset_ Public Maternity Units 2007-2012

Mode of Onset	2007	2008	2009	2010	2011	2012	2007-2012
Spontaneous onset	1400	1544	1911	1983	2079	2252	11169
Caesarean before onset	449	410	419	813	929	1119	4139
Pharmacological induction	359	315	364	463	497	678	2676
Surgical induction	15	169	243	56	20	27	530
Not stated	0	4	3	1	2	0	10
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	18524

Mode of Onset	2007	2008	2009	2010	2011	2012	2007-2012
Spontaneous onset	63,0%	63,3%	65,1%	59,8%	59,0%	55,3%	60,3%
Caesarean before onset	20,2%	16,8%	14,3%	24,5%	26,4%	27,5%	22,4%
Pharmacological induction	16,1%	12,9%	12,4%	14,0%	14,1%	16,6%	14,5%
Surgical induction	0,7%	6,9%	8,3%	1,7%	0,6%	0,7%	2,9%
Total Births (Live + Stillborn)	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

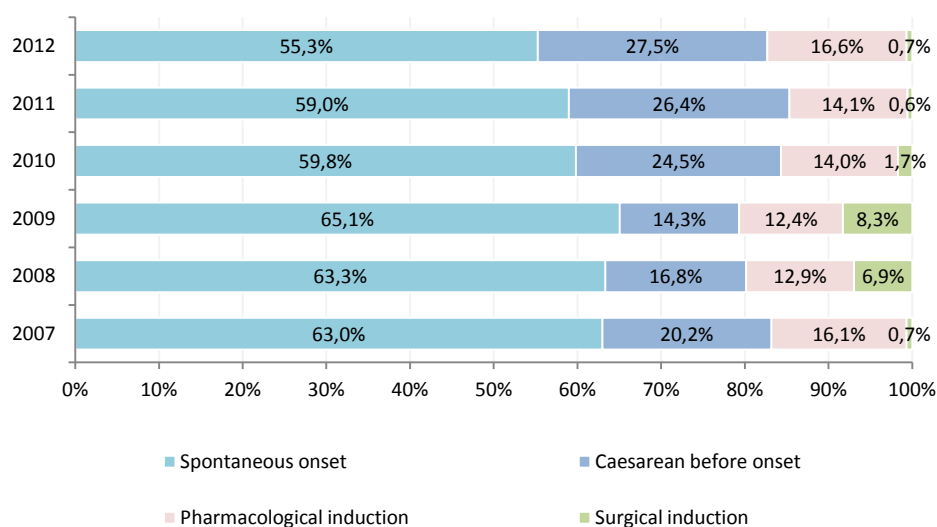
Graph 15: Percentage of total births by mode of onset_ Public Maternity Units 2007-2012


Table 16a: Total births by mode of delivery_ Public Maternity Units 2007-2012

Mode of Delivery	2007	2008	2009	2010	2011	2012	2007-2012
Caesarean (any)	758	861	1130	1390	1510	1852	7501
Normal (incl. vaginal instrumental)	1465	1577	1807	1924	2015	2224	11012
Not stated	0	4	3	2	2	0	11
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	18524

Mode of Delivery	2007	2008	2009	2010	2011	2012	2007-2012
Caesarean (any)	34,1%	35,3%	38,5%	41,9%	42,8%	45,4%	40,5%
Normal (incl. vaginal instrumental)	65,9%	64,7%	61,5%	58,1%	57,2%	54,6%	59,5%
Total Births (Live + Stillborn)*	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

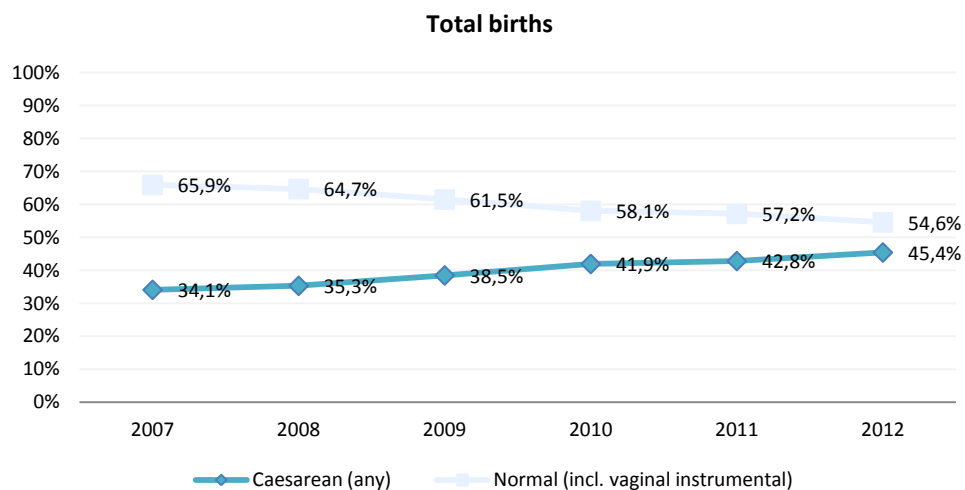
Graph 16a: Percentage of total births by mode of delivery_ Public Maternity Units 2007-2012


Table 16b: Total births by mode of delivery, Cyprus Public Sector 2007-2012

Mode of Delivery_Public	2007	2008	2009	2010	2011	2012	2007-2012
Caesarean after onset / Emergency	309	451	711	577	581	733	3362
Caesarean before onset / Elective	449	410	419	813	929	1119	4139
Normal	1465	1577	1807	1924	2015	2224	11012
Not stated	0	4	3	2	2	0	11
Total Births (Live + Stillborn)	2223	2442	2940	3316	3527	4076	18524

Mode of Delivery_Public	2007	2008	2009	2010	2011	2012	2007-2012
Caesarean after onset / Emergency	13,9%	18,5%	24,2%	17,4%	16,5%	18,0%	18,2%
Caesarean before onset / Elective	20,2%	16,8%	14,3%	24,5%	26,4%	27,5%	22,4%
Normal	65,9%	64,7%	61,5%	58,1%	57,2%	54,6%	59,5%
Total Births (Live + Stillborn)*	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

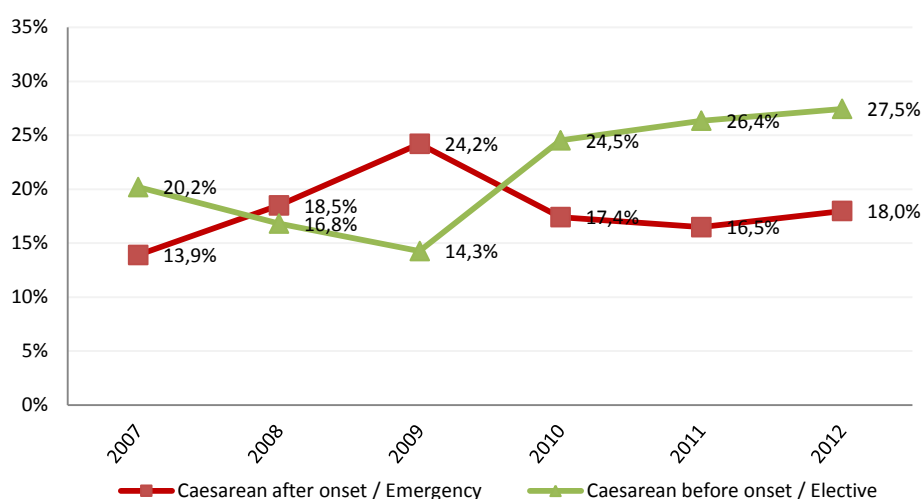
Graph 16b: Caesarean distribution, Cyprus Public Sector 2007-2012


Table 16c: Distribution of total births born with caesarean section by multiplicity_ Public Maternity Units 2007-2012

		HMU Public Maternity Units 2007-2012					
Plurality	Mode of Delivery	2007	2008	2009	2010	2011	2012
Normal (incl. vaginal instrumental)		1465	1580	1809	1925	2015	2224
	Singles	1459	1571	1797	1916	2004	2211
	Twins	6	6	12	9	11	10
	Triplets	0	3	0	0	0	3
Caesarean (any)		758	862	1131	1391	1512	1852
	Singles	620	748	966	1209	1353	1631
	Twins	96	96	132	155	147	170
	Triplets	42	18	33	27	12	51
Total Births*		2223	2442	2940	3316	3527	4076

Plurality	Mode of Delivery	2007	2008	2009	2010	2011	2012
Normal (incl. vaginal instrumental)	Singles	99,6%	99,4%	99,3%	99,5%	99,4%	99,4%
	Multiples Normal	0,4%	0,6%	0,7%	0,5%	0,6%	0,6%
Caesarean (any)	Singles	81,8%	86,8%	85,4%	86,9%	89,5%	88,1%
	Multiples Caesarean	18,2%	13,2%	14,6%	13,1%	10,5%	11,9%

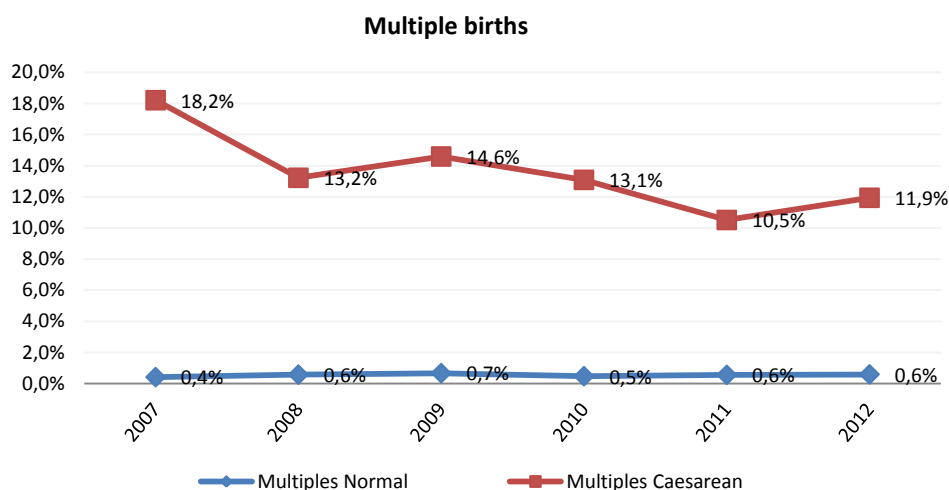
Graph 16c: Percentage distribution of total births born with caesarean section by multiplicity_ Public Maternity Units 2007-2012


Table 16d: Total births by gestational age by mode of delivery_ Public Maternity Units 2007-2012

Gestational age by mode of Delivery	2007	2008	2009	2010	2011	2012
Term (37 wks or more)	1892	2083	2447	2787	3012	3348
Normal (incl. vaginal instrumental)	1363	1450	1665	1779	1868	2020
Caesarean (any)	529	634	782	1008	1144	1328
Moderately preterm (32-36 weeks)	245	256	386	423	414	554
Normal (incl. vaginal instrumental)	74	94	109	114	111	138
Caesarean (any)	171	162	277	309	303	416
Very preterm (<32 weeks)	86	102	107	105	101	175
Normal (incl. vaginal instrumental)	28	34	34	31	37	66
Caesarean (any)	58	68	73	74	64	108
Total Births*	2223	2442	2940	3316	3527	4076

Gestational age by mode of Delivery	2007	2008	2009	2010	2011	2012
Term (37 wks or more)	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
Normal (incl. Vaginal instrumental)	72,0%	69,6%	68,0%	63,8%	62,0%	60,3%
Caesarean (any)	28,0%	30,4%	32,0%	36,2%	38,0%	39,7%
Preterm (<37 wks)	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
Normal (incl. Vaginal instrumental)	30,8%	35,9%	29,0%	27,5%	28,7%	28,0%
Caesarean (any)	69,2%	64,1%	71,0%	72,5%	71,3%	72,0%

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

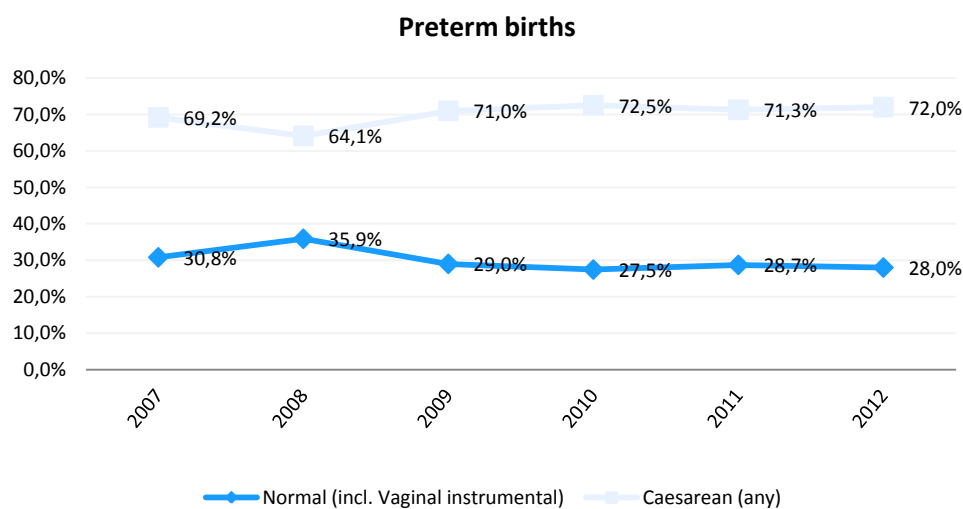
Graph 16d: Percentage of total births by gestational age by mode of delivery_ Public Maternity Units 2007-2012


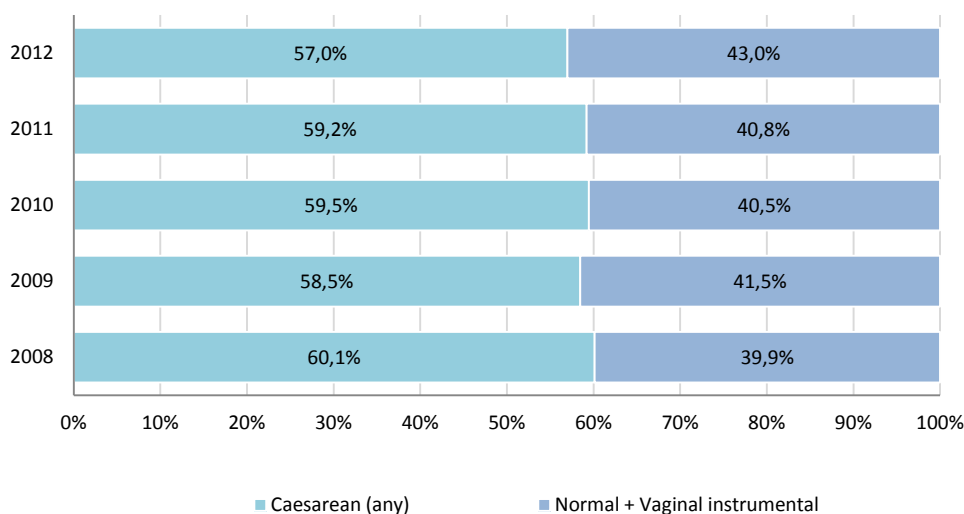
Table 16e: Total births by mode of delivery_Cyprus Private Sector* 2008-2012

Mode of delivery	2008	2009	2010	2011	2012	2008-2012
Caesarean (any)	3914	3753	3992	3690	3366	18715
Normal + Vaginal instrumental	2595	2667	2722	2543	2540	13067
Total Births**	6509	6420	6714	6233	5906	31782

Mode of delivery	2008	2009	2010	2011	2012	2008-2012
Caesarean (any)	60,1%	58,5%	59,5%	59,2%	57,0%	58,9%
Normal + Vaginal instrumental	39,9%	41,5%	40,5%	40,8%	43,0%	41,1%
Total Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

* 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 2008-2012


**Table 16f: Total births by mode of delivery, Cyprus Private and Public Sector
2008-2012**

Mode of delivery_Cyprus	2008	2009	2010	2011	2012	2008-2012
Caesarean (any)	4776	4884	5383	5201	5218	25462
Normal + Vaginal instrumental	4175	4476	4647	4559	4764	22621
Total Births	8951	9360	10030	9760	9982	48083
Mode of delivery_Cyprus	2008	2009	2010	2011	2012	2008-2012
Caesarean (any)	53,4%	52,2%	53,7%	53,3%	52,3%	53,0%
Normal + Vaginal instrumental	46,6%	47,8%	46,3%	46,7%	47,7%	47,0%
Total Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

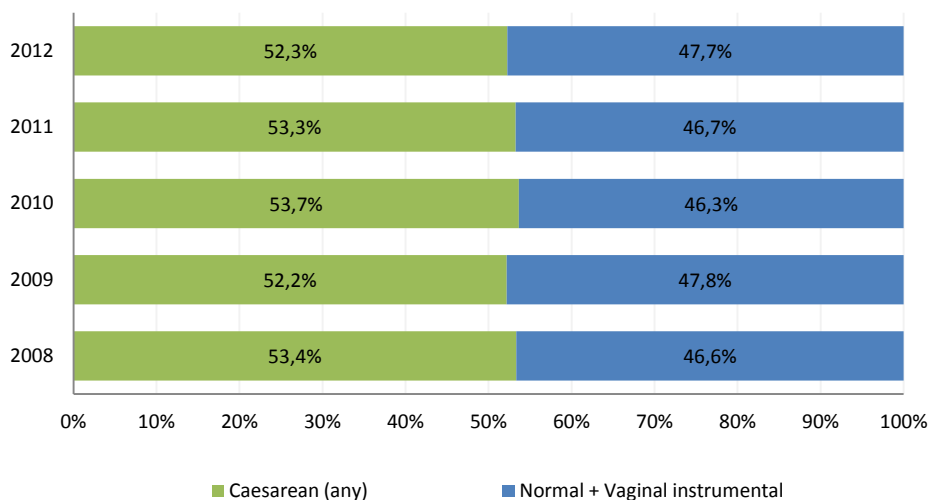
Graph 16f: Percentage of total births by mode of delivery, Cyprus Private and Public Sector 2008-2012


Table 16g: Caesareans of total births_Cyprus Private Sector Vs Public Sector 2008-2012

Caesarean (any)	2008	2009	2010	2011	2012	2008-2012
Private Sector	3914	3753	3992	3690	3366	18715
Public Sector	861	1130	1390	1510	1852	6743
Total Births*	4775	4883	5382	5200	5218	25458

Caesarean (any)	2008	2009	2010	2011	2012	2008-2012
Private Sector	82,0%	76,9%	74,2%	71,0%	64,5%	73,5%
Public Sector	18,0%	23,1%	25,8%	29,0%	35,5%	26,5%
Total Births	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 16g: Percentage of Caesareans of total births_Cyprus Private Sector Vs Public Sector 2008-2012

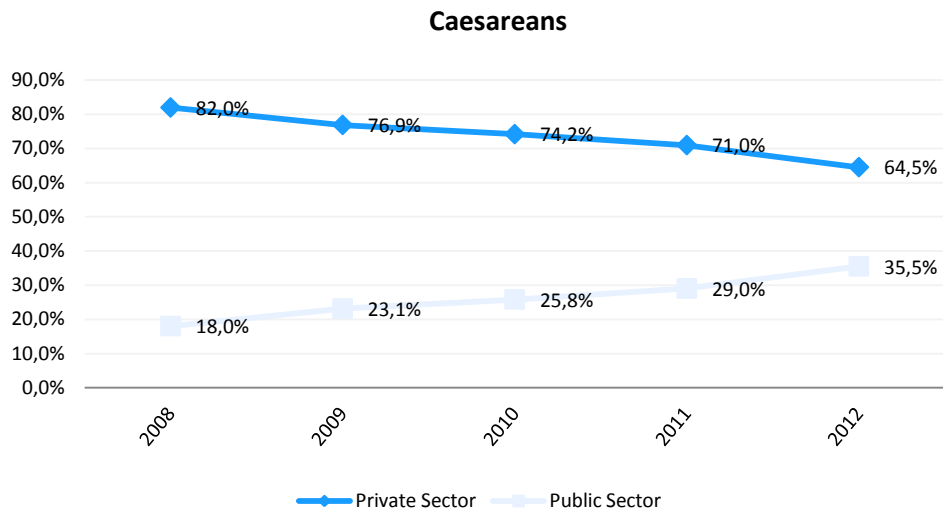


Table 17: Women delivered vaginally and had an episiotomy_ Public Maternity Units 2007-2012

Episiotomy	2007	2008	2009	2010	2011	2012	2007-2012
Episiotomy done	1042	1156	1347	1463	1591	1734	8333
No episiotomy done	420	416	454	457	419	483	2649
Not stated	0	2	2	1	0	0	5
Total Women*	1462	1574	1803	1920	2010	2217	10986

Episiotomy	2007	2008	2009	2010	2011	2012	2007-2012
Episiotomy done	71,3%	73,5%	74,8%	76,2%	79,1%	78,2%	75,9%
No episiotomy done	28,7%	26,5%	25,2%	23,8%	20,9%	21,8%	24,1%
Total Women	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

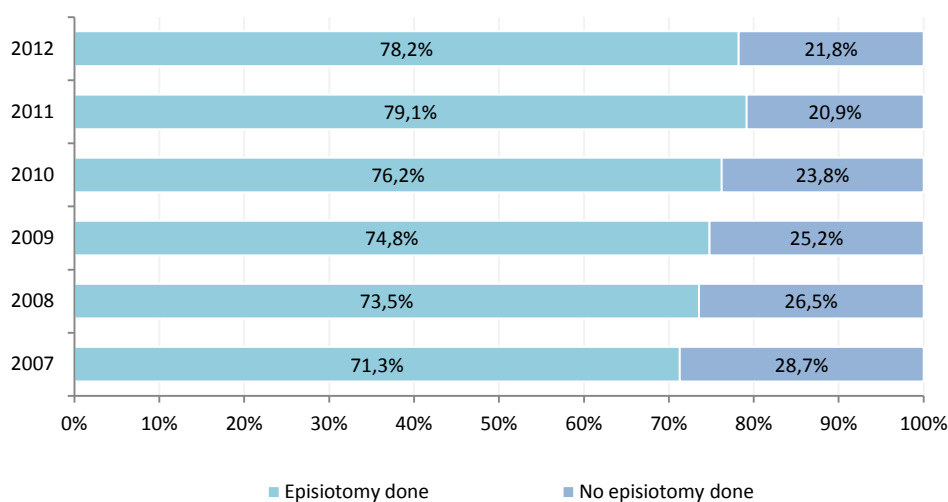
Graph 17: Percentage of women delivered vaginally and had an episiotomy_ Public Maternity Units 2007-2012


Table 18: Women delivered vaginally and had perinatal trauma_ Public Maternity Units 2007-2012

Perineal trauma	2007	2008	2009	2010	2011	2012	2007-2012
None	1195	1329	1515	1677	1725	2023	9463
1st degree*	221	192	221	185	231	159	1209
2nd degree	43	43	59	51	43	32	271
3rd and 4th degree	3	8	6	7	11	3	38
Not stated	0	3	2	1	0	0	5
Total Women**	1462	1575	1803	1920	2010	2217	10986

Perineal trauma	2007	2008	2009	2010	2011	2012	2007-2012
None	81,7%	84,5%	84,1%	87,3%	85,8%	91,2%	86,2%
1st degree	15,1%	12,2%	12,3%	9,6%	11,5%	7,2%	11,0%
2nd degree	2,9%	2,7%	3,3%	2,7%	2,1%	1,4%	2,5%
3rd and 4th degree	0,2%	0,5%	0,3%	0,4%	0,5%	0,1%	0,3%
Total Women	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

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

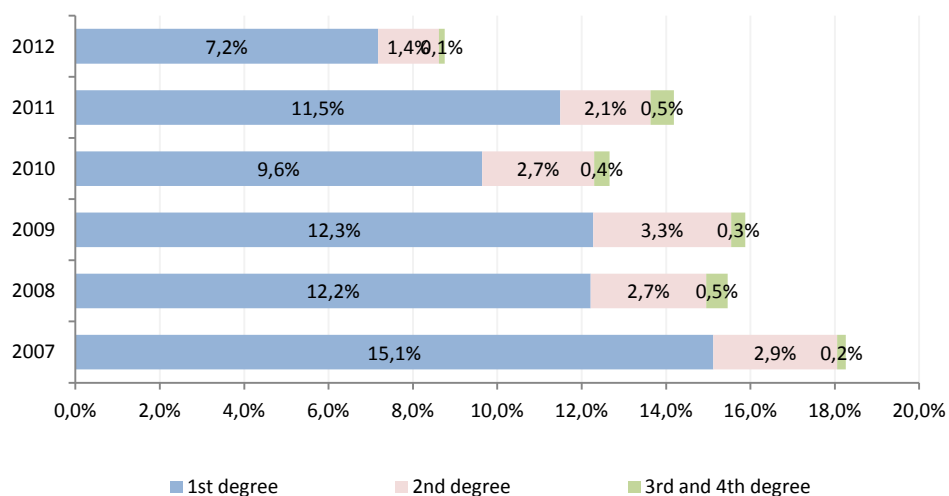
Graph 18: Percentage of women delivered vaginally and had perinatal trauma_ Public Maternity Units 2007-2012


Table 19a: Live births by admission to neonatal intensive care unit (NICU) _ Public Maternity Units 2007-2012

NICU admission	2007	2008	2009	2010	2011	2012	2007-2012
No NICU Admission	2047	2209	2548	2918	3117	3501	16340
Admitted in NICU	163	214	374	375	387	543	2056
Live Births	2210	2423	2922	3293	3504	4044	18396

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

Denominator: Live births

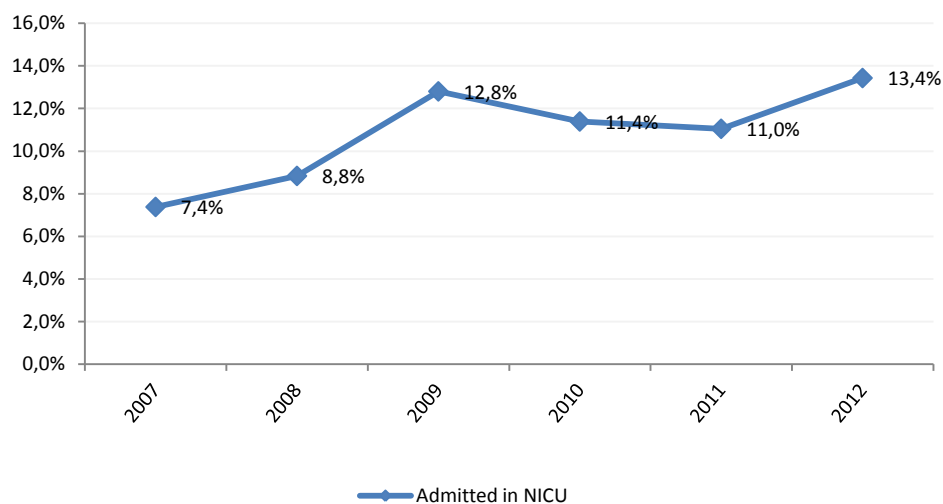
Graph 19a: Percentage of live births admitted to (NICU) _ Public Maternity Units 2007-2012


Table 19b: Live births admission to NICU by gestational age_Public Maternity Units 2007-2012

NICU admission by gestational age	2007	2008	2009	2010	2011	2012
Admitted to NICU	163	214	374	375	387	543
<32 wks	52	79	93	89	86	148
32-36 wks	68	91	194	184	178	256
37 wks or more	43	44	87	102	122	140
No NICU Admission	2047	2209	2548	2918	3117	3501
<32 wks	27	6	3	1	3	3
32-36 wks	174	163	188	237	227	295
37 wks or more	1846	2040	2357	2680	2887	3203
Live Births	2210	2423	2922	3293	3504	4044

Births less than 37 wks of gestation	2007	2008	2009	2010	2011	2012
Admitted to NICU	37,4%	50,1%	60,0%	53,5%	53,5%	57,5%
No NICU Admission	62,6%	49,9%	40,0%	46,5%	46,5%	42,5%

Denominator: Live births

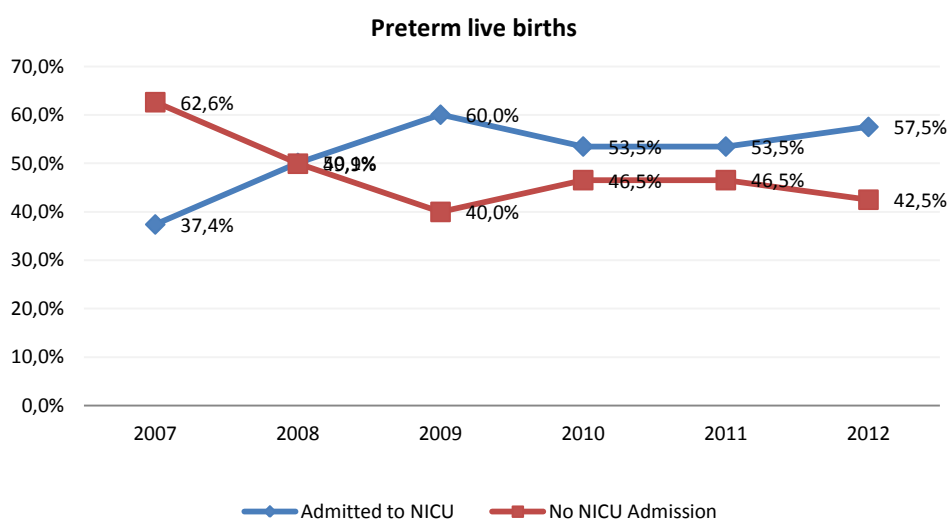
Graph 19b: Preterm live births admission rate to NICU_Public Maternity Units 2007-2012


Table 20a: Live births by mode of breastfeeding during the first 48 hrs_ Public Maternity Units 2007-2012

Breastfeeding	2007	2008	2009	2010	2011	2012	2007-2012
Breastfed exclusively	785	698	629	664	1208	1159	5143
Breastfed + other food or drink	1081	1553	2041	2383	2020	2504	11582
Not breastfed	228	172	252	246	276	381	1555
Not stated	116	0	0	0	0	0	116
Total Live Births	2210	2423	2922	3293	3504	4044	18396

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

Denominator: Live births

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

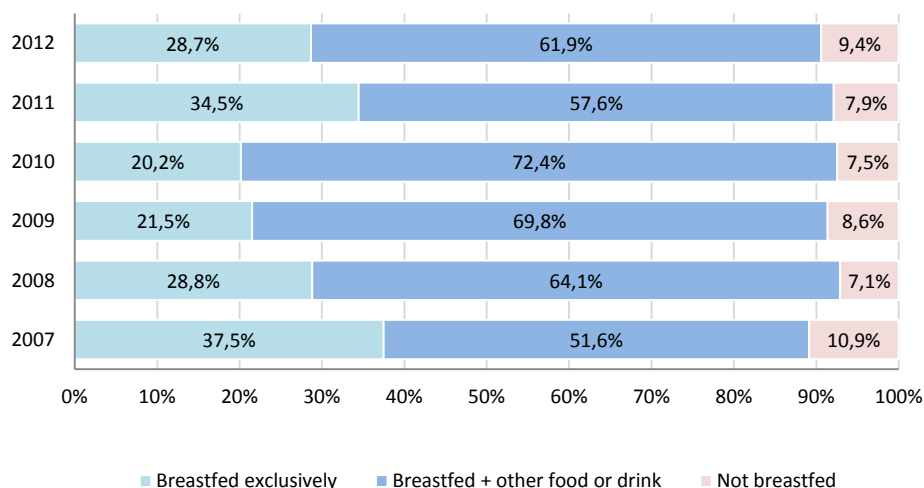
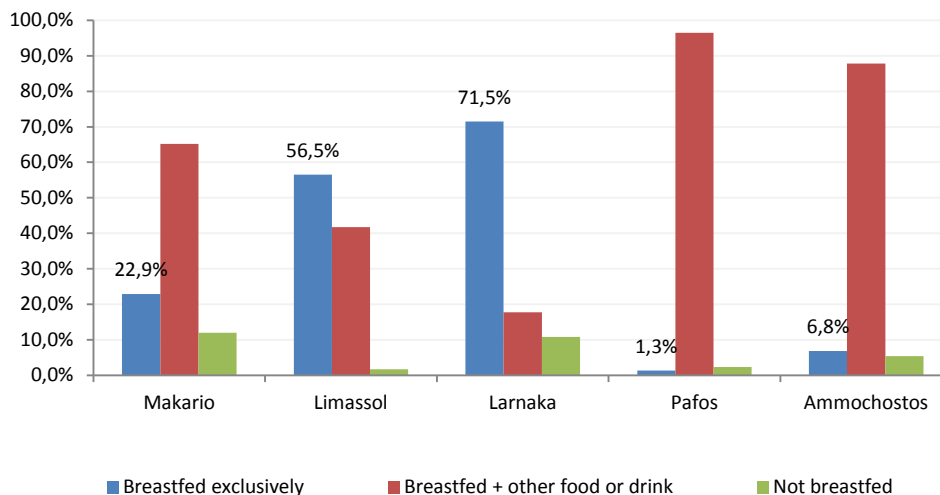
Graph 20a: Percentage of live births by mode of breastfeeding during the first 48 hours_ Public Maternity Units 2007-2012


Table 20b: Live births by mode of breastfeeding during the first 48 hrs by maternal unit_ Public Maternity Units 2012

Maternal Units	Makario	Limassol	Larnaka	Pafos	Ammochostos	2012
Breastfed exclusively	359	467	363	5	14	1208
Breastfed + other food or drink	1024	345	90	381	180	2020
Not breastfed	187	14	55	9	11	276
Total Live Births	1570	826	508	395	205	3504

Maternal Units	Makario	Limassol	Larnaka	Pafos	Ammochostos	2012
Breastfed exclusively	22,9%	56,5%	71,5%	1,3%	6,8%	34,5%
Breastfed + other food or drink	65,2%	41,8%	17,7%	96,5%	87,8%	57,6%
Not breastfed	11,9%	1,7%	10,8%	2,3%	5,4%	7,9%
Total Live Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Denominator: Live births for the year 2012

Graph 20b: Percentage of live births by mode of breastfeeding during the first 48 hrs by maternal unit_ Public Maternity Units 2012


Babies' health

Table 21: Fetal Mortality per 1000 total births_ Public Maternity Units 2007-2012

Vital status	2007	2008	2009	2010	2011	2012	2007-2012
Liveborn	2210	2423	2922	3293	3504	4044	18396
Stillborn limit 22 w gestation	13	19	18	23	23	32	128
Total Births	2223	2442	2940	3316	3527	4076	18524
Stillborn limit 28 w gestation	8	7	8	14	15	13	65

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

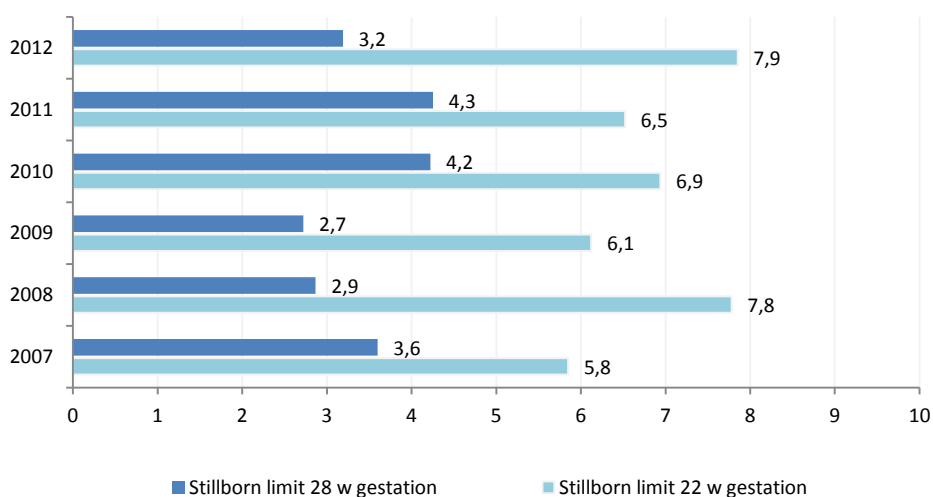
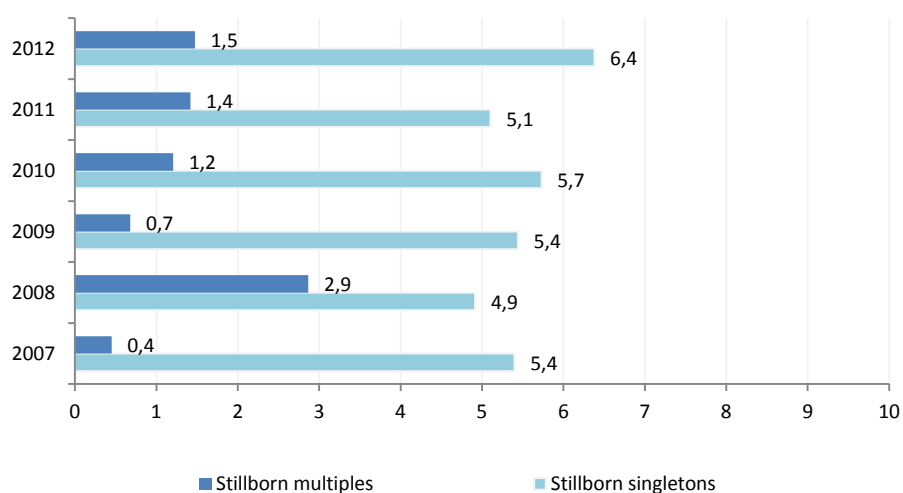
Graph 21: Fetal Mortality per 1000 total births_ Public Maternity Units 2007-2012


Table 22: Fetal Mortality per 1000 singleton and multiple births_ Public Maternity Units 2007-2012

Vital status	2007	2008	2009	2010	2011	2012	2007-2012
Liveborn	2210	2423	2922	3293	3504	4044	14352
Stillborn singletons	12	12	16	19	18	26	77
Stillborn multiples	1	7	2	4	5	6	19
Total Births	2223	2442	2940	3316	3527	4076	14448

Vital status	2007	2008	2009	2010	2011	2012	2007-2012
Liveborn	994,2	992,2	993,9	993,1	993,5	992,1	993,4
Stillborn singletons	5,4	4,9	5,4	5,7	5,1	6,4	5,3
Stillborn multiples	0,4	2,9	0,7	1,2	1,4	1,5	1,3
Per 1000 total Births	1000	1000	1000	1000	1000	1000	1000

Graph 22: Fetal Mortality per 1000 singleton and multiple births_ Public Maternity Units 2007-2012


**Table 23a: Total births by gestational age by vital status_ Public Maternity Units
2007-2012**

Vital status	Gestational age	2007	2008	2009	2010	2011	2012
Total Births		2223	2442	2940	3316	3527	4076
Liveborn		2210	2423	2922	3293	3504	4044
	<32 weeks	79	85	96	90	89	150
	32-36 weeks	242	254	382	420	405	549
	37 weeks or more	1889	2078	2443	2776	3004	3331
	Not stated	0	6	1	7	6	14
Stillborn		13	19	18	23	23	32
	<32 weeks	7	17	11	15	12	24
	32-36 weeks	3	2	4	3	8	3
	37 weeks or more	3	0	3	5	3	5
	Not stated	0	0	0	0	0	0

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

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

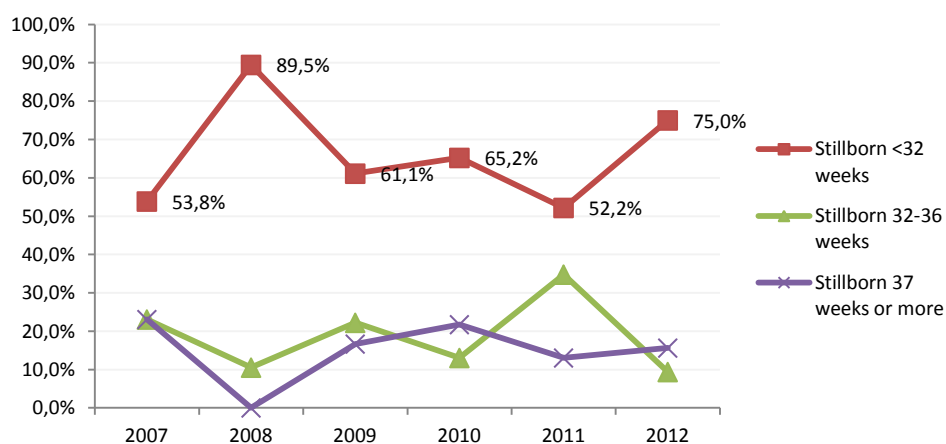
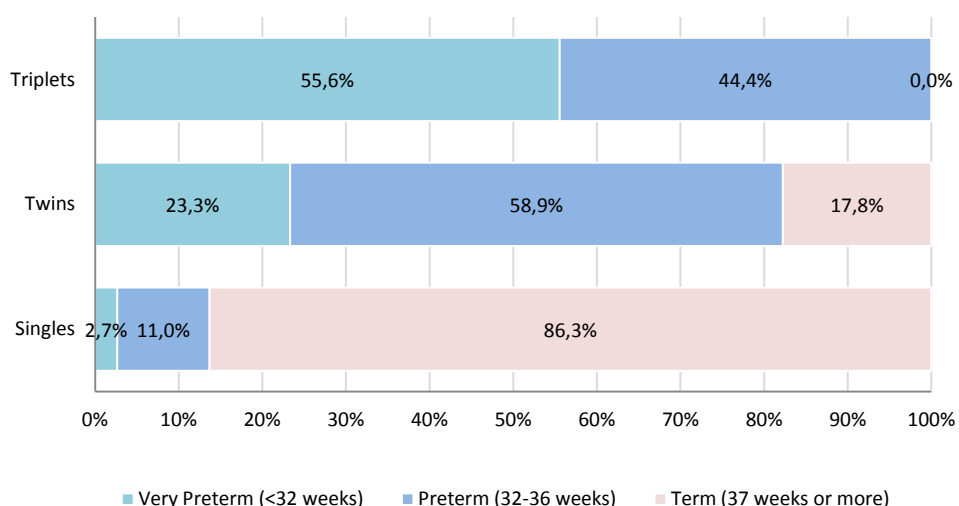
Graph 23a: Fetal deaths rate by gestational age _ Public Maternity Units 2007-2012


Table 23b: Total births by gestational age by plurality_ Public Maternity Units 2012

Gestational age by plurality	Singles	Twins	Triplets	Total 2012
Very Preterm (<32 weeks)	102	42	30	174
Preterm (32-36 weeks)	422	106	24	552
Term (37 weeks or more)	3304	32	0	3336
Not stated	14	0	0	14
Total Births (Live + Stillborn)	3842	180	54	4076

Gestational age by plurality	Singles	Twins	Triplets	Total 2012
Very Preterm (<32 weeks)	2,7%	23,3%	55,6%	4,3%
Preterm (32-36 weeks)	11,0%	58,9%	44,4%	13,6%
Term (37 weeks or more)	86,3%	17,8%	0,0%	82,1%
Total Births (Live + Stillborn)*	100,0%	100,0%	100,0%	100,0%

* "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 2012


**Table 24a: Total births by birthweight by vital status_ Public Maternity Units
2007-2012**

Vital status	Birthweight	2007	2008	2009	2010	2011	2012
Total Births		2223	2442	2940	3316	3527	4076
Liveborn		2210	2423	2922	3293	3504	4044
	Under 1500 g	65	56	79	81	87	130
	1500-2499 g	216	201	310	289	319	430
	2500 g or more	1929	2164	2532	2922	3097	3483
	Not stated	0	2	1	1	1	1
Stillborn		13	19	18	23	23	32
	Under 1500 g	8	16	12	14	12	24
	1500-2499 g	1	2	3	3	8	1
	2500 g or more	4	0	3	6	3	7
	Not stated	0	1	0	0	0	0

Vital status	Birthweight	2007	2008	2009	2010	2011	2012
Total births							
Liveborn		100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
	Under 1500 g	2,9%	2,3%	2,7%	2,5%	2,5%	3,2%
	1500-2499 g	9,8%	8,3%	10,6%	8,8%	9,1%	10,6%
	2500 g or more	87,3%	89,4%	86,7%	88,8%	88,4%	86,1%
Stillborn		100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
	Under 1500 g	61,5%	88,9%	66,7%	60,9%	52,2%	75,0%
	1500-2499 g	7,7%	11,1%	16,7%	13,0%	34,8%	3,1%
	2500 g or more	30,8%	0,0%	16,7%	26,1%	13,0%	21,9%

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

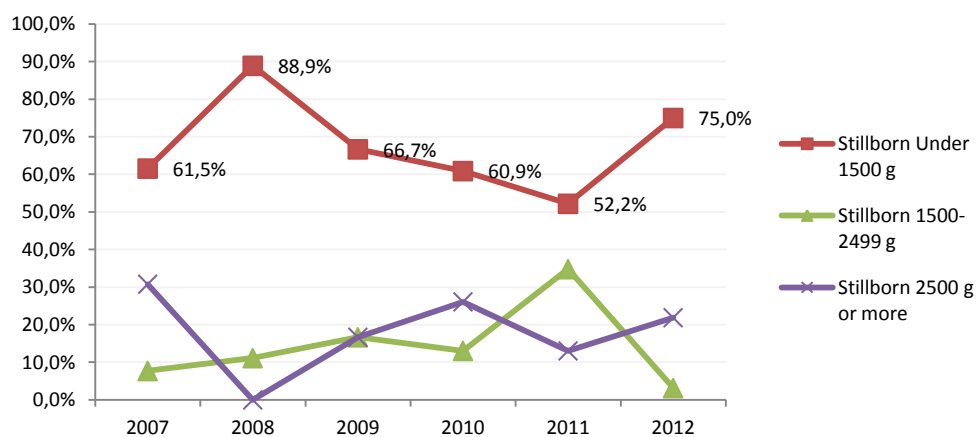
Graph 24a: Fetal deaths rate by birthweight_ Public Maternity Units 2007-2012


Table 24b: Total births by birthweight by plurality_ Public Maternity Units 2012

Birthweight by plurality	Singles	Twins	Triplets	Total 2012
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
Total Births (Live + Stillborn)	3842	180	54	4076

Birthweight by plurality	Singles	Twins	Triplets	Total 2012
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%
Total Births (Live + Stillborn)*	100,0%	100,0%	100,0%	100,0%

* "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 2012

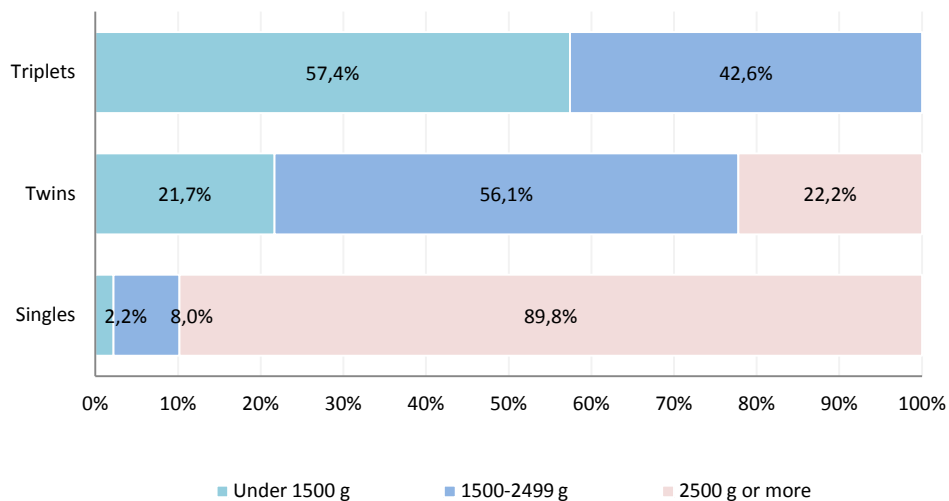


Table 25a: Distribution of birthweight by gestational age_ Public Maternity Units 2012

Birthweight by gestational age	<32 weeks	32-36 weeks	37 weeks or more	Total 2012
Under 1500 g	141	11	3	155
1500-2499 g	32	293	105	431
2500 g or more	1	250	3239	3490
Total Births (Live + Stillborn)	174	554	3348	4076

Birthweight by gestational age	<32 weeks	32-36 weeks	37 weeks or more	Total 2012
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%
Total Births (Live + Stillborn)	100,0%	100,0%	100,0%	100,0%

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

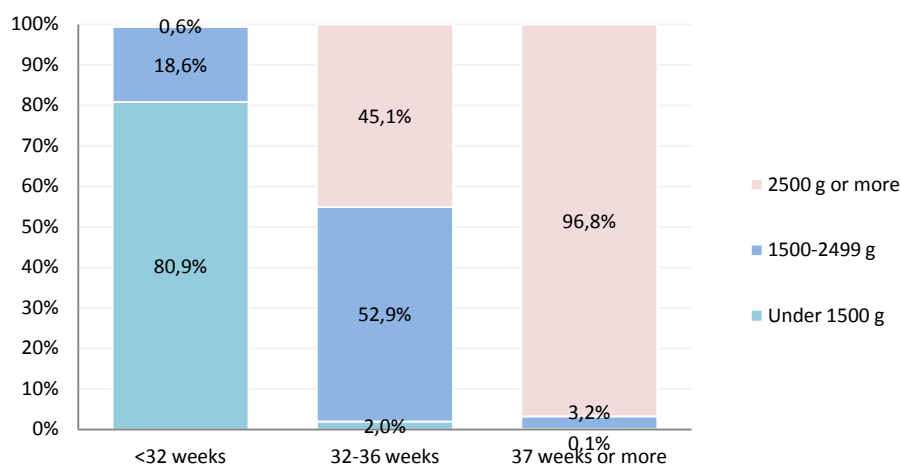
Graph 25a: Percentage distribution of birthweight by gestational age_ Public Maternity Units 2012


Table 25b: Live births by birthweight_ Public Maternity Units 2012

Birthweight	2007	2008	2009	2010	2011	2012	2007-2012
<1500 g	65	56	79	81	87	130	498
1500-2499 g	216	201	310	289	319	430	1765
2500 g or more	1929	2164	2532	2922	3097	3483	16127
Not stated	0	2	1	1	1	1	6
Total Live Births	2210	2423	2922	3293	3504	4044	18396

Birthweight	2007	2008	2009	2010	2011	2012	2007-2012
<1500 g	2,9%	2,3%	2,7%	2,5%	2,5%	3,2%	2,7%
1500-2499 g	9,8%	8,3%	10,6%	8,8%	9,1%	10,6%	9,6%
2500 g or more	87,3%	89,4%	86,7%	88,8%	88,4%	86,1%	87,7%
Total Live Births*	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

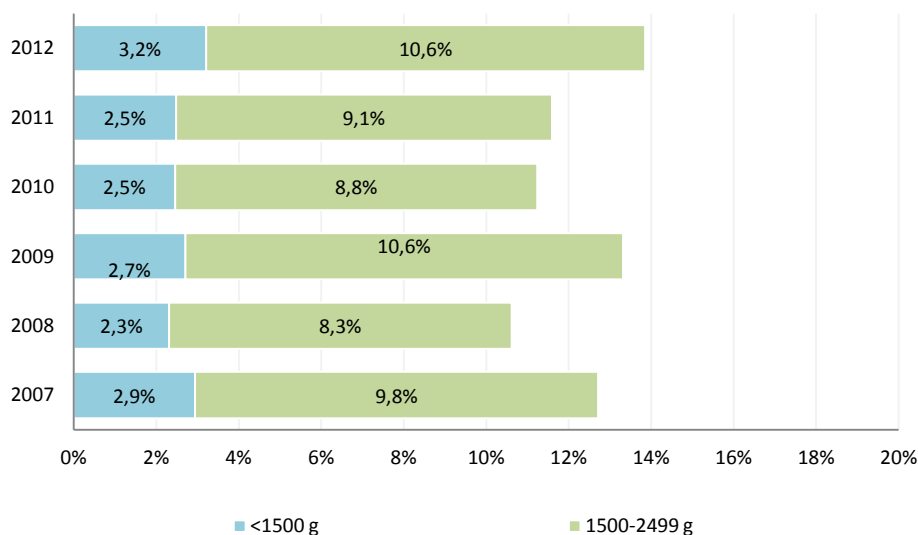
Graph 25b: Percentage of live births with a birthweight under 2500 g_ Public Maternity Units 2012


Table 25c: Live births with a gestational age <32 weeks and between 32-36 weeks, 2007-2012

Gestational age	2007	2008	2009	2010	2011	2012	2007-2012
Very Preterm (<32 weeks)	79	85	96	90	89	150	589
Preterm (32-36 weeks)	242	254	382	420	405	549	2252
Term (37 weeks or more)	1889	2078	2443	2776	3004	3331	15521
Not stated	0	6	1	7	6	14	34
Total Live Births	2210	2423	2922	3293	3504	4044	18396

Gestational age	2007	2008	2009	2010	2011	2012	2007-2012
Very Preterm (<32 weeks)	3,6%	3,5%	3,3%	2,7%	2,5%	3,7%	3,2%
Preterm (32-36 weeks)	11,0%	10,5%	13,1%	12,8%	11,6%	13,6%	12,3%
Term (37 weeks or more)	85,5%	86,0%	83,6%	84,5%	85,9%	82,7%	84,5%
Total Live Births*	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

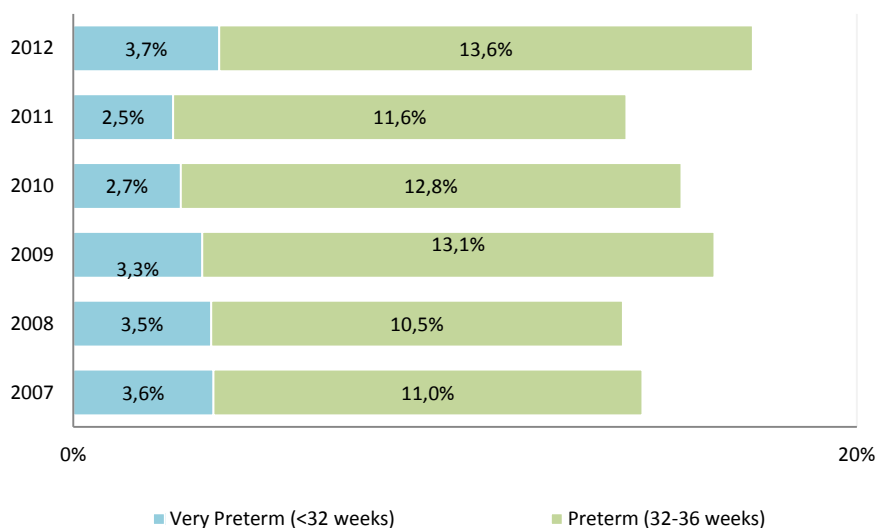
Graph 25c: Percentage of live births with a gestational age <32 weeks and between 32-36 weeks, 2007-2012


Table 26: Live births by Apgar score at 5 minutes_ Public Maternity Units 2007-2012

Apgar score 5 min	2007	2008	2009	2010	2011	2012	2007-2012
<4	3	2	6	7	6	11	35
4-6	11	10	5	15	17	19	77
>6	2171	2389	2857	3239	3426	3940	18022
Not applicable*	25	22	54	32	55	74	262
Live Births	2210	2423	2922	3293	3504	4044	18396

Apgar score 5 min	2007	2008	2009	2010	2011	2012	2007-2012
<4	0,1%	0,1%	0,2%	0,2%	0,2%	0,3%	0,2%
4-6	0,5%	0,4%	0,2%	0,5%	0,5%	0,5%	0,4%
>6	98,2%	98,6%	97,8%	98,4%	97,8%	97,4%	98,0%
Not applicable	1,1%	0,9%	1,8%	1,0%	1,6%	1,8%	1,4%
Live Births	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Denominator: Live births

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

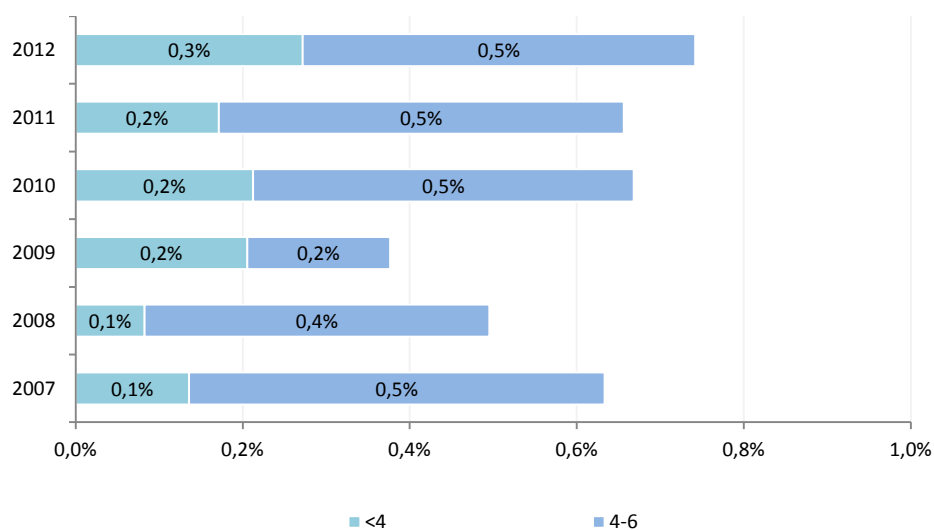
Graph 26: Percentage of live births by Apgar score at 5 minutes_ Public Maternity Units 2007-2012


Table 27: Fetal, neonatal and infant mortality rates_Total Cyprus 2004-2012

Fetal, neonatal and infant deaths*	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fetal (deadborn fetus of 22 or more completed wks of gestation)	-	-	-	-	-	-	-	34	42
Early neonatal (0-6 days)	10	24	15	9	18	11	18	13	24
Late neonatal (7-27 days)	3	4	4	5	4	7	2	3	4
Post neonatal (28-365 days)	16	11	8	13	10	14	8	10	8
Infant deaths (<1 yr) (0-365 days)	29	39	27	27	32	32	28	26	36

Fetal, neonatal and infant death rates	2004	2005	2006	2007	2008	2009	2010	2011	2012
Live births Cyprus**	8309	8243	8731	8575	9205	9608	9801	9622	10161
Total births Cyprus (Live + Stillbirths)	-	-	-	-	-	-	-	9656	10203
Fetal mortality rate per 1000 total births	-	-	-	-	-	-	-	3,5	4,1
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
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
Post neonatal mortality rate per 1000 live births	1,9	1,3	0,9	1,5	1,1	1,5	0,8	1,0	0,8
Infant mortality rate per 1000 live births	3,5	4,7	3,1	3,1	3,5	3,3	2,9	2,7	3,5

* Source: Death Registry 2004-2012, Health Monitoring Unit, Ministry of Health

** Source: Demographic Report 2010-2011, Statistical Service of Cyprus

Graph 27: Fetal mortality rates per 1000 total births, and neonatal and infant mortality rates per 1000 live births_Total Cyprus 2004-2012

