



REPUBLIC

OF CYPRUS

MINISTRY OF HEALTH

**CYPRUS PUBLIC AND PRIVATE
MATERNITY UNITS**

**IMPORTANT PERINATAL HEALTH INDICATORS
FOR THE YEAR 2015**

HEALTH MONITORING UNIT

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Live births and stillbirths

Health sector

Table 1. Summary table of births by Public and Private Sector in 2015

	Cyprus TOTAL			Cyprus RESIDENTS		
	Private	Public	Cyprus	Private	Public	Cyprus
Live births	6129	3265	9394	5951	3247	9198*
Stillbirths	16	15	31	15	15	30
Total births	6145	3280	9425	5966	3262	9228
Total women	5991	3180	9171	5813	3166	8979
Women with live births	5977	3167	9144	5800	3153	8953

	Cyprus TOTAL			Cyprus RESIDENTS		
	Private	Public	Cyprus	Private	Public	Cyprus
Live births	99.7%	99.5%	99.7%	99.7%	99.5%	99.7%
Stillbirths	0.3%	0.5%	0.3%	0.3%	0.5%	0.3%
Total births	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

***Notes:** Live births in the Demographic Report 2015 of the Statistical Service are only of mothers that are residents in the Government Controlled Areas. The data for live births used in the above table (=9198) differ from these of the Cyprus Statistical Service's live births (=9170) due to the different periods of data collection and processing.

Figure 1. Percentage distribution of births by Public and Private Sector in 2015

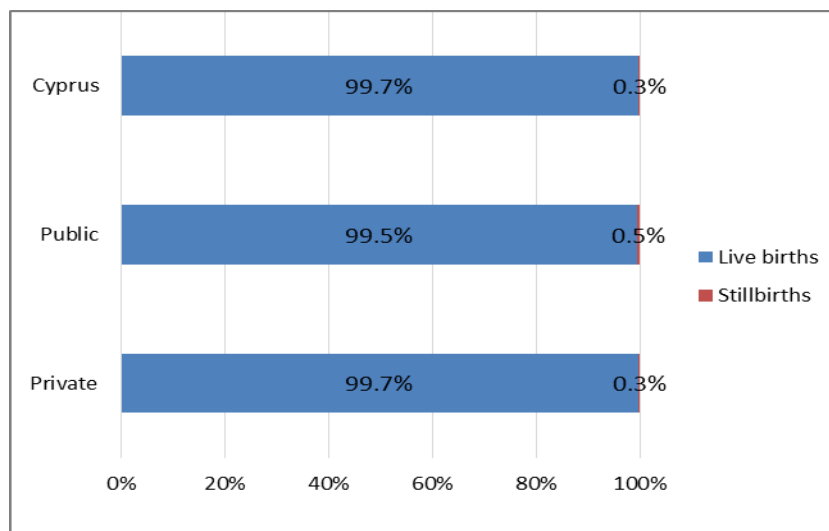


Table 2. Summary table of births, Public Sector 2007-2015

Year / Public	2007	2008	2009	2010	2011	2012	2013	2014	2015
Live births	2210	2424	2922	3293	3504	4044	3650	3318	3265
Stillbirths*	13	18	18	23	23	32	31	29	15
Total births	2223	2442	2940	3316	3527	4076	3681	3347	3280

Year / Public	2007	2008	2009	2010	2011	2012	2013	2014	2015
Live births	99.4%	99.3%	99.4%	99.3%	99.3%	99.2%	99.2%	99.1%	99.5%
Stillbirths	0.6%	0.7%	0.6%	0.7%	0.7%	0.8%	0.8%	0.9%	0.5%
Total births	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Fetal mortality rate per 1000 total births of the Public Sector	5.8	7.4	6.1	6.9	6.5	7.9	8.4	8.7	4.6

*"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 23

Figure 2a. Number of live births, Public Sector 2007-2015

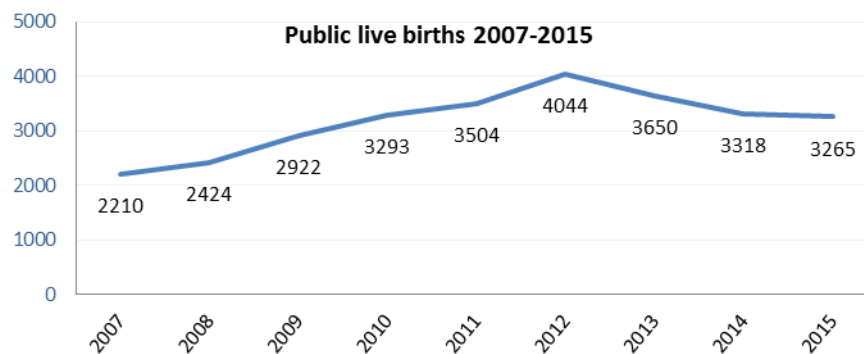
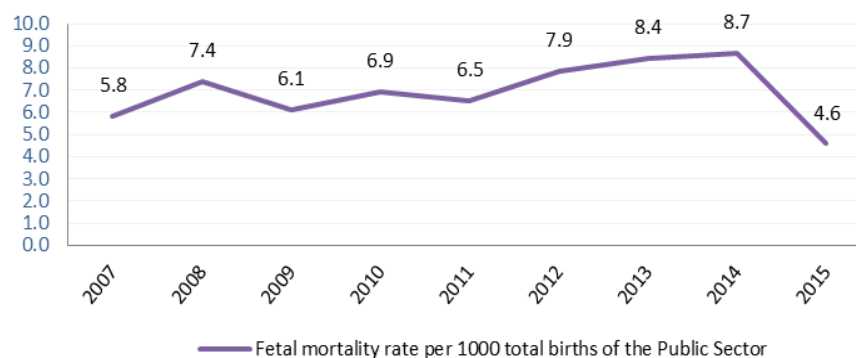


Figure 2b. Fetal mortality rate per 1000 total births, Public Sector 2007-2015



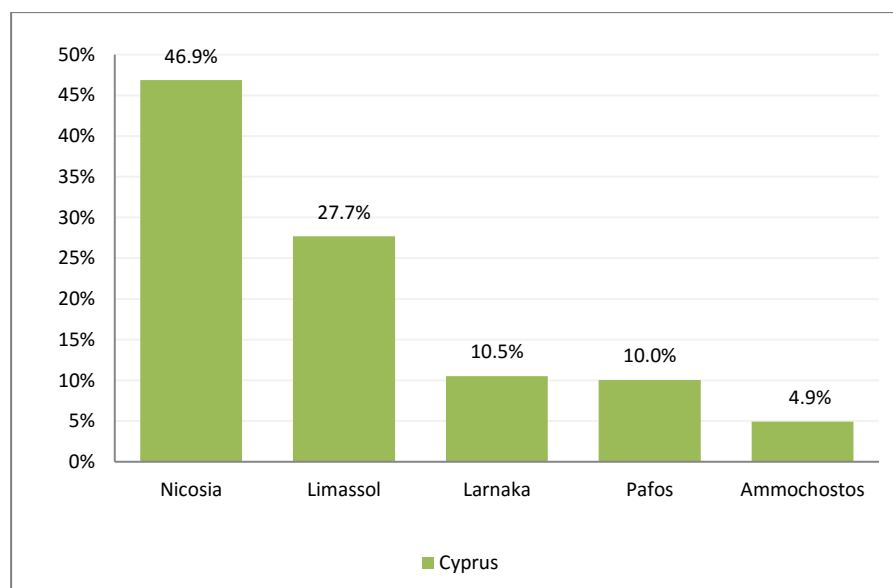
District distribution

Table 3. *Distribution of births by district, Cyprus Private and Public Sector 2015*

District	Private	Public	Cyprus
Nicosia	2968	1448	4416
Limassol	1793	815	2608
Larnaka	583	408	991
Pafos	612	335	947
Ammochostos	189	274	463
Total births	6145	3280	9425

District	Private	Public	Cyprus
Nicosia	48.3%	44.1%	46.9%
Limassol	29.2%	24.8%	27.7%
Larnaka	9.5%	12.4%	10.5%
Pafos	10.0%	10.2%	10.0%
Ammochostos	3.1%	8.4%	4.9%
Total births	100.0%	100.0%	100.0%

Figure 3. *Percentage distribution of births by district, Cyprus Private and Public Sector 2015*



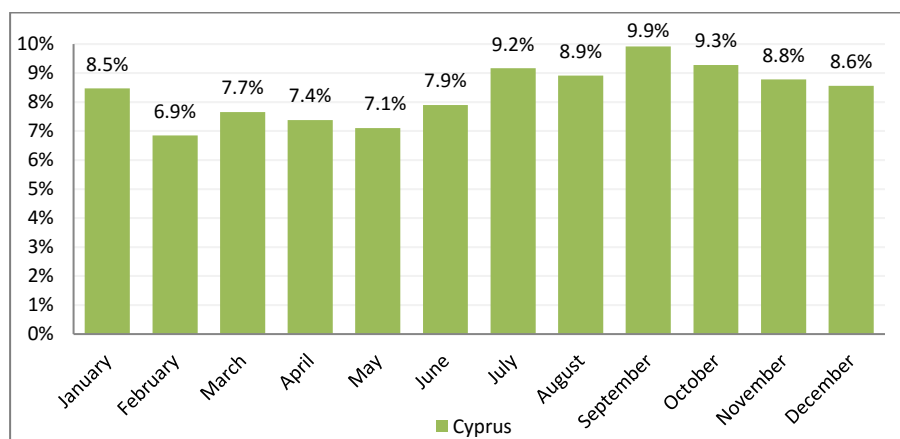
Month distribution

Table 4. *Distribution of births by month, Cyprus Private and Public Sector 2015*

Month	Private	Public	Cyprus
January	495	304	799
February	412	234	646
March	495	227	722
April	458	238	696
May	463	207	670
June	499	245	744
July	560	304	864
August	543	297	840
September	589	346	935
October	562	312	874
November	539	289	828
December	530	277	807
Total births	6145	3280	9425

Month	Private	Public	Cyprus
January	8.1%	9.3%	8.5%
February	6.7%	7.1%	6.9%
March	8.1%	6.9%	7.7%
April	7.5%	7.3%	7.4%
May	7.5%	6.3%	7.1%
June	8.1%	7.5%	7.9%
July	9.1%	9.3%	9.2%
August	8.8%	9.1%	8.9%
September	9.6%	10.5%	9.9%
October	9.1%	9.5%	9.3%
November	8.8%	8.8%	8.8%
December	8.6%	8.4%	8.6%
Total births	100.0%	100.0%	100.0%

Figure 4. *Percentage distribution of births by month, Private and Public Sector 2015*



Sex distribution

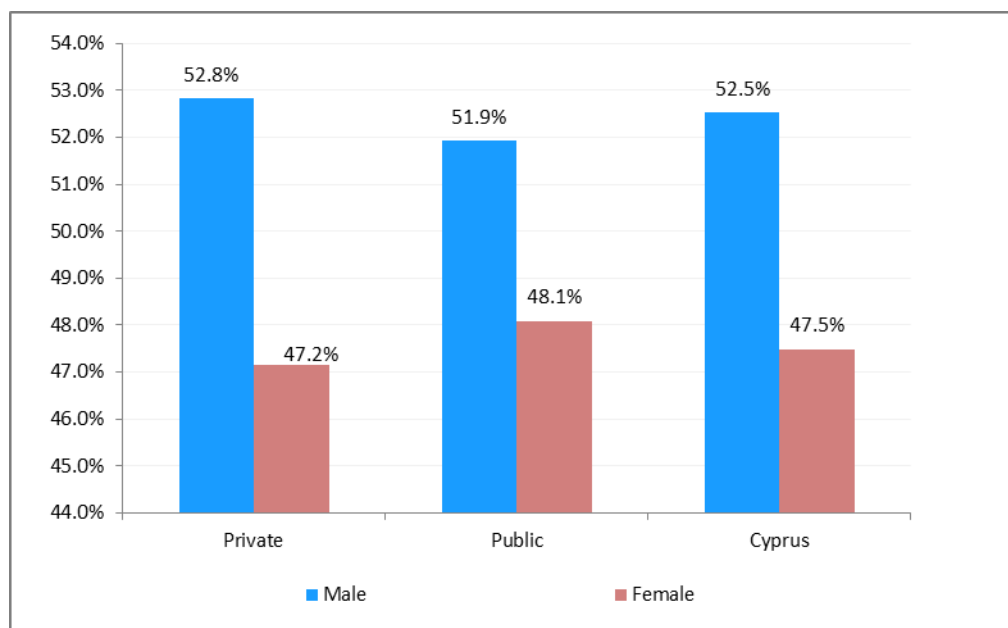
Table 5. Distribution of births by sex, Cyprus Private and Public Sector 2015

Sex	Private	Public	Cyprus
Male	3242	1703	4945
Female	2893	1577	4470
Not stated	10	0	10
Total births (live & stillborn)	6145	3280	9425

Sex	Private	Public	Cyprus
Male	52.8%	51.9%	52.5%
Female	47.2%	48.1%	47.5%
Total births (live & stillborn)*	100.0%	100.0%	100.0%

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

Figure 5. Percentage distribution of births by sex, Cyprus Private and Public Sector 2015



Characteristics of childbearing women

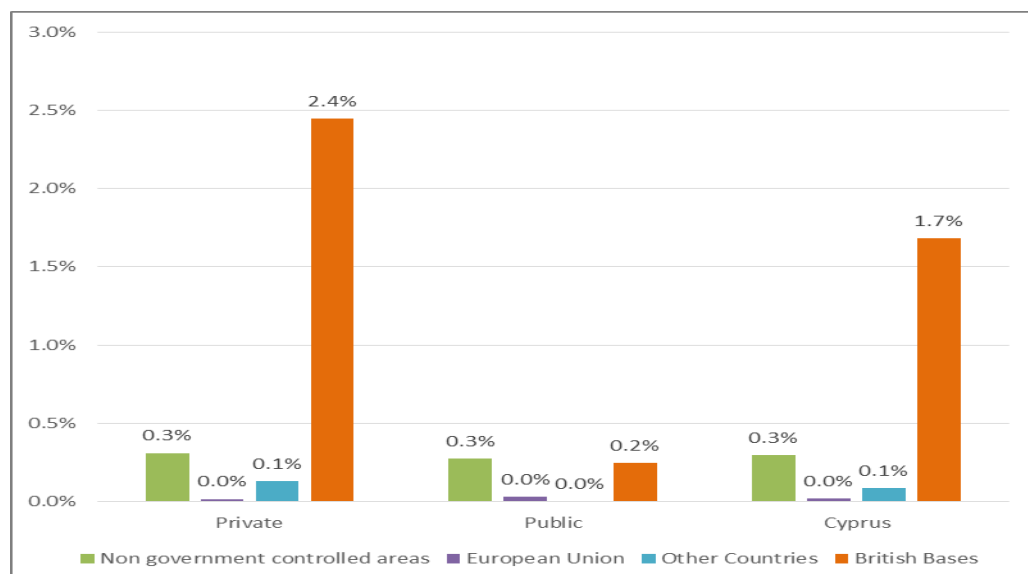
Mother's residence

Table 6. *Live births in all public and private maternity units by mother's residence, Cyprus Private and Public Sector 2015*

Mother's residence	Private	Public	Cyprus
Government controlled areas	5951	3247	9198
Non government controlled areas	19	9	28
European Union	1	1	2
Other Countries	8	0	8
British Bases	150	8	158
Live births	6129	3265	9394

Mother's residence	Private	Public	Cyprus
Government controlled areas	97.1%	99.4%	97.9%
Non government controlled areas	0.3%	0.3%	0.3%
European Union	0.0%	0.0%	0.0%
Other Countries	0.1%	0.0%	0.1%
British Bases	2.4%	0.2%	1.7%
Live births	100.0%	100.0%	100.0%

Figure 6. *Percentage of live births in all public and private maternity units by mother's residence, Cyprus Private and Public Sector 2015*



Mother's country of origin

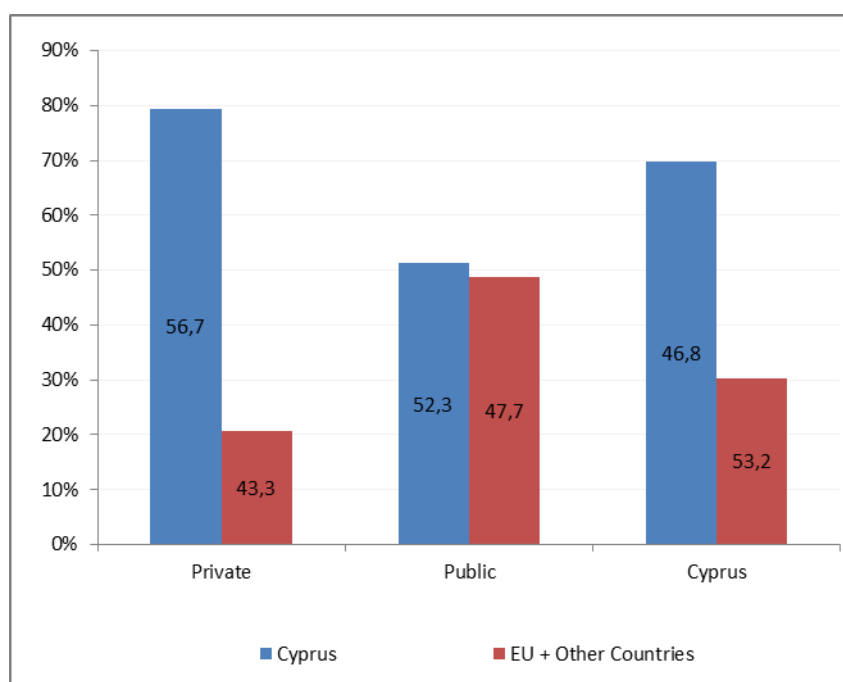
Table 7. Women by country of origin, Cyprus Private and Public Sector 2015

Country of origin	Private	Public	Cyprus
Cyprus	4758	1629	6387
EU	577	865	1442
Other Countries	653	686	1339
Not stated	3	0	3
Total women	5991	3180	9171

Country of origin	Private	Public	Cyprus
Cyprus	79.5%	51.2%	69.7%
EU & Other Countries	20.5%	48.8%	30.3%
Total women*	100.0%	100.0%	100.0%

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

Figure 7. Percentage of women by country of origin, Cyprus Private and Public Sector 2015



Mother's age

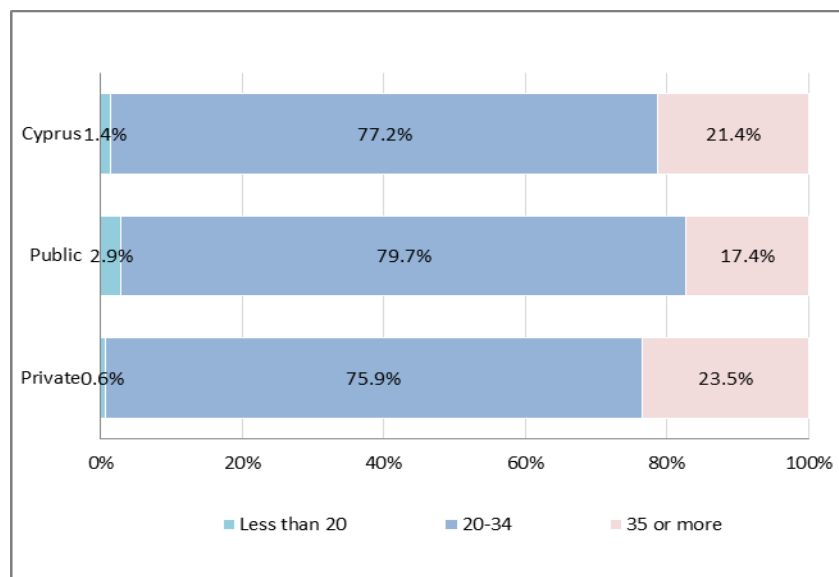
Table 8. Age distribution of women delivering live or stillbirths, Cyprus Private and Public Sector 2015

Age of Women	Private	Public	Cyprus
Less than 20	36	93	129
20-34	4532	2534	7066
35 or more	1406	552	1958
Not stated	17	1	18
Total women	5991	3180	9171

Age of Women	Private	Public	Cyprus
Less than 20	0.6%	2.9%	1.4%
20-34	75.9%	79.7%	77.2%
35 or more	23.5%	17.4%	21.4%
Total women*	100.0%	100.0%	100.0%

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

Figure 8. Percentage age distribution of women delivering live or stillbirths, Cyprus Private and Public Sector 2015



Mother's education

Table 9. Distribution of mother's education, Cyprus Private and Public Sector 2015

Education*	Private	Public	Cyprus
Primary or none	28	135	163
Secondary (any)	722	1398	2120
Postsecondary (any)	4901	1645	6546
Not stated	341	2	343
Total women	5991	3180	9171

Education	Private	Public	Cyprus
Primary or none	0.5%	4.2%	1.8%
Secondary (any)	12.8%	44.0%	24.0%
Postsecondary (any)	86.7%	51.8%	74.1%
Total women**	100.0%	100.0%	100.0%

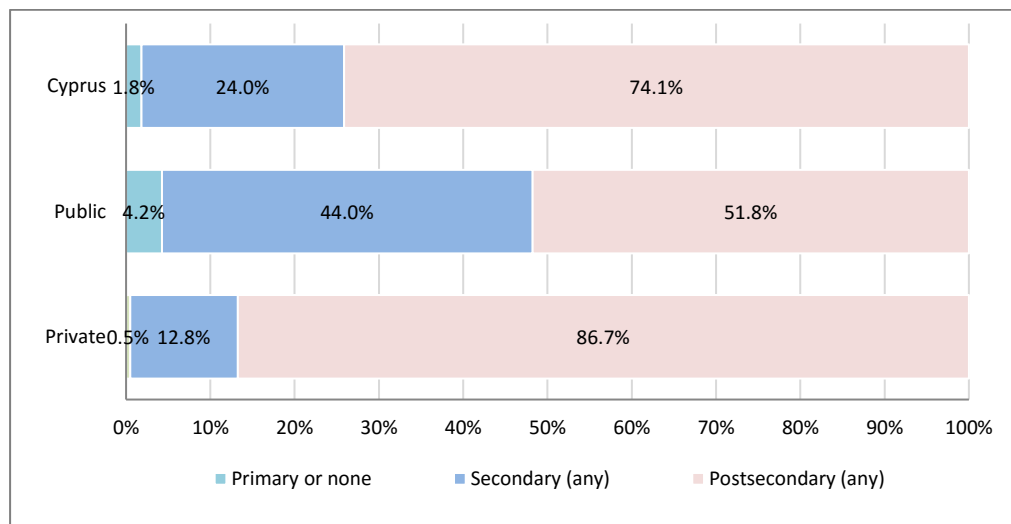
"Primary or none" concerns pre-primary or none and primary education.

"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

Figure 9. Percentage of distribution of mother's education, Cyprus Private and Public Sector 2015



The care of women and babies during pregnancy

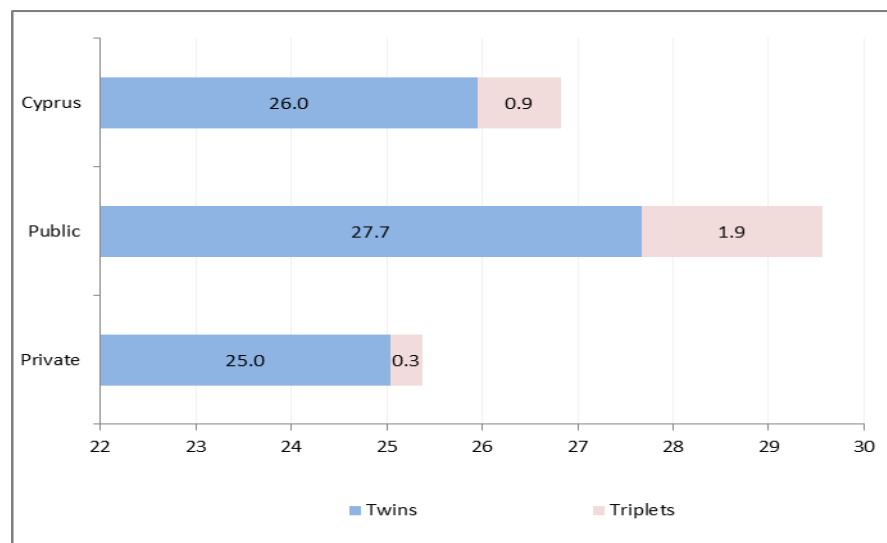
Plurality

Table 10. Multiple birth rates per 1000 women with live or stillbirths, by number of fetuses, Cyprus Private and Public Sector 2015

Plurality	Private	Public	Cyprus
Singles	5839	3086	8925
Twins	150	88	238
Triplets	2	6	8
Total women	5991	3180	9171

Plurality	Private	Public	Cyprus
Singles	974.6	970.4	973.2
Twins	25.0	27.7	26.0
Triplets	0.3	1.9	0.9
Total women	1000	1000	1000

Figure 10. Multiple birth rates per 1000 women with live or stillbirths, by number of fetuses, Cyprus Private and Public Sector 2015



Parity

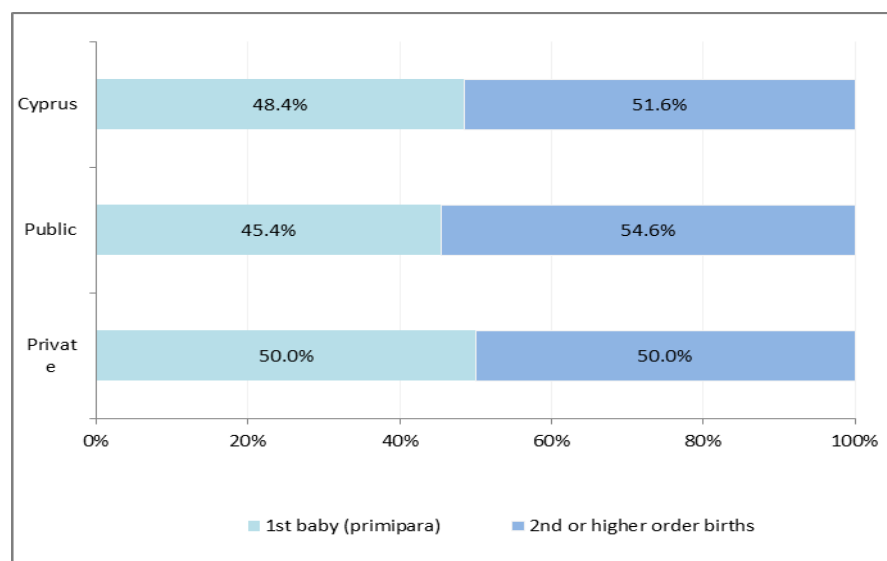
Table 11. Distribution of parity for women delivering live or stillbirths, Cyprus Private and Public Sector 2015

Parity	Private	Public	Cyprus
1st baby (primipara)	2995	1445	4440
2nd birth	2215	1108	3323
3rd birth	618	410	1028
4th or higher order births	158	217	375
Not stated	5	0	5
Total women	5991	3180	9171

Parity	Private	Public	Cyprus
1st baby (primipara)	50.0%	45.4%	48.4%
2nd or higher order births	50.0%	54.6%	51.6%
Total women*	100.0%	100.0%	100.0%

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

Figure 11. Percentage distribution of parity for women delivering live or stillbirths, Cyprus Private and Public Sector 2015



Smoking history

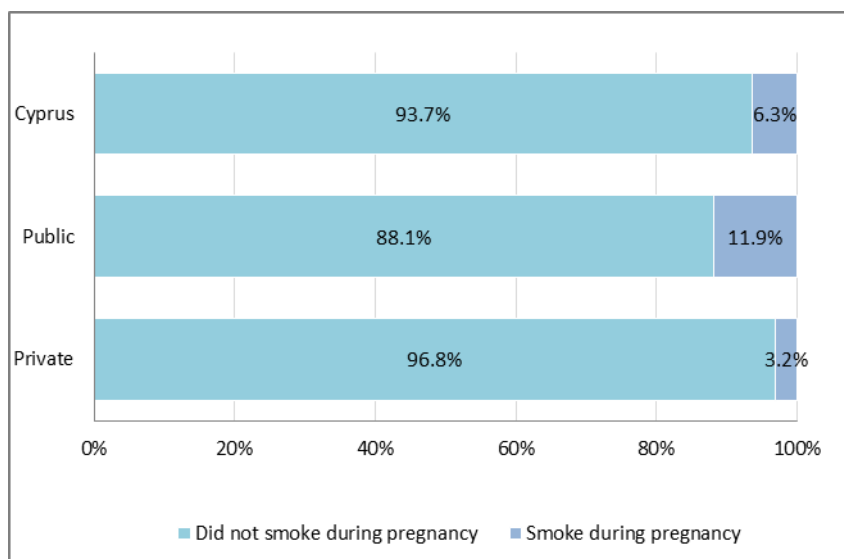
Table 12. Women by smoking history during pregnancy, Cyprus Private and Public Sector 2015

Smoking	Private	Public	Cyprus
Did not smoke during pregnancy	5498	2801	8299
Smoke during pregnancy	180	379	559
Not stated	313	0	313
Total women	5991	3180	9171

Smoking	Private	Public	Cyprus
Did not smoke during pregnancy	96.8%	88.1%	93.7%
Smoke during pregnancy	3.2%	11.9%	6.3%
Total women*	100.0%	100.0%	100.0%

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

Figure 12. Percentage of women by smoking history during pregnancy, Cyprus Private and Public Sector 2015



Psychoprophylaxis

Table 13. Women who used psychoprophylaxis during pregnancy, Cyprus Private and Public Sector 2015

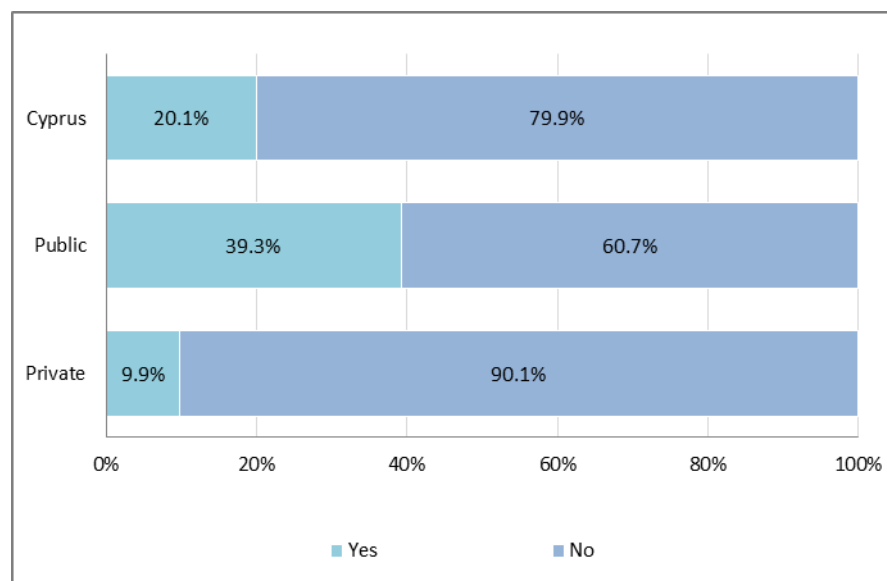
Psychoprophylaxis*	Private	Public	Cyprus
Yes	590	1249	1839
No	5397	1931	7328
Not stated	4	0	4
Total women	5991	3180	9171

Psychoprophylaxis	Private	Public	Cyprus
Yes	9.9%	39.3%	20.1%
No	90.1%	60.7%	79.9%
Total women**	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

Figure 13. Percentage of women who used psychoprophylaxis during pregnancy, Cyprus Private and Public Sector 2015



The care of women and babies during pregnancy

Assisted fertilization

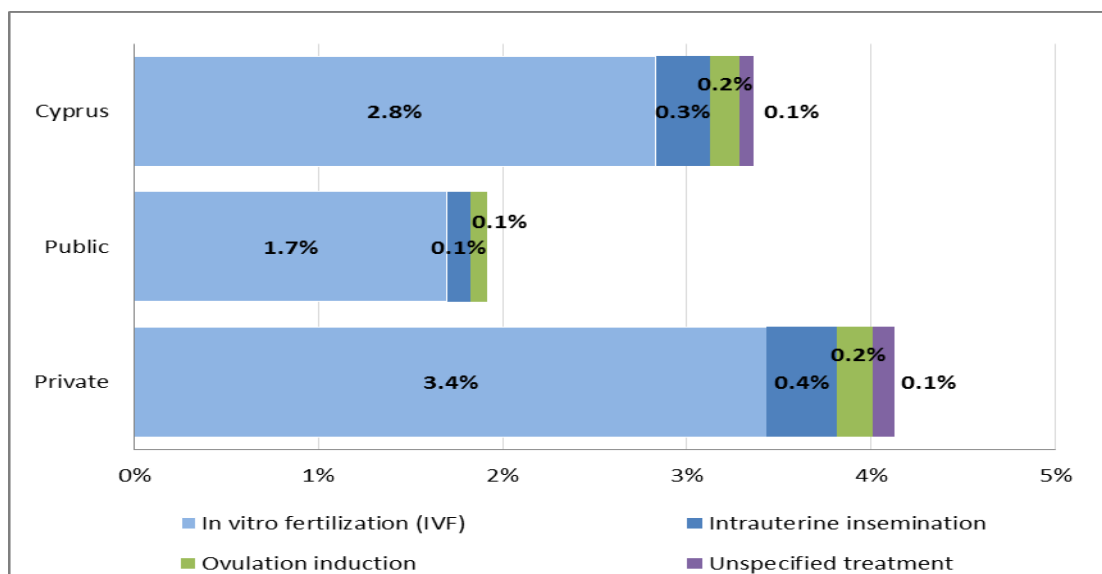
Table 14. Women following assisted pregnancy procedures, Cyprus Private and Public Sector 2015

Fertility treatment	Private	Public	Cyprus
None	5741	3119	8860
In vitro fertilization (IVF)	206	54	260
Intrauterine insemination	23	4	27
Ovulation induction	12	3	15
Unspecified treatment	7	0	7
Not stated	3	0	3
Total women	5991	3180	9171

Fertility treatment	Private	Public	Cyprus
None	95.9%	98.1%	96.6%
In vitro fertilization (IVF)	3.4%	1.7%	2.8%
Intrauterine insemination	0.4%	0.1%	0.3%
Ovulation induction	0.2%	0.1%	0.2%
Unspecified treatment	0.1%	0.0%	0.1%
Total women*	100.0%	100.0%	100.0%

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

Figure 14. Percentage of women Women following assisted pregnancy procedures, Cyprus Private and Public Sector 2015



Mode of delivery

Table 15. Total births by mode of delivery_ Cyprus Private and Public Sector 2008-2015

Mode of delivery by sector	2008	2009	2010	2011	2012	2013	2014	2015
Private Sector*	6509	6420	6714	6233	6064	5698	6205	6145
Caesarean (any)	3914	3753	3992	3690	3476	3510	3869	3748
Normal & Vaginal instrumental	2595	2667	2722	2543	2588	2188	2336	2397
Public Sector	2442	2940	3316	3527	4076	3681	3347	3280
Caesarean (any)	862	1131	1392	1511	1852	1672	1571	1612
Normal & Vaginal instrumental	1580	1809	1924	2016	2224	2009	1776	1668
Private and Public Sector	8951	9360	10030	9760	10140	9379	9552	9425
Caesarean (any)	4776	4884	5384	5201	5328	5182	5440	5360
Normal & Vaginal instrumental	4175	4476	4646	4559	4812	4197	4112	4065

Mode of delivery by sector	2008	2009	2010	2011	2012	2013	2014	2015
Private and Public Sector								
Caesarean (any)	53.4%	52.2%	53.7%	53.3%	52.5%	55.3%	56.9%	56.9%
Normal & Vaginal instrumental	46.6%	47.8%	46.3%	46.7%	47.5%	44.7%	43.1%	43.1%
Private								
Caesarean (any)	43.7%	40.1%	39.8%	37.8%	34.3%	37.4%	40.5%	39.8%
Normal & Vaginal instrumental	29.0%	28.5%	27.1%	26.1%	25.5%	23.3%	24.5%	25.4%
Public								
Caesarean (any)	9.6%	12.1%	13.9%	15.5%	18.3%	17.8%	16.4%	17.1%
Normal & Vaginal instrumental	17.6%	19.3%	19.2%	20.7%	21.9%	21.4%	18.6%	17.7%

* Births for the Cyprus Private Sector that presented in this table for the years 2008-2013 are data collected by Private Clinics Inspectors of the Medical and Public Health Services. These data are categorized only by mode of delivery. For the year 2014 and 2015 the data are derived from the Birth Registry of Health Monitoring Unit.

Figure 15. Percentage of Caesareans in total births_ Cyprus Private and Public Sector 2008-2015

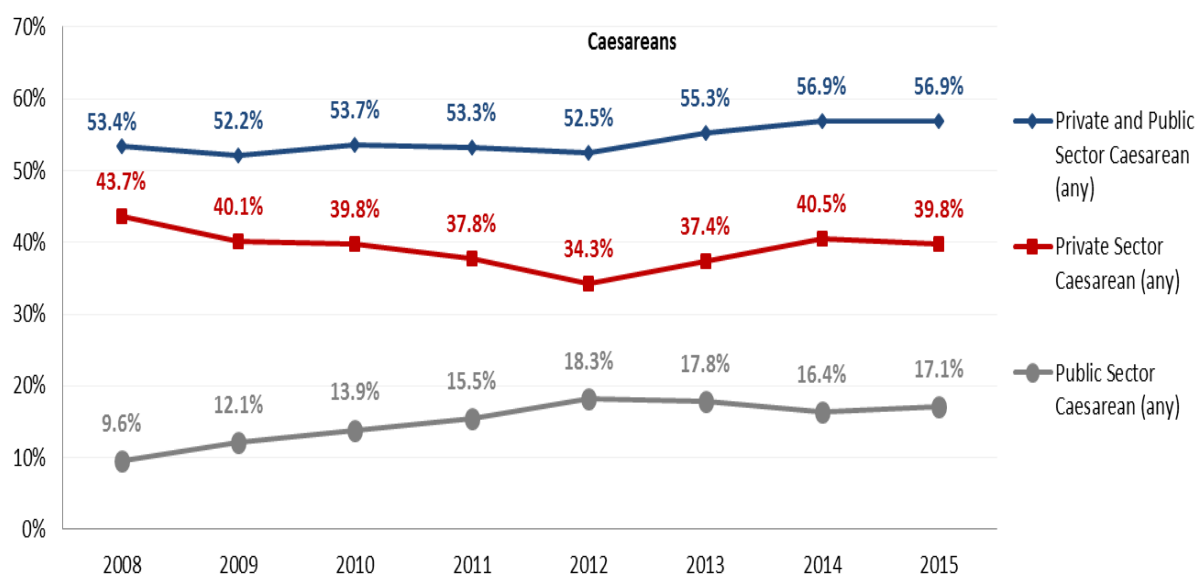


Table 16. Total births by mode of delivery, Cyprus Private and Public Sector 2015

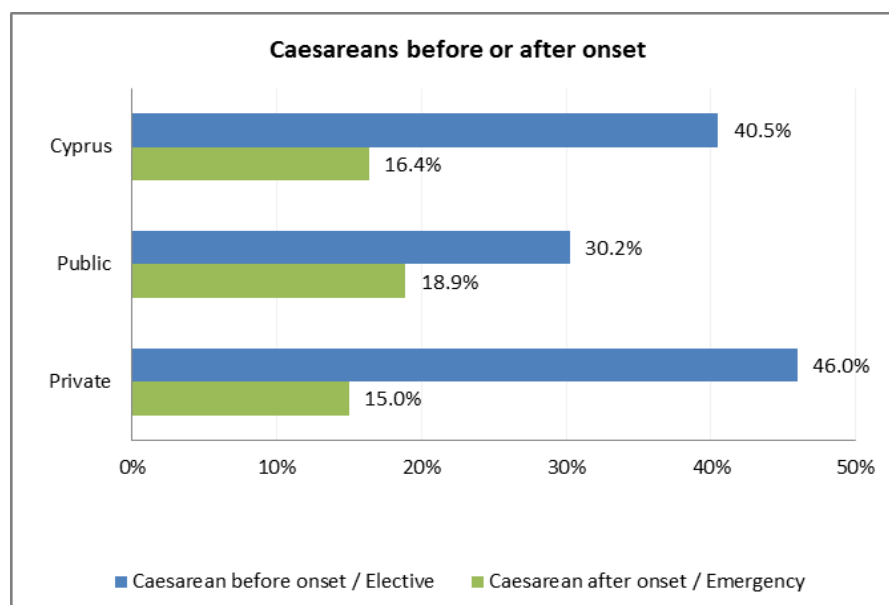
Mode of Delivery	Private	Public	Cyprus
Caesarean after onset / Emergency	922	620	1542
Caesarean before onset / Elective	2824	992	3816
Normal (incl. instrumental)	2396	1668	4064
Not stated	3	0	3
Total births (live & stillborn)	6145	3280	9425

Mode of Delivery	Private	Public	Cyprus
Caesarean after onset / Emergency	15.0%	18.9%	16.4%
Caesarean before onset / Elective	46.0%	30.2%	40.5%
Normal (incl. instrumental)	39.0%	50.9%	43.1%
Total births (live & stillborn)*	100.0%	100.0%	100.0%

"Emergency" or unplanned caesarean sections include all those that take place after labour has started.

"Elective" caesarean sections include all those planned before the onset of labour.

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

Figure 16. Caesarean distribution, Cyprus Private and Public Sector 2015


Admission to Neonatal Intensive Care Unit (NICU)

Table 17. *Live births by admission to Neonatal Intensive Care Unit (NICU), Cyprus Private and Public Sector 2015*

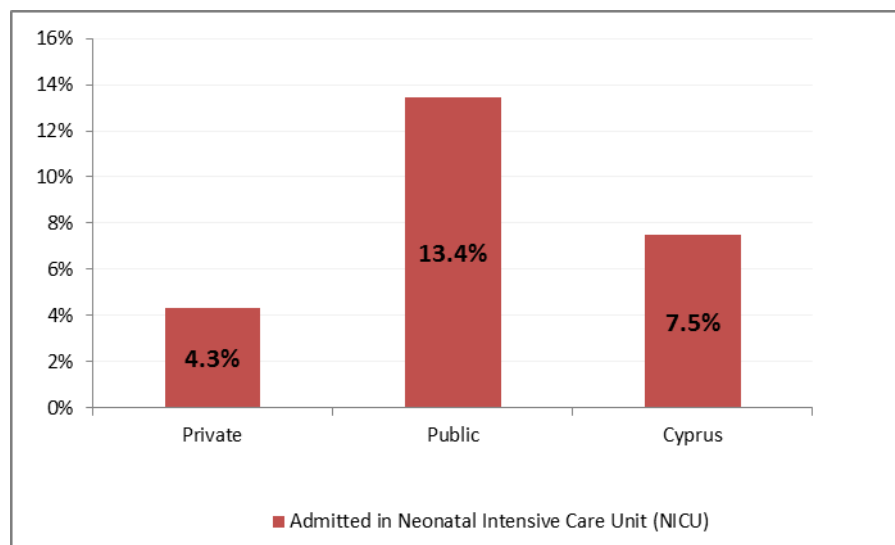
Neonatal Intensive Care Unit (NICU) admission	Private	Public	Cyprus
No admission in Neonatal Intensive Care Unit (NICU)	5865	2826	8691
Admitted in Neonatal Intensive Care Unit (NICU)	264	439	703
Live births	6129	3265	9394

Neonatal Intensive Care Unit (NICU) admission	Private	Public	Cyprus
No admission in Neonatal Intensive Care Unit (NICU)	95.7%	86.6%	92.5%
Admitted in Neonatal Intensive Care Unit (NICU)	4.3%	13.4%	7.5%
Live births	100.0%	100.0%	100.0%

Denominator: Live births

* NICU is only available at Makario Hospital (Nicosia District)

Figure 17. *Percentage of live births admitted to Neonatal Intensive Care Unit (NICU), Cyprus Private and Public Sector 2015*



Breast feeding (first 48 hours)

Table 18. Live births by mode of breastfeeding during the first 48 hours, Cyprus Private and Public Sector 2015

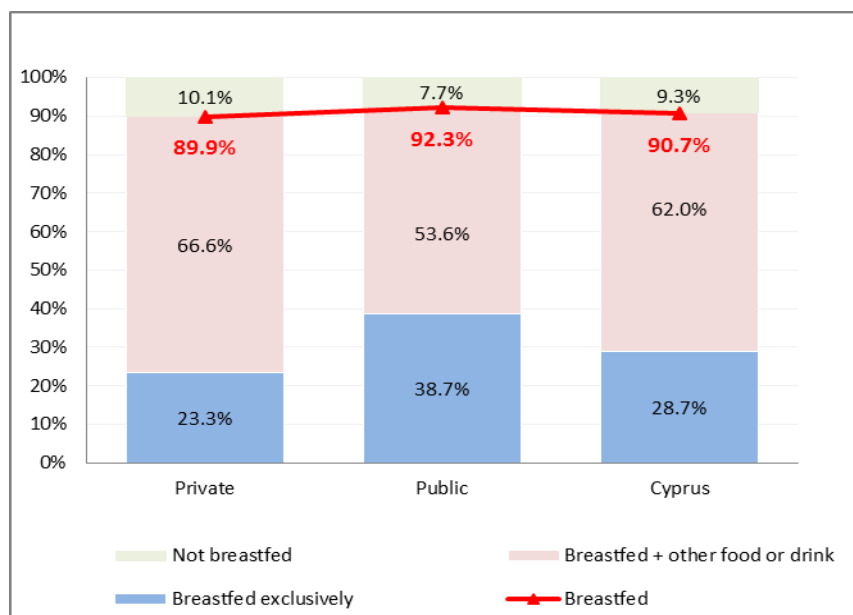
Breastfeeding	Private	Public	Cyprus
Breastfed exclusively	1375	1263	2638
Breastfed plus other food or drink	3938	1749	5687
Not breastfed	598	253	851
Not stated	218	0	218
Live births	6129	3265	9394

Breastfeeding	Private	Public	Cyprus
Breastfed exclusively	23.3%	38.7%	28.7%
Breastfed plus other food or drink	66.6%	53.6%	62.0%
Not breastfed	10.1%	7.7%	9.3%
Live births*	100.0%	100.0%	100.0%
Breastfed either exclusively or combination with other food or drink	89.9%	92.3%	90.7%

Denominator: Live births

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

Figure 18. Percentage of live births by mode of breastfeeding during the first 48 hours, Cyprus Private and Public Sector 2015



Babies' health

Fetal mortality

Table 19. Fetal Mortality per 1000 total births, Cyprus Private and Public Sector 2015

Vital status	Private	Public	Cyprus
Liveborn	6129	3265	9394
Stillborn limit 22 weeks of gestation	16	15	31
Total births	6145	3280	9425
Stillborn limit 28 weeks of gestation	11	7	18

Vital status	Private	Public	Cyprus
Liveborn	997.4	995.4	996.7
Stillborn limit 22 weeks of gestation	2.6	4.6	3.3
Per 1000 total births	1000	1000	1000
Stillborn limit 28 weeks of gestation	1.7	2.1	1.9

Figure 19. Fetal Mortality per 1000 total births, Cyprus Private and Public Sector 2015

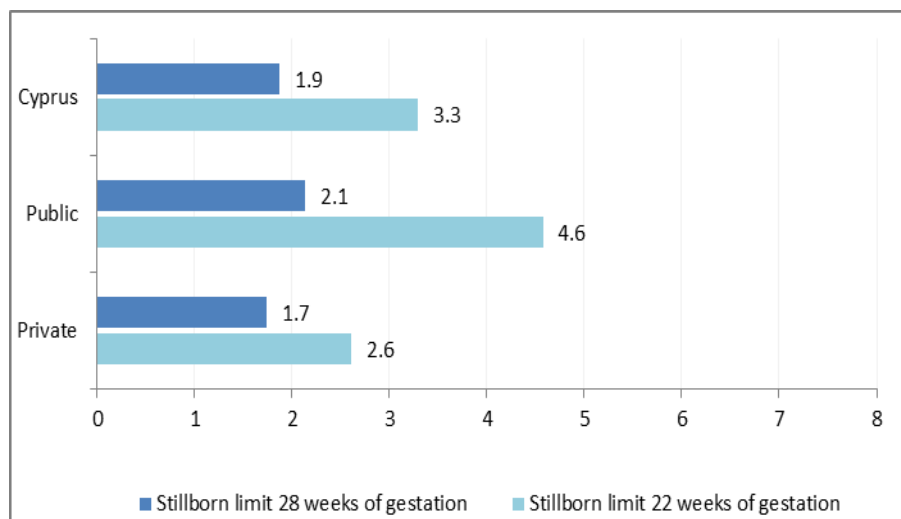
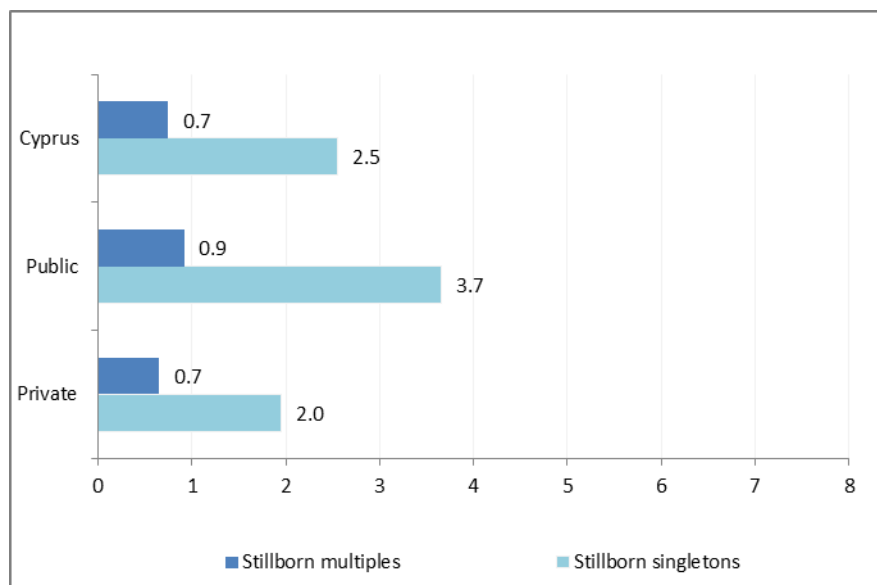


Table 20. Fetal Mortality per 1000 singleton and multiple births, Cyprus Private and Public Sector 2015

Vital status	Private	Public	Cyprus
Liveborn	6129	3265	9394
Stillborn singletons	12	12	24
Stillborn multiples	4	3	7
Total births	6145	3280	9425

Vital status	Private	Public	Cyprus
Liveborn	997.4	995.4	996.7
Stillborn singletons	2.0	3.7	2.5
Stillborn multiples	0.7	0.9	0.7
Per 1000 total births	1000	1000	1000

Figure 20. Fetal Mortality per 1000 singleton and multiple births, Cyprus Private and Public Sector 2015



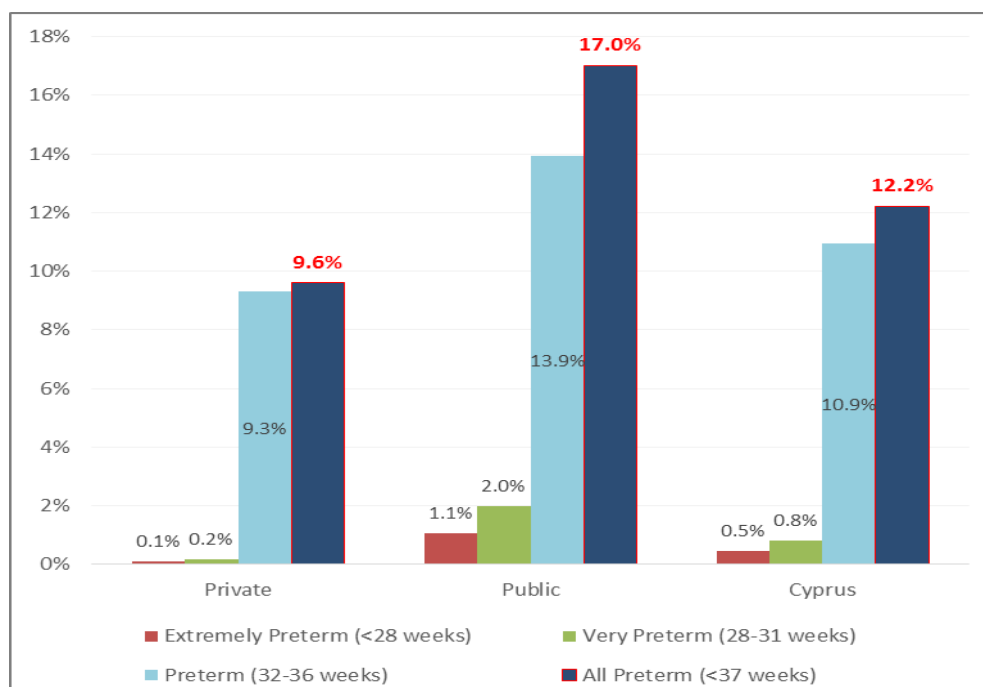
Gestational age

Table 21. Total births by gestational age, Cyprus Private and Public Sector 2015

Gestational age	Private	Public	Cyprus
Extremely Preterm (<28 weeks)	7	35	42
Very Preterm (28-31 weeks)	11	65	76
Preterm (32-36 weeks)	557	456	1013
Term (37 weeks or more)	5415	2715	8130
Not stated	155	9	164
Total births (live & stillborn)	6145	3280	9425

Gestational age	Private	Public	Cyprus
Extremely Preterm (<28 weeks)	0.1%	1.1%	0.5%
Very Preterm (28-31 weeks)	0.2%	2.0%	0.8%
Preterm (32-36 weeks)	9.3%	13.9%	10.9%
Term (37 weeks or more)	90.4%	83.0%	87.8%
Total births (live & stillborn)*	100.0%	100.0%	100.0%
All Preterm (<37 weeks)	9.6%	17.0%	12.2%

Figure 21. Percentage of total births by gestational age, Cyprus Private and Public Sector 2015



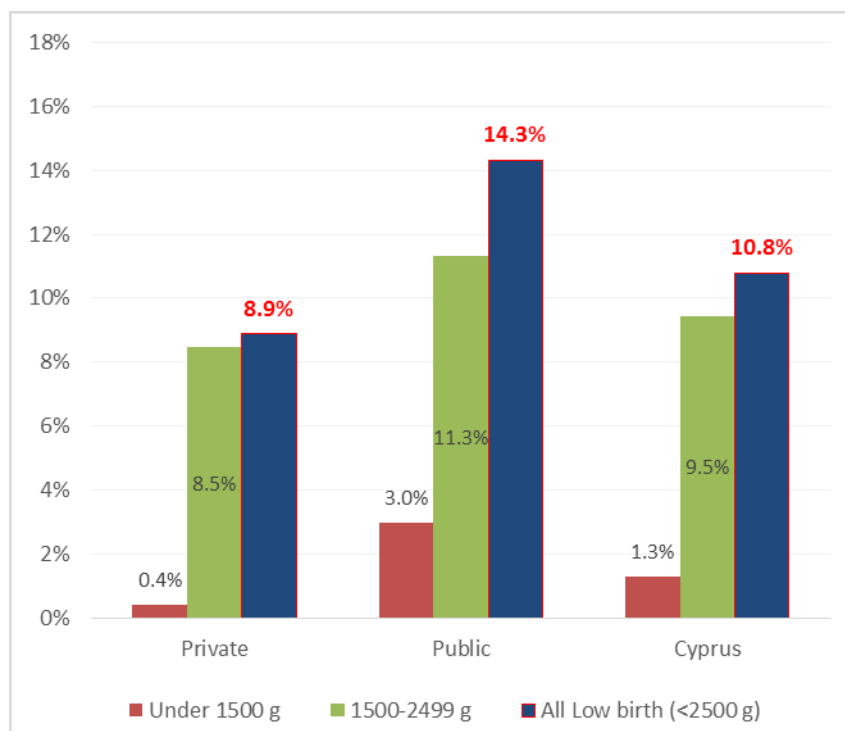
Birthweight

Table 22. Total births by birthweight, Cyprus Private and Public Sector 2015

Birthweight	Private	Public	Cyprus
Under 1500 g	26	98	124
1500-2499 g	516	371	887
2500 g or more	5558	2811	8369
Not stated	45	0	45
Total births (live & stillborn)	6145	3280	9425

Birthweight	Private	Public	Cyprus
Under 1500 g	0.4%	3.0%	1.3%
1500-2499 g	8.5%	11.3%	9.5%
2500 g or more	91.1%	85.7%	89.2%
Total births (live & stillborn)*	100.0%	100.0%	100.0%
All Low birth (<2500 g)	8.9%	14.3%	10.8%

Figure 22. Percentage of total births by birthweight, Cyprus Private and Public Sector 2015



Mortality rates

Table 23. Fetal, neonatal and infant mortality rates, Cyprus 2004-2015

Fetal, neonatal and infant deaths*	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Fetal (deadborn fetus of 22 or more completed weeks of gestation)	–	–	–	–	–	–	–	34	42	47	50	30
Early neonatal (0-6 days)	10	24	15	9	18	11	18	13	24	5	11	15
Late neonatal (7-27 days)	3	4	4	5	4	7	2	3	4	3	3	3
Post neonatal (28-365 days)	16	11	8	13	10	14	8	9	7	7	5	6
Infant deaths (0-365 days)	29	39	27	27	32	32	28	25	35	15	19	24

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Live births Cyprus**	8309	8243	8731	8575	9205	9608	9801	9622	10161	9341	9268	9198
Total births Cyprus (Live & Stillbirths)	–	–	–	–	–	–	–	9656	10203	9388	9318	9228
Fetal mortality rate per 1000 total births	–	–	–	–	–	–	–	3.5	4.1	5.0	5.4	3.3
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	1.2	1.6
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	0.3	0.3
Post neonatal mortality rate per 1000 live births	1.9	1.3	0.9	1.5	1.1	1.5	0.8	0.9	0.7	0.7	0.5	0.7
Infant (0-365 days) mortality rate per 1000 live births	3.5	4.7	3.1	3.1	3.5	3.3	2.9	2.6	3.4	1.6	2.1	2.6

* Source: Death Registry 2004-2015, Health Monitoring Unit, Ministry of Health

** Source: The data for the years 2004-2013 derived from the Demographic Report 2014 of the Statistical Service of Cyprus. However, for the years 2014 and 2015, the data derived from the Birth Registry of the Health Monitoring Unit.

Notes: Live births and stillbirths presented in the above table are only of mothers that are residents in the Government Controlled Areas. The data for live births used in the above table (=9198) differ from these of the Cyprus Statistical Service's live births (=9170) due to the different periods of data collection and processing.

Figure 23. Fetal mortality rates per 1000 total births, and neonatal and infant mortality rates per 1000 live births, Cyprus 2004-2015
