



## FIVNAT STATISTICS 2013

### A) Number and type of treatments

#### A1) Statistics by cycle and treatment type

##### A1.1 Treatment cycles and fertilisation type

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
IVF	878	15,9%	600	14,2%	1478	15,2%
ICSI	4627	84,0%	3439	81,4%	8066	82,9%
Unknown	1	0,0%	184	4,4%	185	1,9%
<b>Total</b>	<b>5506</b>	<b>100,0%</b>	<b>4223</b>	<b>100,0%</b>	<b>9729</b>	<b>100,0%</b>

Note A1.1 : Reference population - All performed cycles in 2013

##### A1.2 Treatment cycles and resulting pregnancies

	Resident in Switzerland		Resident abroad		Unknown residence	
	Fresh Cycles	Cryo Cycles	Fresh Cycles	Cryo Cycles	Fresh Cycles	Cryo Cycles
Number of initiated treatment cycles	5081	4019	425	204	0	0
Number of oocytes punctures	4600	0	364	0	0	0
Number of transfer cycles	3787	3457	302	180	0	0
Number of clinical pregnancies	1029	802	52	29	0	0
Transfers by cycles (%)	74,5%	86,0%	79,6%	88,2%	0,0%	0,0%
Pregnancies by cycles (%)	20,3%	20,0%	12,2%	14,2%	0,0%	0,0%
Pregnancies by transfer	27,2%	23,2%	17,2%	16,1%	0,0%	0,0%

Note A1.2: Reference population - All performed cycles in 2013

#### A2) Number of treated couples

A2.1 Number of treated couples	n
Number of women treated in 2013	5411
Number of women having started a treatment in 2013	3115

#### A3) Statistics by treated couples (All treated couples in 2013)

##### A3.1 Age of women and partners

	Number of women with known age	Mean age	Minimum age	Maximum age
Women's age (years)	5411	36,3	20,0	50,9
Partners' age (years)	5410	39,6	21,5	66,9

Note A3.1 : The reference population is the total number of treated women treated in 2013. Each woman is accounted for only once

##### A3.2 Women's age class

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
≤ 29 years	351	9,1%	119	7,7%	470	8,7%
30-34 years	1108	28,7%	464	29,9%	1572	29,1%
35-39 years	1521	39,4%	640	41,2%	2161	39,9%
40-44 years	804	20,8%	310	20,0%	1114	20,6%
≥ 45 years	74	1,9%	20	1,3%	94	1,7%
Unknown	0	0,0%	0	0,0%	0	0,0%
<b>Total</b>	<b>3858</b>	<b>100,0%</b>	<b>1553</b>	<b>100,0%</b>	<b>5411</b>	<b>100,0%</b>

Note A3.2 : The reference population is the total number of treated women treated in 2013. Each woman is accounted for only once



<b>A3.3 Women's residence</b>						
	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Swiss resident	3551	92,0%	1457	93,8%	5008	92,6%
Resident abroad	307	8,0%	96	6,2%	403	7,4%
Inconnu	0	0,0%	0	0,0%	0	0,0%
<b>Total</b>	<b>3858</b>	<b>100,0%</b>	<b>1553</b>	<b>100,0%</b>	<b>5411</b>	<b>100,0%</b>

Note A3.3 : The reference population is the total number of women treated in 2013. Each woman is accounted for only once

#### **A4) Statistics by treated couples (Only women having started treatment in 2013)**

<b>A4.1 Age of women having started treatment in 2013 and age of partners</b>				
	Number of women with known age	Mean age	Minimum age	
Women's age (years)	3115	36,1	20,0	50,9
Partners' age (years)	3115	39,3	21,5	64,0

Note A4.1 : The reference population is the total number of women having started treatment in 2013.

Each woman is accounted for only once

<b>A4.2 Women's having started treatment in 2013 age class</b>						
	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
≤ 29 years	304	9,8%	0	0,0%	304	9,8%
30-34 years	946	30,4%	0	0,0%	946	30,4%
35-39 years	1205	38,7%	0	0,0%	1205	38,7%
40-44 years	611	19,6%	0	0,0%	611	19,6%
≥ 45 years	49	1,6%	0	0,0%	49	1,6%
Unknown	0	0,0%	0	0,0%	0	0,0%
<b>Total</b>	<b>3115</b>	<b>100,0%</b>	<b>0</b>	<b>0,0%</b>	<b>3115</b>	<b>100,0%</b>

Note A4.2 : The reference population is the total number of women having started treatment in 2013.

Each woman is accounted for only once

<b>A4.3 Residence of women having started treatment in 2013</b>						
	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Swiss resident	2902	93,2%	0	0,0%	2902	93,2%
Resident abroad	213	6,8%	0	0,0%	213	6,8%
Unknown	0	0,0%	0	0,0%	0	0,0%
<b>Total</b>	<b>3115</b>	<b>100,0%</b>	<b>0</b>	<b>0,0%</b>	<b>3115</b>	<b>100,0%</b>

Note A4.3 : The reference population is the total number of women having started treatment in 2013.

Each woman is accounted for only once

#### **B) Treatment indications for women having started treatment in 2013**

<b>B1 Treatment indications</b>	n	%
<b>Total number of women having started treatment in 2013</b>	3115	100
Tubal	193	6,2%
Male infertility	1126	36,1%
Endometriosis	125	4,0%
Immunologic infertility (male only)	7	0,2%
Anovulation/dysovulation/PCOS	184	5,9%
Donor sperm IVF/ICSI	41	1,3%
Idiopathic infertility	420	13,5%
Discordance HIVG	0	0,0%
Other indications (including multiple indications)	1017	32,6%
Unknown	2	0,1%



### C) Donors' sperm usage

#### C1 Donors' sperm usage

	n
Number of cycles with donor's sperm	198
Number of couples receiving donor's sperm	126
Number of transfers with donor's sperm	158

### D) Zygotes and embryos usage

#### D1 Zygotes and embryos usage

	Fresh Cycles		Cryo Cycles	
	n		n	
Number of oocytes retrieved	41853		0	
Number of oocytes fertilized	35061		126	
Number of zygotes obtained	23023		66	
Number of embryos obtained	8315		7335	
Number of zygotes cryopreserved	14204		7	
Number of embryos cryopreserved	86		16	
Number of zygotes thawed	—		9599	
Number of embryos thawed	—		96	
Number of embryos transferred	7601		6494	

#### D2 Number of cycles

	n	%
... with 1 embryo transferred	2189	28,3%
... with 2 embryos transferred	4705	60,9%
... with 3 embryos transferred	832	10,8%
... with more than 3 embryos transferred	0	0,0%
... Unknown	0	0,0%

### E) Number of supernumerary embryos

#### E1 Number of embryos destroyed in fresh cycles and reasons

	n	%
<b>Total number of destroyed embryos</b>	763	100
<b><i>Destruction of embryos in the laboratory</i></b>	710	93,1%
1) Developmental arrest/Cleavage arrest	353	46,3%
2) Very low developmental potential	174	22,8%
3) Decision by the couple	160	21,0%
4) Other reasons	11	1,4%
5) Reason unknown	12	1,6%
<b><i>Transfer of embryos in the vagina</i></b>	53	6,9%

#### E2 Number of embryos destroyed in thawing cycles and reasons

	n	%
<b>Total number of destroyed embryos</b>	796	100
<b><i>Destruction of embryos in the laboratory</i></b>	767	96,4%
1) Developmental arrest/Cleavage arrest	639	80,3%
2) Very low developmental potential	63	7,9%
3) Decision by the couple	62	7,8%
4) Other reasons	3	0,4%
5) Reason unknown	0	0,0%
<b><i>Transfer of embryos in the vagina</i></b>	29	3,6%



<b>E3.1 Number of zygotes destroyed in destruction cycles and reason</b>				
	Zygotes cryopreserved and then destroyed			
	n		%	
<b>Number of destruction cycles</b>	694			
<b>Number of zygotes destroyed</b>	3268		100	
1) Decision by the couple	2083		63,7%	
2) Lost contact with the couple	20		0,6%	
3) End of cryo contract	881		27,0%	
4) Other reasons	284		8,7%	
5) Reason unknown	0		0,0%	

<b>E3.2 Number of embryos destroyed in destruction cycles and reason</b>				
	Embryos cryopreserved and then destroyed			
	n		%	
<b>Number of destruction cycles</b>	20			
<b>Number of embryos destroyed</b>	26		100	
1) Decision by the couple	24		92,3%	
2) Lost contact with the couple	0		0,0%	
3) End of cryo contract	2		7,7%	
4) Other reasons	0		0,0%	
5) Reason unknown	0		0,0%	

<b>E4 Embryos donated for research and reasons</b>				
	n		%	
<b>Number of embryos donated for research</b>	0		100	
1) Developmental arrest/Cleavage arrest	0		0,0%	
2) Very low developmental potential	0		0,0%	
3) Decision by the couple	0		0,0%	
4) Other reasons	0		0,0%	
5) Reason unknown	0		0,0%	



## F) Number of pregnancies and issue

### F1 Number of pregnancies and issue

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Pregnancies* (see table A1.2)	1081	100,0%	831	100,0%	1912	100,0%
Deliveries	788	72,9%	596	71,7%	1384	72,4%
Spontaneous abortions	250	23,1%	202	24,3%	452	23,6%
Ectopic pregnancies	22	2,0%	18	2,2%	40	2,1%
Ectopic and intra uterine pregnancies	0	0,0%	0	0,0%	0	0,0%
Induced abortion	9	0,8%	5	0,6%	14	0,7%
Pregnancy result unknown	12	1,1%	10	1,2%	22	1,2%

### F2 Single/multiple birth deliveries

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Total no of deliveries (see table F1)	788	100,0%	596	100,0%	1384	100,0%
Delivery of singletons	662	84,0%	512	85,9%	1174	84,8%
Delivery of twins	125	15,9%	81	13,6%	206	14,9%
Delivery of triplets	1	0,1%	3	0,5%	4	0,3%
Delivery of more than 3 babies	0	0,0%	0	0,0%	0	0,0%
Unknown results	0	0,0%	0	0,0%	0	0,0%

### F3 Live births and stillbirths (all births)

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Number of births	915	100,0%	683	100,0%	1598	100,0%
Live births	911	99,6%	681	99,7%	1592	99,6%
Stillbirths	4	0,4%	2	0,3%	6	0,4%
Unknown	0	0,0%	0	0,0%	0	0,0%

### F3 Live births and stillbirths (swiss resident women)

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Number of births	869	100,0%	660	100,0%	1529	100,0%
Live births	865	99,5%	658	99,7%	1523	99,6%
Stillbirths	4	0,5%	2	0,3%	6	0,4%
Unknown	0	0,0%	0	0,0%	0	0,0%

### F5 Health status of live births

	Fresh Cycles		Cryo Cycles		Total	
	n	%	n	%	n	%
Live births (see Table F3)	911	100,0%	681	100,0%	1592	100,0%
Neonatal death (day 1 to 6)	4	0,4%	3	0,4%	7	0,4%
Neonatal death (day 7 to 28)	9	1,0%	6	0,9%	15	0,9%
Alive + complications	3	0,3%	0	0,0%	3	0,2%
Malformation	13	1,4%	11	1,6%	24	1,5%
Unknown	0	0,0%	0	0,0%	0	0,0%

### F6. Number of infants born with sperm donation

27