



ART's data collection in Turkey : Current Status, Problems and Solutions

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EIM Representative

ART Centers opened in Turkey

- 1987 : 1
- 1988 : -
- 1989 : 1
- 1990 : 1
- 1991 : 1
- 1992 : 1
- 1993 : 3
- 1994 : -
- 1995 : -
- 1996 : 3
- 1997 : 5
- 1998 : 7
- 1999 : 4
- 2000 : 7
- 2001 : 8
- 2002 : 6
- 2003 : 6
- 2004 : 6
- 2005 : 17
- 2006 : 15
- 2007 : 11
- 2008 : 4

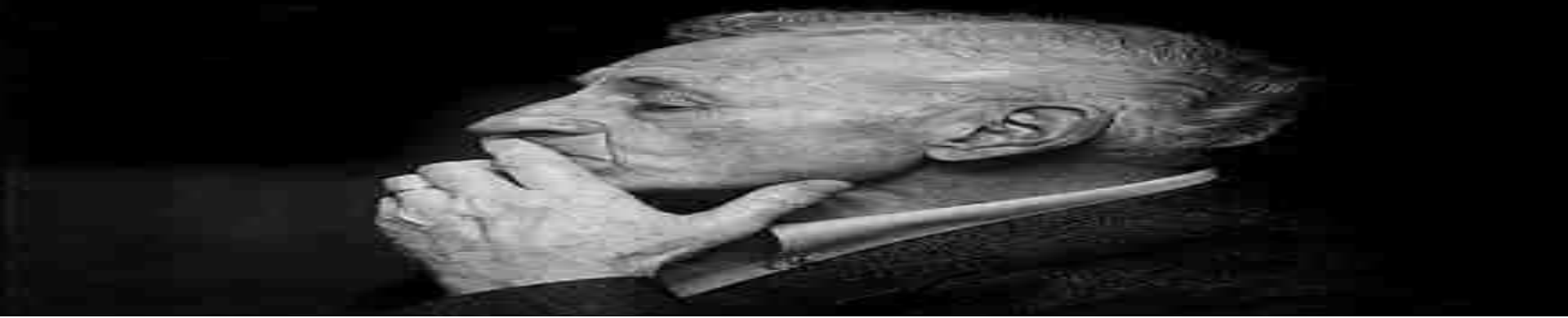


- **Turkey**

2010 : Total 112 IVF Centers in

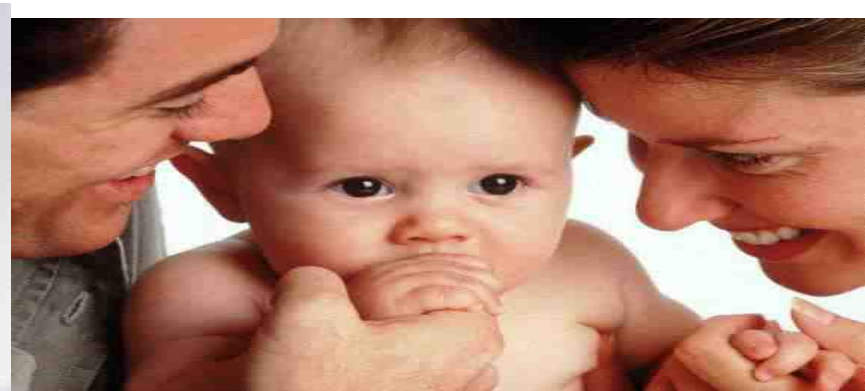
Regulation

- **112 IVF Centers in 26 different cities**
- **25 are in the public and in the university hospitals**
- **87 are private centers**
- **40 centers in Istanbul , 16 centers in Ankara and 9 centers in Izmir**
- **12 training centers which may give certificate for clinicians and embryologist . (will be improved in quality)**
- **Each center must report its data every 6 and 12 months**
- **Every year more detailed data including the fate of the pregnancies should be given**
- **Every center regularly visited by the representatives of the Ministry of Health every 3-6 months**
- **Reimbursement for first two treatment cycles**



Ministry of Health Data Collection Unit

Not very well organized currently
They have data / data quality should be
improved



ART Data Collection Programme in Turkey

- **Reporting requirement : Compulsory**
- **Responsibility for register : National Health Authority (Ministry of Health)**
- **Reporting Methods: Summaries of cycles reported by the clinics; No complete data asked in the EIM questionnaire forms**
- **Link to the other registers : No link to the birth,congenital anomalies,cytogenetic,cryopreservation,PGD,disease registers**
- **In IVF register,there is info available on : PGD,malformations (insufficient)**



Form 2 : Number of treatments and pregnancies

Fresh cycles

	IVF						ICSI					
	Initiated	Aspiration s	Transfer s	Pregnancie s	Deliveries (not babies)		Initiated	Aspiration s	Transfers	Pregnancie s	Deliveries (not babies)	
					Total	with live birth					Total	with live birth
Turkey 2003	832	784	767	449 (58.8)	95 (12.3)	102	15329	13874	13209	5204(39.3)	1728(13.8)	1632
Turkey 2004	561	532	518	212 (40.9)	67 (12.9)	65	20464	19606	17731	7436(41.9)	2428(13.6)	2426
Turkey 2005	707	561	532	249 (46.8)	68 (12.7)	66	24870	23807	23205	8626(37.1)	2111(9.1)	2064
Turkey 2006	914	867	831	415 (49.9)	126 (15.1)	129	31989	31212	27500	11653(42.4)	3575(13.0)	3334
Total (2003-2006)	3014	2744	2648	1325(50.1)	356(13.4)	362	92652	88499	81645	32919(40)	9842(12.0)	9456

***The percentage of the deliveries and live births are very low due to the problems on the data collection system and statistical analysis methods!**

***Most of the centers may have this data in their files !!**

Form 3 . Results By Woman's Age and ART Technique



Fresh cycles

After IVF

After ICSI

Age ≤ 34

Age 35 - 39

Age ≥ 40

Age ≤ 34

Age 35 - 39

Age ≥ 40

Country name

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Aspiration
s

Pregnancie
s

Deliveries
(not babies)

Deliveries
(not babies)

Turkey 2003

Turkey 2004

Turkey 2005

Turkey 2006

Not Available !?

Most of the centers may (must) have this data in their files !!

Form 4. Results by Number of Transferred Embryos



Country name	Transfers of 1 embryo, all								Transfers of 1 embryo, elective								Transfers of 2 embryos, all							
	Transfer	Pregnancies	Pregnancy	Deliveries (not babies)					Transfer	Pregnancies	Pregnancy	Deliveries (not babies)					Transfer	Pregnancies	Pregnancy	Deliveries (not babies)				
	cycles	Clinical	Losses	Total	Singleton	Twin	Triplet or +	Lost to follow-up	cycles	Clinical	Losses	Total	Singleton	Twin	Triplet or +	Lost to follow-up	cycles	Clinical	Losses	Total	Singleton	Twin	Triplet or +	Lost to follow-up
Turkey 2003																								
Turkey 2004																								
Turkey 2005																								
Turkey 2006																								

Not Available !?

This data is important for the decision of single or double ET

Quality control of the center

Most of the centers must have these data in their files !!

Form 5. Gestational Age by Treatment and Multiple Deliveries



Fresh cycles (total aspiration cycles following IVF and/or ICSI)

	Singleton deliveries							Twin deliveries							Triplet deliveries							Quadruplet or plus deliveries						
Country name	All	20-27	28-32	33-36	37-41	42+	Unknown	All	20-27	28-32	33-36	37-41	42+	Unknown	All	20-27	28-32	33-36	37-41	42+	Unknown	All	20-27	28-32	33-36	37-41	42+	Unknown
Turkey 2003	Not Available !?																											
Turkey 2004																												
Turkey 2005																												
Turkey 2006																												

- Most of the centers must (may) have this data in their files !!
- Single embryo transfer (SET) is permitted with new regulation
- More than one ET should be informed and explained (maximum two)

Form 6. Neonates Outcome in Relation to Treatment



Fresh cycles (total aspiration cycles following IVF and/or ICSI)

	Singletons					Twins					Triplets					Quadruplets or higher				
Country name	Total Neonates	Stillbirths	Live Births	Neonatal Deaths	Unknown health	Total Neonates	Stillbirths	Live Births	Neonatal Deaths	Unknown health	Total Neonates	Stillbirths	Live Births	Neonatal Deaths	Unknown health	Total Neonates	Stillbirths	Live Births	Neonatal Deaths	Unknown health
Turkey 2003																				
Turkey 2004																				
Turkey 2005																				
Turkey 2006																				

Not Available !?

- * Very important information
- * Should be in the files of centers
- * Ministry of Health should stress its importance and urge the parties to collect this data properly !

Form 9. Complications of treatment



	Women's complications					Congenital anomalies														
	with admission to hospital or medical intervention					IVF Fresh cycles				ICSI Fresh cycles				FET (IVF and / or ICSI) cycles						
	OHSS	Oocyte retrieval				Total	Delivered	Fetal losses		Total	Delivered	Fetal losses		Total	Delivered	Fetal losses				
Country name	Total	Total	Bleeding	Infection	Maternal death (documented)			Spontaneous	Induced	Total			Spontaneous	Induced	Total			Spontaneous	Induced	Total
Turkey 2003	134 (0.8)	157 (1.0)	10	4	0	0					25									
Turkey 2004	182 (0.9)	206 (1.0)	14	1	0	0					17									
Turkey 2005	203 (0.8)	255 (1.0)	23	7	0	0					17									
Turkey 2006	393 (1.2)	75 (1.0)	72	2	0	1					29					2				
Total 2003-2006	912 (0.9)	693 (1.0)	119	14	0	1					88					2				

Problems in data collection !
Low and/or incomplete data !

ART Cycles

	<u>No</u>	<u>IVF</u>	<u>ICSI</u>	<u>Total</u>
• 2003 :	48	832	15 323	16 161
• 2004 :	54	561	20 464	21 025
• 2005 :	61	707	24 870	25 577
• 2006 :	77	914	31 989	32 903
• 2007 :	92	785	34 601	35 386
• 2008 :	107	885	43 043	43 928
Total :				<u>174 980</u>

2006 IVF/ICSI DATA

• IVF Centers	77
• Cycles	32 552
• ET	31 765
• Clinical pregnancy	2 009
• Live birth registired	7 444
• PR/Cycle	36.89 %
• PR/OPU	37.80 %
• PR/ET	42.82 %
• Cycles/year	35-3046
• Only ICSI	49 centers
• Only IVF cycles	914 (5.6 %)

2006 IVF/ICSI DATA

Data on 28 040 cyles

- **SET** **3 177**
11.33%
- **DET** **6 439**
22.96%
- **TET** **15 056**
53.69%
- **4 and more** **3 297**
11.75%

2006 IVF/ICSI DATA

7444 pregnancy data

- **Single delivery** **4830** **64.89%**
 - **Twin delivery** **2392** **32.13%**
 - **Triple delivery** **222** **2.98%**
-
- **Spontaneous abortion : 9.7%**
(1172/12009)

2007 IVF/ICSI DATA

• IVF Centers	92
• Cycles	35 386
• ET	31 568
• Clinical pregnancy	12 901
• Live birth registired	3 727
• PR/Cycle	35.57 %
• PR/OPU	36.61 %
• PR/ET	39.85 %
• Cycles/year	27-2436
• Only ICSI	28 centers
• Ony IVF	785 (2.21 %)

2007 IVF/ICSI DATA

31 808 ET Data

- SET 3 643
11.45%
- DET 7 654
24.06%
- TET 16 793
52.79%
- 4 and more 3 718
11.68%

2007 IVF/ICSI DATA

3727 pregnancy data

- **Single delivery** **2 346**
62.94%
- **Twin delivery** **1 227**
32.92%
- **Triple delivery** **143**
3.83%
- **4 and more** **11**
0.31%

2008 IVF/ICSI DATA

• IVF Centers	107
• Cycles	43 928
• ET	39 619
• Clinical pregnancy	15 886
• Live birth registired	4 028
• PR/Cycle	36.16 %
• PR/OPU	37.81 %
• PR/ET	40.09%
• Cycles/year	17-2239
• Only ICSI	65 centers
• Ony IVF	885 (2.20 %)

2008 IVF/ICSI DATA

37 577 ET Data

- **SET** 4 801 12.77%
- **DET** 9 172 24.40%
- **TET** 19 827 52.76%
- **4 and more** 3777 10.07%
- **Embryo freezing** 2 751 6.26%
- **Centers with no freezing available** 26 (24.43%)

2008 IVF/ICSI DATA

4028 pregnancy data

- **Single delivery** **2 494** **61.91%**
 - **Twin delivery** **1 324** **32.86%**
 - **Triple delivery** **209** **5.18%**
 - **4 and more** **1** **0.25%**
-
- **Spontaneous abortus : 14.92% (2009/13 464)**

ART Data Collection Programme in Turkey

- * **Data represents all IVF clinics**
- * **The reporting is incomplete**
- * **More detailed data which covers the not available information needed**
- * **Data could be recorded for IUI cycles**



Gamete Donation and Surrogacy

- **Not permitted in Turkey !!??**



**International Workshop on Data Collection and
Prevention of Multiples in ART' s
Istanbul, March ,2009**

- **Representatives of various societies of neonatology,perinatology and reproductive medicine**
- **Representatives of IVF centers**
- **Representatives of Minitry of Health**
- **ESHRE /EIM**
- **ICMART**



Suggestions:

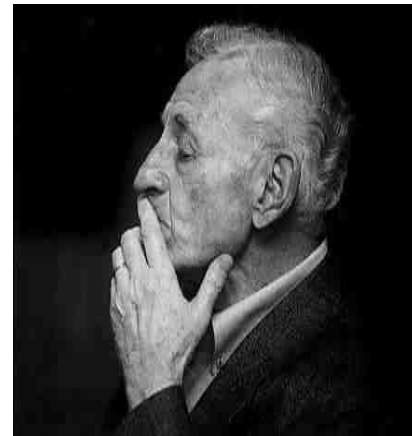


- All of the unavailable data should be precisely recollected ??
- Reporting system should be reorganized
- Complete coverage of the data need in the reporting system is needed
- National software for data collection (Web based) may be helpful
- Professional Societies should be included into the system
- Working with **EIM Consortium** will be very helpful to have proper ART data

ART Data Collection Programme in Turkey

There is a real need to improve the collection of data in order to be able to deliver proper information on the results of ART to really compare the results with other countries !

**NEW DATA BASE for IVF registry
under discussion !**



(Mounson et. al., 2012)

Table 1 ART in European countries in 2007.

	IVF clinics in the country		Treatment cycles								Cycles/million*	
	Total	Reporting	IVF	ICSI	FER	ED	IVM	PGD	FOR	All	Women 15-45 years of age	Population
Albania	3	1	66	79		16				161		
Austria	26	26	1172	4050	306	0				5528	3252	8.74
Belgium	18	18	3852	12357	7499	251				24459	12230	2352
Bosnia	5	2	31	131	0					162		
Bulgaria	15	7	574	708	79	8	0	0	0	1369		
Cyprus	7	5	482	823	155	112	2	16		1590		
Czech Republic	24	24	1947	7225	4189	1221		498		15060	8845	1436
Denmark	23	23	6054	4981	2668	140	111	113		14067	14067	2558
Finland	18	18	2931	1793	3529	314	23	25	320	8855	11169	1718
France	104	104	25211	31635	14772	740	88	124		67572	5363	1061
Germany	118	118	11811	33371	17140					62322	3944	756
Greece	38	9	829	1380	193	92	5	9	15	2503		
Hungary	10	5	594	1843	620	48	0	6	17	3128		
Iceland	1	1	215	174	244	32	0	0	0	665	11083	2217
Ireland	7	6	1748	1096	692	9	0		0	3565		
Italy	202	202	8792	31213	709				2994	43708	3834	751
Latvia	4	1	104	75	113	60	0		0	352		
Lithuania	4	2	181	198	46					425		
Macedonia	3	3	504	475	29					1008	2520	504
Montenegro	2	2	25	253						278	2780	397
Norway	11	11	2805	2794	2250	0	22	0	0	7871	3246	1711
Poland	38	17	237	4639	2238	347	31	0	3	7513		
Portugal	22	22	1536	2960	574	101	0	115	0	5236	2380	494
Russia	69	55	12568	4269	3084	1367	299	382	14	26983		
Serbia	12	6	670	450		6				1126		
Slovenia	3	3	885	1997	521	7	0	16	2	3428	8520	1714
Spain	182	111	3476	31023	9089	7985	28	2785	234	54620		
Sweden	16	16	5423	4768	4500	281	6	83		15061	8859	1673
Switzerland	26	25	1038	3465	1312	0	0	0	0	7815		
The Netherlands	13	13	7113	7050	3536					19699	5969	1187
Turkey	92	92	785	34601						35386	1944	673
Ukraine	18	11	1848	2098	579	345	0	29	0	4899		
United Kingdom	70	70	18234	17888	8549	1747	25	437	8	46888	3735	763
All	1204	1029	120761	256642	91146	15731	660	4638	3607	493184	4286	879

IVF and ICSI: For Belgium, France, Ireland and Turkey treatment cycles refers to 'aspirations'; for Czech Republic and Lithuania it refers to 'transfers'.

FER: For France, Ireland and Norway treatment cycles refers to 'transfers'.

ED: For Czech Republic and Iceland treatment cycles refers to 'aspirations'.

PGD and FOR: For France treatment cycles refers 'transfers'.

*Cycles per million calculated for the countries with 100% clinics participating.

(Ferraretti et. al., 2012)

	IVF clinics in the country		Treatment cycles ^a								Cycles/million ^b	
	Total	Reporting	IVF	ICSI	FER	ED	IVM	PGD	FOR	All	Women 15-45 years	Population
Albania	4	1	61	85	1	17				164		
Austria	26	26	1009	4210	444					6540	3933	779
Belgium	18	18	4128	12712	8870	820				28751	13069	2687
Bosnia	5	1		180	0	0	0	0	0	180		
Bulgaria	17	10	844	2189	167	90		7		3297		
Czech Republic	30	30		12438	4774	2038		357		19407	9039	1885
Denmark	20	20	5672	4806	2610	228	49	111	0	13476	12712	2450
Estonia	4	4	590	1057	531	81	0	0	0	2259	8176	1738
Finland	19	19	2925	2027	3274	415	16	15	325	8997	9291	1698
France	105	100	19789	31745	15782	663	76	391		68446		
Germany	120	120	11264	35167	17646					69902	4678	780
Greece	50	6	435	1652	275	91	0	8	15	2476		
Hungary	12	7	504	2061	578	41	0	5	8	3197		
Iceland	1	1	221	190	227	62	0	0	0	700	10790	2333
Ireland	7	5	1740	1068	672	9	0	0	0	3489		
Italy	207	207	8726	35311	508		0		3284	47829	3974	798
Kazakhstan	6	1	778	227	317	140		3		1465		
Latvia	4	1	116	40	111	53	0	0	0	340		
Lithuania	4	2	219	202	42					463		
Macedonia	4	4	603	899	34					1536	3361	768
Moldova	1	1	267	346						613	589	150
Montenegro	3	3	28	309	33					370	2512	617
Norway	11	11	2882	3069	2574		10		0	8535	9287	1778
Poland	—	22	282	6462	3058	355	124	198	11	10490		
Portugal	22	22	1422	3171	675	194	4	103	0	5569	2544	525
Romania	12	4	792	165	130	21	35	0	0	1140		
Russia	85	63	15064	10199	3481	1666	176	411	220	31217		
Serbia	12	6	930	630		14				1574		
Slovenia	3	3	972	1988	699	5	14	25	2	3705	8940	1853
Spain	182	90	2977	23269	6997	4068	14	721	199	38245		
Sweden	16	16	5789	5221	4733	273	2	89		16107	9228	1751
Switzerland	26	25	997	3887	3593		0		0	8477		
The Netherlands	13	13	8987	7940	4237					21164	6382	1290
Turkey	107	107	885	43043						43028	2397	587
Ukraine	18	12	2802	2930	1090	553		79		7454		
United Kingdom	70	70	19839	19637	8957	1712	42	352	16	50555	4066	825
All	1244	1051	124539	280552	97120	13609	562	2875	4080	532260	4661	947

^aTreatment cycles in IVF and ICSI should refer to initiated cycles. For Austria and Germany, the total number of cycles is higher than the sum of cycles because they report the number of initiated cycles for fresh cycles only globally. Therefore, in the overall calculation, the total number of cycles is not equal to the sum of cycles per technique. For Belgium, France, Germany, Ireland, Kazakhstan, Lithuania and Turkey treatment cycles refer to aspirations, for Austria they refer to transfers. Bosnia-Herzegovina and the Czech Republic almost always perform IVF in combination with ICSI. For Belgium there are 506 cycles for which it is not known whether IVF or ICSI was performed. Treatment cycles in FER refer to thawing. For Austria, Finland, France, Lithuania and The Netherlands treatment cycles refer to transfers. For Kazakhstan they refer to aspirations. Treatment cycles in ED refer to donation cycles. For Kazakhstan treatment cycles refer to aspirations. For France they refer to transfers. Treatment cycles in PGD refer to initiated cycles. For Kazakhstan they refer to aspirations. Treatment cycles in IVM refer to aspirations. Treatment cycles in FOR refer to thawing. For Finland they refer to transfers.

^bCycle per million calculated for the countries with 100% of clinics participating.

Date 14/02/13

Dear Professor Dr. Gürkan

I would like to remind you that the deadline for submission of data for the EIM data collection for 2010 was passed on the 31st of December 2012.

Unfortunately, as far as I can see, we did not receive any data from your country.

If you still wish to send in your data, please do so in the coming week (deadline 22/02/2013). If not, please let me know there will be no submission. This way, you will not receive unnecessary reminders.

Please note that the data can be submitted online. For the online submission follow the instructions mentioned below:

- go to the login page on the ESHRE website at <http://www.eshre.eu>
- please enter your username and password.
- Your login name is as follows: GuRGAN.Timur
- Your password is as follows: 37295

The login details are case sensitive and you should type in the login name and password exactly as it appears above.

- click on the button "GO"
- once you are logged in, please go the tab "Speciality Groups" > "Data collection and Consortia" > EIM data collection 2010

You have now accessed the EIM data collection pages. Please follow the instructions carefully while entering your data.

When you have come to end of the last module, you have the following options:

- "SAVE". This will allow you to save the data that you have entered, with the possibility to come back later and change the data if needed;
- "FINALISE". When you are sure that all the data you have entered are correct and complete, please click this button to submit the data. Once you have done this you can no longer change the data online.

If you wish, you can still use the hard copy data collection modules for submitting your data and send or fax it to me. A copy is attached to this e-mail.

May we urge you to send in your data in time.

Yours sincerely,

Veerle Goossens
Science Officer

on behalf of Dr. Anna-Pia Ferraretti, Chair of the EIM Consortium

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Bologna, 18th March 2012

Dear Prof. GUREAN,

We did not receive yet the 2009 data from your Country despite the several reminders we sent you after the dead-line (May 2011).

I will start to write the 2009 EIM Report soon in order to publish it before the end of the year. As you know, the EIM annual Report represents the most consistent regional data-collection in the world and the data are extensively used as a reference to several aspects of ART for several investigations.

Turkey joined our Reports some years ago and since that it represents one of the countries with the highest number of cycles and the best results. It will be a pity to publish the next Report without the Turkey data!

If you are able to send us the 2009 data, we can still wait few weeks (until the 10 of April) afterwards we have to exclude Turkey from the European Report.

Waiting from you soon

Anna Pia Ferraretti
EIM Chairman

Avrupa Verilerine Göre Türkiye Nerededir? 2009

Verileri ESHRE (Ferraretti et. al., 2013)

Table I ART in European countries in 2009.

	IVF clinics in the country		Treatment cycles								Cycles/million ^a	
	Total	Reporting	IVF	ICSI	FER	ED	IVM	PGD	FOR	All	Women 15-45	Population
Austria	26	26	1128	4638	511					6277	3750	765
Belgium	18	18	4377	13425	8409	1463				27674	13173	2574
Bulgaria	17	8	431	1190	124	52	0		0	1797		
Croatia	12	12	1495	2367	218		0		216	4296	4819	957
Cyprus	8	8	303	976	142					1421	5738	1310
Czech Republic	30	30	2990	9640	4443	1883		475	0	19431	9019	1903
Denmark	19	19	6371	5167	3116	230	0	108	0	14992	14160	2726
Finland	19	19	2621	1970	3245	404	2	19	376	8637	8967	1645
France	106	106	21123	35111	17153	641	54	393		74475	6022	1153
Germany	121	121	11664	37772	17913					67349	4378	823
Greece	50	4	335	1658	210	103	0	4	0	2310		
Hungary	12	12	1230	5088	664	61		25		7068	3437	706
Iceland	1	1	275	188	217	126	0		0	806	12388	2628
Ireland	7	6	1987	1328	744	6	0	0	0	4065		
Italy	200	200	8407	39504	1019				3102	52032	4338	861
Kazakhstan	10	2	691	250	295	214		20	4	1474		
Latvia	4	3	208	287	199	68				762		
Lithuania	4	1	61	54	16					131		
Macedonia	4	4	647	1325	66	27				2065	4531	999
Moldova	1	1	255	370	0	0	0	0	0	625	728	166
Montenegro	3	3	51	397	34					482	3334	717
Norway	11	11	3139	3314	2076		15			8544	9300	1833
Poland	31	25	285	7566	3534	272	96	280	35	12068		
Portugal	24	24	1475	3405	804	274	11	107	1	6077	2796	568
Romania	12	8	606	323	110	13				1052		
Russia	102	73	19005	13755	5456	2190	1088	555	61	42110		
Serbia	12	9	291	941						1232		
Slovenia	3	3	937	2001	719	14	2	6	1	3680	9002	1835
Spain	166	109	4494	28734	7901	10982	10	1706	439	54266		
Sweden	16	16	5797	5767	4893	140	0	117		16714	9591	1845
Switzerland	26	25	996	4201	3902					9099		
The Netherlands	13	13	8621	8148	5292					22061	6849	1338
Ukraine	21	15	2858	3057	1323	704		135		8077		
United Kingdom	70	70	20467	22187	9405	1737	56	439	43	54314	4386	876
All	1179	1005	135621	266084	104153	21604	1334	4389	4278	537463	5453	1067

Treatment cycles in IVF and ICSI refer to initiated cycles. For Austria, Belgium, France, Germany, Ireland, Kazakhstan and Lithuania, treatment cycles refer to aspirations. For Austria in 833 cycles and for Germany in 892, it is not known whether IVF or ICSI was performed. For Belgium, there are 754 sperm aspiration cycles for which it is not known whether IVF or ICSI was performed.

Treatment cycles in FER refer to drawings. For Finland, France, Hungary and The Netherlands, treatment cycles refer to transfers.

Treatment cycles in ED refer to donation cycles and contain fresh and frozen cycles. For France, Ireland, Kazakhstan and Sweden, fresh ED treatment cycles refer to aspirations. For Ireland, Ireland, Kazakhstan, Slovenia, Spain and the UK, frozen ED treatment cycles refer to aspirations.

Treatment cycles in PGD contain both fresh and frozen cycles and refer to initiated cycles in the fresh cycles and aspirations in the frozen cycles. For Kazakhstan, fresh PGD cycles refer to aspirations. For France, frozen PGD treatment cycles refer to

From: Veerle Goossens [<mailto:veerle@eshre.eu>]

Sent: Thursday, October 09, 2014 4:38 PM

To: tgurgan@gurganclinic.com.tr; BasakB@amerikanhastanesi.org; Gürkan Uncu

Subject: Letter EIM Turkish Ministry of Health

Dear Prof. Gurgan,

Dear Ms Balaban, dear Dr Uncu,

Please find attached the letter for your Ministry of Health.

The letter will be sent by regular mail to the Ministry.

Do you prefer it to be sent my mail also, then please provide me with an email address.

If there are any remarks, please feel free to contact me.

Best wishes,

Veerle



Veerle Goossens | Science Manager
European Society of Human Reproduction and Embryology
The leading society in reproductive science and medicine

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Mehmet Müezzinoğlu
The Minister of Health
Republic of Turkey
Mithatpaşa Caddesi No.3
Sıhhiye Ankara Turkey

Sub: Turkish data on Assisted Reproductive Technology (ART)
Ref: Letter from 04. September 2008

Dear Minister,

I am writing to you as Chairman and on behalf of the European IVF Monitoring (EIM) consortium, a subcommittee of ESHRE (The European Society for Human Reproduction and Embryology), that has been responsible for European data collection and publication in relation to ART in Europe.

We have collected and published data since 1997 and cover now more than 30 countries. Please find the latest report attached.

In the report for 2008, Turkey provided us with the National data, which was much appreciated. These data have been incorporated into the European report and published. Unfortunately, we have not been able to get any data concerning Turkish IVF data after 2008.

We have sent two letters to the Ministry of Health concerning our request but both of them were unsuccessful.

The data on ART are important, not only for individual clinics but also for the society and its demography. One of the critical aspects is the increased number of high order multiple birth (like triplets) with all the risks and economic consequences this has for individuals and the society. We do need solid data to be able to improve and compare what we are doing.

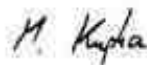
Turkey is performing around 40.000 treatment cycles annually. We as ESHRE believe that missing the Turkish ART data in our IVF monitoring system may have negative impact on our data collection. This is why the EIM would like to support countries where for technical or other reasons a data collection system is not running.

We are really interested in having Turkey back among our members and collecting its data. If we can offer any help on this matter please feel free to let us know.

The reason why I address you is that ESHRE would appreciate if Professor Timur Gurgan, who is the National Representative for Turkey in the EIM and also a member of the ESHRE Executive Committee and Miss Basak Balaban and Professor Gürkan Uncu who are the National representatives of Turkey to ESHRE could be involved more intensively in the Turkish ART Data collection and work with your staff to find out a solution for this very important issue.

Please don't hesitate to get in contact directly.

Kind regards



Prof. Markus S. Kupka MD PhD
Chairman of EIM

Avrupa Verilerine Göre Türkiye Nerededir? 2010

Verileri ESHRE (Kupka et. al., 2014)

Table I Treatment frequencies after ART (assisted reproductive technology) in European countries in 2010.

	IVF clinics in the country												Cycles/million* Population	
	IVF clinics	Reporting IVF clinics	IUI labs	Reporting IUI labs	IVF	ICSI	FER	PGD	ED	IVM	FOR	All	Women 15-45 years	
Austria	29	29			1014	4768	620					6602	3939	779
Belgium	18	18	34	27	4526	13 131	8815	637	1412			28521	14494	2736
Bulgaria	21	7			680	3993	272	9	76			5030		
Czech Republic	32	32				12 884	4303	488	2365			20020	9380	1962
Denmark	20	20	66	65	6635	5599	3371	124	225			15954	17669	2893
Finland	18	18	24	24	2632	2229	3280	13	763	2	393	9312	9719	1772
France	107	101	101	94	21 783	34 709	21 376	473	979	107		79427		
Germany	124	114		47	9545	35 150	17 876					62571	4152	766
Greece	50	9			823	1931	451	36	446		6	3693		
Hungary	12	12			1217	3874	413	14	44			5562	2710	557
Iceland	1	1	1	1	279	223	205	0	117			824	12656	2667
Ireland	7	6	8	6	1856	1320	882		20			4078		
Italy	202	202	357	357	8797	43 864	3758				2441	58860	4944	969
Kazakhstan	10	3			1282	348	289	58	290		1	2276		
Lithuania	4	1	6	1	59	53	19					131		
Macedonia	4	4	4	4	323	1086	49		29	10		1497	3288	722
Moldova	2	1	3	1	284	340	0	0	0			624		
Montenegro	3	3	3	3	29	417	6					452	3183	678
Norway	11	11	7	7	3118	3439	2440			7		9007	9810	1926
Poland	38	29		27	347	8621	3733	256	248	80	40	13325		
Portugal	25	25	27	27	1736	4139	921	89	282	6	6	7179	3331	669
Romania	13	10	13	10	566	357	308		20			1151		
Russia	116	72		64	14 239	13 071	3760	492	2147	223	94	34026		
Serbia	14	10	14	4	419	1065						1484		
Slovenia	3	3	2	2	1233	2371	760	36	16	1	2	4419	10977	2206
Spain	160	103	221	122	3456	29 047	8760	2743	12 928	2	1799	58735		
Sweden	16	16			5754	5838	5520	159	357			17628	11990	1943
Switzerland	26	25			799	4683	4058					9540		
The Netherlands	13	13			8750	8148	6729					23627	7376	1426
Ukraine	31	18		18	2382	2882	1240	57	524			7085		
The UK	72	72	102	102	21 431	23 211	10 476	715	1891	55	77	57856	4693	928
All	1202	991	993	1013	125 994	272 771	114 593	6399	25 187	493	4859	550296	6258	1221

Treatment cycles in IVF and ICSI refer to initiated cycles. For Austria, Belgium, France, Germany and Iceland treatment cycles refer to aspirations. For Belgium, the Czech Republic and Germany the total number of initiated cycles was only available for IVF and ICSI together, being 20 572, 12 864 and 55 687, respectively. For Austria in 379 cycles it is not known whether IVF or ICSI was performed, these cycles were included in 'ICSI'. For the Czech Republic, no distinction between IVF and ICSI is made. All cycles are counted as ICSI. For Belgium there are 824 extra aspiration cycles for which it is not known whether IVF or ICSI was performed. Treatment cycles in FER refer to thawings. For Finland, Hungary and the Netherlands treatment cycles refer to transfers. Treatment cycles in PGD contain both fresh and frozen cycles and refer to initiated cycles in the fresh cycles and aspirations in the frozen cycles. Treatment cycles in ED refer to donation cycles and contain fresh and frozen cycles. ED fresh for France and Iceland treatment cycles refer to aspirations, ED frozen for France, Iceland, Kazakhstan, Spain, Sweden and the UK treatment cycles refer to aspirations. Treatment cycles in IVM refer to aspirations. Treatment cycles in FOR refer to thawings. For Finland it refers to transfers. Women of reproductive age and population were found at the following link: <http://www.zensus.gov/population/international/data/ids/region.php>. IVF, in vitro fertilisation; IUI, intrauterine insemination; ICSI, intracytoplasmic sperm injection; FER, frozen embryo replacement; ED, egg donation; IVM, in vitro maturation; PGD, preimplantation genetic diagnosis; FOR, frozen oocyte replacements (FOR).

***More than 150 IVF Centers in different cities**

More than 900 clinicians, more than 500 embryologist licensed to be capable to work in a IVF Centers

***Some of them are in the public and in the university hospitals**

***Most of them are private centers**

***IVF centers are located mainly Istanbul in Ankara in Izmir**

***Training centers which may give certificate for clinicians and embryologist**

***Each center must report its data every 6 and 12 months**

***Every year more detailed data including the fate of the pregnancies should be given**

***Every center regularly visited by the representatives of the Ministry of Health every 3-6 months**

ART Data Collection in Turkey

- **Do we need to collect ART data in Turkey ?**
- **Do we collect the ART data in Turkey ?**
- **Why is the ART data collected ?**
- **Can we use properly the data collected ?**
- **Do we present the Turkey ART data internationally ?**

Are we successful ?

Who are responsible for the failure ?

- **IVF Centers**
- **Professional national societies dealing with ART's**
- **ESHRE,ASRM,MSRM,MEFS or Turkish EIM and ICMART representatives**
- **Patients**
- **Drug Companies**
- **Ministry of Health**

Do We really Need ART's Data ?

- Yes
- No
- To use the data to understand the current status of ART's in the Country
- To make some important decisions to improve the quality and success rates of the ART's in the Country
- To prevent the side effects and the complications ART's
- To compare our the results with the European and World results and to make contribution to the international registries
- To punish the centers which are not successful !
- None of above

Is it Difficult to Collect the ART Data ?

- **Yes**
- **No**

How can we manage to collect the ART's Data and use it properly ?

- **Ministry of Health**
- **National Societies dealing with ART's**
- **IVF Centers**
- **International support/EIM,ICMART..)**
- **National DATA BASE**



SORRY and THANK YOU!