

European IVF Monitoring (EIM)

Year: 2012

Name of the country

Poland

Name and full address of the contact person.

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Module 0

Number and size of ART / IUI clinics

a/ in the country

| | ART clinics (units) | IUI labs* |
|---|---------------------|-----------|
| Total number of units in the country | 34 | unk |
| Total number of units reporting to the National Register | NA | NA |
| Number of units included in this report | 33 | 31 |

* Put in this column all the labs providing IUI (including those performing ART)

b/ Size of the reporting clinics.

| | Number of ART clinics* | Number of IUI labs** |
|-------------------------|------------------------|----------------------|
| < 100 cycles | 11 | 3 |
| 100 - 199 cycles | 3 | 3 |
| 200 - 499 cycles | 12 | 10 |
| 500 - 999 cycles | 6 | 13 |
| ≥ 1.000 cycles | 1 | 2 |

*Based on the total annual number of initiated cycles for the purpose IVF, ICSI, IVF/ICSI, FER and ED (recipient cycles)

** Based on the total annual number of cycles with IUI (spouse or donor sperm)

c/ Register characteristics

| | |
|--|---------------------|
| Reporting requirement 1. Compulsory ; 2. Voluntary | 2 |
| Responsibility for the register. 1. National Health Authority ; 2. Medical Organization; 3. Other (describe) | 2 |
| Reporting methods : | |
| Cycles. 1. Individual cycles; 2. Summaries of cycles reported by the clinics | 2 |
| Deliveries. 1. Individual cycles; 2. Summaries of deliveries reported by the clinics | 2 |
| Is there any kind of data validation process: 0. No; 1. Yes. If yes, describe | 1 by coordinator |
| Do patients have access to individual clinic data: 0. No; 1. Yes | 0 |
| Register financial support: 1. Public; 2. Centres; 3. Industry; 4. professional society (combinations are possible) | 2+4 |
| National number of deliveries in the same year in the country | 382 727 |
| National number of infants born in the same year in the country | 387 858 |
| Comments | |

Module 1 a

Number of treatments, pregnancies and deliveries

| | Cycles with women's own oocytes | | | | | ED*** | | |
|---|---------------------------------|-------------------|--------------------------------|------------|-----------------------------|-------------|------------------------------|-------------------------------|
| | Fresh cycles* | | FER* | PGD** | | Fresh cycle | FOR | FER |
| | IVF ^a | ICSI ^a | IVF, ICSI | Fresh | FER | | | |
| Initiated cycles**** | 461 | 10253 | ---- | 237 | ---- | 268 | 44 | ---- |
| Aspirations**** | 450 | 10017 | <u>Thawings</u> <u>4969</u> | 237 | <u>Thawings</u> <u>7</u> | 268 | <u>Thawings</u> <u>78</u> | <u>Thawings</u> <u>204</u> |
| Transfers | 392 | 8714 | 4736 | 129 | 7 | 420 | 65 | 228 |
| Pregnancies, total***** | 135 | 3471 | 1317 | 56 | 1 | 199 | 25 | 77 |
| Pregnancies with unknown outcome | 31 | 411 | 169 | 0 | 0 | 8 | 0 | 8 |
| Deliveries***** | 94 | 2646 | 928 | 52 | 0 | 159 | 22 | 60 |

a. In case of mixed IVF and ICSI cycles (IVF/ICSI), report them as ICSI

* Excluding PGD and ED (Egg donation)

** Including both PGD and PGS irrespective of whether or not IVF or ICSI has been performed.

*** *In egg donation, initiated cycles and aspirations refer to the donor*, whereas transfers, pregnancies and deliveries to the recipient and include both fresh and frozen embryo replacements. Fresh cycles relate to completely fresh material, FER relates to fresh oocytes but with frozen embryo replacement and FOR relates to frozen oocytes

**** If there is a discrepancy between the numbers of cycles and of aspirations in your country (some centres sending only one of the 2 numbers), please indicate this in a note.

***** Please use the WHO/ICMART definition of clinical pregnancy: evidence of pregnancy by clinical or ultrasound parameters (ultrasound visualisation of a gestational sac). It includes ectopic pregnancy. Multiple gestational sacs in one patient are counted as one clinical pregnancy.

Deliveries include those resulting in a live birth and/or stillbirth.

Among the fresh aspiration cycles, how many were performed:

- with semen donation: 428
- with surgically obtained spouse's semen: 163
- with mixed IVF/ICSI procedure: 437

In vitro maturation (IVM) and frozen oocyte replacements (FOR)

| | | | | |
|-----|-------------|-----------|-------------|------------|
| IVM | Aspirations | Transfers | Pregnancies | Deliveries |
| | 70 | 48 | 20 | 18 |
| FOR | Thawings | Transfers | Pregnancies | Deliveries |
| | 139 | 126 | 49 | 43 |

Is embryo donation allowed in your country: Yes. If yes,

| | | | |
|-----------------|------------|-------------|------------|
| Embryo donation | Transfers* | Pregnancies | Deliveries |
| | 267 | 95 | 73 |

* from fresh/frozen embryos transfers

Module 1b

Results by women's age and ART technique

Number of cycles (aspiration for IVF or ICSI, thawing for FER and transfers for ED) in specific age groups in relation to treatment.

| Woman's age | IVF * | | | ICSI * | | |
|-------------|-------------|-------------|------------|-------------|-------------|------------|
| | Aspirations | Pregnancies | Deliveries | Aspirations | Pregnancies | Deliveries |
| ≤ 34 | 270 | 90 | 67 | 5478 | 2168 | 1726 |
| 35-39 | 125 | 33 | 22 | 3298 | 1092 | 801 |
| ≥ 40 | 55 | 12 | 5 | 1241 | 211 | 119 |
| unknown | 0 | 0 | 0 | 0 | 0 | 0 |

* In case of mixed IVF and ICSI cycles (IVF/ICSI), report them as ICSI

| Woman's age | FER (Frozen embryo replacements with own oocytes) | | | ED (Egg donations)* | | |
|-------------|---|-------------|------------|---------------------|-------------|------------|
| | Thawings | Pregnancies | Deliveries | Transfers | Pregnancies | Deliveries |
| ≤ 34 | 2702 | 783 | 566 | 163 | 65 | 55 |
| 35-39 | 1799 | 460 | 322 | 254 | 124 | 98 |
| ≥ 40 | 468 | 74 | 40 | 296 | 112 | 88 |
| unknown | 0 | 0 | 0 | 0 | 0 | 0 |

* In ED, age refers to recipient, not to donor, and all ED cycles have to be included (fresh transfers, FER and FOR)

Module 1c

Complications to treatments and foetal reduction

Complications with hospitalization

| | Number of occurrences |
|---|-----------------------|
| Severe hyperstimulation syndrome (grade 3 +) | 75 |
| Complications to oocyte retrieval: All | 50 |
| Bleeding | 43 |
| Infection | 7 |

| | |
|--|---|
| Maternal death (give the details) | 0 |
| Number of foetal reductions | 2 |

OHSS definition:

Grade 3

- Abdominal distension and discomfort (grade 1)
- **plus** nausea, vomiting and/or diarrhoea, ovaries 5-12cm
- **plus** ultrasonic evidence of ascites (grade 3)

Grade 4 : Grade 3 + clinical evidence of ascites and/or hydrothorax or dyspnoea

Grade 5 : All above plus haemoconcentration, coagulation abnormalities, diminished renal perfusion

Module 2

Results by number of transferred embryos

a / All IVF, ICSI and IVF/ICSI fresh cycles

| | Number of transferred embryos | | | | | | Total* |
|----------------------|-------------------------------|------|-----|---|-----|---------|--------|
| | 1 | 2 | 3 | 4 | ≥ 5 | unknown | |
| Transfer cycles | 2251 | 6303 | 546 | 6 | 0 | 0 | 9106 |
| Clinical pregnancies | 709 | 2699 | 198 | 0 | 0 | 0 | 3606 |
| Pregnancy losses** | 99 | 304 | 21 | 0 | 0 | 0 | 424 |
| Lost to Follow-up*** | 52 | 332 | 58 | 0 | 0 | 0 | 442 |
| Deliveries: Total | 558 | 2063 | 119 | 0 | 0 | 0 | 2740 |
| Singleton | 550 | 1661 | 94 | 0 | 0 | 0 | 2305 |
| Twin | 5 | 392 | 19 | 0 | 0 | 0 | 416 |
| Triplet + | 0 | 7 | 6 | 0 | 0 | 0 | 13 |
| Unknown | 3 | 3 | 0 | 0 | 0 | 0 | 6 |

b / All FER cycles (coming from IVF, ICSI and IVF/ICSI with own oocytes)

| | Number of transferred embryos | | | | | | Total* |
|----------------------|-------------------------------|------|-----|----|-----|---------|--------|
| | 1 | 2 | 3 | 4 | ≥ 5 | unknown | |
| Transfer cycles | 1344 | 2923 | 350 | 11 | 0 | 108 | 4736 |
| Clinical pregnancies | 303 | 900 | 76 | 3 | 0 | 35 | 1317 |
| Pregnancy losses** | 60 | 148 | 12 | 0 | 0 | 0 | 220 |
| Lost to Follow-up*** | 31 | 98 | 5 | 0 | 0 | 35 | 169 |
| Deliveries: Total | 212 | 654 | 59 | 3 | 0 | 0 | 928 |
| Singleton | 211 | 559 | 48 | 3 | 0 | 0 | 821 |
| Twin | 1 | 90 | 9 | 0 | 0 | 0 | 100 |
| Triplet + | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Unknown | 0 | 5 | 1 | 0 | 0 | 0 | 6 |

c / Egg donation (ED) and PGD****

| | Number of transferred embryos ED | | | | | | PGD | Total* |
|----------------------|----------------------------------|-----|----|---|-----|---------|-----------|--------|
| | 1 | 2 | 3 | 4 | ≥ 5 | unknown | Total ED* | |
| Transfer cycles | 162 | 502 | 47 | 2 | 0 | 0 | 713 | 136 |
| Clinical pregnancies | 56 | 225 | 19 | 1 | 0 | 0 | 301 | 57 |
| Pregnancy losses** | 10 | 32 | 2 | 0 | 0 | 0 | 44 | 5 |
| Lost to Follow-up*** | 5 | 11 | 0 | 0 | 0 | 0 | 16 | 0 |
| Deliveries: Total | 41 | 182 | 17 | 1 | 0 | 0 | 241 | 52 |
| Singleton | 41 | 142 | 11 | 0 | 0 | 0 | 194 | 46 |
| Twin | 0 | 39 | 6 | 0 | 0 | 0 | 45 | 6 |
| Triplet + | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* **Total=same numbers as in module 1a for transfers, pregnancies and deliveries**

** Abortions and ectopic pregnancies

*** Lost to follow-up pregnancies are pregnancies with unknown outcome

**** This table concern all ED and PGD transfers, with fresh and frozen embryos (both from fresh and frozen oocytes)

Module 3

Intrauterine Insemination (IUI)

IUI-Homologue (Husband semen)

| | Woman < 40 years | Woman ≥ 40 years | Total |
|--------------------------------|------------------|------------------|-------|
| Number of IUI-H cycles* | 11762 | 957 | 12719 |
| Pregnancies** | 1468 | 103 | 1571 |
| Pregnancy losses*** | 221 | 24 | 245 |
| Lost to Follow-up**** | 340 | 15 | 355 |
| Deliveries: Total | 907 | 64 | 971 |
| Singleton | 798 | 55 | 853 |
| Twin | 53 | 5 | 58 |
| Triplet + | 0 | 0 | 0 |
| Unknown | 56 | 4 | 60 |

IUI-Donor (Donor sperm)

| | Woman < 40 years | Woman ≥ 40 years | Total |
|--------------------------------|------------------|------------------|-------|
| Number of IUI-D cycles* | 1776 | 232 | 2008 |
| Pregnancies** | 368 | 27 | 395 |
| Pregnancy losses*** | 46 | 7 | 53 |
| Lost to Follow-up**** | 66 | 3 | 69 |
| Deliveries: Total | 256 | 17 | 273 |
| Singleton | 231 | 16 | 247 |
| Twin | 13 | 1 | 14 |
| Triplet + | 1 | 0 | 1 |
| Unknown | 11 | 0 | 11 |

* Whether one or more inseminations were performed during the same cycle ?

If more than one insemination was performed in one cycle it counts only for one.

**Please use the WHO/ICMART definitions in relation to pregnancies (see module 1A)

*** Abortions and ectopic pregnancies

**** Lost to follow-up pregnancies are pregnancies with unknown outcome

Module 4 (Optional)

Gestational Age by Treatment and Multiple deliveries

a) Fresh cycles (standard IVF, ICSI*)

| Deliveries** | All | Gestational age (weeks since OPU + 2) | | | | | NA |
|-------------------|------------|---------------------------------------|------------|------------|------------|----------|-----------|
| | | 20-27 | 28-32 | 33-36 | 37-41 | 42 + | |
| Singleton | 795 | 17 | 109 | 113 | 517 | 9 | 30 |
| Twin | 131 | 11 | 19 | 48 | 49 | 0 | 4 |
| Triplet or higher | 3 | 0 | 2 | 1 | 0 | 0 | 0 |
| Unknown | 16 | 0 | 0 | 0 | 2 | 0 | 14 |
| Total | 945 | 28 | 130 | 162 | 568 | 9 | 48 |

* Including PGD pregnancies with fresh transfer

**Deliveries, not babies

b) Frozen embryo replacement (standard IVF, ICSI or IVF/ICSI with own oocytes*)

| Deliveries** | All | Gestational age (weeks since OPU + 2) | | | | | NA |
|-------------------|------------|---------------------------------------|-----------|-----------|------------|----------|-----------|
| | | 20-27 | 28-32 | 33-36 | 37-41 | 42 + | |
| Singleton | 391 | 5 | 36 | 54 | 287 | 4 | 5 |
| Twin | 58 | 3 | 5 | 25 | 25 | 0 | 0 |
| Triplet or higher | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| Total | 454 | 8 | 41 | 79 | 312 | 4 | 10 |

* Including PGD pregnancies with FER

**Deliveries, not babies

c) Oocyte donation (ED)

| Deliveries | All | Gestational age (weeks since OPU + 2) | | | | | NA |
|-------------------|------------|---------------------------------------|----------|-----------|------------|----------|----------|
| | | 20-27 | 28-32 | 33-36 | 37-41 | 42 + | |
| Singleton | 123 | 3 | 3 | 17 | 96 | 3 | 1 |
| Twin | 31 | 1 | 0 | 10 | 17 | 0 | 3 |
| Triplet or higher | 2 | 0 | 1 | 1 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 156 | 4 | 4 | 28 | 113 | 3 | 4 |

Deliveries, not babies

NA Not available

Comments: Data from 11 clinics

Module 5 (Optional)

Cycles performed for cross-border patients*

a. Summary of cycles

| | ART | | | | | | | IUI | |
|-------------------------|-------------------------------------|-------|------|-----|-----------------|---------------|----------------|---------------|----------------|
| | Woman's own oocytes, spouse's semen | | | | Oocyte donation | | Sperm donation | Other/unknown | Sperm donation |
| | IVF* | ICSI* | GIFT | PGD | Anonymous | Non anonymous | All | All | All |
| Initiated cycles | 0 | 89 | 2 | 0 | 99 | 6 | 41 | 0 | 197 |

b. Countries of patients' origin and main reasons to move to an other country

| Main Countries of origin | | |
|--------------------------|----------------|--------|
| | Country | Cycles |
| 1. | Germany | 144 |
| 2. | UK | 12 |
| 3. | Austria | 5 |
| 4. | Ireland | 4 |
| 5. | France | 4 |
| 6. | Others (total) | 25 |

| Reason | | Cycles |
|---------|---|--------|
| Legal | Illegal technique in home country | 85 |
| | Illegal patients characteristics*** | 1 |
| Access | Treatments more expensive in home country | 3 |
| | Distance, waiting list | 3 |
| Quality | Previous failures | 3 |
| Other | unknown | 96 |
| | Better service | 3 |

* Patients living in a different country from the one where they had ART

** Indicate the 5 main countries of patients' origin and give the number of cycles of each of them. Give the total number of cycles of the others

***like age limitation, legal couple status, sexual orientation

Comments: Data from 6 clinics