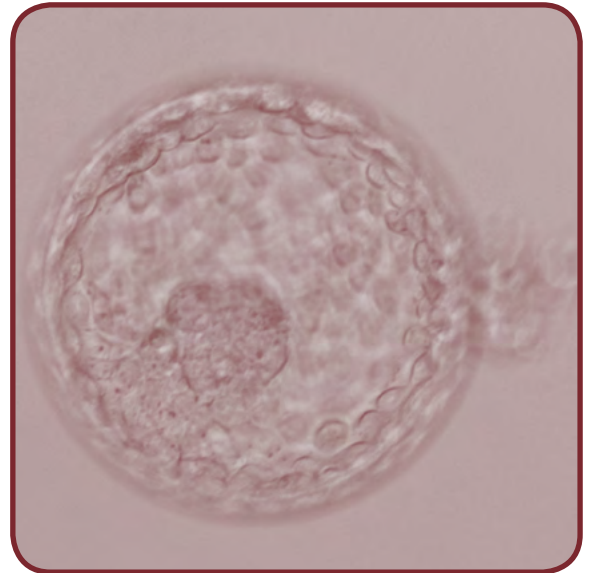
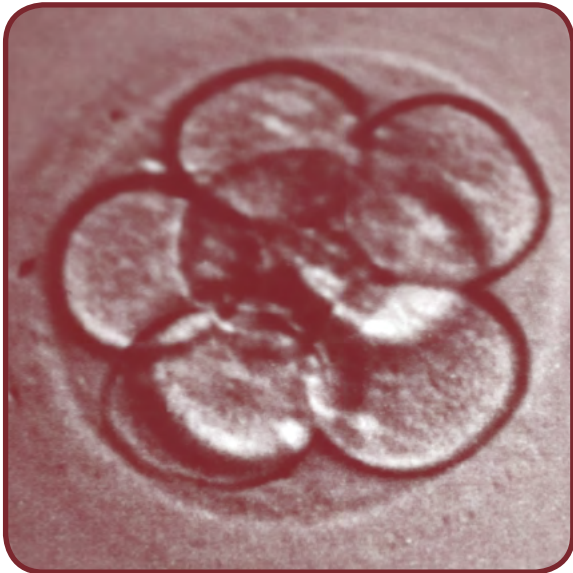


# SARA 2011



## SOUTH AFRICAN REGISTER OF ASSISTED REPRODUCTIVE TECHNIQUES



**SASREG**

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# INTRODUCTION



Dear Colleagues,

The Southern African Society of Reproductive Medicine and Gynaecological Endoscopy (SASREG) is proud to present the 2011 SARA Report to you. The SARA (South African Register of Assisted Reproductive Techniques) Committee is chaired by Professor Silke Dyer, and we thank her and her team for all the hard work they have done to produce this outstanding publication.

It is easy to enthusiastically start a project, but hard to continue driving the process for many years! This is the 3<sup>rd</sup> annual publication of anonymous IVF data collection for South Africa, and we are proud to be able to submit this high quality data to the international ICMART committee. We also congratulate Prof Dyer for being invited to sit on the ICMART board.

For this 2011 report, a limited number of units have for the 1<sup>st</sup> time made use of our online software program. This provides us with new and more detailed data including, for example, data on number of embryos transferred. While no triplet pregnancies were reported, there is probably a need to institute measures regarding number of embryos transferred to prevent multiple births. The data also demonstrated that we do not provide adequate ART services for our population size. We need to address this shortfall, and strongly motivate for change to improve access to ART in our country.

The data from this SARA report is not merely of academic interest but will be used to practically improve fertility care in South Africa. To this effect, the data will be presented to health care funders, government departments and guideline working groups.

Thank you to everyone who has contributed.

**Dr Paul le Roux**  
SASREG President: 2011 - 2014



Dear Colleagues,

It gives me great pleasure to present our 3<sup>rd</sup> report of the South African Registry of Assisted Reproductive Techniques. It is very encouraging to see the steady increase in the number of participating ART units. Fifteen centres contributed their 2011 data, and other units have expressed their intention of joining SARA in the near future. This reflects the ongoing and growing support of national, anonymous ART data monitoring.

For the first time we were able to include more extensive data which were collected and collated via our on-line data program. It is exciting to report 1<sup>st</sup> results on multiple pregnancy rates, embryo versus blastocyst transfers, oocyte donation and embryo cryopreservation. As yet only 3 units provided these more extensive data, but we hope that other centres will soon follow suit. It is essential that we widen the scope of our enquiry and reporting if we want to reach international standards of ART data monitoring.

Core data on ART are important to many stakeholders. They provide a national benchmark against which patients can evaluate information they receive from a variety of sources, and against which individual units can assess their own results. They offer health care politicians and health care funders important information on ART effectiveness and national coverage, and our last two reports proved valuable in the current discussions with the medical insurance companies on ART-related benefits. ART monitoring and reporting helps to place South Africa on the map of global ART and cross-border care. Last but certainly not least, it allows ART units to take ownership and credit for the work they are doing, often under difficult circumstances.

As in previous years I wish to thank and acknowledge the SASREG secretariat, as represented by Turner's Conferences. I am particularly grateful to Ms Virosha Basdeo for her expert data handling, and to Mr Dudley Randall for his supervision of the various SARA requirements. The team of the Latin American Register, led by Dr Fernando Zegers-Hochschild, provided once again moral and practical assistance, and collated the on-line data behind the proverbial screens. I am deeply appreciative of their selfless collaboration. I wish to acknowledge and thank Merck (Pty) Ltd, South Africa for providing some financial support to SARA in 2013. My last and sincere thanks go to all participating units, to their medical and laboratory directors and to each member in their team. ART is a team effort, both within and between units; collectively we provide quality care to our patients and help to work towards Millennium Development Goal 5b: Universal access to reproductive health.

**A/Prof Silke Dyer**  
Chair: SASREG sub-committee ART Data Monitoring

# GENERAL

## COMMENTS

- The data presented on page 5 and 9 were reported by 15 centres.
- The data presented on page 10, 11 and 13 were reported by 14 centres, as one centre did not keep separate data for IVF and ICSI.
- The data presented on page 12 and 14 were reported by 13 centres. These data do not include the egg donation data from 3 units which reported egg donation separately.
- The data presented on page 16 - 21 were reported by three centres. On page 16 - 18 IVF and ICSI cycles were combined in order to create a larger set of data.
- If both IVF and ICSI were done in one cycle, the cycle was captured according to which embryo(s) were transferred; if 'mixed' embryos were transferred (ie embryos from IVF and ICSI), the cycle was captured under ICSI.
- Embryo Transfers            Presented data refer to fresh embryo transfers only, with exception of the data on page 19 and 21. These data on cryo-preservation and frozen embryo transfer cycles were reported by 3 centres participating in the extended data collection programme.
- Egg Donations                Eleven centres reported egg donations as part of the general IVF and ICSI data. These centres included egg donor aspirations and donor egg transfers under the age of the DONOR and not the recipient. Three centres, who participated in the extended data collection program, reported egg donation separately (page 20 - 21).

## ABBREVIATIONS

- CPR                            Clinical Pregnancy Rate
- ET                              Embryo Transfer
- IVF                             In Vitro Fertilisation
- ICSI                            Intracytoplasmic Sperm Injection

## DEFINITIONS

- Aspirations                 The number of cycles resulting in attempted oocyte retrieval irrespective of whether oocytes were successfully retrieved or not.
- Clinical Pregnancy        Any pregnancy with clinical products of conception (ectopic, miscarriage, termination, birth) or ultrasound evidence of pregnancy (irrespective of presence of fetal heart); includes clinical miscarriage, ectopic pregnancy, missed abortion, viable ongoing pregnancy, birth (live or still birth); excludes biochemical pregnancy.

Note: all recorded pregnancies are clinical pregnancies only.

# PARTICIPATING ART CENTRES

15 CENTRES REPORTING

DISTRIBUTION OF CENTRES ACCORDING TO NUMBER OF ASPIRATIONS	
No. of Apsirations per Year	No. of Centres
< 50	1
50 - 100	1
101 - 200	4
201 - 350	3
351 - 500	2
> 500	4

# SARA: PARTICIPATING ART CENTRES

## BIOART

4 Park Lane, Parktown, Johannesburg - Gauteng

**Phone** 011 484 5119  
**Fax** 011 484 5180  
**Email** Aziza@bioartfertility.co.za  
**Website** www.bioartfertility.co.za  
**Clinicians** Dr MI Cassim, Dr YM Dasoo  
**Embryologists** Mrs Elsie Mcdonald, Ms Nasreen Bassa  
**Nurses** Sr Ruwaida Moola, Sr Beverly Gosani  
**Counsellors** Dr S Ebrahim

## CAPE FERTILITY CLINIC

209 Library Square, 1 Wilderness Road, Claremont - Cape Town

**Phone** 021 674 2088  
**Fax** 021 671 2709  
**Email** info@capefertilityclinic.co.za  
**Website** www.capefertilityclinic.co.za  
**Clinicians** Dr Paul le Roux, Dr Sulaiman Heylen, Dr Klaus Wiswedel, Dr Nomathamsanqa Matebese, Dr Razak Dhansay  
**Embryologists** Ms Kimenthra Raja, Ms Gloria Raidani, Mrs Zulaigha Williams, Mrs Hughlene Baker, Ms Kerith Ferreira, Ms Liezel Potgieter  
**Nurses** Sr Karin Schwenke, Sr Heidi Clark, Sr Liz Carter, Sr Di Davids, Sr Florence Rodrigues, Mrs Elaine Brenkman, Cyndi Nel, Jenny Loverock  
**Receptionists** Sonia Van Rooyen, Janine Pasquall, Nazeema Abrahams, Roshaan Sheldon, Desire Heyburgh, Jennifer Parrish  
**Counsellors** Ms L van der Westhuizen

## CARE CLINIC

21 Jan Hofmeyer Road, Westville - KwaZulu Natal

**Phone** 031 267 7920  
**Fax** 031 267 7928  
**Email** careoffice@ion.za.net  
**Website** www.careoffice.co.za  
**Clinicians** Dr A Ramdeo  
**Embryologists** Mr K K Naidoo, Ms S Umarsingh  
**Nurses** Sr K Harilall, Sr V Dicks, Staff Nurse L Dladla

## DRS AEVITAS INCORPORATED

Vincent Pallotti Hospital, Park Road, Pinelands - Cape Town

**Phone** 021 531 6999  
**Fax** 021 531 7919  
**Email** medici@aevitas.co.za  
**Website** www.aevitas.co.za  
**Clinicians** Dr JP Van der Merwe, Prof TF Kruger, Prof TI Siebert, Dr V Hulme  
**Embryologists** Dr ML Windt, Mr GM Tinney, Ms N Lans, Ms C Thwaites  
**Nurses** Sr S Botha, Sr T Fourie, Sr A Mans, Sr L Zonneveld

## DURBAN FERTILITY CLINIC

607 Kingsway Rd, Kingsway Hospital, Amanzimtoti - KwaZulu Natal

**Phone** 031 904 3980  
**Fax** 031 904 3980  
**Email** sags@intekom.co.za, mahesh@mbhana.co.za, neville@durbanfertilityclinic.co.za  
**Clinicians** Dr Sagie Naidu, Dr Mahesh Bhana  
**Embryologists** Mr Neville S Moodley

# SARA: PARTICIPATING ART CENTRES

## GENESIS REPRODUCTIVE CENTRE

Suite G15 Kloof Medi-Clinic, 511 Jochemus Street, Erasmus Kloof Ext 3, Pretoria - Gauteng

**Phone** 012 367 4378  
**Fax** 012 367 4379  
**Email** lourensjt@mweb.co.za, drabri@webmail.co.za  
**Clinicians** Dr Abri de Bruin, Dr Johan Pentz  
**Embryologists** Mr J Lourens

## GYNOMED

Suite 11, Block B, Wilgeheuwel Hospital, Amplifier Road, Honeydew - Gauteng

**Phone** 011 796 1100  
**Fax** 011 794 2987  
**Email** info@gynomed.co.za  
**Website** www.gynomed.co.za  
**Clinicians** Dr HW Lindeque, Dr MVK Giesteira, Dr DS Schulz  
**Embryologists** Ms Cecile Booyse, Ms Bianca Faber  
**Nurses** Sr Sharon Uren, Sr Nicky Labuschagne  
**Counsellors** Dr Kobus van Biljon (011 794 2159)

## MEDFEM CLINIC

Corner Peter Place and Nursery Road, 1st Floor, Bryanston - Gauteng

**Phone** 011 540 3440  
**Fax** 011 463 1875 / 0866 521 977  
**Email** ivflab@medfem.co.za  
**Website** www.medfem.co.za  
**Clinicians** Dr Van Rensburg, Dr Van Schouwenburg, Dr Rodrigues, Dr Clark, Dr Divanovic  
**Embryologists** Dr Aldo Esterhuizen, Ms Edolene Bosman, Ms Vicky Wolf  
**Intern Embryologist** Ms Esmari du Plessis  
**Nurses** Sr Pam, Sr Heather, Sr Krina, Sr Hanlie, Sr B du Plessis  
**Counsellors** Dr Mandy Wolf (Clinical Psychologist)

## PARKLANE FERTILITY CENTRE

Cnr. Junction Ave & Parklane, Parktown - Gauteng

**Phone** 011 480 4143  
**Fax** 011 480 4316  
**Email** sacide@parklanefertility.co.za, drherman@parklanefertility.co.za  
**Website** www.parklanefertilitycentre.co.za  
**Clinicians** Dr NH Netshidvhani  
**Embryologists** Ms Elsie SA McDonald, Ms Sacide Karadasli  
**Nurses** Sr Dorren Donny Leseke

## PRETORIA FERTILITY CENTER

Suite M19 Pretoria East Hospital, Pretoria - Gauteng

**Phone** 012 998 8854/5  
**Fax** 012 998 8856  
**Email** info@ptafertilitycen.co.za  
**Website** www.ptafertility.co.za  
**Clinicians** Dr MA Trouw  
**Embryologists** Ms Elmarie Prinsloo, Ms Linmarié Venter  
**Nurses** Sr Lizette White

# SARA: PARTICIPATING ART CENTRES

## REPRODUCTIVE MEDICINE UNIT

Department of Obstetrics & Gynaecology,  
Groote Schuur Hospital and Faculty of Health Sciences, UCT  
Maternity Building F Floor, Observatory, 7925 - Western Cape

**Phone** 021 404 6027/8

**Fax** 021 404 6016

**Clinicians** Prof S Dyer, Prof Z van der Spuy, Dr M Patel, Dr L Walmsley, Dr F Olarogun

**Embryologists** Mrs M Vienings, Ms L Cindi, Ms B Wager

## SANDTON FERTILITY CENTRE

Suite 310, East Wing, Morningside Mediclinic, cnr Rivonia and Hill Road, Sandton - Gauteng

**Phone** 011 883 1776, 0861 442 211

**Fax** 011 784 6886

**Email** info@sandtonfertility.com

**Website** www.sandtonfertility.com

**Clinicians** Dr GH Mohamed, Dr M Faesen, Dr R Patel

**Embryologists** Mr Prashan Maharaj

**Nurses** Sr Iris Davids

## STEMBA FERTILITY CENTRE

145 A Kruger Street, Rustenburg CBD - North West

**Phone** 014 592 4625, 014 594 0210

**Fax** 014 594 0210

**Email** barth@sthemba fertility.co.za

**Website** www.sthemba fertility.co.za

**Clinicians** Dr HM Moatshe, Dr TJ Mshamba

**Embryologists** Mr Barth M Tambwe

**Nurses** Sr Loraine Sekhu

**Counsellors** Mrs Angeliq ue M Tambwe

## THE DALMEYER FERTILITY UNIT

40A Park Drive, Central Port Elizabeth - Eastern Cape

**Phone** 041 373 0771

**Fax** 041 374 2006

**Email** reception@fertilityunit.com

**Website** www.fertilityunit.com

**Clinicians** Dr Danie Botha

**Embryologists** Ms Michelle Rijdsijk, Mr Wilhelm Schoeman

**Nurses** Sr Kathleen Ferreira

**Counsellors** Ms Lynette Dean, Mr Robin Farrington

## VITALAB FERTILITY UNIT

Inner Circle, 159 Rivonia Road, Morningside, Sandton - Gauteng

**Phone** 011 911 4700

**Fax** 011 911 4744

**Email** stephanv@vitalab.com

**Website** www.vitalab.com

**Clinicians** Dr Stephan Volschenk & Partners, Dr MJ Jacobson, Dr L Gobetz

**Embryologists** Ms Jane Meintjies & Colleagues

**Nurses** Sr Anne Hacking & Colleagues

**Counsellors** Ms Bernice Lits, Ms Tanya Rubin



# SUMMARY DATA

15 CENTRES REPORTING

## SUMMARY DATA: IVF & ICSI

- Total no. aspirations: 5643
- Total no. fresh embryo transfers: 4802
- Total no. clinical pregnancies: 1794
- Clinical PR / aspiration: 31.8%
- Clinical PR / ET: 37.4%

## NATIONAL COVERAGE: IVF & ICSI

5643 aspirations/ 51.8 million people\*/year  
= 109 aspirations/ million people/year  
= **7.3% of estimated optimal ART coverage**

Estimated need for ART: 1500 cycles/million population/year<sup>1</sup>

\* According to Census 2001, Statistics South Africa ([www.statssa.gov.za](http://www.statssa.gov.za))

<sup>1</sup> Collins, Hum Reprod Update 2002: 8, 265

## ART COVERAGE: INTERNATIONAL COMPARISON

IVF CYCLES /MILLION POPULATION /YEAR	% OPTIMAL COVERAGE	COUNTRIES
< 15	< 1%	China, India, Egypt
< 150	< 10%	USA, Japan, Argentina, India, <b>South Africa</b>
< 500	< 33%	Many European countries
< 750	< 50%	Netherlands, Sweden, Denmark
> 1500	> 100%	Israel

Nachtigall 2006, Fertil Steril, 85(4):871

# IVF & ICSI: PROCEDURES & OUTCOME

14 CENTRES REPORTING

Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

## NUMBER OF PROCEDURES: IVF & ICSI

### IVF

- Total no. aspirations: 1475
- Total no. fresh embryo transfers: 1219

### ICSI

- Total no. aspirations: 3386
- Total no. fresh embryo transfers: 2854

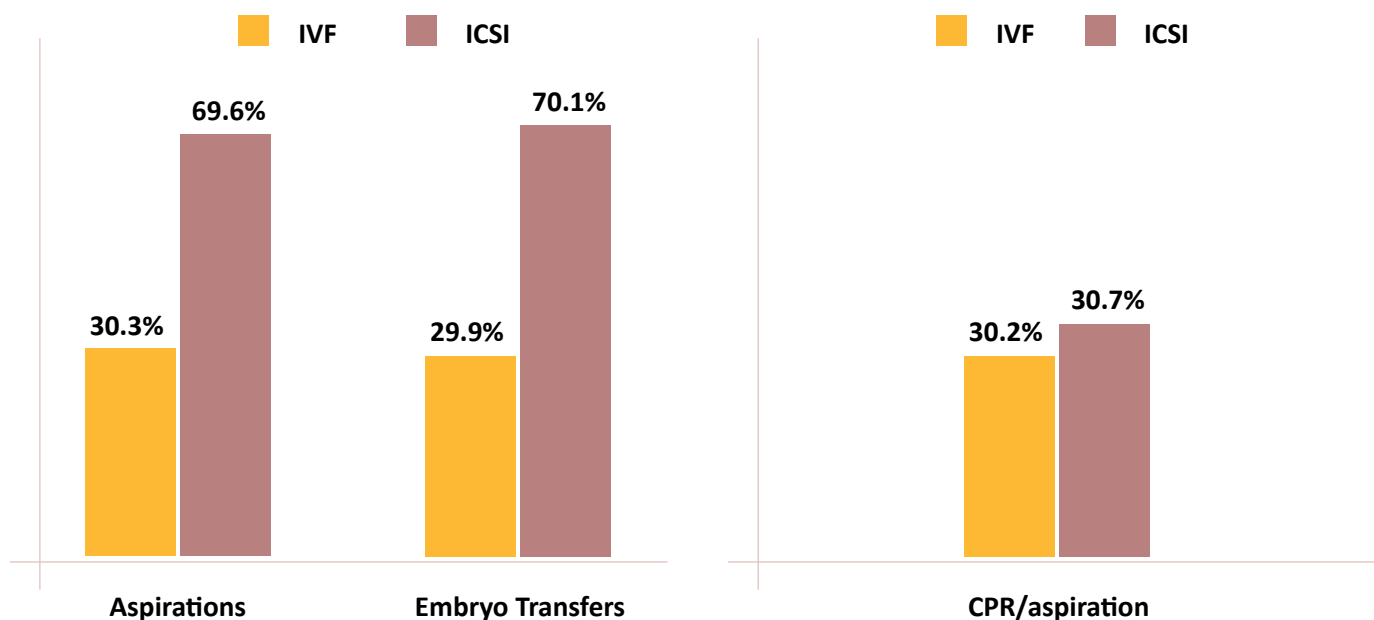
## CLINICAL PREGNANCIES: IVF & ICSI

### IVF

- Total no. clinical pregnancies: 445
- CPR/aspiration: 30.2%
- CPR/ET: 36.5%

### ICSI

- Total no. clinical pregnancies: 1041
- CPR/aspiration: 30.7%
- CPR/ET: 36.5%



## CLINICAL PREGNANCY RATES: INTERNATIONAL COMPARISON

COUNTRY	IVF CPR/ASPIRATION (%)	ICSI CPR/ASPIRATION (%)	YEAR
South Africa	30.2	30.7	2011
Egypt	39.5	38.7	2004
Argentina	26.5	23.1	2004
Brazil	33.1	32.3	2004
Netherlands	29.6	31.7	2004
UK	26.8	27.4	2004
USA	40.5	37.2	2004

ICMART, World Report 2004; Hum Reprod 2013, 28(5): 1375

# IVF: AGE

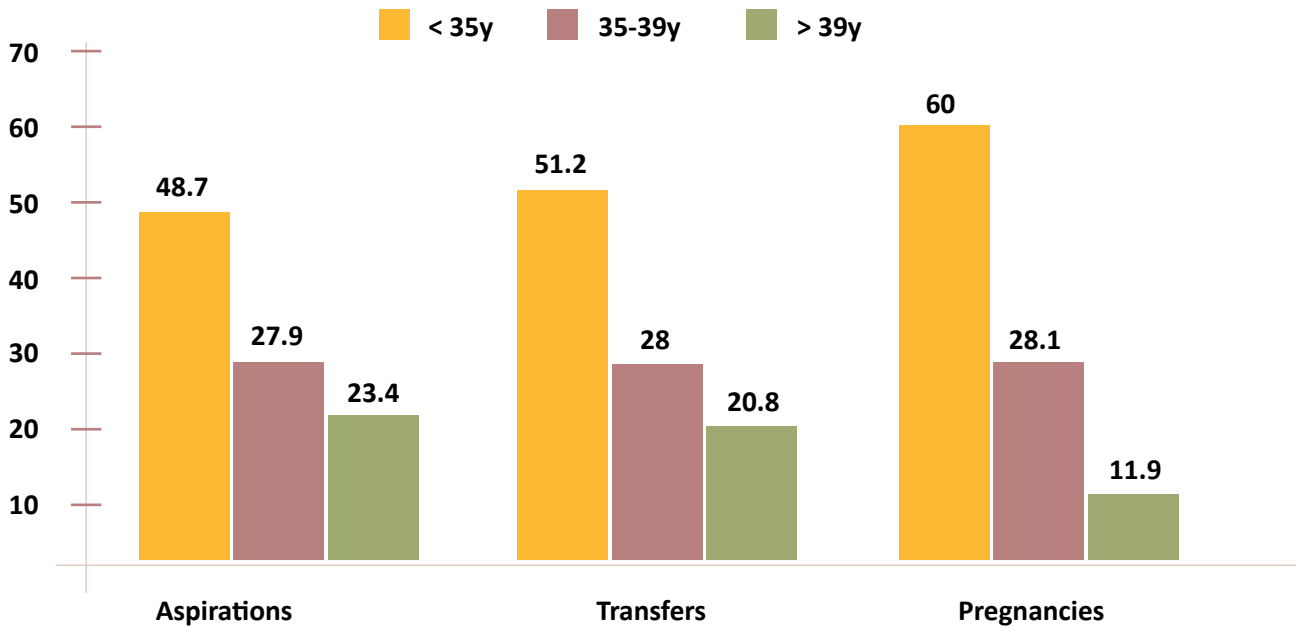
## 14 CENTRES REPORTING

Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

### IVF: AGE OF FEMALE PARTNER

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS	TOTAL
Aspirations	719 (48.7)*	411 (27.9)	345 (23.4)	1475 (100)
Embryo Transfers	624 (51.2)	342 (28)	253 (20.8)	1219 (100)
Clinical Pregnancies	267 (60)	125 (28.1)	53 (11.9)	445 (100)

\* Values in brackets are percentage distribution of all procedures and pregnancies by age category



Y axis: Distribution (%) of procedures and pregnancies by age category

### IVF: AGE & OUTCOME

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS	TOTAL
No. clinical pregnancies	267	125	53	445
CPR/aspiration	37.1%	30.4%	15.4%	
CPR/embryo transfer	42.7%	36.5%	20.9%	

# IVF: EMBRYO TRANSFERS

13 CENTRES REPORTING

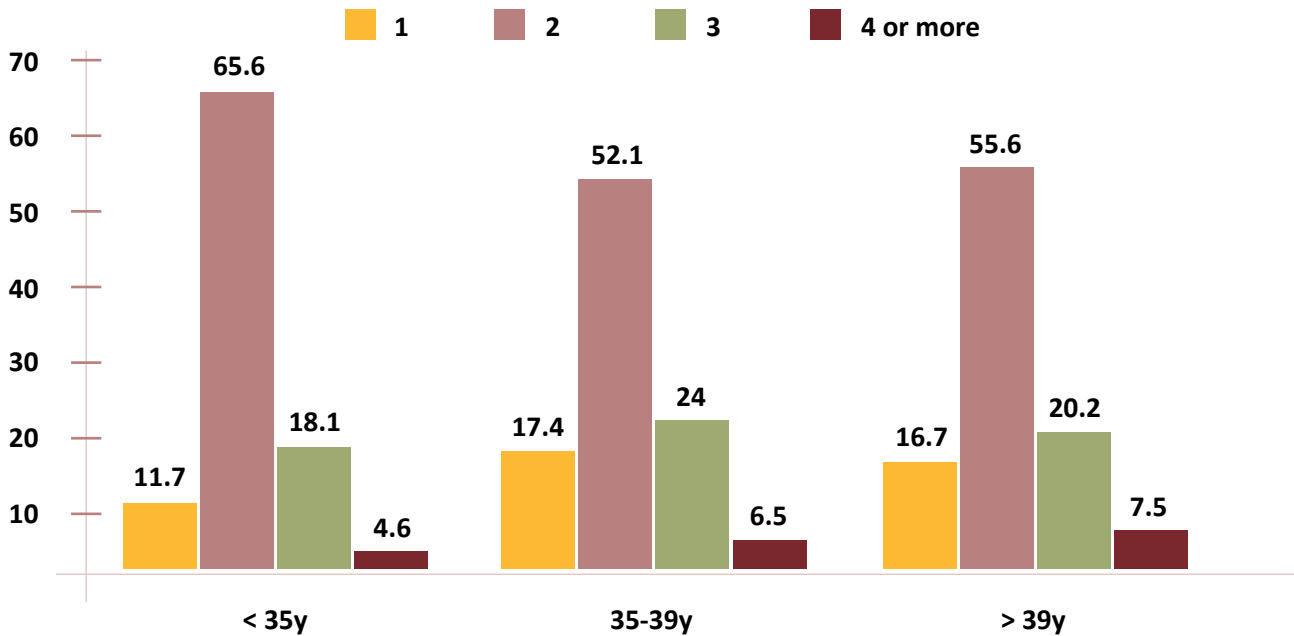
Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

## IVF: NO. TRANSFERS WITH 1, 2, 3, $\geq$ 4 EMBRYOS OR BLASTOCYSTS

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS
Single embryo or blastocyst	72 (11.7)*	59 (17.4)	42 (16.7)
2 embryos or blastocysts	402 (65.6)	176 (52.1)	140 (55.6)
3 embryos or blastocysts	111 (18.1)	81 (24)	51 (20.2)
$\geq$ 4 embryos or blastocysts	28 (4.6)	22 (6.5)	19 (7.5)
Total	613 (100)	338 (100)	252 (100)

\* Values in brackets are percentages of different number embryo/blastocyst transfers in each age category

## IVF: DISTRIBUTION OF TRANSFERS WITH DIFFERENT NUMBER EMBRYOS/BLASTOCYSTS BY AGE



Y axis: Transfers (%) with different number of embryos/blastocysts in each age category

# ICSI: AGE

14 CENTRES REPORTING

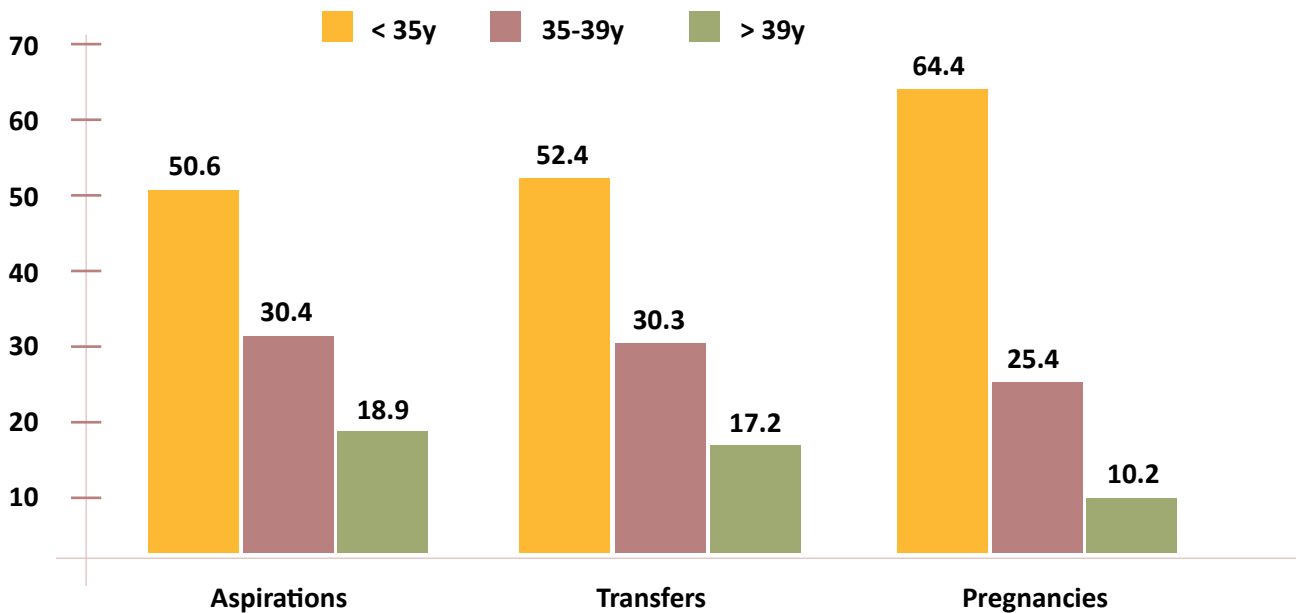
Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

## ICSI: AGE OF FEMALE PARTNER

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS	TOTAL
Aspirations	1716 (50.6)*	1031 (30.4)	639 (18.9)	3386 (100)
Fresh Embryo Transfers	1496 (52.4)	866 (30.3)	492 (17.2)	2854 (100)
Clinical Pregnancies	671 (64.4)	264 (25.4)	106 (10.2)	1041 (100)

\* Values in brackets are percentage distribution of all procedures and pregnancies by age

## ICSI: AGE OF FEMALE PARTNER



Y axis : Distribution (%) of procedures and pregnancies by age

## ICSI: AGE & OUTCOME

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS	TOTAL
No. clinical pregnancies	671	264	106	1041
CPR/aspiration	39.1%	25.6%	16.6%	
CPR/embryo transfer	44.8%	30.5%	21.5%	

# ICSI: EMBRYO TRANSFERS

13 CENTRES REPORTING

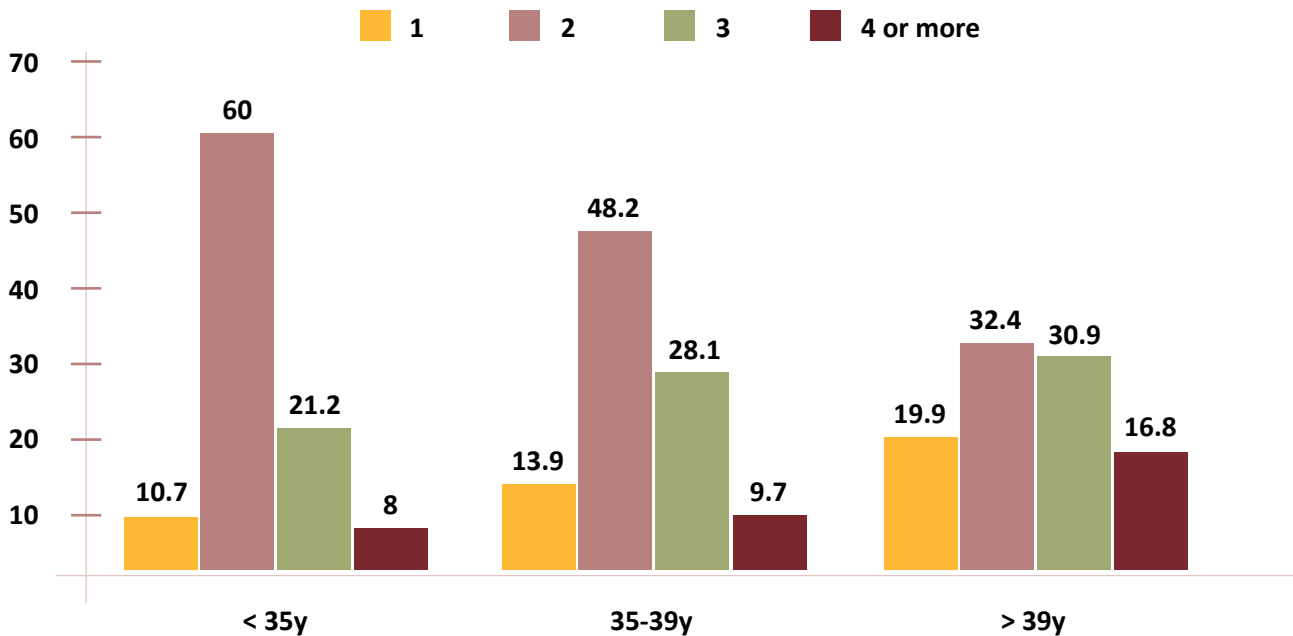
Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

## ICSI: NO. TRANSFERS WITH 1, 2, 3, $\geq$ 4 EMBRYOS OR BLASTOCYSTS

CATEGORY	< 35 YRS	35 - 39 YRS	> 39 YRS
Single embryo or blastocyt	153 (10.7)*	117 (13.9)	97 (19.9)
2 embryos or blastocysts	854 (60)	406 (48.2)	158 (32.4)
3 embryos or blastocysts	302 (21.2)	237 (28.1)	151 (30.9)
$\geq$ 4 embryos or blastocysts	114 (8)	82 (9.7)	82 (16.8)
Total	1423 (100)	842 (100)	488 (100)

\* Values in brackets are percentages of different number embryo/blastocyst transfers in each age category

## ICSI: DISTRIBUTION OF TRANSFERS WITH DIFFERENT NUMBER EMBRYOS/BLASTOCYSTS BY AGE



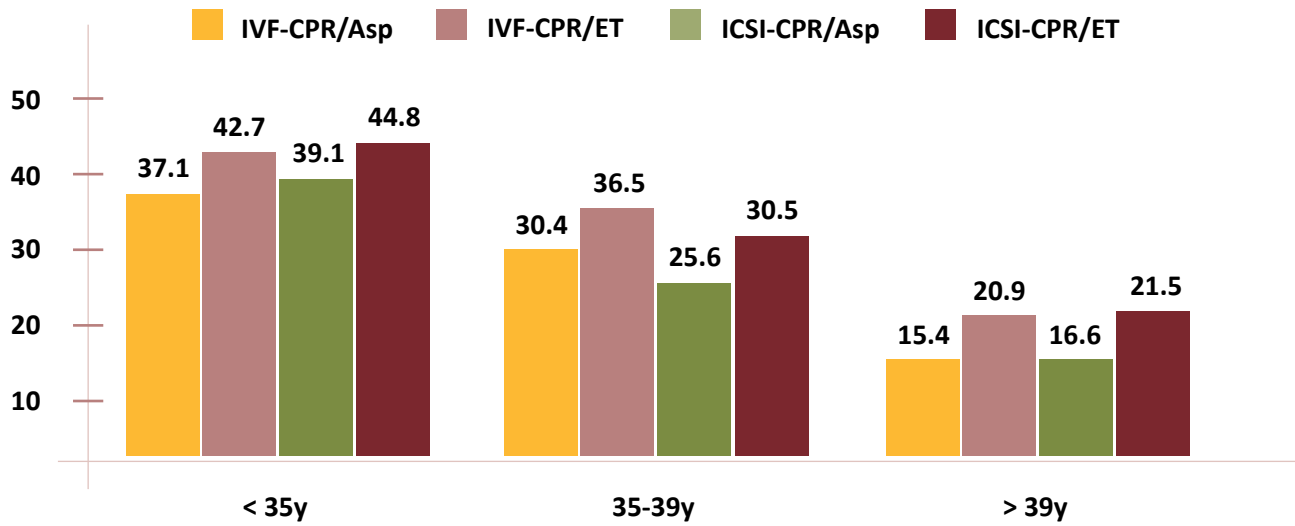
Y axis: transfers (%) with different number of embryos/ blastocysts in each age category

# IVF & ICSI: OUTCOME BY AGE

14 CENTRES REPORTING

Note: These data do not include oocyte donation cycles (ODC) from 3 units that reported ODC separately.

## IVF & ICSI: CLINICAL PREGNANCY RATE PER ASPIRATION AND PER EMBRYO TRANSFER BY AGE OF FEMALE PARTNER



# EXTENDED DATA REPORTING

3 CENTRES REPORTING

Note: These tables do not include oocyte donation or frozen embryo transfers.

## OVARIAN STIMULATION FOR IVF & ICSI

OVARIAN STIMULATION	NO.	%
Agonist & FSH/LH/HMG	482	60.8
Antagonist & FSH/LH/HMG/Clomiphene	248	31.3
FSH/LH/HMG	8	1.0
Clomiphene ± FSH/LH/HMG	27	3.4
Others	27	3.4
Total	792	100

## IVF & ICSI BY AGE OF FEMALE PARTNER

	< 35 YRS	35 - 39 YRS	> 39 YRS	Total
Initiated cycles	390	300	144	834
Aspirations	367	282	143	792
Fertilisation with ICSI	68.4%	70.2%	72%	69.7%
Transfers	324	233	114	671
Clinical Pregnancies	125	72	23	220
Pregnancy Outcome				
Pregnancy loss < 20 weeks	26	24	7	57
Singleton gestation or birth	67	24	12	103
*Twin gestation or birth	15	13	0	28
Outcome unknown	17	11	4	32
CPR/aspiration	34%	25.5%	16.1%	27.8%
CPR/embryo transfer	38.6%	30.9%	20.2%	32.8%

\* No triplet or other higher order multiple pregnancies were reported

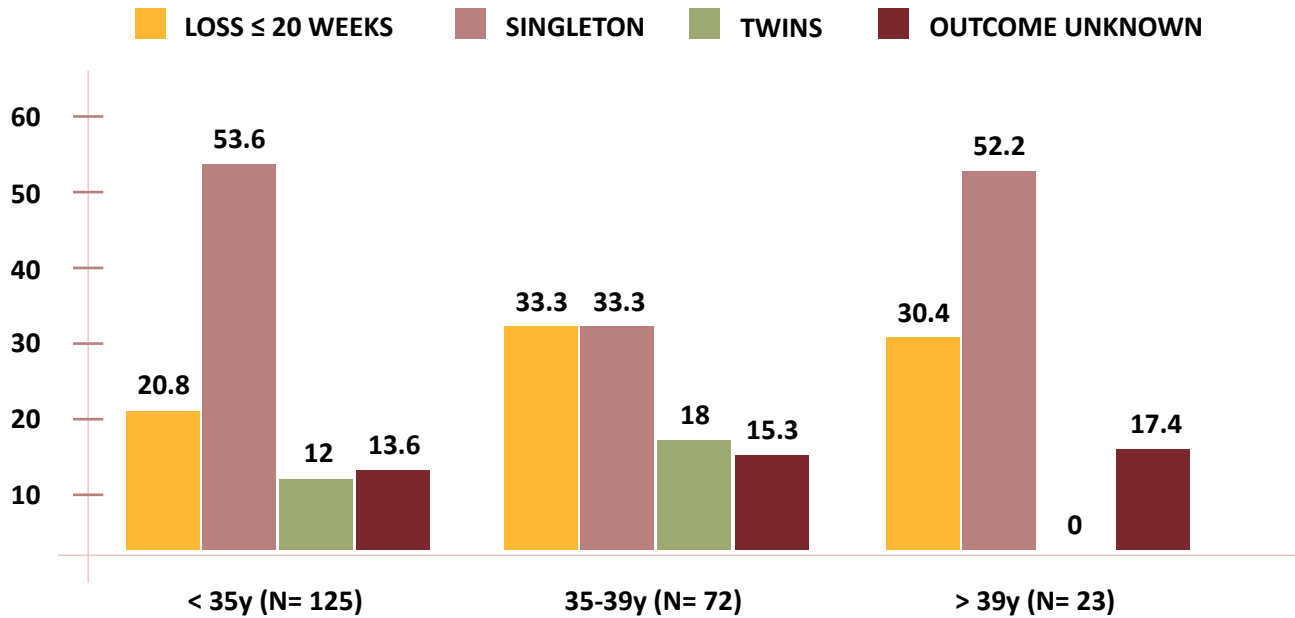


# EXTENDED DATA REPORTING

3 CENTRES REPORTING

Note: These tables do not include oocyte donation or frozen embryo transfers.

## IVF & ICSI: PREGNANCY OUTCOME (%) BY AGE OF FEMALE PARTNER



Y axis: Pregnancy outcomes (%) by age

X axis: Age of female partner. No. clinical pregnancies in each age category in brackets.

## IVF & ICSI: NO. CLINICAL PREGNANCIES OVER NO. EMBRYOS / BLASTOCYST TRANSFERRED

NO. TRANSFERRED	EMBRYOS CP / TFC (%) <sup>1, 2, 3</sup>	BLASTOCYSTS CP / TFC (%)	TOTAL CP / TFC (%)
Age <35			
One	3/27 (11.1)	4/11	7/38 (18.4)
Two	24/84 (28.6)	81/170 (47.6)	105/254 (41.4)
Three	6/13	2/19	8/32 (25)
Age 35-39			
One	2/34 (5.9)	2/13	4/47 (8.5)
Two	14/53 (26.4)	26/71(36.6)	40/124 (32.2)
Three	15/32 (46.8)	12/27 (44.4)	27/59 (45.8)
≥ Four	1/3	0/0	1/3
Age ≥ 40			
One	2/19	2/7	4/28 (14.3)
Two	7/30 (23.3)	2/9	9/39 (23)
Three	7/26 (26.9)	1/16	8/42 (19)
≥ Four	2/3	0/2	2/5

1. CP = Clinical Pregnancy

2. TFC = Transfer Cycle

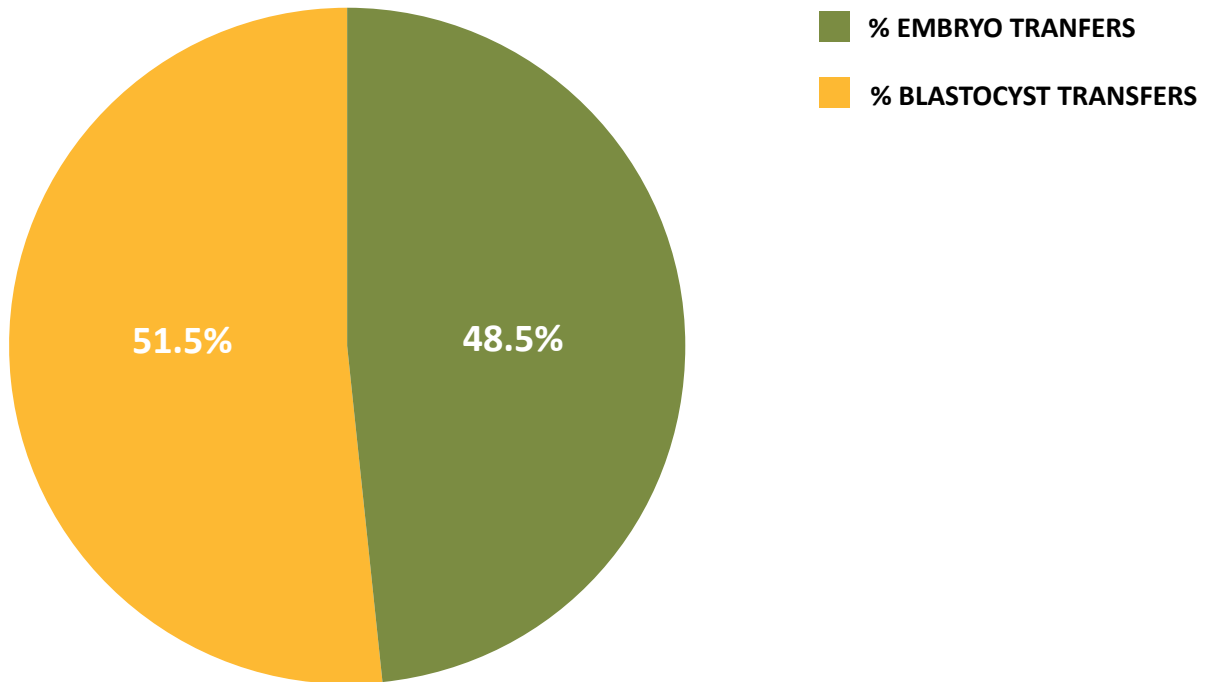
3. Percentage provided in brackets if no. cycles ≥30

# EXTENDED DATA REPORTING

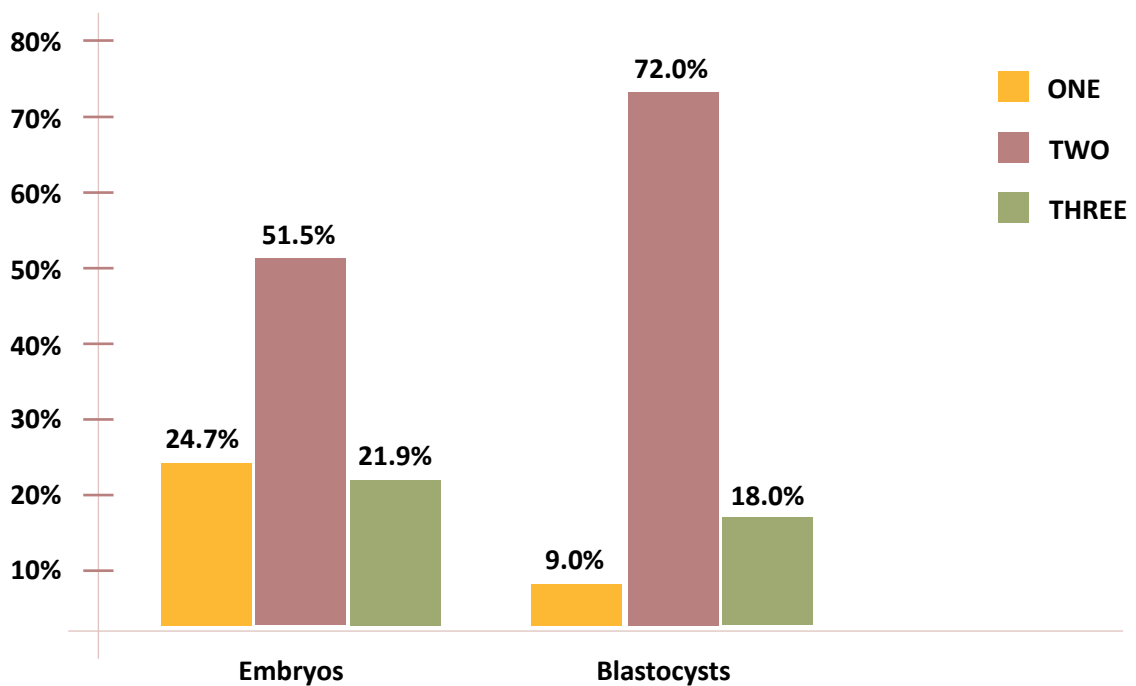
3 CENTRES REPORTING

Note: These tables do not include oocyte donation or frozen embryo transfers.

## IVF & ICSI: DISTRIBUTION OF EMBRYO VS BLASTOCYST TRANSFER CYCLES



## IVF & ICSI: DISTRIBUTION (%) OF NUMBER OF EMBRYOS AND BLASTOCYSTS TRANSFERRED



# EXTENDED DATA REPORTING

## 3 CENTRES REPORTING

Note: This table does not include cryopreservation in oocyte donation cycles.

### BLASTOCYST CRYOPRESERVATION

	< 35 YRS	35 - 39 YRS	> 39 YRS	Total
Aspirations resulting in embryo/ blastocyst freezing				117
Cycles with blastocysts <sup>1</sup> thawed	54	20	5	79
Cycles with blastocyst transfers	50	18	5	73
Clinical pregnancies	13	5	3	21
CPR/transfer cycle	26%	27.8%	60%	28.8%
Pregnancy outcome				
Pregnancy loss < 20 weeks	3	0	0	3
Singleton gestation or birth	8	2	1	11
Twin gestation or birth <sup>2</sup>	0	2	0	2
Outcome unknown	2	1	2	5

1. No cycles with thawed embryos were reported

2. No higher order multiple pregnancies were reported

# EXTENDED DATA REPORTING

3 CENTRES REPORTING

## OOCYTE DONATION: CYCLES BY AGE OF DONOR

**Note:** Oocyte donation cycles from *all other* centres are reported together with non-oocyte donation on page 10

	DONOR < 35 YRS	DONOR ≥ 35 YRS
Aspirations	96	4
Fertilisation by ICSI	69.1%	50%
Fresh embryo/blastocyst transfers	94	3
Clinical pregnancies	40	2
CPR/aspiration	41.7%	50%

# EXTENDED DATA REPORTING

3 CENTRES REPORTING

## OOCYTE DONATION: FRESH CYCLES BY AGE OF RECIPIENT

	< 35 YRS	35 - 39 YRS	> 39 YRS	Total
Embryo/blastocyst transfers	9	18	70	97
Clinical pregnancies	3	11	28	42
CPR/transfer cycle	33.3%	61.1%	40%	43.3%
Pregnancy outcome				
Pregnancy loss < 20 weeks	0	2	5	7
Singleton gestation or birth	3	5	15	23
Twin gestation or birth <sup>1</sup>	0	4	5	9
Outcome unknown	0	0	3	3

1. No triplet or other higher order multiple pregnancies were reported.

## OOCYTE DONATION: FROZEN CYCLES BY AGE OF RECIPIENT

	< 35 YRS	35 - 39 YRS	> 39 YRS	Total
Donor aspirations resulting in embryo/ blastocyst freezing				82
Cycles with blastocysts <sup>1</sup> thawed	4	10	27	41
Cycles with blastocyst transfers	3	10	23	36
Clinical pregnancies	1	3	5	9
CPR/transfer cycle	33.3%	30%	21.7%	25%
Pregnancy outcome				
Pregnancy loss < 20 weeks	0	2	2	4
Singleton gestation or birth	0	1	1	2
Twin gestation or birth <sup>2</sup>	1	0	2	3
Outcome unknown	0	0	3	0

1. No cycles with thawed embryos were reported

2. No triplet or other higher order multiple pregnancies were reported

# OVERVIEW: 2009 - 2011

	2009	2010	2011
<b>Total no. centres</b>	<b>12</b>	<b>14</b>	<b>15</b>
Aspirations	4512	4923	5643
Fresh embryo transfers	3872	4319	4802
Clinical pregnancies	1303	1595	1794
Clinical PR/ aspiration	28.9%	32.4%	31.8%
Clinical PR/ aspiration IVF	31.9%	30.8%	30.2%
Clinical PR/ aspiration ICSI	27.9%	32.3%	30.7%
ICSI: % of ETs	63.2%	68.3%	70.1%





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