ICMART is a non-State actor in official relations with the World Health Organization.
The authors declare that they have no commercial or financial interest pertaining to the subject of this presentation or its content.
2013: 1,503,879 cycles: Increase from 2012 = 143,897 (10.6%)
10 Main Contributors

Japan: 368,627
US: 147,576
France: 89,583
Spain: 83,724
Germany: 76,422
Russia: 68,665
Australia: 64,059
Italy: 62,477
UK: 62,343
Israel: 39,184

71% of 1,503,879 cycles
Participation and Coverage

- 74 countries: 25 in 1991 → 69 in 2012
  - Almost all of Europe, the Americas, Australia-NZ
  - Missing countries: Middle-East, Asia
  - 12 African countries (Benin, Cameroon, Ghana, Ivory Coast, Mali, Mauritius, Morocco, Nigeria, South Africa, Togo, Tunisia)
- 2,638 clinics (+87): 72% of all clinics in reporting countries
- 33 countries >90% coverage (-3); 30 full (=)

63-70% of World ART activity
Africa

- ANARA (African Network and Registry for ART) involved in 2013 data collection
- Data received from Benin, Cameroon, Ghana, Ivory Coast, Mali, Mauritius (new), Nigeria, Togo, South Africa
- Francophone and Anglophone Africa part of ANARA
- Website and registry access: [www.anara-africa.com](http://www.anara-africa.com)
- Growth and capacity building
Regional Contribution 2013: N=1,503,879 cycles

- Europe: 47%
- Asia: 30%
- North America: 12%
- Latin America: 5%
- Middle East: 3%
- Australia: 3%
- Africa: 1%
- Asia: 30%
- North America: 12%
- Latin America: 5%
- Middle East: 3%
- Australia: 3%
- Africa: 1%
- Europe: 47%

*Corresponds to aspiration cycles in IVF, ICSI & GIFT and transfer cycles in FET & OD.*
Global Results 2013

- 1,503,879 initiated cycles
- 284,348 deliveries
- Compared to 2012:
  - + 143,897 cycles (10.6% increase)
  - +21,863 deliveries (8.3% increase)

- New trend: Freeze all
  - 85,041 cycles (+21%)
  - 75,117 Japan (+20%)
- Not in calculations:
  - PR, DR/cycle, aspiration
- Included in cum. Rates
- Probably underreported
2013: 1,503,879 Initiated Cycles

- 926,963 aspirations (+6.0%)
  - 275,854 IVF*
  - 607,918 ICSI*
  - 72 GIFT

- 415,838 Thaws (+17.3%)

- 17,565 PGD/PGS (Asp, +5.7%)

- 83,657 Egg donations (+1.2%)

- 41,406 cancellations (-1.0%; reported by 37)

Delivery rates**

- 19.2% (-0.3%)
- 21.9% (+1.0%)
- 20.6% (-3.2%)
- 32.2% (-0.7%)

* Not counted / countries combining IVF & ICSI: Ghana, India, Israel
** DR after removing Freeze All cycles
Trends in Distribution: Aspirations, FET, OD

[Chart showing trends from 1991 to 2012 with categories for OD, Fresh asp, and Thawings]
Trends in Distribution: IVF vs ICSI
Procedure Distribution by Region 2013

![Bar chart showing procedure distribution by region with specific percentages for Europe, Middle East, North America, Asia, Latin America, Africa, and A-NZ. The chart indicates the distribution of GIFT, IVF, and ICSI procedures across different regions.](chart.png)
Fresh and Cumulative DR/ASP by Region 2013: IVF & ICSI

N America: 32.6% Fresh cycles, 53.5% Cumulative
Lat Am: 25.3% Fresh cycles, 30.1% Cumulative
Europe: 20.5% Fresh cycles, 26.6% Cumulative
A-NZ: 20.3% Fresh cycles, 32.5% Cumulative
Asia: 9.4% Fresh cycles, 19.5% Cumulative
Mid East: 19.8% Fresh cycles, 24.8% Cumulative
Africa: 24.6% Fresh cycles, 26.7% Cumulative
Transfers of 1-2 Embryos per Region
1998 - 2013

[Bar chart showing transfers of 1-2 embryos per region from 1998 to 2013.]
Delivery Rate (fresh) and Twin Pregnancies by Region 1998 - 2013
Triplet Pregnancies (%) by Region 1998 - 2013

North America
Latin America
Europe
A-NZ
Asia
Africa
Middle East

Triplets 1998
Triplets 2013
Conclusion

- 1,503,879 cycles reported (+10.6%)
  - Estimated 2.1-2.4 million worldwide
- 333,718 babies born (+10.4%)
  - Estimated 476,000-530,000 worldwide
  - ~7.0 million babies born since ART began in 1978
- 19.2 % Delivery rate per aspiration, fresh (-0.3%),
  - 27.4% cumulative delivery rate/aspiration (-2.5%)
  - 68.8% ICSI (+0.6%); 26.7% women age >40 (+1.4%)
  - Mean number of transferred embryos: 1.81 (-0.07)
- Huge differences in availability, practice and results
- Registry issues: day of transfer, freeze-all, PGT
Thank You To Our Contributors

- **EUROPE : ESHRE (38)** : Albania, Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Latvia, Lithuania, Macedonia, Malta, Moldova, Montenegro, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovenia, Spain, Sweden, Switzerland, The Netherlands, UK, Ukraine

- **AUSTRALIA -NEW ZEALAND (2)**

- **LATIN AMERICA (15)** : Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guatemala, Mexico, Nicaragua, Panama, Paraguay, Peru, Rep Dominicana, Uruguay, Venezuela

- **NORTH AMERICA (2)** : Canada, USA

- **MIDDLE EAST (1)** : Egypt

- **NATIONAL REGISTERS (6)** : India, Indonesia, Israel, Japan, Korea, South Africa

- **INDIVIDUAL CLINICS (10)** : Benin, Cameroon, Ghana, Ivory Coast, Mali, Mauritius, Morocco, Nigeria, Togo, Tunisia
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