ICMART is a non-State actor in official relations with the World Health Organization.

David Adamson: USA/Canada
Fernando Zegers: Chile
Jacques de Mouzon: France
Osamu Ishihara: Japan
Silke Dyer: South Africa
Ragaa Mansour: Egypt
Manish Banker: India
Georgina Chambers: Australia
Disclosure

The authors declare that they have no commercial or financial interest pertaining to the subject of this presentation or its content.
2014: 1,647,777 cycles; Increase from 2013 = 143,898 (+9.6%)
## 10 Main Contributors

<table>
<thead>
<tr>
<th>Country</th>
<th>Cycles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>391,988</td>
</tr>
<tr>
<td>US</td>
<td>161,344</td>
</tr>
<tr>
<td>Spain</td>
<td>119,623</td>
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<tr>
<td>Russia</td>
<td>96,213</td>
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<tr>
<td>France</td>
<td>94,323</td>
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<tr>
<td>Germany</td>
<td>81,177</td>
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<tr>
<td>Italy</td>
<td>67,228</td>
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<tr>
<td>Australia</td>
<td>65,671</td>
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<tr>
<td>UK</td>
<td>63,954</td>
</tr>
<tr>
<td>Israel</td>
<td>40,699</td>
</tr>
</tbody>
</table>

71.7% of 1,647,777 cycles
Participation and Coverage

- 77 countries: 25 in 1991 ➔ 74 in 2013
  - Almost all of Europe, the Americas, Australia-NZ
  - Missing countries: Middle-East, Asia
  - 13 African countries (Benin, Cameroon, Egypt, Ghana, Ivory Coast, Mali, Mauritius, Morocco, Nigeria, Senegal, South Africa, Togo, Tunisia)
- 2,734 clinics (+96): 63% of all clinics in reporting countries (1132 missing in India): 83.7% participation if India excluded
- 39 countries >90% coverage (+6); 31 full (+1)

63-70% of World ART activity
Africa

- ANARA (African Network and Registry for ART) involved in 2014 data collection from 13 countries
  - Francophone and Anglophone Africa part of ANARA
  - 3 countries not in ANARA (Egypt, Morocco, Tunisia)
- Website and registry access: www.anara-africa.com
- Growth and capacity building
  - 13 countries
  - 7 workshops
  - 1st data released
  - ART visibility
  - Collaboration
  - African identity
Regional Contribution 2014: N=1,647,777 cycles

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

*Corresponds to aspiration cycles in IVF, ICSI & GIFT and transfer cycles in FET & OD.*
Global Results 2014

- 1,647,777 initiated cycles
- 311,193 deliveries
- Compared to 2013:
  - + 143,898 cycles (+9.6%)
  - +26,845 deliveries (+9.4%)

- Recent trend: Freeze all
- 130,065 cycles (+53%)
- 83,303 in Japan (+11%)
- Not in calculations:
  - PR, DR/cycle, aspiration
- Included in cumul. PR
- Probably underreported
2014: 1,647,777 Cycles

- 1,006,841 aspirations (+8.6%)
  - 276,317 IVF*
  - 663,701 ICSI*
  - 68 GIFT
  Delivery rates**
  - 456,192 FET (+9.7%) 20.2% (+1.0%)
  - 30,914 PGD/PGS (Asp. + 76%) 22.9% (+1.0%)
  - 108,064 Egg donations (+29.2%) 28.7% (+8.0%)
  - 36,827 cancellations (-1.0%; reported by 37)

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


Legend:
- OD
- Thaws
- Fresh asp
Trends in Distribution: IVF vs ICSI
Procedure Distribution by Region 2014

Europe: 71.5%
Middle East: 75.8%
North America: 63.6%
Asia: 85.5%
Latin America: 90.5%
Africa: 66.0%
A-NZ: 0%

Legend:
- GIFT
- IVF
- ICSI
Fresh and Cumulative DR/ASP by Region 2014: IVF & ICSI
Transfers of 1-2 Embryos per Region
1998 - 2014

Delivery Rate (fresh) and Twin deliveries by Region 1998 – 2014
Triplet Pregnancies (%) by Region
1998 - 2014

North America
Latin America
Europe
A-NZ
Asia
Africa

Triplets 1998
Triplets 2014
Conclusion

- **1,647,777 cycles** reported (+9.6%)
  - Estimated 2.3-2.6 million worldwide
- **357,344 babies** born (+7.1%)
  - Estimated 510,000-567,000 worldwide
  - ~8 million babies born since ART began in 1978
- **20.2 % Delivery rate per aspiration, fresh** (+1.0%),
  - **28.6% cumulative delivery rate/aspiration** (+1.2%)
  - 70.6% ICSI (+1.8%); 27.1% women age >40 (+0.4%)
  - Mean number of transferred embryos: 1.73 (-0.08)
- Huge differences in availability, practice and results
- Registry issues: day of transfer, freeze-all, PGT
Thank You To Our Contributors

- **EUROPE : ESHRE (39)**: Albania, Austria, Belarus, Belgium, Bosnia,  
  Bulgaria, Croatia, Cyprus, Czech Rep, Denmark, Estonia, Finland, France,  
  Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Latvia, Lithuania,  
  Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal,  
  Romania, Russia, Serbia, Slovenia, Spain, Sweden, Switzerland, UK, Ukraine

- **AUSTRALIA—NEW ZEALAND (2)**

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

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

- **NATIONAL REGISTERS (7)**: India, Indonesia, Israel, Japan, Korea,  
  South Africa, Taiwan

- **INDIVIDUAL CLINICS (12)**: Benin, Cameroon, Egypt, Ghana, Ivory Coast,  
  Mali, Mauritius, Morocco, Nigeria, Senegal, Togo, Tunisia
Thank You to our Sponsoring Organizations