

21 March 2022

## **Statistics for the Regional Fertility Centre from 2012 to 20/02/2022**

**Please provide the following statistics for the Regional Fertility Clinic from 2012 to date (20/02/2022).**

- 1. Live birth rate per embryo transferred for women under the age of 35**
- 2. Clinical pregnancy rate per embryo transferred for women under the age of 35**
- 3. What is the overall pregnancy success rate for women under the age of 35 and how many cycles of IVF were undertaken on average before success?**

Please note that unfortunately Belfast Trust can only provide information from 2013 to date. The reason for this is that our fertility database was only introduced from that time. In order to get the 2012 data this would require looking for archived files, which would require more than 18 hours work in total.

Belfast Trust considers that the cost of retrieving the information would be above the 'Appropriate Limit', as defined by the Freedom of Information Act under Section 12. Section 12 of the Freedom of Information Act makes provision for public authorities to refuse requests for information where the cost of dealing with them would exceed the appropriate limit. The limit has been specified as £450 for public authorities such as Belfast Trust. This represents the cost of one or more persons spending 18 hours in determining whether we hold the information, locating, retrieving and extracting this information.

### **Live birth rate per embryo transferred for women under the age of 35:**

- Between 01/04/2013 and 31/12/2020, 3727 IVF/ICSI cycles were carried out in the Regional Fertility Centre, resulting in 2953 Embryo Transfers.
- The reason for choosing December 2020 as a cut off allows us to be certain of live birth outcomes.
- 1032 live births after exclusion of egg/embryo donation cycles and neonatal deaths.
- 27.7% per cycle started
- 35.0% per Embryo Transfers

### **Clinical pregnancy rate per embryo transferred for women under the age of 35:**

- Between 01/04/2013 to 31/12/2020, 3727 IVF/ICSI cycles were carried out in the Regional Fertility Centre resulting in 2953 Embryo Transfers.
- 1283 clinical pregnancy after exclusion of egg/embryo donation cycles
- 43.4% per Embryo Transfers

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**What is the overall pregnancy success rate for women under the age of 35 and how many cycles of IVF were undertaken on average before success?**

- 1377 pregnancies during this period
- 46.7% per Embryo Transfers
- As the NHS only funds one cycle of treatment, we would not have accurate figures on cumulative Live Birth rates. However, our Live Birth rates are similar to the other large population studies, e.g. Belgium data, the projected cumulative Live Birth rates would be between 50 - 59% after 3 full IVF/ISI cycles, including using all the available frozen embryos.

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**Table II Cumulative birth rate: Results include fresh cycles and all frozen-thawed embryo transfer cycles resulting from the same oocyte recovery.**

	Fresh (oocyte recovery) cycle					
	1	2	3	4	5	6
Number of women	12 869	6915	3783	1984	932	408
Number of live births	3804	1714	824	410	164	51
Conditional LBR (%)	29.6	24.8	21.8	20.7	17.6	12.5
Conservative CLBR (%)	29.6	42.9	49.3	52.5	53.7	54.1
SE conservative CLBR (%)	0.4	0.44	0.44	0.44	0.44	0.44
Optimal CLBR (%)	29.6	47	58.6	67.1	72.9	76.3
SE optimal CLBR (%)	0.4	0.47	0.51	0.56	0.61	0.7
Withdrawal (%)	23.7	27.3	33	40.8	46.9	

LBR, live birth rate; CLBR, cumulative live birth rate; SE, standard error.  
Conditional LBR = cycle-specific live birth rate calculated for all pregnancies resulting from a given oocyte recovery.