

# Human Assisted Reproduction 2010 Live Birth Rates for Canada



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## ASSISTED HUMAN REPRODUCTION LIVE BIRTH RATES FOR CANADA

The Canadian Fertility and Andrology Society (CFAS) today released the tenth annual nation-wide results on assisted human reproduction success rates in Canada. The rates of pregnancy and live birth in the country's fertility clinics are on par with other national registries, including the United States. The complication rate remains low.

Under the leadership of the CFAS and the IVF Medical Directors of Canada, all in vitro fertilization (IVF) centres in Canada voluntarily participated in the collection of nationwide data on the results of assisted reproduction. The data were presented at the 13th annual meeting of the Directors of Canadian IVF Centres, held in Vancouver, BC, under the auspices of the CFAS.

Live birth rates were reported for a combined total of 9904 IVF treatment cycles (including intracytoplasmic sperm injection [ICSI]) undertaken in all 28 IVF centres in Canada in 2008. There were 2895 IVF/ICSI treatment cycles performed in 8 centres in Western Canada, 5072 cycles in 14 centres in Ontario, 1655 cycles in 5 centres in Quebec, and 282 cycles in 2 centres in Atlantic Canada.

The overall live birth rate was 29% per cycle started, 31% per egg retrieval procedure, and 34% per embryo transfer procedure.

71% of births were singletons, 28% were twins, and 1% were triplets or more.

A healthy term singleton birth occurred following 16% of cycles started, 17% of cycles having egg retrieval, and 18% of cycles having embryo transfer.

The live birth rates per cycle started, by age of the mother, were:

38% for women under 35 years old

28% for women aged 35-39 years

11% for women 40 years old and over.

The chances of a healthy term singleton baby per cycle started, by age of the mother, were:

20% for women under 35 years old

16% for women aged 35-39 years

7% for women 40 years old and over.

The proportion of babies with congenital anomalies was not different from that in the population of women conceiving naturally.

The miscarriage rate of 17% per clinical intrauterine pregnancy is in keeping with that for natural conceptions.

Preliminary results were reported for a combined total of 10390 IVF/ICSI treatment cycles undertaken in all 28 IVF centres in Canada in 2009:

The overall pregnancy rate was 37% per cycle started, 40% per egg retrieval procedure, and 43% per embryo transfer procedure .

69% of pregnancies were singletons, 29% were twins, and 2% were triplets or more.

A singleton pregnancy occurred following 24% of cycles started, 26% of cycles having egg retrieval, and 27% of cycles having embryo transfer.

The pregnancy rates per cycle started, by age of the mother, were:

46% for women under 35 years old

37% for women aged 35-39 years

20% for women 40 years old and over.

The singleton pregnancy rates per cycle started, by age of the mother, were:

29% for women under 35 years old

24% for women aged 35-39 years

14% for women 40 years old and over.

Complications occurred in fewer than 2% of treatment cycles.

Live birth rates for assisted human reproduction cycles started in 2009 will be released when they become available.

The CFAS makes these data available for reference and education. The information should be reviewed together with an appropriate healthcare professional. Results vary by centre and specific information can be obtained from each centre. A list of the participating IVF centres is available on request through the CFAS.

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