



CANADIAN FERTILITY AND ANDROLOGY SOCIETY SOCIÉTÉ CANADIENNE DE FERTILITÉ ET D'ANDROLOGIE

PRESS RELEASE

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Canadian IVF Clinics continue to improve patient safety by bringing the multiple live birth rate from IVF to an all-time low of 3.7%.

Vancouver, BC – The Canadian Assisted Reproductive Technologies Register (CARTR Plus) Annual Report was presented at the Canadian Fertility and Andrology Society (CFAS) Meeting held in Vancouver, BC.

In 2023, 35 fertility clinics from 8 provinces across Canada contributed data to CARTR Plus, which is managed by the Better Outcomes Registry and Network (BORN), Ontario. Over 28,000 patients received IVF treatment in Canada in 2023, leading to 10,318 ongoing pregnancies. From cycles performed in 2022 there were 7,609 live births. Where at least one embryo transfer (ET) attempt occurred within 12 months of IVF, there was a 42% chance of live birth with embryos that had not undergone preimplantation genetic testing (PGT) and a 51% chance of live birth with embryos that had undergone PGT.

The type of assisted reproductive technology (ART) services accessed by Canadians is changing over time. More patients are seeking genetic screening of embryos, and now over 6300 (approximately 35%) of frozen embryo transfers (FETs) underwent PGT for aneuploidy (PGT-A), monogenic disorders or Chromosomal Structural Rearrangement (PGT-M/SR).

There has been a 90% increase in cycles for oocyte banking since 2013, with 75% of retrievals being elective. There has also been an increase in third party fertility. In 2023, there were 1131 pregnancies from donor oocytes and 962 live births. There were 428 ongoing pregnancies from gestational carriers and 271 live births.

Key statistics from the 70th annual meeting of the CFAS

- There were 3757 fresh embryo transfers, 1121 (29.8%) resulting in an ongoing pregnancy, and 952 (20.5) in a live birth
- There were 11947 frozen embryo transfers (FET) without PGT-A testing, resulting in 4693 (39.3%) with an ongoing pregnancy, and 2965 (27.2%) with a live birth
- There were 6376 FETs with PGT-A, 2812 (44.1%) resulting in an ongoing pregnancy, and 2175 (39.9%) in a live birth
- There were 210 (3.7%) multiple live births

Conclusion

In summary, the 2023 CARTR Plus Annual Report underscores significant growth and evolving trends in fertility treatment across Canada. The data highlights a substantial increase in the use of assisted reproductive technologies, with more patients opting for advanced genetic screening and elective oocyte banking. The rise in third-party fertility treatments, including the use of donor oocytes and gestational carriers, reflects broader societal shifts and advancements in reproductive medicine. As fertility services continue to expand and evolve, these findings underscore the importance of ongoing research, innovation, and support for patients navigating their fertility journeys.