

National Donor Sperm ART Trends and Outcomes: 2014-2022

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BACKGROUND

- Use of third-party reproduction, specifically the use of donor sperm, has increased by 122% over the last three decades¹
- More people are utilizing ART due to a variety of factors, including broadened insurance coverage² and increased access and knowledge for single women and the LGBTQ+ population³
- Only a few studies have analyzed donor sperm cycle outcomes using national data, with the most recent study including cycles up to 2014¹

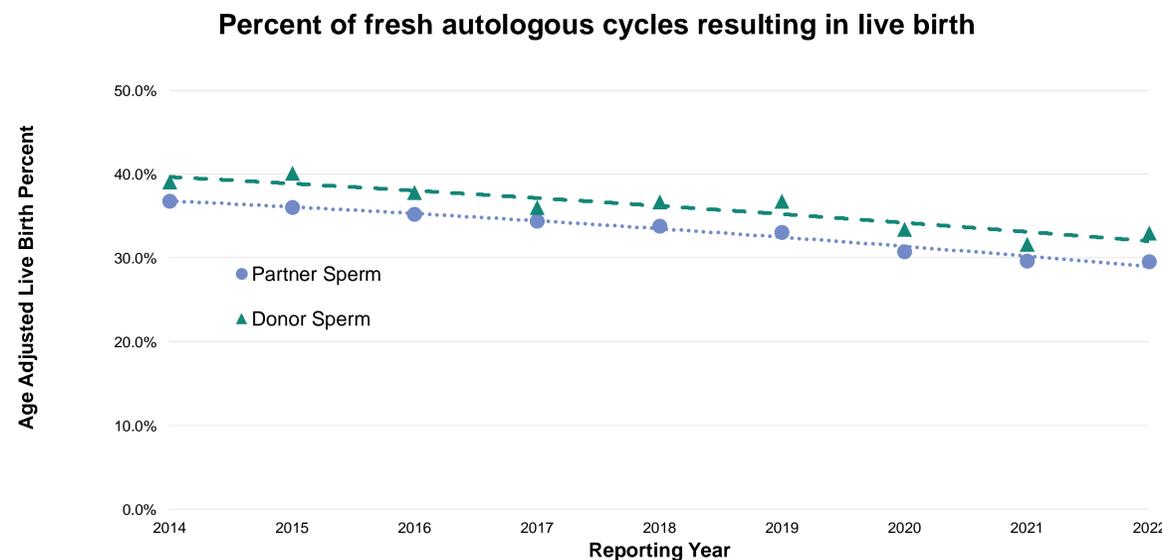
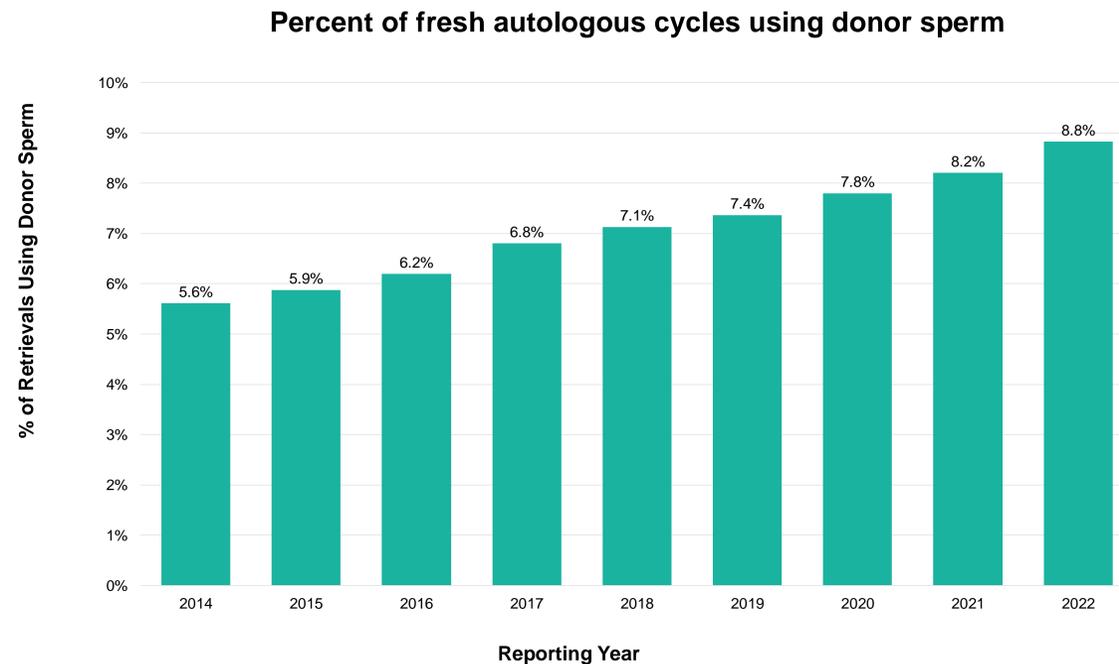
OBJECTIVES

- To describe the trends and outcomes in donor sperm use in the United States from 2014-2022

METHODS

- Retrospective cohort study using SART data, 2014-2022
- Includes fresh autologous oocyte cycles, comparing outcomes in donor sperm and non-donor sperm cycles
- Primary outcome: live birth rate

RESULTS



CONCLUSION

- The proportion of donor sperm cycles has steadily increased over time with 8.8% of cycles using donor sperm in 2022 compared to 5.6% of cycles using donor sperm in 2014
- Live birth rates among donor sperm users are higher even after adjusting for patient age at the time of oocyte retrieval
- Higher live birth rates among donor sperm users may be related to the fact that many donor sperm users are single women or women in a same-sex partnership, and thus, have no underlying infertility
- Further research is needed in reciprocal IVF cycles using donor sperm

REFERENCES

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