

10th anniversary Fiom's KID-DNA Database


Timeline

Before 2004


Mainly anonymous sperm donation in the Netherlands, resulting in approximately 40,000 conceived children. Reliable registrations may not always be available.

From 2010 onwards

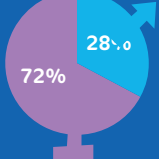
In cooperation with the Canisius Wilhelmina Hospital (CWZ), Fiom established the Fiom KID-DNA Database in 2010. It enables us to match donor-conceived persons and anonymous donors based on DNA. The focus lies on a DNA match between the donor and the donor-conceived person. Fiom guides the contact between parties.



Who are registering in the database?



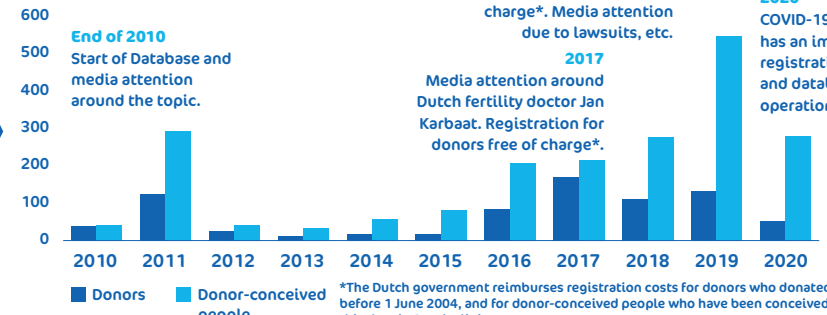
769
donors,
average age
66 years old



1976
donor-conceived
people,
average age
32 years old

28% (Donor-conceived people)
72% (Donors)

Number of registrations




End of 2010
Start of Database and media attention around the topic.

2017
Media attention around Dutch fertility doctor Jan Karbaat. Registration for donors free of charge*.


End of 2018
Registration for donor-conceived children free of charge*. Media attention due to lawsuits, etc.

2020
COVID-19 has an impact on registrations and database operation.


*The Dutch government reimburses registration costs for donors who donated sperm before 1 June 2004, and for donor-conceived people who have been conceived before this date in Dutch clinics.



Registration numbers increase due to media attention, political interest, and the removal of financial thresholds.



Donors are motivated due to awareness of the importance of ancestral information for donor-conceived people.




It remains a top priority to reach anonymous donors who have not made themselves known.

More registrations lead to more matches


In the past 5 years, the Database has grown 4 times its original size. The increase of registrations has led to an increase in the number of matches.

2015




12% of donor-conceived people match with a donor


2020



37% of donor-conceived people match with a (virtual) donor

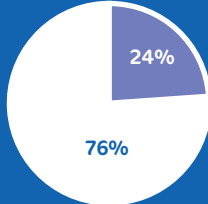


14% of donors match with one or more donor-conceived people



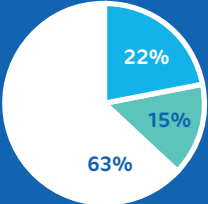
24% of donors match with one or more donor-conceived people

Total number of matches in 10 years



Matches of donors with donor-conceived people (N=769)

- Match with one or more donor-conceived people (76%)
- No match yet (24%)



Matches of donor-conceived people with donors (N=1976)

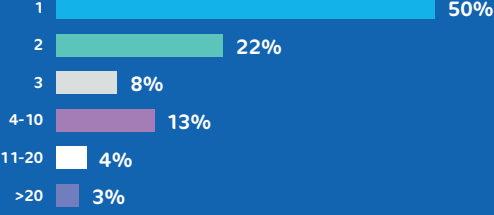
- Match with donor (22%)
- Match with virtual donor profile* (15%)
- No match yet (63%)

*A virtual donor profile is a DNA profile that may be created under specific circumstances without the donor being registered.

Group matches

A group of 4 or more donor-conceived people conceived by the same (virtual) donor, is considered a group match. There are now 25 groups with a matched donor and the largest group match consists of 44 donor-conceived people. In addition, 13 group matches are linked to virtual donor profiles, the largest group consisting of 60 donor-conceived people.

Number of matched donor-conceived people per donor (N=182)



1	50%
2	22%
3	8%
4-10	13%
11-20	4%
>20	3%

Conclusion

Ten years of Fiom KID-DNA Database experience and research strengthens our understanding of donor conception. The following findings provide input for donor conception practice and policy:

- In addition to donor-conceived people, donors have a need for information, too.
- The size of the group matches is increasing and this leads to new questions: How can donor-conceived people give meaning to these new relationships? How do these fit into existing relationships?

