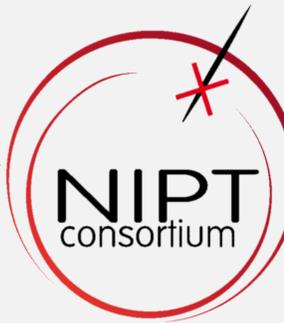


EXPERIENCES OF PREGNANT WOMEN WITH GENOME-WIDE NIPT IN A NATIONAL SCREENING PROGRAM: A QUESTIONNAIRE STUDY



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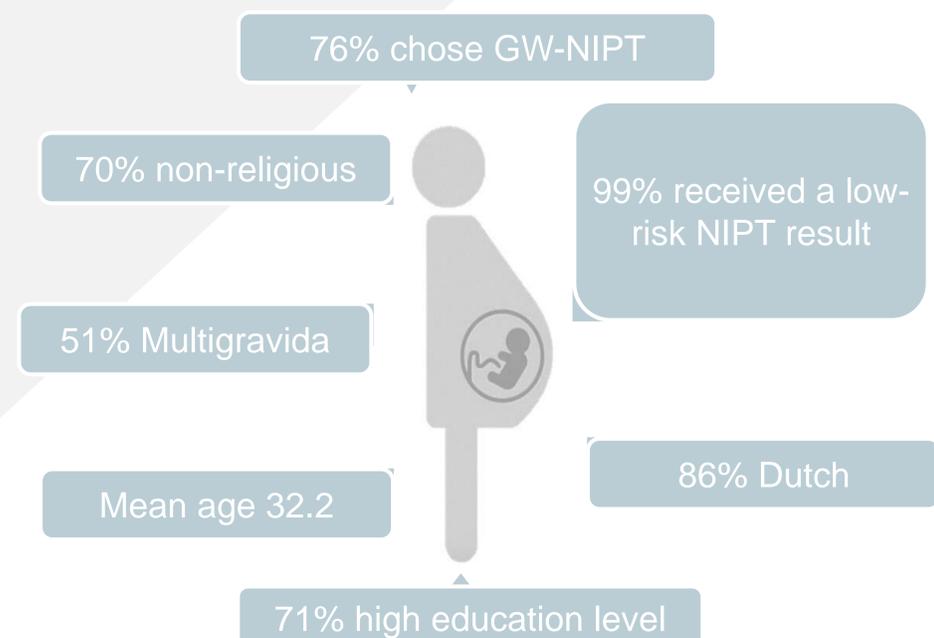
Background & Aim

It is important to include pregnant women's perspectives in the debate on the expanding offers of Non Invasive Prenatal Testing (NIPT), especially now that the technological possibilities are rapidly increasing. In the Netherlands, all women can choose to have first-tier genome-wide (GW)-NIPT, with the option to report findings beyond the common trisomies (with the exclusion of sex-chromosomes), as part of the TRIDENT-2 study. This study aimed to evaluate women's experiences with the offer of genome-wide first-tier NIPT.

Method

- **Study design:** Pre and post-test questionnaire study conducted between November 2017 and October 2018 as part of the TRIDENT-2 study.
- **Respondents:** Women (n=474) choosing between GW and targeted NIPT, recruited from 29 midwifery practices and five hospitals across the Netherlands.
- **Outcomes:** Reasons for or against choosing GW-NIPT, general anxiety (STAI), pregnancy related anxiety (PRAQ-R), satisfaction, and opinion on the future scope of prenatal screening.

Results



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Main reasons for choosing GW-NIPT

"I want as much information as possible regarding my child's health" (39%)
"To be prepared for everything" (24%)

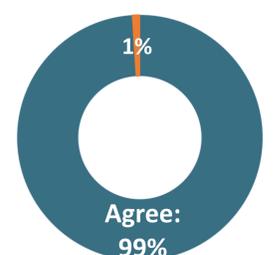
Main reasons for choosing targeted NIPT

"To avoid uncertain results" (34%)
"I do not want to unnecessarily worry" (33%)

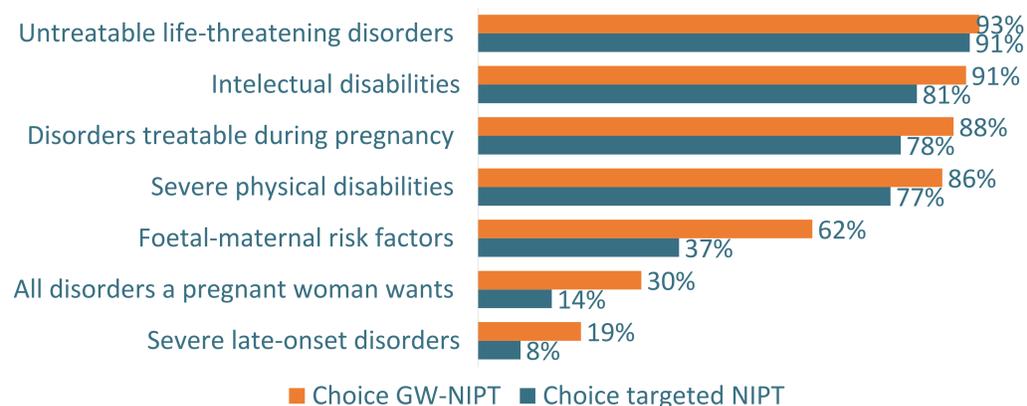
PREGNANCY RELATED ANXIETY



I am glad to have been offered NIPT



Percentage of participants that agrees with a future prenatal test aimed at:



Conclusion

- Women who chose first-tier NIPT were satisfied with possibility to opt for NIPT, and most women were favourable towards a broader future prenatal screening offer regardless of their choice for GW-NIPT or targeted NIPT.
- Our results contribute to the debate concerning the expansion of NIPT, and can improve information provision for pregnant women.

