

# The 10-minute presentation • Danish conditions for prospective studies • The aim and design of the birth cohort • Materials collected • Ownership and access





## anish National Birth Cohort

# **Practical aims**



- To recruit 100,000 pregnant women and offspring
- Collect exposure information by means of 4 telephone interviews
- Set up a biobank with 2 blood samples from the mother and 1 from the child
- Get food frequency data and over-thecounter medication from questionnaire

#### anish National Birth Cohort

## **Overall** aim

To identify prenatal and perinatal determinants of importance for reproductive failures and diseases that manifest themselves later in life.



## Danish National Birth Cohor

# **Participants**

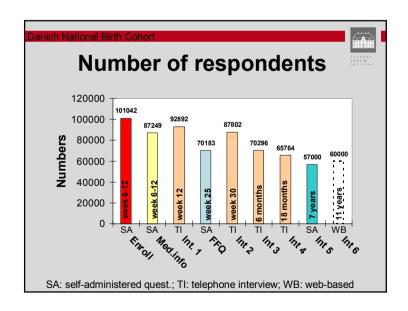


- Target population: all pregnant women
  - –living in Denmark
  - speaking Danish well enough to take part in interviews
  - -intended to carry their pregnancy to term
- Recruitment as early as possible in pregnancy (first visit to general practitioner)

# Recruitment



- During 1996-2002 we enrolled 101,042 pregnancies. We have prospectively monitored the outcome of these pregnancies
- Approximately 30% of all pregnant women in Denmark were recruited through collaboration with GP's and midwives
- About half of all GPs were active, about 60% of women invited finally joined



## anish National Birth Cohort



# Three types of data collected

## Self-reported data on exposures and outcomes.

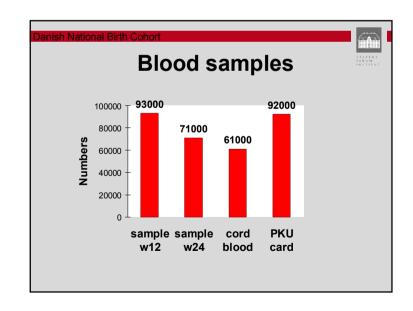
Main exposures of interest are: lifestyle factors, diet, social conditions, infections, medications & environmental exposures

## Biological data.

Blood from mother (pregnancy week 12 and 24), and child (cord blood and PKU card at day 3-5) stored in biobank

## **Data from existing registers**.

F.ex. National Patient Registry & the Medical Birth Registry, medical prescriptions, disabilities, and death



## Danish National Birth Cohort



# **Access to Data**

- The DNBC is a national registry, owned by the Danish National Board of Health.
- DNBC data are available for all researchers (see <u>DNBC@ssi.dk</u>)
  - -As long as projects
    - do not harm the DNBC's reputation
    - are compatible with the overall aim
- · Access to biological specimens is restricted
- All applications must be approved by the Management Group and Steering Committee



## Danish National Birth Cohor

# 11-year follow-up





• www.club11.dk