

The pilot project *pro kind*

WIR BEGLEITEN JUNGE FAMILIEN

Preliminary results from early intervention



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„Pro Kind“ – Brief description

- „Pro Kind“ is a pilot project for high-risk primiparous women and their families.
 - It closely models the Nurse-Family Partnership Program (Olds, 2004) with necessary adjustments to the German social state.
 - In the U.S., nurses conduct the home visits, in Germany midwives and social pedagogues act as family attendants.
 - Randomized control group design in three federal states: Lower Saxony, Bremen/Bremerhaven, Saxony
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Target Group Criteria

- Primiparous pregnant women
 - Registration from the 12th until the 28th week of pregnancy
 - Financial problem position
 - Unemployment compensation
 - Over-indebtedness
 - At least one personal/social risk factor
 - teenage pregnancy
 - no graduation
 - social isolation
 - health problems (physic or psychic)
 - Receptive and expressive German language competence
 - Assured right of residence
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Projectphase I:
Prenatal Intervention

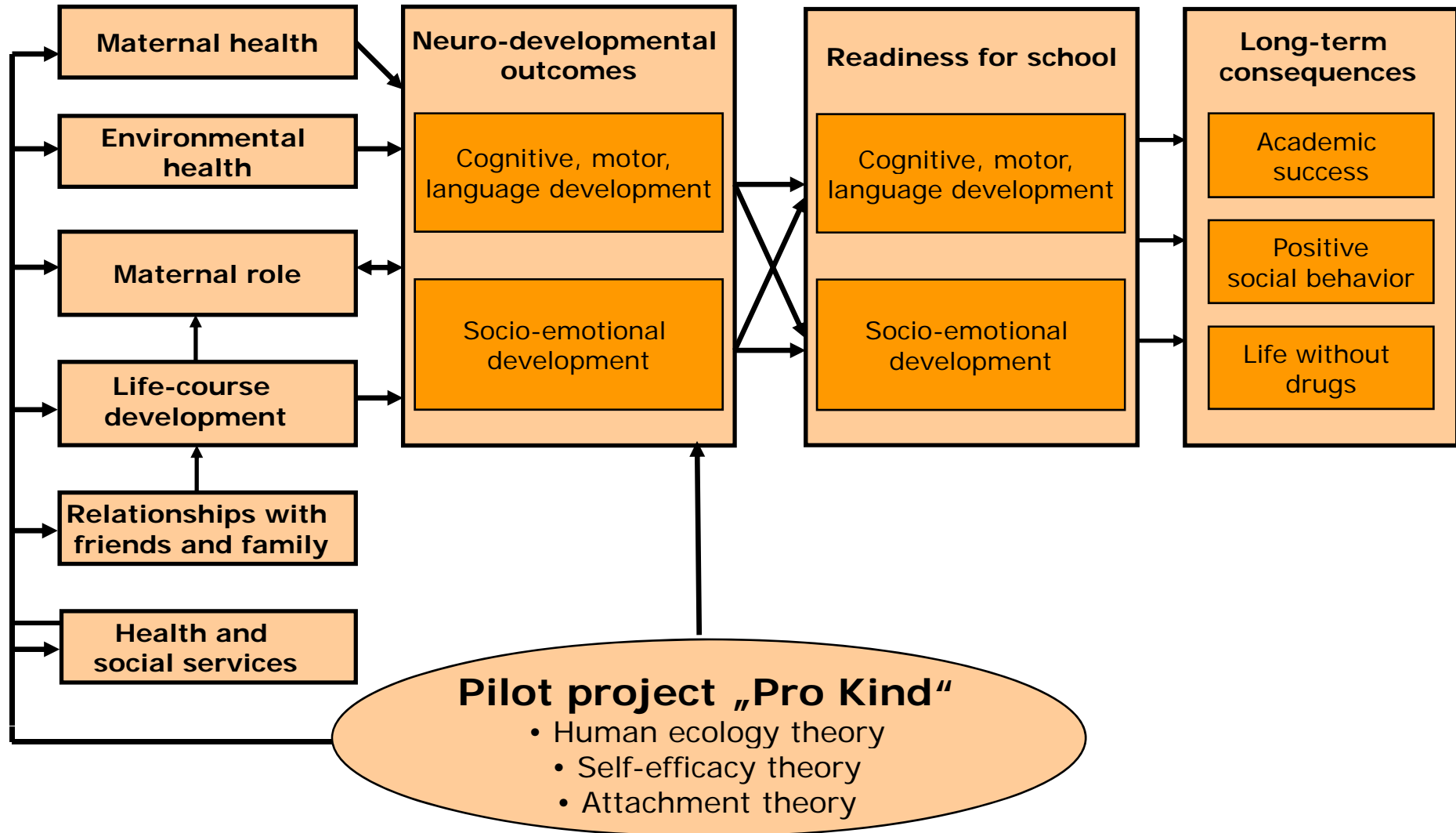
Projectphase II:
Early Childhood Intervention

Mother/Father

**Infant/
Toddler**

Preschooler

Adolescent



Objectives of „Pro Kind“



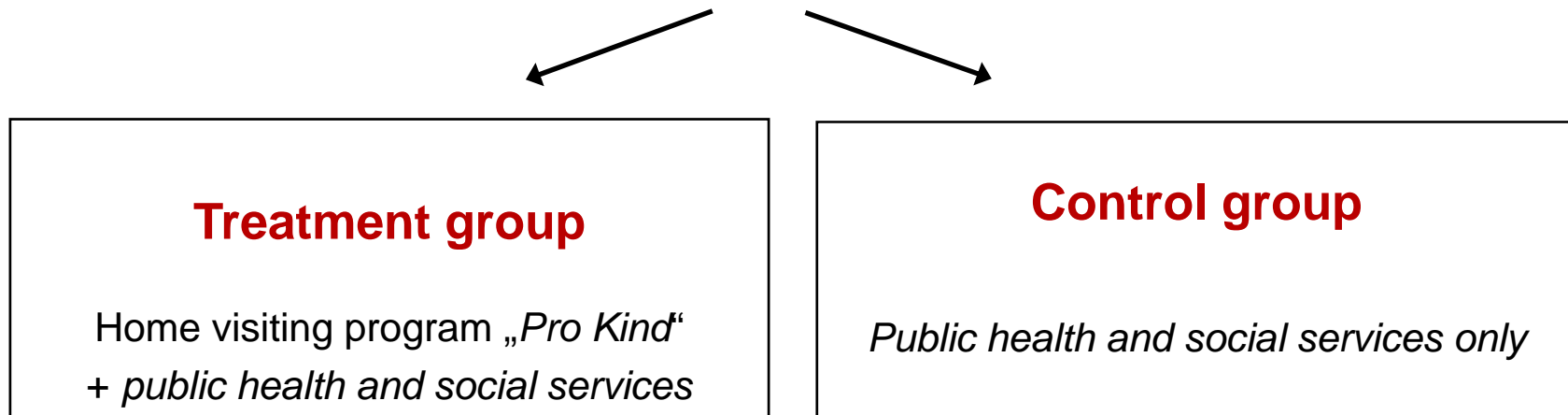
- Improvement of maternal health during pregnancy and birth of a healthy child.
 - Improvement of **parental competence** and amelioration of life-course development.
 - Improvement of child health and development of **cognitive** and non-cognitive skills.
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Research design and methods

Randomized Control Group Design

- Evaluation of program effectiveness and efficiency on
 - mothers/fathers
 - children

Randomization of participants



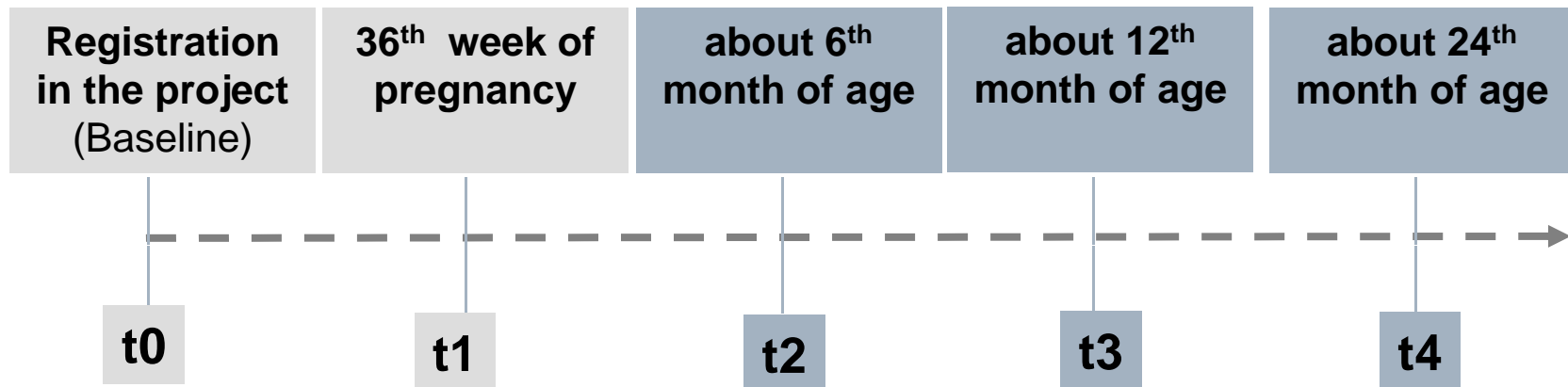
Evaluation: Measurement categories

- Demographics
- Maternal health status and habits during and after pregnancy
- Stress and Coping
- Parental competency
- Life-course development
- Formal and informal networks
- Domestic violence
- Health status
- Cognitive, motor, language and socio-emotional development

- Attachment and attachment behavior

Repeated assessment times at the project run as well as scheduled follow-up-assessments

Assessment times



Cost-Benefit-Analysis

- **Aim of research**

Investigation of societal and personal program benefits, both nonmonetary and monetary.

- **Measurement Categories:**

- Human capital investments
 - Public revenues
 - Welfare dependency
 - Labor market participation
 - Health costs
 - Institutional childcare utilization
 - Child-welfare interventions
 - ...
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Cost-Benefit-Analysis

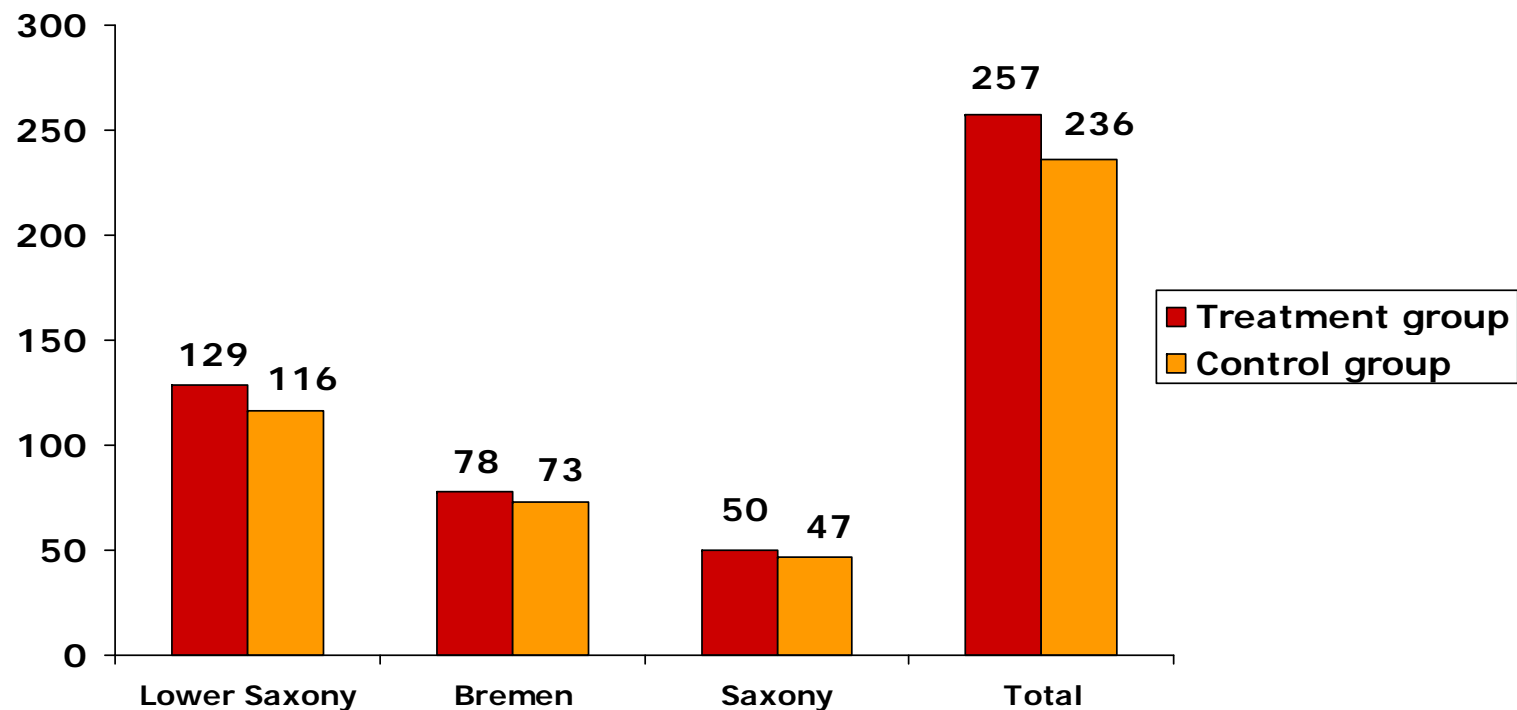
Methods

- Usage of administrative data
 - Health insurance data
 - Association of Statutory Health Insurance Physicians
 - Federal Justice Register
 - Public Youth Service
 - Telephone Interviews
 - Questionnaires to assess the measurement categories
 - Questionnaire in the first year of child's life from the *GSOEP* (*Mother-Child: Age 0-1*)
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State of the Pilot Project & Sample description

State of participant acquisition

(December 2008)



Start of the project: 11/2006

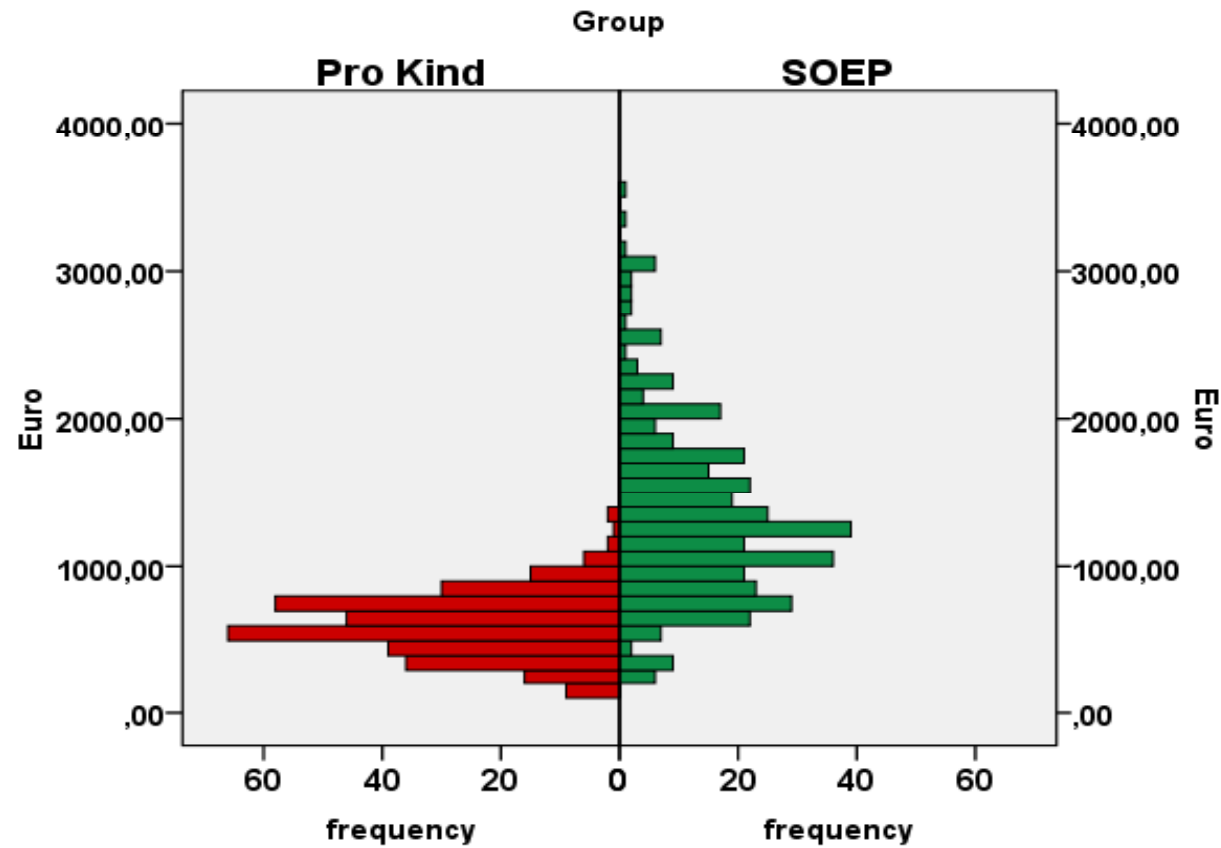
04/2007

07/2007

Source: *t0-data base n = 493 women*

Financial situation: Per-capita income

Compared to GSOEP primiparous women

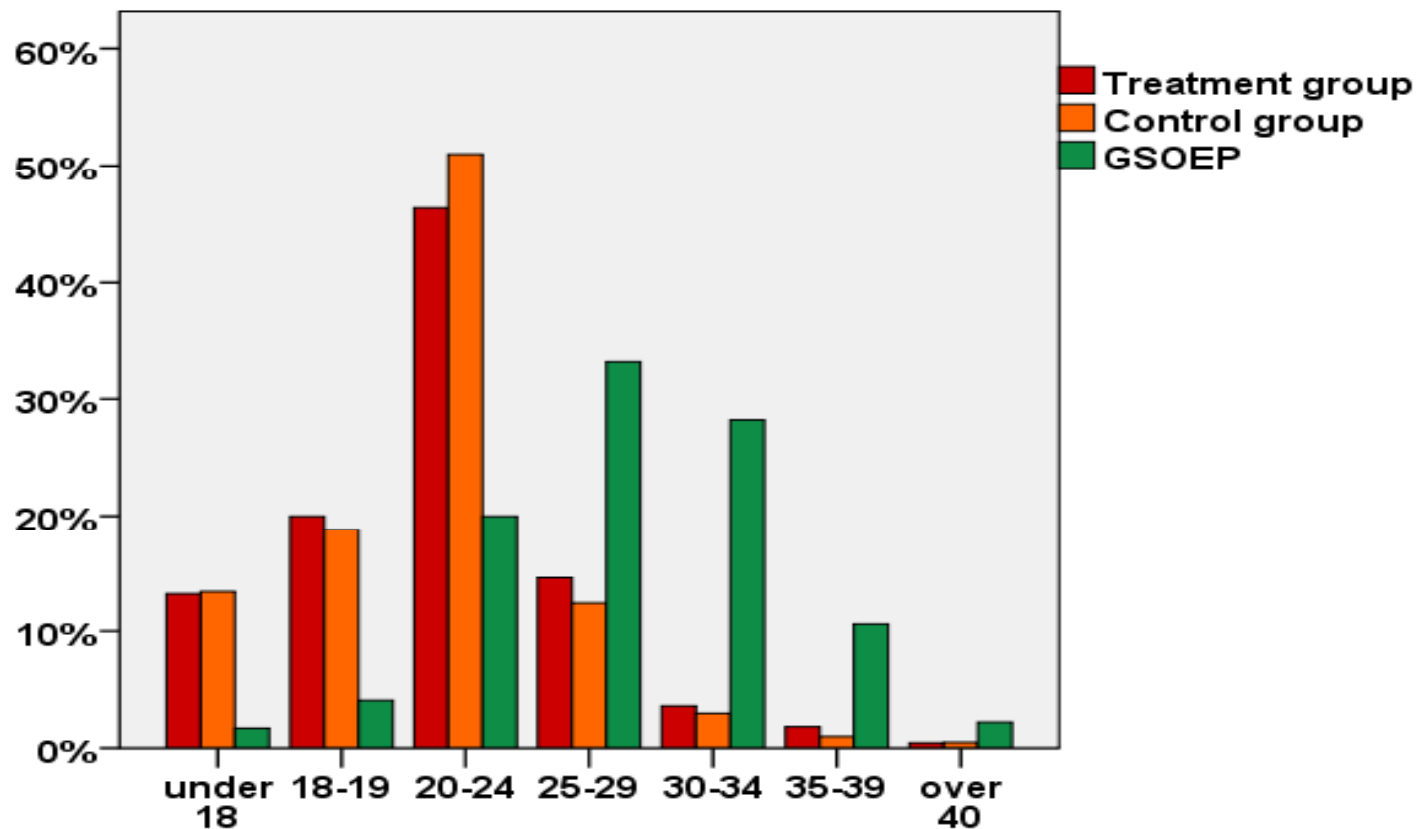


GSOEP n: 389
Ø: 1314€

Pro Kind n: 326
Ø: 597€

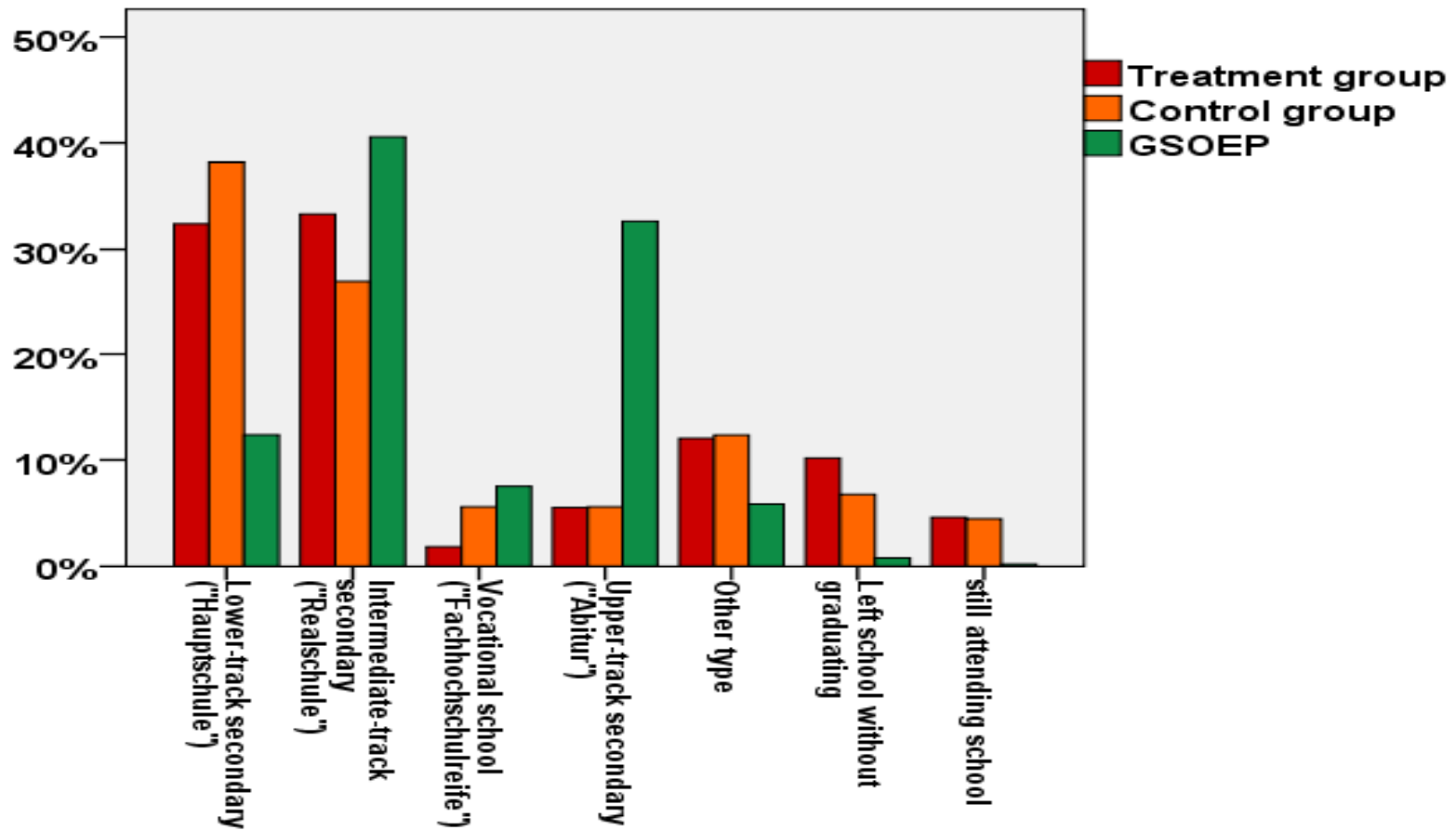
Personal risk factor: Teenage pregnancy

Compared to GSOEP primiparous women

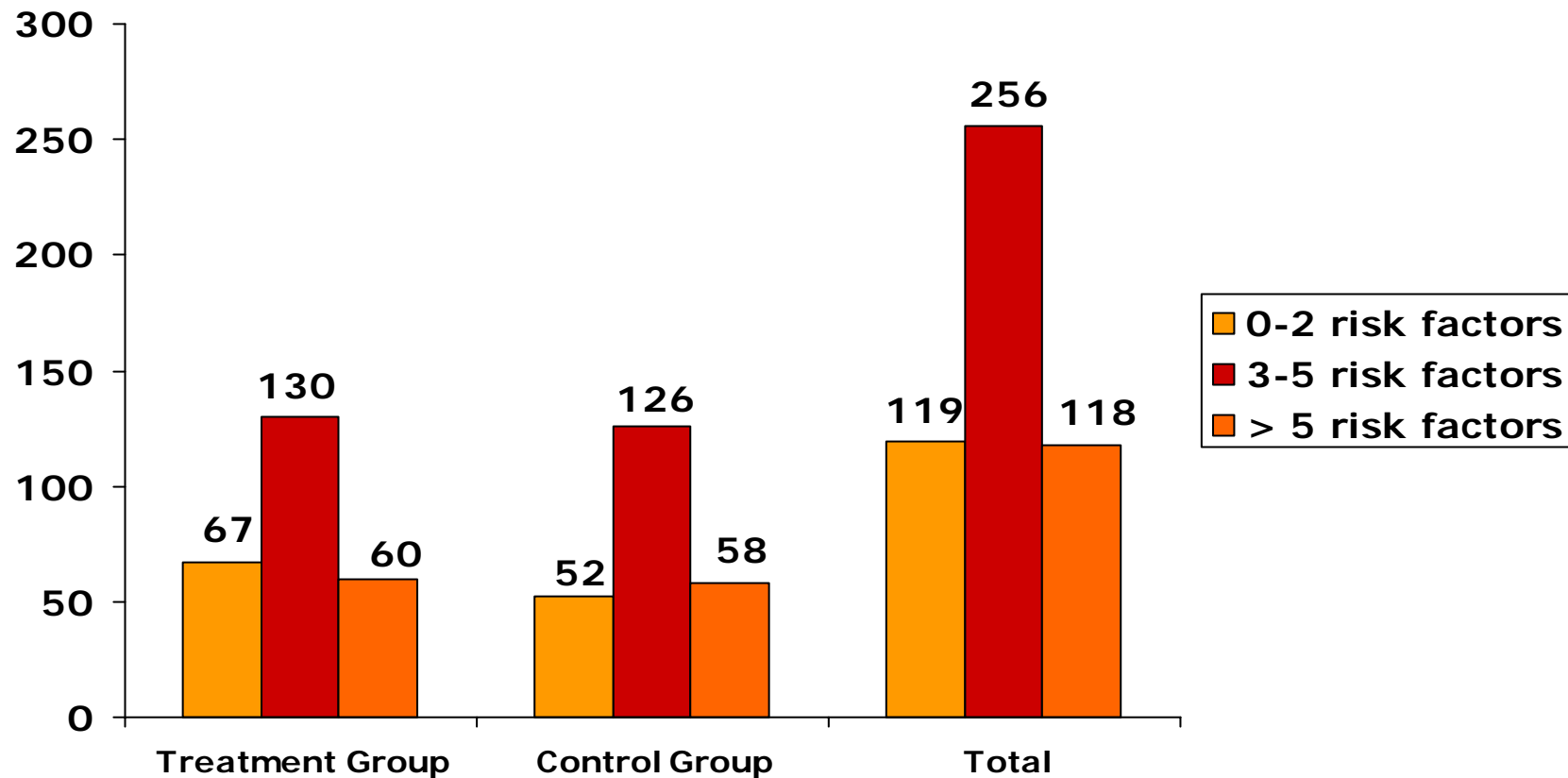


Personal risk factor: School graduation

Compared to GSOEP primiparous women



Participants risk status (t0-Baseline)



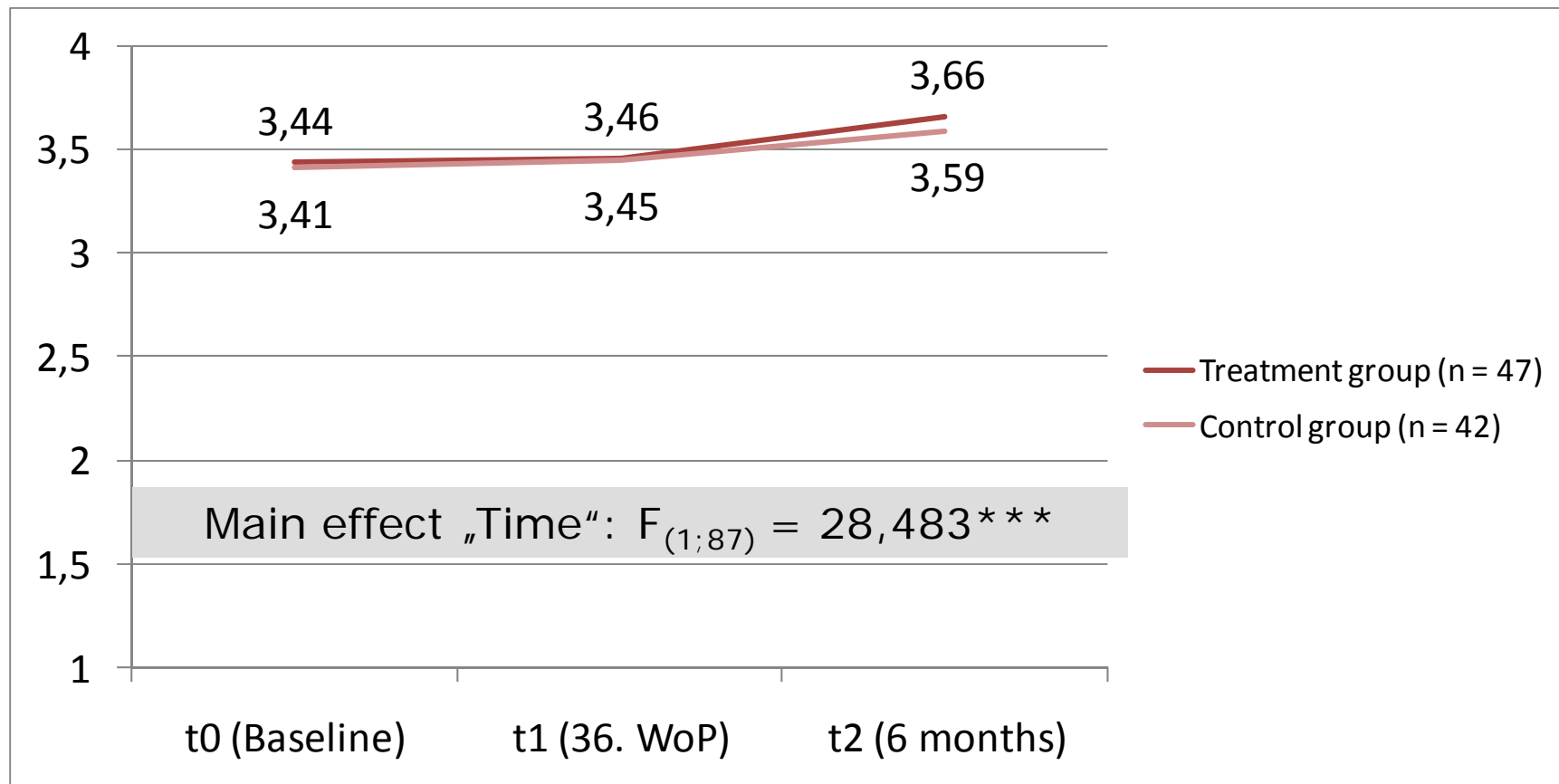
Source: t0-data base n = 493 women

Preliminary Results

- Pro Kind participants
 - Infants of Pro Kind participants
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Parental Self-efficacy

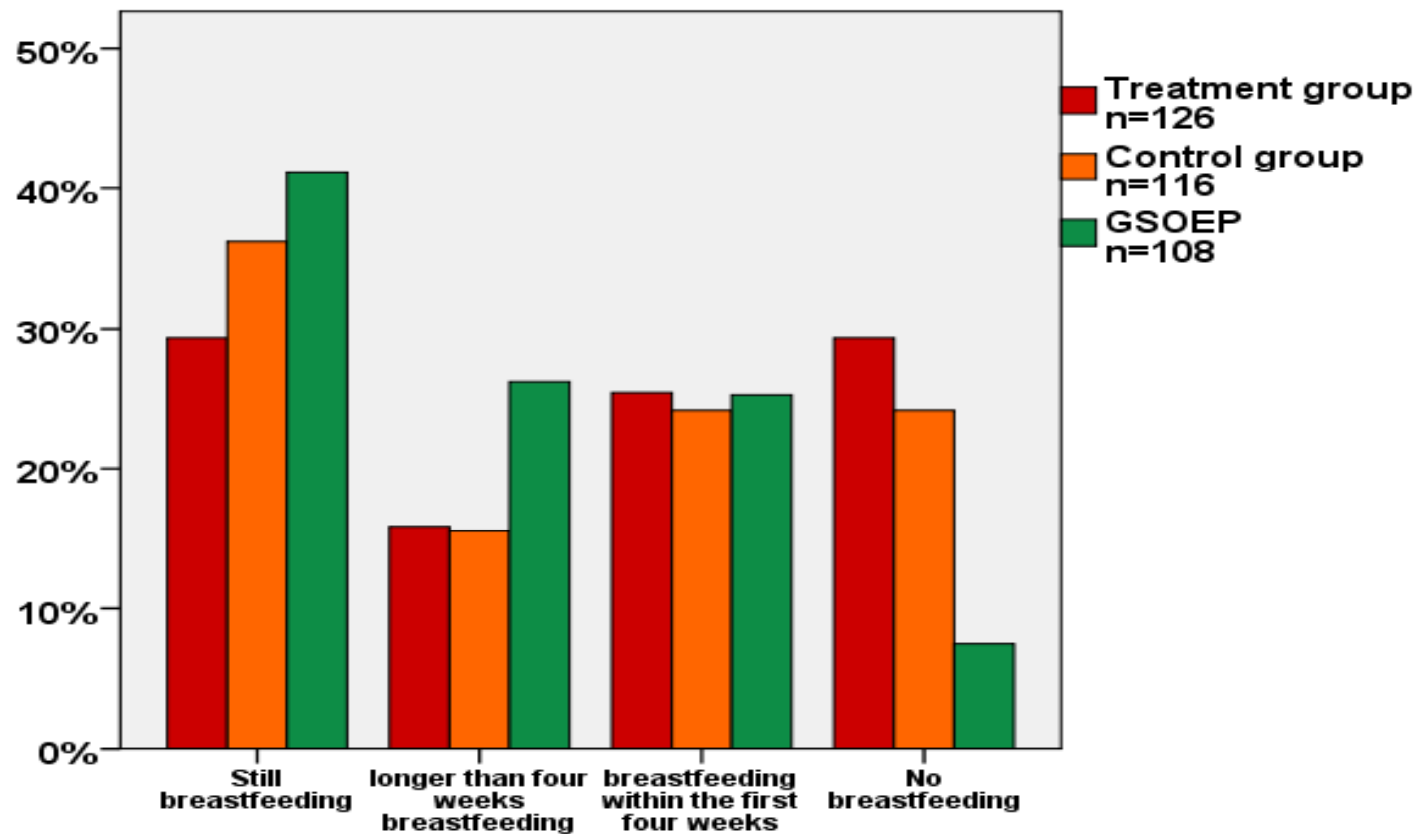
(Pre-/Postnatal Parental Expectations Survey, Reece 1996)



Source: t0-t1-t2-data base n = 89 women

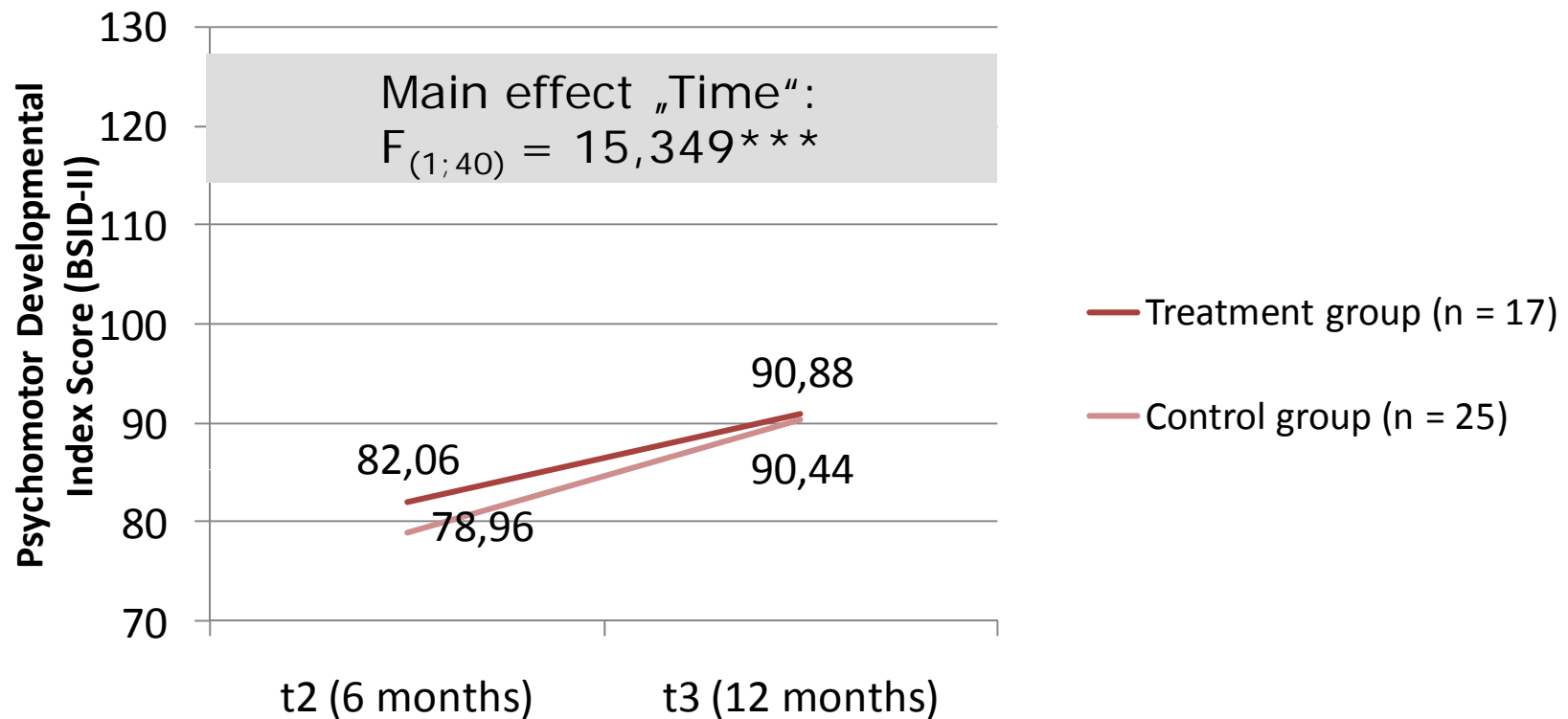
Parental care behavior: breastfeeding

Compared to GSOEP first-time mothers



Bayley Scales of Infant Development-II

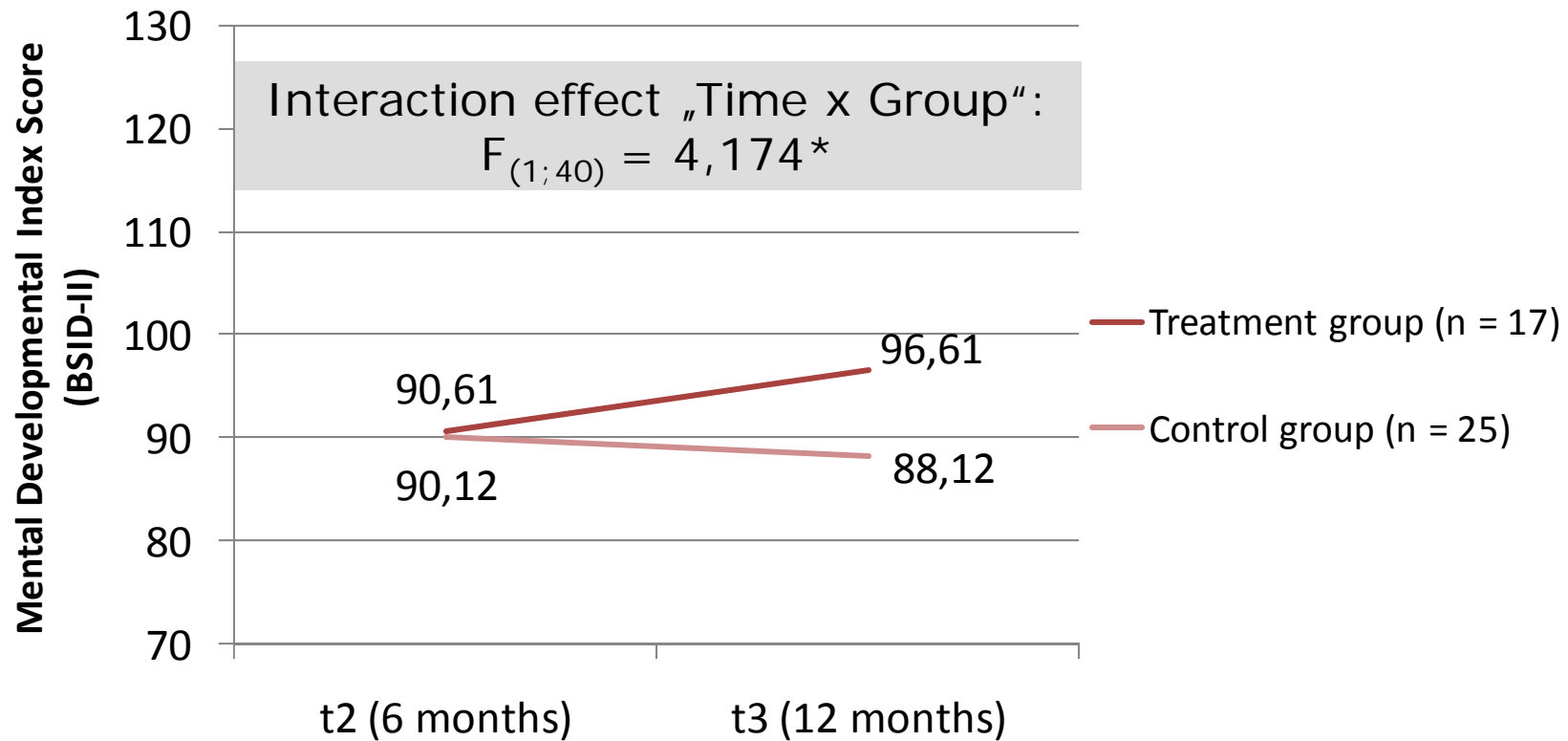
Psychomotor Developmental Index (Reuner et al., 2007)



Source: t2-t3-data base n = 42 infants

Bayley Scales of Infant Development-II

Mental Developmental Index



Source: t2-t3-data base n = 42 infants

Summary and future prospects

- **Preliminary results:** Program effects on participants
 - Significant gains in parental self-efficacy in **both** groups.
 - Comparable results for maternal health habits during pregnancy and educational attitudes.
 - **Preliminary results:** Program effects on infants
 - Infants of **both** groups show a catch-up growth in their psychomotor development.
 - **But:** Significant more positive mental development in treatment group infants than in control group infants.
 - **Examination**, whether hitherto missing program effects on participants can be ascribed to...
 - ... the fact of reaching not only high-risk women?
 - ... length and intensity of home visitation?
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Thank you
for your attention!!
