



Evaluation design

- The PALS pilot study based on a quasi-experimental pre-post design ³
 - T1- at the beginning of year 1 of the three-year implementation period
 - T2 at the end of year 2 (20 months after baseline)
- Participants:
- Intervention group: 4 elementary schools with high level of teacherreported problem behavior (P-schools)
- Comparison group: 4 neighboring schools (C-schools) with self-initiated interventions to promote positive student behavior or positive learning conditions.
- Informants: 704 students in 3.–7. grade (8-12 years) and 78 teachers working at least half time made up 92% of the sample.
- <u>Baseline comparisons</u>: No sign. group differences found, except (as expected) in prevalence of behavior problems (more in P-schools).

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The PALS Total Implementation Quality Scale 3.5

- TIQS a program dependent measure rated by school personnel in the experiment group (PALS schools).
- · Measures integrity of interventions implemented at;
 - · school-wide level
 - · classroom (student group) level
 - · individual level (i.e. high-risk students)
- Item example: "In our school we have a few and clearly formulated school-wide rules (3 - 5 rules)".

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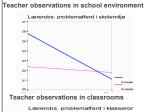
The Teacher Collective Efficacy Scale^{3,6}

- Used as program independent indicator of implementation quality*
- Developed by Goodard and collegues (2000) to assess the extent to which a faculty believes in its conjoint capability to positively influence student learning.
- 12-items revised version (Goddard 2002) of the original 21-items scale used
- Item example: "Teachers in this school are able to get through to difficult students".

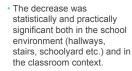
i.e. how successful each school was in its effort to establish consistent school-wide academic and behavior policy and practice.

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Problem Behavior in School Environment & Classroom³

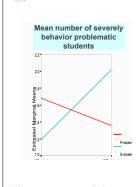


 Significant decrease in teacher observed problem behavior over time in all schools. The reduction was, however, greater in the Pschools than in the Cschools.



 Intervention effects in the modest range (ES=.59 &.49)

Severely behavior problematic students³



- Significant and large difference between P- and C-schools at post-test in number of severely behavioral problematic students in class.
- Reduction most evident in number of students with externalizing problems. In fact, the number increased over time in the C-schools (ES = .71).
- Also number of students with internalizing problems increased in the C-schools, while the number slightly decreased in the P-schools.

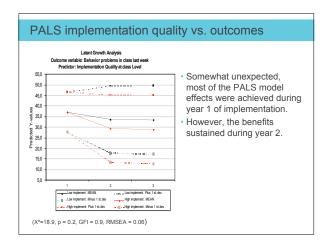
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PALS implementation quality vs. outcomes³

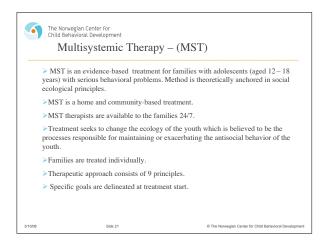
- A significant and inverse relationship between teacher-rated PALS total implementation quality (TIQS) and teacher-reported problem behavior in classrooms and in the school environment at post-test
- r = -.30 (classroom) and -.51 (school), p< .01
- Regression analyses showed that high PALS program implementation quality was significantly associated with the largest reduction in problem behavior over time.
- Better outcomes in the P-schools than in the C-schools were also systematically related to higher collective efficacy.

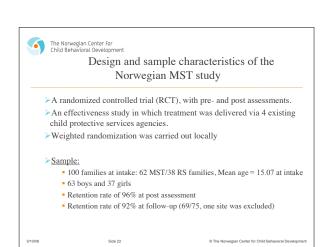
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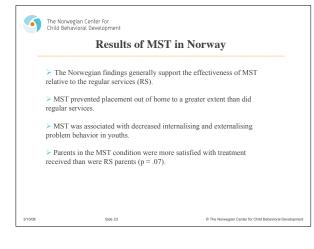
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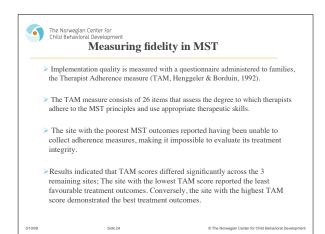


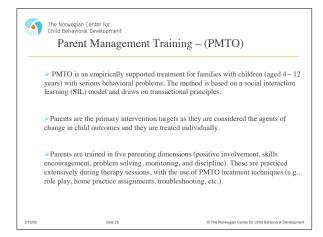


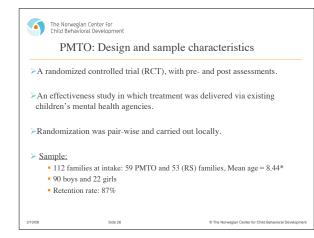


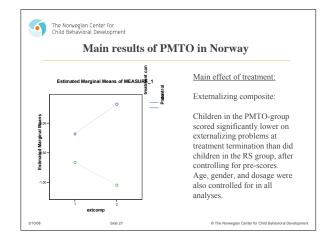


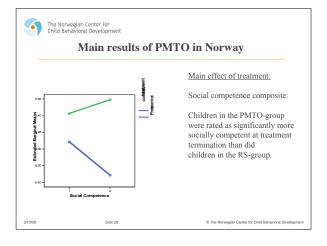


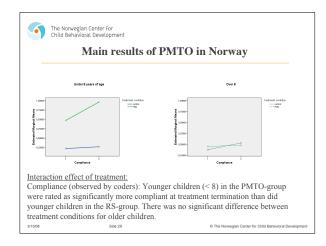


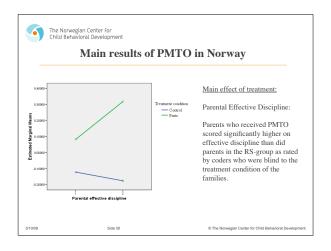


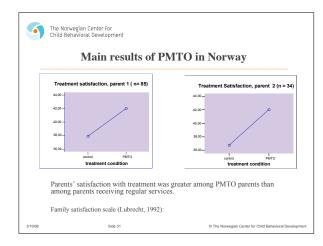


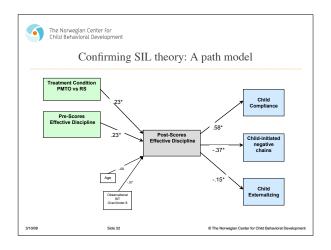


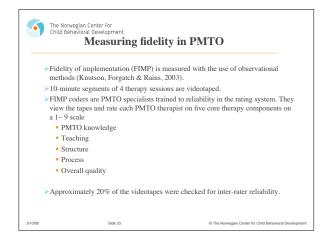


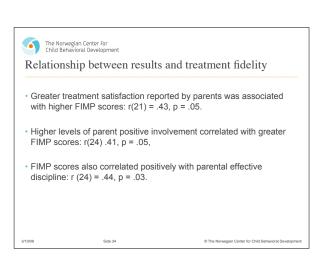


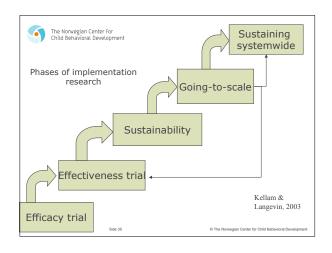


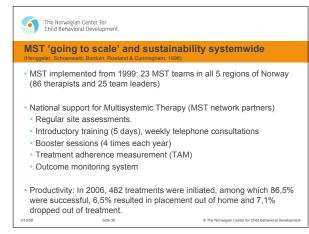














PMT-O 'going to scale' and sustainability systemwide

- Parent Management Training (PMTO) implemented from 1999:
- · 208 qualified therapist trained in 3 generations,
- Introductory training (18 months 5 therapies) certification,
- · Supervision groups on a regular basis,
- Monthly PMTO network meetings.
- · Re-certification of therapists every 3rd year,
- · Treatment adherence measured by FIMP coding of video recordings of therapies (Knutson, Forgatch & Rains, 2003)
- · Clinical outcomes and implementation studies,
- · Productivity: approximately 1500 cases treated in 2006.



Step-wise implementation of PALS

- PALS first tested and evaluated with promising outcomes in 4 primary schools during 2002-2005 ^{3,4}.
- 2006: 51 schools implementing PALS, 21 PALS consultants trained (whereof 4 regional & 2 national coordinators).
- \bullet Schools located in 3 of 5 national school regions, and with access to a local PMTO-therapist.
- · Consultants recruited from the local school psychological services.
- · 2007: 91 schools implementing PALS, 30 PALS consultants trained.
- 2008: Recruitment of new schools & consultants ongoing in all 5 regions.



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Facilitators contributing to implementation quality (1)

- · A genuine interest and commitment at the political and administrative level for national implementation of evidence based methods.
- · Establishing a national center for training, implementation and research on evidence-based programs,
- Research on outcomes, implementation and the intervention processes.
- · Therapist and practitioner recruitment strategy through the service



Facilitators contributing to implementation quality (2)

- · Comprehensive training programs, and systems for monitoring of program sustainability and treatment adherence,
- Permanent professional networks for booster training, supervision and consultation,
- The ability of the program developers and stakeholders to motivate and inspire Norwegian practitioners,
- · Positive feedback from families and from the media.



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