

PLATFORM 3: National Platform for Therapy and Prevention Research – 5-year work plan

The implementation of the National Platform for Therapy and Prevention Research will be achieved by 4 work packages that will further the development, evaluation and dissemination of evidence-based prevention and therapy for highly frequent and impairing developmental disorders by systematically translating transdiagnostic mechanistic insight into risk and resilience signatures from platforms 1 and 2. These efforts will inform complex large-scale multi-center intervention studies within the DZKJ network and beyond that will overcome structural gaps between sectors, settings and disciplines in the German health care system and drive the necessary future shift from intervention to translational prevention.

The work packages are: I) Consensus and Governance, II) establishment of Mechanism Transfer process III) establishment of Optimization and Confirmation pipeline, and IV) establishment of implementation pipeline. These work packages are required to scale the existing translational infrastructure of CHILDhealth to the DZKJ sites and further network partners.

In a structured consensus process the work package P1 Consensus and Governance will define i) the interdisciplinary research priorities on intervention and prevention with the network partners, ii) define and implement governance, patient participation and communication structures between sites, and determine iii) disseminated research foci and priority groups. Data sharing and IT-infrastructures will be streamlined with Platforms 1, 2 and 4. The work package P2 Mechanism Transfer provides a structural process for interdisciplinary knowledge transfer from platform 1 (cohorts) and 2 (preclinical models) into innovative clinical intervention approaches addressed in small monocentric proof-of-principle studies. This agenda requires the definition of use-cases combining distinct sets of methods and expertise. The implementation of P3 Optimization and Confirmation pipeline addresses i) the structured evaluation and narrowed selection of use-case studies from P2, ii) the definition of appropriate groups of network partners for implementation of mono- and multi-center studies addressing optimized therapy delivery, adaptation to specific groups or social settings, transfer to digital platforms, or identification effective ingredients of intervention programs. Work package P4 streamlines and organizes the prerequisites for successful implementation and dissemination by setting up the infrastructure and network for large multi-center trials combining transsectoral partner, multimodal approaches and complex stepped-care or multi-randomization trials.

GANTT Chart		Year 1	Year 2	Year 3	Year 4	Year 5
P1	National Research Priority Consensus Process & Governance					
MS1.1	Structured national consensus process on intervention research priorities	■	■	■		
MS1.2	Development of infrastructure for communication, evaluation and selection		■	■	■	
MS1.3	Establishment of governance infrastructure of national intervention agenda			■	■	■
P2	Establishment of a translational transfer process					
MS2.1	pipeline(s) for mechanism transfer into pilot interventions defined	■	■	■		
MS2.2	use cases defined based on target biomarkers/mechanisms from platform 1 and 2		■	■	■	
MS2.3	network evaluation and selection process for optimization pipeline established			■	■	■
P3	Optimization and Confirmation pipeline					
MS3.1	infrastructure network for RCT-studies defined and harmonized	■	■	■	■	
MS3.2	initiation of first optimization and confirmation studies		■	■	■	■
MS3.3	safety and effectiveness of first set of use-case studies established					■
P4	Implementation network					
MS4.1	study infrastructure for complex multi-center implementation studies established	■	■	■	■	
MS4.2	evaluation strategy on regional and national effects established (with platform 1)		■	■	■	
MS4.3	first selection of implementation studies initiated				■	■