

Research Collaboration with San Carlos de Maipo

Dr. Parra-Cardona is leading a research collaboration with the San Carlos de Maipo Foundation (FSCM, <https://www.fsancarlos.cl>), which is a private, not-for-profit organization, with a mission to promote the positive development of children through the cultural adaptation and implementation of evidence-based prevention interventions.

This collaboration dates back to 2018, when the FSCM extended an invitation to the GenerationPMTO research group (<https://generationpmto.org>) to culturally adapt the intervention for the Chilean context. Parra-Cardona's program of research has focused on culturally adapting GenerationPMTO for Latinx populations in the US and Latin America. GenerationPMTO is an evidence-based parenting intervention with 50 years of empirical research and implemented across several states in the United States (US) and countries across Europe.

The FSCM chose to fund the cultural adaptation of GenerationPMTO for the context of Chile based on the solid empirical evidence for the intervention according to meta-analytic research, as well as demonstrated efficacy of the intervention with low-income Hispanic immigrant families in the US and Mexican families in Mexico City.

Sequential Cultural Adaptation for the Chilean Context

Resembling the previous adaptations of GenerationPMTO for Hispanic populations in the US and Mexico, the culturally adapted version of GenerationPMTO for the Chilean context was developed according to rigorous cultural adaptation protocols. Specifically, the cultural adaptation process initiated in conjunction with the first wave of training of Chilean therapists in the GenerationPMTO intervention. In parallel, the foundation translated the original GenerationPMTO manuals for interventionists and caregivers. This process was multifaceted as translators used as a guide the existing Spanish versions of manuals of GenerationPMTO cultural adaptation studies with Hispanic immigrants in the US and Mexican nationals in México City.

In consultation with previous adapters of GenerationPMTO for Latinx populations in the US and Mexican nationals, the Chilean team implemented session-by-session cultural adaptations. Next, the foundation implemented a small pilot study with 24 families to refine initial adaptations. This study has also been published in a leading journal, with qualitative findings indicating high participation satisfaction GenerationPMTO-Chile.

Finally, the foundation implemented a quasi-experimental study to evaluate the impact of the intervention. A total of 281 caregivers ($n = 265$ families) participated in the study. The overall retention rate of the study was 80%. Positive outcomes were observed for all study outcomes. Specifically, resembling PT prevention studies, effect sizes for the majority of parenting outcomes were in the small to medium range ($\eta^2 = .02$ to $\eta^2 = .08$), with family adaptability and problem-solving presenting medium to large effect sizes ($\eta^2 = .12$ to $\eta^2 = .15$). The intervention had positive impacts on children's mental health outcomes, with medium to large effect sizes identified for both internalizing and externalizing behaviors ($\eta^2 = .07$ to $\eta^2 = .28$).

Currently, Parra-Cardona is leading the write up of an R01 grant proposal focused on scaling up the intervention across low-income communities in Chile.

Below are the references for the sequential adaptation studies that have been completed in this collaboration:

Parra-Cardona, J. R., Banderas Montalva, J. M., Muñoz Retamal, V., Cantizano Rioseco, L.,

Perry Mitchell, R., Amador Buenabad, N., & Domenech-Rodriguez, M. (2022). Culturally Adapting an Evidence-Based Parent Training Intervention for the Chilean Context: Balancing Fidelity, Context, and Cultural Relevance. *Family Process*, 62, 182-200. <https://doi.org/10.1111/famp.12837>

Parra-Cardona, J. R., Muñoz Retamal, V., Peña Fajuri, P., Cantizano Rioseco, L., Perry Mitchell R., Correa Molina, M. L., & Amador Buenabad, N. (2022). A Culturally Adapted Parenting Intervention for the Chilean Context: Qualitative Indicators of Participant Satisfaction, Contextual and Cultural Relevance. *Journal of Marital and Family Therapy*, 49, 293–316. doi: 10.1111/jmft.12622

Parra-Cardona, J. R., Fuentes-Balderrama, J., Cantizano Rioseco, L., Monreal Arcil, F. J., Correa Molina, M. L., Martic Guazzini, D., Ford Narváez, A., Neira González, A., Sánchez Ahumada, M., Chacón Sandoval, A., Marín Montecinos, J., & Gaete Olivares, J. (in press). Building bridges through cultural adaptation: Examining the initial impact of a culturally adapted parent training intervention for the Chilean context. *Family Process*. doi: 10.1111/famp.12855