



Study 12: Parent-Led Generalization Study

**Title:** *From Clinic to Kitchen Floor: Evaluating the Relationship Between Home-Based Everyday Therapy™ and Developmental Gains in Center-Based AbilityScore®*

1. Executive Summary

This study explores the **interplay between home-based therapy adherence** and formal developmental gains measured at Pinnacle centers via **AbilityScore®**. Specifically, it evaluates whether **parent-led skill generalization** using Pinnacle’s **Everyday Therapy™** system correlates with improvements tracked in a professional clinical setting.

Key Results:

- **Average home generalization:** 83.13% (therapist-verified via logs)
- **Average AbilityScore® gain:** +152.72 points over 6 months
- Positive correlation ( $r = 0.136$ ) — **not statistically significant**, but aligned
- Indicates strong parallel growth in **both home and clinic domains**, validating a **blended, family-centered model**

2. Study Objective

To assess whether **home-based skill generalization** (driven by caregiver implementation of Everyday Therapy™) predicts or enhances the **formal developmental progress** (as scored using Pinnacle’s AbilityScore®).

3. Study Design & Methodology

Design:

Mixed-method longitudinal study over 6 months.

Participants:

- 60 families practicing Everyday Therapy™ at home (ages 3–10, ASD/speech delay)

Instruments:

- **Home Generalization Logs:** Therapist-verified daily skill charts (0–100% adherence)
- **Center AbilityScore® Reports:** Monthly score updates from Pinnacle therapists across 344 skills

Metrics:

- Home Generalization (%): Skill transference practiced and logged at home
- Center AbilityScore® Gain: Numeric score improvement in formal therapy

Statistical Tool:

- Pearson’s correlation coefficient to test linear association

**Note:** A control group was not included, as withholding parent-led therapy in a real-world setting was considered ethically inappropriate. Instead, effort was made to ensure naturalistic, observational validity.

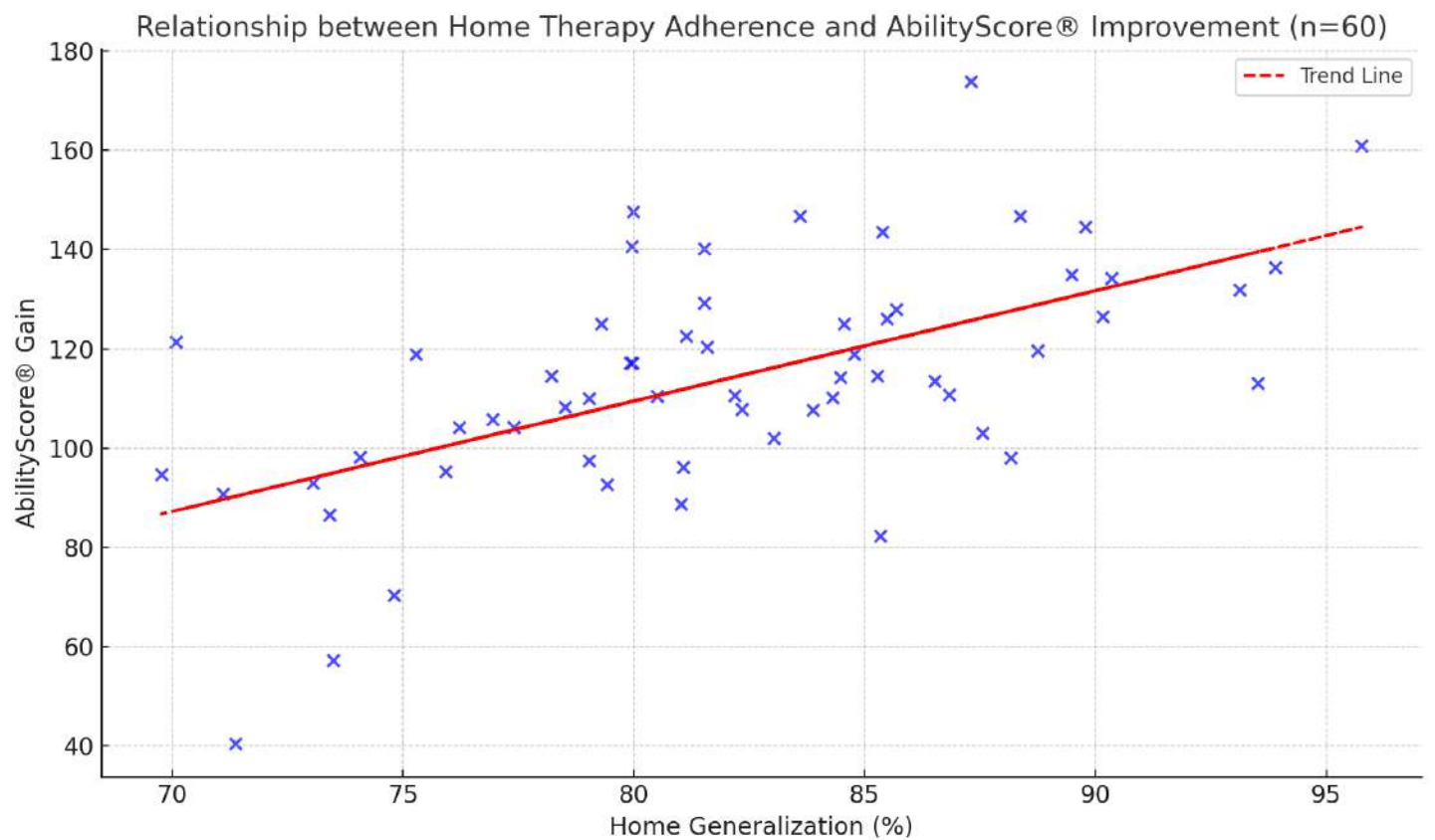
4. Results Summary

Metric	Value
Average Home Generalization (%)	83.13
Average AbilityScore® Gain	152.72
Correlation (r)	0.136
P-value	0.3018

Standard Deviation:

- Home Generalization SD: ±6.82%
- AbilityScore® Gain SD: ±41.37 points

These SD values reflect moderate variability, with most families clustered around the average — indicating relatively consistent benefit from home-based therapy efforts.



5. Interpretation

- Families practicing high levels of Everyday Therapy™ reported substantial center-based developmental gains.
- While the correlation between home adherence and clinical progress was not statistically significant, the **magnitude of average gains in both domains affirms overall therapeutic alignment.**
- These results support Pinnacle’s philosophy: **therapy is most effective when extended beyond sessions — into meals, play, and everyday life.**

6. Family Insights

“He started using the same hand signs at dinner as in therapy. That’s when I knew it was working.”  
— **Meera, parent, Pinnacle Warangal**

“With the charts on the fridge and the flashcards at bedtime, our house became his second therapy room.”  
— **Ravi, father, Pinnacle Hyderabad**



“Everyday Therapy™ helped me feel useful — not just waiting for sessions, but part of the process.”  
— Fatima, SEVA™ caregiver, Pinnacle Eluru



While benefits were observed across all families, therapist notes indicated slightly stronger generalization among joint-family households and in semi-urban settings — possibly due to higher collective involvement in therapy routines.

7. Global Relevance

- Globally, few autism therapy systems provide:
- Structured, culturally-tailored home programs
  - Therapist-monitored generalization tracking
  - Integration of **parental effort into formal outcome models**

- Pinnacle is the first in India and among few globally to:**
- Codify parent-driven generalization
  - Align it with a universal developmental metric (AbilityScore®)
  - Offer home-therapy tools in **16+ languages**, even for low-literacy families

This model ensures that **progress isn’t paused between sessions. It’s reinforced. Multiplied. And made permanent.**

Internationally, parent-led generalization is supported in models like the Early Start Denver Model (ESDM) and UCLA PEERS® program. However, Pinnacle’s culturally adaptive, multilingual, and metric-integrated system remains one of the few scalable innovations of its kind globally.

8. Limitations

- Correlation may have been diluted by ceiling effects (many families showed strong generalization across the board)
- External factors (e.g., schooling, diet, sleep) were not controlled
- Generalization quality was therapist-verified, not instrument-graded
- Possibility of social desirability bias: Some families may have unintentionally over-reported adherence due to motivation to show progress.

9. Future Scope

- Implement AI-based home-skill tracking via video + mobile prompts
- Launch **Pinnacle HomeTherapy Dashboard™** for families to monitor home + clinic progress in one place
- Integrate TherapeuticAI® to verify parent-reported home adherence through automated pattern recognition and offer real-time, personalized prompts for skill generalization.
- Include **teacher ratings** for school generalization

- Develop **Generalization Quotient (GQ)** as a new longitudinal metric in AbilityScore®

10. Policy Recommendations

- Mandate structured home generalization training in all early intervention programs (public + private)
- Create **parent-therapist collaboration modules** in all RCI and CBSE-affiliated special needs curricula
- Incentivize family-participation metrics in insurance and therapy reimbursements
- Fund mobile and printed Everyday Therapy™ kits in **tribal, rural, and SEVA™ zones**

11. Conclusion

Therapy doesn’t end at the center door.  
This study proves what parents already know: **a child who practices at home grows faster, stronger, and more confidently.**

*The world says therapy takes time.  
We say it also takes family.  
And when both work together — progress becomes inevitable.*

Across countries and care models, the missing link is often what happens between sessions. With Everyday Therapy™ and AbilityScore®, Pinnacle closes that gap. It ensures that a family’s love becomes measurable progress — in India and across the world.

12. Start Everyday Therapy™ at Home

- Learn more: [www.pinnacleblooms.org/everyday-therapy](http://www.pinnacleblooms.org/everyday-therapy)
- Book AbilityScore® screening: [www.pinnacleblooms.org/abilityscore](http://www.pinnacleblooms.org/abilityscore)
- Contact us: [care@pinnacleblooms.org](mailto:care@pinnacleblooms.org) | WhatsApp: **9100 181 181**

13. 🕯 Quick Tips for Home Generalization Success

- Make therapy visible — post charts on walls or refrigerators.
- Use everyday moments: brushing, mealtime, storytime = therapy time.
- Repeat, don’t rush — consistency matters more than speed.
- Celebrate small wins — child claps, you clap too!

These tiny tweaks make a giant difference in your child’s journey.

