

The impact of play-informed
caregiver-implemented home-based
intervention on the

academic learning outcomes

for HIV positive children (aged 5 years to 8 years)
on Antiretroviral Therapy (ART) living in low income
conditions: A Randomized Control Trial



Caraleigh Otto

Pam Gretschel and

Elelwani Ramugondo

WFOT Congress 25 May 2018



National
Research
Foundation



Rationale

HIV



Negative Impact



- Language
- Fine motor co-ordination
- Performance
- Practical Reasoning
- Visual Perception
- Visual motor integration
- Motor co-ordination

Academic Learning

Research Objectives



GMDS
Beery VMI



Research Assessment Tools

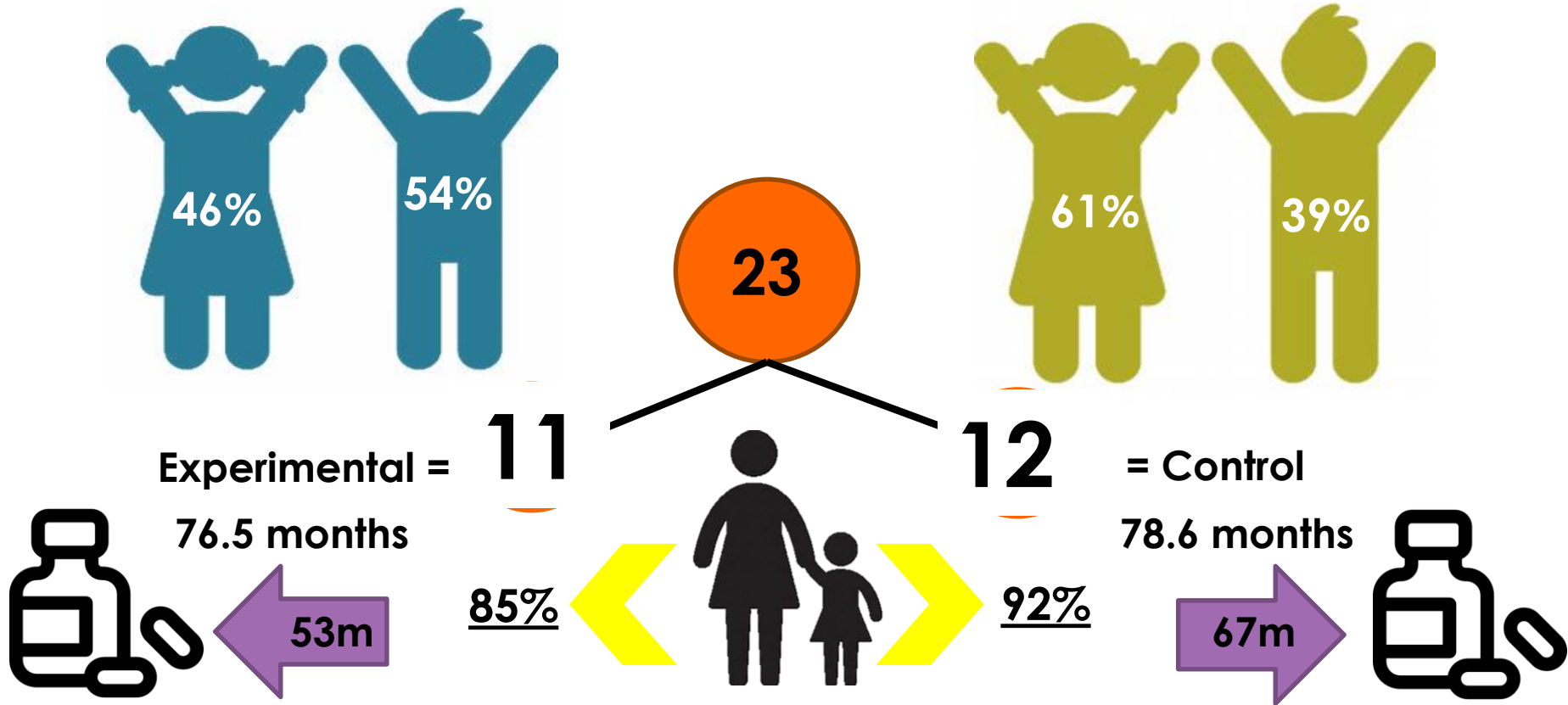


GMDS-ER (4 sub-scales)



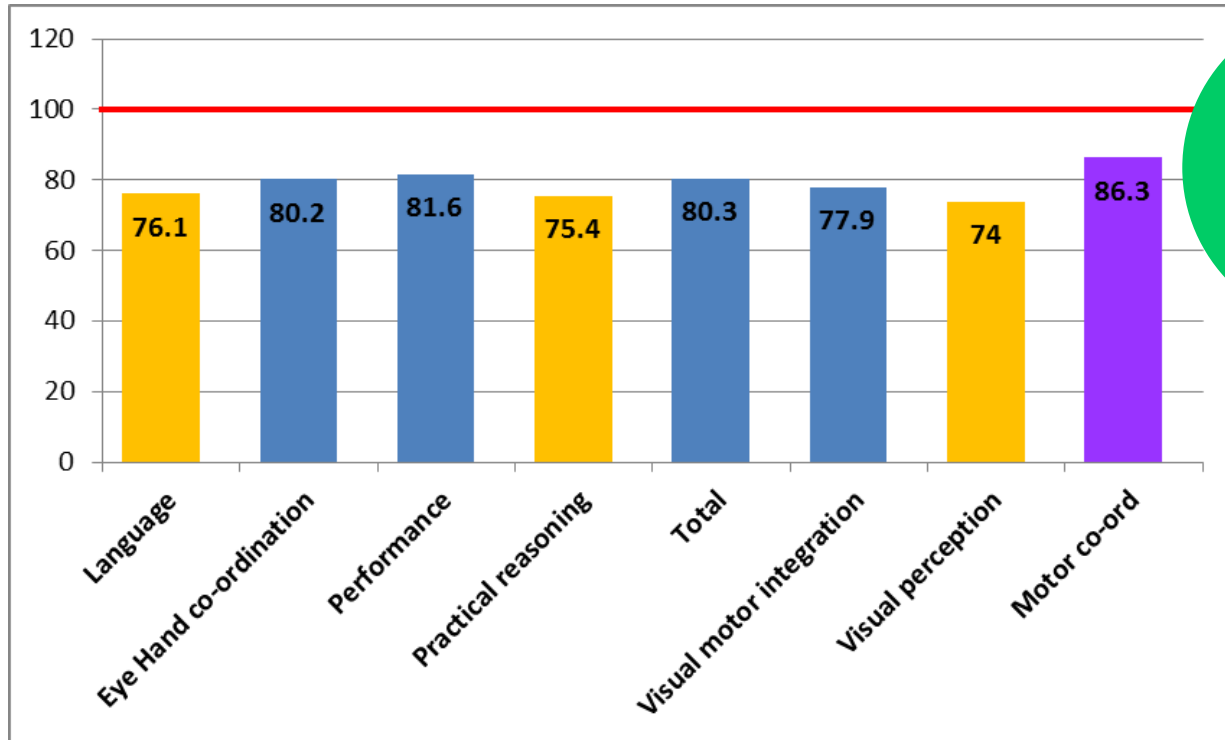
Beery VMI (3 sub-tests)

Sample



Results

Baseline mean quotient scores for Total sample

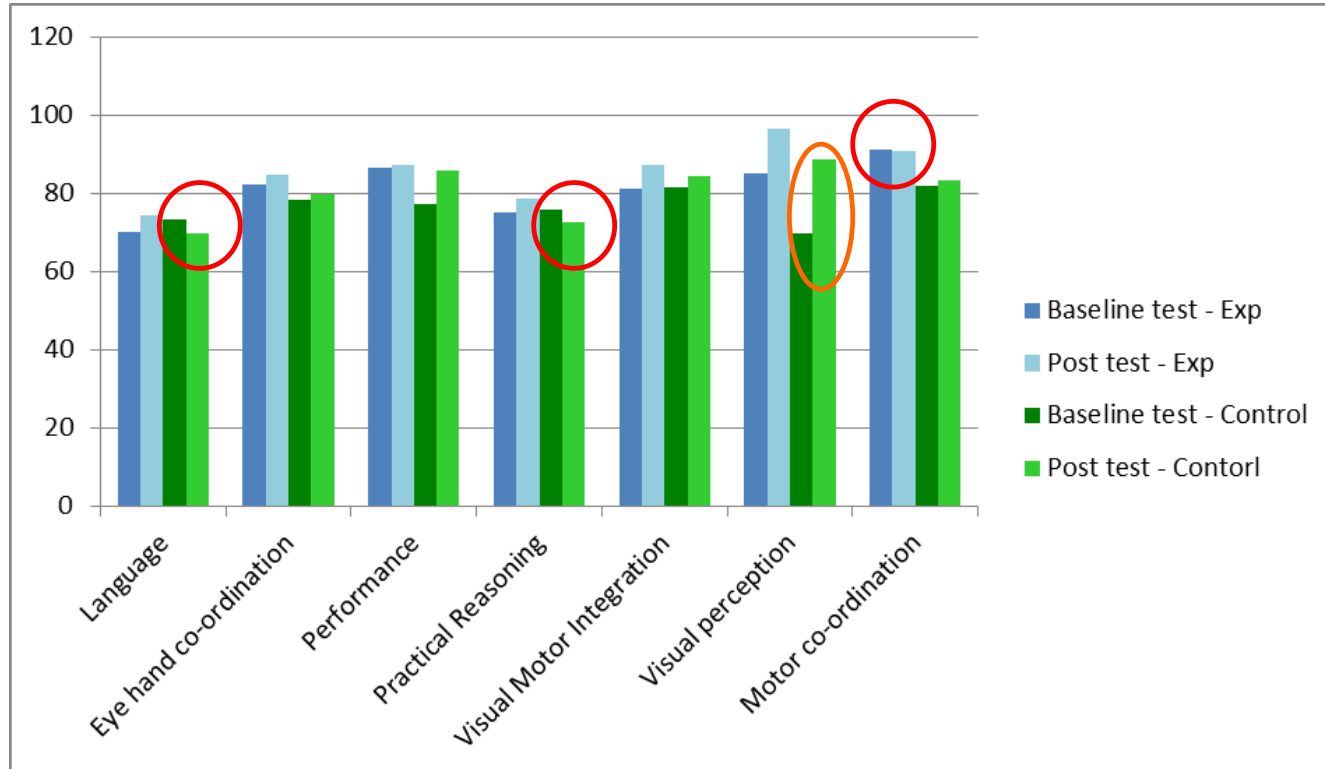


68.2 %

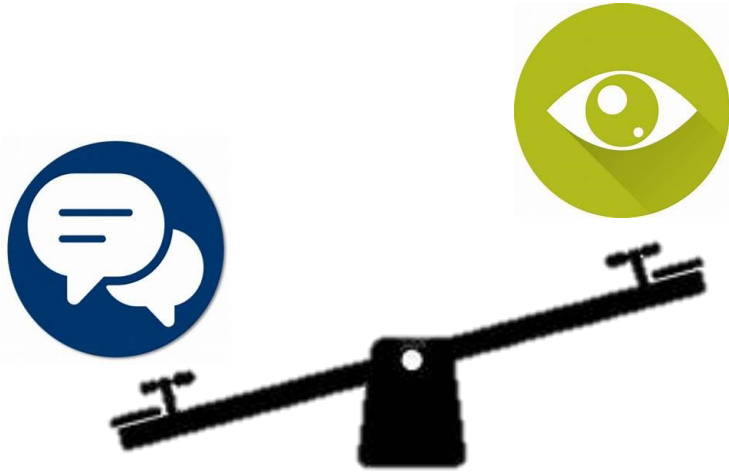
Developmentally
delayed

Results

Post mean quotients for Experimental and Control



Conclusion & Application



**Occupational
Therapy practice**

**Intervention is
necessary**