



# TALI HEALTH PRESENTATION

March 2016



**A V E X A**



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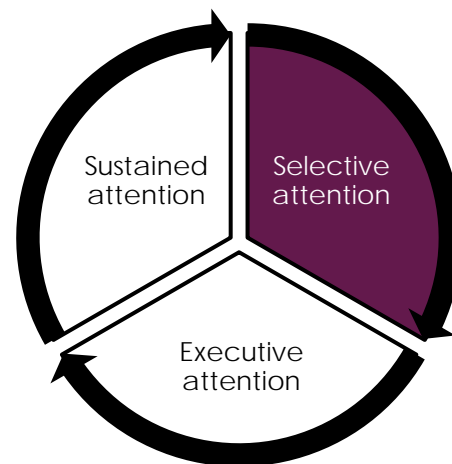
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# EXECUTIVE SUMMARY

*TALI is a scientifically driven program designed to improve and profile childhood attention difficulties.*





# Why is attention important?

- ▶ Attention involves the ability to concentrate and stay focused on a task, to switch attention between tasks and to inhibit impulsive responding.
- ▶ It is critical in providing the foundations for learning, shaping behaviour and supporting cognitive development.
- ▶ Disruption to these essential attention processes can lead to increased levels of distractibility, impulsivity, forgetfulness and poor focus.
- ▶ Evidence indicates that cognitive processes such as attention can be improved with targeted and intensive training.



# The TALI Program

- ▶ The *Training Attention and Learning Initiative* (TALI) is a scientifically driven program designed to improve childhood inattention.
- ▶ The program consists of four touchscreen activities and lasts 20 minutes in duration.
- ▶ The program continuously adapts to the child's performance to challenge and sharpen their attention skills.
- ▶ Children complete the program 5 days a week over a 5 week period.
- ▶ TALI also provides access to deeper analytics about the individual's performance on each of the exercises, allowing clinicians, teachers and parents to identify areas of attentional strengths and weaknesses.







# Why is TALI special?

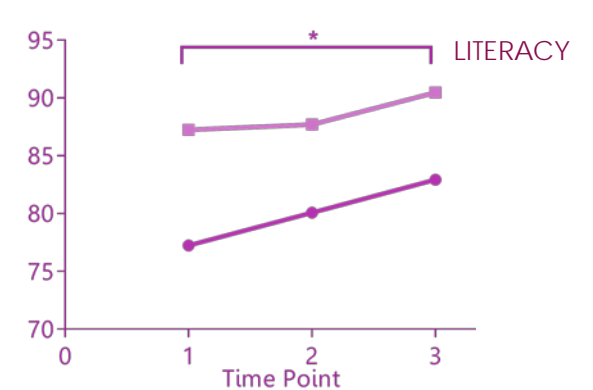
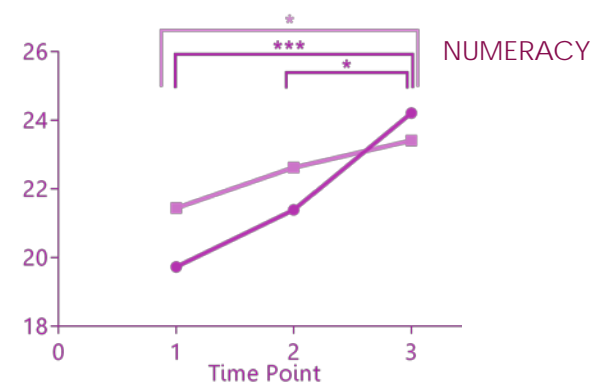
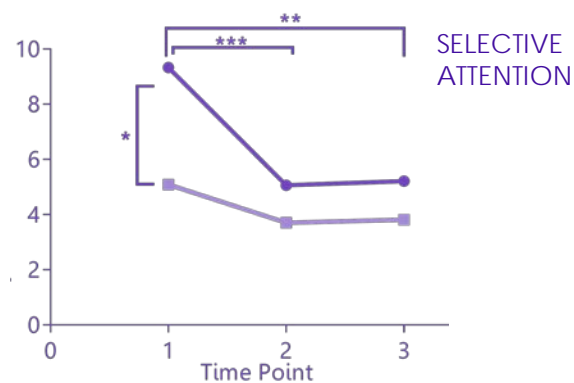
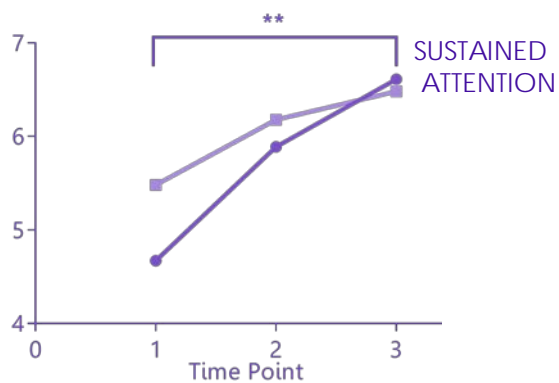
- ▶ The management of attention deficits at home and in the classroom has largely focused on behavioural strategies.
- ▶ TALI instead focuses on strengthening underlying attentional process to support children's development and education.
- ▶ TALI was developed by leading scientists within the field of attention research, in collaboration with DreamWorks contractor Torus Games and technology commercialisation firm Grey Innovation.
- ▶ Therefore, each training exercise is directed by a wealth of evidence published in peer-reviewed scientific journals and incorporates high quality graphics.





# Research Evidence

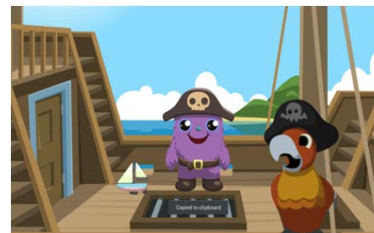
- An initial clinical trial showed that the TALI program was effective in promoting sustainable improvements in aspects of attention and academic skills in children who are 'at risk' of attention difficulties due to an underlying developmental disability, e.g. autism spectrum disorder and down syndrome.





# Future Directions

- ▶ Avexa Ltd is excited to begin the next step in TALI Health's mission to treat and profile childhood attention difficulties.
- ▶ An advanced version of the TALI program is currently being developed to facilitate use in wider populations, such as children with Attention Deficit Hyperactivity Disorder (ADHD) and typically developing preschool children.







## More information

If you would like more information on TALI then  
please do not hesitate to contact us at  
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