Jungle Adventure

Research overview

November, 2012

Company Bio, emeeyou®

- emeeyou is a new breed of education technology companies that is focussed on researching and developing high quality, evidence based educational learning tools.

- emeeyou was founded by Deanne Hvala Granger in 2012 and is based in Zurich, Switzerland.

- emeeyou's first evidence based mobile application, Jungle Adventure was launched on 6th November, 2012.

- emeeyou is excited by the possibilities of technology integrated education and considers an evidence based approach an important step for attaining knowledge, advancement and quality in this field.

Study objectives

- The objectives of the pilot study were to understand the potential beneficial learning outcomes that could be achieved through playing the Jungle Adventure mobile application

Study design

- The pilot study consisted of a sample of 56 children, aged 2 – 4 years

- The children were randomised into two groups, one using the Jungle adventure application (n=32), one using a control application (n=24)

- Children were screened in terms of key demographic and socio-economic factors

- The children were initially tested using subtests from a clinical standardised assessment tool, WPPSI III.

- Testing was supervised by a clinical psychologist

- After using the application each day for three weeks the children were re-tested to measure any impact on learning compared to the general population
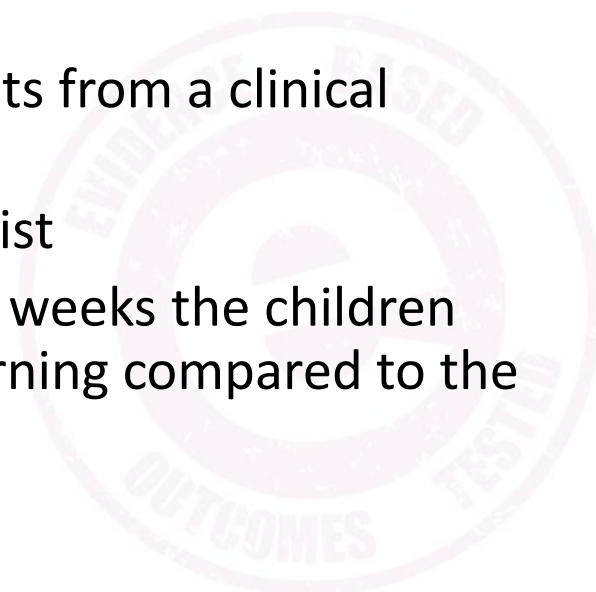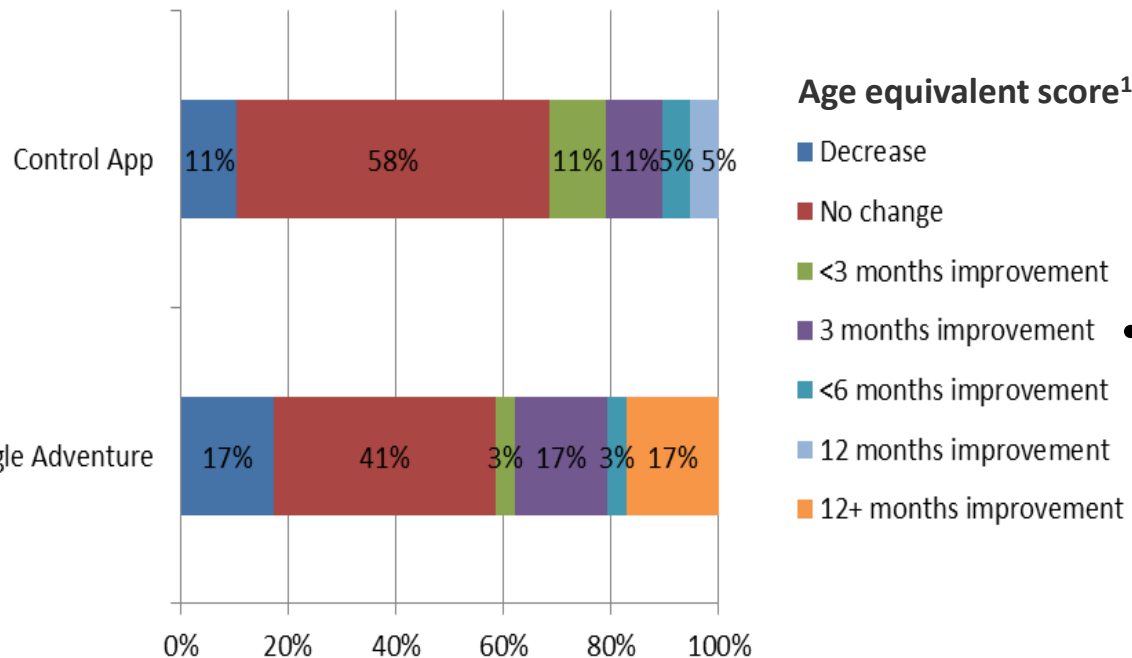
Tests used in the pilot study

- Receptive vocabulary (WPPSI III): The child looks at a group of pictures and points to the one the examiner names aloud.

- Object assembly (WPPSI III): The child is presented with pieces of a puzzle in a standard arrangement and fits the pieces together to form a meaningful whole.

- Picture naming (WPPSI III): The child names pictures that are displayed in a stimulus book

- Random numbers: The child names numbers selected at random

- Random colors: The child names colors selected at random
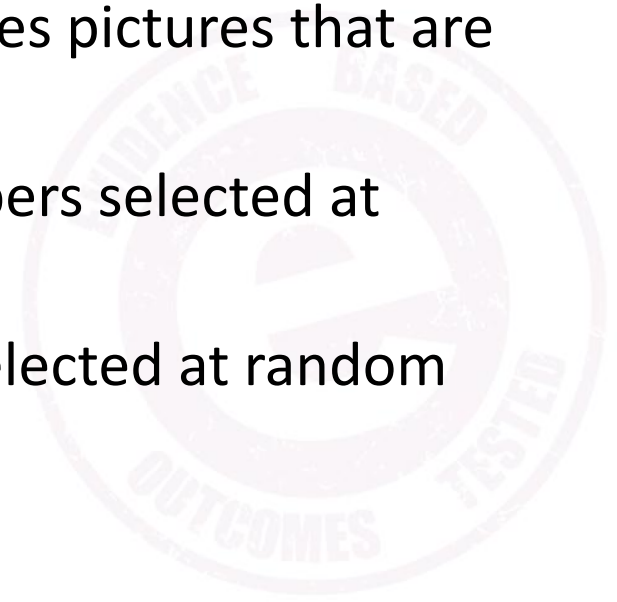
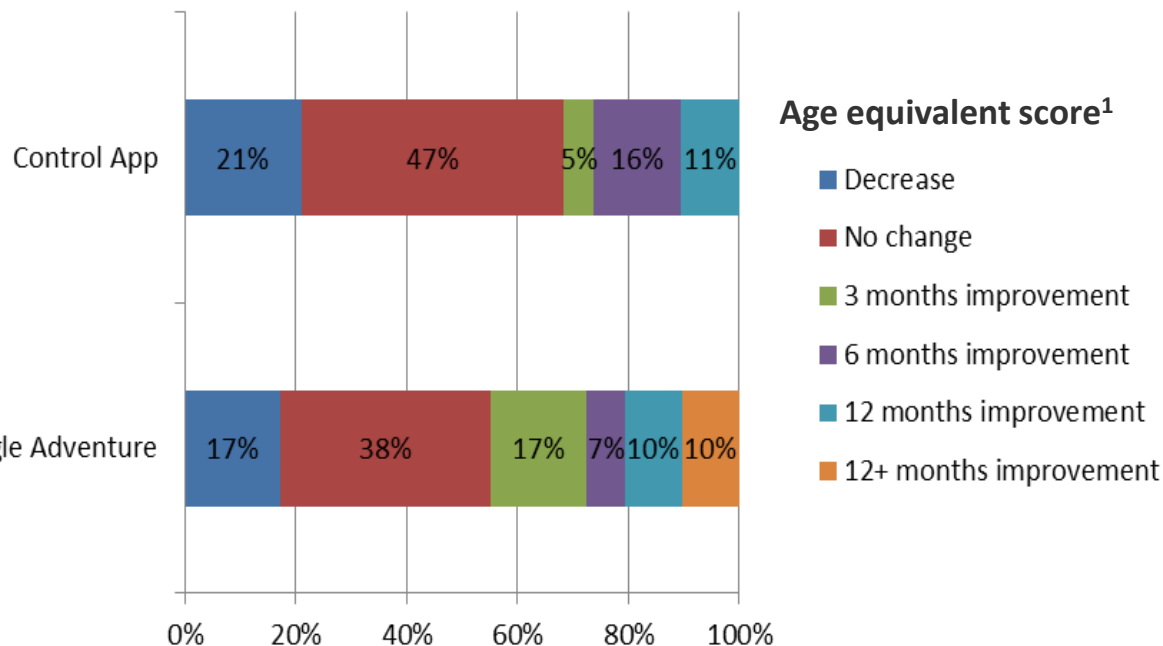# Jungle Adventure shows increased learning outcomes in the object assembly test compared to the control group

Jungle Adventure shows positive learning benefits in the object assembly test

Age equivalent score[1]
- Decrease
- No change
- <3 months improvement
- 3 months improvement
- <6 months improvement
- 12 months improvement
- 12+ months improvement

Control App: 11%, 58%, 11%, 11%, 5%, 5%

Jungle Adventure: 17%, 41%, 3%, 17%, 3%, 17%

- 38% (n=29) of the children tested using Jungle Adventure improved their object assembly skill level by an average of more than 10.8 months

- 26% (n=19) of the control app sample increased learning by an average of 2.8 months

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# Jungle Adventure shows increased learning outcomes in the picture naming test compared to the control group

Jungle Adventure shows positive learning benefits in the picture naming test

Age equivalent score[1]

- Decrease
- No change
- 3 months improvement
- 6 months improvement
- 12 months improvement
- 12+ months improvement

Control App: 21%, 47%, 5%, 16%, 11%

Jungle Adventure: 17%, 38%, 17%, 7%, 10%, 10%

- 45% (n=29) of the children tested using Jungle Adventure improved their picture naming skill level by an average of more than 8.7 months

- 32% (n=19) of the control app sample increased learning by an average of 6 months

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Jungle Adventure shows increased learning outcomes in the random color test compared to the control group

Jungle Adventure shows positive learning benefits in the random color test
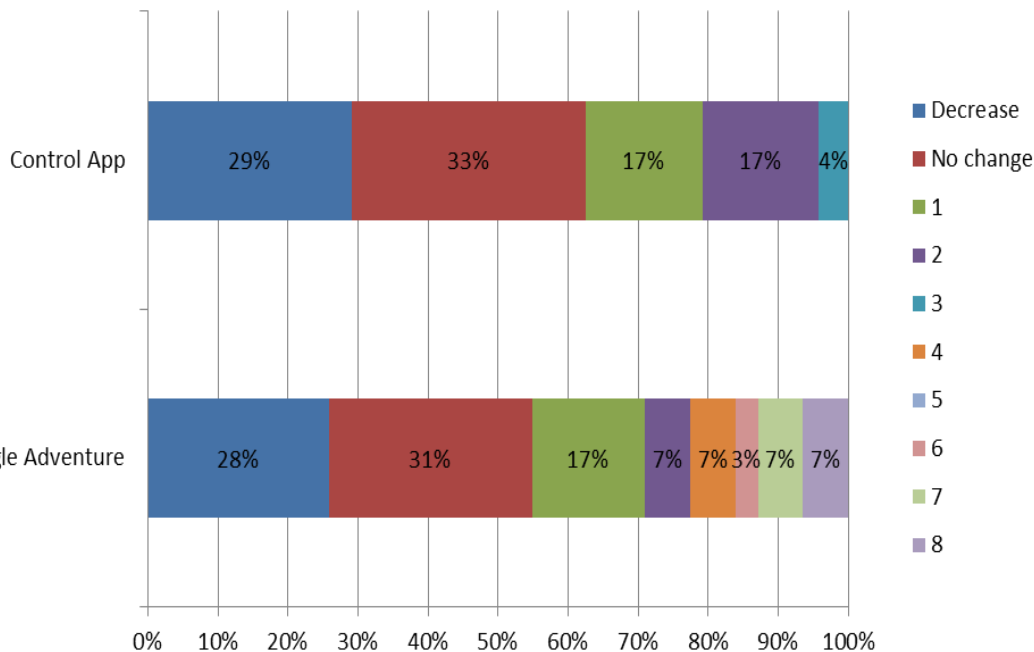
- 31% (n=29) of the children tested using Jungle Adventure improved their knowledge by 2 or more colors
- 24% (n=29) of the children tested using Jungle Adventure improved their knowledge by 4 or more colors
- 4% (n=19) of the children tested using the control app improved their knowledge by 3 or more colors

Conclusions

- Regular use of the Jungle Adventure app has the potential to improve learning skills in object assembly, picture naming and color recognition in children aged 2 years and 6 months to four years.

- Follow up research with larger samples is in planning stage

For more details on our results and research design contact: deanne@emeeyou.com