Empowering Citizens. Smarter Societies.





Moving Well-Being Well

Getting Ireland's Children Moving

Stephen Behan

A World Leading SFI Research Centre

















Introduction

Stephen Behan – PhD Candidate



The Insight Centre for Data Analytics

Supervised by Dr. Johann Issartel, Dr. Sarahjane Belton and Prof. Noel O'Connor



Previous role as a full time coach for Dublin GAA











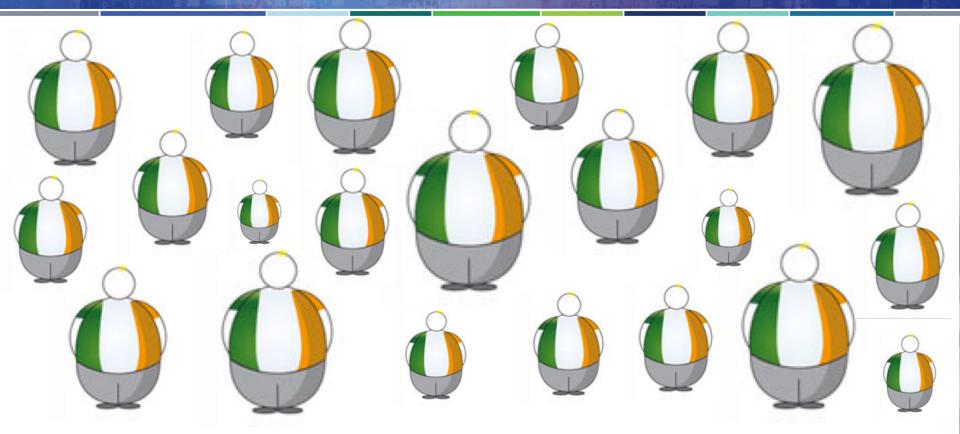








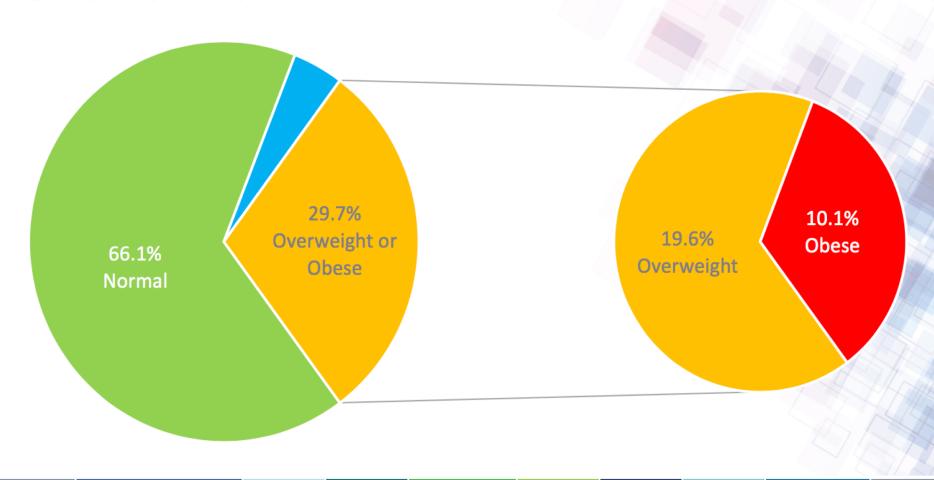




"Ireland to be the most obese nation in Europe by 2030"
- World Health Organisation



Irish Children's BMI







Lots of initiatives to promote physical activity....

It's not working







Why are we physically active?

What motivates us to be physically active?



Physical Literacy



Knowledge & Understanding

Physical Competence



The Physical Literacy Model



















2,148

children assessed throughout the country

2 counties across all four provinces

schools

100 classes from Junior Infants to Sixth Class

10,000+

kilometres travelled



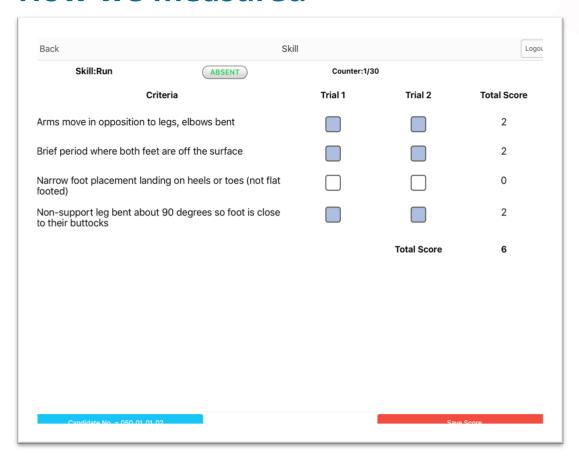
What we measured

- FMS Proficiency
- Perceived Competence
- BMI & Waist circumference
- Strength Grip and plank Test
- Flexibility
- Cardiovascular Fitness
- Motivation
- Confidence
- Wellbeing
- Body Image
- Knowledge and understanding*
- Physical activity Self reported, parent reported and pedometers (sample)
- Neuro-cognitive assessment (sample)
- Teacher questionnaire
- Parents questionnaire





How we measured











FMS Progression







Gender Gap in FMS

Locomotor Skills

Girls outperformed the boys significantly

Object Control Skills

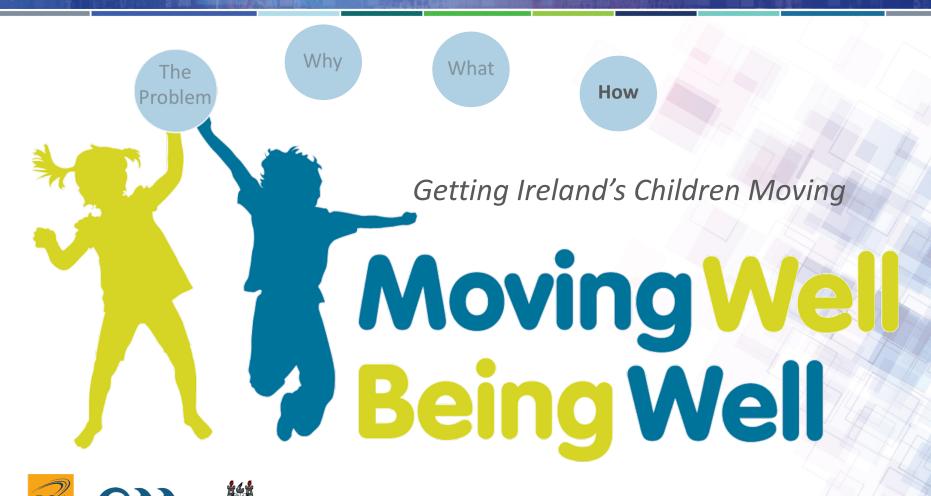
Boys outperformed the girls significantly

Stability Skills

Girls outperformed the boys significantly









Pilot Intervention

8 Week Intervention with 1st & 2nd Class children

- 30 mins FMS based class, coach led, for 6 weeks
 - Coach to lead and upskill teacher
- 30 mins Repeat class, teacher led for 8 weeks
 - Teacher repeats the coach led class each week
- 5 min active learning every morning classroom based
- Approx 10 mins home activity once a week

LESSON 1 - LITTERBUG

10 MINS

Learning Intention:

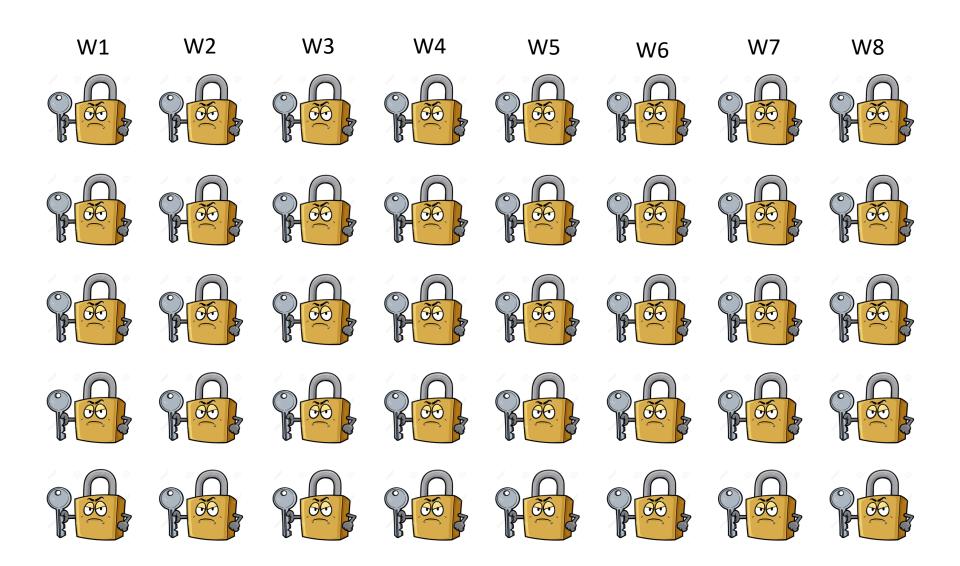
Child is learning to overhand throw by stepping with opposite foot and throwing a light object multiple times

Key Questions:

How could we improve our throw?

FMS Differentiation and Success Criteria







Frog Hunches

- Start standing up straight
- Hunch down like a frog , bending your knees and touching the floor with your hands
- Go from standing to hunched position and back 10 times
- What else could you do like a frog?

ACTIVITY - THROWING



DESCRIPTION OF ACTIVITY

Ask someone at home to join in

- Get any ball and throw it against a wall. (Top tip: Ifyou can't find a ball, roll up a pair of socks and use them! Just make sure they are clean and not smelly!!)
- Do you bring your arm backwards first to help you throw? (Tip: look at the picture for help!)
- 3. Can you throw with your other hand? Does it feel different?
- 4. Ask someone to throw with you. Who can throw it the furthest
- 5. Can you think up a throwing game? Play for 1 minute with someone



BRAINY BITS

Fun Good Stronger

This story about Sally is missing some words.

Fill in the missing words below.

Each word can only be used to fill one blank space in the story.

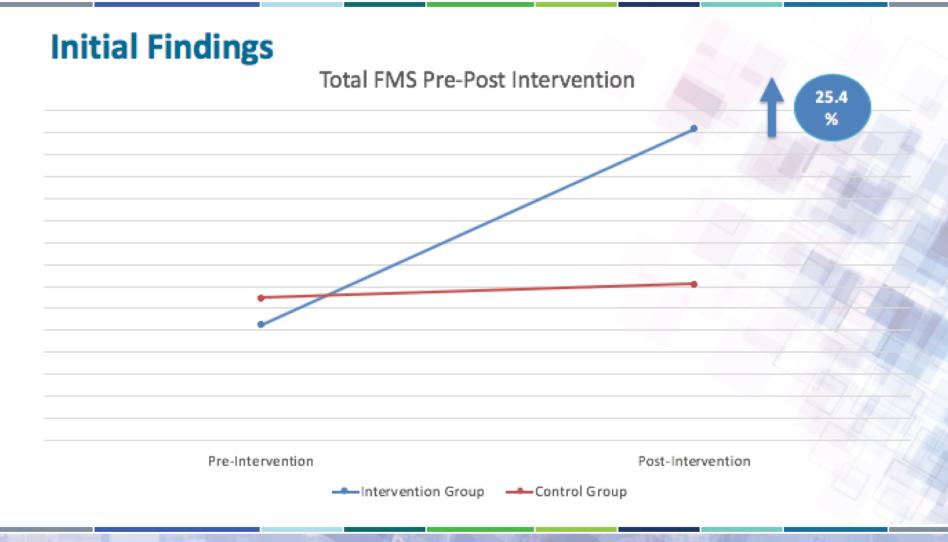


Sally tries to be active every day.
Running every day is good for her heart and lungs.
Sally thinks that physical activity is and is also for her.
She also does push-ups and sit-ups that make her

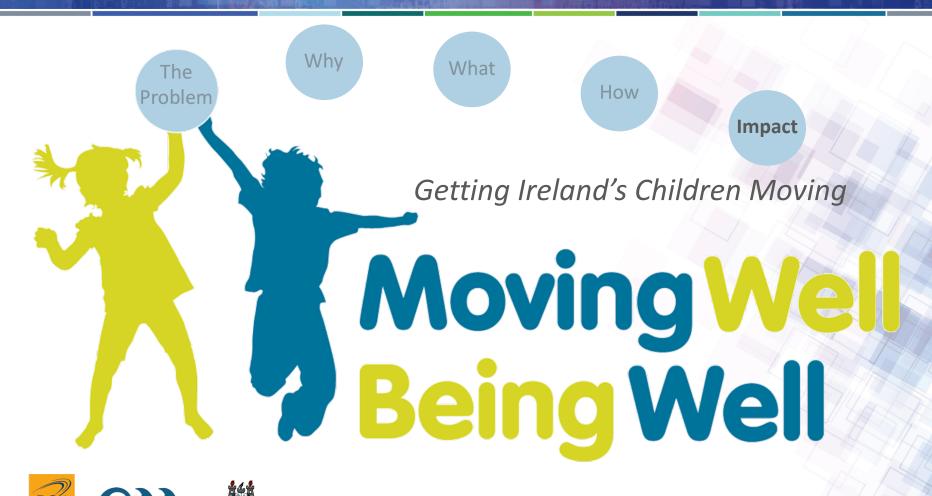














Potential Impact

Pilot Intervention success?

Potential for developed programme to have a nationwide roll out through GAA coaches

GAA – 92% of primary schools

20% Nationwide - 100,000 children

50% Nationwide - 250,000 children

