

KM CLUB EVALUATION

2019-2020



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Health
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KM CLUB

Kilometre Club (KM Club), is a school-based physical activity program run in multiple schools in the Mid North Coast (MNC), NSW. It was set up at Hastings Public School (PS) in 2014. The program aims to encourage physical activity by providing students with the opportunity to run, jog or walk outside, on a track, at a self-selected pace. The delivery of KM Club differs across each school, where some run the program before school and others run it during school; some run it for 2 days and others run it everyday.



THE EVALUATION

In 2019 MNC Local Health District Health Promotion team set out to conduct a mixed-methods study evaluating KM Club. This is the first study to evaluate the program.

AIM

This project aimed to:

- Evaluate the benefits, enablers and barriers of KM Club.
- Evaluate the effects of KM Club on physical activity behaviours of school children.



This evaluation has demonstrated a variety of self-reported health, wellbeing and education benefits for children, as well as an increase in their physical activity levels. All schools implemented a range of flexible and adaptable factors to meet the school context. The findings from this research will help to inform the improvement of school-based physical-activity programs, potentially improving short-term and long-term health outcomes and contribute to reducing childhood obesity in NSW.

Physical Activity Measures



Accelerometers to track students steps



3 Schools

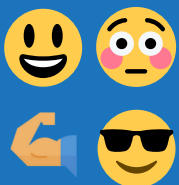


114 KM Club Participants

27 Non-KM Club Participants



Family, Teacher and Principal Interviews



Children's activity sheets were used to describe their feelings about KM Club



4 Schools Participated

4 Teachers and 2 Principals interviewed




26 Families interviewed

PHYSICAL ACTIVITY RESULTS

From Monday to Friday, over 2 weeks, students wore accelerometers to track their steps. Only steps in school hours are presented. School 1 compared KM Club participant steps with non-KM Club participant steps. School 2 & 3 compared KM Club participants days with their non-KM Club days.




KM Club results among the 3 Schools

School 1	School 2	School 3
Runs KM Club 5 days a week <u>during school</u>	Runs KM Club 4 days a week <u>before school</u>	Runs KM Club 2 days a week <u>before school</u>
<p>KM Club participants ran 10% more steps per day than Non-KM Club Participants</p> <p>(Significant change)</p>	<p>KM Club participants ran 15% more steps on KM Club days</p> <p></p> <p>(Significant change)</p>	<p>KM Club participants ran 4% more steps on KM Club days in week 2</p> <p>(There were no significant changes in Week 1 due to weather disruptions.)</p>

Students Emoji Activity

21 students who were interviewed and participated in the KM Club completed an emoji sheet to describe how they felt when they did KM Club. Students could select multiple emojis in their response.



-  PROUD 20
-  FANTASTIC 15
-  CONFIDENT 15
-  FIT 13
-  STRONG 12
-  SHY 2
-  BORED 2
-  WEAK 1
-  UNFIT 1

Total  steps over 10 school days  (114 KM Club students):

7, 215, 729



Key Findings

Interviews were conducted with teachers, principals and parents. Students who did and did not participate in KM Club were also interviewed. The most commonly discussed enablers, challenges and benefits are reported below.

Enablers

- Availability of teachers and parents to organise and supervise.
- Low resource and cost effective.
- Time efficient (10-30 minutes).
- Versatile facilities.
- Flexible delivery (run, jog, walk or kick a ball).
- Supports teacher autonomy.
- Incentives to encourage participation.
- Adaptable delivery models (before school, during school and after school).
- Integration into school curriculum or sports carnivals.

*'It's just thinking creatively... start small and let it build'.
(Teacher)*

*'We definitely would not be able to do this program without the help of our parents.'
(Teacher)*

*'One teacher who is keen to do something, that's all it took.'
(Teacher)*

*'We've got a short track and long track and they cater for all abilities.'
(Teacher)*



*'If you're on a late bus or if you can't get your child to school early enough'
(Parent)*

Challenges

- Some children prefer to socialise with their friends who don't participate.
- Some families are unable to drop their kids before school.
- Some children struggle to participate for health reasons (asthma or disabilities).
- Summer months can be too hot to run.
- Lack of wet weather options.

INCENTIVES

Across all schools there are no incentives for coming first, but schools have implemented incentives to encourage motivation and participation.

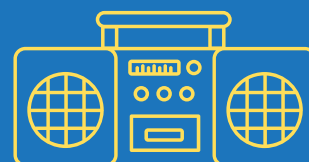
Tracking laps or days of participation through stamp cards



Tracking the total KM's run on an Australian Map



Playing music from a speaker



Certificates based on KM's achieved



Health, wellbeing and educational benefits



KM Club was perceived by children, parents, teachers and principals to have numerous health and wellbeing benefits including physical, social, emotional, educational and behavioural.

Increased fitness and participation in sport



"It's really good exercise for the morning and I like hanging out with my friends." (Student)

"It's a social thing for me too... I'm down there chatting with the other Mums." (Parent)

Social connectedness for children and parents



Improved concentration and eagerness to learn



"I've noticed confidence and improved behaviour." (Teacher)

"It helps them get organised in the morning in my household... they're so keen to get to school." (Parent)

Improved home and classroom behaviours



Improved mental health and wellbeing



"It alleviates their anxiety for school which flows onto their academic work as well." (Teacher)

"My husband really enjoys being able to do something with the kids at school that's active." (Parent)

Greater family bonding



The KM Club demonstrated transformational outcomes for one family in particular:

*"It's a great initiative. I've got one grandson that had extreme anxiety in Term 2, where he didn't want to come to school. We had to pull him out of the car quite a few mornings. The day that KM Club started in Term 2, he was a completely different child. He got out of the car, couldn't get here quick enough, had to be here early and raring to go. I haven't had any problems with him since... **KM Club was his saviour and he's come to school every morning.**"*

Acknowledgements

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Disclaimer

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