



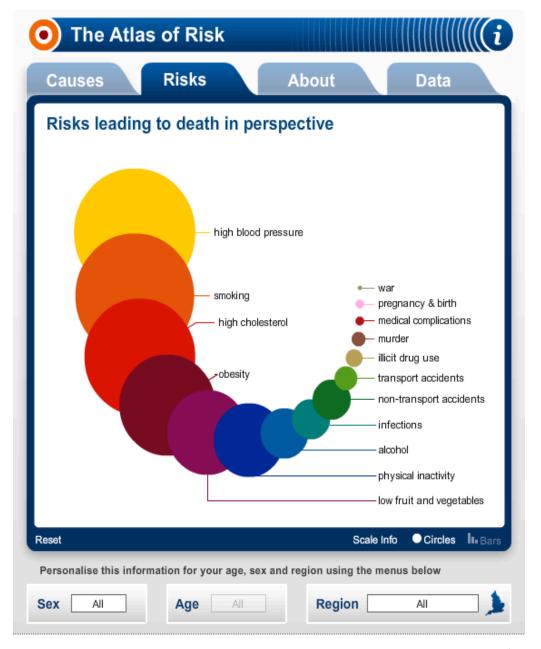
A fruity story of attaining and maintaining quality in translational research

Dr. Mihela Erjavec

Background

 Translational research applies findings from basic science to enhance human health and well-being

 Long tradition in Bangor University

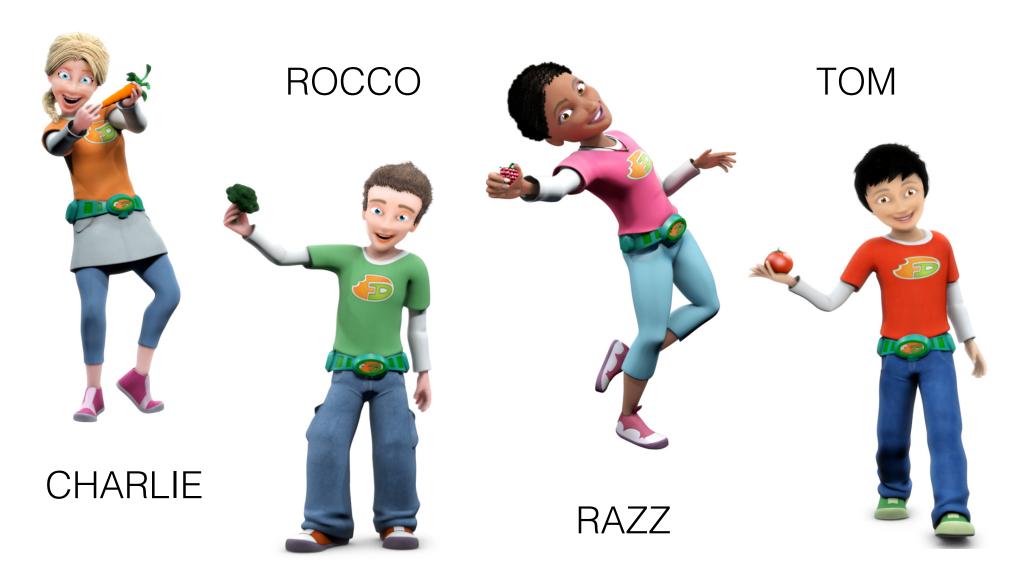


- 1. Intervention design, protocol, and materials
- Choose the area of work
- Define a problem to be addressed
- Identify determinants of risk behaviour
- Systematically search the existing literature
- No sufficient knowledge: do basic research
- Apply findings to the problem
- Create a basic intervention

Food Dudes Programmes: Teaching children to enjoy eating fruit and veg

- Founders: Prof Fergus Lowe and Pauline Horne
- Evidence base: 25 years of high quality research
- Child psychology and behaviour change principles
- School-based primary and nursery programmes
- Produce large and long lasting effects
- Trials and rollouts in Ireland, England, Scotland, Wales,
 Italy (Sicily, Milan) and the US (Utah, California)
- 700 000 children participated so far

Meet the Food Dudes



Meet the Junk Punks

GENERAL JUNK







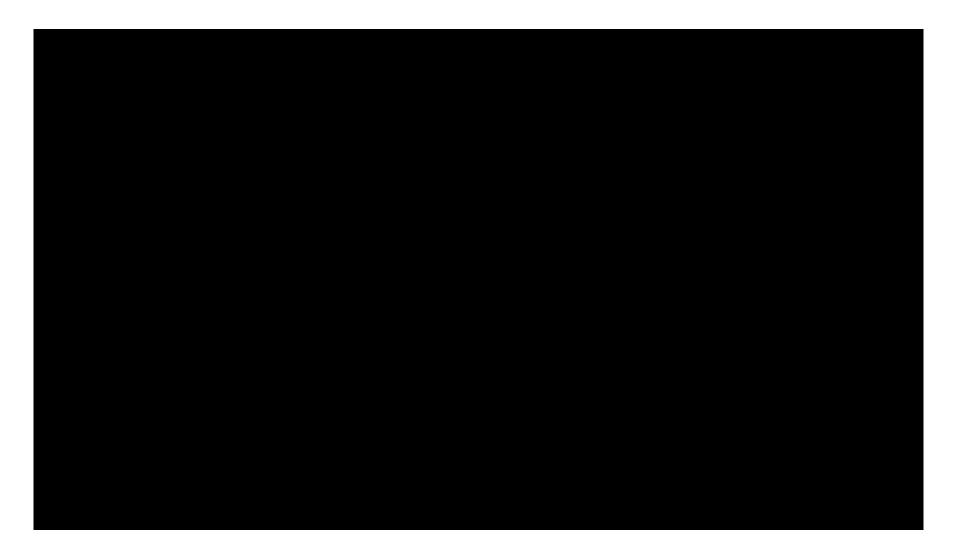


GRUESOME TWOSOME

Meet the Diddy Dudes (nursery version)



Meet the Diddy Dudes (nursery version)



Some examples of prizes



Some examples of fruit and veg



- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- Effective training of research staff, programme coordinators, school teachers, caterers (protocols)
- Randomised controlled studies (control group)
- Direct measurement of target behaviour not secondary indices (e.g., verbal reports)
- Accurate, valid, and reliable measurement of target food consumption – also practical

The use of digital photography

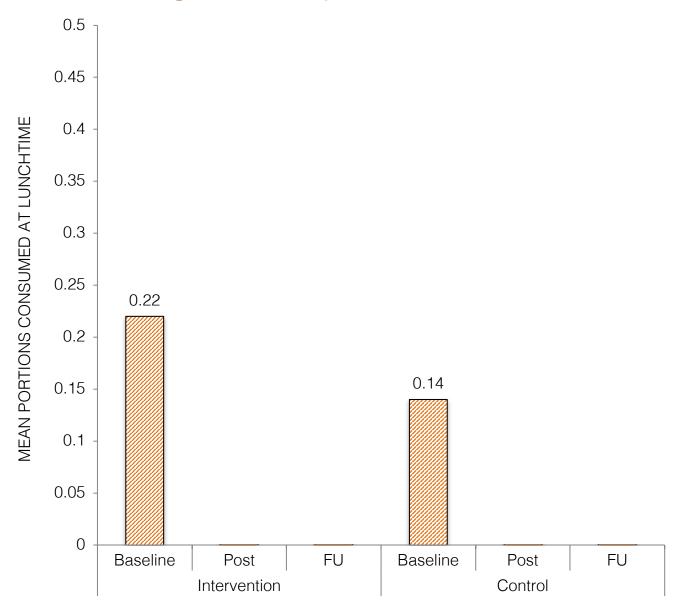




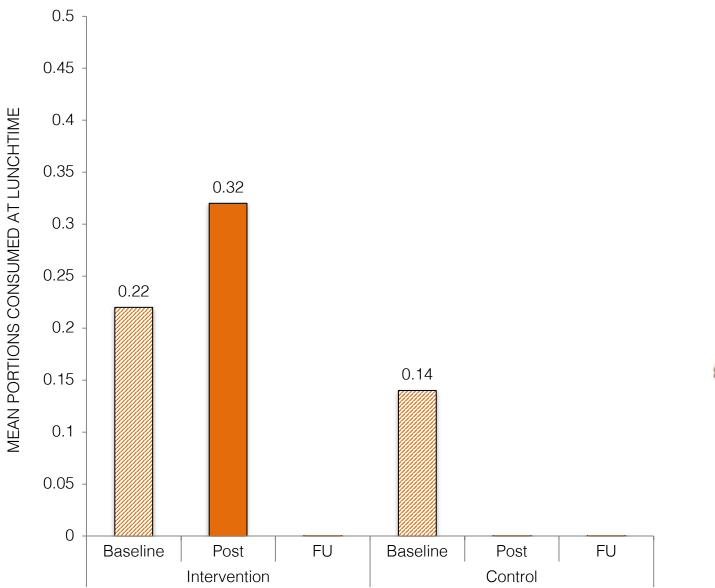




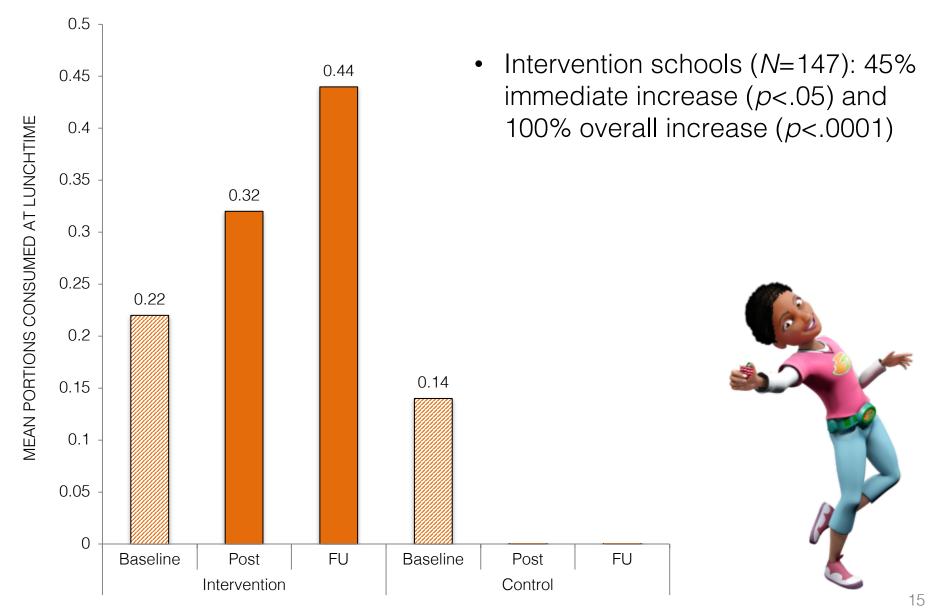
- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- 3. Evaluating the results and dissemination
- Correct, appropriate statistics and good visual presentation of data suitable for target audiences
- Non-specialist reports (for schools, commissioners, caterers, parents, children)
- Conferences (psychology, public health, prevention)
- Peer-reviewed journals and practitioner literature

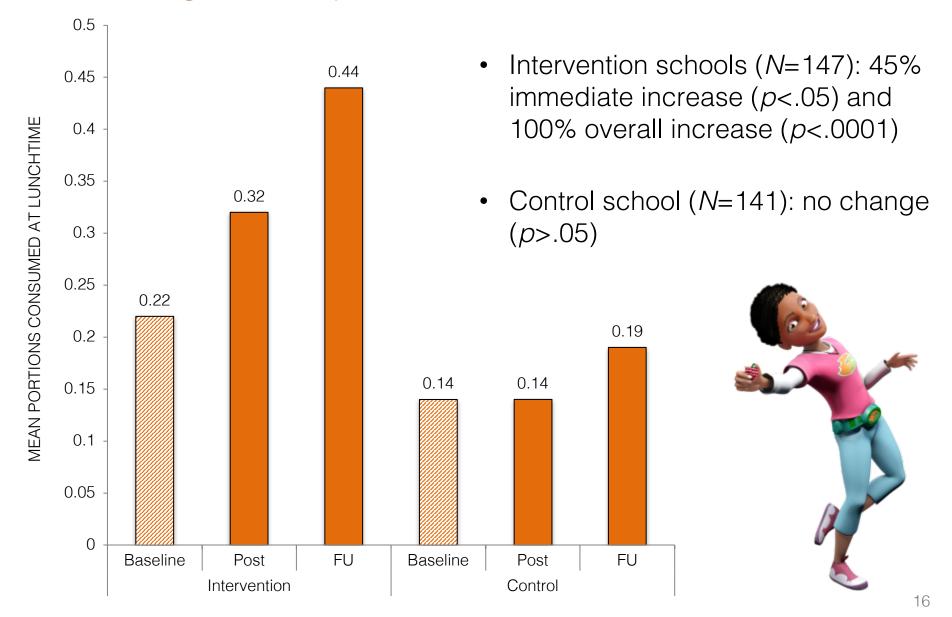


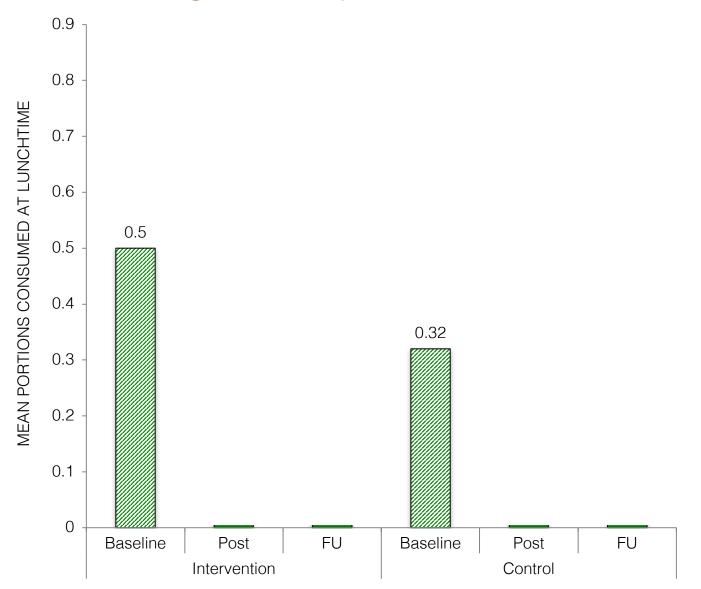






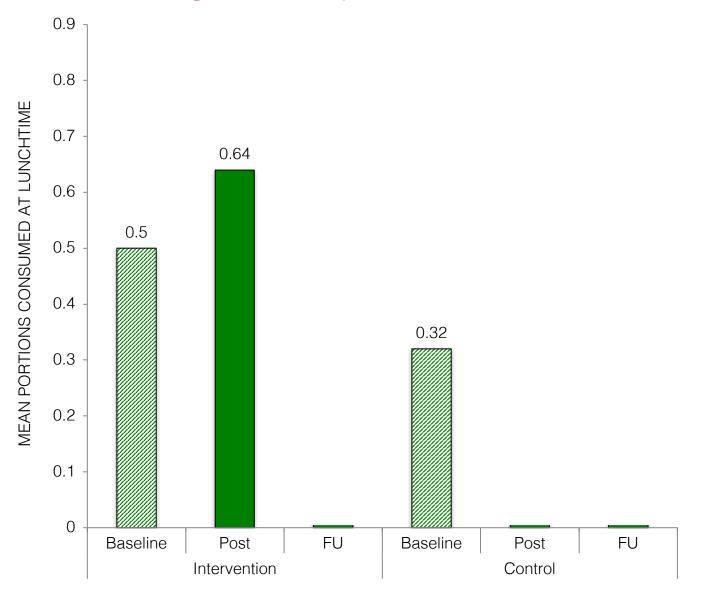






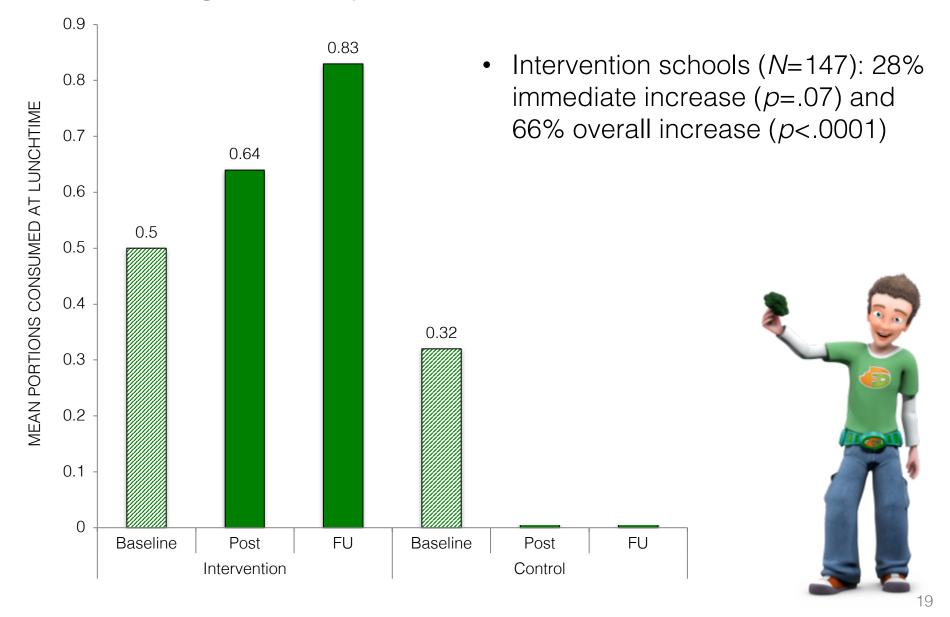


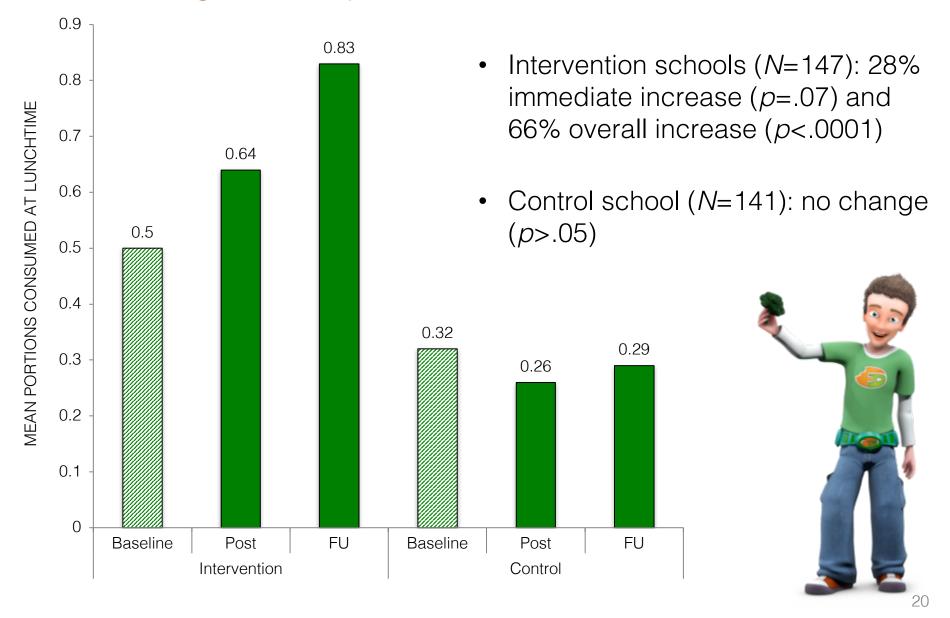
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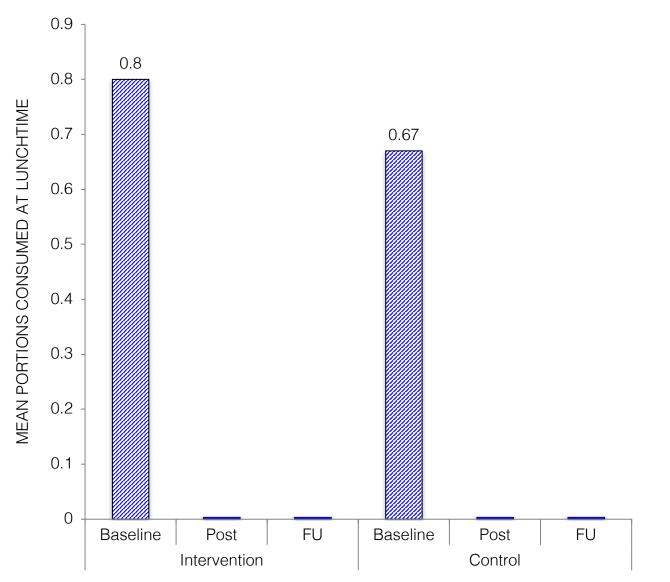




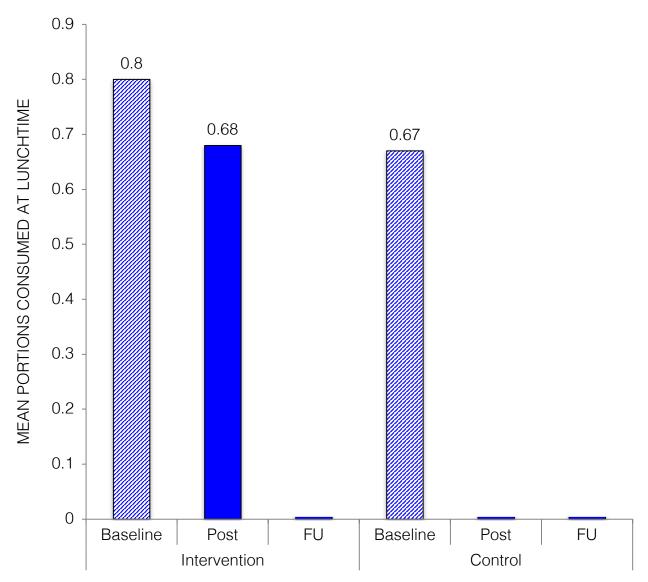
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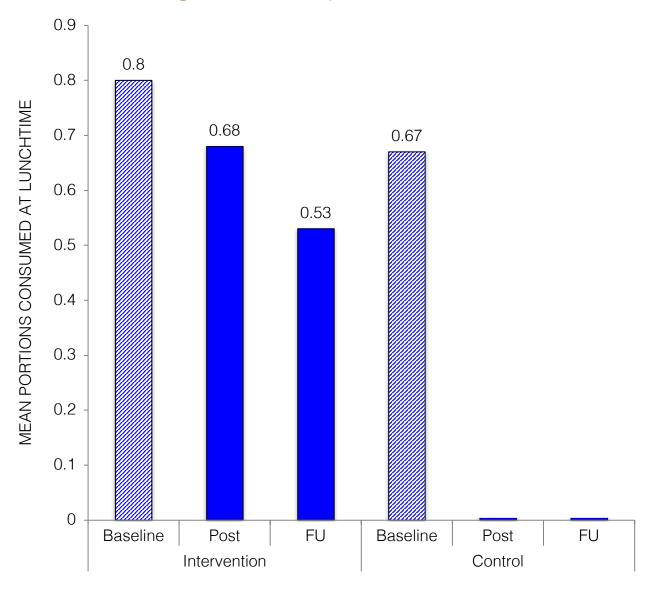






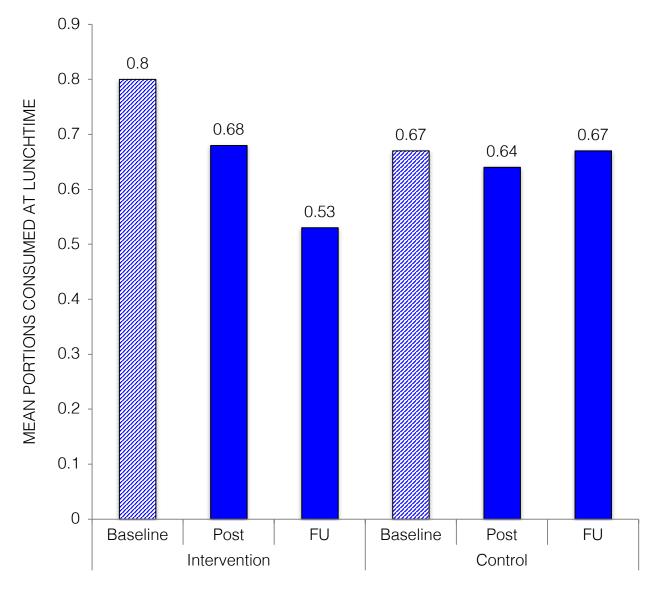






Intervention schools (N=147): 38% decrease (p<.0001)





- Intervention schools (N=147): 38% decrease (p<.0001)
- Control school (N=141): no change (p>.05)



- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- 3. Evaluating the results and dissemination
- 4. Ensuring programme fidelity
- Online training materials not very effective (as yet)
- A contracted delivery company (Ireland)
- Own delivery company (not unless you want to suffer)
- Train the trainer model

- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- 3. Evaluating the results and dissemination
- 4. Ensuring programme fidelity
- 5. Roll-out monitoring and evaluation
- Keeping and eye on things always a good idea!
- Advantages of collecting independent evidence (e.g., Government commissioned reports in Ireland)
- Continuous: balance between thorough and practical

- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- 3. Evaluating the results and dissemination
- 4. Ensuring programme fidelity
- 5. Roll-out monitoring and evaluation
- 6. Ongoing adjustments and innovation
- E.g., changing the choice architecture of school dining environments to support healthy eating

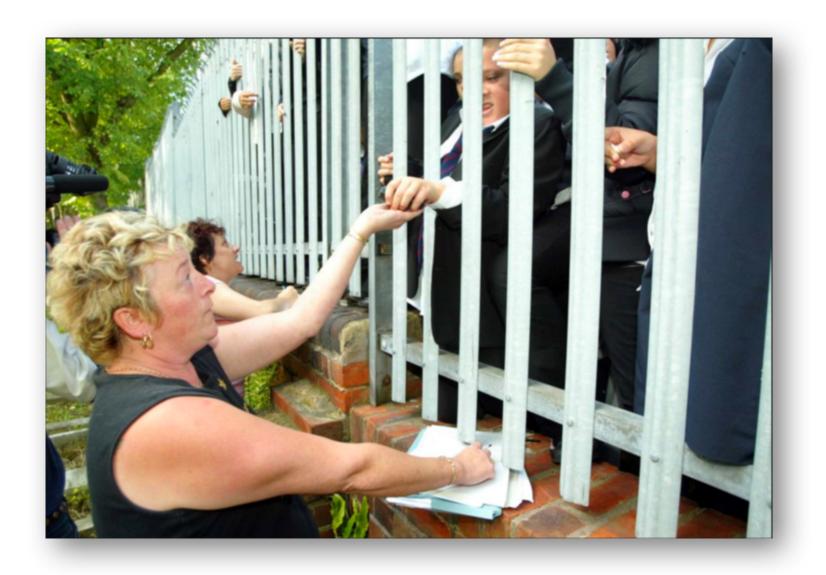
School dining environment in the UK



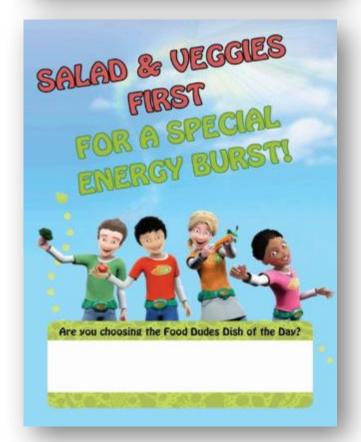
Jamie's school dinners



Rawmarsh school in Rotherham, Yorkshire







Food branding (cueing F&V consumption)











Improved presentation and positioning







Verbal prompts

- "Do you want green beans, carrots or both?"
- "Why not have a portion of fruit with that?"
- "Here, have a small taste, see what you think."
- "Try Charlie's Country Stew
 it gives extra energy to
 help with dancing."



Example of Food Dudes Menu in Denbighshire



Caffi Morfa Denbighshire staff and students



- 1. Intervention design, protocol, and materials
- 2. Implementation and measurement
- 3. Evaluating the results and dissemination
- 4. Ensuring programme fidelity
- 5. Roll-out monitoring and evaluation
- 6. Ongoing adjustments and innovation
- 7. Keeping everyone on board
- Children are easy, adults are difficult

And they all Duded happily ever after...





ABOVE: Robert Ellis from Ysgol Plas Brondyffryn and Rebecca Mitchell from Yagol Tir Morfa get a taste for healthy eating

LEFT:Pupils from Yagol Tir Morfa, left to right - Rebecca Mitchell, 12years-old, Lili Allen, nine-yearsold, Scott Parry, nine-yearsold,and Antonio Turner, aged 10

Pupils get taste for good eating

A RHYL school which caters for children with additional learning needs celebrated being part of a successful eating programme.

Members of the Food Dudes programme, which was launched in Denbigh, met with children research initiative conducted by the Bangor Food and Activity demand from the children." Research Unit, has been spon-sored by Denbighshire County Council who are the first council in Wales to pilot the healthy eat-

ing programme. The programme was modified for use with children with intellectual disabilities, including General Junk. Autistic Spectrum Disorder.

"Considerable" increases in graduate researcher from children's consumption of fruit Bangor University, added: "Our consumption of sweet and fatty foods were recorded by the Food improve nutrition, reduce health

By SUZANNE JORDAN

tiative prompts children to try a variety of fruit and vegetables.

"Food Dudes has encouraged our pupils to think about the in January at Ysgol Tir Morfa in choices they are making in their Rhyl and Ysgol Plas Brondyffryn diet and we are seeing the diet and we are seeing the impact this is having at home who had taken part in the too. It is rewarding to see obvious scheme to toast the rollout of the changes in our pupils' behaviour programme and their experi- - one example is that our school ences. Food Dudes, which is an cafe has had to significantly increase its order for fruit due to

Food Dudes use rewards based tactics and role-modelling to get across its message and to engage with the children. Their stories are based on four hero cartoon characters, Razz, Tom, Charlie and Rocco, who battle with

Amy Roberts-Mitchell, postand vegetables and decreases in results show that Food Dudes Programmes can significantly Dudes research team and "signif- inequalities, and give the chilicant" changes were noted at a dren in Special Schools and their three-month follow up. families much needed help to Sue Parry, deputy Head teacher establish and sustain healthy of Ysgel Tir Morfa, said: "The ini-

Caterer training videos – and much more



A take home message?

Attaining and maintaining quality in translational research is a cycle of continuous development, improvement, and change.

Thank you for listening.





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