

Developing the FootyFirst program and implementation plan to maximise the public health benefit

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Background

- NoGAPS (<u>National Guidance for</u> <u>Australian Football</u> <u>Partnerships</u> and <u>Safety</u>) project
 - A two year randomised groupclustered ecological study
 - Aim to develop and disseminate an exercise-training program to prevent leg injuries in community sport
- Maximising public health impact requires both the right program content and the right program delivery process

Study protocol

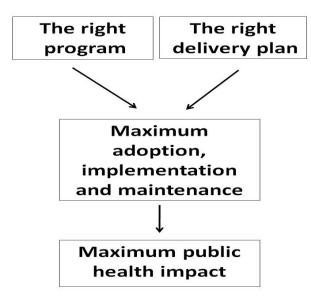
Towards a national sports safety strategy: addressing facilitators and barriers towards safety guideline uptake

Caroline F Finch, 1 Belinda J Gabbe, 2 David G Lloyd, 3 Jill Cook, 4 Warren Young, 5 Matthew Nicholson, 6 Hugh Seward, 7 Alex Donaldson, 1 Tim L A Doyle 8

Table 1 Overview of study and study phases

Overall research and partnership goals	Project phase	Study year	
Develop evidence-based safety guidelines for lower limb injury in Australian football	1	2010-11	
Refine guidelines and develop a delivery plan	2	2011	
Implement and evaluate guidelines and delivery plan	3	2012-13	
Develop and release of a national Australian football sports safety package	4	2014	
Extension of sports safety package through national/state partners to other sports	5	2014	
Promotion of general sports safety with partner agencies	5	2010-14	

Injury Prevention 2011;17:e4. doi:10.1136/ip.2010.031385





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Developing the right program

- Identifying a need
 - Reviewed published and unpublished injury data
 - Consulted industry partners
 - Confirmed lower limb injury prevention as a priority
- Identifying a solution that works
 - Reviewed publish evaluations of exercisebased lower limb injury prevention programs
 - Confirmed many leg injuries can be prevented through targeted training
 - Identified that teams with less injuries win more

Incidence and risk factors for injury in non-elite Australian Football

A McManus¹, M Stevenson², CF Finch³, B Elliott⁴, P Hamer⁴, A Lower⁵ & M Bulsara⁶

Research in Sports Medicine, 20:239–262, 2012 Copyright © Taylor & Francis Group, LLC ISSN: 1543-8627 print/1543-8635 online DOI: 10.1080/15438627.2012.680989



An Anterior Cruciate Ligament Injury Prevention Framework: Incorporating the Recent Evidence

ARTICLE

RNAL	CIII	P.	
REAL	CLU	D	

Effect of Neuromuscular Warm-up on Injuries in Female Soccer and Basketball Athletes in Urban Public High Schools

Cluster Randomized Controlled Trial

Cynthia R. LaBella, MD; Michael R. Huxford, MEd, ATC; Joe Grissom, MPP; Kwang-Youn Kim, PhD; Jie Peng, MS; Katherine Kaufer Christoffel, MD, MPH

Short report

Low injury rate strongly correlates with team success in Qatari professional football

Cristiano Eirale,¹ J L Tol,¹ Abdulaziz Farooq,² Faten Smiley,¹ Hakim Chalabi³



Developing the right program

Making sure everyone agrees

Consensus process with experts

- AFL Medical Officers
- AFL Sports Scientists
- AFL Physiotherapists
- Other lower limb injury prevention experts
- Identifying a solution that is likely to be used

Focus groups and trials with potential endusers

- Community level coaches and players
- Easily used
- Not too time consuming
- Easily integrated.

15

Gaining expert consensus on lower limb injury prevention exercise guidelines for community Australian Football the NoGAPS project

A. Donaldson^{1,*}, J. Cook³, P. White¹, C. Finch¹, D. Lloyd⁴, B. Gabbe²

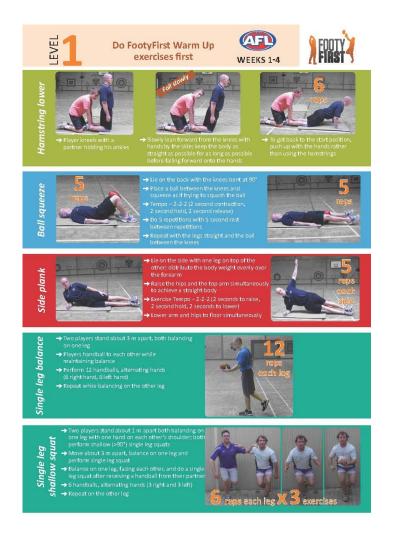






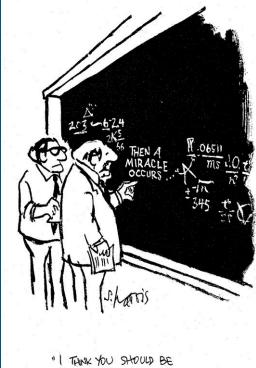
Developing the right program

- Targeted at hamstring, groin, hip, knee and ankle injuries
- Warm up + 5 progressive levels of exercises
- Performed 2 X 20 mins per week
- Minimal equipment and skills required
- Easy to understand and follow
- Fits with usual practice
- Similar to elite level
- Common questions answered





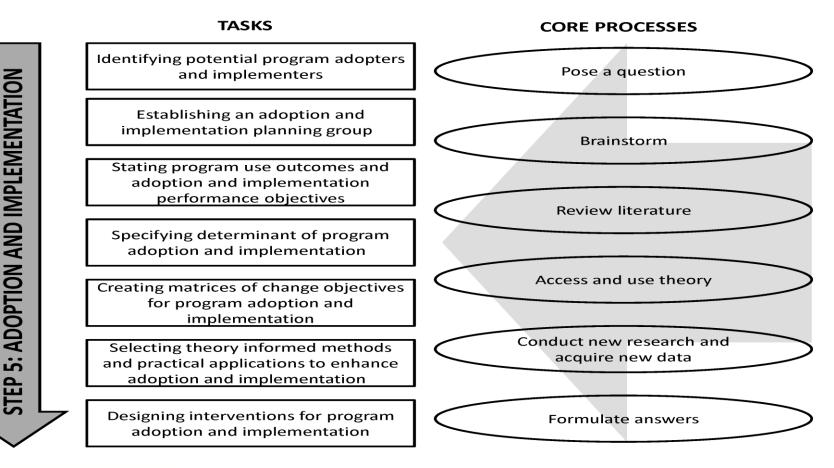
- Program impact = effectiveness + implementation
- Current sports safety implementation strategies are not very effective
- Theories and frameworks can enhance implementation and dissemination activities (Tabak et al Am J Prev Med 2012).
- 1% of published sports injury prevention research investigated implementation and effectiveness (Klugl et al Clin J Sport Med 2010)



MORE EXPLICIT HERE IN STEP TWO."



Step 5 of Intervention Mapping (Bartholomew et al. 2011)









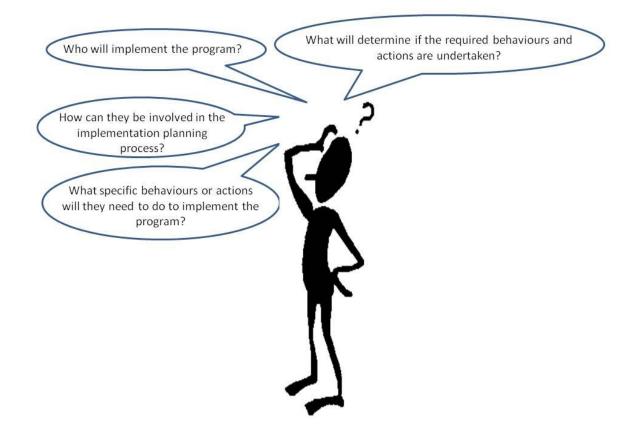


Who will implement the program?	
How can they be involved in the implementation planning process?	
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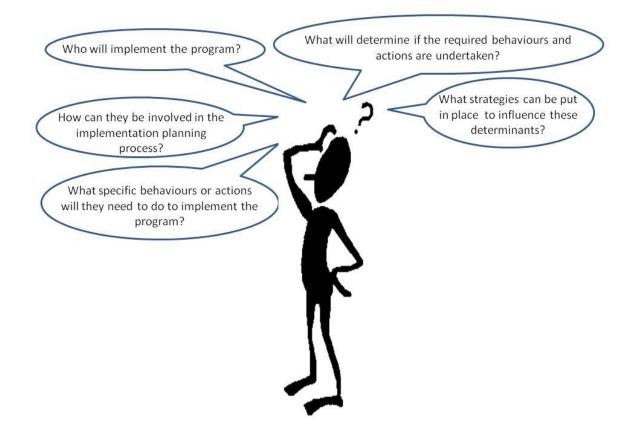




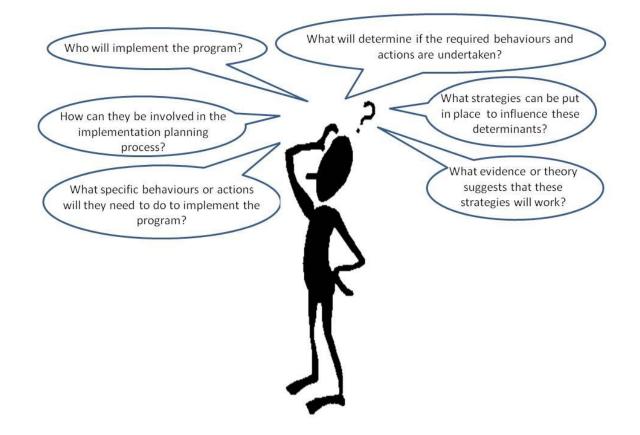






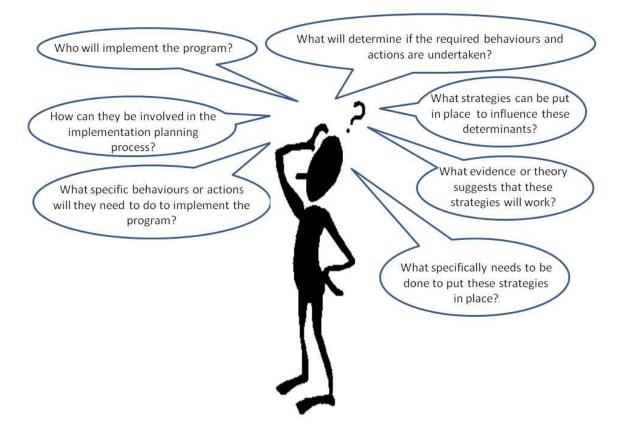








Questions asked and answered when developing the delivery plan for FootyFirst





FootyFirst delivery plan

- Communication strategy
 - Mass media
 - Direct
- High profile launch
- Endorsement
 - AFL logo and premiership coach
 - Respected and recognised experts
- Resources
 - Manuals
 - Posters
 - Video
- Coach training
- Mentoring













Evaluation

- Comparing the reach, effectiveness, adoption, implementation and maintenance (RE-AIM) of FootyFirst
- Mixed methods
 - Online surveys
 - Interviews
 - Observations
 - Injury surveillance
 - Prospective, selfreported implementation

Original article

A sports setting matrix for understanding the implementation context for community sport

C F Finch, A Donaldson

 Table 1
 The RE-AIM Sports Setting Matrix (RE-AIM SSM): evaluation dimensions for community sport intervention delivery with demonstrable public health benefit

RE-AIM Dimension	Level of assessment/intervention setting or target					
	National Sporting Organisation (NSO)	State/Provincial Sporting Organisation (SSO)	Regional Association or League	Club	Team	Participan
Reach						
Effectiveness						
Adoption						
Implementation						
Maintenance						

Note: This table shows all possible intervention points. The relevance of each point will depend on the nature and target of each intervention



Key challenges and lessons learnt

- Limited scientific evidence
- What will work Vs what will be adopted and implemented
- Step 5 of Intervention Mapping is a useful implementation planning tool
- Researcher–End-user partnerships are important
- Language is a key challenge
- Gathering adoption and implementation data in the realworld is difficult
- Program adoption and implementation are continuous and on-going



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 - Department of Planning and Community Development Sport and Recreation Victoria Division
 - Sports Medicine Australia National and Victorian Branches (SMA)







