Acknowledgement of Country

I would like to acknowledge the Traditional Custodians of the land on which we meet today, and pay respect to their Elders past, present and emerging. I extend that respect to Aboriginal and Torres Strait Islander peoples here today.









ASSOCIATE PROFESSOR NARELLE EATHER

THE VALUE OF SPORT FOR PSYCHOLOGICAL AND SOCIAL OUTCOMES: EVIDENCE FROM THE FIELD

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UNIVERSITY PRIORITIES

Contribute to Global Sustainable Development Goals

Student success and retention

Student and staff health and wellbeing

Promoting civic responsibility and social impact

Building local, national, and international partnerships and collaborations

Attracting international students and scholars

Contributing to global challenges (e.g., health, education)

Creating a safe, welcoming, and inclusive campus culture

University reputation



1) MENTAL HEALTH: WHAT DO WE KNOW?

Mental health encompasses **psychological**, **social and emotional health**, and includes two discrete indicators:

- 1) psychological **wellbeing** (e.g., self-esteem and quality of life), and
- 2) psychological **ill-being** (e.g., psychological difficulties, high levels of stress and anxiety)

(Ryff et al., 2006; Keyes, 2014)



MENTAL HEALTH OF AUSTRALIANS





- Almost 1/2 adolescents report at least moderate distress (Lawrence et al, 2015;Wuthrich 2021; Wuthrich 2020)
- •42.9% of Australians aged 16–85 have experienced a mental disorder at some point in their lives
- Greatest rates of mental health issues (psychological distress, anxiety, depression, suicidal thoughts) in senior school years and during university (1 in 3) (AIHW 2024; Australian Bureau of Statistics 2020–2022)
- International students report additional stressors such as cultural adjustment & visa insecurity
- Academic stress, financial pressure, and social isolation are leading contributors to poor mental health (Australian Institute of Health and Welfare Australian Bureau of Statistics)

BENEFITS OF PHYSICAL ACTIVITY FOR MENTAL HEALTH

Reduces Symptoms of Depression & Anxiety	Boosts endorphins and serotonin levels
	Natural mood enhancer
Improves Cognitive Function	Enhances focus and memory
	Supports brain plasticity and mental sharpness
😔 Decreases Stress	Lowers cortisol levels
	Encourages relaxation and emotional resilience
Improves Sleep Quality	Helps regulate circadian rhythms
	Leads to deeper, more restorative rest
Example 3 Self-Esteem & Social Interaction	Fosters confidence and social support through group activities
• "Even 30 minutes of moderate activity most days can make a difference."	
(Aust Dept Health & Aged Care)	



Physical activity and mental health: a systematic review and best-evidence synthesis of mediation and moderation studies | International Journal of Behavioral Nutrition and Physical Activity |



IS SPORT THE SOLUTION?

+ Opportunity to be physically active

+ Improved physical fitness

+ Improved movement and sport skills

+ Reduction in the risk of developing non-communicable diseases & illnesses

+ Opportunity for social interaction

- + Beneficial for mental health and wellbeing
- + Development of life skills

+ Economic benefits through reduced health care costs linked to inactivity

- Sport participation carries injury risk

https://www.clearinghouseforsport.gov.au/kb/vb-preventive-health; Eather et al (2023), Eime et al (2013)

Psychological wellbeing

- self-esteem
- life satisfaction

Psychological III-being

- depression
- anxiety
- Stress

Social Outcomes

- self-control
- pro-social behavior
- interpersonal communication
- fostering a sense of belonging

SPORT AND THE MENTAL HEALTH BENEFITS FOR ADULTS: THE EVIDENCE

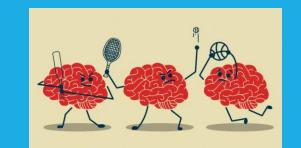
Eather *et al. Systematic Reviews* (2023) 12:102 https://doi.org/10.1186/s13643-023-02264-8

SYSTEMATIC REVIEW UPDATE

The impact of sports participation on mental health and social outcomes in adults: a systematic review and the 'Mental Health through Sport' conceptual model

Narelle Eather^{1,2*}, Levi Wade^{1,3}, Aurélie Pankowiak⁴ and Rochelle Eime⁴

Team sports are most beneficial





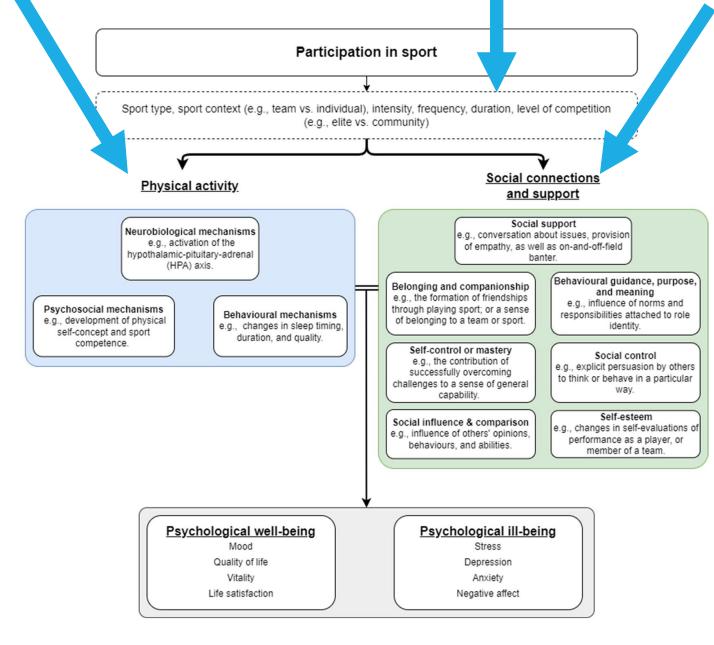
Open Access

THE MENTAL Moderators HEALTH Proposed THROUGH SPORT mechanisms CONCEPTUAL MODEL Sport physical activity social opportunities

psychological outcomes

Mental health

outcomes



SPORTS PARTICIPATION AND SOCIAL OUTCOMES

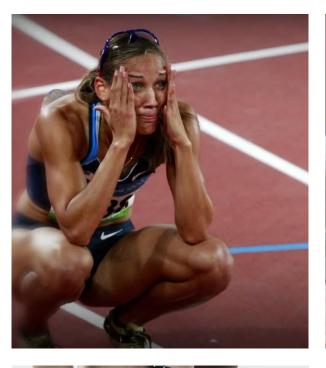
+social integration

- +peer support
- + social acceptance and social competence
- +social self-efficacy
- + social integration
- +prosocial behaviours
- + interpersonal relationships
- +higher peer belonging
- + greater social connections
- +positive youth development



+peer victimisation, aggression, conduct problems (team sports)

HOME AWAY I can't do this anymore. I'm a failure.





SPORT

Volleyball Australia apologises to former players for physical and psychological abuse

By national sport reporter, David Mark

Posted Thu 18 Jul 2024 at 1:56pm, updated Thu 18 Jul 2024 at 2:31pm



A former player, who only wants to be known as Selina, says the team trained in an "atmosphere of fear and control as we over-trained seven hours a day, six days a week".

"Training became punishment, and we endured verbal and physical abuse, humiliation, insignificant recovery time, favouritism, isolation, excessive penalties, and body-shaming," Selina said.

"We were belittled and called 'weak', 'pathetic', and 'useless' by coaches and





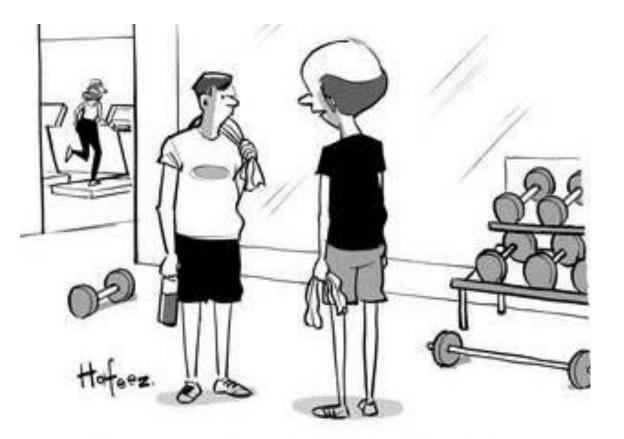


https://link.springer.com/chapter/10.1007/978-981-96-4028-7_14

COGNITIVE HEALTH BENEFITS OF PHYSICAL ACTIVITY

- Physical activity improves cognitive and academic performance (Chang et al., 2012. Brain Res)
- Potential mechanisms:
- -Changes in brain structure and function (Hillman et al., 2014. Pediatrics)

-Improved cognitive control (Chaddock et al., 2010. Dev Neurosci)



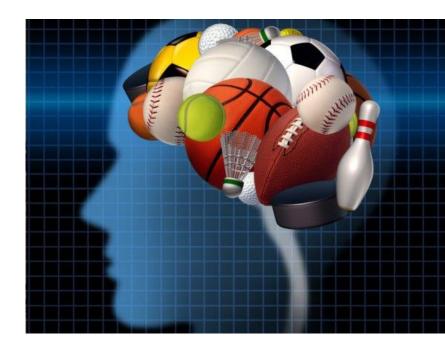
"Twe been working out for six months, but all my gains have been in cognitive function."

COGNITIVE BENEFITS OF SPORT / PA

Improved Memory and Learning:

- Boosts hippocampal function and memory retention
- Enhanced Concentration and Attention:
- Sharper focus and better task-switching ability
- Better Executive Function:
- Improves planning, inhibition control, and decision-making
- Neuroplasticity and Brain Health:
- Supports neurogenesis and protects against cognitive decline
- School-Linked Cognitive Boost:
- Improved mood enhances mental performance
- Faster Reaction Times:
- Enhances cognitive speed and motor coordination

(Hillman, C. H. 2008; Erickson, K. l. 2019.; Stillman 2020)



COGNITIVE & MENTAL HEALTH BENEFITS THROUGH SPORT ARE RELEVANT FOR.....

•Students: Better academic outcomes and focus

•Staff: Improved productivity and stress management

•Older adults: Delay in age-related cognitive decline

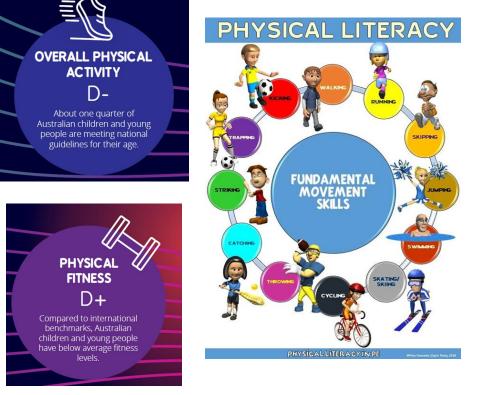
•Athletes: enhance cognitive processing speed and motor coordination

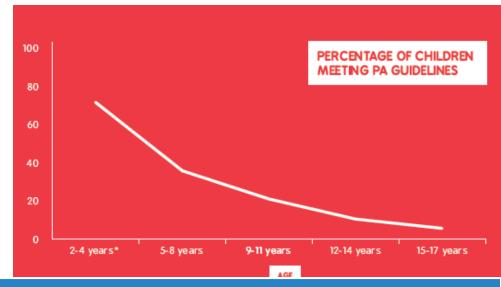




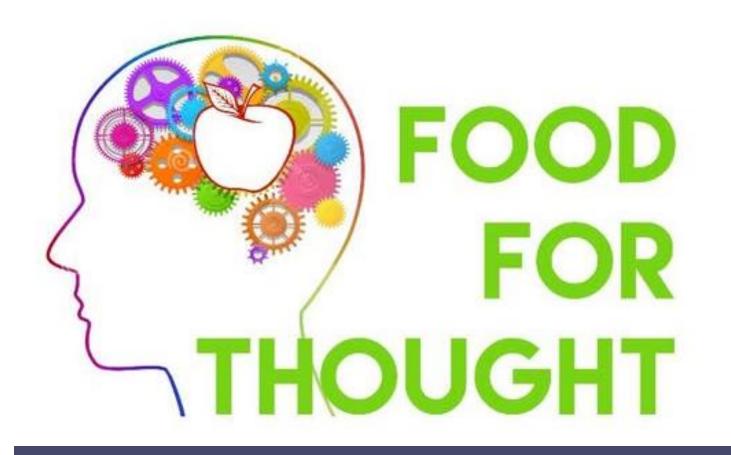
2) PA, FITNESS, SPORT PARTICIPATION TRENDS

- PA & Physical Fitness among children is poor
- PA declines dramatically throughout adolescence (Dumith et al., 2011. Int J Epi)
- Older adolescents and young adults are highly susceptible
- <6% of older adolescents & 50-80% of young adults (18–25 years) fail to meet PA guidelines
- Behaviours continue into and throughout adulthood (Telema et al., 2009)
- 50-70% adults considered sedentary/low active
- Low FMS skill mastery in children
- Girls: run 30%; vertical jump: 33%; kick 13%; overarm throw: 14%)
- Boys: run 32%; vertical jump: 32%; leap 13%, kick 50%; over-arm throw 53%; catch: 59%)





Results from the Australian 2022 Report Card on physical activity for children and young people - PMC (nih.gov)



WHAT CAN UNIVERSITIES DO?

Most Australians aren't active enough or fit enough to achieve good physical and mental health

AND

They don't have the skills to try

(let alone have confidence, fitness or competence to experience success in a range of activities or sports)

GIRLS DROP OUT OF SPORTS AT



THE RATE THAT BOYS DO BY AGE 14.

BY AGE 17, MORE THAN HALF OF GIRLS WILL QUIT PLAYING SPORTS ALTOGETHER.

Porganised SPORT B-

Around two thirds of children and young people participate in organised sport (outside of school hours) at least once per week.



Problem: "Kids join youth sports programs in droves - and drop out in droves"

Australian Sports Commission (2016). AusPlay participation data for the sport sector. A. S. Commission. Canberra, Australian Sports Commission: 1-30.

hoped Brisbane 2032 will get them back

By Paul Kennedy

Posted Thu 22 Jul 2021 at 5:01 am, updated Thu 22 Jul 2021 at 10:34 am





Source: Sport Australia – AusPlay Survey 2022, Crossman 2024 https://www.sciencedirect.com/science/article/pii/S1469029224000207

Summary

University Sport / PA programs provide a platform for....

- Achieving broader university goals
- Specifically improving student and staff, and community participants' physical, mental, and cognitive health
- Creating new/innovative opportunities to create active and healthy campuses

BUT we need to

- Consider current PA levels / fitness of participants (poor)
- Address barriers and facilitators of participation (time, motivation, skills, enjoyment)

 Promotes social interaction, connection and belonging (key driver for mental health)





