

DOMAIN GUIDE: Physical Health and Wellbeing



This guide supports early childhood education and care services and schools to gain a deeper understanding of the AEDC physical health and wellbeing domain. The guide can be used to inform early childhood and curriculum planning, quality improvement and strengthen partnerships with families and the community.

Importance of physical health and wellbeing in educational settings

Reflecting on the way in which physical health and wellbeing enable children to engage in learning and social environments empowers educators and leaders to shape their approach to planning for children.

In reading the section below about the impact of physical health and wellbeing on educational settings:

Consider the challenges children may face in your setting.

How can you promote further development in physical health and wellbeing?

How does your program support children who are facing difficulties with physical health and wellbeing?

Physical health and wellbeing capture a range of developmental and wellbeing indicators. Children's physical development is generally discussed in terms of motor coordination. Motor coordination, and fine and gross motor enable children to interact with and manipulate their physical environment. Physical health also includes children's management of their health and hygiene.

Good nourishment, rest and physical comfort are often taken for granted, but without these children are unable to muster the energy and focus they need to engage in learning. When children's physical and health needs are met, they can use opportunities in their environments to practice emerging skills and learn new skills.

Gross motor skills not only enable children to navigate physical obstacles, they also underpin children's ability to sit in a classroom. Core muscle strength underpins children's physical endurance and allows them to focus on the task at hand. Fine motor skills empower children to hold a pencil and cut with scissors. When children come to school with good dexterity they can build on these skills and engage with writing, drawing, and information technology.

The AEDC for considering children's physical health and wellbeing

The AEDC provides a picture of children's physical health and wellbeing across the community. It signals factors at a community level that may be impacting on children's physical development and their health and wellbeing needs. Educators and educational leaders can use this information to connect with their communities, inform their planning, and shed light on issues at a community level that are likely to be impacting children's ability to engage in learning. AEDC physical health and wellbeing domain questions reflect the types of skills teachers observe in the classroom and playground environments. These should be considered markers of how well children have developed, what might be working well in communities, and where things might be getting in the way of children's physical health and wellbeing.

Specifically, the AEDC physical health and wellbeing domain measures:

- Physical readiness for the school day
- Physical independence
- Gross and fine motor skills

Consider who makes up your community

Your community may include those who live in the area and the surrounding suburbs. In some cases this may differ from the families that actually attend your educational setting.

Reflect on how other data you collect (e.g home background) can be used alongside the AEDC data to help understand your community and their needs.



Thinking about how children develop in a domain can help educators and leaders identify what has contributed to the AEDC data in their community. Consider the domain description below and reflect on what is supporting children's development of physical health and wellbeing in your community.

About physical health and wellbeing

In the early years, children's growing physical independence sees them move from wholly dependent on adults to independent agents who are able to clothe, feed, toilet, and clean themselves. Babies who once relied on physical reflexes to feed and grasp caregivers develop into children who can run, jump, climb, and manipulate small objects skilfully. This extraordinary development is often marked and celebrated by families as they witness their children master new skills.

Nevertheless, during childhood children are physically reliant on their caregivers. Children rely on adults to have their basic physical and health needs met – nourishment, warmth, and shelter. Children who are well nourished, well rested, and comfortable, can engage with their environments and make the most of educational opportunities.

The AEDC measures a series of capabilities that are indicators of children's physical health and wellbeing. Although children can exhibit differing skills in varying contexts (e.g. are less tired at home), the factors measured in the AEDC signal that children have developed physical health and wellbeing and have been able to demonstrate these in the school environment. These should be considered markers of how well children have developed, what might be working well in communities, and where things might be getting in the way of children developing physical health and wellbeing.

Educators who consider factors impacting on children's ability to engage with the learning environment are better able to tailor their planning. Ask yourself:

- Do children's physical health and wellbeing enable their engagement in learning?
- How do I support children's development of physical independence?
- Is there support for children who are struggling to engage in learning because of poor health/hunger/comfort/lack of stamina?

Supporting the development of physical health and wellbeing

Research has demonstrated the influence of several family and community level protective factors on the development of physical health and wellbeing. Consider the protective factors that might exist in your community and the role you play in promoting these through your partnerships with families and the community. When thinking of development in this domain, educators and education leaders should think about factors that contribute to health, motor skills development, and physical independence.

Family level factors

Children develop the skills they need to become independent agents in the physical world when families provide opportunities for children to practice fine and gross motor skills, and provide a supportive environment that fosters physical independence (Grissmer et al, 2010; Tandon et al., 2016).

Educators who engage families in their children's learning share insights, listen and learn from parents, and plan together for children's development. Ask yourself:

- How do I demonstrate respect and cooperation in my approach to working with families?
- What do I learn from parents that supports my work with their child?
- How do I model practices that support children's development of physical independence?
- Are there health factors, diagnosed or undiagnosed, that may impact children's development?

Community level factors

Families who face challenges such as lack of employment, food or housing insecurity, poor mental health, or family violence can find it more challenging to provide for children's health and wellbeing. Communities that seek to engage and work in partnership with families facing hardship, can support families to provide for their children's health and wellbeing and develop healthy eating habits (Dudley, Cotton & Peralta, 2015; Reynolds, Brandt, Hayakawa, Englund & Ou, 2016). In communities where there are high quality early education environments (e.g. Child and Parent Centres, early childhood education and care services, playgroups) and mechanisms that assist families to connect with these services, children's development is supported (Goldfeld, S., O'Connor, E., O'Connor, M., Sayers, M., Moore, T., Kvalsvig, A., & Brinkman, S. (2016).

Successful approaches to working with children to develop healthy eating behaviours have been found to be those that take a multifaceted approach and combine enhanced curricula, cross-curricula, and experiential learning approaches (Dudley, Cotton & Peralta, 2015).

Communities that enable access to services for children who could benefit the most consider and respond to the barriers families may face in accessing these services. Ask yourself:

- Have I considered the areas of physical health and wellbeing in the AEDC and what the different aspects of physical health and wellbeing might tell me about my community?
- What do I know about the community that can help me understand children's physical health and wellbeing?
- What opportunities do children in my community have to play outdoors?
- Why are children missing out on opportunities to play?
- Do parents facing hardship have access to services and supports and are these sufficient?

Reflecting on AEDC data supports educators to be responsive to the needs and contexts of children in the community.



How does the AEDC support you to identify what is impacting on children's physical health and wellbeing in the local community?



How is AEDC data used to facilitate whole of staff discussions about supporting the development of children's physical development?

AEDC data acts as a starting point for developing an understanding of community needs to inform educational planning.



How is the development of physical independence supported and celebrated in practice?

NQS

▪ **Quality area 1**
(Educational program and practice)

▪ **Quality area 2**
(Children's health and safety)

▪ **Quality area 3**
(Physical environment)

▪ **Quality area 6**
(Collaborative partnership with families and communities)

- **Standard for Principals:**
- Leading teaching and learning
 - Leading improvement, innovation and change
 - Leading the management of the school
 - Engaging and working with the community

- **Standards for Teachers:**
- Standard 1
 - Standard 2
 - Standard 3
 - Standard 5
 - Standard 6
 - Standard 7

AITSL

Analysis of AEDC data helps educators reflect on alignment between their professional practices and the needs of children.



What are the opportunities to share data and collaborate with the community to support the physical health and wellbeing of children?



How is children's development of physical independence supported and encouraged?

EYLF

▪ **Outcome 1**
(Children have a strong sense of identity)

▪ **Outcome 3**
(Children have a strong sense of wellbeing)

- **Health and Physical Education Curriculum**
- Movement and physical activity

Curriculum

AEDC data can be used to ensure curriculum delivery is aligned to the developmental needs of children.



Does children's physical health and wellbeing data indicate a need to develop connections in communities to support families in providing for their children?



How is information about factors impacting on children's physical health and wellbeing integrated into curriculum decision making, teaching and learning?

THIS DOMAIN MEASURES

Readiness for the school day

Gross motor skills

Physical Health and Wellbeing

Fine motor skills

Self-care and personal hygiene

Strategies to support children and families

Educators and leaders can support the development of children's physical health and wellbeing in their settings, and they should also work in partnership with families and communities to support children. Consider how you can support children's physical development:

In the education environment

- Provide opportunities for physical movement/play/strength building throughout the day
- Provide opportunities for physical practice in relation to early childhood curriculum
- Provide opportunities to develop dexterity
- Consider how you could extend physical learning through connecting with local culture (e.g. dance or engagement with the natural environment)
- Encourage physical independence and encourage and support children's attempts
- Create opportunities to practice healthy life habits
- Share your data with the whole of staff, school boards and parent leaders
- Partner with Aboriginal and Islander Education Officers where appropriate

In partnership with families

- Discuss physical health and independence with families
- Connect families with support services in the community
- Plan in partnership for children's physical independence

In the community

- Share your data with the community
- Connect with services and supports to talk about what is happening for families
- Invite people into your setting to learn about what you do and to learn about what they do
- Set shared goals for children



Key partners in your community

Consider where you can develop partnerships in your community to support children's physical development and wellbeing.

- Playgroups
- Child and Parent Centres
- Early education and care
- Schools
- Local Aboriginal organisations
- Occupational Therapists
- Child health centres / Parent health centres
- Nature Play
- Maternal child health services
- Mental health / Psychological services / Child and adolescent mental health services
- Drug and alcohol services
- Domestic violence services / women's shelters
- Community Services Sector organisations such as Save the Children, The Smith Family, Anglicare and Mission Australia

Links to more information

To learn more about children's physical development and wellbeing and how you can foster this in your setting, visit:

Raising Children Network

The Raising Children website offers up-to-date, research-based material on more than 800 topics spanning child development, behaviour, health, nutrition and fitness, play and learning, connecting and communicating, school and education, entertainment and technology, sleep and safety. Available at www.raisingchildren.net.au

SNAICC

A national non-governmental peak body representing the interests of Aboriginal and Torres Strait Islander children. Resources, news and events, research and policy briefs available from www.snaicc.org.au/

Early Childhood Australia

Fact sheets and information on a range of topics including communication skills and general knowledge. Available from www.earlychildhoodaustralia.org.au

What Works for Kids

Australia's first searchable online database and networking site for researchers, practitioners and policy-makers working to improve the wellbeing of children and youth, aged 0–24 years. Available from www.whatworksforkids.org.au

Risk, protection and resilience in children and families

This Research to Practice Note aims to improve understanding of risk, protection and resilience in working with children and families and provides a brief overview of the relevant literature in this area. Available at: www.community.nsw.gov.au/__data/assets/pdf_file/0018/321633/researchnotes_resilience.pdf

Relevant research

Dudley, D.A., Cotton, W.G. & Peralta (2015). Teaching approaches and strategies that promote healthy eating in primary school children: A systematic review and meta-analysis. *International Journal of Behavioural Nutrition*, 12(1), 28-61.

Grissmer, D., Grimm, K.J., Aiyer, S.M., Murrah, W.M. & Steele, J.S. (2010). Fine motor skills and early comprehension of the world: Two new school readiness indicators. *Developmental Psychology*, 46(5), 1008-1017.

Reynolds, A.J., Brandt, A.R., Hayakawa, M., Englund, M.M. & Ou, S-R. (2016). Multi-site expansion of an early childhood intervention and school readiness. *Pediatrics*, 138(1)

Tandon, P.S., Trovar, A., Jayasuriya, A.T., Welker, E., Schober, D.J., Copeland, K., Dev, D.A., Murriel, A.L., Amso, D. & Ward, D.S. (2016). The relationship between physical activity and diet and young children's cognitive development: A systematic review. *Preventive Medicine Reports*, 3, 379-390.

The Australian Government is working with State and Territory Governments to implement the Australian Early Development Census (AEDC). Since 2002, the Australian Government has worked in partnership with eminent child health research institutes: the Centre for Community Child Health; Royal Children's Hospital, Melbourne; and the Telethon Kids Institute, Perth, to deliver the AEDC to communities nationwide.

Find out more at www.aedc.gov.au and www.education.wa.edu.au/aedc-resources

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