





Collective trauma

- It is also important to understand the impacts of collective trauma as opposed to individual trauma.
- Research demonstrates that significant events that impact whole communities can lead to community breakdown.
- Disconnection from country, culture, family and community have had a devastating impact on Aboriginal and Torres Strait Islander health and wellbeing.
- As a result many communities prefer to engage in collective healing responses rather than individual treatment interventions.

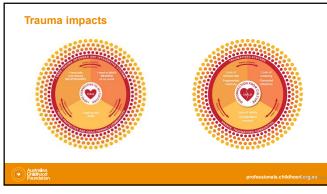
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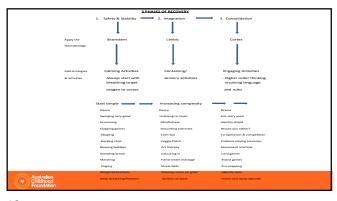
Collective regulation and safety

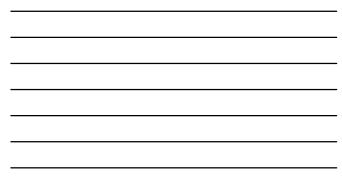
Given that communities often experience distress collectively, community healing initiatives are critical to creating real change. A faiture to tailor healing efforts at the community level will see families continue to live in vulnerability without the strength of a healthy community to assist them.



















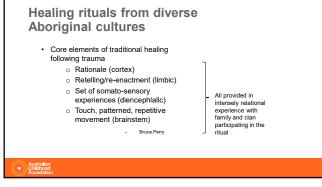


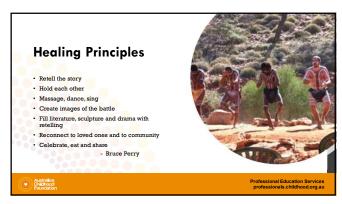








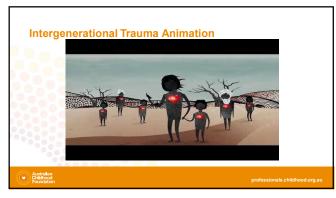




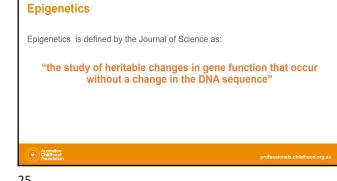


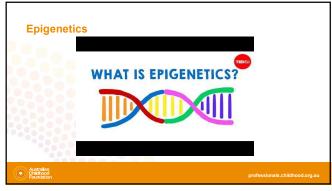


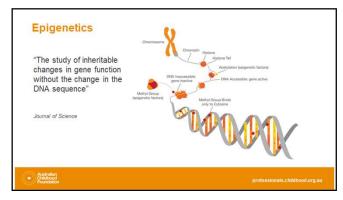






















Child development

- We become who we are as a result of a mix of genetics and experience
- Each developmental stage has particular things that we expect to see - physically, how we think, what we can do and how we are in relationships with other people and ourselves
- At each developmental stage we face developmental tasks that require the support of our parents and/or carers
- Delays in one area can affect our ability to consolidate skills and progress to the next developmental stage

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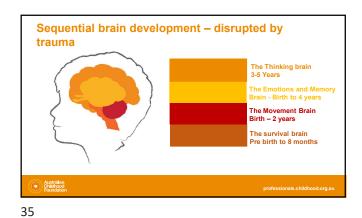
Child development

Using the child development and trauma guide:

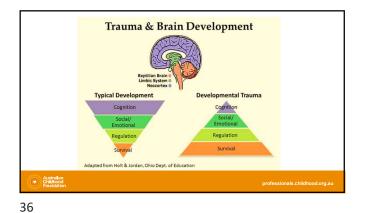
- Discuss the allocated developmental stage in your group
- Provide an overview of normal development for the allocated stage
- What might you notice in the allocated stage that you see in the children and young people in youth justice?
- Was there any new learning or anything that surprised you?
- Did you notice any mismatch between the tasks of the allocated stage and the expectations placed on children of that age?

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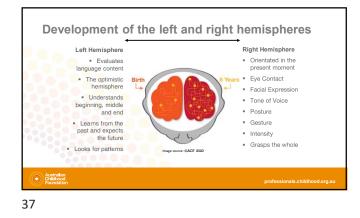
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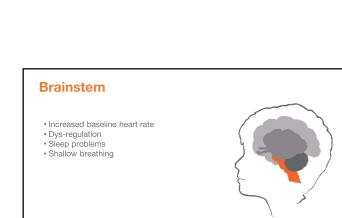














Superior Colliculus

- Involved in detecting threat visual detection and recognition of threat stimuli – usually overactive in children who have experienced trauma.
- Activates approach and avoidance mechanisms.
- This may present as hypervigilant behaviours including excessive eye darting, flinching when someone approaches, attention focussed on perceived threat.

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Cerebellum

Children who experience trauma around the time the cerebellum is developing can present with an array of developmental delays:

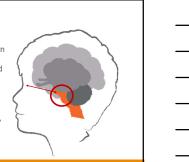
- poor motor control and coordination · clumsiness,
- poor language development
 delayed in achieving gross and fine motor milestones.

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Diencephalon: Thalamus and Hypothalamus

- The thalamus has 2 possible routes: The high road: When there is no fear or harm detected, information gets sent on up to the common sense part of our brain, the cortex.
- The low road: If there is harm detected, the information gets sent in a flash to our amygdala and a survival response kicks in activating the hypothalamus. • Hypothalamus initiates cortisol and adrenaline
- which activates the fight fight, run or freeze
- Children who have trauma often take the *low* road as a default nervous system response









Limbic Lobe

Children who experience trauma usually experience dysregulation and interrupted attachment relationships. This impacts their ability to:

- engage in relationships with others
 Self regulation
 Social learning understand social cues, develop empathy for others

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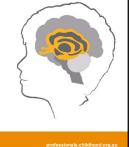
Hippocampus - Brain's historian

- Cortisol is toxic to the hippocampusHippocampus can be up to 25% smaller
- This impacts ability to store memories, thus explicit memories are often fragmented or
- difficult to retrieve as working memory. Traumatic memories are held implicitly so not processed and stored by the hippocampus or
- This impacts on learning and development of a coherent narrative of the child's life experience and story.

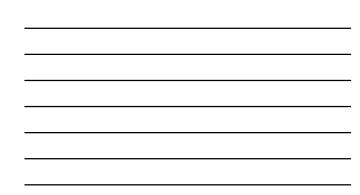
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Amygdala – smoke alarm

- Smoke detector amygdala in trauma remains switched on or underactive
- Amygdala learns by association trauma is usually produces sensory based implicit
- memory. Amygdala will attach meaning to sensory input that's associated with the traumatic experience.







Cortex – higher order thinking

- Cortical function is diminished or goes 'offline' as the brain directs its energy to survival processes.
- This impacts on various cognitive functions from memory recall, top down regulation and delayed speech and language processing.
- Impacting on children's capacity to form a narrative of their experiences.



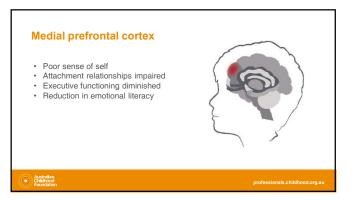
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The prefrontal cortex-executive function

- Diminished executive function ability to problem solve and think abstractly
- Forward planning and comprehension of consequences diminished
- Higher risk taking with poor impulse control







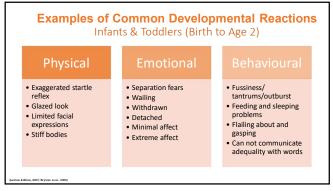
Corpus collosum

- Smaller in children with trauma
- Poor neuronal connection between hemispheres
- Diminishes capacity for integration of emotional experiences – language to emotion
- Poor coordination of midline
 processes

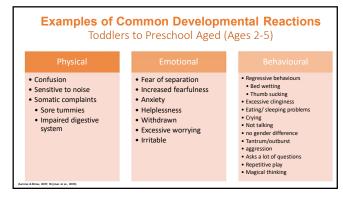


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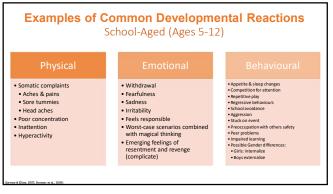
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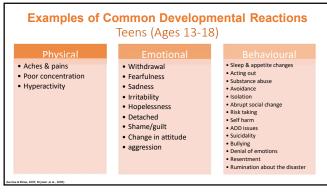












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Pathways to safety and integration

- Integration is always present when you have regulation
- Integration in relationships involves attuned communication among people who are honored for their differences and then linked together to become 'we'
- "If you name it, you contain it" because this integrates two systems
 "If it's sharable, it's bearable"
- "Mention and manage your emotions" Siegel
- Integration is health

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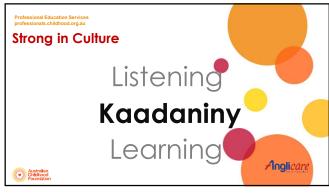
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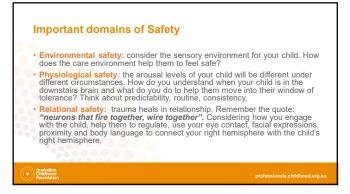




Deep Listening

- With listening comes responsibility, it forces us to to listen to ourselves. We need to enter our own deep listening. Judy Atikinson
- Creating safety is ongoing, safety is never stable
- Insert dadirri

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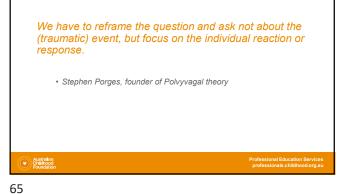




Safety is the Treatment

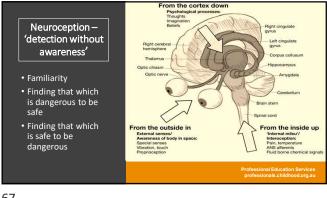
- We are constantly signalling to each other messages of safety or lack of safety.
 Below the conscious awareness
- If we have a neuroception of safety we are able to connect and co-regulate.
- Open, nonjugemental, recptive state invites neuroception of safety.
- Are you with me?

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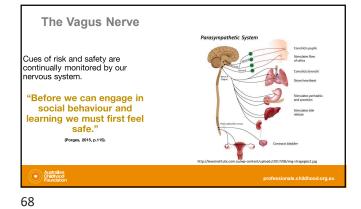


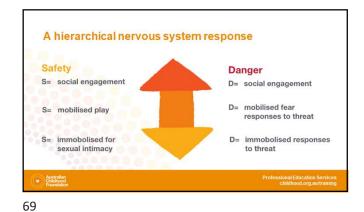




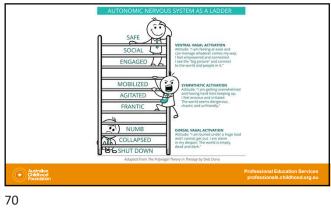




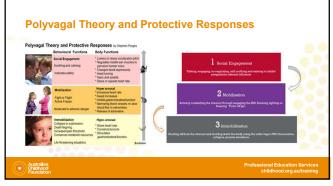
















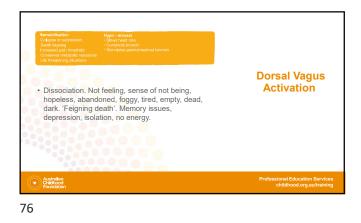




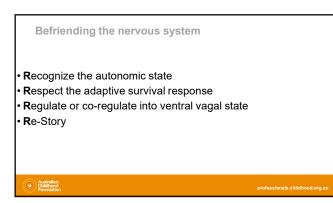


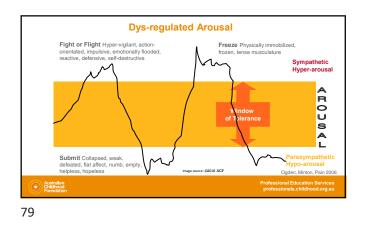




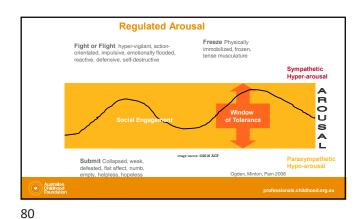




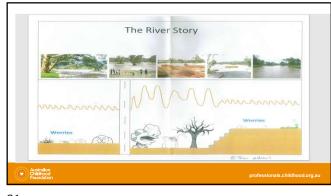


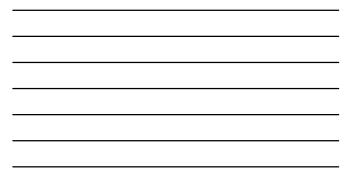


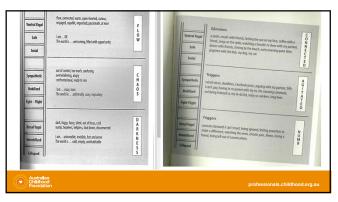


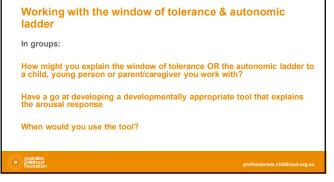








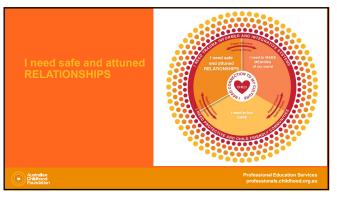








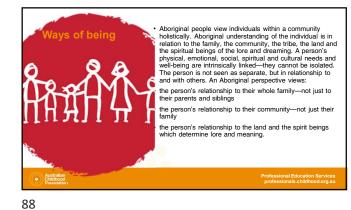


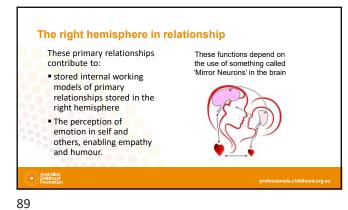


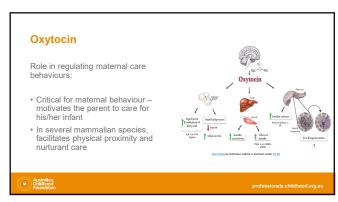
Relationship • Physical /sensory : awareness of tone, prosody, body language, proximity • Human/relational : attuned, predictable, responsive, calm and engaging approach; • System/organisational : consistency of staff; boundaries around relationship

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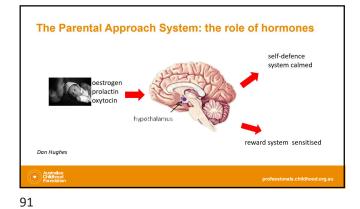
















The role of Dopamine in mother-infant bonding

'A study group investigated the role of dopamine in mother-infant bonding and found that both mother-infant vocalization synchrony and maternal attunement were associated with higher dopamine concentration in brain structures connected to bonding' bonding'.





The role of father-infant bonding in internalisation of self

The ACG lights up in infant-mother face recognition. Role in calming of fear and social reward.

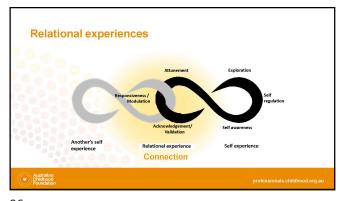
The mPFC lights up in infant-father face recognition. Role in internalisation of sense of self and identity.

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00	Positive internal working model	Negative internal working mod
View of self	I am lovable	I am unlovable
	I am worthy	I am unworthy
View of the world and	Others are responsive	Others are unavailable
relationships	Others are loving	Others are neglectful
Others are interested in me		Others are rejecting
	Others are available to me	Others are unresponsive
	The world is relatively safe	The world is unsafe

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Blocked care

- Blocked care is a way of describing the suppression of carers' potential to nurture a child, especially if the child is slow to reciprocate warmth and love.
- Unmanageable stress associated with the experience of parenting, and often related to the parent's own attachment history, is the primary source of interference with caregiving.



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Blocked trust

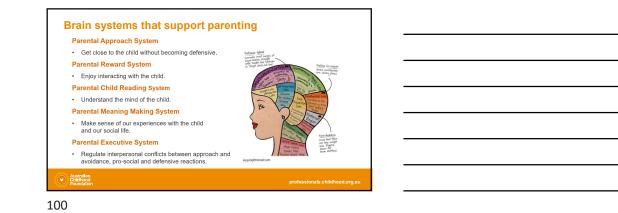
- Blocked trust is a way of describing the suppression of childs' potential to trust a nurturing adult, even if the adult can demonstrate relational safety.
- Unmanageable stress associated with the experience of abuse, is the primary source of interference with carereceiving.



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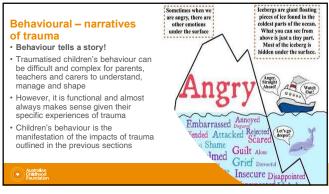
Narrative – Our story

- Most of us would see a narrative as a story
- We all carry stories of understanding of ourselves with us throughout life. These stories become the lens through which we view the world.
- The manifestation of these narratives are the behaviours we see.
- How do we look beyond the behaviour to see the narrative beneath it?

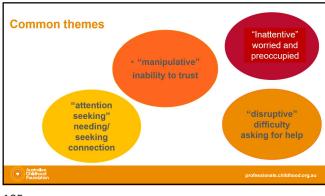
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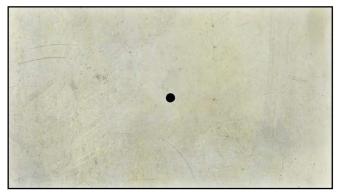


























Relationship based strategies

- Encouraging safe, enriching, positive relationships with others and the broader community (for both tutors and families)
 The importance of a charismatic other
- Be empathetic of trauma history, triggers, needs, desires
- Encourage parents to repair when there has been rupture- time in
- Understanding that all behavior has a meaning Interventions which enhance parental reflective functioning

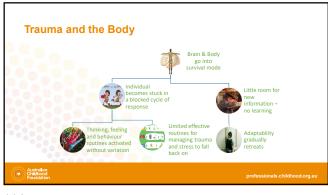




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ed capacity to understand or enable them to self-regulate.
m the capacity to regulate
interoception activities into







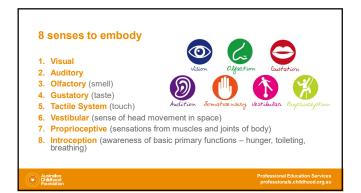
Using interoceptive and sensory strategies

Research and clinical experience suggest the efficacy of individually combining interoceptive awareness, sensory processing, behavioral (Khalsa et al., 2018) and trauma-informed treatment (Warner et al., 2014).

The need to merge sensory integration with interoceptive awareness intervention is supported by emerging clinical evidence demonstrating the effectiveness of sensory integration interventions in PTSD (Warmer et al., 2014) and its recent inclusion as an evidence-based treatment for Autism Spectrum Disorder.

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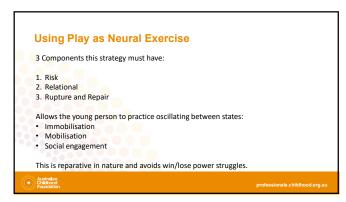
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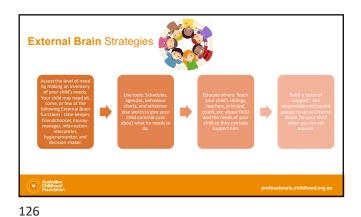














Caring for ourselves

- · Working with traumatised children and families is hard work and can lead to us experiencing vicarious trauma
- This work can challenge our sense of self, beliefs about the world and our core values
- Neurobiologically, we cannot co-regulate others if we cannot regulate ourselves
- Caring for ourselves is an essential part of our work



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for the children, young people and families you work with?

> for your community?







References

Australian Childhood Foundation (2010). Making Space for Learning: Trauma informed practice in schools Baylin, J. & Hughes, D.A. (2016). The neurobiology of attachment-focused therapy. New York: W.W. Norton Company.

Bayini, J. & Hughes, D.A. (2016). Ine neurobiology of attachment-focused therapy. New York: WW Norton Company. Bombér, L. M., & Hughes, D. A. (2013). Settling to learn: Settling troubled pupils to learn: Why relationships matter in school. Worth Publishing. Golding, K., Turner, M., Worrall, H., Cadman, A., & Roberts, J. (2016). Observing Adolescents with Attachment Difficulties in Educational Settings: A Tool for Identifying and Supporting Emotional and Social Difficulties in Young People Aged 11-16. Jessica Kingsley Publishers.

Porges, S. W. (2015). Making the World Safe for our Children: Down-regulating Defence and Up-regulating Social Engagement to 'Optimise' the Human Experience. *Children Australia*, 40(02), 114-123.

Porges, S. (2012). Understanding Polyvagai Theory: Emotion, Attachment and Self-Regulation [Video file]. Psychotherapy Networker. Retrieved July 2, 2016, from Counselling and Therapy in Video: Volume III. Seigel, D. & Bryson, (2012). T. The whole-brain child. Brunswick: Scribe Publications Pty Ltd

van der Kolk, B. (2015). The body keeps the score: Brain, mind, and body in the healing of trauma. Penguin: New York