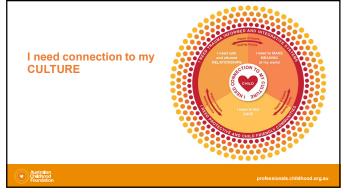
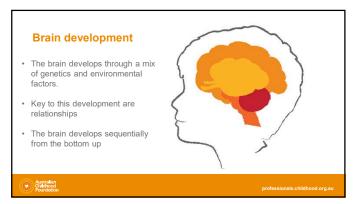


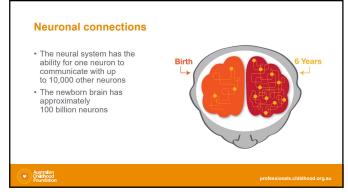
Learning objectives Neurobiology of trauma Safety in the context of understanding and working with children in a trauma informed framework Creating safe environments Understanding self regulation The role of self care

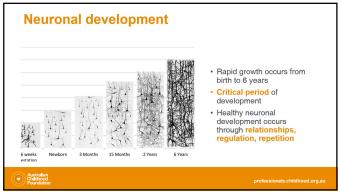


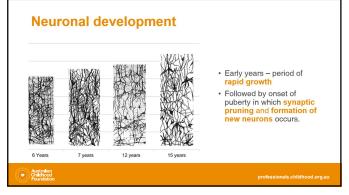


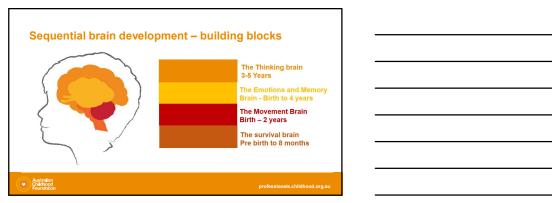
The Importance of Culture A protective factor Safety: Belonging Relationships: Connection Meaning making: identity Our culture influences our brain development. How has it influenced yours? Think about: Sense of safety Relationships Relationships Meaning making Area of the control of t











Infancy -0-12 months • Critical functions being organised • Regulation of • - arousal, • - sleep, • - fear states

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Brainstem - basic life functions

- Basic life functions
- First part of our brain to develop
- This is the most developed brain part at birth
- Responsible for our heart beat, breathing, sucking, temperature control, blood pressure



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Superior Colliculus

- Processes visual threats looming objects identified by cells in the retina of the eye
- Retinal neuronal input received by Superior Colliculus which engages the body in Avoidance and defensive behaviours



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Cerebellum- movement and balance

- Helps us to know where our body is in space
- Helps us with our posture and balance
- Helps us not to fall over and to control our movements
- Has its own connective pathways between the 2 halves- cerebellar vermis



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Infancy-0-12 months

Primary developmental goal:

- State regulation
- Primary attachmentFlexible stress response
- Resilience



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Diencephalon - sorting & sending centre

- This area of the brain develops mainly after birth
- It sorts out messages coming into the brain and sends them
- It uses hormones to send signals to body
- Hormonal signals tell your body what it needs, eg. food, water, love



Early Childhood- 1-3 Years Critical functions being oranised: Integration of multiple sensory inputs Fine motor control Emotional states Social language; interpretation of nonverbal information

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Limbic lobe- emotional gateway

- The part of the brain that helps us attach an emotion to an experience or memory
- This part of the brain is particularly involved with the emotions of fear and anger
- Also heavily involved in attachment processes
- This area develops mainly after birth



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Hippocampus – Brain's historian

- Explicit memory system
- Develops approximately 2-3 years of age
- Provides context to memory and embeds long term memory



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Amygdala – smoke alarm

- · Detects threat
- · Develops from birth
- · Learns by association
- Involved in implicit memory processes



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Cerebral cortex- complex thinking

- The largest part of the brain
- Associated with higher brain function such as thought and action
- Examples of functions:
 - Reasoning
 - Logic
 - Judgement
 - Voluntary movement



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The prefrontal cortex- executive function

- Responsible for executive functions, such as judgement, reasoning, and self awareness
- Final part of the brain to reach maturity in one's mid 20s
- Under reconstruction in adolescents from the age of approximately 12 years



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Medial prefrontal cortex

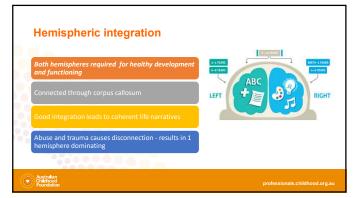
- Associated with perceptions of self and similar others
- Known as centre for mindfulness
- Involved in maternal bonding the parent child dyad and inter-subjectivity



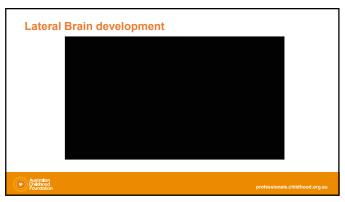
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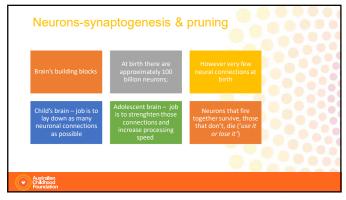
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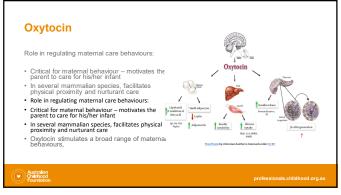


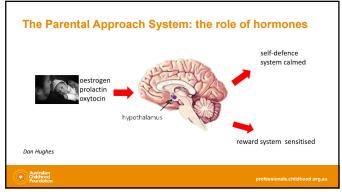
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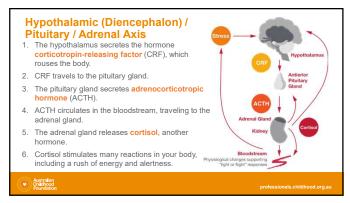






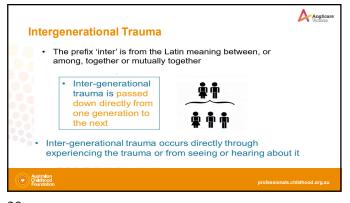


A neurotransmitter - plays a big part in motivation and reward • 'Feel good' hormone – nearly all pleasurable experiences come from a release of dopamine – eating, sex, etc This has by the transfer of the control of the control

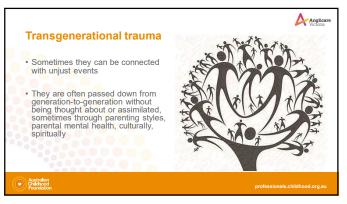


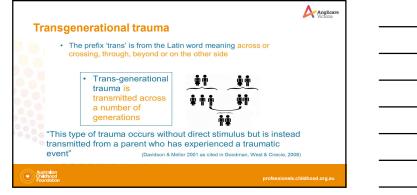


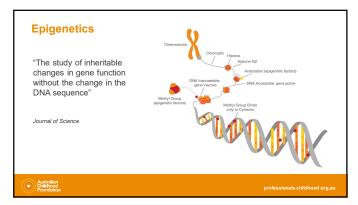




Trans-generational trauma Trans-generational trauma Trans-generational transmissions are not spoken about They can be secrets; unspoken, kept quiet, hidden events which are sometimes banned even from thought – sometimes unthinkable. They can inhabit a descendant following a traumatic experience.











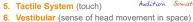






Sensory responses

- 1. Visual
- 2. Auditory
- 3. Olfactory (smell)
- 4. Gustatory (taste)



- 7. Proprioceptive (sensations from muscles and joints of body)
- 8. Introception (awareness of basic primary functions hunger, toileting, breathing)

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Summary of the impact of developmental trauma

- Fear: Sensitized to danger leading to distrust of others.
- rear: -estisuzed to danger leading to isotrate or oriens.

 Hyper-vigiliance: External scan for danger, anticipate abandonment or attack. Internal lam bad, wrong. No spare energy for anything else. See danger where it doesn't exist. React to imagined dangers in ways that bring about situations that are feared.

 Identity develops around shame. Distorts experience of self and others. Feel flawed as humán being. Experience of badness can be kept out of consciousness because too painful to live with. Create barriers to relationships so others can't see what we see in self. Increases feelings of shame, isolation and breilness.

- Sea. Indicases enemys of sname, solation and orientess.

 Security of attachment is compromised.

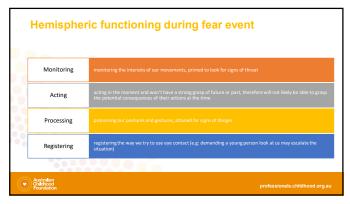
 Safety is destroyed and developmental attachment patterns become disorganized.

 Intersubjective explorations are reduced and avoided. They don't have the experiences that enable them to develop core beliefs or an internal working model that they are delightful, lovable and have a positive impact on the people around them.
- Traumatic events are not explored and experienced in an integrative, coherent, intersubjective manner. They are not assimilated into the autobiographical narrative.
- Traumatic events can create dissociation, as can subsequent memories or trigger such events, thus causing rigid avoidance or "re-traumatization".

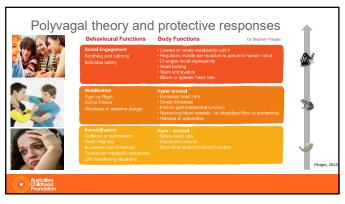


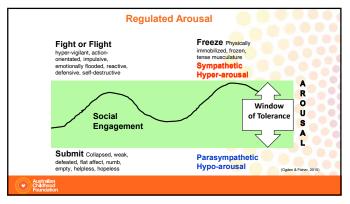
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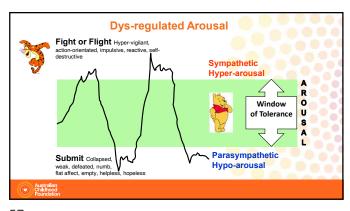


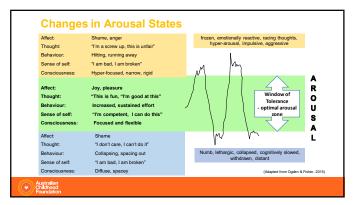


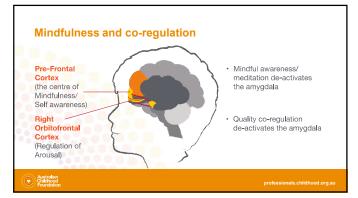




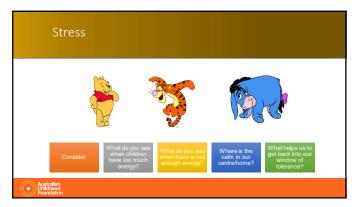






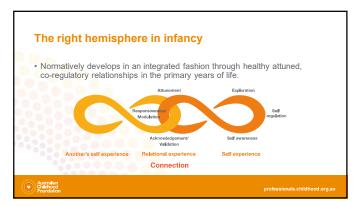


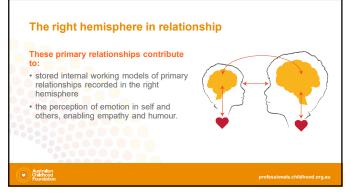


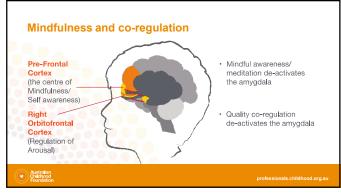












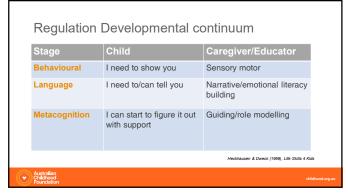
A young person's corticol capacity is impaired by trauma-as a result subcortical functioning becomes dysregulated In order to regain cortical capacity, essential for learning, we must restore emotional regulation. How do we create: Regulation (calm) Engagement Connection Control





	What is r	needed				
	Choose three words that describe what you believe is essential for a safety and choose three words that are not helpful in your role and creating safety. Add your own words as they come to mind.					
	safe authentic flexible serious detailed pattern sensory noisy retreat confident					privacy I freedom
	calmness	soft colours	bright colo	urs usua	ally noisy	disorder
	messy outside	space movement	fun	windows	artwork	views
	concealed	secluded	legroom	breathing	space playf	ul shapes
	special	realm	soft			
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Key considerations

- There is no magic wand!
- It takes time and patience: persistence and repetition is a must
- You matter in this work!
- Your relationship with the child is key
- Each child is individual which adds to the complexity
- Trial and error is common
- A titrated approach is important



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Environment

- Children relate to space in a manner which articulates their own sense of safety and their psychological states.
- The manipulation of non-fixed physical features can be used to communicate safety, messages and psychological issues or states, which can be used to derive safety, empowerment and sense of agency.
- A natural mind-space, a natural, physical space which is accessed visually and occupied only by the mind.

"I've never been asked if I would like to rearrange stuff. That would be so empowering and especially if their arrangement is how I would feel the most







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Expectations

- Children, young people and parents need to have a greater sense of confidence about your capacity to protect them
- Staff require increased knowledge, confidence and skills to implement child safe practices in their work.
- Clear understanding of personal behavioural expectations are established in effectively guiding interactions with children
- Have tools in place to capture and reflect the child's voice.



Respect diversity in cultures and child rearing practices while keeping child safety paramount

Respecting diversity should be taken to mean 'having the same aims for people's wellbeing and safety but findings different ways to achieve them' that are more appropriate to the person's different perspective.

Being child-safe respects cultural difference:

- thinks about safety and wellbeing concepts from a cultural perspective
- takes steps to develop cultural competence to respond in a culturally appropriate manner
- takes guidance from experienced others (for example, seek advice from recognised Aboriginal or Torres Strait Islander organisations in regards to the needs of children from these backgrounds), and
- approach family cultural contexts with sensitivity.

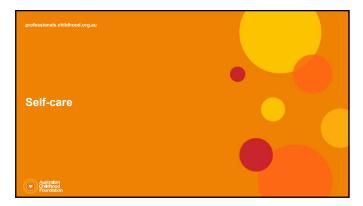
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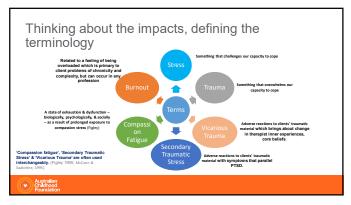
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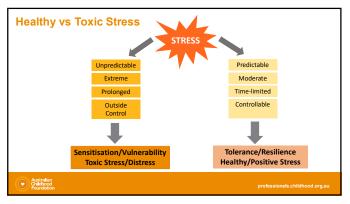
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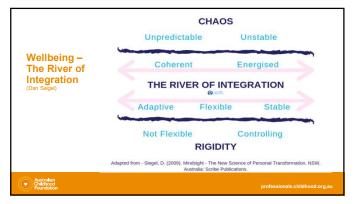






Vicarious Trauma - Possible indicators Multidimensional: Physical Sensory Sensory Emotional Cognitive Relational Relational Not all indicators in isolation will determine vicarious trauma. However, experienced collectively, these can have a significant impact on the individual, the team and organisation.





Importance of supervision Compared to case conferences, one-on-one supervision better supports the critical reasoning required for child safety (Munro 1999) Reflective regular supervision promotes staff well-being Reduces staff turnover Identify specific and ongoing training Formal and informal supervision provide space and permission for workers for workers to reflect on emotional responses to the work Peer supervision and support enable the reduction of isolation, promotes safety and develops greater transparency to identify risk and opportunity Models of supervision

Prevention: Personal level

- Maintaining self care and prioritising healthy lifestyle/personal wellbeing
- Life outside of work incorporates: social, relaxing, spiritual, fun aspects
- Supportive and healthy relationships
- Work-life balance : maintaining healthy boundaries
- Personal & professional values align with the work
- Personal wellbeing plans are well-integrated & effective



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The effectiveness of interventions to reduce psychological harm from traumatic events among children and adolescents', American Journal of Preventive Medicine, 35 (1) 287-313.

