

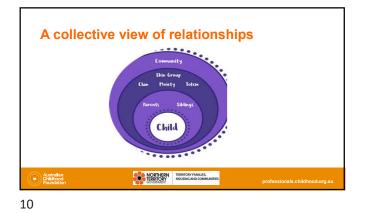
#### Context of Northern Territory

- Over 50% of Aboriginal children in the NT have been the subject of a notification to child protection by the age of ten
- In 2016, 75.2% of Aboriginal children who were found guilty of an offence in the NT had previously been reported to child protection
- Aboriginal Territorians make up 88% of the NT's homeless population
   Suicide rates in the NT for children aged 5-17 years are over
- three times higher than in any other jurisdiction. • 81% of all homelessness in the NT is caused by overcrowding
- Research indicates that the majority of incarcerated Aboriginal women are mothers.

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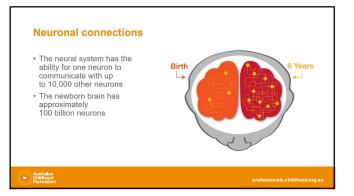

## Brain development

 The brain develops through a mix of genetics and environmental factors.

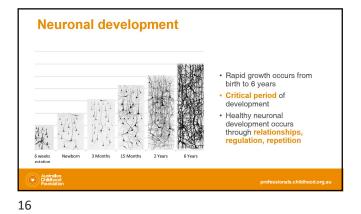


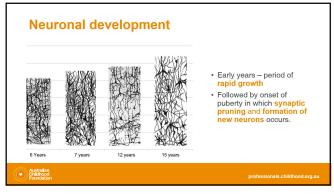




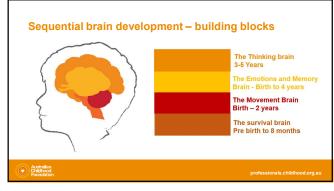
















#### **Brainstem - basic life functions**

- 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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# 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



## Infancy-0-12 months

Primary developmental goal: • State regulation • Primary attachment • Flexible stress response • Resilience



# 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





### 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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#### Amygdala – smoke alarm

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

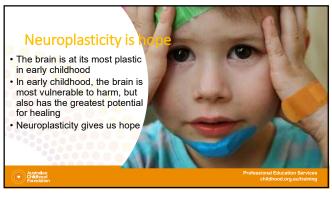
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#### Hippocampus – Brain's historian

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





#### **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



#### 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



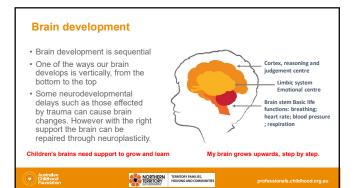
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#### Medial prefrontal cortex

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















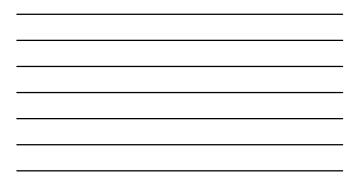




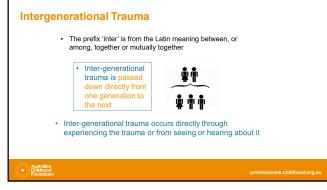












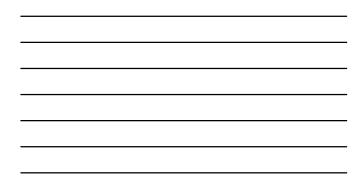


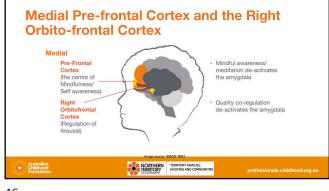














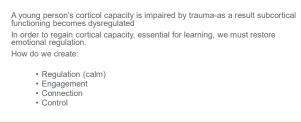




	Behavioural Functions	Body Functions by Stephen Porges
	Social Engagement Soothing and calming Indicates safety	Lowers or raises vocalisation pitch     Regulates middle ear muscles to perceive human voice     Changes facile expressivity     Head turning     Tears and eyelds     Slows or speeds heart rate
	<b>Mobilisation</b> Fight or Flight Active Freeze Moderate or extreme danger	Hyper arousal - Increases hear rate - Swaat increases - Inhibits gastrointestinaf function - Narrowing blood vessels - to slowblood flow to extremities - Release of adrenatine
	Immobilisation Collapse or submission Death feigning Increased pain threshold Conserves metabolic resources Life threatening situations	Hypo - arousal - Slows heart rate - Constricts bronchi - Stimulates gastrointestinal function
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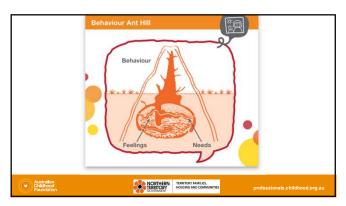
#### **Creating Safety**



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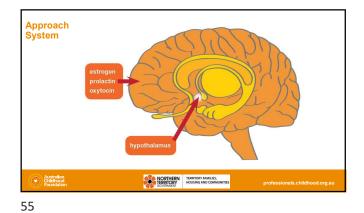






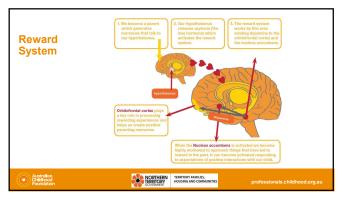






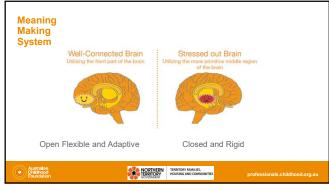




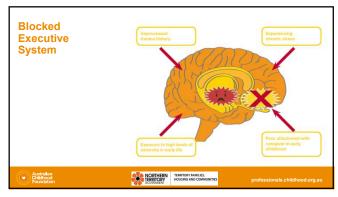




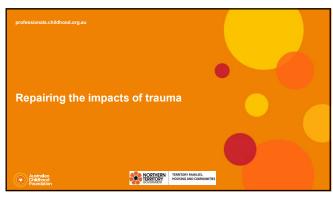



















## **PACE Helps** · The social engagement system come online Connect the prefrontal cortex (thinking brain) to the lower regions of the brain (emotional and survival brain)

- Calm the threat sensing amygdala by sending a message of safety.
  Connect children and their caregivers

- Aid the growth of regulation skills.
   Build the ability to reflect
   Develops the child make meaning of themselves, their stories and
- PACE uses all 5 parent brain systems (approach, reward, child reading, meaning making and executive)

NORTHERN TERRITORY TERRITORY FAMILIES, HOUSING AND COMMU



# Being child safety paramount Being 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 'hat 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 Aborginal or Tornes Strait Islander organisations in regards to the needs of children from these backgrounds), and • approach family cultural contexts with sensitivity.

Poli Rattoli
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#### Impact of working with trauma

Signs and symptoms

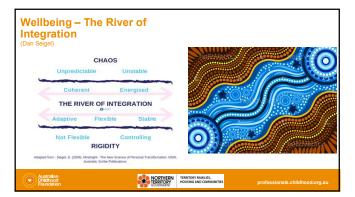
How this might look at work:

- Decreased communication- staff putting notes up to advise of things
   Decreased ability to accept change or adapt- holding information
   Decreased ability to try new things/explore
   Increased sick days, late to work
   Decreased focus on tasks
   Memory issues

- Memory issues
   Avoidance working with traumatic material

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# 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

TERRITORY GOVERNMENT

#### **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 relationshipsWork-life balance : maintaining healthy boundaries
- Personal & professional values align with the work
- Personal wellbeing plans are well-integrated & effective



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Thank you for coming today		
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