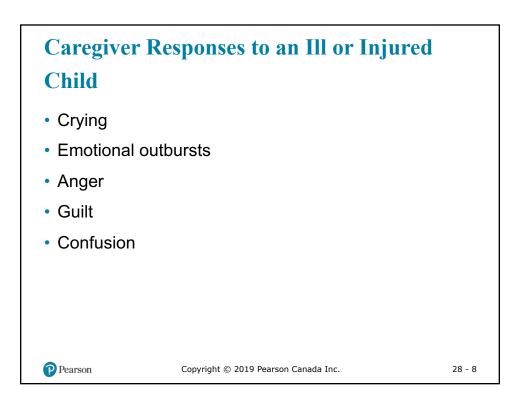
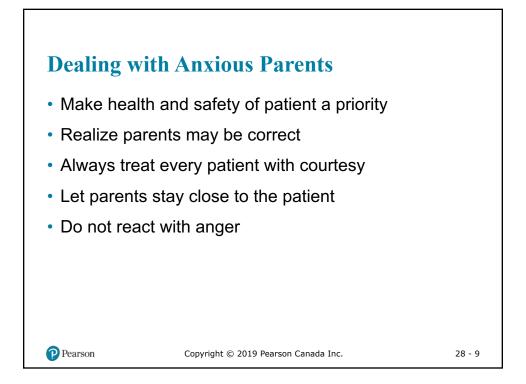
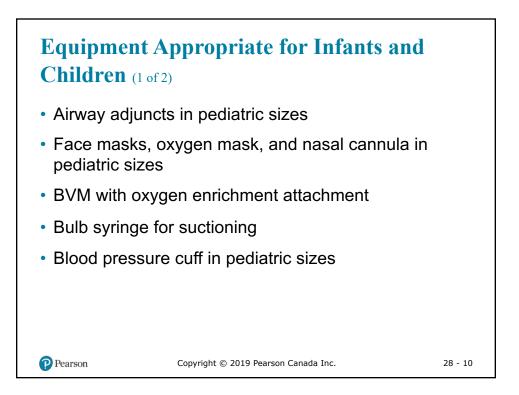


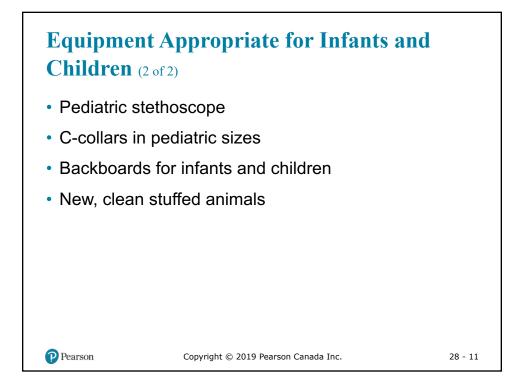
Table 28–1 Childhood Development by Age				
Common Term	Age	Characteristics and Behaviours		
Infant	Birth to 1 year	Knows the voices and faces of parents May cry to indicate hunger, discomfort, or pain Will want to be held by a parent or caregiver Has difficulty identifying the precise location of an injury or source of pain		
Toddler	1–3 years old	Very curious at this age, so possibility of poison ingestion May be distrustful and uncooperative Usually does not understand what is happening, which raises level of fear May be very concerned about being separated from parents or caregivers May be helpful to use a stuffed toy in gaining trust		

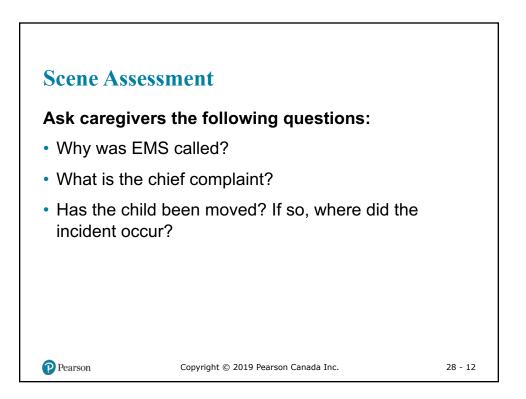
Stages and Ages (2 of 2) Table 28–1 Continued			
Common Term	Age	Characteristics and Behaviours	
Preschooler	3–5 years old	Able to talk, but still may not understand what is being said him or her; use simple words May be scared and believe what is happening is his or her fault Sight of blood may intensify response; sometimes a bandag helps	
School age	6–12 years old	Should cooperate and be willing to follow the lead of parent: and EMS provider Has active imagination and thoughts about death Continual reassurance is important	
Adolescent	13–18 years old	Acts like adult Able to provide accurate information Modesty is important Has fears of permanent scarring or deformity May become involved in mass hysteria; be tolerant and do r get caught up in it	

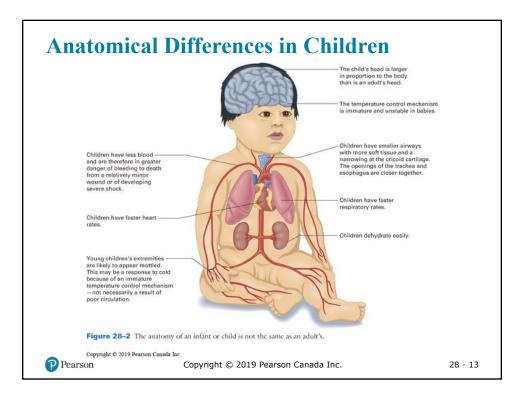


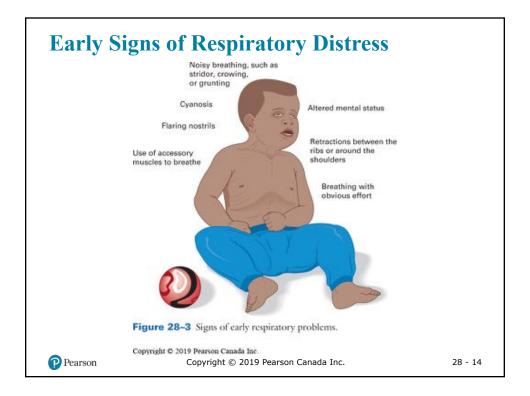












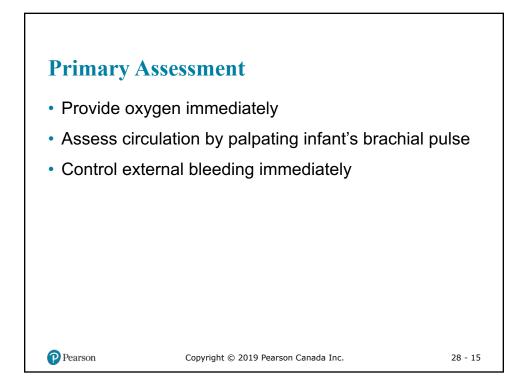
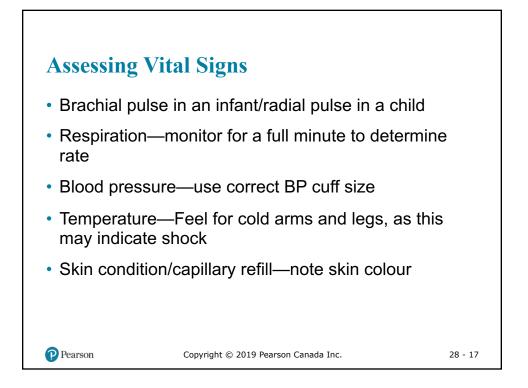


Table 28–2 Normal	Vital	Signs	for	Infants
and Children				

		Weight	Pulse		Average Blo	od Pressure
Age	(lbs.)	(kg)	(average)	Respirations	Systolic	Diastolic
1–28 days	7.4	3.4	94–145 (125)	30–60	80	46
3 months	12.5	5.7	110–140 (120)	24–35	89	50
6 months	16.5	7.4	100–140 (120)	24–35	89	55
1 year	22.0	10.0	98–160 (120)	20–30	89	60
2 years	27.0	12.4	90–140 (110)	20–30	96	62
3 years	31.0	14.5	80–120 (100)	20–30	96	64
4 years	33.6	16.5	65–132 (100)	12–26	96	65
5 years	41.0	19.0	80–110 (100)	12–26	96–98	66
6 years	47.0	21.5	75–100 (100)	12–25	96–98	70
10 years	71.0	32.3	70–110 (90)	12–21	110	74
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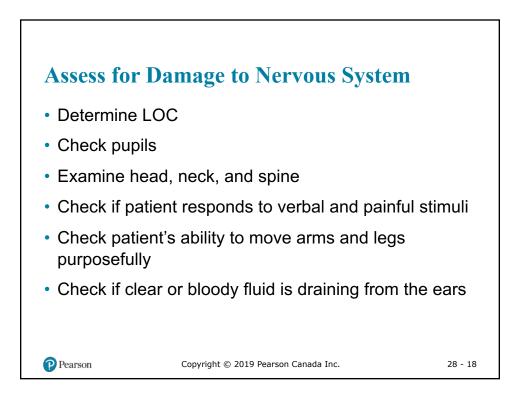


Table 28–3 Anatomical Differences BetweenInfants or Children and Adults (1 of 2)

Anatomical Differences	Impact on Assessment and Treatment
Larger tongue	Can block airway
Reduced size of airway	Can become easily blocked
Abundant secretions	Can block airway
Baby teeth	Can easily dislodge and block airway
Flat nose and face	Difficult to obtain good airway seal with face mask
Proportionally large head	Must maintain neutral position to keep airway open and in-line stabilization of head and neck
	Greater potential for heat loss and for head injuries in trauma cases
Soft spots on head	Bulging soft spots may indicate intracranial pressure; sunken ones may indicate dehydration
Thinner and softer brain tissue	Consider head injury more serious than in adults
Short neck	Difficult to stabilize and immobilize
Shorter and narrower trachea, with more flexible cartilage	Can close off trachea with overextension of the neck

Table 28–3 Anatomical Differences BetweenInfants or Children and Adults (2 of 2)

Anatomical Differences		Impact on Assessment and Treatment		
Faster respiratory rate		Muscles fatigue easily, which can lead to respiratory distress		
Primarily nose breathers (newborns)		Airway more easily blocked		
Abdominal muscles used to breathe		Difficult to evaluate breathing		
More flexible ribs		Lungs more easily damaged May be significant injuries without external signs		
Heart can sustain faster rate for longe	er period of time	Can compensate longer before showing signs of shock and usually decompensates more quickly than an adult		
More exposed spleen and liver		Significant abdominal injury more likely Abdomen more often a source of hidden injury		
Larger body surface		Prone to hypothermia		
Softer bones		Can easily bend and fracture		
Thinner skin		Consider burns to be more serious than in an adult		

