

Normal Physiology

Age	RR (/min)	HR (/min)	SBP (mmHG)
0-1 m	30-60	110-160	65-90
1-12 m	30-40	110-160	70-90
1-2 y	25-35	100-150	85-95
2-5 y	25-30	95-140	80-110
5-12 y	20-25	80-120	90-110
>12 y	15-20	60-100	100-120

Age	kg girls	cm girls	kg boys	cm boys
0 m	2.8-4.2	46-54	2.9-4.4	47-55
3 m	4.6-7	56-64	4.8-7.5	57-66
6 m	6-9.3	62-71	6.4-10	63-73
1 y	8-12	70-80	8.5-13	71-82
5 y	15-25	102-120	15.5-25	110-112
18 y	46-80	156-180	55-94	167-194

Age	1-2	2-4	4-6	6-8	8-10	10-12
W. gain (g/w)	175	150	125	100	75	50

W. (kg)	Fluids (ml/kg/24h)	A. (y)	ml/kg/hour
2-8	150	0-1	2-4
6-10	115-120	>1	1-2
0-10	100	▲ Urine / Oliguri ▼	
10-20	50	0-1	<1
>20	20	>1	<0.5

Normal Physiology

Months	Gross motor	Fine motor	Cogn. & Comm.
1-2	Lift head when prone	-	Smile in resp. to face/voice, visual pref. for human face
2-3	Head steady in sitting	-	-
3-4	Lift head & chest w. ext. arms	Grasps rattle	Sustain contact, displeasure if soc. contact broken, "aah, ngah"
5-6	Roll over	Transfer objects hand to hand	Monosyllabic babble
6-7	Sit with support	-	Polysyllabic babble, vowel sounds, enjoys mirrors
7-8	Sit without support, crawl	Thumb-finger grasp	Suspicious/afraid of strangers
9-10	Pull to standing pos, walk holding furniture	Pincer grip, bangs objects together.	Play peek-a-boo, wave bye-bye, respond to own name
12-18	Walk alone	Turn pages in book, scribble, build 2-cube tower	Speak a few words
4 yrs	Walk on a straight line, jump on one leg	Button clothes	Answer questions, understand prepositions

C-ABCDE

C Catastrophic bleeding / Cardiac arrest

A Airways

- | | |
|---------------------|------------------------------|
| Check airway | 1. Chin lift/Jaw thrust |
| Thorax movement | 2. Naso/Oropharyngeal airway |
| See, listen, feel | 3. Suction |
| Paradox. breathing? | 4. Laryngeal mask airway |
| Stridor? | 5. Intubation |
| | 6. Coniotomy |

B Breathing

- | | |
|------------------|------------------|
| Respiratory rate | 1. Oxygen |
| Thorax movement | 2. Ventilation |
| Auscultation | 3. Decompression |
| Cyanosis | 4. Chest tube |

C Circulation

- | | |
|-------------------------|--------------------------|
| Colour (Pale) | 1. Tilt bed |
| Cold/Sweaty | 2. Fluids (PVC, IO, CVC) |
| Pulse (Rad / Fem / Car) | 3. Vasoactive drugs |
| Abdomen/Pelvis | (Adrenalin IM) |

D Disability

- | | |
|---------------------|----------------|
| AVPU/GCS | 1. Support ABC |
| Pupils | 2. Glucose |
| Movement of extrem. | 3. Antidote |

E Exposure

- | | |
|------------------------|------------------|
| Check whole body | 1. Log roll |
| Prevent hypothermia | 2. Warm blankets |
| Prevent further injury | 3. Warm fluids |

SBAR

S Situation

Own name, title, and unit
Patients name, sex, and age
Patients social security / identification number
Describe situation briefly
I'm contacting you to...

B Background

Previous and current illness
Relevant medical history
Allergies
Contagiousness

A Assessment

A: Airway
B: Breathing, saturation
C: Heart rate, blood pressure
D: Consciousness, pain, oriented to time / place / person
E: Temperature, skin, colour, abdomen, urine production
Brief assessment

R Recommendation

Immediate action (Care, monitoring, transfer, treatment)
Further examinations (Radiology)
Time frame (How often...? How long...? Next contact...?)

Confirmation of communication
Questions / Agreement