

Agency for Clinical Innovation		Standard paediatric observation reference card								
Under 3 months			3–12 months		1–4 years		5–11 years		12 years and over	
Resp. rate (breaths per min)	30–55		30–45		20–40		20–30		15–20	
	25–29	56–65	25–29	46–55	41–50		15–19	31–35	10–14	21–30
	20–24	66–75	15–24	56–65	51–60	10–14	36–50	5–9	31–40	
	<20	>75	<15	>65	>60	<10	>50	<5	>40	
Heart rate (beats per min)	110–160		100–160		90–140		80–120		60–100	
	100–109		161–170		90–99		161–170		80–120	
	80–99		171–190		80–89		171–180		70–79	
	<80		>190		<80		>180		<70	
Systolic blood pressure (mmHg)	60–100		70–110		90–110		90–110		90–120	
	50–59		101–120		60–69		111–130		111–130	
	<50		>120		<60		>130		80–89	
	>50		<120		>60		<130		131–160	

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	25-29	56-65	25-29	46-55		41-50	15-19	31-35	10-14	21-30
	20-24	66-75	15-24	56-65	15-19	51-60	10-14	36-50	5-9	31-40
	<20	>75	<15	>65	<15	>60	<10	>50	<5	>40
Heart rate (beats per min)	110-160	100-160	90-140		80-120		60-100			
	100-109	161-170	90-99	161-170	80-89	141-150	70-79	121-140	50-59	101-130
	80-99	171-190	80-89	171-180	70-79	151-170	60-69	141-160	40-49	131-150
	<80	>190	<80	>180	<70	>170	<60	>160	<40	>150
Systolic blood pressure (mmHg)	60-100		70-110		90-110		90-110		90-120	
							111-130		111-130	
	50-59	101-120	60-69	111-130	80-89	131-160	80-89	131-160	80-89	161-200
<50		>120	<60	>130	<80	>160	<80	>160	<80	>200

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Heart rate (beats per min)	110–160	100–160		90–140		80–120		60–100			
	100–109	161–170	90–99	161–170	80–89	141–150	70–79	121–140	50–59	101–130	
	80–99	171–190	80–89	171–180	70–79	151–170	60–69	141–160	40–49	131–150	
	<80	>190	<80	>180	<70	>170	<60	>160	<40	>150	
Systolic blood pressure (mmHg)	60–100	70–110		90–110		90–110		90–120			
	50–59	101–120	60–69	111–130	80–89	131–160	80–89	131–160	80–89	161–200	
	<50	>120	<60	>130	<80	>160	<80	>160	<80	>200	

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	100-109	161-170	90-99	161-170	80-89	141-150	70-79	121-140	40-49	131-150	
	80-99	171-190	80-89	171-180	70-79	151-170	60-69	141-160	5-9	31-40	
	<80	>190	<80	>180	<70	>170	<60	>160	<40	>150	
Systolic blood pressure (mmHg)	60-100	70-110	90-110		90-110		90-120		121-160		
	50-59	101-120	60-69	111-130	80-89	131-160	80-89	131-160	80-89	161-200	
	<50	>120	<60	>130	<80	>160	<80	>160	<80	>200	

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	80-99	171-190	80-89	171-180	70-79	151-170	60-69	141-160	40-49	131-150	
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Systolic blood pressure (mmHg)	60-100	70-110		90-110		90-110		90-120			
	50-59	101-120	60-69	111-130	80-89	131-160	80-89	131-160	80-89	161-200	
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	50-59	101-120	60-69	111-130		111-130		111-130		121-160	
	<50	>120	<60	>130	<80	>160	<80	>160	<80	>200	

Additional criteria (all ages)				
ACVPU	SpO ₂ %	Respiratory distress	Family/carer concern	
A = Alert and appropriate for ability	95–100	Normal		Don't forget to ask: "Are you worried your child is getting worse?"
C = Change in behaviour or new confusion	90–94	Mild		
V = Rousable by voice		Moderate		
P = Rousable by pain	<90	Severe		
U = Unresponsive				

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