

What does "ill" mean?

Dr Jeané Cloete

- Before you can know what a sick child looks like
- We need to know what normal looks like

- Not all children are the same.
- Weight, height and skull circumference are plotted on charts
- For all “normal” values there are ranges and centiles available.
- Let’s look at ranges that is normal for different ages

Normal values

Age (years)	Heart rate	Respiratory rate	Systolic B/P 50 th centile	Systolic B/P 5 th centile
< 1	110 – 160	30 – 40	80 – 90	65 – 75
1 – 2	100 – 150	25 – 35	85 – 95	70 – 75
2 – 5	95 – 140	25 – 30	85 – 100	70 – 80
5 – 12	80 - 120	20 – 25	90 – 110	80 – 90
> 12	60 - 100	15 - 20	100 - 120	90 - 105

- Vital signs are very helpful
- Are essential in examination
- Assist you with decisions on level of care and resuscitation necessary
- May guide you with regards to possible system afflicted

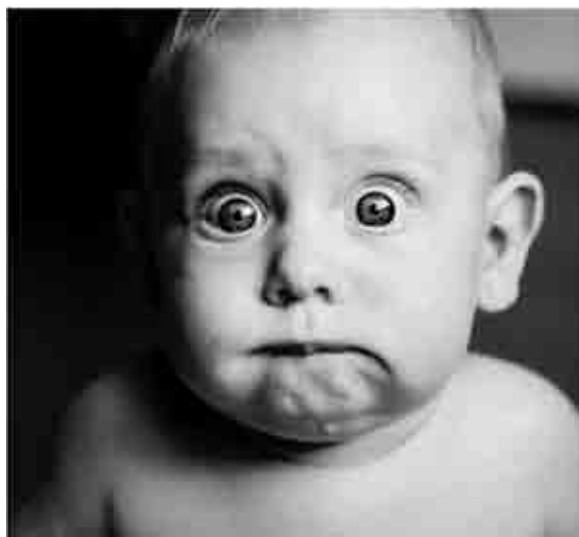
**IT IS MORE IMPORTANT
TO
RECOGNIZE THE SIGNS
OF
ORGAN DYSFUNCTION
THAN
TO MAKE A DIAGNOSIS**

- Not only an increase in values should be concerning

BUT

- Decreased values may indicate severe disease

When should I worry ?



Case 1



3 month old boy presenting in casualty with the following vital signs:

- Temp: 37.3 °C
- Resp Rate: 60/min
- Heart rate: 160/min
- BP: 90/60

Case 1



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Abnormal ?

Case 1



3 month old boy presenting in casualty with the following vital signs:

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Abnormal ?

Case 2



5 year old boy presenting with the following vital signs :

- Temp: 39.5 °C
- Resp Rate: 25/min
- Heart rate: 160/min
- BP: 100/75

Case 2



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- Temp: 39.5 °C
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Abnormal ?

Case 2



5 year old boy presenting with the following vital signs :

- Temp: 39.5 °C
- Resp Rate: 25/min
- Heart rate: 160/min
- BP: 100/75



Abnormal ?

Case 3



5 month old baby girl presenting with diarrhoea and vomiting.
Her vital signs are as follow:

- Temp: 38.3 °C
- Resp Rate: 35/min
- Heart rate: 160/min
- BP: 90/60

Case 3



5 month old baby girl presenting with diarrhoea and vomiting.
Her vital signs are as follow:

- Temp: 38.3 °C
- Resp Rate: 35/min
- Heart rate: 160/min
- BP: 90/60



Abnormal ?

Case 3



5 month old baby girl presenting with diarrhoea and vomiting.
Her vital signs are as follow:

- Temp: 38.3 °C
- Resp Rate: 35/min
- Heart rate: 160/min
- BP: 90/60



Abnormal ?

Case 4

- 5 year old boy presents with coughing
- Vitals are as follow:
 - Temp: 38.5 °C
 - Resp Rate: 45/min
 - Heart rate: 160/min
 - BP: 100/75

Case 4

5 year old boy presents with coughing. His vitals are as follow:

- Temp: 38.5 °C
- Resp Rate: 45/min
- Heart rate: 160/min
- BP: 100/75



Abnormal ?

Case 4

5 year old boy presents with coughing. His vitals are as follow:

- Temp: 38.5 °C
- Resp Rate: 45/min
- Heart rate: 160/min
- BP: 100/75



Abnormal ?

Case 5

18 month year old girl presents with inability to feed. Her vitals are as follow:

- Temp: 35 °C
- Resp Rate: 45/min
- Heart rate: 160/min
- BP:60 /40

Case 5

18 month year old girl presents with inability to feed. Her vitals are as follow:

- Temp: 35 °C
- Resp Rate: 45/min
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Abnormal ?

Case 5

18 month year old girl presents with inability to feed. Her vitals are as follow:

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Abnormal ?

