

Additional file 1

Table 1 Table showing factors and items which contribute to each factor in each clinical area

Factor	Indicators								
Paediatric Ward (PW)									
Essential drugs/emergency resources	<p>Consider out of ten most recent occasions the:-</p> <p>*Availability of oxygen when needed</p>								
	<p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required, without delay or paying for it before it is administered :-</p> <table border="0" style="width: 100%;"> <tr> <td>*Penicillin</td> <td>*Quinine</td> </tr> <tr> <td>*Gentamicin</td> <td>*Septrin</td> </tr> <tr> <td>*IV Chloramphenicol</td> <td>*Amoxil</td> </tr> <tr> <td>*Diazepam</td> <td></td> </tr> </table>	*Penicillin	*Quinine	*Gentamicin	*Septrin	*IV Chloramphenicol	*Amoxil	*Diazepam	
	*Penicillin	*Quinine							
*Gentamicin	*Septrin								
*IV Chloramphenicol	*Amoxil								
*Diazepam									
<p>Consider out of ten most recent occasions the availability of:-</p> <p>*Bolus glucose – number of times drug is immediately available to treat hypoglycaemia (within 2 minutes)</p> <p>*FS Ringers / N/Saline – number of patients getting the fluids from ward stock / hospital pharmacy as soon as required, without delay and before paying for the fluid cannula or giving set.</p> <p>*Other iv fluids – number of patients getting the fluids from ward stock / hospital pharmacy as soon as required, without delay and before paying for the fluid cannula or giving set.</p> <p>*ORS – number of patients getting the ORS from ward stock / hospital pharmacy as soon as required on admission without delay or before paying for it.</p> <p>*Blood transfusion – number of children with severe anaemia getting blood direct from blood bank before finding a donor or paying a fee.</p> <p>*Blood transfusion – number of children with severe anaemia starting blood transfusion within 4 hours of prescription.</p>									
Nutrition and supportive care	<p>Consider out of ten most recent occasions the:-</p> <p>*Ability to provide oxygen at a flow of 2l/min to each individual patient.</p>								

	<p>Consider out of ten most recent occasions the adequacy of:-</p> <ul style="list-style-type: none"> *F75 / F100/Milk feeds - number of malnourished children getting correct amount feed from ward stock / nutritionists within 4 hours of admission. *Night feeds - number of malnourished children getting 3 hourly night feeds as recommended. *Night feeds - number of babies being ngt fed getting 3 hourly night feeds as recommended. *Frequent solid transition feeds - number of malnourished children getting 4 or 5 meals a day during recovery phase. *Monitoring feed intake - number of malnourished children with an accurate feed intake chart.
Cleanliness	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Water from taps to wash your hands between patients * Soap / disinfectant to clean your hands between patients * Water from taps for mothers / caretakers to wash their hands after care-giving or eating * Soap / disinfectant for mothers / caretakers to wash their hands after care-giving or eating
	<p>Consider out of ten most recent occasions:-</p> <ul style="list-style-type: none"> * Patients bathing / washing area observed to be appropriately clean * Patients toilets observed to be appropriately clean * Ability to keep diarrhoea cases separately – not mixed with other patients * Ability to isolate highly infectious cases (measles, chickenpox etc) * Disinfectant used to clean spills of blood, stool or urine
Second-line drugs	<p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required, without delay or paying for it before it is administered :-</p> <ul style="list-style-type: none"> *Coartem * Cloxacillin / Flucloxacillin * Erythromicin * Ceftriaxone / cefotaxime * Phenobarbitone Injection
Maternity ward with newborn nursery(NN)	
Supportive care	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Phototherapy device when required for each user * Individual cots when required to prevent sharing (except twins)

	<p>Consider out of ten most recent occasions the:-</p> <ul style="list-style-type: none"> * Availability of Vitamin K – number of babies receiving routine stat dose. * Availability of oxygen whenever needed * Ability to provide oxygen at a flow of 1l/min to each individual patient <p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required , without delay or paying for it before it is administered:-</p> <ul style="list-style-type: none"> * Phenobarbitone Injection <p>Consider out of ten most recent occasions the:-</p> <ul style="list-style-type: none"> * Number of babies with mothers who are unable to provide adequate EBM (through maternal death, maternal illness, or premature delivery) who spend 3 or more days receiving inadequate feed volumes * Number of babies being ngt fed getting 3 hourly night feeds as recommended (night feeds). * Number of ngt fed babies with an accurate feed intake chart(monitored feed intake)
Common Drugs	<p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required , without delay or paying for it before it is administered:-</p> <ul style="list-style-type: none"> * Penicillin * Gentamicin * Cloxacillin / Flucloxacillin * Ceftriaxone / cefotaxime <p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Bolus glucose – number of times drug is immediately available to treat hypoglycaemia (within 2 minutes)
Resuscitation and thermal equipment	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Warmer for resuscitation in delivery room when required * Incubator or long term warming method when required * Working bag and mask device when required
Cleanliness	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Water from taps to wash your hands between patients * Soap / disinfectant to clean your hands between patients
Maternal and child health clinic (MCH)	

Hygiene and emergency care	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Water from taps to wash your hands between patients * Soap / disinfectant to clean your hands between patients * Disinfectant was used to clean spills of blood, stool or urine
	<p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required , without delay or paying for it before it is administered:-</p> <ul style="list-style-type: none"> *Diazepam
	<p>Consider out of ten most recent occasions the availability of:-</p> <ul style="list-style-type: none"> * Bolus glucose – number of times drug is immediately available to treat hypoglycaemia (within 2 minutes) * Ringers / N/Saline – number of patients getting the fluids from ward stock / hospital pharmacy as soon as required without delay and before paying for the fluid cannula or giving set. * ORS – number of patients getting the ORS from ward stock / hospital pharmacy as soon as required without delay and before paying it.
Drugs	<p>Consider out of ten most recent occasions the number of patients getting the drug from ward stock / hospital pharmacy as soon as required , without delay or paying for it before it is administered:-</p> <ul style="list-style-type: none"> * Coartem * Septrin *Amoxil
Oxygen availability	<p>Consider out of ten most recent occasions the:-</p> <ul style="list-style-type: none"> * Availability of oxygen whenever needed * Ability to provide oxygen at a flow of 2l/min to each individual patient

Only one item¹ in NN had no factor loading > 0.3 for any single factor resulting in its elimination from aggregated analysis.

¹ Equipment available; Consider out of ten most recent occasions the availability of:- Paediatric iv fluid drip set (with burette) when required