Expert Source

Record ID

What are your primary affiliations? Check all that apply.

☐ Teaching hospital
☐ General/community hospital
☐ Specialized hospital
☐ Outpatient clinic
☐ University
☐ Other

Please specify.

What are your roles at this institution? Check all that apply.

☐ Physician
☐ Other clinician
☐ Basic scientist
☐ Clinical scientist
☐ Social scientist
☐ Hospital administration
☐ Nurse
☐ Other

Please specify.

What is your area of expertise? Check all that apply.

☐ Pediatrics
☐ Sepsis
☐ Infectious Disease
☐ Microbiology/laboratory medicine
☐ International Health
☐ Epidemiology
☐ Social Sciences
☐ Neonatology
☐ Obstetrics

Do you have any other relevant areas of expertise?
# Patient Characteristics

## Age

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>○ Yes</th>
<th>○ No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>○ Strong</td>
<td>○ Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>○ Highly reliable</td>
<td>○ Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>○ Extensive</td>
<td>○ Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>○ Significant overlap</td>
<td>○ Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>○ Frequently</td>
<td>○ Less than half the time</td>
</tr>
</tbody>
</table>

## Less than 2 months of age

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>○ Yes</th>
<th>○ No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>○ Strong</td>
<td>○ Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>○ Highly reliable</td>
<td>○ Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>○ Extensive</td>
<td>○ Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>○ Significant overlap</td>
<td>○ Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>○ Frequently</td>
<td>○ Less than half the time</td>
</tr>
</tbody>
</table>
## Gender/Sex

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
</tbody>
</table>

## Duration of illness/sign/symptom

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
</tbody>
</table>
### Time since last hospitalization

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>________________</td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>

### Urgent referral status

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>________________</td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
</tr>
<tr>
<td></td>
<td>Moderately reliably</td>
</tr>
<tr>
<td></td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
</tr>
<tr>
<td></td>
<td>Minimal overlap</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
</tr>
<tr>
<td></td>
<td>Less than half the time</td>
</tr>
<tr>
<td></td>
<td>Rarely</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
## Anthropometric Data

### Weight

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>Strong</th>
<th>Moderate</th>
<th>Unlikely</th>
<th>Highly reliable</th>
<th>Moderately reliably</th>
<th>Unreliably</th>
<th>Extensive</th>
<th>Moderate</th>
<th>Minimal</th>
<th>Significant overlap</th>
<th>Minimal overlap</th>
<th>Not applicable</th>
<th>Frequently</th>
<th>Less than half the time</th>
<th>Rarely</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Length

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>Strong</th>
<th>Moderate</th>
<th>Unlikely</th>
<th>Highly reliable</th>
<th>Moderately reliably</th>
<th>Unreliably</th>
<th>Extensive</th>
<th>Moderate</th>
<th>Minimal</th>
<th>Significant overlap</th>
<th>Minimal overlap</th>
<th>Not applicable</th>
<th>Frequently</th>
<th>Less than half the time</th>
<th>Rarely</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**MUAC (mm)**

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
</tr>
<tr>
<td></td>
<td>Moderately reliably</td>
</tr>
<tr>
<td></td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
</tr>
<tr>
<td></td>
<td>Minimal overlap</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
</tr>
<tr>
<td></td>
<td>Less than half the time</td>
</tr>
<tr>
<td></td>
<td>Rarely</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Vitals

Temperature

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Temperature < 35.5C

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable
## Temperature >/37.5°C

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>___________________</td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>

## Heart Rate

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>___________________</td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>
## Respiratory Rate

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Rarely</td>
</tr>
</tbody>
</table>

## Oxygen Saturation (SpO2)

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Rarely</td>
</tr>
</tbody>
</table>

07/21/2017 9:45am  www.projectredcap.org
### Systolic Blood Pressure

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>____________________</td>
</tr>
<tr>
<td>Should this variable be collected?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>

### Diastolic Blood Pressure

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>____________________</td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>
**Airway Breathing**

### Apnea (observed, reported)

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
</tbody>
</table>

Which variables will this variable overlap with?

| Other comments. |
|__________________________________|

### Difficulty breathing (reported)

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
</tbody>
</table>

Which variables will this variable overlap with?

| Other comments. |
|__________________________________|
Difficulty breathing (observed)

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter-and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
__________________________________________

Central Cyanosis

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter-and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal
How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
__________________________________________

---

**Chest in-drawing**

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
__________________________________________

---

**Obstructed breathing**

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably
How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

__________________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

____________________________________

---

Nasal flaring

Should this variable be collected?

- Yes
- No

How strong is this variable as a predictor of severe illness in children?

- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)

- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

__________________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

____________________________________
**Grunting**

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.

**Head bobbing/nodding**

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable
### Crepitations

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>

Other comments.

---

### Stridor

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
</tbody>
</table>

Other comments.
How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________________________

Wheezing

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

__________________________________

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________________________

Respiratory effort

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal
How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Fast breathing (reported)**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Fast breathing (determined to be above >60BPM)**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably
How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

__________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________
Capillary refill time

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.

Skin cold (cool peripheries)

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  

Other comments.
How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Weak and fast pulse**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

---

**Pallor - Palmar, oral, conjunctival**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal
How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.
# Dehydration

## Skin turgor - pinching of the skin of abdomen/hand

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>____________________________________</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td>____________________________________</td>
<td></td>
</tr>
</tbody>
</table>

## Sunken eyes

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>____________________________________</td>
<td></td>
</tr>
</tbody>
</table>
How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Depressed fontanelle**

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

---

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**No tears when crying**

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal
How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?
__________________________________

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.
__________________________________________

**Reduced urine production**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?
__________________________________

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.
__________________________________________

**Dry oral mucosa**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably
How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

__________________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________________________
# Neurological

## Irritability, restlessness

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Strong</th>
<th>Moderate</th>
<th>Unlikely</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Highly reliable</th>
<th>Moderately reliably</th>
<th>Unreliably</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Extensive</th>
<th>Moderate</th>
<th>Minimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Significant overlap</th>
<th>Minimal overlap</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Frequently</th>
<th>Less than half the time</th>
<th>Rarely</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>How common is this variable abnormal?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Question                                                                 |                     |                      |
| Other comments.                                                           |                     |                      |

## Consolability

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Strong</th>
<th>Moderate</th>
<th>Unlikely</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Highly reliable</th>
<th>Moderately reliably</th>
<th>Unreliably</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Extensive</th>
<th>Moderate</th>
<th>Minimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Significant overlap</th>
<th>Minimal overlap</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Frequently</th>
<th>Less than half the time</th>
<th>Rarely</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>How common is this variable abnormal?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Question                                                                 |                     |                      |
| Other comments.                                                           |                     |                      |
Sleepiness/drowsiness/unconscious

Should this variable be collected?
○ Yes
○ No

How strong is this variable as a predictor of severe illness in children?
○ Strong
○ Moderate
○ Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
○ Highly reliable
○ Moderately reliably
○ Unreliably

How much training will be required to collect the variable?
○ Extensive
○ Moderate
○ Minimal

How much will this variable overlap with other variables?
○ Significant overlap
○ Minimal overlap
○ Not applicable

Which variables will this variable overlap with?
________________________________________

How common is this variable abnormal?
○ Frequently
○ Less than half the time
○ Rarely
○ Not applicable

Other comments.
________________________________________

Ease of wakening

Should this variable be collected?
○ Yes
○ No

How strong is this variable as a predictor of severe illness in children?
○ Strong
○ Moderate
○ Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
○ Highly reliable
○ Moderately reliably
○ Unreliably

How much training will be required to collect the variable?
○ Extensive
○ Moderate
○ Minimal
<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>- Significant overlap</td>
</tr>
<tr>
<td></td>
<td>- Minimal overlap</td>
</tr>
<tr>
<td></td>
<td>- Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>- Frequently</td>
</tr>
<tr>
<td></td>
<td>- Less than half the time</td>
</tr>
<tr>
<td></td>
<td>- Rarely</td>
</tr>
<tr>
<td></td>
<td>- Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
</tr>
<tr>
<td><strong>Level of consciousness</strong></td>
<td></td>
</tr>
<tr>
<td>Should this variable be collected?</td>
<td>- Yes</td>
</tr>
<tr>
<td></td>
<td>- No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>- Strong</td>
</tr>
<tr>
<td></td>
<td>- Moderate</td>
</tr>
<tr>
<td></td>
<td>- Unlikely</td>
</tr>
<tr>
<td>How do you think we should assess LOC?</td>
<td>- AVPU</td>
</tr>
<tr>
<td></td>
<td>- Blantyre Coma Scale</td>
</tr>
<tr>
<td></td>
<td>- Glasgow Coma Scale</td>
</tr>
<tr>
<td></td>
<td>- Ballard Score</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>- Highly reliable</td>
</tr>
<tr>
<td></td>
<td>- Moderately reliably</td>
</tr>
<tr>
<td></td>
<td>- Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>- Extensive</td>
</tr>
<tr>
<td></td>
<td>- Moderate</td>
</tr>
<tr>
<td></td>
<td>- Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>- Significant overlap</td>
</tr>
<tr>
<td></td>
<td>- Minimal overlap</td>
</tr>
<tr>
<td></td>
<td>- Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>- Frequently</td>
</tr>
<tr>
<td></td>
<td>- Less than half the time</td>
</tr>
<tr>
<td></td>
<td>- Rarely</td>
</tr>
<tr>
<td></td>
<td>- Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
</tr>
</tbody>
</table>
### Lethargy

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Convulsions (reported, history)

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Convulsing now, actively

<table>
<thead>
<tr>
<th>Question</th>
<th>Response Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
</tbody>
</table>

### Confusion

<table>
<thead>
<tr>
<th>Question</th>
<th>Response Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>Variable</td>
<td>How common is this variable abnormal?</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>Stiff limbs</td>
<td></td>
</tr>
<tr>
<td>Hypotonia</td>
<td></td>
</tr>
</tbody>
</table>
How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Mobility**

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter-and intra-rater reliability)  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Spontaneous movements/to stimulus**

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter-and intra-rater reliability)  
- Highly reliable
- Moderately reliably
- Unreliably
How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
__________________________________

---

**Neck pain/stiffness**

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
__________________________________
### Bulging fontanelles

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  
- 

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

### Focal neurology acute

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  
- 

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable
### Not able to drink or feed anything

**Should this variable be collected?**
- [ ] Yes
- [ ] No

**How strong is this variable as a predictor of severe illness in children?**
- [ ] Strong
- [ ] Moderate
- [ ] Unlikely

**Can this variable be reliably measured (i.e. inter-and intra-rater reliability)?**
- [ ] Highly reliable
- [ ] Moderately reliably
- [ ] Unreliably

**How much training will be required to collect the variable?**
- [ ] Extensive
- [ ] Moderate
- [ ] Minimal

**How much will this variable overlap with other variables?**
- [ ] Significant overlap
- [ ] Minimal overlap
- [ ] Not applicable

**Which variables will this variable overlap with?**

**How common is this variable abnormal?**
- [ ] Frequently
- [ ] Less than half the time
- [ ] Rarely
- [ ] Not applicable

**Other comments.**

### Not feeding well

**Should this variable be collected?**
- [ ] Yes
- [ ] No

**How strong is this variable as a predictor of severe illness in children?**
- [ ] Strong
- [ ] Moderate
- [ ] Unlikely

**Can this variable be reliably measured (i.e. inter-and intra-rater reliability)?**
- [ ] Highly reliable
- [ ] Moderately reliably
- [ ] Unreliably

**How much training will be required to collect the variable?**
- [ ] Extensive
- [ ] Moderate
- [ ] Minimal

**How much will this variable overlap with other variables?**
- [ ] Significant overlap
- [ ] Minimal overlap
- [ ] Not applicable

**Which variables will this variable overlap with?**

**Other comments.**
How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________________________

Not suckling/breastfeeding

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

__________________________________________
## Infection

### Fever

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cough

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Runny nose

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap  
- Minimal overlap  
- Not applicable

Which variables will this variable overlap with?  
________________________________________________

How common is this variable abnormal?  
- Frequently  
- Less than half the time  
- Rarely  
- Not applicable

Other comments.  
________________________________________________

Rash

Should this variable be collected?  
- Yes  
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong  
- Moderate  
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable  
- Moderately reliably  
- Unreliably

How much training will be required to collect the variable?  
- Extensive  
- Moderate  
- Minimal
Ear pain

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?  
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?  
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?  
______________________________

How common is this variable abnormal?  
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.  
______________________________

Ear discharge

Should this variable be collected?  
- Yes
- No

How strong is this variable as a predictor of severe illness in children?  
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- Highly reliable
- Moderately reliably
- Unreliably
How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

-__________________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

-______________________________________

---

**Tender swelling behind the ear**

Should this variable be collected?

- Yes
- No

How strong is this variable as a predictor of severe illness in children?

- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)

- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

-__________________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

-______________________________________
### Purulent drainage eyes

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Conjunctivitis

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
</tbody>
</table>
### Skin pustules

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Umbilicus is red

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Umbilicus is draining

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
</tr>
</tbody>
</table>

**How common is this variable abnormal?**
- Frequently
- Less than half the time
- Rarely
- Not applicable

**Other comments.**
# Gastrointestinal Urinary

## Diarrhea

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Blood in stool (dysentery)

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Vomiting**

<table>
<thead>
<tr>
<th>Question</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
</tr>
<tr>
<td></td>
<td>Less than half the time</td>
</tr>
<tr>
<td></td>
<td>Rarely</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td>________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td>Highly reliable</td>
</tr>
<tr>
<td></td>
<td>Moderately reliably</td>
</tr>
<tr>
<td></td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
</tr>
<tr>
<td></td>
<td>Minimal overlap</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td>________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
</tr>
<tr>
<td></td>
<td>Less than half the time</td>
</tr>
<tr>
<td></td>
<td>Rarely</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td>________________</td>
</tr>
</tbody>
</table>

**Abdominal pain**

<table>
<thead>
<tr>
<th>Question</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter-and intra-rater reliability)</td>
<td>Highly reliable</td>
</tr>
<tr>
<td></td>
<td>Moderately reliably</td>
</tr>
<tr>
<td></td>
<td>Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
</tr>
<tr>
<td></td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Minimal</td>
</tr>
</tbody>
</table>
How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

______________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

______________________________

**Foul-smelling urine**

Should this variable be collected?

- Yes
- No

How strong is this variable as a predictor of severe illness in children?

- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)

- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?

- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

______________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

______________________________
Malnutrition

**Swelling of both feet (peripheral edema)**

Should this variable be collected?  
- [ ] Yes  
- [x] No

How strong is this variable as a predictor of severe illness in children?  
- [ ] Strong  
- [ ] Moderate  
- [ ] Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- [ ] Highly reliable  
- [ ] Moderately reliably  
- [ ] Unreliably

How much training will be required to collect the variable?  
- [ ] Extensive  
- [ ] Moderate  
- [ ] Minimal

How much will this variable overlap with other variables?  
- [ ] Significant overlap  
- [ ] Minimal overlap  
- [ ] Not applicable

Which variables will this variable overlap with?  
- [ ] ____________________________________

How common is this variable abnormal?  
- [ ] Frequently  
- [ ] Less than half the time  
- [ ] Rarely  
- [ ] Not applicable

Other comments.  
- [ ] ____________________________________

---

**Visible severe wasting (marasmus)**

Should this variable be collected?  
- [ ] Yes  
- [ ] No

How strong is this variable as a predictor of severe illness in children?  
- [ ] Strong  
- [ ] Moderate  
- [ ] Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?  
- [ ] Highly reliable  
- [ ] Moderately reliably  
- [ ] Unreliably

How much training will be required to collect the variable?  
- [ ] Extensive  
- [ ] Moderate  
- [ ] Minimal

How much will this variable overlap with other variables?  
- [ ] Significant overlap  
- [ ] Minimal overlap  
- [ ] Not applicable

Which variables will this variable overlap with?  
- [ ] ____________________________________
Abdominal distension

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

Ulcers or white patches in the mouth (oral thrush)

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)?
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal
How much will this variable overlap with other variables?

- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

______________________________

How common is this variable abnormal?

- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

______________________________
### Trauma

**Trauma or other surgical condition**

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
</tr>
</tbody>
</table>

**Eye injury**

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
</tbody>
</table>
Fracture

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?
- __________________________________________

Dislocation

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal
How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?
________________________

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.
________________________

Hemorrhage

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?
________________________

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.
________________________

Severe pain

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably
### Burns

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should this variable be collected?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong, Moderate, Unlikely</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable, Moderately reliably, Unreliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive, Moderate, Minimal</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap, Minimal overlap, Not applicable</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently, Less than half the time, Rarely, Not applicable</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
</tr>
</tbody>
</table>
Poisoning

Should this variable be collected?
○ Yes
○ No

How strong is this variable as a predictor of severe illness in children?
○ Strong
○ Moderate
○ Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
○ Highly reliable
○ Moderately reliably
○ Unreliably

How much training will be required to collect the variable?
○ Extensive
○ Moderate
○ Minimal

How much will this variable overlap with other variables?
○ Significant overlap
○ Minimal overlap
○ Not applicable

Which variables will this variable overlap with?
__________________________________

How common is this variable abnormal?
○ Frequently
○ Less than half the time
○ Rarely
○ Not applicable

Other comments.
__________________________________________
General

Change in level of activity

Should this variable be collected?  
○ Yes  
○ No

How strong is this variable as a predictor of severe illness in children?  
○ Strong  
○ Moderate  
○ Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
○ Highly reliable  
○ Moderately reliably  
○ Unreliably

How much training will be required to collect the variable?  
○ Extensive  
○ Moderate  
○ Minimal

How much will this variable overlap with other variables?  
○ Significant overlap  
○ Minimal overlap  
○ Not applicable

Which variables will this variable overlap with?  
__________________________________

How common is this variable abnormal?  
○ Frequently  
○ Less than half the time  
○ Rarely  
○ Not applicable

Other comments.  
__________________________________________

Change in crying

Should this variable be collected?  
○ Yes  
○ No

How strong is this variable as a predictor of severe illness in children?  
○ Strong  
○ Moderate  
○ Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)  
○ Highly reliable  
○ Moderately reliably  
○ Unreliably

How much training will be required to collect the variable?  
○ Extensive  
○ Moderate  
○ Minimal

How much will this variable overlap with other variables?  
○ Significant overlap  
○ Minimal overlap  
○ Not applicable

Which variables will this variable overlap with?  
__________________________________
How common is this variable abnormal?

○ Frequently
○ Less than half the time
○ Rarely
○ Not applicable

Other comments.

__________________________________________
# Laboratory Results

## Hemoglobin (g/dL)

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How common is this variable abnormal?</td>
<td>Frequently</td>
<td>Less than half the time</td>
</tr>
<tr>
<td>Other comments.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Malaria blood smear

<table>
<thead>
<tr>
<th>Should this variable be collected?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>How strong is this variable as a predictor of severe illness in children?</td>
<td>Strong</td>
<td>Moderate</td>
</tr>
<tr>
<td>Can this variable be reliably measured (i.e. inter- and intra-rater reliability)</td>
<td>Highly reliable</td>
<td>Moderately reliably</td>
</tr>
<tr>
<td>How much training will be required to collect the variable?</td>
<td>Extensive</td>
<td>Moderate</td>
</tr>
<tr>
<td>How much will this variable overlap with other variables?</td>
<td>Significant overlap</td>
<td>Minimal overlap</td>
</tr>
<tr>
<td>Which variables will this variable overlap with?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---

**Blood sugar measurement**

Should this variable be collected?
- Yes
- No

How strong is this variable as a predictor of severe illness in children?
- Strong
- Moderate
- Unlikely

Can this variable be reliably measured (i.e. inter- and intra-rater reliability)
- Highly reliable
- Moderately reliably
- Unreliably

How much training will be required to collect the variable?
- Extensive
- Moderate
- Minimal

How much will this variable overlap with other variables?
- Significant overlap
- Minimal overlap
- Not applicable

Which variables will this variable overlap with?

How common is this variable abnormal?
- Frequently
- Less than half the time
- Rarely
- Not applicable

Other comments.

---