ON CONSTRUCTING A NUTRITIONAL DEFICIENCY INDEX (NDI) FOR THE DEMOCRATIC REPUBLIC OF CONGO: A HUMANITARIAN CRISES

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VISUALIZING RURAL AND URBAN DRC NUTRITION POVERTY

Range of NDI: 0.13 – 0.73

COVID
Ebola/Conflict

COVID
Ebola/Conflict
## CONTRIBUTING DIMENSIONS OF NDI

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Deprivation Cut-offs for intake</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calorie</td>
<td>&lt; 2750 kcal</td>
<td>1/6 each</td>
</tr>
<tr>
<td>Protein</td>
<td>&lt; 50 g</td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td>&lt; 1000 mg</td>
<td></td>
</tr>
<tr>
<td>Zinc</td>
<td>&lt; 14 mg</td>
<td></td>
</tr>
<tr>
<td>Folate</td>
<td>&lt; 400 mcg</td>
<td></td>
</tr>
<tr>
<td>Thiamine</td>
<td>&lt; 1.2 mg</td>
<td></td>
</tr>
<tr>
<td>Niacin</td>
<td>&lt; 16 mgNEs</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>&lt; 27.4 mg</td>
<td>1/18 each</td>
</tr>
<tr>
<td>Vitamin A</td>
<td>&lt; 600 mcg</td>
<td></td>
</tr>
<tr>
<td>Vitamin B12</td>
<td>&lt; 2.4 mcg</td>
<td></td>
</tr>
<tr>
<td>Vitamin D</td>
<td>&lt; 10 mcg</td>
<td></td>
</tr>
<tr>
<td>Vitamin B6</td>
<td>&lt; 1.3 mg</td>
<td></td>
</tr>
<tr>
<td>Vitamin C</td>
<td>&lt; 45 mg</td>
<td></td>
</tr>
<tr>
<td>Vitamin E</td>
<td>&lt; 15 mg</td>
<td></td>
</tr>
</tbody>
</table>

**MACRONUTRIENTS**

- Calorie
- Protein

**MINERALS**

- Calcium
- Zinc
- Folate
- Thiamine

**VITAMINS**

- Niacin
- Iron
- Vitamin A
- Vitamin B12
- Vitamin D
- Vitamin B6
- Vitamin C
- Vitamin E

**VITAMIN D**

- Vitamin E
KEY FINDINGS

- **Urban DRC** – poor performer. **Kinshasa** - Intensity of deprivation - highest - COVID.
- Conflict and Ebola affected regions (**Kasai, Kivu, Ituri, Tanganinya**) - most nutritionally deprived.
- Calorie & protein deficiency - maximum contribution - NDI.
- Double burden of malnutrition - deficiency - macro and micro nutrients.
- **South Kivu** - worst performing, Mongala - best.
- Deprivation in **Northern DRC** < Central and South-western parts.
- Policy: Improve market access in urban areas so that people consume a more diverse diet.
  - Rural areas – Govt. support - improve nutrition sensitive agricultural production.
  - WFP - sustained presence - severe hunger, active participation by the Govt.
THANK YOU!

Suresh, Patrice, Patrick & Mousumi

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