Driving Evidence to Action

Accelerating a technical and research agenda for acute malnutrition through No Wasted Lives
Closing the Gap

Number of SAM children

Number of SAM children accessing treatment

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of SAM children</th>
<th>Number of SAM children accessing treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>1.0 million</td>
<td>6 million</td>
</tr>
<tr>
<td>2011</td>
<td>1.9 million</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>2.6 million</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>2.6 million</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>2.9 million</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>3.2 million</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td></td>
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<td>2017</td>
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<tr>
<td>2018</td>
<td></td>
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<tr>
<td>2019</td>
<td></td>
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<tr>
<td>2020</td>
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</table>
NO WASTED LIVES

A NEW COALITION TO CATALYSE GLOBAL ACTION
DOUBLE THE NUMBER OF CHILDREN RECEIVING TREATMENT TO 6 MILLION A YEAR BY 2020
THE NO WASTED LIVES COALITION HAS THREE CLEAR OBJECTIVES

01
MAKE SEVERE ACUTE MALNUTRITION A POLITICAL & PUBLIC HEALTH PRIORITY

02
DISCOVER & DISSEMINATE EFFECTIVE WAYS TO PREVENT & TREAT SEVERE ACUTE MALNUTRITION

03
MOBILISE MORE MONEY & MAXIMISE EFFECTIVENESS OF CURRENT SPENDING
Technical Accelerator

Three Focus Areas of Work

1) Building evidence through operational research and new analyses of existing data on acute malnutrition

2) Improving the broader use of data and resources on acute malnutrition

3) Setting priorities and driving the use of evidence for action through The Council of Research & Technical Advise on SAM (CORTASAM)
1. Building the Evidence

A sample of operational research we are working on with our partners to improve cost-effectiveness and increase coverage of programmes:

- **MANGO**: testing reduced dosage for treatment in Burkina Faso
- **OptiDiag**: biomedical Investigation for Optimized Diagnosis and Monitoring of Severe Acute Malnutrition (SAM): Elucidating the heterogeneous diagnosis of SAM by current anthropometric criteria and moving beyond
- **ComPAS**: testing combined protocols for the treatment of MAM/SAM in South Sudan and Mali
- **C-Project and beyond**: testing the integration of SAM treatment into the iCCM package in Mali, Pakistan, and Kenya.
- **SAM Photo Diagnosis**: developing an innovative diagnostic mobile app
2. The State of Severe Malnutrition

- Launched in May 2017, currently in beta-testing phase to inform updates to improve usability and data access.
- Brings previous resources from the CMAM Forum and Coverage Monitoring Network together with global and country-level Nutridash data.

**Key Features:**

- An interactive global map with over 30 indicators with the latest available data from Nutridash, the Joint Estimates, and coverage surveys.
- Country-level profiles to highlight data and resources.
- Expanded resource library (building on the CMAM Forum Library).
- An interactive visual map of all ongoing research focused on severe malnutrition.

[www.severemalnutrition.org](http://www.severemalnutrition.org)
Modelling an Alternative Protocol Generalizable to Outpatient (MANGO)

The MANGO study aims to test the effectiveness and estimate cost of reduced RUTF dosage on treatment outcomes for children 6-59 months with severe acute malnutrition in Eastern Burkina Faso. The study design is a randomised trial with two arms: 1) standard amount of therapeutic food; and 2) standard dosage for 2 weeks, followed by reduced dosage from week 3. Primary outcome is rate of weight gain during treatment.

Dosage | Product | SAM Treatment
--- | --- | ---
| CONTACT | PI: Cecile Salpeter cspeter@actioncontrolstafim.org | Snn Kangas csp_mango@tms.org
| DONOR | CIFF | ECHO
| LOCATION | Burkina Faso |
| TRAIL REGISTRATION | nct.org/0001203924 |
3. The Council of Research & Technical Advice on SAM (CORTASAM)

- An independent advisory group established in 2016 to guide the technical work of No Wasted Lives. The Council is comprised of 14 members, bringing a breadth of expertise in nutrition and health and global experience.

- The goal to drive the use of evidence for action, in order to ultimately reach more children with effective treatment and prevention programs.
Research Priorities for Acute Malnutrition

Goal: to provide a robust and transparent framework to collect global, regional, and country-level stakeholder feedback on research priorities across the continuum of acute malnutrition in children 0-5 years of age.

Methods: used a well-established methodology developed by the Child Health and Nutrition Research Initiative (CHNRI), a systematic and transparent approach:

- **Phase 1**: compiled existing research questions and emerging research questions from across the sector. These questions were grouped into 53 research areas.
- **Phase 2**: global online questionnaire (in English and French) that asked respondents to rank 53 research areas by 4 criteria.
Survey Responses

- Over 313 responses in total, representing 63 countries and 167 organizations.
- 48% of respondents identified as being operational as opposed to research/academic, government/policy, donor, etc.

More details on the responses, including the full list of participating organizations and countries can be found at www.nowastedlives.org.
Global Findings

Top 10 Global Priorities (n = 313)

<table>
<thead>
<tr>
<th>Global Rank</th>
<th>Research Area</th>
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<tbody>
<tr>
<td>1</td>
<td>Diagnosis of acute malnutrition in the community by CHWs at household level.</td>
</tr>
<tr>
<td>2</td>
<td>Effective approaches for the management of severe acute malnutrition in children with diarrhoea.</td>
</tr>
<tr>
<td>3</td>
<td>Effective and safe treatment of acute malnutrition in infants &lt;6 months of age.</td>
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<tr>
<td>4</td>
<td>Burden, causal factors, and interventions to address relapse after treatment of acute malnutrition.</td>
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<tr>
<td>5</td>
<td>Relationship between the nutrition and health status of mothers and acute malnutrition in their children.</td>
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<tr>
<td>6</td>
<td>Optimum treatment entry and exit criteria.</td>
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<tr>
<td>7</td>
<td>Addition of IYCF to standard treatment of acute malnutrition.</td>
</tr>
<tr>
<td>8</td>
<td>Detection on acute malnutrition in the community by caretakers.</td>
</tr>
<tr>
<td>9</td>
<td>Safe and effective alternative formulations of RUTF using local ingredients.</td>
</tr>
<tr>
<td>10</td>
<td>Effective interventions to reduce mortality risk after treatment.</td>
</tr>
</tbody>
</table>
Interpretation/Limitations

- Ranking scores were very closely distributed.
- High response rate from operational stakeholders so biased away from clinical research areas.
- Need to unpack specific research questions.
- There is significant regional variation in the leading research priorities. This highlights the importance of the regional analyses to support tailored discussions.
Conclusions

- Strong global response rates supported our hypothesis that there was interest in identifying research priorities across the sector.

- CORTASAM is currently looking at the leading research priorities to identify areas where they can play a role to accelerate progress between now and 2020. This will lead to the development of:
  - Both will be available online at www.nowastedlives.org

- We encourage others to use these findings to advocate for and carry forward priority areas of research.

- Our hope is that these findings will provide a platform for future conversations on research priorities across the sector between now and 2020.
For more information

- The No Wasted Lives website: www.nowastedlives.org
- Prioritising Acute Malnutrition Research: Preliminary Findings from a CHNRI study on ENN Field Exchange 55 (August 2017)
- Interactive map of ongoing research across these research areas is available at www.severemalnutrition.org/en/content/ongoing-research
- Coming soon: peer-reviewed publication including the full findings of the CHNRI survey and the data tables as an appendix.
NO WASTED LIVES

A coalition committed to doubling the number of children treated for severe acute malnutrition by 2020

Want to know more? www.nowastedlives.org

Get in touch: info@nowastedlives.org twitter: @nowastedlives