Mobile Application to support Community-based Management of Acute Malnutrition (CMAM)
Mobile Application to support Community-based Management of Acute Malnutrition (CMAM)

- Initial prototype – WV Canada private funding – 2013
- CommCare - DiMagi

Grant Funding
- Global Affairs Canada – Afghanistan MNCH Project 2013-2016
- Office of US Foreign Disaster Assistance (OFDA) 2014-2016
  - Mali, Niger
  - Chad – International Medical Corps (IMC)
  - *Kenya – Save the Children UK led contextualization

Reached 104 health facilities, 191 health workers
Directing Children with Malnutrition to Appropriate Treatment

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<th>Registration</th>
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<td>Health facility</td>
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Directing Children with Malnutrition to Appropriate Treatment

**Registration**
- Health facility
- Child info
- Etc.

**Anthropometrics**
- Weight & length/height → Z-score
- MUAC
- Edema

- No acute malnutrition → Counseling, not registered
- Moderate Acute Malnutrition (MAM) → Supplementary Feeding Program (SFP Module)
- Severe Acute Malnutrition (SAM) without complications → Outpatient Therapeutic Program (OTP Module)
  - Without complications → Outpatient Therapeutic Program (OTP Module)
  - Edema/ With complications → Referral to Stabilisation Centre (SC) for in-patient treatment
Example: OTP Module List of Questions & Actions

**Child OTP Link – 1st Visit (continued)**

- Physical Examination
  - Breath Counter and then it shows # of breaths
  - Child Temperature
  - Rapid Diagnostic Test for Malaria
  - Fever
  - Passing Urine
  - Child’s Eyes
  - Child’s Ears
  - Conjunctival /Palm Pallor
  - Dehydration
  - Mouth
  - Open Skin Lesions
  - Child’s Extremities

- Vitamin A
- Amoxycillin
- RUTF Administration, Instructions, Counselling
- Next Appointment

Give oral antibiotic (amoxycillin tablet—250 mg).

Give twice daily for 5 days:

*Age 12 months up to 5 years—1 tablets (total 10 tabs)*

How many tablets of Amoxycillin did you give to the mother?

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*Medical Complication* => *Referral to SC*
Further Reading

Transform Nutrition Working Paper
• A mobile health application to manage acute malnutrition: Lessons from developing and piloting the app in five countries

• World Vision International Global mHealth Report

Next Steps

➢ CMAM App – improve functionalities, re-deployment, scaling and integration with national HMIS

➢ ALeDIA (Alliance for IMCI e-Diagnostic): mobile health consortium with Terre des hommes and ACF (France & Spain)