Early Child Development in 6 districts of Cambodia – challenges for appropriate growth: 2016 data

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Stunting-Multisectorial







Kratie provinces

Longitudinal study (II)



	Household population	Population of children o-23.9 mo
Phnom Penh (Russey Eñeo)	1,883	1,249
Kratie (Chitr Borie, Krong Krache)	1,828	1,373
Ratanakiri (Borkeo, Banlung, Ochum)	1,708	1,324
	5,419	3,946



Population followed over the next 3 years:

- 1. Socio-Eco questionnaire
- 2. Health Practices
- 3. Feeding Practices
- 4. WASH Practices
- 5. Cognitive Health
- 6. Anthropometry measure
- 7. Morbidity



Longitudinal study (III)





Population surveyed nutritional status





Prevalence of children vaccinated with appropriate doses

Health issues

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Feeding practices



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Triggers for a change: 1. Breastfeeding 2. Complementary feeding





Developed by



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Helen Keller

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- 1. Trigger for not gaining weight during pregnancy
- 2. Trigger for not breastfeeding and continuing it
- Trigger for not appropriately feeding (complementary food) their children after 6 month of age
- 4. Trigger for high use of BKK

Triggers for a change

1. Breastfeeding

2. Complementary feeding





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UIC status

		Median (IQ) (µg/L)			
	n	Non-pregnant women	n	Pregnant women	
Total	513	73.55 (43.34-120.79)	258	62.52 (42.61-104.69)	
North East	204	68.97 (38.9-110.3)	99	64.12 (42.6-104.96)	
Urban province	200	82.08 (55.41-128.81)	109	75.31 (48.12-117.8)	
Kampot	109	76.46 (53.27-126.66)	50	51.6 (37.95-76.55)	
Non-pregnant women			Pregnant women		



Salt tested in 2016 (n=506)



% of salt					
Levels	2014	2016			
above 60 ppm	0.4%	3.4%			
between 30-60 ppm	8.0%	6.3%			
between 15-30 ppm	10.5%	24.7%			
below 15 ppm	18.9%	36.6%			
not iodized	62.2%	29.0%			
n	1,862	506			

Iodization.....

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Iodization.....







effectiveness of treatment and cleanliness and integrity of distribution system









Additional bottlenecks



Health bottlenecks

- In North East, >40% receive less than 4 ANC
- More than 40% never receive Nutrition of WASH messages
- 20% of pregnant low MUAC
- 9 19.2% (KRT) and 32.7% (RTK) not delivering in HC

32% stunting

WASH bottlenecks

- 85% (KRT), 52% (RTK) treat their water
- In NE, More than 45% do not have toilet
- More than 65% do unsafe disposal of children stools
- In HC, Poor environmental hygiene environment both outdoor & indoor of facility

Nutrition bottlenecks

- Still high level of acute malnutrition
- >50 of the bobor too thick
 - After 12 months old, more than 70% eating each time less than ½ bowl

Other bottlenecks

- Double burden in PP
- In RTK, 42% children do not have birth certificate (21% in PP and 29.5% in KRT)

Conclusion



The impact of Education investment will be limited if we are not dealing with all the issues presented above

The recent 2016 Global Nutrition report: "*if we continue with business as usual, the world will not meet the global nutrition adopted by the World Health Assembly"* and therefore full growth of our children.

THANKYOU

Longitudinal survey:

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Formative research





