



MATERNAL AND CHILD HEALTH

In the town of San Antonio, Belize, 25 children died as a result of severe dehydration. It was later discovered that the pathogen causing the outbreak was Rotavirus. A similar pattern of cases repeated annually. Under 5 mortality is 14 per 1000 live births and diarrheal illness remains a top 10 cause of morbidity and mortality in this population. A 2016 MICS survey was conducted by UNICEF in which it was noted that only 55% of children under 5 received oral rehydration solution (ORS) when seeking care for diarrhea.

Rotary Club of Belize, in conjunction with the Ministry of Health, propose to implement a project to introduce the rotavirus vaccine at 2 and 4 months to all children and in all live births. Twenty-thousand doses of Rotarix will be procured and 10 Public Health Nurses will be recruited to administer the vaccine and carry out training in the communities they are responsible to serve. This project also aims to train 400 community health workers (CHWs) on treating diarrheal illness using ORS and zinc sulfate. In parallel, Rotarian healthcare professionals will collaborate with the Ministry of Health to develop supplemental training materials that will be integrated into annual CHW training. A one-year supply of ORS and Zinc will be also procured through this Rotary project, to initiate the Rotarix vaccination and treatment campaign.



MATERNAL AND CHILD HEALTH LOGFRAME ANSWER KEY

INPUT	OUTPUT	OUTCOME	IMPACT
The resources invested in a project	The immediate results of a project	The short-term or intermediate results of a project	The positive, long-term changes resulting from our actions
10 Public Health Nurses (PHNs)	25 public health nurses trained to administer Rotarix, trained in public health vaccine education, prevention of diarrheal disease, and treatment Indicator: Number of public health nurses trained	Improved knowledge and acceptance of Rotarix vaccination among local population	Decrease in the incidence of diarrheal illness in children <5 yrs
Public Health Trainers (Ministry of Health)		High rotavirus vaccination coverage	
20,000 procured vaccines	20,000 vaccines administered to children <5 yrs. Indicator: Number of rotavirus vaccine doses administered to children <5yrs.	Indicator: Number of doses of Rotarix given/number of eligible children in the population	Decreased <5 yrs morbidity and mortality from diarrheal illness
Ministry of Health Public Health Surveillance Team			
Community Health Workers (CHW)	400 community health workers trained to treat diarrheal diseases with ORS and Zinc Indicator: Number of CHWs trained in treating diarrheal illness	Children <5 yrs receive ORS and Zinc sulphate treatment when seeking treatment for diarrhea Indicator: Increased number of children under 5 yrs treated with ORS and Zinc sulphate when seeking treatment for diarrhea	Increased Ministry of Health capacity for responding to diarrheal illness
Rotary healthcare volunteers (time & expertise)	Community Health Worker training manual developed	Increased capacity of CHWs to respond to diarrheal illness	
Community Heath Worker Trainers from Ministry of Health	Indicator: Presence of CHW training manual on treatment for diarrheal illness		
ORS and Zinc Sulphate			