

# Zinc & Health Quarterly Newsletter

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## Teck and UNICEF Canada Partner to Save Lives in India

In April, Teck and UNICEF Canada launched a new program under the Zinc Alliance for Child Health (ZACH) to save the lives of more than 150,000 children in India by scaling up the use of zinc supplementation and oral rehydration salts (ORS), and strengthening health care systems across the country. The five-year program aims to save the lives of children in Uttar Pradesh, Odisha and Madhya Pradesh — three states with the highest burden of childhood diarrhea.

Today, almost one quarter of all worldwide deaths of children under the age of five occur in India. Of these, nearly 225,000 are caused by diarrhea. And, while many lives could be saved by zinc

supplementation and ORS, only 2% of India's children currently have access to this life-saving therapy.

India is the fourth country in which Teck is working, as a founding partner in ZACH, to bring life-saving therapeutic zinc treatments to those who need it most. Other countries include Ethiopia and Burkina Faso, announced in February 2013, and Senegal, where, since the pilot project was launched in May 2012, nearly 39,000 zinc treatments have been supplied to health facilities and more than 8,000 cases of diarrhea in children under the age of five have been treated with zinc and ORS.

## Run for the Runs Spreads the Word About Zinc

In May, the Micronutrient Initiative, Teck's partner in the Zinc Alliance for Child Health, held its second annual Run for the Runs campaign in conjunction with the Ottawa Race Weekend. Run for the Runs raises awareness about the devastating effects of diarrheal illness, and how a simple zinc treatment can save a child's life. This year, the number of participants tripled and thousands of people learned about the importance of zinc for human health. Teck matched all donations with funds benefiting Zinc Saves Kids.



Photo courtesy of the Micronutrient Initiative



## Zinc & Health at BC Mining Week Community Fair

Zinc & Health Communications Coordinator Alannah Cervenko (left) and Communications Coordinator Kathleen Reid (right) take a moment to pose in front of the Zinc & Health exhibit at this year's BC Mining Week Community Fair, held in May. During the event, hosted by MineralsEd and the Association for Mineral Exploration BC as part of BC Mining Week, more than 250 students stopped by to learn more about Zinc & Health and find answers for their Junior Explorer guides.

## We Need Zinc to Think (Without a Calculator!)

Zinc is essential for human health, particularly brain development in children. This zinc quick fact is one of many recently learned by a group of fourth and fifth graders at Ramsey Magnet Elementary School in Idaho.

Through Teck's sponsorship of the school's math enrichment program, we were able to share with students the facts about zinc and its importance to human health, particularly during childhood development.

Pictured here are a few of the students who participated in the math enrichment program, meeting for two hours every week for two months outside their regular class time to practise their math skills and prepare for the annual Math is Cool competition. The team placed sixth overall out of 33 teams. Congratulations!

Many thanks to Curtiss Eshram of Red Dog Operations and his wife, Lynda, for submitting this photo and story, and for bringing Zinc & Health to Idaho.





## GBCHealth Commends Zinc & Health

Teck was recently celebrated as a commended company for our Zinc & Health program at the annual GBCHealth Business Action on Health Awards held in New York City in May. The awards recognize the best corporate programs developed to address global health needs.

GBCHealth is a coalition of more than 200 member companies and organizations committed to investing their resources to making a healthier world for their employees, for the communities in which they work and for the world at large.

The commendation recognizes Teck's efforts to raise awareness about zinc deficiency worldwide and provide both short- and long-term solutions. Teck is one of only three companies to receive commendations in GBCHealth's "Community Investment: General" category in 2013.

## USAID, UNICEF and WHO Global Action Plan Tackles Pneumonia and Diarrhea in Children

In April, three of the world's most influential health organizations — USAID, UNICEF and the World Health Organization (WHO) — launched a new global action plan to tackle two of the leading causes of death in children under the age of five: pneumonia and diarrhea.

Each year, nearly seven million children under the age of five die from acute illness. Of these, 1.24 million die from pneumonia and 760,000 die from diarrhea. The Integrated Global Action Plan for the Prevention and Control of Pneumonia and Diarrhea (GAPPD) brings together more than 100 health agencies, non-government

organizations, private sector businesses and other groups to help prevent the deaths of nearly two million children from pneumonia and diarrhea annually.

To achieve this goal, the 10-year plan aims to provide 90% of the world's children under the age of five with access to antibiotics for pneumonia, and life-saving zinc treatments and oral rehydration salts (ORS) for diarrhea by 2025, thereby tripling current access rates.

The GAPPD sets out to protect child health beginning at birth. Infants will be kept healthy through breastfeeding, and complementary feeding and supplements. Vaccinations, improved hygiene and

sanitation, HIV prevention, and simple hygienic practices, like hand washing, will be among the preventative measures in place to protect children during their first five years. For children who become ill, the availability of antibiotic treatments as well as zinc and ORS will also be improved.

Teck and Zinc & Health support the GAPPD and are looking forward to working with the various organizations to reduce child mortality around the world.

## New Zinc & Health Captain at LCO



Adrienne Patterson, Mining Engineer and our Zinc & Health Captain at Line Creek Operations (LCO), has recently begun a one-year internship at Carmen de Andacollo in Chile. Thank you, Adrienne, for helping to raise awareness about Zinc & Health and good luck in Chile!



During Adrienne's absence, Cost Analyst Anne Keery will become LCO's Zinc & Health captain. Anne's interest in Zinc & Health stems from her study of International Development as part of her undergraduate degree. She is looking forward to spreading the word about zinc and its importance to human health in her role as captain at LCO and as Vice President of the local chapter of Women in Mining. Welcome, Anne!

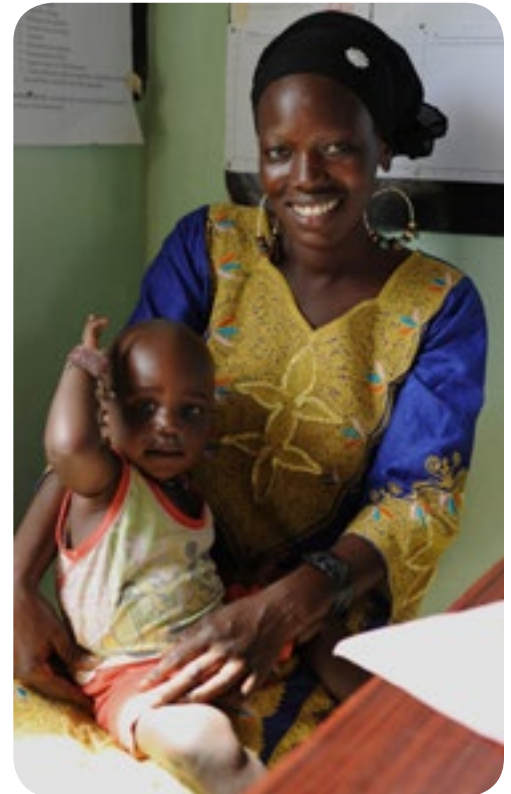
## Zinc & Health: ZACH in Senegal — A Pilot Project Update



Running through the village of Ngomène Keur Attou, in the district of Thiënaba in Senegal, are just a few of the children who have received life-saving therapeutic zinc treatments as part of the Zinc Alliance for Child Health (ZACH) initiative, of which Teck is a founding partner. Since the Senegal pilot project was launched in May 2012, nearly 39,000 zinc treatments have been supplied to health facilities and more than 8,000 cases of diarrhea in children under the age of five have been treated with zinc and oral rehydration salts.



Yade, head nurse for a health clinic in Thies, Senegal, oversees the community health workers and the home-based care providers in his region. He's seen the number of repeat diarrhea cases decrease in his area, thanks in part to the Zinc Alliance for Child Health.



Fama Gaye sits at a health clinic in Ngass, Senegal with her 10-month-old son, Adaman Miang. Adaman's diarrhea was treated with zinc and oral rehydration salts as part of the Teck-funded ZACH project.



A mother brings her child for treatment at a health clinic in Thies, Senegal, where Teck-funded ZACH supplies are making a difference in the health outcomes of children in the region.



## Turkey Almond Casserole

Turkey is an excellent source of zinc. One cup provides half of your daily recommended intake. Almonds are also rich in zinc and make for a delicious, crunchy topping to this easy to make casserole.

**Prep: 20 minutes**

**Bake: 20 minutes**

**Serves four**

### Ingredients

- 2 cups uncooked egg noodles
- 1 package (9 ounces) frozen broccoli florets
- 2 tablespoons butter
- 2 tablespoons all-purpose flour
- 1 teaspoon salt
- ½ teaspoon ground mustard
- ¼ teaspoon pepper
- 1½ cups milk
- 1 cup shredded Swiss cheese
- 2 cups cubed cooked turkey
- ½ cup slivered toasted almonds

Cook noodles and broccoli according to package directions then place together in a large bowl.

In a large saucepan, melt the butter. Stir in flour, salt, mustard and pepper until smooth. Gradually stir in milk. Bring to a boil; cook and stir for 2 minutes or until thickened. Remove from the heat. Stir in cheese until melted. Add the turkey and pour over noodle mixture.

Transfer to a greased 1½-qt. baking dish. Sprinkle with almonds. Bake uncovered at 350°F for 20–25 minutes, or until heated through.



Attendees at National We Day in Ottawa pose for a group photo before the event. Photo courtesy of Free The Children

## One Tweet, One Life Twitter Campaign Concludes at National We Day in Ottawa

Our One Tweet, One Life Twitter campaign, launched last September as part of our partnership with Free the Children and in support of We Day events across Canada, concluded in April at National We Day in Ottawa. The Ottawa event was the fifth of five We Day events in Canada sponsored by Teck. Others included those in Toronto, Vancouver, Alberta (Calgary) and Montreal.

One Tweet, One Life created an opportunity for everyone to help save a child's life while raising awareness about the devastating effects of zinc deficiency. For every retweet of our We Day message,

Teck donated CAD\$0.50 to Zinc Saves Kids, which supports UNICEF programs that provide life-saving zinc treatments.

Response to the campaign was overwhelming. By the time One Tweet, One Life concluded, our We Day message had reached an audience of more than five million Twitter users and been retweeted more 22,000 times.

We Day 2013–2014 kicks off in September in Toronto. Details about this year's awareness activities are coming soon!

# Our Progress at a Glance

Since launching our Zinc & Health program, Teck has partnered with numerous international organizations to improve awareness about zinc deficiency, enhance distribution systems, reduce instances of zinc deficiency in developing countries and

ultimately improve human health. Below is a snapshot of the progress we have made and where our Zinc & Health program is making a difference. For more information, visit [www.zincsave lives.com](http://www.zincsave lives.com) or follow us on Twitter at [@zincsave lives](https://twitter.com/zincsave lives)

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