

The **Global Network**, based at the **Sabin Vaccine Institute**, is an alliance formed at the Clinton Global Initiative that aims to alleviate the great physical, emotional and economic suffering caused by neglected tropical diseases. NTDs are the most common affliction of the “poorest of the poor”—one billion people living on less than \$2 per day. NTDs kill, blind, disable, disfigure, and keep its victims in an unending cycle of poverty. The Global Network is fostering an integrated NTD control strategy that simultaneously treats 7 NTDs—safely, effectively and affordably—\$0.50 per person per year—and, in turn, helps the world’s poorest lead healthier lives and reach their human potential.

## The Seven Most Common NTDs:

### *Soil Transmitted Helminth Infections*

#### Ascariasis

- **807 million cases worldwide**
- Most common human worm infection.
- Causes impaired physical growth and cognitive development
- Attributed to **60,000 deaths per year**

#### Trichuriasis (Whipworm)

- **604 million cases worldwide**
- Causes loss of blood and nutrients which impairs physical and cognitive development

#### Hookworm

- **600 million cases worldwide**
- One of the most serious parasitic maternal-child health problems
- Causes blood loss leading to iron-deficiency anemia, protein malnutrition and mental and physical disabilities

### *Other Common NTDs*

#### Schistosomiasis

- **200 million people are infected**
- 120 million people are suffering with symptoms
- 280,000 people die from Schistosomiasis each year
- 2<sup>nd</sup> most parasitic disease after Malaria

#### Lymphatic Filariasis

- **120 million people are infected**
- 40 million people are suffering with symptoms
- One billion people are at risk in 83 countries
- Results in **\$2 billion in lost productivity**

#### Trachoma

- The **world’s leading cause of preventable blindness**
- Infects 84 million people, 8 million of which have visual impairment
- Women and children are affected disproportionately

#### Onchocerciasis (River Blindness)

- **37 million people are infected**
- 110 million people in 35 countries are at risk.
- 500,000 people are severely visually impaired from this disease, 270,000 of which are blind
- Causes debilitating itching, disfiguring skin lesions, and eye disease.

### About the Global Network:

An integrated, NTD control strategy is being fostered by the Global Network for NTD Control, based at the Sabin Vaccine Institute. The Global Network works with ministries of health and pharmaceutical companies, who provide free or low-cost drugs comprising a “rapid impact package.” Global Network members include: Earth Institute at Columbia University; Liverpool School of Tropical Medicine; Global Alliance for the Elimination of Lymphatic Filariasis; Helen Keller International; International Trachoma Initiative; Schistosomiasis Control Initiative; Sabin Vaccine Institute and Task Force for Child Survival and Development.

### Rapid Impact Package:

- Four drugs to treat 7 NTDs
- Majority of drugs donated
- One or two doses per year
- As little as \$0.50 per person per year

1. Albendazole (GSK) or Mebendazole (J&J)
2. Diethylcarbamazine or Ivermectin (Merck)
3. Praziquantel
4. Azithromycin (Pfizer)

**\$0.50 all inclusive**

**DRUGS**  
+ delivery  
+ equipment  
+ health education materials  
+ training of personnel  
+ monitoring and evaluation

**\$ 0.50 per person per year**

### **NTD control, in context with deworming a dog in the United States:**



\$50/yr



\$0.50/yr

For every dog we deworm in the U.S., we could deworm 100 people in Africa

