Aim of the game

• You are a philanthropist/WHO employer

• If you land on a country you can help the country by donating money for treatment centre or sanitation works.

• If someone lands on one of your treatment centres they have to donate money to you to treat that disease

• Person with the most money at the end of the game wins
University of Manchester

University

If you own 1 university receive $25million
If you own 2 universities receive $50million
If you own 3 universities receive $100million
If you own 4 universities receive $200million

Mortgage value $250 million
UNIVERSITY OF MANCHESTER

MORTGAGED FOR $250m

Card must be turned this side up if property is mortgaged
Sao Paulo University

University

If you own 1 university receive $25million
If you own 2 universities receive $50million
If you own 3 universities receive $100million
If you own 4 universities receive $200million

Mortgage value $250 million
SAO PAULO UNIVERSITY

MORTGAGED FOR $250m

Card must be turned this side up if property is mortgaged
National University of Singapore (NUS)

University

If you own 1 university receive $25\text{million}$

If you own 2 universities receive $50\text{million}$

If you own 3 universities receive $100\text{million}$

If you own 4 universities receive $200\text{million}$

Mortgage value $250\text{ million}$
NATIONAL UNIVERSITY OF SINGAPORE (NUS)

MORTGAGED FOR $250m

Card must be turned this side up if property is mortgaged
University of Cape Town

University

If you own 1 university receive $25million
If you own 2 universities receive $50million
If you own 3 universities receive $100million
If you own 4 universities receive $200million

Mortgage value $250 million
UNIVERSITY OF CAPE TOWN

MORTGAGED FOR $250m

Card must be turned this side up if property is mortgaged
Water Works

Utility Card

If you own one Utility card build 10,000 wells worldwide. Cost per well $7000.
Total cost = $7000 x 10,000 = $70 million

If you own two Utility cards build 20,000 wells worldwide. Cost per well $7000.
Total cost = $7000 x 20,000= $140 million

Mortgage value $150 million
WATER WORKS

MORTGAGED FOR $150m

Card must be turned this side up if property is mortgaged
Sewage Works

Utility Card

If you own one Utility card you receive money to build 1 million toilets worldwide.
Cost per toilet $100
Receive= $100x 1 million = $100 million

If you own two Utility card you receive money to build 2 million toilets worldwide.
Cost per toilet $100.
Receive= $100x 2 million = $200 million

Mortgage value $62 million
SEWAGE WORKS

MORTGAGED FOR $62m

Card must be turned this side up if property is mortgaged
South Africa

Major infective disease **HIV**
Population infected 6.1 million

Send health workers over to help. Pay $50 million

- HIV testing centres
  - Supply 20 million rapid diagnostic tests
  - Pay = $10x20million = **$200 million**

- Research centres
  - Donate money for HIV vaccine research
  - Pay = **$600 million**

- HIV Treatment centres
  - Treat everyone with antiretroviral therapy
  - Pay = $100x6.1 million = **$1400 million**

Building cost $200 million each
Mortgage value $200 million
SOUTH AFRICA

MORTGAGED FOR $375m

Card must be turned this side up if property is mortgaged
Population affected each year in Uganda by <b>malaria</b> – 10.6 million

Send health workers over to help. Pay <b>$35 million</b>

<table>
<thead>
<tr>
<th>Treatment centres</th>
<th>Treat everyone with malaria.</th>
<th>Pay = &lt;b&gt;$175 million&lt;/b&gt;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Net distribution centres</th>
<th>Provide nets for the population of Uganda</th>
<th>Pay = &lt;b&gt;$500 million&lt;/b&gt;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Research centres</th>
<th>Fund malaria vaccine research for one year.</th>
<th>Pay = &lt;b&gt;$1100 million&lt;/b&gt;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hospital cost</th>
<th>$200 million each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortgage value</td>
<td>$200 million</td>
</tr>
</tbody>
</table>
UGANDA

MORTGAGED
FOR $281m

Card must be turned this side up if property is mortgaged
Population affected each year in Nigeria by **hookworm** - 38 million

Send health workers over to help. Pay **$28 million**

- **Treatment centres**
  - Treat everyone infected with de-worming drugs
  - Pay = **$150 million**

- **Sewage Works**
  - Build 1 million toilets
  - Pay = **$450 million**

- **Shoe Factory and Distribution centre**
  - Make a pair of shoes for the 20 million barefoot children in Sub Saharan Africa
  - Pay = **$1000 million**

Hospital cost $200 million each
Mortgage value $200 million
NIGERIA

MORTGAGED
FOR $275m

Card must be turned this side up if property is mortgaged
Democratic Republic of Congo

Population affected each year in the DR Congo by **whipworm** - 26 million

Send health workers over to help. Pay **$26 million**

- Treatment Centres
  - Treat everyone infected with de-worming drugs.
  - Pay = $1x26 million = **$130 million**

- Sewage Works
  - Build 1 million toilets
  - Pay = **$390 million**

- Water Works
  - Supply clean water to 51 million people in DR Congo without access to it
  - Pay = **$900 million**

Hospital cost **$200 million each**
Mortgage value **$200 million**
DEMOOCRATIC REPUBLIC OF CONGO

MORTGAGED FOR $220m

Card must be turned this side up if property is mortgaged
Ethiopia

Population affected each year in Ethiopia by roundworm - 26 million

Send health workers over to help. Pay $26 million

- Treatment centres
  - Treat everyone infected with de-worming drugs.
  - Pay = $130 million

- Sewage Works
  - Build 1 million toilets
  - Pay = $390 million

- Water works
  - Supply clean water to 43.4 million people in Ethiopia without access to it.
  - Pay = $900 million

Hospital cost $200 million each
Mortgage value $200 million
ETHIOPIA

MORTGAGED
FOR $202m

Card must be turned this side up if property is mortgaged.
Pakistan

Pakistan is the one of only 3 countries still endemic for polio. There were 64 new cases of polio in 2013.

Send health workers over to help. Pay $24 million

Vaccination centre
Vaccinate the whole population of Pakistan
Pay = $120 million

Polio treatment centre
Buy new respiratory machines to improve polio treatment centres.
Pay $360 million

Support the disability centre.
Pay = $850 million

Hospital cost $150 million each
Mortgage value $150 million
PAKISTAN

MORTGAGED FOR $185m

Card must be turned this side up if property is mortgaged
China

13 million people in China are estimated to have the **hepatitis C virus** (HCV).

<table>
<thead>
<tr>
<th>Activity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test blood donor screening and testing</td>
<td>$110 million</td>
</tr>
<tr>
<td>Fund vaccine research</td>
<td>$3300 million</td>
</tr>
<tr>
<td>Treat 100,000 patients for 1 year</td>
<td>$800 million</td>
</tr>
<tr>
<td>Hospital cost</td>
<td>$150 million each</td>
</tr>
<tr>
<td>Mortgage value</td>
<td>$150 million</td>
</tr>
</tbody>
</table>

Send health workers over to help. Pay **$22 million**
CHINA

MORTGAGED FOR $160m

Card must be turned this side up if property is mortgaged
India

Population affected each year in India by TB – 8.6 million

Send health workers over to help. Pay $22 million

Diagnosis centre
Diagnose all HIV-positive people in India
Pay = $110 million

Treatment centre
Treat everyone in India with TB
Pay = $330 million

Specialized TB Hospital
Treat everyone in India with multidrug resistant TB.
Pay $800 million

Hospital cost $150 million each
Mortgage value $150 million
INDIA

MORTGAGED FOR $64m

Card must be turned this side up if property is mortgaged
Indonesia

Roughly 500,000 people in Indonesia get Typhoid fever each year in Indonesia.

Send health workers over to help. Pay $20 million

Treatment centre
Treat everyone with typhoid fever.
Total cost = $100 million

Water Works
Build 20,000 wells for the 40 million people in Indonesia without access to a safe water supply.
Pay = $300 million

Vaccination centre.
Vaccinate the whole population of Indonesia.
Pay = $750 million

Hospital cost $150 million each
Mortgage value $150 million
INDONESIA

MORTGAGED
FOR $114m

Card must be turned this side up if property is mortgaged
Shistosomiasis (Bilharzia) is one of the major infective diseases in this country affecting 6.7 million people each year.

Send health workers over to help. Pay $18 million

- Treatment centres
  - Treat everyone infected with de-worming drugs.
  - Pay = $90 million

- Snail control by environmental modification and pesticide.
  - Pay = $250 million

- Sewage Works
  - Build 1 million toilets
  - Pay = $700 million

Hospital cost $150 million each
Mortgage value $150 million
THE PHILIPPINES

MORTGAGED FOR $108m

Card must be turned this side up if property is mortgaged
Bangladesh

77.2 million people require preventative chemotherapy in Bangladesh for **lymphatic filariasis (elephantitis)**.

Send health workers over to help. Pay **$18 million**

- Health clinic
  - Start a mass drug administration campaign stop transmission of lymphatic filariasis.
  - Pay=$1x77 million = **$90 million**

- Disability centre
  - Support patients affected by elephantitis
  - Pay= **$250 million**

- Net distribution centres
  - Provide 40 million nets
  - Pay = $5x40 million= **$700 million**

Hospital cost $150 million each
Mortgage value $150 million
BANGLADESH

MORTGAGED FOR $106m

Card must be turned this side up if property is mortgaged
Mexico

Population infected in Mexico with brain tapeworm (neurocysticercosis) – 12 million


- Food hygiene awareness campaign
  Pay = $80 million

- Hospitals
  Buy 100 MRI machines to diagnose the disease.
  Pay == $220 million

- Treatment centres
  Treat everyone infected for one week
  Pay = $600 million

Hospital cost $100 million each
Mortgage value $100 million
MEXICO

MORTGAGED
FOR $104m

Card must be turned this side up if property is mortgaged
Peru

61 cases of **yellow fever** in Peru in 2005
Causing 31 deaths 50% mortality rate.

Send health workers over to help. Pay **$14 million**

- **Vaccination centre**
  - Vaccinate 2 million people against yellow fever.
  - Pay = **$70 million**

- **Insecticide Factory**
  - Make 1 million litres of insecticide to prevent transmission of dengue fever.
  - Pay = **$200 million**

- **Treatment research**
  - Research new treatments for yellow fever
  - Pay = **$550 million**

Hospital cost $100 million each
Mortgage value $100 million
PERU

MORTGAGED FOR $74m

Card must be turned this side up if property is mortgaged
Ongoing cholera outbreak in Haiti since October 2010. As of 17/10/2013 684,085 cases and 8,361 deaths have been reported.

Send health workers over to help. Pay $14 million
- Hospital
  - Treat 500,000 hospitalised patients
  - Pay = $70 million
- Vaccination Centre
  - Give a cholera vaccine to all the people in Haiti who don’t have access to clean water.
  - Pay = $200 million
- Water Works
  - Supply clean water to the 32 million people in central and south America without access to it.
  - Pay = $550 million

Hospital cost $100 million each
Mortgage value $100 million
HAITI

MORTGAGED FOR $63m

Card must be turned this side up if property is mortgaged
Brazil

Brazil reported that more than 200,000 people were infected with dengue fever in the first seven weeks of 2013.

Send health workers over to help. Pay $12 million

Research Centre
Fund dengue vaccine research.
Pay = $60 million

Hospitals
Treat 80,000 hospitalised patients
Pay = $180 million

Insecticide Factory
Make 1 million liters of insecticide to prevent transmission of dengue fever.
Pay = $500 million

Hospital cost $100 million each
Mortgage value $100 million
BRAZIL

MORTGAGED FOR $56m

Card must be turned this side up if property is mortgaged
Bolivia has the highest incidence of cutaneous *leishmaniasis* in Latin America with 33 cases per 100,000 population.

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment Centre</td>
<td>Pay = $50 million</td>
</tr>
<tr>
<td>Research Centre</td>
<td>Pay = $150 million</td>
</tr>
<tr>
<td>Insecticide Factory</td>
<td>Pay = $450 million</td>
</tr>
<tr>
<td>Hospital</td>
<td>hospital cost $100 million each</td>
</tr>
<tr>
<td>Mortgage value</td>
<td>mortgage value $100 million</td>
</tr>
</tbody>
</table>
BOLIVIA

MORTGAGED FOR $49m

Card must be turned this side up if property is mortgaged
Population affected each year by HIV in USA – 1.1 million

Support healthcare. Pay $10 million.

- Diagnosis Centres
  Diagnose everyone with HIV
  Pay = $50 million

- Research Centres
  Fund HIV vaccine research for one month
  Pay = $150 million

- Treatment Centres
  Treat everyone with antiretroviral therapy for one year.
  Pay = $450 million

Hospital cost $100 million each
Mortgage value $100 million
UNITED STATES OF AMERICA

MORTGAGED FOR $46m

Card must be turned this side up if property is mortgaged
Norway

Norway had the highest intensity of influenza throughout Europe during the first week of 2013.

Support healthcare. Pay $8 million.

- Vaccination centre
  - Vaccinate the 750,000 over 65s in Norway who are at risk of flu complications.
  - Pay = $40 million

- Hospital for Respiratory Infections
  - Treat 10,000 patients with flu complications
  - Pay = $100 million

- Vaccine Research centre
  - Manufacture a new influenza vaccine.
  - Pay = $300 million

Building cost $50 million each
Mortgage value $50 million
NORWAY

MORTGAGED FOR $41m

Card must be turned this side up if property is mortgaged
Slovakia

Slovakia has the highest rate of **salmonellosis** in Europe. In 2008 there were 6,849 confirmed cases of salmonellosis.

**Support healthcare. Pay $6 million.**

- Hospital for Gastrointestinal infections.
  - Treat hospitalised patients with salmonella infection. Pay= **$30 million.**

- Food Standards Agency centre
  - Support a national campaign to raise awareness of food safety to prevent transmission of salmonella. Pay= **$90 million.**

- European Food Safety Authority centre
  - Monitor rates of salmonella throughout Europe. Pay= **$270 million.**

**Hospital cost $50 million each**
**Mortgage value $50 million**
SLOVAKIA

MORTGAGED FOR $36m

Card must be turned this side up if property is mortgaged
Each year an estimated 4,900 cases of primary \textbf{Toxoplasma} infection occur in pregnant women in France.

**Support healthcare. Pay $6 million.**

- Treatment centre
  - Treat pregnant women with toxoplasma infection.
  - Pay=$30 \text{ million}

- Centre for Disease Control and Prevention
  - Support a national campaign to raise awareness of hygiene to prevent transmission of toxoplasma.
  - Pay=$90 \text{ million}

- Disability centre
  - Provide care for the newborn babies who develop learning difficulties or impaired vision.
  - Pay=$270 \text{ million}

<table>
<thead>
<tr>
<th>Hospital cost</th>
<th>$50 million each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortgage value</td>
<td>$50 million</td>
</tr>
</tbody>
</table>
FRANCE

MORTGAGED FOR $30m

Card must be turned this side up if property is mortgaged
Italy

Italy has one of the highest rates of **measles** in Europe. It reported 1367 cases of measles from 2011-2012. It also has one of the lowest rates of MMR vaccination in Europe, only half the population has had both doses of the vaccine.

Support Healthcare. Pay **$4 million**.

- Health centre
  - Diagnose and treat patients with measles.
  - Pay **$20 million**
- Vaccination centre
  - Vaccinate every baby that is born in Italy
  - Pay = **$60 million**
- Eradication Program
  - Donate money to help eradicate measles worldwide. Pay=$**180 million**

**Hospital cost $50 million each**
**Mortgage value $50 million**
ITALY

MORTGAGED FOR $29m

Card must be turned this side up if property is mortgaged
United Kingdom

2.2 million people in the UK are infected with **threadworm** (also called pinworm).

Support the NHS. Pay **$2 million**.

<table>
<thead>
<tr>
<th>Treatment centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treat everyone infected with de-worming drugs.</td>
</tr>
<tr>
<td>Pay = $5 \times 2.2 \text{ million} = <strong>$10 million</strong></td>
</tr>
</tbody>
</table>

Low rates of worm infections in developed countries correspond to higher rates of autoimmune diseases.

- **Allergies treatment centre**
  - Buy antihistamines to treat patients with hay fever. Pay **$30 million**

- **Crohn’s research centre**
  - Research new worm therapies to treat Crohn’s disease. Pay **$90 million**

<table>
<thead>
<tr>
<th>Hospital cost $50 million each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortgage value $50 million</td>
</tr>
</tbody>
</table>

Hospital cost $50 million each
Mortgage value $50 million
UNITED KINGDOM

MORTGAGED
FOR $8m

Card must be turned this side up if property is mortgaged
First Aid
You receive $20 million to start a childhood vaccination program. Vaccinating every child against measles creates herd immunity against measles. Don’t pay next time you land on Italy. Keep until used. Use only once.

You have developed an Influenza Vaccine. You become immune to influenza and don’t pay next time you land on Norway. Card lasts **one use** as the influenza virus changes so the vaccine no longer works.

You received a large donation of shoes. You can donate these shoes instead of paying the next time you land on Nigeria. Keep until used. Use only once.

You get a large donation of mosquito nets. Donate these nets to prevent transmission of mosquito transmitted diseases. Use instead of paying the next time you land on Uganda, Bangladesh, Brazil or Peru. Keep until used. Use only once.

New wells are built creating a clean water supply. Don’t pay next time you land on Indonesia or Haiti. Keep until used. Use only once.

New toilets are built, preventing transmission of intestinal worms. Don’t pay next time you land on Ethiopia, Democratic republic of Congo or Nigeria. Keep until used. Use only once.
Congratulations India is no longer endemic for polio.

You get $50 million.

You receive antiviral drugs to treat HIV.

You can donate these drugs instead of paying next time you land on South Africa.

Keep until used. Only use once.

Congratulations you helped eradicate guinea worm in 187 countries. Only four African countries left; Chad, Ethiopia, Mali and South Sudan.

You receive $50 million.

Congratulations you have just vaccinated the 100 millionth person against meningitis.

Receive $100 million.

Congratulations you helped the World Health Organization eradicate smallpox worldwide.

Receive $100 million.
Severe flooding causes a cholera outbreak.
Pay $50 million to prevent further spread of disease.

Typhoon hits the Philippines.
Pay $10 million to send health workers to prevent a disease outbreak.

You have become infected with measles. It is highly contagious.
Go directly to quarantine.
If you pass GO do not collect $200 million.

Low vaccination rates cause measles outbreak in Swansea.
Pay $10 million to get every child and teenager vaccinated in Wales.

You have become infected with bird flu. It is highly contagious.
Go directly to quarantine.
If you pass GO do not collect $200 million.

Pay $500 million to build 5 million clean toilets in Africa.
Pay $70 million to build 10,000 wells.

These wells will provide clean water for 20 million people.

The world will be short of 13 million health-care workers by 2035.

Pay $200 million to help fund more health-care workers around the world.

New strain of tuberculosis (TB) is discovered and is resistant to all current drugs.

Pay $200 million to research new drugs to treat this strain of TB

Global warming brings plague of mosquitos to North America and Europe.

Pay $50 million to prevent to spread of mosquito transmitted diseases.

Start a health education program in developing countries. To prevent to spread of disease.

Pay $75 million

Risk of influenza outbreak in Britain.

Pay $100 million to stockpile antivirals in case of a disease outbreak.
<table>
<thead>
<tr>
<th>Europe</th>
<th>Americas</th>
<th>Asia</th>
<th>Africa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flu -</td>
<td>Cholera haiti</td>
<td>Polio - pakistan</td>
<td>Roundworm - Ethiopia</td>
</tr>
<tr>
<td>Outbreak</td>
<td>Sewage works</td>
<td>First aid</td>
<td>Whipworm-DR Congo</td>
</tr>
<tr>
<td>norovirus</td>
<td>Tapeworm - mexico</td>
<td>Lymphatic filarisis - thailand</td>
<td>outbreak</td>
</tr>
<tr>
<td>Tax/charity</td>
<td>Dengue fever - brazil</td>
<td>Thyphoid -</td>
<td>Hookworm - Nigeria</td>
</tr>
<tr>
<td>Education – Manchester Uni MIG</td>
<td>Education – medical school</td>
<td>education</td>
<td>Education-school kids</td>
</tr>
<tr>
<td>Threadworm -</td>
<td>Yellow fever - peru</td>
<td>Hepatitis - china</td>
<td>First aid</td>
</tr>
<tr>
<td>First aid</td>
<td>outbreak</td>
<td>Schitosomiasis</td>
<td>Malaria - uganda</td>
</tr>
</tbody>
</table>