

Mini-Project #1 {Virtual Edition}

Global Fund Project

Objective(s): -

- Explore health and demographic data about a chosen country.
- Students will understand how to create and manage a global fund budget.
- Describe global health issues that are impacting a selected country.
- Create, and distribute, a budget, based on a country's GDP, to help with global health issues.

Students will complete a power point presentation and a paper report, based on questions and answers. The power point presentation will be based on the report.

Please READ this document as a group for things to consider when developing your budget.

<https://apps.who.int/iris/bitstream/handle/10665/250221/9789241549745-chapter8-eng.pdf?sequence=11&isAllowed=y>

Paper Reports are to be set up like a case study.

Reports Include: -

- **Title Page**
- **Abstract**
- **Table of Contents**
- **Questions**
- **Conclusion**
- **Bibliography**

Step #1

Students should first, visit The Global Fund's website at <http://www.theglobalfund.org/en/>. Explore the website to determine the scope of the Global Fund, its core mission, and current priorities. Review the summaries of three funded projects to get a sense of the types of projects the Global Fund supports and how to make a successful appeal.

To review successfully funded proposals, go to <http://www.theglobalfund.org/en/fundingdecisions/?lang=en>. Under the "Round Based Channel" link, click any of the numbers (the highest number is the most recent). Then scroll down to the 'Documentation' heading, under which you can review funded proposals. Note that summaries are often embedded within the proposal, not the first component. The Global Fund has recently transformed their funding model. Examples of "new" and "transitional" funding decisions are also available on this page.

Question(s) for the Report

1. (100-150 words) What did you learn about making a successful proposal from the summaries of the funded proposals? Think particularly about how the summary efficiently connects a problem to a solution. What types of intervention (medications, health systems, human resources, all of the above?) does the Global Fund appear to be supporting at this time?

Your next task is to **select a country for which you will write a Global Fund proposal.** You should select a country from the list below that interests you. You should be fluent in the language of most major health documents produced about/by the country. Also, your next assignment will ask you to identify health gaps in the arenas of HIV/AIDS, tuberculosis, malaria, maternal and child care, or immunization coverage, so you might do some preliminary work here to inform your decision. You do not need to have selected a disease or indicator yet, however.

Mozambique	Uganda	Malawi	Kenya	Zambia
Rwanda	Ivory Coast	Sudan	South Africa	Nigeria
Ghana	Swaziland	Zimbabwe	Cameroon	Somalia
Lesotho	Haiti	Burkina Faso	Iran	Thailand
India (one state)	Bangladesh	Pakistan	Burma	Peru
Guatemala	Nicaragua	Honduras	Brazil	Vietnam

2. (100-150 words) What country did you choose? Why?

1. UW's Institute for Health Metrics and Evaluation (IHME)

IHME's GBD Compare Tool is a great resource for visualizing data, seeing trends, and comparing regions and countries. The tool is located here: <http://viz.healthmetricsandevaluation.org/gbd-compare/> (Links to an external site.)Links to an external site.. Before utilizing the tool, it is helpful to view the short tutorial on how to manipulate it here: <http://www.healthmetricsandevaluation.org/gbd/multimedia/video/gbd-compare-tutorial/>.

2. WHO

The WHO's Global Health Observatory (GHO) also has a lot of health statistics: (<http://www.who.int/gho/countries/en/> (Links to an external site.)Links to an external site.). After clicking on your country, explore the "country data and statistics" and "country profiles".

3. World Bank

The World Bank has a lot of development indicators available here: <http://data.worldbank.org/indicator/>. You can explore by searching the indicators and then finding your country or clicking on the "By Country" tab at the top of the page.

4. Demographic and Health Surveys (DHS)

Measure DHS is a USAID-funded project that carries out surveys in low-income countries receiving US foreign aid. Each DHS has extensive data about a specific country and can be found here: <http://www.measuredhs.com/Where-We-Work/Country-List.cfm> (Links to an external site.)Links to an external site.

For your chosen country, now answer the following questions on the background and health spending. (Individual numbers where appropriate)

1. Background and health spending

1. What is the total health expenditure per capita (USD)?
2. How does the total health expenditure per capita compare with the regional average?
3. What is the total number of physicians in the country? What is the rate of physicians/100,000 population?
4. How does the rate of physicians/100,000 population compare with the regional average?
5. What is the total number of nursing and midwifery personnel in the country? What is rate of nursing and midwifery personnel/100,000 population?
6. How does the rate of nursing and midwifery personnel /100,000 population compare with the regional average?
7. What is the total of aid commitment received?
8. How much in dollars and as a % of the total has come from the Global Fund?
9. Please list the sources of your data.

2. For your chosen country, conduct a **gap analysis** of the following diseases/indices in your country. (1 sentence max, individual numbers where appropriate)

COMMUNICABLE DISEASES

SARS COV2

1. How many people have been infected with COVID 19 (SARS COV2 **incidence**)?
2. How many people have been diagnosed with SARS COV2 and notified?
3. What proportion of people are currently having SARS COV2 (**prevalence**/100,000 population)?
4. How many people in the population have been tested for SARS COV2? What percentage of the population?
5. How many individuals are tested daily for SARS COV2? What percentage of the population?
6. How many people have been hospitalized for SARS COV2?
7. What is the **morbidity rate** for SARS COV2?
8. How does this proportion compare with the regional average and global average?
9. How many of those who have access are completing their regimens (success rate)? What is the success rate of those that have recovered from SARS COV2 when they were diagnosed?
10. What is the **mortality rate** for SARS COV2?
11. Please list the sources of your data.

INFLUENZA TYPES A & B {Questions should be answered for types A and B separately}

1. How many people have been infected with influenza type A and influenza type B (Flu A & B **incidence**)?
2. How many people have been diagnosed with influenza type A and influenza type B and notified?
3. What proportion of people are currently having influenza type A and influenza type B (**prevalence**/100,000 population)?

4. How many people in the population have been tested for influenza type A and influenza type B? What percentage of the population?
5. What is the **morbidity rate** for influenza type A and influenza type B?
6. How does this proportion compare with the regional average and global average?
7. How many of those who have access are completing their regimens (success rate)? What is the success rate of those that have recovered from influenza type A, and influenza type B, when they were diagnosed?
8. What is the **mortality rate** for influenza type A and influenza type B?
9. Please list the sources of your data.

HIV/AIDS

1. How many people are living with HIV? (HIV positives)
2. What is the **prevalence rate** for HIV/AIDS?
3. What proportion of adults is infected with HIV?
4. How many AIDS-related deaths occur per year?
5. What is **the mortality rate** for HIV/AIDS?
6. How many people need antiretroviral (ARV) therapy?
7. What proportion of people who need ARV therapy are receiving it?
8. How does this proportion compare to the regional average?
9. Please list the sources of your data.

Malaria

1. What is the prevalence rate for malaria?
2. What is the incidence rate for malaria?

3. What is the mortality rate for malaria?
4. What is the morbidity rate for malaria?
5. How many people need bed nets?
6. How many people in need have bed nets?
7. What is the size and geography of the gap?
8. How many people need malaria treatment?
9. How many people in need have access to treatment?
10. What is the size and geography of the gap?
11. Please list the sources of your data.

Tuberculosis

1. How many people get tuberculosis each year (TB **incidence**)?
2. How many people are diagnosed with TB and notified?
3. What proportion of people have active TB at any given time (**prevalence**/100,000 population)?
4. What is the **mortality** rate of TB?
5. What is the **morbidity** rate of TB?
6. How does this proportion compare with the regional average?
7. How many of those who have access are completing their regimens (success rate)?
8. Please list the sources of your data.

3. Based on the country profiles and data you found, what did you learn about your country? Did anything strike you as especially surprising? (150-200 words)

4. What do you find to be the most interesting graphic using the IHME's GBD Compare Tool?

Why? How does the visualization of data compare to the numbers you found?(100-200 words)

Please include a copy of the graphic in this file. To do this, click download at the top right of the Tool page. Click "screenshot" to save the graphic and then paste or insert it into this document. Please resize it to take up no more than 1/2 page.

5. For your country, what disease will you be choosing for the assignment?

Describe the current economic and poverty situation in your country by answering the following questions:

2. What is the GNP per capita?

Link:

3. What is the country's Human Development Index statistic?

Link:

4. Review poverty indicators and information for the country. Share this information qualitatively and quantitatively (100-200 words)

Link:

5. What is the country's general economic condition? Why is it qualified to make a Global Fund application? Does it carry a significant debt burden and how does this impact the availability of services? (100-200 words)

Link:

6. Complete the following table to better understand the health funding situation in your country.

	Total national health spending Specify year: (USD)	Spending per capita (USD)
Public		
Private		
Total		

From total, how much
is from external
donors?

Link:

7. Does the country benefit from external budget support or Highly Indebted Poor Countries (HIPC) initiatives? (2-3 sentences)

Global Fund Budget Proposal & Health Plan

- Provide **THREE** Global Health Issues {Goals} to Tackle
- **Use the document,** <https://apps.who.int/iris/bitstream/handle/10665/250221/9789241549745-chapter8-eng.pdf?sequence=11&isAllowed=y> , **to help develop your budget. It WILL take time, planning and endurance!**
- Budgeted money years one through year five
 - What is the plan for each of the five years?
 - **HOW, and WHAT SPECIFICALLY,** is the money going to be spent?
 - **What goods are needed? How many?**
 - **What services are needed? What is the cost of those services?**
- Provide (multiple) **PIE and BAR graphs** that illustrate how the money is going to be spent each year and in what areas
 - **What percent of the funds are going to used in what specific areas each year?**
- Goals for each issue years one through year five
 - What are the goals to accomplish for each of the five years?
- Provide the health interventions that are intended to be used with the help of the money being requested.
 - What is the type of health interventions to be used per year of the budget?
 - What is the cost of those health interventions?
 - Consideration Question...Does the money that you are requesting reach the population of the country that you are budgeting for?
- Thought Question: -Have you accounted for all variables relating to your budget?
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Power Point Presentation

The power point should include the following information.

- Hand drawn, and colored, map of the country
- Brief history of the country
- Notable historic leaders of the country & their capacity to lead
- Demographic Data
 - On the map, demographics of different areas of the country
 - Data represented in the form of tables and graphs
- Health & Health demographic data of different areas of the country
 - If different areas are not available, then the entire country
 - Communicable & non-communicable diseases
 - Data represented in the form of tables and graphs
- Economic Data of the Country
 - GDP {Annually for at least the last 10 years}
 - **How much out of the annual GDP is spent on health and health related issues?**
 - How is the annual budget of the country spent?
 - Healthcare, transportation, sewage, pension, etc.
 - Does the country end up in the red or black?
 - Data from previous years
 - Graphs, tables etc
- Global Health Budget proposal for the country
 - See previous page

Presentations should be timed to be no more than 8 minutes long and should have all required information. There should be no more than 20 words on a slide. Students may use notecards when presenting to supplement what is on the power point. More details will be found on the course website.