

1. Date & Time Your Team Met:

- **Date:** Saturday, 5th April 2025
- **Time:** 9:00 AM

2. Team Group Name:

- **Team Name:** InnoVision

3. What is your team's agreed-upon problem statement?

Rural communities in Ghana face persistent healthcare challenges due to a severe shortage of trained healthcare professionals. This limits access to timely and quality medical care, resulting in higher mortality rates and poor health outcomes. Implementing targeted strategies such as incentive programs, telemedicine support, and rural-based training initiatives can help attract and retain healthcare workers in these underserved areas, thereby strengthening the healthcare system and improving community well-being.

4. Share all your team roles, both primary and backup:

- **Stephen Addo** – Project Manager (*primary*); Product Manager (*backup*)
- **Joel Semanyo** – UI/UX Designer (*primary*); UX Researcher (*backup*)
- **Jessie Quartey** – Data Analyst (*primary*); Project Manager (*backup*)

- **Matthew Duodu** – Product Manager (*primary*); UI/UX Designer (*backup*)
- **Abdul Malik** – UX Researcher (*primary*); Data Analyst (*backup*)

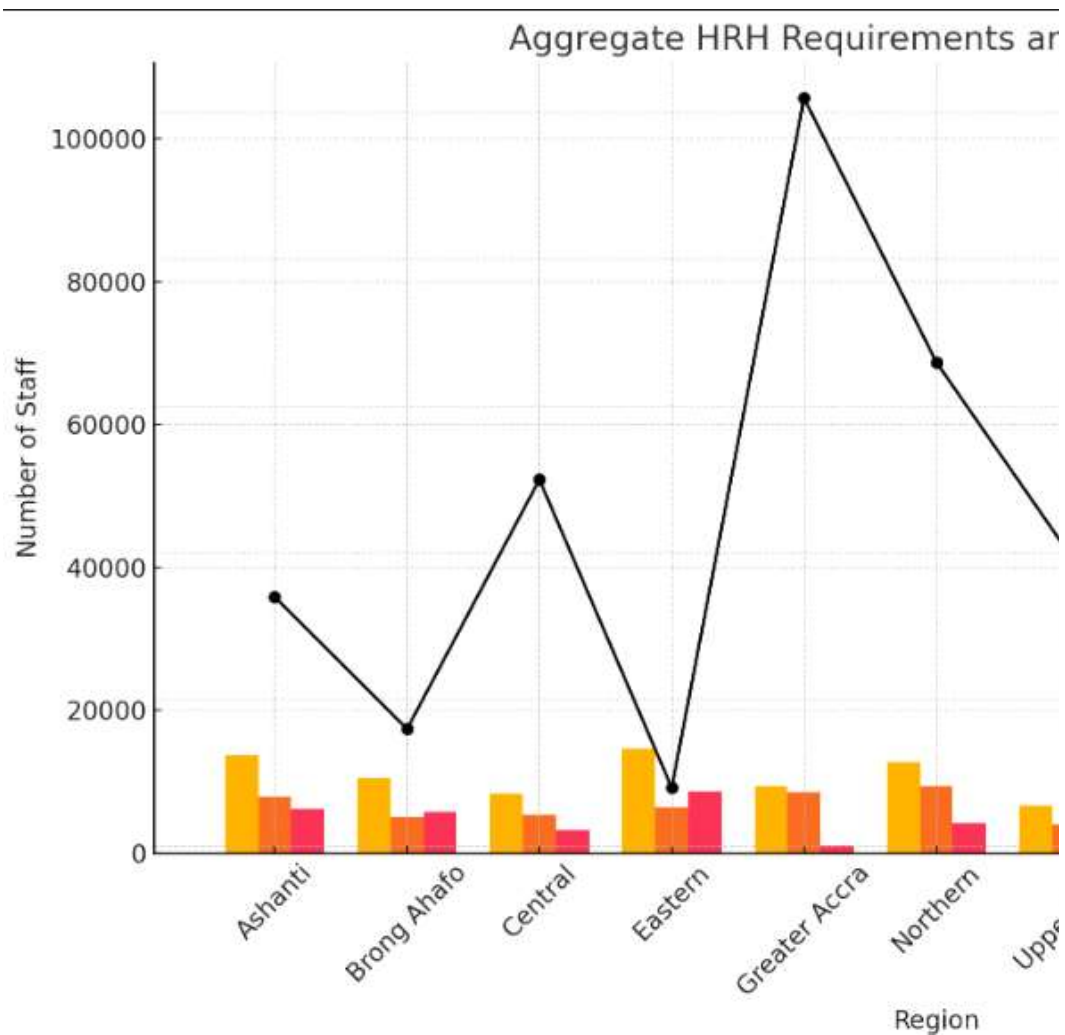
5. What is the scheduled date and time of your Week 6 team meeting?

Date: Wednesday, 9th April 2025

Time: 8:00 PM – 9:00 PM

6. Share 2 data visualizations that are relevant to your team's problem statement:

- **Healthcare Worker Density and Gap by Region in Ghana (Bar Chart)**

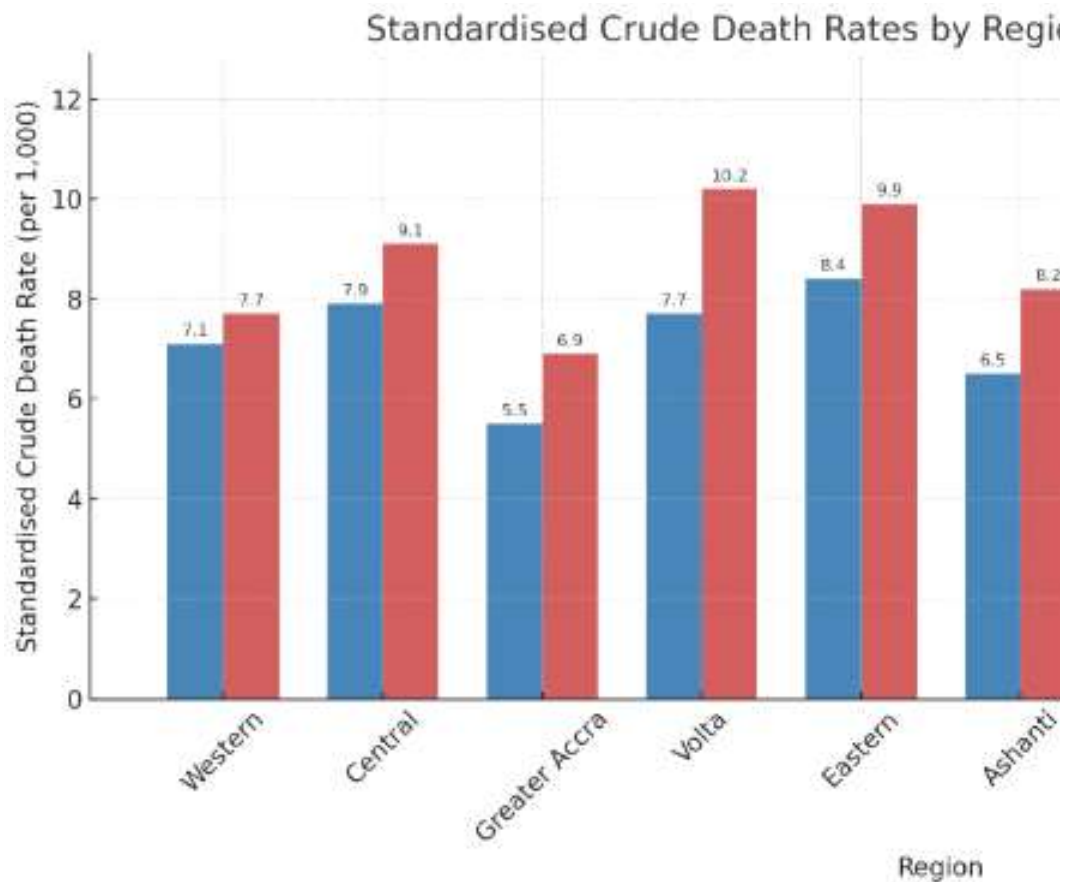


Sources:

Data obtained from: <https://apps.who.int/gho/data/node.main-afro.UHCHRH>

Chart Designed using: ChatGPT

- **Mortality Rates in Rural vs Urban Areas in Ghana (Line or Area Chart)**



Source:

<https://www.statsghana.gov.gh/gssmain/fileUpload/pressrelease/Mortality%20in%20Ghana.pdf>

7. What are your action items from the team meeting?

- **Research on Healthcare Challenges and Digital Solutions**
Responsible Person: Jessie Quartey (Primary Data Analyst) & Abdul Malik (Backup Data Analyst)
 - Gather data on the shortage of healthcare professionals in rural Ghana, focusing on healthcare access, health outcomes, and staffing challenges. Research digital health solutions like telemedicine that could be adapted to support rural healthcare.

- **Design Healthcare Data Visualizations**

Responsible Person: Joel Semanyo (Primary UI/UX Designer) & Matthew Duodu (Backup UI/UX Designer)

- Create clear and impactful visualizations that present data on healthcare worker distribution, healthcare access, and patient outcomes in rural Ghana. These will be used to communicate the problem effectively to stakeholders.

- **Evaluate Incentive Programs and Healthcare Training Initiatives**

Responsible Person: Team (Collaborative)

- Analyze and assess existing programs aimed at improving healthcare staffing in rural areas. Explore how technology can support or enhance these initiatives, and identify scalable solutions to improve healthcare delivery.

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◆ 8. In 2–3 sentences, write your analysis of each visualization:

Visualization 1 – Healthcare Worker Density by Region:

The data visualization highlights significant disparities in the distribution of health workers across regions in Ghana, revealing a widespread human resources for health (HRH) gap. While Greater Accra shows a high staff availability ratio of 91%, indicating relative adequacy, most other regions fall far short of their staffing needs, with some like Upper West and Eastern having availability ratios below 45%. Nationally, only 59% of the required health workforce is currently at post, leaving a substantial gap of 47,758 staff. This uneven distribution points to a critical need for targeted interventions to address HR shortages and promote equitable access to healthcare services across all regions.

Visualization 2 – Mortality Rates in Rural vs Urban Areas:

The data visualization illustrates standardized crude death rates per 1,000 population across Ghana's regions, comparing urban and rural areas. In nearly all regions, rural areas experience higher death rates than urban counterparts, reflecting disparities in healthcare access, infrastructure, and living conditions. Notably, Upper East (12.3) and Upper West (10.9) have the highest rural death rates, while Greater Accra shows the lowest urban rate at 5.5. Interestingly, the Northern Region is an outlier, with a slightly higher urban death rate (6.7) than rural (5.9). The national average also reflects this trend, with rural areas recording a crude death rate of 8.7 compared to 6.7 in urban areas. These findings highlight the urgent need for targeted health and development policies in rural regions to bridge the mortality gap.

9. Write a reflection on your experience and your team's effectiveness so far. Be sure to include:

What is working well with your team? Everything seems to be working for us at this time.

What is one good thing that happened during your team meeting?
Our collaboration.

What is one thing your team could do better in the next meeting?
Joining meetings earlier.

Are you experiencing any frustrations with your team? If yes, what can you personally do to lessen the frustration? Not really.

How would you rate your ability to communicate with your team members on a scale of 1 to 4? (1=extremely poor and 4=excellent) 3

What is your biggest concern about working with your team during Phase 2? Just anxious about what the week will entail.

How might you address that concern as a team? will just work as a team, but not as individuals.

What is one hope you have for your team during Phase 2? Doing what is expected of each team member.

Overall, how satisfied are you with how well your team is working together? (On a scale of 1 to 4, with 1=extremely poor and 4=excellent)