

Reviving Reproductive Health: A Quality Improvement Plan (QIP) for Increasing the Couple Protection Rate in the Lizei District

Presented by:



ReproHealth Revive



Team Members:

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WASHA TAKWIMU
WORKING ON APPLICATIONS FOR DATA SCIENCE AND HEALTH IN AFRICA

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1. Background



- **Introduction: Focus on Couple Protection Rate**
- **Definition:**
- Couple Protection Rate measures the percentage of couples using any form of contraception. It is a vital indicator for reproductive health.
- **Significance:**
- Improving couple protection rate is pivotal for preventing unexpected pregnancies, improving maternal and child well-being, managing population growth, and empowering women in the Lizei district.





1. Background (continued)



Couple Year Protection Rate in the Lizei District from 2018 to 2021

District	Municipality	Indicator	April 2018 to March 2019	April 2019 to March 2020	April 2020 to March 2021
Lizei	Springs	Couple year protection rate	36.9	21.8	25
Lizei	Baw	Couple year protection rate	34.2	23.3	19
Lizei	Northda	Couple year protection rate	78.7	71.4	54.4

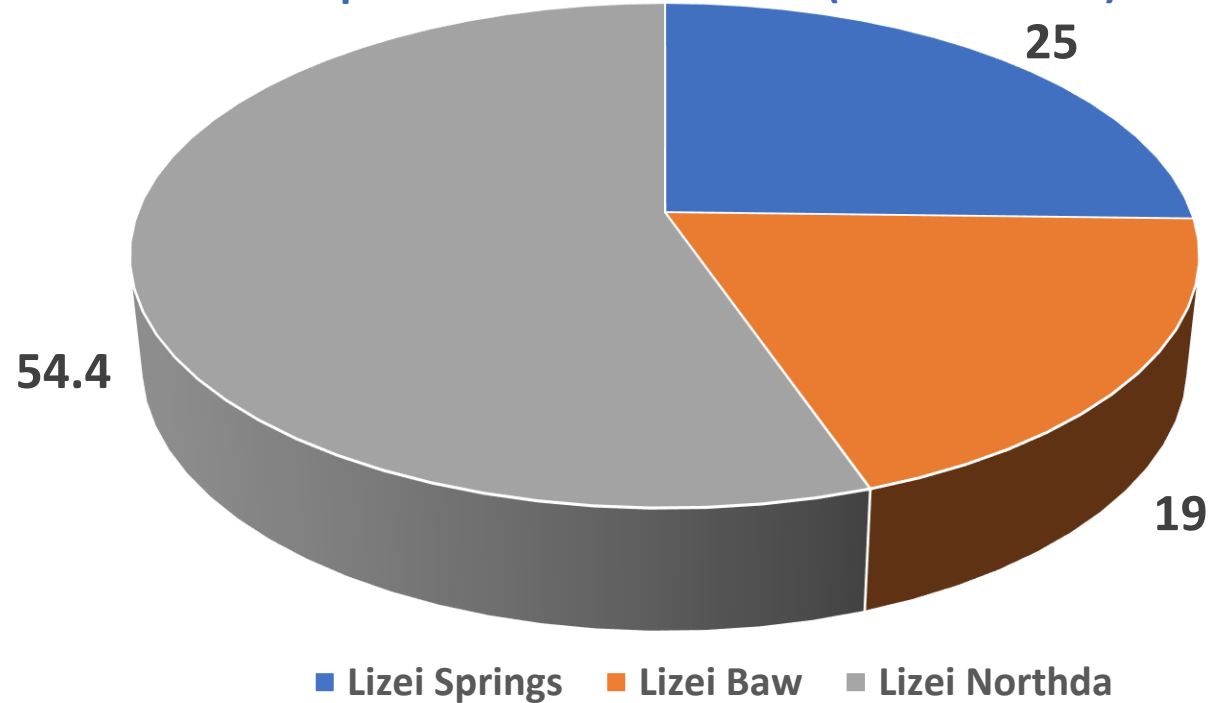




1. Background (continued)



Couple Year Protection Rate in the Lizei District:
April 2020 to March 2021 (Baseline Year)





1. Background (continued)



- **Problem Statement:**
- The data shows fluctuations and a decreasing trend in some municipalities, highlighting the need for targeted interventions to increase the couple protection rate.





2. Aim



- **Broad Aim:**
- To develop a quality improvement plan to improve the couple protection rate to be over 50% in the Lizei district in a period of 5 years.
- **Specific Aims:**
- To achieve a 25% annual increase in couple protection rate for each municipality in Lizei District in each year for five years
- To conduct monthly community education campaigns for the five years, continually refining the program based on observed improvements and feedback.





3. Measurement



- **Method: Plan-Do-Study-Action (PDSA) Cycle**
- **Rationale:** Chosen for its simplicity and applicability to study context; a powerful tool for accelerating change in the health system and promoting practical reproductive health changes.
- **Measures:**
- **Couple Protection Rate Tracking:**
- **Metric:** Annual increase in couple protection rate.
- **Tools:** Health department records, community surveys, statistical trend analysis.
- **Frequency:** Monitored quarterly, targeting a 25% increase annually for each municipality in Lizei District.





3. Measurement (continued)



- **Measures (continued):**
- **Community Engagement Evaluation:**
- **Metric:** Level of community participation and feedback in education campaigns.
- **Tools:** Feedback forms, attendance tracking at community events, social media engagement.
- **Goals:** Increase awareness, foster community involvement, and adjust programs for maximum impact.





3. Measurement (continued)

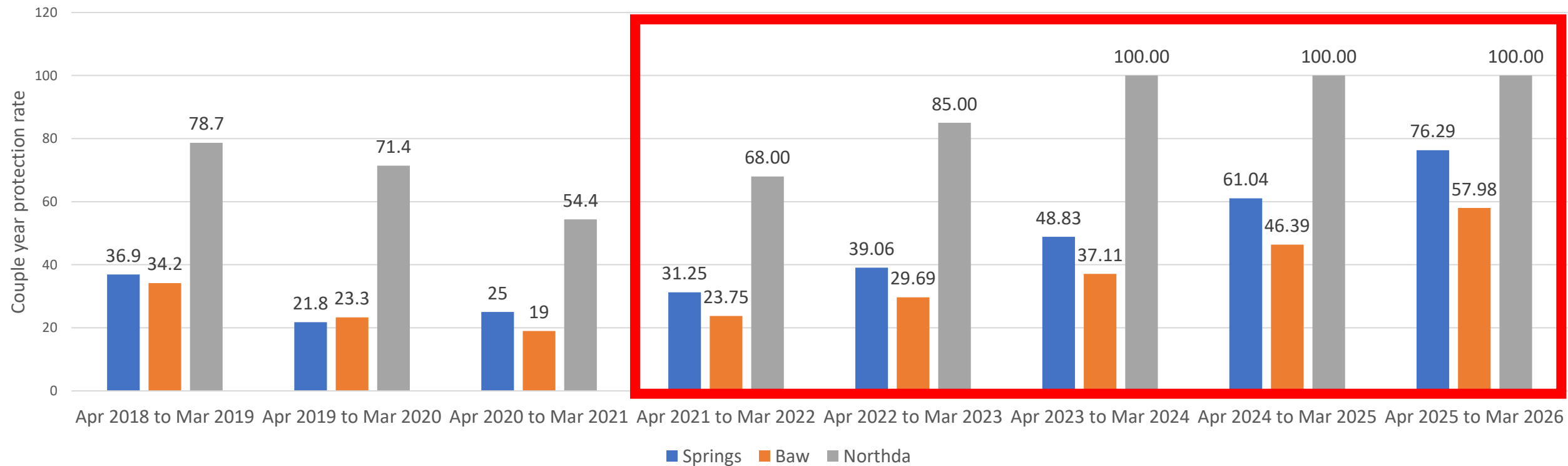


- **Program Refinement:** Regular review and adjustment based on data-driven insights.
- **Data Collection:** Monthly data collection through community surveys, health department records, and campaign evaluations.
- **Outcome Observation:** Using statistical analysis, such as regression analysis, or other appropriate statistical modeling techniques, to correlate interventions with observed outcomes. We will employ software tools like SPSS or R for this analysis, ensuring the precision and validity of our findings.



- 25% increase targeted over a five-year period.
- Increment distributed annually, with the preceding year serving as a base year.
- Where a 100% rate is achieved, this level will be maintained in subsequent years.

Projected Improvement in Couple Protection Rate in Lizei District (2021-2026)





4. Design



- **Intervention:**
- **Community education campaigns:** Education sessions, workshops, and materials.
- **Collaboration with local healthcare providers:** Integrating family planning services.
- **Technology use:** Utilizing telemedicine for consultations.
- **Rationale:**
- A multifaceted approach targeting awareness, access, and technology-driven services.





4. Design (continued)



- **Project Team and Engagement:**
- Project Manager, Health Educators, Community Workers, Technology Experts.
- Consultation with local leaders, healthcare providers, and community members.
- **Anticipated Problems:**
- Community resistance
- Resource limitations
- Technological challenges





4. Design (continued)



- **Sustainability Measures:**
- Community ownership
- Integration with existing health services
- Continuous monitoring and evaluation





5. Implementation



- **Time Frames:**
- **Phase 1:** Planning and Design (3 months)
- **Phase 2:** Implementation (4 years and 9 months)
- **Phase 3:** Evaluation and Closure (3 months)
- **Change Management:**
- Regular monitoring
- Agile modifications based on feedback
- Stakeholder engagement





6. Conclusion



- The proposed quality improvement plan for reproductive health in the Lizei district is a comprehensive strategy aimed at enhancing the couple protection rate.
- By combining community education, healthcare collaboration, and technology, the project aims to achieve over 50% couple protection rate in five years.



Thank You! Any Questions?

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FAQs



- **Question:** What motivated you to focus on the Lizei district specifically?
- **Answer:** We focused on the Lizei district because the data showed significant fluctuations in the Couple Protection Rate, indicating a need for targeted intervention to improve reproductive health.
- **Question:** How will you ensure that the community is engaged in your programs?
- **Answer:** Community engagement will be fostered through regular education campaigns, collaboration with local leaders, and continuous feedback mechanisms such as surveys and social media engagement.





FAQs



- **Question:** Why did you choose a 25% annual increase target for the Couple Protection Rate?
- **Answer:** The 25% annual increase target aligns with our broader five-year goal of reaching over a 50% Couple Protection Rate. It's an ambitious yet achievable target based on our planned interventions.
- **Question:** Can you explain more about the Plan-Do-Study-Action (PDSA) cycle method?
- **Answer:** The PDSA cycle is a continuous improvement process that involves planning a change, implementing the change, studying the results, and then acting on those results to make further improvements. It's chosen for its simplicity and effectiveness in healthcare settings.





FAQs



- **Question:** What are some potential challenges you might face, and how will you overcome them?
- **Answer:** Anticipated challenges include community resistance, resource limitations, and technological issues. We plan to overcome these by involving the community, leveraging existing resources, and utilizing accessible technology, along with agile modifications based on ongoing monitoring and feedback.
- **Question:** How will you sustain the intervention after the project ends?
- **Answer:** Sustainability will be achieved through community ownership, integration with existing health services, and continuous monitoring and evaluation.





FAQs



- **Question:** Why did you include telemedicine in your interventions?
- **Answer:** Telemedicine was included to expand access to family planning services, especially in remote or underserved areas. It represents a modern approach to healthcare that leverages technology for broader reach.
- **Question:** How will you measure the success of your community education campaigns?
- **Answer:** Success in community education will be measured through tools like feedback forms, attendance tracking at community events, and social media engagement. These metrics will help us gauge awareness and community involvement.

