



Government of Ghana

# NATIONAL IMMUNISATION PROGRAMME

## COMPREHENSIVE MULTI-YEAR PLAN

(2020 – 2024)

December 2019



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LIST OF ABBREVIATIONS

AD	-	Auto-Disable
AEFI	-	Adverse Events Following Immunization
AFP	-	Acute Flaccid Paralysis
BCG	-	Bacille Calmette-Guerin vaccine
CHPS	-	Community Health Planning and Services
CHPW	-	Child Health Promotion Week
cMYP	-	Comprehensive Multi Year Plan
DHS	-	Demographic Health Survey
DQS	-	Data Quality Survey
DPT	-	Diphtheria, Pertussis and Tetanus toxoid vaccine
EPI	-	Expanded Programme on Immunization
GAVI	-	Global Alliance of Vaccine and Immunization
GHS	-	Ghana Health Service
GIVS	-	Global Immunization Mission & Strategies
GDP	-	Gross Domestic Product
HCW	-	Healthcare workers
HDI	-	Human Development Index
ICC	-	Inter-agency Coordination Committee
IDSR	-	Integrated Disease Surveillance Response
IEC	-	Information, Education and Communication
IMR	-	Information Mortality Rate
ISS	-	Institutional Strength Support
MDG	-	Millennium Development Goal
MNTE	-	Maternal and Neonatal Tetanus Elimination MoH Ministry of Health
MR	-	Measles-Rubella
MTEF	-	Medium-term Expenditure Framework
NGOs	-	Non-Governmental Organizations
NIDs	-	National Immunization Days
NT	-	Neonatal Tetanus
OPV	-	Oral Polio Vaccine

## Comprehensive Multi-Year Plan for Immunization

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PHC	-	Primary Health Care
PPME	-	Policy, Planning, Monitoring and Evaluation
RED	-	Reaching Every District
SNIDs	-	Sub-national Immunization Days
Td	-	Tetanus diphtheria
TT	-	Tetanus Toxoid vaccine

### CHAPTER ONE: BACKGROUND AND INTRODUCTION

#### 1.1 Background and Introduction

##### 1.1.1 About comprehensive Multi-Year Plan for Immunization

Comprehensive multi-year plan for immunization is the (cMYP) is the strategic plan for the implementation of national immunization programmes at country level. This was the name given by the Global Alliance for Vaccines and Immunization (GAVI) in the early 2000 when it began its comprehensive programme to reduce morbidities and mortalities from Vaccine preventable Diseases (VPDs). It has remained the key strategic document for all countries receiving Gavi support. Many other countries outside Gavi support has adopted the name for their national immunization programme strategic plan.

As a strategic plan, cMYP bring together all the various immunization strategies in a single document. One of the key standard features of the cMYP is the financing and sustainability of the national immunization programme. With continued support from Gavi and the vaccine alliance partners, various tools (Logistics forecasting and cMYP costing) and methods (guidelines for developing and costing cMYP) has been standardized, facilitating the development and costing of national immunization programme. In addition, the process of developing the cMYP enhances wider stakeholder consultation and involvement, incorporating all stakeholder and partner activities.

##### 1.1.2 Organization of the Document

This document is organized into six main chapters. The first chapter provides the background, rational and organization of the cMYP. The chapter ends with a guide on how to use the document. Chapter two, provides a short profile on the demography and economic situation in Ghana. This is followed by the organization of the health system, health status and health system performance. Chapter three is a review of the last cMYP (cMYP 2015-19), challenges, conclusions and recommendations. Chapter four provides the direction (goals, objectives, strategies and activities for the National Immunization Programme in the next four years. In chapter five, the activities are costed with detailed information on how the programme will be funded. Chapter five also covers how the plan will be funded. The last chapter, chapter six, is about monitoring the performance of the plan. It provides some details of indicators for measurements covering outputs, outcomes and impacts as well as data sources for measuring the outputs and outcomes. This chapter also provide guidance on performance monitoring framework for the National Immunization Programme. A number of tables are provided in the annexes to support some of the context and narratives in the document.

## CHAPTER TWO: COUNTRY INFORMATION

### 1.1 General Profile and Demography

Ghana is located in West African and shares borders with Togo, Cote d'Ivoire, and Burkina Faso. According to the 2010 population census, the population of Ghana was 24.2 million and is projected to reach 30,412 million in 2019<sup>1</sup>. According to United Nations estimates, Ghana's population is projected to reach 33.545 million in 2024 at an annual grow rate of 2.5 percent (Ghana Statistical Service). According to the 2010 census, population less than one year is about 3% and one to four-year-old estimated at 10.8 percent (Ghana population and housing census, May 2012). It estimated the male population less than five years as 11.4 percent whilst the female population less than four years was estimated at 13.3 percent. In Ghana, there is no discrimination so far as health service delivery, including immunization, is concerned<sup>2</sup>. However, some equity gaps have been identified among children with different socio-demographic backgrounds. This needs to be addressed.

Ghana's fertility rate currently stands at 3.94 children born to every woman in rural areas and 2.78 to every woman in urban areas. The 2010 population census estimated the proportion of the population living in urban areas as 50.9 percent in 2010. This is an increase from 43.8 percent reported in the 2000 census. This can be seen as both positive and negative effect for the National Immunization Programme. On the positive side, increase in urban population provides the NIP the opportunity to reach more children. However, the migration may result in increase in the population of those in the urban slumps. This poses a challenge to the NIP. The next population census is scheduled to take place in 2020. This will provide some more evidence that may require recalibration of the targets.

Ghana has a tropical climate throughout the year with two major seasons – a dry (Harmattan) season and a wet (rainy) season. The dry harmattan season is always severe in the northern part of Ghana, triggering seasonal meningitis outbreaks.

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<sup>1</sup> UN estimate, World population review, [www.worldpopulationreview.com](http://www.worldpopulationreview.com)

<sup>2</sup> Ghana PSR, 2020-2024, page 14

## 1.2 Macroeconomics of Ghana

According to the 2020 Budget statement, real gross domestic product grew by 6.2 percent in the first half of 2019 compared to 5.4 in the same period in 2018. The service sector recorded a significant growth of 6.9 percent as a percent of gross domestic product between January and June 2019 compared to 0.9 percent in the same period in 2018. It is significant to note that the growth in the social sector was predominantly from information and technology (37 percent) and health and social work (22 percent).

The Ghana Statistical Service (GSS) rebased the Consumer Price Index (CPI) series in August 2019 as part of the GSS's continuous commitment to improve the quality of her products. The rebased CPI series used 2018 as the base year compared to the previous base year of 2012 for the old series. The number of items in the basket also increased from 267 in the old basket to 307 in the new basket to make the basket of goods more representative of consumer purchases. In addition, the points of data collection increased from 42 markets in the old basket to 44 markets in the rebased basket<sup>3</sup>

Ghana's growth target for 2019 is 7.4% mainly to be driven by the industry sector, especially oil, gas and mining. Manufacturing is also expected to post higher growth. In the medium-term (2019-2022), overall GDP is projected to grow on average at 7.0%, as the effects of oil on growth decline and non-oil growth strengthens. Inflation is expected to remain in the central bank's target range of 6-10% in 2019, while the fiscal deficit is expected to be marginally higher at 4.2% of GDP.

Total Revenue and Grants for the period January to September 2019, amounted to GH¢36.3 billion (10.5% of GDP). The outturn represents a per annum growth of 9.2 percent and a 13.6 percent shortfall relative to the target of GH¢42.0 billion (12.1 percent of GDP). As a result of these dynamics, the anticipated increase in revenue yield from import volumes has not materialized. Secondly, shortfalls emanating from taxes on Income and Property constituted about 49 percent of the total shortfall in non-oil Tax Revenue. This was mainly a result of a weak Income Tax collections from Corporate bodies as well as the non-realization of an expected growth in personal emoluments from the private sector. Lastly, taxes on Goods and Services were impacted mainly by shortfalls in Excise Duty and to lesser extents, Domestic VAT and Communications Service Tax (CST).<sup>4</sup>

Government domestic revenue falling below targets is a note for increased efforts in working with government to increase budget to the health sector and earmarking of government revenues to fund the national immunization programme. The transition plan must focus not only in the government sector but also how to raise more private domestic revenues for health.

<sup>3</sup> 2020 Budget Statement, Ministry of Finance

<sup>4</sup> 2020 Budget Statement, Ministry of Finance



### 1.3 Organization and Governance of Health System

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The health sector in 1996 as per ACT 525 started the separation of the ministry of Health from a single organization functioning as a policy and implementation body to a separate institutions and agencies where policy formulation was separated from implementation. It started with separating the clinical service delivery function (Act 525) from the policy function (MoH). Later, other technical functions, such as the training and regulatory (medical professionals, medicines and non-medicines) functions were separated from the MoH. The health system is therefore organized under four functional areas. These are health administration and financing, healthcare service delivery, training and regulatory. These functional areas are performed by the public, private not for profit, private for profit and traditional sectors. The health sector is strongly supported, both financially and technically by Development Partners in all the functional areas.

All services in the health sector are organized national, regional and districts levels. Though services are performed below the district level, further to subdistrict and community levels, not all functions have organizational structures below the district level. Healthcare delivery is the only health service with structures and services organized at sub district and community level. Along the clinical and public health services, healthcare services are categorized under primary, secondary and tertiary levels.

Training of healthcare professional, both pre-service and post basic are managed by the Health Training Institutions, Pharmacy College, Nursing & Midwifery College and Physicians and Surgeons College. The regulatory system of the health sector is coordinated by a number of agencies of the MOH including the Foods and Drugs Authority (FDA), Pharmacy Council (PC), Nurses and Midwifery Council (NMC), Health Facility and Regulatory Authority (HFRA), Allied Health, Psychology Council and Medical and Dental Council (MDC). These agencies ensure that health service products and health care practices are within agreed quality and safety standards.

The Minister of Health is the political head of the Ministry of Health. He is supported by two Deputy Ministers. The technical head of the ministry is the Chief Director. The Chief Director is supported by Directors at the Ministry of Health. There are 23 Agencies of the ministry established by law. Each agency is headed by a Director General, Registrar, Reactor or Chief Executive officer and they are appointed by the President in consultation with the council or board. report to the Minister of Health.

Community-based Health Planning and Services (CHPS) approach is the national strategy in addressing community levels service delivery gaps in access to quality health services at the community level. CHPS is equity-focused and has an implementation modality that has strong support of the government and development partners in the health sector. The CHPS is thus recognized as the lowest level of health service delivery in the health sector. The sub-district level comprises of health centers, which serve as the next referral level after CHPS and provide oversight to CHPS. The District Health Services (Management Teams) have been empowered to take on full oversight

responsibilities to ensure that all public health initiatives (implementation activities) are organized and synchronized in collaboration with other sectors particularly District Assemblies. This has set pace for one of the current strengths of the country's routine immunization system as well as national campaigns, which augment routine efforts.

#### **1.4 Expanded Programme on Immunization**

The Ghana Health Service serves as the supervising agency for the delivery of primary and secondary healthcare services in the country on behalf of the MoH. It is also the largest implementing agency for primary and secondary care services (both preventive and curative care) in addition to non-state actors, mainly the Christian Health Associations of Ghana (CHAG) and Ahamadiyya Missions Hospitals.

The EPI Programme is a unit located within one of the divisions of the Ghana Health Service, the Public Health Division. The Programme is headed by a Public Health Specialist and assisted by trained personnel with expertise in areas including logistics management, data management, monitoring and evaluation, cold chain management, injection safety, social mobilization and communication.

Immunization services are integrated into the public health system and form part of overall child health care services at the regional, district and sub-district levels. However, at the national level, the child health department functions under the Family Health Division, of the same level as the Public Health Division.

The policy of decentralization allows for autonomy at these levels in planning and budgeting for service delivery including immunization services. At the regional level, the Regional Director for Health Services provides direction for the Programme whilst the Deputy Director for Public Health, with the support of the Regional EPI Coordinator, is responsible for the Programme management at the regional level. District Director for Health Services is responsible for Programme implementation at the district level. Sub-district and facility in-charges are responsible for EPI activities at the sub-district and facility levels respectively. Immunization performance is an integral part of the performance assessment of health managers at all levels.

### CHAPTER TWO: SITUATION ANALYSIS

#### 2.1 Introduction

This section describes implementation of the National Immunization Programme activities for the last five years, the performance and financing. The National Immunization Programme is a flagship programme in Ghana, providing the best practice for community service delivery. It is therefore not surprising that immunization performance has been used as a benchmark and the platform for other services at the community level. This section describes the history of the NIP, the performance of the Expanded Programme on Immunization Programme, its performance and challenges in the period 2015-2019.

#### 2.2 Expanded Programme on Immunization

The Expanded programme on Immunization (EPI) started in 1978 with six vaccines. The mission of the Programme was to contribute to the overall poverty reduction goal of the government by decreasing the magnitude of vaccine-preventable diseases through immunization. The Programme currently vaccinates against 13 vaccine preventable diseases. The legal framework backing immunization in Ghana is the Children's Act of 1998 (Act 560) which provides the right of children to education and well-being with specific mentioning of the right to immunization. The schedule for immunizing children starts at birth with a 'zero' dose of oral polio vaccine (OPVO) and Bacille Calmette Guerin (BCG), followed with 6, 10- and 14-weeks schedule and ends with measles second dose (MSD) and Meningococcal A Conjugate Vaccine at 18 months. Vitamin A is provided to children from six months to five years. t,.

#### 2.3 Service Delivery Strategies

The main strategies for delivering immunization services are;

1. Static (hospitals, polyclinics, health centres, clinics and CHPS compounds)
2. Outreach services (including home visits, pre-school/crèches vaccination, defaulter tracing etc.)
3. Mop-up vaccination for areas with low vaccination coverage
4. Camp-out in hard-to-reach areas

## 2.4 Analysis of EPI Performance (2015-2019)

### 2.4.1 Introduction

There has been significant improvement in the health status of the child over the years, with child survival rates increasing as a result of the high impact healthcare services and economic progress. Immunizing children against vaccine-preventable diseases is one of the key interventions that have contributed to the increase in child survival rates. For example, Ghana has not recorded any death from measles since 2003, and since November 2008 there has not been any report of wild poliovirus (WPV). Coverage of immunization services has significantly improved over the years. It can be said that the Expanded Programme on Immunization is one of the most successful community interventions within the health sector.

In the period 2015 to 2019, the implementation of the EPI was guided by the 2015-2019 comprehensive Multi Year Plan (cMYP) for immunization. This section analyses the performance of the National Immunization Programme against the cMYP 2015-19 by the goals and objectives and the seven immunization system components organized under the objectives. Performance of objective one will be analyzed and linked to immunization system components two and four. Objective two, advocacy and communication will be analyzed with immunization system components seven, demand creation. Similarly, objective three which deals with the surveillance system is linked to component six, disease surveillance and AEFI. Objective four which deals with programme management and health system integration with the EPI programme is assessed with component one (to exclude financing) and Objective five will review the performance of immunization components one (focusing on financing). Table 1 below shows the matrix of analysis of EPI performance by objective and system components.

Table 1: EPI Objectives and Immunization System Components

Objectives	Component	Specific Areas
Obj 1: Reach everyone targeted for immunization to achieve and sustain 95% coverage in all childhood immunizations and 85% for Tetanus-diphtheria (Td) for pregnant women by 2019	Human resources management	HR planning, capacity building, supervision and performance management
	Service delivery	HR and strategies, session quality and integration, Missed Opportunities for Vaccination (MOV)
Obj 2: Improve communication, advocacy and information dissemination	Demand creation	Demand, advocacy and communication, community engagement and social mobilization
Obj 3: Strengthen surveillance system	Disease surveillance and AEFI	HR & systems, detection and response, performance, and AEFI monitoring
Obj 4: Improve programme management and integration with health systems	Programme management and financing	Policy & guideline, governance & accountability, planning and procurement, partner coordination, and budgeting and financing
	Immunization coverage monitoring and data quality	HR & systems, recording and reporting, data quality, coverage monitoring and data use
Obj 5: Ensure that the immunization Programme has sustainable access to predictable funding, quality supply and innovative technologies	Programme management and financing	Policy & guideline, governance & accountability, planning and procurement, partner coordination, and budgeting and financing

#### 2.4.2 Goals of cMYP 2015-19

The goals of the National immunization Programme (cMYP 2015-19) are;

- to reduce child morbidity, mortality and disability associated with vaccine preventable diseases with a purpose of making Ghana a polio free country,
- eliminate measles/Rubella and maternal neonatal tetanus,
- achieve and maintain service coverage of 95% for all antigens and control other Vaccine Preventable Diseases (VPDs) as well as introduce new vaccines and technologies.

Table 2: Goals of the cMYP 2015-19

GOAL #	DESCRIPTION OF GOAL	PERFORMANCE RESULTS	COMMENTS
1	Achieve Polio Free Status	<ul style="list-style-type: none"> <li>a. The last cases (8) of wild polio virus were reported in 2008 and since then no case has been identified.</li> <li>b. As at December 2018, the annual detection rate for non-polio AFP per 100,000 population in children &lt; 15 years was 3.98 and the stool adequacy rate was 87.5% as at December 2018.</li> <li>c. 100% stool specimens of all suspected cases are taken and sent to virology department of Noguchi Memorial Institute for Medical Research and xx samples are tested.</li> <li>d. 88.9% stool adequacy</li> </ul>	This goal has been achieved with Ghana being declared polio free by the World Health Organization in 20xx (2013-check)
2	Elimination of Measles/Rubella	<ul style="list-style-type: none"> <li>a. There has not been any death due to measles since 2003.</li> <li>b. Non-measles febrile rash illness rate of greater than 2 per 100 000 population has been achieved</li> <li>c. More than 80% of districts have collected blood specimens from suspected cases</li> <li>d. 100% of cases investigated within 48 hours in 2018 (use 2019 performance)</li> <li>e. MCV1 and MCV2 achieved 95% and 83% respectively as at the end of 2018 (use 2019 performance)</li> </ul>	Though elimination status has not been achieved, significant progress has been made towards this goal.
3	Elimination of Maternal and Neonatal Tetanus	<ul style="list-style-type: none"> <li>a. Neonatal tetanus was eliminated in 2011<sup>5</sup></li> </ul>	

<sup>5</sup> EPI Review Report, 2019

**Comprehensive Multi-Year Plan for Immunization**

GOAL #	DESCRIPTION OF GOAL	PERFORMANCE RESULTS	COMMENTS
4	Achieve Service Coverage of 95 percent for all antigens	<p>b. EPI has contributed significantly to the reduction in neonatal mortality rate (quote the rate-DHS)</p> <p>a. Based on administrative data this goal has been achieved for the target of 95% for BCG, OPV3, 3<sup>rd</sup> doses of pentavalent and PCV and 94% for 2<sup>nd</sup> dose of Rotavirus</p> <p>b. As at the end of 2018, second dose of measles and Td2+ had achieved coverage of 83% and 64% respectively (use 2019)</p> <p>c. The Ghana Demographic and Health Survey (GDHS 2017) reported that 77% of targeted children had been fully immunized (47% in 1998)</p>	With the exception of 2 <sup>nd</sup> dose measles Rubella (MR2) and Td2+, all vaccination targets had been achieved. Current efforts are to achieve the targets for measles (MR2) and Td2+ and maintain target coverage for all antigens
5	Introduce new vaccines and technologies	<p>a. During the implementation of the cMYP 2015-19, two new vaccines were introduced: IPV, Meningitis A</p> <p>b. pilot implementation of Malaria vaccine into routine immunization started in 2019</p>	Pilot implementation of the Malaria vaccine was pilot in selected districts in four regions- BAR, CR, UER and VR.

The comprehensive Multi-Year plan for immunization, 2015 to 2019 had five main objectives. These were;

1. Reach everyone targeted for immunization to achieve and sustain 95% coverage in all childhood immunizations and 85% for Tetanus-diphtheria (Td) for pregnant women by 2019
2. Improve communication, advocacy and information dissemination
3. Strengthen surveillance system
4. Improve programme management and integration with health systems
5. Ensure that the immunization Programme has sustainable access to predictable funding, quality supply and innovative technologies

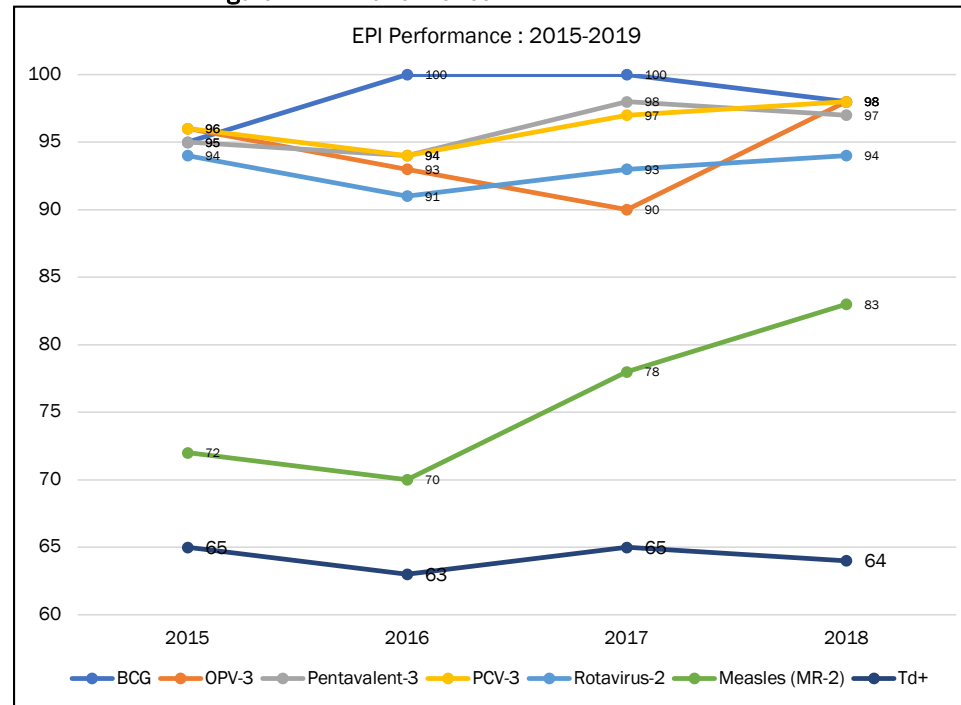
2.4.3 Objectives and Immunization System Components

Objective 1: Reach everyone targeted for immunization to achieve and sustain 95% coverage in all childhood immunizations and 85% for Tetanus-diphtheria (Td) for pregnant women by 2019

Table 3: EPI Performance<sup>6</sup> (%)

Antigen	2015	2016	2017	2018	2019
BCG	95	100	100	98	
OPV-3	96	93	90	98	
Pentavalent-3	95	94	98	97	
PCV-3	96	94	97	98	
Rotavirus-2	94	91	93	94	
Measles (MR-2)	72	70	78	83	
Td+	65	63	65	64	
MR1					

Figure 1: EPI Performance<sup>7</sup>



<sup>6</sup> EPI Review report, 2019

<sup>7</sup> EPI Review report, 2019



**Comprehensive Multi-Year Plan for Immunization**

Key Issues, Challenges and Recommendation

Table 4: Issues and Challenges of Objective 1 of cMYP 2015-19

	<b>Challenges</b>	<b>Recommendations</b>
<b>Service Delivery</b>	There are disparities in access and coverage across geographical areas (especially in hard to reach and deprived communities)	Ensure funds are provided for hard to reach and deprived communities Build capacity of sub-district and health facility personnel in comprehensive Micro plan development and implementation for effective service delivery
	Fixed vaccination sessions are not organized on a daily basis in many of the health facilities as per the national EPI policy.	Health workers should reinforce awareness of caregivers on AEFI and reporting
	Low coverage in hard to reach areas and some urban and peri-urban populations	Ensure funds are targeted for hard to reach and peri-urban communities Strengthen micro planning and implementation in hard to reach and peri-urban communities Strengthen immunization service delivery in the creches and early childhood nurseries Scale-up the container clinic concepts in peri-urban and urban communities
	Inadequate transportation especially for outreach and collection of vaccines	Provision of appropriate transport means for districts immunisation services
	Poor reporting of adverse events following immunization by caregivers	Increase capacity of staff on AEFI detection and reporting Collaborate with FDA to enforce reporting Introduce electronic reporting of AEFI within the DHIMS
	Weak adherence to policy on opening measles/YF vials in some facilities	Reinforce adherence to policies/guidelines on “open vial policy” during supervision and on-the-job mentoring
	Access to transportation services is affecting delivery of immunization services in many hard to reach and remote communities	Provision of appropriate transport means for districts immunisation services
<b>Human Resource</b>	Inadequate skilled staff to provide high quality and equitable immunization services	Review staffing norms and fill identified gaps Scale up the pilot of new hire orientation programme started in VR under the 2YL project
	Inequitable distribution and retention of skilled frontline health workforce (especially some urban and peri-urban and other deprived areas).	Ensure evidence-based distribution and/or deployment of health workforce to service delivery points based on workloads
	The mix of staff at sub district and community levels is not balanced and compounded with staff shortages and mal distribution is affecting immunization services	EPI Programme should align with the national plan for integrated supportive supervision to leverage resources and written feedback should be provided following supervisory visits.
	With the introduction of new vaccines, there is increasing demand for more technical staff at the National EPI Office	Capacity building for all staff should be conducted periodically in key Programme areas

Objective 2: Improve communication, advocacy and information dissemination

Table 5: Performance of cMYP 2015-19 objective 2

Indicator	Results in 2019
Percentage of districts with trained health promotion officers in social mobilization and communication	100% of all districts have Health Promotion officers
Early response to rumours	According to the 2018 EPI review, significant delays were identified in providing responses to the population on rumours of outbreaks
Staff Knowledge of AEFI Management	To be provided
Availability of Social Mobilization Plan	20% of districts have a social mobilization plan (please check this from the review)
Availability of Risk Communication Plan	10% of districts have a risk communication plan
Knowledge of caregivers in immunization	Check review report
Number of districts with at least one community resistance to vaccination	18% of mothers interviewed have concerns about vaccines and 8% have ever refused vaccinations. The most important reason for refusing vaccination is the fear of side effects
Percentage of districts with good collaboration with Local Assembly	About 90% of districts have good collaboration with the Local Assembly

Figure 2: Performance of Social Mobilization Strategies

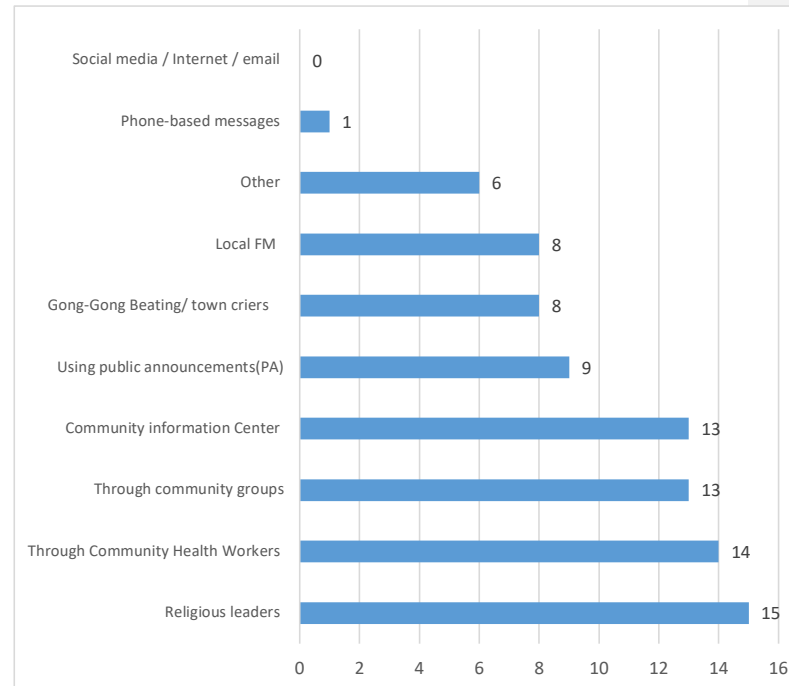


Figure 2 shows the various communication and social mobilization strategies used during the period of the last cMYP (2015-19). The graph shows the results of a survey conducted at the district level during the EPI review. It shows the number of districts interviewed who used these strategies.

Communication & social mobilization strategies for immunization at HF level (Source EPI Review report, 2019)

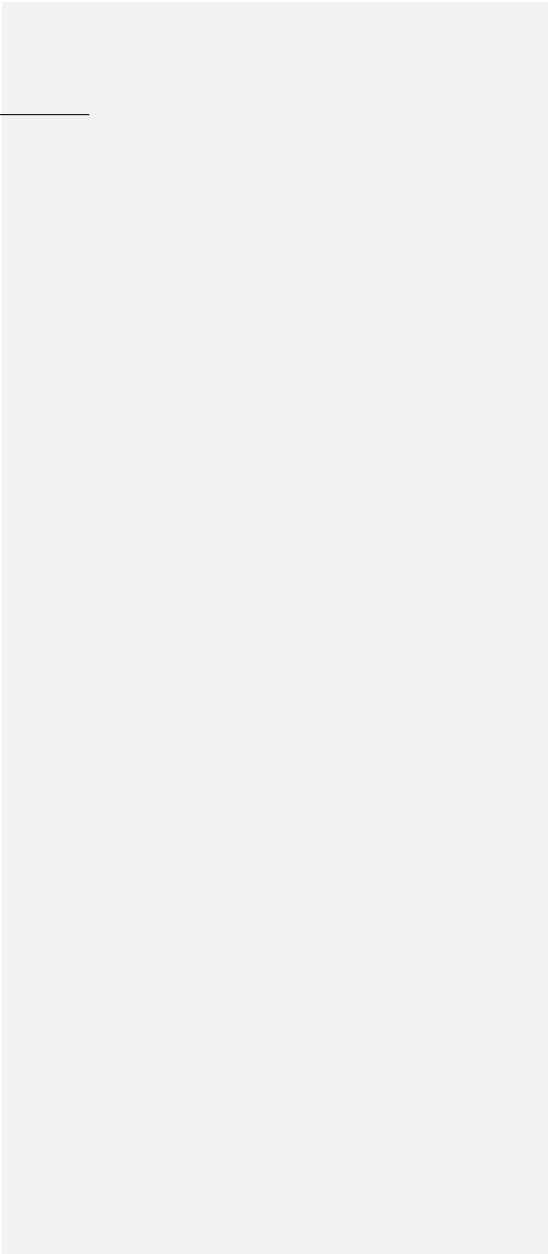
**Key Issues, Challenges and Recommendation: Improve communication, advocacy and information dissemination**

Table 6: Challenges and recommendations for communication, advocacy and dissemination

<b>Challenges</b>	<b>Recommendations</b>
<i>Inadequate financial resource capacity to implement communication/ social mobilization.</i>	<i>Ensure adequate funding for communications activities especially for routine immunization</i>
<i>Delayed response to rumors and adverse reactions on Immunization.</i>	<i>Build capacity of relevant stakeholders to facilitate implementation of Demand Generation activities</i>
<i>The risk communication strategy is currently disease specific.</i>	<i>Review existing communication strategy to reach every child, especially unvaccinated children</i>
<i>The ACSM/SBCC plan was for the period 2012 to 2016, which has elapsed and has not been updated</i>	<i>Strengthen partnerships with key stakeholders in the communities to support demand</i>

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<i>yet. Inadequate funding for social mobilization/health promotion activities.</i>	<i>generation activities.</i>
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**Objective 3: Strengthen surveillance system**

Table 7: Performance of cMYP 201519 objective 3

Indicator	Results in 2018
Availability of surveillance guidelines at the district level	All districts have surveillance guidelines
Availability and capacity to respond to outbreaks at the district level	All districts (100%) have the capacity and systems to respond to outbreaks
Availability of forms and supplies to report a case of notifiable disease	About 80% of districts have forms and supplies to respond to a case of notifiable disease
Percentage of frontline staff knowledgeable on case definition of Vaccine Preventable Disease	In 2018, 80% of staff interviewed had knowledge in case definition for VPD
Percentage of districts who receive VPD surveillance feedback on laboratory results on time	About 80% of districts received feedback on laboratory specimen submitted. However, the feedback was provided occasionally
Percentage of districts with at least a staff who have been trained in AEFI in the last <u>six months</u>	60% of districts had at least one staff trained in AEFI in the last six months

Figure 5: Knowledge of Health workers on case definition of VPD and AEFI

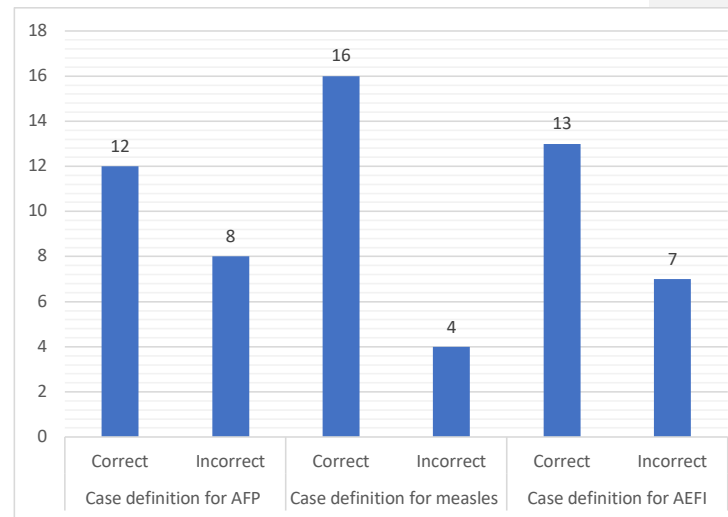


Figure 5 above is a graphical note of the response from the districts visited during the 2019 EPI review. The responses are on their knowledge on the case definition of AFP, measles and AEFI

**Comprehensive Multi-Year Plan for Immunization**

Key Issues, Challenges and Recommendation : Strengthen surveillance system

Table 8: Key issues and Challenges for cMYP 2015-19 objective 3 (review this table)

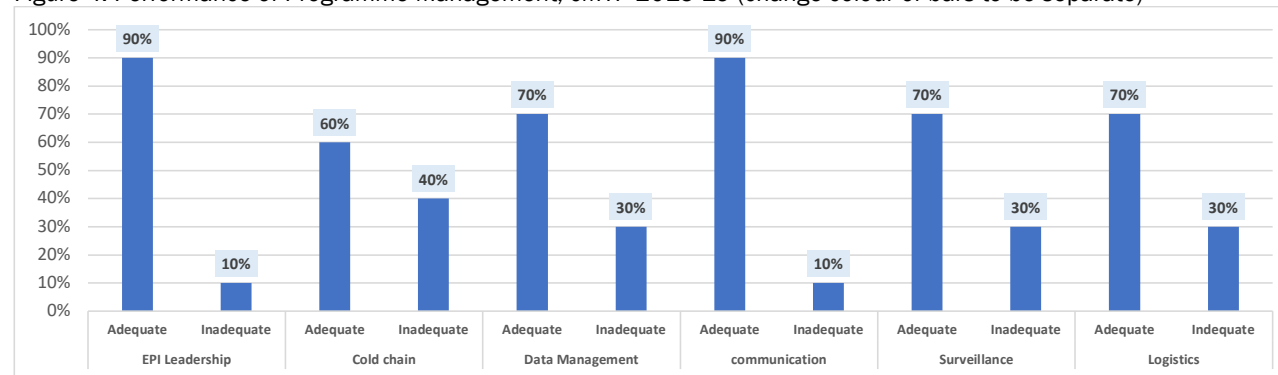
<b>Challenges</b>	<b>Recommendations</b>
<i>Isolated delays in outbreak response.</i>	Strengthen surveillance system through capacity building and collaboration with the community for case detection and investigation
<i>Lack of funding for rapid response to outbreaks.</i>	Improve funding for active case search and rapid response initiatives
<i>Guidelines/SOPs not available at some health facilities.</i>	Funds should be provided for specimen transportation
<i>Inadequate specimen carriers and kits, as well as funds for transporting samples to the laboratory.</i>	Specimen carriers and kits should be urgently procured and provided to regions and districts Strengthen surveillance system through capacity building and collaboration with the community for case detection and investigation
<i>VPD surveillance feedback on laboratory results is either delayed or does not filter down to the reporting facilities.</i>	Improve funding for active case search and rapid response initiatives
<i>Limited knowledge on AEFI management and reporting in some regions.</i>	Specimen carriers and kits should be urgently procured and provided to regions and districts Funds should be provided for specimen transportation Strengthen surveillance system through capacity building and collaboration with the community for case detection and investigation

Objective 4: Improve programme management and integration with health systems

Table 9 : Measuring the Performance of cMYP 2015-19 Objective 4

Indicator	Results in 2018
Percentage of districts with EPI policy and field guide	EPI policy and field guide were available in all districts visited
Percentage of districts with updated micro-plans	100% of districts had updated micro-plans and budget
Percentage of district micro-plans funded by domestic sources (see objective 5)	Consider deleting if no info is available
Percentage of districts with funding from Local Assembly for immunization	According to the 2019 EPI review, 86% of districts visited received some level of funding for their micro-plans from the local government
EPI components supported by communities	34% of community support were for outreach vaccination sessions, 26% for social mobilization and engagement, 17% for defaulter tracing and 9% for fixed sessions

Figure 4: Performance of Programme Management, cMYP 2015-19 (change colour of bars to be separate)



Key Issues, Challenges and Recommendation: Improve programme management and integration with health systems

Table 10: Challenges of cMYP 2015-19 objective 4

<b>Challenges</b>	<b>Recommendations</b>
Funds for EPI programme are not adequate	<i>Ensure that GAVI transition plan is finalized and implemented</i>
Funds allocated to EPI are not released timely	<i>Improve funding and its timely release to the service delivery levels</i>
Co-financing funds for vaccines are released late resulting in default	<i>Increase capacity of ICC to advocate through relevant bodies including the PSC on Health and finance and the MoF</i>
NITAG has been formed but not very functional	<i>Ensure functionality of NITAG</i>
Limited collaboration between Local Government and Ghana	<i>Ensure that GAVI transition plan is finalized and implemented</i>



Health Service for immunization services	
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Objective 5: Ensure that the immunization Programme has sustainable access to predictable funding, quality supply and innovative technologies

Table 11: Performance Results of cMYP 2015-19 objective 5

Indicator	Results in 2018
Percentage of government domestic sources to immunisation	Refer to NHA and cMYP costing
Percentage of districts with funding from Local Assembly for immunization	According to the 2019 EPI review, 86% of districts visited received some level of funding for their micro-plans from the local government
EPI components supported by communities	34% of community support were for outreach vaccination sessions, 26% for social mobilization and engagement, 17% for defaulter tracing and 9% for fixed sessions

Key Challenges and Recommendation: Ensure that the immunization Programme has sustainable access to predictable funding, quality supply and innovative technologies

Table 12: Challenges and recommendations for financing

Challenges	Recommendations
Funds for EPI programme are not adequate	Ensure that GAVI transition plan is finalized and implemented
Funds allocated to EPI are not released timely	Ensure that domestic funding for EPI are released on time
Co-financing funds for vaccines are released late resulting in default	Improve funding and its timely release to the service delivery levels
NITAG has been formed but not very functional	Ensure functionality of NITAG

**Comprehensive Multi-Year Plan for Immunization**

*Limited collaboration between Local Government and Ghana Health Service for immunization services*

*Strengthen districts to improve collaboration with local government*

**CHAPTER THREE: GOALS, OBJECTIVES, STRATEGIES AND KEY ACTIVITIES**

**3.1 Introduction**

This section describes the goals objectives, strategies and activities to be implemented from 2020 to 2024.

**3.2 Goal**

The goal of the National Immunization Programme remains unchanged. Ghana's EPI seeks to contribute to the reduction of mortality, morbidity and disability associated with Vaccine Preventable Diseases. The goal is to;

1. Maintain a polio free status
2. Achieve measles/Rubella/YF elimination
3. Sustain MNT elimination
4. Achieve at least 95% coverage for all antigens
5. Accelerate control of other VPDs through the introduction of new vaccines and technologies

**3.3 Objectives**

The objectives of the cMYP 2020-2024 are;

1. To improve Sustainable Financing for Universal Health Care (UHC)
2. To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions at all levels of the health sector
3. To Improve demand and increase trust in immunization services
4. To achieve at least 90% Penta 3 coverage in all districts
5. To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases
6. To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course
7. To Strengthen VPD and AEFI surveillance and response
8. To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points
9. To Accelerate the pathway to impact, including evidence generation, operational and implementation research and knowledge sharing.
10. To build local capacity to use innovation to solve programmatic challenges

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3.4 Strategies

Table 12: Objectives and Strategies for cMYPa2020-2024

Obj #	Objective	Strategies
1	To improve Sustainable Financing for Universal Health Care (UHC)	Ensure sustainable financing through continuous advocacy and mobilization
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions at all levels of the health sector	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society
		Strengthen harmonization, coordination and monitoring of health program implementation
3	To Improve demand and increase trust in immunization services	Strengthen Advocacy, Communication and IEC
		<del>Create demand for immunization services through advocacy and provision of the requisite of the</del>
4	To achieve at least 90% Penta 3 coverage in all districts	Strengthening routine immunization activities through RED/REC strategy in all district
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Sustain the benefits of integrated interventions through SIAs
		Ensure effective and sustainable introduction of new vaccines and technologies
6	To ensure 90% of targeted population benefit from new and underused vaccines recommended across the life course	Strengthen the uptake of <u>immunization</u> services beyond infancy
7	To Strengthen VPD surveillance and immunization safety	Strengthen <u>AEFI surveillance</u>
		Strengthen safe injection practices and waste disposal
		Strengthen the VPD surveillance system within the Integrated disease surveillance and response
		Strengthen early detection and response to priority vaccine preventable disease outbreaks
8		Ensure Effective Cold Chain and Vaccine Management

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**Comprehensive Multi-Year Plan for Immunization**

<b>Obj #</b>	<b>Objective</b>	<b>Strategies</b>
	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Strengthen procurement and supply chain management for immunization service delivery
9	To Accelerate the pathway to impact, including evidence generation, operational and implementation research and knowledge sharing.	Strengthen the capacity to conduct operational research relevant to immunization Effective Monitoring, evaluation and supervision for quality service Equip pre- and in- service health workers and mid- level managers with knowledge, skills and competencies in research and knowledge sharing Build capacity in the use of Geographic Information System and data analytics
10	To Create opportunities for innovation and documentation of best practices	To build local capacity to use innovation to solve programmatic challenges

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3.5 Activities and Timeline

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Mobilize support from the private sector and bilateral agencies	Negotiate for support from the private sector and other bilateral agencies	X	X	X	X	
1			Increase government budgetary allocation for immunization	Submit annual request to Ministry of Health and Ministry of Finance to secure co-financing for new vaccines	X	X	X	X	
				Use evidence-based advocacy for resource mobilization from <a href="#">Development Partners</a>	X	X	X	X	
1			Increase government budgetary allocation for immunization	Develop RM plan for immunization discuss issue at all partners meetings	X	X	X	X	
1				Use evidence-based advocacy for resource mobilization from government	X	X	X	X	
1				enforce financial monitoring at all levels	X	X	X	X	
1				<del>Recruit/redeploy skilled staff. Train existing staff</del>	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)		Train health promotion technical officers at the district level. Promote job aids	X	X	X	X	
1				Train staff in developing and implementing micro plans	X	X	X	X	
1		Accelerated disease control		Increase supportive supervision from district to subdistrict level	X	X	X	X	
1		Accelerated disease control		Increase supportive supervision from regional and district to frontline workers	X	X	X	X	
1		Programme Management (Policy, planning and management)		Enforce implementation of GIFMIS at regional and district levels	X	X	X	X	
1		Accelerated disease control	Enhance and prudently manage financial resource for sustainability	Development of TOR for options analysis and evidence to engage with parliament, GoG, MoF and setting up of Task Team	X	X	X	X	
1		Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Bootcamp to develop data base system for costing of health services at facility level	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Data entry and Reporting	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Data entry and Reporting	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Develop options analysis and evidence to engage with Parliament and Ministry of Finance on sources of funding and GoG allocation to health for the achievement of UHC	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Develop options analysis and evidence to engage with Parliament, Government, Ministry of Finance on sources of funding and GoG allocation to health for the achievement of UHC	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Fieldwork/Data Collection	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	<del>Contribute to development of the NHA</del>	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Printing and Dissemination	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Strengthen integrated planning and budgeting at all Levels	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Strengthen integrated planning and budgeting at all Levels <a href="#">check obj REC</a>	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Support the development of the Gavi transition plan	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Support the development of the Gavi transition plan	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	<del>Support the development of the National Health Accounts 2020-2024</del>	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Support the development of the National Health Accounts 2021 - 2024	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Technical Working sessions to develop TOR for options analysis and evidence to engage with parliament, GoG, MoF and setting up of Task Team	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	ToT workshop for National and Regional Technical Focal Persons	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	Working Session to develop NHA	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Policy, planning and management)	Enhance and prudently manage financial resource for sustainability	workshop to develop costing tools for costing of health services at facility level	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Budget Support to Region to organize training workshops and develop Regional, District and Sub District Integrated Plans and Budgets	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Build capacity at all levels in proposal development and advocacy skills and create champions for resource mobilization	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Build capacity at all levels in proposal development, fund raising, and advocacy skills and create champions for resource mobilization	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Build capacity of sub -district managers in management skills <u>in prudent use of resources</u>	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
		institutional capacity)							
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	National training for regional trainers on sub-district management manual	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	National training for regional trainers on sub-district management manual	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Scale up support for capacity building of finance and non-finance staff in public financial management at the district and sub-district levels	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Scale up support for capacity building of finance and non-finance staff in public financial management at the district and sub-district levels	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Scale up support for capacity building of finance and non-finance staff in public financial management at the district and sub-district levels	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Training of Data Collectors	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Training of Field Staff/Data Collectors	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Training of sub- district managers on sub-district management manual	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Programme Management (Strengthening human resource and institutional capacity)	Enhance and prudently manage financial resource for sustainability	Training of sub- district managers on sub-district management manual	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Assess geographical disparities in financial resource allocation for immunization services	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Assess geographical disparities in financial resource allocation for immunization services	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Assess geographical disparities in financial resource allocation for immunization services	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	National Dialogue to develop innovative public private resource mobilization mechanisms	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Support GHS (sub-national level) to develop innovative public private resource mobilization mechanisms.	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Support GHS (sub-national level) to develop innovative public private resource mobilization mechanisms.	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Support GHS to institutionalize costing of EPI services in setting NHIA premiums, specification and tariffs for sustainable immunization financing	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Support GHS to institutionalize costing of EPI services in setting NHIA premiums, specification and tariffs for sustainable immunization financing	X	X	X	X	
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Technical Working Session to develop innovative public private resource mobilization mechanisms.	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Sustainable Financing	Enhance and prudently manage financial resource for sustainability	Training workshop on proposal development for resource mobilization	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	To update the organizational structure	Develop and Implement performance-based management system	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	To update the organizational structure	Request for additional staff as per the new organogram	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Involvement in stakeholders' meetings and activities	Review and approve existing EPI organogram	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Yellow Fever supplemental activities in high risk areas	Plan and implement SIA in high risk districts	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Supervision monitoring and evaluation	Quarterly performance review and bulletin	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthening of ICC and NITAG	Hold ICC meeting quarterly	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthening of ICC and NITAG	Hold quarterly NITAG meetings	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen departmental meetings	Organize weekly departmental meeting	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Involvement in stakeholders' meetings and activities	Support annual meeting of DDPH, DDHS, PHN, CHN, GHAPTO, Pediatric Society	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)		develop a detailed immunization plan at the district level integrated into the district health plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)		Engage different stakeholders on specific epi strategies	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)		Improve harmonization of programme activities. <b>Develop a framework for harmonizing programme activities</b>	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing		HSWG to increase advocacy for increased resources, commitment for EPI	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing		ICC to increase advocacy for increased resources, commitment for EPI	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthening of ICC and NITAG	Hold ICC technical committee meeting every other month	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	To update the organizational structure	Orientation of new staff in key areas of immunization	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen departmental meetings	Hold monthly data validation and reconciliation meeting	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Surveillance	Use of data for decision making	Organize quarterly performance review meetings	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and	To update the organizational structure	Support short, long term training and distance learning courses relevant to EPI	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
		institutional capacity)							
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Surveillance	Use of data for decision making	Train health workers in analysis and use of data for action	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)		Train and fund NITAG for full functionality	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing		Build capacity in the use of data for decision making. Strengthen supervision	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Supervision monitoring and evaluation	Quarterly supervisory visits and feedback	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)		Enforce integrated planning and implementation of all services at sub national levels	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Yellow Fever supplemental activities in high risk areas	Conduct risk assessment	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Introduction of new vaccines and technologies	Support short, long term training and distance learning courses relevant to EPI	Conduct disease burden assessment before introduction of new vaccines	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Supervision monitoring and evaluation	Annual update cMYP	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Supervision monitoring and evaluation	Conduct comprehensive EPI Review - mid tern and end term	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Logistics and Supply	To increase the transport fleet for EPI operations at all levels	Procure and maintain field vehicles, trucks, motorcycles, bicycles and boats and life jackets in line with expanding administrative levels and transport replacement plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Strengthen harmonization, coordination and monitoring of health programme implementation	Create and support activities of CSR sustainability managers/champions	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Strengthen harmonization, coordination and monitoring of health program implementation	CSO Quarterly <a href="#">review meetings on GAVI supported activities</a>	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Strengthen harmonization, coordination and monitoring of health programme implementation	<del>National dialogue to review the National Health Insurance Policy framework</del>	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Improve Grant Management and Administration	National level monitoring of CSOs project implementation	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Accelerated disease control	Improve Grant Management and Administration	Regional level monitoring of CSOs project implementation	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Advocacy and communication	Strengthen harmonization, coordination and monitoring of health program implementation	<del>Multi-stakeholder meeting:</del> Development of Draft Joint Appraisal Review Document	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Logistics and Supply	Strengthen harmonization, coordination and monitoring of health program implementation	Procure Office Equipment and Furniture	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Logistics and Supply	Strengthen harmonization, coordination and monitoring of health program implementation	Procure office equipment and furniture to support the GCNH national secretariat	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Logistics and Supply	Strengthen harmonization, coordination and monitoring of health program implementation	Procure office equipment and furniture to support the GCNH national secretariat	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Conduct annual external programme audit	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Conduct annual external programme audit	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	Conduct mid-term and end-term Gavi HSS and PSR evaluation	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	Conduct mid-term and end-term Gavi HSS and PSR evaluation	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	Conduct mid-term and end-term Gavi HSS and PSR evaluation	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Collaborate with GCNH to hold quarterly Board of Trustees of GCNH meeting to take management decisions on CSOs strategies	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	CSOs National and Regional annual monitoring and support visits	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	CSOs National and Regional annual monitoring and support visits	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Data Analysis and Report writing	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Develop a CSR compact for engagement and dialogue	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Develop business case plan-Obj1	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Development of mapping and profiling tool	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	GAVI Mission Visit In-country support	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	<span style="color: red;">GAVI Mission Visit In-country support</span>	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	HSMTDP Validation and Finalization meetings	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	<span style="color: blue;">Multi-stakeholder meeting: in-country Dialogue: Consensus Building Debriefing and Finalization Meetings)</span>	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Joint Quarterly PSR Implementation review meetings	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Joint Quarterly PSR Implementation review meetings	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Joint Quarterly PSR Implementation review meetings	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Launch and Dissemination of HSMTDP	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Launch of National Health Insurance policy framework	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Launch of Private Sector Development Policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	National Dialogue for the development of the M&E Plan	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	National Dialogue for the review of the private sector development policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Printing of Business Case plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative activities at implementation level	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative activities at implementation level (CSO)	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative activities at implementation level (CSO)	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative activities at implementation level (GHS)	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative activities at implementation level (GHS)	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Programme related routine administrative and HR activities (CSOs)	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Review of the Private Sector Health Development Policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Review of the Private Sector Health Development Policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Strengthen the roles of Governing bodies of the health system (CSOs)	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Strengthen the roles of Governing bodies of the health system (MoH & agencies)	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Strengthen the roles of Governing bodies of the health system (MoH & agencies) -NITAG, HSWG,ICC	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Support International study tours to health institutions of excellence in immunization	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Support International study tours to health institutions of excellence in immunization	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Support for field data collection look for appropriate obj	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support four (4) ICC meeting at the national level	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Support programme related routine HR activities at CSO level	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Support programme related routine HR activities at CSO level	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Support the development of the Gavi transition plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the development of the Health sector M&E plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the development of the Health sector M&E plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the development of the HSMTDP	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the development of the HSMTDP: National level dialogue	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the oversight and stewardship functions of HSWG	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Support the oversight and stewardship functions of NITAG	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Technical Working Session for the development of the HSMTDP	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Technical Working Session for the development of the M&E Plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Technical Working Session for the development of the National Health Insurance Policy Framework	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Technical Working Session for the development of the Private Sector Development Policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	Undertake financial data validation at the regional and CSO level	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Improve Grant Management and Administration	Undertake financial data validation at the regional and CSO level	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Undertake independent financial reviews of programme activities at all levels	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Undertake independent internal annual expenditure reviews at all levels	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Undertake independent internal annual expenditure reviews at all levels	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health program implementation	Undertake Joint Annual Appraisal Process	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen harmonization, coordination and monitoring of health programme implementation	Validation and Dissemination meeting	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Validation and Dissemination meeting for the M&E Plan	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Policy, planning and management)	Review and develop policy relevant document for health system strengthening	Validation and Dissemination meeting for the private sector development policy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Strengthen harmonization, coordination and monitoring of health program implementation	Build capacity of CSOs in Communication for Immunization (C4I) strategy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Strengthen harmonization, coordination and monitoring of health program implementation	Build capacity of CSOs in Communication for Immunization strategy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Strengthen harmonization, coordination and monitoring of health program implementation	Build capacity of CSOs in Communication for Immunization strategy	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Review and develop policy relevant document for health system strengthening	Build capacity of CSOs in health sector policy dialogue and accountability	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Strengthen harmonization, coordination and monitoring of health program implementation	Build capacity of Governance bodies in project management and leadership	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Review and develop policy relevant document for health system strengthening	Capacity Assessment of CSOs in health sector policy formulation, program implementation, and oversight using USAID Entry Point Tool for Mapping	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Strengthen harmonization, coordination and monitoring of health programme implementation	Capacity building for field workers <a href="#">in immunisation</a>	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Review and develop policy relevant document for health system strengthening	Development of Training Tools for CSOs in health sector policy formulation, program implementation, and oversight	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Review and develop policy relevant document for health system strengthening	Training of CSOs in health sector policy formulation, program implementation, and oversight	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Programme Management (Strengthening human resource and institutional capacity)	Review and develop policy relevant document for health system strengthening	Undertake Capacity Assessment and build capacity of CSOs in health sector policy and implementation process	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
1	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Engage with Parliament and Ministry of Finance on sources of funding and GoG allocation to health in meeting co-financing obligations and attainment of UHC	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Engage with Parliament, Government, Ministry of Finance on sources of funding and GoG allocation to health in meeting co-financing obligations and attainment of UHC	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Printing and Dissemination of co-financing Business Case	X	X	X	X	
1	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Review of National Health Insurance Policy framework to include sustainable financing of immunization.	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Review of National Health Insurance Policy framework to include sustainable financing of immunization.	X	X	X	X	
1	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Review the current Health Financing Strategy and develop an integrated business case plan for other sources of funding	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Review the current Health Financing Strategy and develop an integrated business case plan on sources of funding and GoG allocation to health for meeting co-financing obligations and attainment of UHC	X	X	X	X	
2	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Review the Health Financing Strategy and develop the ToR for options analysis and evidence for business case plan	X	X	X	X	
1	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Develop Corporate Social Responsibility (CSR) Strategy	X	X	X	X	
1	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and supervision) at all levels of the health sector	Sustainable Financing	Strengthen harmonization, coordination and monitoring of health programme implementation	Strengthen domestic resource mobilization through the implementation of the Corporate Social Responsibility Strategy (CSR)	X	X	X	X	
9	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)		Conduct sero-prevalence survey for evidence for policy decisions. Generate evidence on the HPV for recommendation by NITAG	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Focused mobilization of urban and hard to reach populations	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society	Conduct advocacy meetings with partners-UNICEF, Polio Plus, Parliamentarians, religious and traditional leaders	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Conduct KAP (include client satisfaction, vaccine hesitancy) study on immunization services utilization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Develop a new behavioral change communication strategy	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Enhance school involvement in EPI activities	Develop guidelines on EPI for competition and drama in schools	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Develop immunization communication materials ( <a href="#">print &amp; media</a> )	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Develop, print and distribute fact sheets on key immunization messages to decision makers and community leaders	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	EPI Policy dissemination to all levels	To print and disseminate EPI policy and guidelines to all service delivery points	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
<del>3</del>	<del><a href="#">To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)</a></del>	<del><a href="#">Programme Management (Policy, planning and management)</a></del>	<del><a href="#">EPI Policy dissemination to all levels</a></del>	<del><a href="#">Develop vaccine related event response plan</a></del>					
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control		enforce reporting of AEFI. Develop job aids.	X	X	X	X	
<del>3</del>	<del><a href="#">To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)</a></del>			<del><a href="#">Participation in the periodic vaccine safety review committee meeting</a></del>					
<del>7</del>	<del>To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)</del>	<del>Accelerated disease control</del>		<del>Increase awareness and train health facilities in AEFI reporting <a href="#">and investigation at the regional level</a></del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del></del>
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control		Increase number of awareness engagement with communities and care givers	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control		Increase number of awareness engagement with communities on immunizations services	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication		develop audio/visual materials in local languages	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)		Conduct operational research to identify root cause of low coverage. <a href="#">obj9</a> . Map all hard to reach areas and Develop specific innovative strategies to address low coverage	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control		Estimate budget for optimum integrated monitoring and supervision. Leverage on integrated plans to implement it. Strengthen capacity for quality supervision	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication		Develop communication plan specific to district situation. Provide orientation to districts	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	EPI Policy dissemination to all levels	Update the existing policy and guidelines	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control		Increase supervision, enforce guidelines and develop job aids	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Organize annual African Vaccination Week and Child Health Promotion Week celebrations	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion	Organize meetings with NGOs and associations, including community health workers to discuss their participation in immunization	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
			leaders and civil society						
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society	Orientation for broadcasters and reporters and media managers	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Awareness creation on immunization services to decision makers and community	Partner Ministry of Education, <a href="#">GSP</a> in implementing child health education activities	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society	<a href="#">Quarterly EPI ICC meeting at National</a>	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society	Sensitization of Village health committees to include EPI in routine health meetings	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion	Sensitization of religious, cultural and civil societies in EPI	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
			leaders and civil society						
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Build advocacy and partnership with political leaders, media, religious leaders, opinion leaders and civil society	Support CSOs and community groups to strengthen communication for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	Adopt and create awareness for the use of <a href="#">mobile data collection tools</a> for reporting AEFI	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	Adopt and create awareness for the use of <a href="#">mobile data collection tools</a> for reporting AEFI	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	Build systems for effective Social & Behavior Change Communication (SBCC) for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	<a href="#">Conduct outreaches to churches and mosques</a>	X	X	X	X	

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**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	Collaborate with traditional and non-traditional ( <a href="#">including social media</a> ) media for advocacy and awareness creation	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	<a href="#">Provide</a> Community video show of immunization documentary	X	X	X	X	
<a href="#">3</a>	<a href="#">To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)</a>			<a href="#">Sensitization of social media blodgers</a>					
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	conduct quarterly community durbars at community level	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	Distribution of IE&C materials for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite resources	<a href="#">Distribution of IE&amp;C materials for immunization</a>	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	Equip Queen Mothers to implement demand generation activities at the community level	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	<a href="#">Conduct immunization awareness campaigns at market and jorry stations on</a>	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	Organize Queen mothers' forums to develop strategies to improve access to immunization services	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	Strengthen Queen Mothers involvement in demand generation for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	Support CSOs to undertake community level outreaches and build capacity of community health volunteers for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Accelerated disease control	Create demand for immunization services through advocacy and provision of the requisite of the	Support CSOs to undertake community level outreaches and mobilization for immunization	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Advocacy Meeting with chief editors at the National and regional Level	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Advocacy Meeting with high level senior editors at the National Level	X	X	X	X	
7	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Develop and Print Job Aid for AEFI detection and reporting	X	X	X	X	
7	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Develop and Print Job Aid for AEFI detection and reporting	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Engage key stakeholders (Private Sector, CSOs, MoF, Parliamentary Sub Committee on Health etc.) on demand generation for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Engage key stakeholders (Private Sector, CSOs, MoF, Parliamentary Sub Committee on Health etc.) on demand generation for immunization	X	X	X	X	

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**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Orientation and review meeting with Champions on Key Immunization Issues - National	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Orientation and review meeting with Regional and National Champions on Key Immunization Issues	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Orientation and review meetings with Champions on Key Immunization Issues - Regional	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite of the	orientation of 15 queen mothers and chiefs as advocates for immunization.	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Printing of IE&C materials for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Printing of IE&C materials for immunization	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Review and Pre-Test for local acceptance	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Use SMS messages to improve communication with providers, caregivers, CSOs, general public, especially for the second year of life	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Advocacy and communication	Create demand for immunization services through advocacy and provision of the requisite resources	Use social media (e.g. SMS) to improve communication with providers, caregivers, CSOs, general public, especially for the second year of life	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite resources	Data collection for immunization equity assessment	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite resources	Develop and/or adopt Tools for Immunization Equity Assessment	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite resources	Development of equity assessment tools and data collection	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite of the	Engage faith-based groups in immunization dialogue	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite of the	Mapping up of queen mothers in district/ communities	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite of the	Mapping up of queen mothers in district/ communities	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite of the	Organize forum for faith-based groups on immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite of the	Organize forum for faith-based groups on immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite resources	Pre-test and revise tools for Immunization Equity Assessment(one day orientation)	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Policy, planning and management)	Create demand for immunization services through advocacy and provision of the requisite resources	Technical Assistance for Immunization Equity Assessment	X	X	X	X	
10	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Build capacity of health staff in GIS technology to address inequities in immunization service ( Reflect in PSR)	X	X	X	X	
10	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Build capacity of health staff in GIS technology to address inequities in immunization service ( Reflect in PSR) - National Level	X	X	X	X	
10	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Build capacity of health staff in GIS technology to address inequities in immunization service ( Reflect in PSR) - Regional Level	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Build capacity of national and regional health staff in GIS technology to address inequities in immunization service	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Identify and train immunization champions to improve immunization coverage (e.g. Workplace, male involvement, religious, traditional authority)	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Technical Assistance to develop IE&C material for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Technical Assistance to develop IE&C material for immunization	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Train field workers for Immunization Equity Assessment	X	X	X	X	
4	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Training and preparation of micro-plans to address coverage and inequities	X	X	X	X	
4	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Training of Districts and Sub District in micro-planning	X	X	X	X	

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### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
4	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Training of Districts and Sub District teams by the regional team in micro-planning	X	X	X	X	
4	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Programme Management (Strengthening human resource and institutional capacity)	Create demand for immunization services through advocacy and provision of the requisite resources	Training of trainers for regional teams in microplanning- national level	X	X	X	X	
9	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Sustainable Financing	Create demand for immunization services through advocacy and provision of the requisite resources	Conduct immunization equity assessment (geography, human resources, equipment, marginalized groups).	X	X	X	X	
1	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Sustainable Financing	Create demand for immunization services through advocacy and provision of the requisite resources	Consultative Meeting with the private sector on immunization resource mobilization to improve coverage	X	X	X	X	
3	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Sustainable Financing	Create demand for immunization services through advocacy and provision of the requisite resources	Engage Parliamentary select Committee on Health on immunization demand generation and resource mobilization	X	X	X	X	

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**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Programme Management (Strengthening human resource and institutional capacity)		Increase supervision of vaccination sessions. A quick survey of timing of services to inform solutions. Health facilities could also adopt flexible timing. Training and engagement of private health facilities to provide flexible immunization sessions. Train more staff beyond the core staff to offer immunization services. Involve communities in problem solving and its implementation (increase community ownership of immunization)-community engagement and decision making. (info in 2YL survey). "Document guidance should be available at all levels.	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Sustainable Financing		mapping communities with coverage and access challenges and putting in targeted interventions, resources and skills to address them.	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Accelerated disease control		Discuss with HR to address staff distribution. Provide motivation/incentives to deploy staff to needed areas	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Accelerated disease control	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Mobilize children in nomadic and migrants centres for immunization	X	X	X	X	



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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Accelerated disease control	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Provide targeted immunization services to nomads and migrant populations	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Accelerated disease control	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Scaling up of satellite sites to some selected areas for immunization services	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Accelerated disease control	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Scaling up of satellite sites to some selected areas for immunization services	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Logistics and Supply	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Procurement of motor bikes for sub districts to support immunization services including mobilization	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Logistics and Supply	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Procurement of motor bikes for sub districts to support immunization services including mobilization	X	X	X	X	

**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Logistics and Supply	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Procurement of vehicles for districts to support immunization services including mobilization	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Logistics and Supply	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Procurement of vehicles for districts to support immunization services including mobilization	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Logistics and Supply	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Procurement of vehicles and motor bikes for districts and sub districts to support immunization services including mobilization	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Programme Management (Policy, planning and management)	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Mapping of migrants and Nomadic for immunization	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Programme Management (Policy, planning and management)	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Support volunteers to track immunization defaulters	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Sustainable Financing	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Build capacity and resource community health volunteers in immunization services	X	X	X	X	
4	To achieve at least 90% Penta 3 coverage in all districts by 2024	Sustainable Financing	Capacity building of health staff and provision of resources for high quality and equitable immunization services	Build capacity and resource community health volunteers in immunization services	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Surveillance	Strengthen the VPD surveillance system within the Integrated disease surveillance and response	Support the collection and transportation of specimen to the laboratory	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Accelerated disease control		Provide funding for sample transportation to reference laboratories for diagnosis of pathogens. Include vaccines and immunization supplies in the GhILMIS for visibility. Provide funding for specimen carriers and kits and put in place mechanism for monitoring	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)		Increase number of awareness engagement with communities. Refresher training of communities, volunteers. Development of targeted communication and information messages. Quick survey to identify target communities.	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Surveillance	Strengthen the VPD surveillance system within the Integrated disease surveillance and response	Support active case search, case investigation and community sensitization of AFP, measles, YF, and MNT	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Surveillance	Strengthen the VPD surveillance system within the Integrated disease surveillance and response	Implement measles rubella elimination surveillance mode	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Build demonstration centres in selected institutions	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Print copies of EPI MLM training modules	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Sustainable Financing	Strengthening routine immunization activities through RED/REC strategy in all district	Mobilize resources for routine immunization activities	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Review and update the EPI training manuals and reference materials	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Revise pre-service institution curriculum to include updates on EPI	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Work with the Ministry of Education and Health to update the pre-service health-training curriculum	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Surveillance	Strengthen the VPD surveillance system within the Integrated disease surveillance and response	Conduct quarterly surveillance review meetings	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Develop on-the-job training plan and implement at all levels	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Conduct EPI MLM training	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Strengthening human resource and institutional capacity)	Equip pre- and in-service health workers and mid-level managers with knowledge, skills and competencies in EPI service del	Training health tutors in EPI	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Sustainable Financing		Mobilize resources for surveillance and outbreak response. Train community volunteers.	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Surveillance	Strengthen the VPD surveillance system within the Integrated disease surveillance and response	Review and disseminate AFP, measles, MNT and other VPD guidelines and case investigation forms	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Programme Management (Policy, planning and management)		reinforce policy, intensify supervision. Conduct studies to define the problem.	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Carry out Periodic intensification of Routine immunization (mop-up) immunization in poorly performing sub districts twice in a year in every district using vaccination weeks	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Conduct quarterly performance review at all levels (National, Regional, Districts, sub districts)	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Identify hard to reach/difficult to reach populations and make special plans to reach them	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Advocacy and communication	Capacity building for communication for EPI	Training of health workers in immunization communication skills	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Organize workshops on microplanning with districts/ Develop RED/REC Plans at various levels	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Provide and distribute relevant documents/charts for RED implementation	X	X	X	X	
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Immunization services	Strengthening routine immunization activities through RED/REC strategy in all district	Implement all the five components of RED/REC in all districts	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Surveillance	Sentinel surveillance for diseases targeted for new vaccines	Provide reagents and relevant supplies to the sentinel site laboratory to collect, transport and examine specimen	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Surveillance	Sentinel surveillance for diseases targeted for new vaccines	Conduct laboratory search for potentially WPV contained materials	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Surveillance	Sentinel surveillance for diseases targeted for new vaccines	Establish sentinel sites for congenital rubella syndrome	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Implementation of MNTE Sustainability plan	Establish nationwide school-based Td immunization in collaboration with GES and Family Health Division	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Surveillance	Sentinel surveillance for diseases targeted for new vaccines	Regular orientation of laboratory staff in VPD surveillance	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Drop out monitoring and introduce strategies for tracing defaulters to reduce missed opportunities	Conduct quarterly supportive supervision and feedback	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Introduction of new vaccines and technologies	Introduce Heb B dose at birth	Conduct comprehensive EPI Review - mid term and end term	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Drop out monitoring and introduce strategies for tracing defaulters to reduce missed opportunities	Establish daily immunization at static clinics and screen for immunization status in all outpatient departments	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Implementation of MNTE Sustainability plan	Strengthen integration of ANC with Td immunization	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Introduction of new vaccines and technologies	Introduce Heb B dose at birth	Apply to GAVI to introduce Hep B	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Implementation of MNTE Sustainability plan	Conduct annual MNT risk assessment and implement response campaign	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Drop out monitoring and introduce strategies for tracing defaulters to reduce missed opportunities	Conduct e-registration and defaulter tracing of target children	X	X	X	X	



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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Immunization services	Implementation of MNTE Sustainability plan	Implement Protected monitoring at birth in all health facilities and outreach points	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Accelerated disease control	Strengthen the uptake of services beyond infancy	Provide support to CHPS zones for outreach and home visits	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Accelerated disease control	Strengthen the uptake of services beyond infancy	Provide support to CHPS zones for outreach and home visits	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Accelerated disease control	Strengthen the uptake of services beyond infancy	Strengthen uptake of services beyond infancy	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Programme Management (Policy, planning and management)	Strengthen the uptake of services beyond infancy	Organize a consultative meeting between MOH/GES and social welfare to reach children in crèches and kindergartens	X	X	X	X	
6	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Programme Management (Policy, planning and management)	Strengthen the uptake of services beyond infancy	Organize a consultative meeting between MOH/GES and social welfare to reach children in crèches and kindergartens	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Increase herd immunity through polio NID	Implement nationwide under 5 campaigns for polio integrated with other child survival interventions	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Measles Rubella under five supplemental activities	Plan and implement nationwide SIAs every four years	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Increase herd immunity through polio NID	Support implementation of national emergency preparedness and response plan	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Strengthen the technical committees	Document polio certification activities	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	AEFI Monitoring and management	print and distribute AEFI monitoring and management guidelines to all levels	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Strengthen Community Based Surveillance System	Collaborate with other stakeholders in training and equipping the CBSV to work efficiently	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Strengthen the technical committees	Support quarterly NCC, NPEC and NTF	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control		Prompt, clarity and consistency of feedback to health facility. Establish mechanism (App) to track sample submission and feedback.	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Strengthen Community Based Surveillance System	Collaborate with Surveillance department to identify and train old and new cadre of surveillance officers at all levels	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	AEFI Monitoring and management	Conduct regular monitoring and reporting for AEFI	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	AEFI Monitoring and management	Strengthen facilities to manage AEFIs	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	AEFI Monitoring and management	Train regional and district staff on AEFI monitoring and management	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Capacity building for surveillance of EPI target diseases within the IDSR framework	Training and sensitization of pre-service training tutors' lecturers and in-service health workers in disease surveillance and response	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Surveillance	Strengthen the technical committees	Document the gains and challenges from polio eradication initiative	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Introduction of new vaccines and technologies	Initiate surveillance and reporting systems for the diseases targeted with the new vaccines	Integrate new vaccines surveillance into existing VPD surveillance system	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	Conduct integrated monitoring	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Investigate and respond to VPD outbreaks	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	VPD outbreak investigations and response	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Accelerated disease control	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	VPD outbreak investigations and response	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Logistics and Supply	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Procure Lab Reagents for PHRLs for VPD outbreak investigations	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Logistics and Supply	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Procure Lab Reagents for PHRLs for VPD outbreak investigations	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Adaptation of Tools	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct annual EPI Coverage survey	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct annual EPI Coverage survey	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct annual EPI desk review	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct annual EPI desk review	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct EPI half-year and annual review	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct EPI half-year and annual review	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Conduct EPI reviews at national levels	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	Conduct integrated monitoring and supportive supervision	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Data Collection	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Data Management and Report Writing	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	National to regional	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Policy, planning and management)	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	Regional to district	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Build capacity of frontline staff in immunization operational research	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Build capacity of middle level managers in result-based implementation and monitoring of programmes	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	Build capacity of middle level managers in result-based implementation and monitoring of programmes	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen program coordination and collaboration with key stakeholders and partners at all levels	Build capacity of middle level managers in result-based implementation and monitoring of programmes	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Training frontline staff in immunization operational research	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Training frontline staff in immunization operational research	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Training of Data Collectors	X	X	X	X	

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Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Training of PHR zonal labs staff in VPD outbreaks	X	X	X	X	
7	To Strengthen VPD and AEFI surveillance and response	Programme Management (Strengthening human resource and institutional capacity)	Strengthen early detection and response to priority vaccine preventable diseases outbreaks	Training of PHR zonal labs staff in VPD outbreaks	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Monitor vaccine wastage at all levels. - in dhims-enforce	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Procure adequate quantities of vaccines	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Conduct inventory to map out facilities without fridges. Refresher training for temp monitoring. Increase supervision and feedback.	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Accelerated disease control		Increase supervision and monitoring of NIP. Develop job aids to held staff	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish injection and waste management practices at district and facility levels	Construct on incinerator in every hospital and major health centres	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish injection and waste management practices at district and facility levels	Rehabilitate all the old incinerators	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Sustainable Financing	Extension of GAVI support for new vaccines	Request for extension from GAVI for new vaccines	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Conduct vaccine forecast and obtain cost estimates	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Provide revised tools for vaccine forecasting	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)		Develop and discuss strategy to integrate NIP commodities into the National distribution system (Last mile delivery-LMD)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)		Strengthen planning and stock management at facility level. Provide means of transport for collection of vaccines at district level	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Quarterly delivery of EPI vaccines from national to regions	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Collaborate with National Regulatory Authority e.g. FDA to develop standard guidelines to ensure vaccine quality	To support FDA to conduct regular vaccine potency testing at the lower levels	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Train health workers on vaccine forecast, stock management and vaccine wastage monitoring	X	X	X	X	



### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Train cold chain managers (on the use of the stock management tool - SMT and vaccine ledger- all levels) at regional and district levels	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Train target staff in vaccine forecasting. Strengthen planning and stock management at facility level. Provide means of transport for collection of vaccines at district level	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Train technicians in cold chain maintenance. Increase number of cold chain technicians. Explore PPP with the private sector to maintain the cold chain. (include short term consultants)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Training vaccine ledger- all levels) at regional and district levels. Increase supervision	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Accelerated disease control		Increase supervision for adherence to guidelines, increase funding for cold chain management	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Vaccine supply and quality	Build capacity for vaccine management at all levels	Conduct effective vaccine management assessment	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Annual logistics forecast and inventory	Build capacity for logistic forecasting at all levels	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish injection and waste management practices at district and facility levels	Train all vaccinators in injection safety and waste management practices	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish a planned preventive maintenance in every region	Train regional cold chain technicians in preventive cold chain maintenance and provide periodic refresher	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Integrate logistics management information system (LMIS) integrated into DHIMS	Adapt and implement the LMIS at all levels - GhiLMIS	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Integrate logistics management information system (LMIS) integrated into DHIMS	Quarterly update of the cold chain inventory in DHIMS	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Annual logistics forecast and inventory	Supervise forecasting and inventory at lower levels	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Integrate logistics management information system (LMIS) integrated into DHIMS	Conduct a comprehensive inventory for all EPI equipment at all levels	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Develop and implement a cold chain expansion plan	Conduct regular cold chain needs/replacement assessment at all levels	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)		Procure equipment for maintaining cold chain. Training in cold chain guidelines and SOPs, Enforce adherence to guidelines and SOPs.	X	X	X	X	

**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish injection and waste management practices at district and facility levels	Provide personal protective equipment for management of waste. Provide orientation	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Develop and implement a cold chain expansion plan	Procure and install additional cold room at the national and regional level	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply		Increase national cold room storage and cold vans.	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply		use CCEOP and additional resources to procure and distribute. Mobilize resource	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Develop and implement a cold chain expansion plan	Procure and distribute cold chain equipment to new and needy districts	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Accelerated disease control		CCEOP	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish injection and waste management practices at district and facility levels	Provide adequate safe injection related materials (AD syringes, safety boxes etc.) on a regular basis	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish a planned preventive maintenance in every region	Provide cold chain spare parts and workshop consumables for timely maintenance of equipment	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Maintain a quarterly distribution plan	Implement quarterly and monthly vaccine and supplies distribution system from central level to districts and within districts	X	X	X	X	

**Comprehensive Multi-Year Plan for Immunization**

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Establish a planned preventive maintenance in every region	Support regional and district teams to carry out routine and timely maintenance and repair of equipment	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Accelerated disease control	Strengthen procurement and supply chain management for immunization service delivery	Conduct an Effective Vaccine Management Assessment (EVMA)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Accelerated disease control	Strengthen procurement and supply chain management for immunization service delivery	Undertake temperature mapping study in the National and Regional cold rooms	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Strengthen procurement and supply chain management for immunization service delivery	Build capacity for vaccine and supplies estimation for middle level management (MLM)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Strengthen procurement and supply chain management for immunization service delivery	Develop EVM improvement plan	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Strengthen procurement and supply chain management for immunization service delivery	Engage technical assistant to conduct EVMA	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Strengthen procurement and supply chain management for immunization service delivery	Procure cold chain equipment for districts and health facilities with inadequate cold chain capacity	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Logistics and Supply	Strengthen procurement and supply chain management for immunization service delivery	Procure cold chain equipment for districts and health facilities with inadequate cold chain capacity	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Adaptation of tools	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Analysis and Report writing.	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Conduct EVMA Assessment and develop Improvement Plan	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Conduct ICC meeting to disseminate EVMA results	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Engage technical assistant for Temperature Mapping Study	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	Fieldwork and Assessment	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Policy, planning and management)	Strengthen procurement and supply chain management for immunization service delivery	TA and local team for Temperature Mapping Study	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Train EVM Assessors and Pilot testing	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Scale up training of cold chain technicians at the regional level to support district teams	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Scale up training of cold chain technicians at the regional level to support district teams	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Scale up training of cold chain technicians at the regional level to support district teams	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Train district staff in basic principles of immunization logistics management (LMIS)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Train district staff in basic principles of immunization logistics management (LMIS)	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Training in temperature mapping study	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Programme Management (Strengthening human resource and institutional capacity)	Strengthen procurement and supply chain management for immunization service delivery	Training in temperature mapping study	X	X	X	X	
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	Sustainable Financing	Strengthen procurement and supply chain management for immunization service delivery	Hire 1 consultant and a local resource person for EVMA	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points			Develop a vaccine storage strategy for Ghana	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)		Identify and implement tracking system to NIP at all levels. Data should be disaggregated for vulnerable groups.	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)		Document guidance for all levels.	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Operations research	Develop implementation research protocols	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Operations research	Hold annual dissemination of research findings	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Surveillance	Use of data for decision making	Conduct coverage surveys	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Operations research	Train health workers in the use of GIS, EPI Info and STATA in data management	X	X	X	X	



### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Strengthening human resource and institutional capacity)		Train district validation team in data validation and quality checks. Ensure validation of data takes place at all levels.	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)		Organize quarterly reviews at all levels. Intensify supervision at all levels	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Sustainable Financing		Provide domestic resources to procure recording and reporting tools	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Operations research	Build capacity for bottleneck analysis to identify barriers	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Operations research	Build capacity for operations research	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Introduction of new vaccines and technologies	Conduct operational research including burden of disease assessments	Conduct KAPB studies in new vaccines and acceptance of multiple injections	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Complete all DHIMS2 eTracker MCH data set reports automation	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Complete all DHIMS2 eTracker MCH data set reports automation	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Conduct data quality assessment (DQA)	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Develop and implement data quality improvement plan	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Improve data availability, quality and reporting	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Print and distribute data collection tools ( tally books, CWC register, AEFI reporting and investigation form, monthly reporting form)	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Print and distribute data collection tools ( tally books, CWC register, AEFI reporting and investigation form, monthly reporting form)	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Support eTracker Server hosting and integration	X	X	X	X	

### Comprehensive Multi-Year Plan for Immunization

Obj. #	Objectives	Immunization System Component	Strategies	Activity description	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr 5
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Support eTracker Server hosting and integration	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Support the scale up of e-tracker	X	X	X	X	
9	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Programme Management (Policy, planning and management)	Improve generation and use of quality immunization data	Undertake data quality assessment (DQA) and plan implementation	X	X	X	X	
	To improve governance and management functions at all levels of the health sector	Programme Management (Policy, planning and management)	Strengthen programme coordination and collaboration with key stakeholders and Partners at all levels Build capacity in the use of Geographic Information System and data analytics	Support the development of health sector policies	X	X	X	X	

CHAPTER FOUR: COSTING, FINANCING AND FINANCIAL SUSTAINABILITY

4.1 Introduction

4.2 Cost of Comprehensive Multi-Year Plan

4.2.1 Total Immunization Cost

cMYP Component	Future Resource Requirements					Total 2020 - 2024
	US\$ 2020	US\$ 2021	US\$ 2022	US\$ 2023	US\$ 2024	
Vaccine supply and logistics (routine only)	\$ 38,282,677	\$ 32,603,314	\$ 34,014,025	\$ 35,556,093	\$ 37,139,845	\$ 177,595,955
Service delivery	\$ 11,556	\$ 35,832	\$ 39,067	\$ 42,463	\$ 43,312	\$ 172,229
Advocacy and Communication	\$ 11,087,158	\$ 8,497,348	\$ 7,351,952	\$ 6,157,341	\$ 4,912,005	\$ 38,005,803
Monitoring and disease surveillance	\$ 7,552,888	\$ 8,075,578	\$ 6,662,470	\$ 6,048,464	\$ 9,345,820	\$ 37,685,221
Program management	\$ 18,250,432	\$ 18,656,961	\$ 17,617,826	\$ 13,086,121	\$ 16,401,601	\$ 84,012,940
Supplemental immunization activities (SIAs)	\$ 10,871,498	\$ 2,456,113	\$ 7,341,852	\$ 2,565,370	\$ 2,579,806	\$ 25,814,639

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Shared Health Systems Costs (EPI Portion)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	\$ 86,056,209	\$ 70,325,145	\$ 73,027,192	\$ 63,455,852	\$ 70,422,389	\$ 363,286,788

4.2.2 Recurrent Immunization (to be validated by EPI team)

Cost category	2020	2021	2022	2023	2024	Total 2020 - 2024
<b>Routine recurrent costs</b>						
<b>Vaccines (routine vaccines only)</b>	<b>\$35,232,597</b>	<b>\$29,349,792</b>	<b>\$30,026,765</b>	<b>\$30,777,390</b>	<b>\$31,546,870</b>	<b>\$156,933,414</b>
Traditional	\$4,426,219	\$3,651,656	\$3,742,927	\$3,836,506	\$3,932,392	\$19,589,700
Underused	\$12,170,789	\$10,040,948	\$10,291,905	\$10,549,219	\$10,812,834	\$53,865,693
New	\$18,635,590	\$15,657,189	\$15,991,933	\$16,391,666	\$16,801,644	\$83,478,021
Injection supplies	\$1,492,680	\$1,231,460	\$1,283,696	\$1,311,377	\$1,344,138	\$6,663,352
<b>Personnel</b>	<b>\$8,160</b>	<b>\$32,368</b>	<b>\$33,015</b>	<b>\$33,676</b>	<b>\$34,349</b>	<b>\$141,568</b>
Salaries of full-time EPI health workers (immunization specific)	\$8,160	\$32,368	\$33,015	\$33,676	\$34,349	\$141,568
<b>Transportation</b>	<b>\$3,396</b>	<b>\$3,464</b>	<b>\$6,052</b>	<b>\$8,787</b>	<b>\$8,963</b>	<b>\$30,661</b>
Outreach strategy	\$3,396	\$3,464	\$6,052	\$8,787	\$8,963	\$30,661
Maintenance and overhead	\$1,339,133	\$1,642,222	\$1,976,267	\$2,333,692	\$2,734,892	\$10,026,207
Cold chain maintenance and overhead	\$1,339,133	\$1,549,742	\$1,759,309	\$1,996,935	\$2,303,074	\$8,948,194
Maintenance of other capital equipment	\$0	\$92,480	\$216,958	\$336,757	\$431,818	\$1,078,013
Short-term training	\$7,439,100	\$7,168,560	\$7,022,180	\$6,780,482	\$7,928,491	\$36,338,813
IEC/Social Mobilization	\$11,087,158	\$8,497,348	\$7,351,952	\$6,157,341	\$4,912,005	\$38,005,803
Disease Surveillance	\$7,552,888	\$8,075,578	\$6,662,470	\$6,048,464	\$9,345,820	\$37,685,221
Program management	\$982,362	\$3,547,452	\$1,017,911	\$542,515	\$1,751,293	\$7,841,533
Other routine recurrent costs	\$9,828,970	\$7,940,949	\$9,577,735	\$5,763,123	\$6,721,817	\$39,832,595
<b>Subtotal</b>	<b>\$74,966,445</b>	<b>\$67,489,193</b>	<b>\$64,958,043</b>	<b>\$59,756,848</b>	<b>\$66,328,637</b>	<b>\$333,499,167</b>

Routine Capital Cost

Routine capital costs	2020	2021	2022	2023	2024	Total 2020 - 2024
Vehicles (100% EPI)	\$72,420	\$0	\$127,345	\$54,122	\$0	\$253,887
Other capital equipment	\$0	\$1,433,440	\$1,933,757	\$1,924,324	\$1,472,108	\$6,763,628

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Subtotal	\$ 72,420	\$ 1,433,440	\$ 2,061,102	\$ 1,978,445	\$ 1,472,108	\$7,017,515
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**Comprehensive Multi-Year Plan for Immunization**

4.2.3 Supplemental Immunization (to be validated with EPI Team)

Supplemental immunization activities (SIAs)	2020	2021	2022	2023	2024	Total 2020 - 2024
<u>MR</u>	1,201,621	1,228,056	6,086,779	1,282,685	1,289,903	11,089,044
Vaccines & injection supplies	\$0	\$0	\$4,831,705	\$0	\$0	\$4,831,705
Operational costs	\$1,201,621	\$1,228,056	\$1,255,074	\$1,282,685	\$1,289,903	\$6,257,338
<u>YF</u>	9,669,877	1,228,056	1,255,074	1,282,685	1,289,903	14,725,595
Vaccines & injection supplies	\$8,468,257	\$0	\$0	\$0	\$0	\$8,468,257
Operational costs	\$1,201,621	\$1,228,056	\$1,255,074	\$1,282,685	\$1,289,903	\$6,257,338
<b>Subtotal</b>	<b>10,871,498</b>	<b>2,456,113</b>	<b>7,341,852</b>	<b>2,565,370</b>	<b>2,579,806</b>	<b>25,814,639</b>

## CHAPTER FIVE: MONITORING AND EVALUATION

### 5.1 Monitoring of the cMYP

This section describes how the cMYP will be monitored. It explains a series of measurements from outputs, outcomes and performance indicators. The measurements are both quantitative and qualitative. It is also financial and non-financial. It begins with outputs, which measures the level of activities. The next stage of measures are intermediate outcomes, which will provide milestones towards final outcomes. The set of performance indicators will measure the performance of the EPI programme. Beyond the performance indicators are the impact indicators. These would be achieved through a combination of activities within and outside the health sector. It is therefore not directly attributable to the EPI programme.

Outputs related to the implementation of activities would be measured monthly together with timeline for implementation of the activity, ensuring that activities are implemented timely. The outcomes will measure the extent to which the objectives have been achieved. Each objective will therefore have a list of specific outcomes. Lastly the EPI programme will be measured by a list of performance indicators which covers all areas of the programmes. Detailed monitoring of activities, objectives and performance are shown in the annex.

### 5.2 Evaluating the EPI Programme

Evaluation of the cMYP would be done mid-term and end-term. The method of evaluating the programme will be a mix of surveys, specific reviews of all or part of the programme, surveys as well as routine administrative data.



6.0 Annexes

Table x: Outcome Measures

Objective #	Objectives	Outcome
8	To improve Sustainable Financing for Universal Health Care (UHC) - (include local commitment to programme sustainability)	Effective Vaccine Management Score (composite score)
8		Full availability of vaccines and supplies
4		Measles containing vaccine (second dose) coverage at the national level (MCV2)
4		Pentavalent 3 coverage at the national level (Penta 3)
1		Percent of annual HSIS grant activities implemented
1		Percent of immunization expenditure financed with domestic resources
1		Percent of national budget allocated for immunization services
7		Percent of suspected VPD cases with lab-tested specimen
4		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
1		Timely fulfilment of co-financing commitment for all Gavi-supported vaccines
5	To contribute to governance (including strengthening regulatory capacity - i.e. NRA, NITAG) and management functions (HR and	Coverage for a YF vaccination campaign

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Objective #	Objectives	Outcome
	supervision) at all levels of the health sector	
8		Full availability of vaccines and supplies
7		Improved AEFI reporting, timeliness and completeness
4		Measles containing vaccine (second dose) coverage at the national level (MCV2)
		Pentavalent 3 coverage at the national level (Penta 3)
		Percent of annual HSIS grant activities implemented
4		Percent of districts with >80% immunization activities implemented
8		Percent of functional cold chain equipment
		Percent of immunization expenditure financed with domestic resources
1		Percent of national budget allocated for immunization services
4		Percentage coverage of 90% at national level and at least 80% of districts having 80% Td2+ for pregnant women
4		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
4		Percentage of districts with at least 90% Penta3 coverage
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate

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Objective #	Objectives	Outcome
		Timely fulfilment of co-financing commitment for all Gavi-supported vaccines
1		Total expenditure for the reporting period used by CSO partners
	To improve governance and management functions at all levels of the health sector	Percent of annual HSIS grant activities implemented
	To improve governance and management functions at all levels of the health sector Total	
	To Improve demand and increase trust in immunization services (communication, advocacy and information dissemination)	Improved AEFI reporting, timeliness and completeness
		Measles containing vaccine (second dose) coverage at the national level (MCV2) and Pentavalent 3 coverage at the national level (Penta 3)
		Pentavalent 3 coverage at the national level (Penta 3)
4		Pentavalent 3 coverage in targeted population
		Percent of annual HSIS grant activities implemented
	No data	<del>Percent of defaulter children traced and vaccinated</del>
		Percent of districts with >80% immunization activities implemented
		Percent of facilities with >80% immunization activities implemented
		Percent of functional cold chain equipment

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Objective #	Objectives	Outcome
3		Percent of health workers providing immunisation services trained in interpersonal skills for communication in immunization services
		Percent of immunization expenditure financed with domestic resources
		Percent of national budget allocated for immunization services
7		Percent of suspected VPD cases with lab-tested specimen
4		Percentage of outreach immunization sessions conducted compared with plan
4		Percentage of fixed immunization sessions conducted compared with plan
8		Percent orders delivered on-time and in-full (OTIF) from national to region
4		Percentage coverage of 90% at national level and at least 80% of districts having 80% Td2+ for pregnant women
		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
		Percentage of districts with at least 90% Penta3 coverage
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
3		Proportion of caregivers interviewed who are aware of immunization services
4	11.To achieve at least 90% coverage for all antigens in all districts by 2024	Difference in Penta3 coverage between children of urban and rural residences
		Effective Vaccine Management Score (composite score)

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Objective #	Objectives	Outcome
		Pentavalent 3 coverage in targeted population
-	-	Percent of defaulter children traced and vaccinated
		Percent of health workers having the minimum required interpersonal skills for immunization services
		Percent of immunization expenditure financed with domestic resources
		Percent of targeted children vaccinated during outreach sessions
		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
		Percentage of districts with at least 90% Penta3 coverage
5	To accelerate efforts towards control, elimination and eradication of vaccine preventable diseases	Coverage for measles-rubella vaccination campaign
5		Coverage for YF vaccination campaign
8		Full availability of vaccines and supplies
7		Improved AEFI reporting, timeliness and completeness
		Pentavalent 3 coverage in targeted population
		Percent of annual HSIS grant activities implemented
		Percent of districts with >80% immunization activities implemented
		Percent of functional cold chain equipment
		Percent of health workers having the minimum required interpersonal skills for immunization services

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Objective #	Objectives	Outcome
		Percent of national budget allocated for immunization services
		Percent of targeted children vaccinated during outreach sessions
		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
		Percentage of districts with at least 90% Penta3 coverage
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
3		Proportion of districts having IEC materials on immunization
9		Proportion of new vaccines introduced for which KAPB studies was conducted
	To ensure 90% of targeted population benefits from new and underused vaccines recommended across the life course	Full availability of vaccines and supplies
		Measles containing vaccine (second dose) coverage at the national level (MCV2)
		Pentavalent 3 coverage at the national level (Penta 3)
		Pentavalent 3 coverage in targeted population
		Percent of annual HSIS grant activities implemented
		Percent of defaulter children traced and vaccinated
		Percent of health workers having the minimum required interpersonal skills for immunization services
		Percent of national budget allocated for immunization services

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Objective #	Objectives	Outcome
		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
		Proportion of districts having IEC materials on immunization
		Timely fulfilment of co-financing commitment for all Gavi-supported vaccines
	To Strengthen VPD and AEFI surveillance and response	Full availability of vaccines and supplies
7		Improved AEFI reporting, timeliness and completeness
		Pentavalent 3 coverage at the national level (Penta 3)
		Percent of annual HSIS grant activities implemented
		Percent of defaulter children traced and vaccinated
		Percent of health workers having the minimum required interpersonal skills for immunization services
		Percent of immunization expenditure financed with domestic resources
		Percent of suspected VPD cases with lab-tested specimen
		Percentage of districts or equivalent administrative area with Penta3 coverage greater than 95%
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate

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Objective #	Objectives	Outcome
8	To ensure 100% availability of safe and efficacious vaccines and devices at all service delivery points	CCE replacement/rehabilitation in existing equipped sites
5		Coverage for a measles-rubella vaccination campaign
		Effective Vaccine Management Score (composite score)
		Full availability of vaccines and supplies
		Improved AEFI reporting, timeliness and completeness
		Percent of annual HSIS grant activities implemented
		Percent of districts with >80% immunization activities implemented
		Percent of functional cold chain equipment
		Percent of immunization expenditure financed with domestic resources
		Percent of national budget allocated for immunization services
		Percent of suspected VPD cases with lab-tested specimen
		Percentage of districts with at least 90% Penta3 coverage
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
8		Temperature Monitoring Device (TMD) availability
	To Accelerate the pathway to impact, including evidence generation (data quality), operational and implementation research and knowledge sharing.	Full availability of vaccines and supplies
		Percent of annual HSIS grant activities implemented



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Objective #	Objectives	Outcome
		Percent of districts with >80% immunization activities implemented
		Percent of health workers having the minimum required interpersonal skills for immunization services
		Percent of suspected VPD cases with lab-tested specimen
		Percent of targeted children vaccinated during outreach sessions
		Percentage point difference between Penta 3 national administrative coverage and survey point estimate
4		Yellow fever vaccine coverage at the national level (YF)

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Table xx: EPI Targets for 2020 - 2024

Antigens	Expected Coverage 2020	Expected Coverage 2021	Expected Coverage 2022	Expected Coverage 2023	Expected Coverage 2024
BCG	95	95	100	100	100
OPV-0	95	95	100	100	100
OPV-1	95	95	95	95	95
OPV-2	95	95	95	95	95
OPV-3	95	95	95	95	95
IPV	95	95	95	95	95
Penta1	95	95	95	95	95
Penta2	95	95	95	95	95
Penta3	95	95	95	95	95
PCV-1	95	95	95	95	95
PCV-2	95	95	95	95	95
PCV-3	95	95	95	95	95
Rota-1	95	95	95	95	95
Rota-2	95	95	95	95	95
MR-1	95	95	95	95	95
MR-2	95	95	95	95	95
YF	95	95	95	95	95
Td2+	80	82	84	86	90
MenA-1	95	95	95	95	95

