

The Costs of the Bangladesh Essential Health Service Package: Fourth Health Population and Nutrition Sector Programme









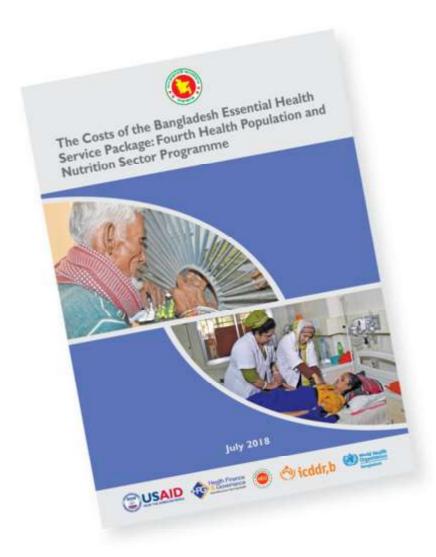








The Costs of the Bangladesh Essential Health Service Package: Fourth Health Population and Nutrition Sector Programme



July 2018











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This report has been prepared under the authority of the Health Economics Unit, Health Services Division of the Ministry of Health and Family Welfare. It was conducted from January to September 2017 by the International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) with support from the World Health Organization. Necessary collaboration was extended to the study team by the Health Finance and Governance project of the United States Agency for International Development (USAID).

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MESSAGE

I am delighted to know that the Ministry of Health and Family Welfare (MOHFW), Government of the People's Republic of Bangladesh has initiated the costing exercise of Bangladesh's Essential Health Service Package (ESP). It is a very important initiative to successfully implement all elements of the ESP for the people of Bangladesh from all walks of life, particularly of rural community at grassroots level.

The Government under the leadership of the Honorable Prime Minister Sheikh Hasina is committed to achieve Universal Health Coverage (UHC) by 2030 and effective implementation of ESP is a core strategy of the government to move towards this direction. The ESP covers all areas of essential services and interventions which are being delivered through public delivery channels from community clinics to district hospitals

The present Government has given emphasis on ensuring good governance and quality health services, where primary healthcare remains a priority. The relentless efforts of the Government to make improvements in the health sector would help achieve the health related sustainable development goals (SDGs) including UHC within the stipulated timeframe. Hence, ESP costing exercise will contribute as an instrument to facilitate efficient planning for the effective delivery of ESP.

I am conveying my gratitude to the Health Economics Unit (HEU) for leading the ESP costing exercise. I am grateful to World Health Organization (WHO) Country Office for Bangladesh for providing technical and financial support to implement the costing exercise by commissioning International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b). I am also thankful for the contribution of the Health Finance and Governance Project of the United States Agency for International Development (USAID) for providing their technical support.

I am very much hopeful that the exercise on ESP costing will help us projecting the financial needs to deliver Primary Health Care (PHC) in an efficient manner.

Joy Bangla, Joy Bangabandhu Long live Bangladesh.

Zahid Maleque, MP

Minister

Ministry of Health & Family Welfare Govt. of the People's Republic of Bangladesh





FOREWORD

I am happy to learn that Health Economics Unit (HEU) of the Ministry of Health and Family Welfare (MOHFW) for the first time has conducted a detailed costing study of Essential Service Package (ESP). It is also admirable that a national resource pool was formed and trained on One Health Tool (OHT) software to assist the study team in designing and validating the costing process and results. Thereby, HEU has not only come up with detailed costing information at each ESP intervention level, but also enhanced local capacity to perform such comprehensive costing exercise at national level using the tool.

I strongly believe that effective ESP implementation is a critical step towards achieving Universal Health Coverage (UHC) by 2030. The current version of ESP includes mostly primary health care interventions, which are being delivered through ten public delivery channels in both rural and urban areas. I have found the report captured the unit cost of around 132 interventions at different public facilities levels. Obviously this costing exercise has opened windows for other researchers to conduct advanced economic evaluation on Primary Health Care delivery systems.

The Fourth Health Population and Nutrition Sector Program has planned to extend the subsidized coverage of ESP to a considerable level to improve the health outcome and reduce the financial burden due to health care expenditure. The detailed costing of ESP will assist the ministry to understand the financial feasibility of full ESP implementation and instigate policy dialogues in revisiting the health financing for primary health care.

I would like to extend my gratitude to World Health Organization (WHO) and Health Finance and Governance project of the USAID for their technical and financial support. I acknowledge the contribution of International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) for conducting the exercise on this ground.

I am extending my sincere thanks and gratitude to all involved in conducting ESP cost analysis and wish its effective implementation to accelerate the progress towards achieving the health related Sustainable Development Goals by 2030.

Md. Ashadul Islam
Secretary
Health Services Division
Ministry of Health and Family Welfare
Govt. of the People's Republic of Bangladesh





MESSAGE

The success of attaining the boarder health goals of a country lies in its robust Primary Health Care (PHC) delivery systems. Realizing the potential, the government of Bangladesh has been centering its focus around PHC since independence. Meanwhile, the adaption of an updated Essential Service Package (ESP) comprised of mostly PHC interventions on the eve of the Fourth Health Population and Nutrition Sector Program (HPNSP) reflects the government's sensible move to be responsive to the country's changed priorities and needs.

I am delighted to know that Health Economics Unit of the Ministry of Health and Family Welfare is going to publish a report on the detailed cost of Essential Service Package (ESP) for the Fourth health sector program. Understandably, it is a resourceful document for policy planners and health managers to attune their financial interposition for ensuring and extending the ESP coverage in line with the country's health policy.

Since the Government of Bangladesh aspires to achieve Universal Health Coverage (UHC) through implementation of the ESP, costing of all its interventions is the first step for gauging its financial capacity in delivering the package in effective and efficient manners. The cost based norm budgeting will guide the public health system for efficient and equitable financing towards PHC. Further, advanced researches based on these costing estimates will certainly give grounds to policy planners in undertaking corrective measures for gaining efficiency within the vertical health programmes and public health system.

I would like to express my warmest appreciation to Health Economics Unit for making this valuable report available. My sincere thanks to icddr,b for conducing the painstaking costing exercise. I would also like to thank WHO Bangladesh and USAID for their support in this worthwhile initiative.

Shaikh Yusuf Harun

Secretary

Medical Education & Family Welfare Division Ministry of Health and Family Welfare Govt. of the People's Republic of Bangladesh





MESSAGE

I congratulate the Health Economics Unit of Ministry of Health and Family Welfare (MOHFW) for conducting a large-scale costing study on the updated essential service package (ESP) from 2016 to 2022. This is a very valuable document which not only provides basic cost information on current and projected cost of health interventions under the ESP delivered through public facilities, but also apprehends segregated level costing estimates on services by disease programs, delivery channels and health service inputs.

Understandably, these costing estimates will be instrumental in financing an efficient delivery of the essential service package. It will further assist the government in investigating the productivity of different vertical programs through examining the value of produced outcome against the cost. The findings will also support policy decisions in shaping the content of the package during its revisions in future.

I came to know from this report that, in 2016, the government ensured 20.4% of ESP coverage on average through its public facilities by spending USD 6.10 per capita. This result implies that there is room for improvement in public arrangements for expanding access to primary health care for the citizens of this country. Growing evidence shows that public investment in primary health care is the key to attaining broader health goals in the most cost-effective way. Henceforward, the headway towards achieving universal health coverage is largely dependant on the country's determination to develop a resilient primary health care system with the capacity of gradually extending ESP coverage, while ensuring quality and equity.

I take the opportunity to thank International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) for conducting this comprehensive costing exercise. I acknowledge with thanks the extended support to this initiative provided from the Health Finance and Governance project of United States Agency for International Development (USAID).

Finally, I would like to extend my sincere thanks and gratitude to all of those who have contributed to the costing exercise, including WHO team members in the country, regional and headquarter offices and congratulate the relevant officials of MOHFW for their valuable contribution. I wish all of them great success in taking further steps in delivering the ESP in an effective and efficient manner.

Dr Bardan Jung RanaWHO Representative to Bangladesh





PREFACE

I am very delighted for the successful accomplishment of the costing study on Essential Service Package (ESP) from 2016 to 2022 under the headship of Health Economics Unit (HEU). Publishing this informative document is really a pleasant undertaking by HEU, which appears to support the government's current efforts to develop evidence based policies for ensuring the access of basic healthcare by all its citizens.

This document is an important source of current and projected cost-estimates of all ESP interventions that the government of Bangladesh is delivering through all its public delivery channels both in rural and urban areas. More specifically, the costing exercise captured the cost of each ESP intervention segregated by all inputs level (e.g. medicine and supplies, human resource, management, infrastructure and logistics etc.) for each type of public facilities. In addition, the study has made an aggregated cost estimates of delivering each ESP component through public delivery channels for the current and targeted coverage set for the Fourth Health Nutrition Population Sector Programme.

I believe that this document will be treated as a powerful policy instrument to provide an estimate of required annual investment for effective ESP implementation. As such the policy planners will use these estimates while advocating for strategic financing particularly for the Primary Health Care (PHC) and setting target of the ESP coverage for next sector program based on government's financial capacity.

Competition of this comprehensive study would have not been possible without the guidance, cooperation and support provided to us by different government and non-government entities and individuals. In this connection, I would like express special thanks and gratitude to International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) for conducting the analysis. My sincere gratitude is also due to World Health Organization (WHO) and the Health Finance and Governance project of the United States Agency for International Development (USAID) for their extensive support. I deeply acknowledge the support of National Resource Pool for their contribution to this study. I also like to offer my special thanks to Planning Wing of MOHFW for their overall guidance in the study from the very beginning.

Dr. Mohd. Shahadt Hossain Mahmud

Director General
Health Economics Unit (HEU)
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ACRONYMS

ANC Antenatal Care

ARI Acute Respiratory Infection

BCC Behaviour Change Communication

BDHS Bangladesh Demographic and Health Survey

BDT Bangladesh Taka

BNHA Bangladesh National Health Accounts
CHCP Community Health Care Provider

CRHCC Comprehensive Reproductive Health Care Centre

CVD Cardiovascular Disease

DGFP Directorate General of Family Planning
DGHS Directorate General of Health Services
EPI Expanded Programme of Immunization

ESP Essential Service Package

FP Family Planning

FWC Family Welfare Centre Family Welfare Visitor

HFG Health Finance and Governance

HR Human Resource
HTN Hypertension
I&R Identify and Refer
IFA Iron and Folic Acid

IMCI Integrated Management of Childhood Illnesses

IUD Intra-Uterine Device LBW Low Birth Weight

MCWC Maternal and Child Welfare Centre
MIS Management Information System

MNCAH Maternal, Newborn, Child, and Adolescent Health

MOHFW Ministry of Health and Family Welfare

NCD Non-Communicable Disease

OHT OneHealth Tool

PMMU Programme Management and Monitoring Unit

PNC Post-Natal Care
RH Reproductive Health

SACMO Sub- Assistant Community Medical Officer

SGBV Sexual and Gender Based Violence
STI Sexually Transmitted Infection

TB Tuberculosis

UHFWC Union Health and Family Welfare Centre

UHC Upazila Health Complex

UPHCC Urban Primary Health Care Centre

USAID United States Agency for International Development

USD United States Dollar USC Union Sub-Centre

UPHCC Urban Primary Health Care Centre

WHO World Health Organization

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The authors appreciate and acknowledge the collaboration of the World Health Organization (WHO) Country Office for Bangladesh in implementing the study. They would like to express their gratefulness especially to Dr. Valeria de Oliveira Cruz, Dr Olivia Nieveras and Dr. Mohammad Touhidul Islam for their practical support and assistance throughout the study period. The authors are grateful for the feedback and comments from Ms. Karin Stenberg (WHO), Mr. Lluis Vinals Torres (WHO) and Dr. Andre Zida (HFG) to finalize this report.

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Finally the authors would like to acknowledge collaboration from the office of the Civil Surgeon, Jhenaidah, Superintendent - District Hospital, Deputy Director - Family Planning (FP), Jhenaidah Dr. Md. Shahabuddin- UHFPO, Kotchandpur Upazila Health Complex (UHC), Dr. Md. Jaminur Rashed, Resident Medical Officer, Harinakunda UHC, Medical Officer - Maternal and Child Welfare Centre (MCWC), Upazila FP Officer - Harinakunda and Kotchandpur, and other staff members of these facilities.

EXECUTIVE SUMMARY

In response to a request from the Ministry of Health and Family Welfare (MOHFW), this provider focused cost analysis of the Bangladesh Essential Health Service Package (ESP) was conducted during January to September 2017 by the International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b) with the funding support from WHO and technical assistance from the USAID-funded Health Finance & Governance (HFG) project. The MOHFW updated the ESP in 2016 for its fourth Health, Nutrition, and Population Sector Programme (HNPSP, 2016-22). The primary objective of this analysis was to estimate the costs of the updated Bangladesh ESP for 2016 to 2022 by interventions and delivery channels in public sector. The results of the study are expected to be used in advocacy for domestic resources required to implement the updated ESP during the target years.

Approach

The One Health Tool (OHT) was used to project resource needs and costs of providing the updated ESP. OHT is used globally to support medium- to long-term (3-10 years) strategic planning in the health sector, and has been used to inform strategic planning processes in over 30 low and middle income countries. It provides a unified framework to strengthen integrated planning by supporting the planning, costing, and budgeting of health sector priorities, including health system strengthening strategies.

The study team adopted a collaborative and consultative approach to engage all partners in the costing process. Key partners included: Health Economics Unit, Programme Management and Monitoring Unit (PMMU), Planning Wing of MOHFW, Directorate General of Health Services (DGHS), Directorate General of Family Planning (DGFP) of the MOHFW, Urban Primary Health Care Service Delivery Programme under the Ministry of Local Government and Rural Development, Institute of Health Economics Dhaka University, and representatives from HFG and WHO.

A seven-member National OHT Resource Pool was formed to develop expertise in cost analysis using the OHT. In addition to the resource pool, an international OHT consultant and an external reviewer from HFG, as well as two external reviewers from WHO, assisted the icddr,b team.

Methodology

The team identified the scope of investments required for ESP implementation, including the costs of services and health system (human resources, infrastructure, and logistics) required to enable this implementation in the public sector health facilities.

The team applied an ingredients-based costing method using OHT. This costing approach was used to cost all ESP services except those for malaria, tuberculosis, HIV/AIDS, and neglected tropical diseases (which were costed using aggregate budget line items obtained from program implementers). The tool was customized for the updated Bangladesh ESP, and members of the OHT resource pool and the study team jointly reviewed the default data in the OHT. The team collected secondary data (e.g., coverage data from the Bangladesh Demographic and Health Survey, etc.), followed by primary data (e.g., required drugs/supplies and provider time for certain interventions for which there were no treatment guidelines) from purposively selected ESP delivery facilities under the MOHFW in Jhenaidah (Kotchandpur and Harinakunda UHCs) and Dhaka North City Corporation (Urban PHC Clinic [UPHCC] and Comprehensive Reproductive Health Care Centre [CRHCC]) under the MOLGRD.

The team collected data through physical inventories and key informant interviews with officials and service providers at the selected public facilities, national and sub-national levels. An exit survey at Jhenaidah District Hospital was also conducted to estimate the proportion of patients receiving the ESP (i.e., the percentage of patients from upazila level and urban areas accessing ESP care at district hospitals). The data input into the OHT to estimate the cost of ESP services was based on current practice, standard treatment protocols, assumptions, and coverage levels in 2016 (see Appendix B). The team also derived assumptions from key informant interviews with qualified physicians/service providers for interventions that were not yet available but planned for the future.

Data inputs used for ESP delivery in 2016 (base year) included those inputs directly associated with ESP service delivery (e.g., medicines, supplies, and health personnel time), in addition to the health system inputs necessary to support these services (e.g., human resources, infrastructure, equipment, logistics etc.). These base year data inputs were also used for 2017-2022 (target years) including any additional health system costs (e.g., construction of new health facilities, purchase of new equipment, vehicle etc.) and program activity costs (e.g., human resource training, supervision, etc.). These were identified, quantified, and valued in local currency (Bangladesh Taka, hereafter referred to as BDT) by delivery channels to estimate the total cost of the ESP in public sector. The quantity and unit price of these inputs were organized into the related OHT modules (health services or health system module). The unit price of material inputs was collected from government and market sources. Staff time, drugs and supplies required per intervention was collected from physicians/supervisors expert opinion. Service coverage data for target years (2017-2022) was derived from the respective Operational Plan and Programme Implementation Plan. Coverage data for the base year (2016) was gathered through document review, using for example, the Health Bulletin, Bangladesh Demographic and Health Survey (BDHS), Bangladesh Health and Morbidity Status survey, Urban Health survey, FP Management Information System (MIS), and other sources (see references). Consultative meetings with government program officials and policy planners were held on monthly basis to validate/cross-check data collected from the field settings.

Using treatment input data (drugs, tests, supplies, & labor cost), the cost per intervention or service per person (unit cost) at public sector delivery channels were estimated for each of the listed ESP interventions. As the cost per service per person varied by delivery channel, a weighted average cost for each intervention was calculated.

In 2016, coverage of ESP services varied from 2.2% (for female sterilization) to 82.5% (for BCG vaccination) by delivery channel, with an estimated weighted average of 20.4% coverage in the public sector. This is consistent with a 2015 Bangladesh national health accounts (BNHA) estimate that approximately 23% of the total healthcare expenditures are borne through the public sector. As ESP services are rolled out from 2017-2022, the estimated weighted average ESP coverage is expected to increase in public facilities to approximately 33% by 2022. The study team calculated an average cost per beneficiary by dividing the total cost of providing ESP in public sector by the population that actually received ESP services during the base year (using the estimated weighted average coverage in 2016) and is expected to receive ESP in the target years (using the estimated weighted average coverage in 2022). For local and international comparisons, the public per capita cost was estimated dividing the total cost of providing the ESP by Bangladesh's total population irrespective of their coverage status.

Key Findings

Based on the 2016 data inputs (i.e., coverage levels, necessary medicines/supplies and labor for interventions, health system costs, etc.), the estimated total cost of the ESP in the public sector in 2016 was BDT 76,195 million. This higher estimated cost of ESP services in 2016 is due to several factors, including the costing approach used, which involved costing ESP interventions as per current practice, as well as using standard protocols and assumptions for those interventions (primarily non-communicable diseases services including hypertension, diabetes, etc.) which were supposed to be available through the ESP but were not found to be fully operational at the time of data collection. The cost of ESP services is expected to increase to BDT 103,194 million in 2022, based on planned increase in service coverage and resources committed for 2017-2022 in Operational Plans, the cost of current and new services, standard protocols and assumptions.

The study team calculated an "average cost per beneficiary (or service user)" in 2016 in public facilities as approximately BDT 2349 (29.8 USD)- which would be reduced to BDT 1805 (22.4 USD) in 2022 due to planned increase in coverage and expected efficiency gain through using fixed assets (Appendix E). This figure does not include inflation, but includes health system costs, it was calculated from the specific ESP interventions that were costed for that particular year at the specified coverage level, and it does not represent the average cost for a single client – who would typically need a mix of these services.

The study team used the OHT to calculate the unit costs of 132 interventions across 10 delivery channels in the public sector. These recurrent costs represent the cost per service per person (including drugs, supplies, and labor cost) for each intervention provided through each delivery channel in public sector. As expected, these costs vary significantly by type of service and delivery channel for difference in service providers and infrastructure. The team therefore; calculated a weighted average cost for each intervention to provide an estimate of the approximate cost of ESP interventions without focusing on the channel at which it is delivered, which is anticipated to be used for overall planning purposes (Appendix C).

The public per capita cost for the ESP was BDT 475 (6.1 USD) in the base year 2016, increasing over the target years to BDT 596 (7.4 USD) in 2022. This per capita cost has been estimated for local and international comparison. In 2001, Tim Ensor et al. showed that the public per capita cost of ESP for 2001 was BDT 115 (inflation adjusted for 2016). Our per capita estimate for 2016 was four times higher than 2001 estimate. However; this increase in per capita cost is attributable to increase in number of services e.g. non-communicable diseases (NCD) under updated ESP and its coverage.

ESP services at district hospitals and upazila health complexes (UHCs) accounted for the highest proportion of total costs in 2016, a trend that continues from 2016 to 2022. This is attributed to several things including that these facilities provide most ESP services, overall accessibility to services at these facilities, the size of the facilities and the required supplies and staffing. MNCAH services were the most costly at UHCs, where the costs of child health and maternal health ranked the highest. Compared to other service delivery channels in public sector, NCD services were the greatest cost contributors at district hospitals, where most NCD services listed under the updated ESP are provided. The cost of ESP services at community clinic level was greater than in urban primary health care clinics in 2016. This is due to the greater number of community clinics and the larger volume of patients receiving ESP services compared to urban primary health care clinics.

RECOMMENDATIONS

- These results provide an estimate of the annual investment required for delivering ESP effectively. Policy planners may consider these estimates and use them to advocate for increased funding for health to match the costs.
- The National OHT Resource Pool should work under an institutional framework of the MOHFW to conduct additional costing exercises, including using standard treatment protocols for all services; these scenarios will be useful for the mid-term review of the 4th HPNSP and for planning of the next sector program. Using these estimates for future development of ESP:
- These estimates should be used by policymakers for further development of a feasible and efficient ESP package and for setting target of the coverage through public delivery channels for next sector programme and also to increase fiscal space for health.
- Future ESP cost estimates should also use standard protocols (normative costs) for all interventions, or WHO guidelines if Bangladesh-specific guidelines are not available, to identify the gap between current practice and protocols, and to provide planners with evidence to advocate for increase funding for the provision of quality ESP services across all relevant delivery channels.
- As the country moves towards UHC by 2030, future analyses should look at the cost of current and projected coverage of ESP by both public and private sector and cost for service delivery by level of care(primary, secondary and tertiary). That exercise will help the government to plan and extend ESP coverage by both sector in a coordinated approach.
- Further studies should be conducted based on these cost estimates to generate evidence for gaining efficiency and promoting equity in the health sector.

1. INTRODUCTION

1.1 Background

The Government of Bangladesh is mandated to "provide primary health services to each and every citizen... residing in any geographical location within the territory of Bangladesh" (National Health Policy, 2011). As part of its Sustainable Development Goal targets, the government is aiming to achieve universal health coverage by 2030. This means providing access to quality essential health services; safe, effective, and affordable essential medicines and vaccines; and protection from financial risk. With a pluralistic health care system, the population of Bangladesh is covered by public, private, and NGO providers. In 2015, the Bangladesh national health accounts (BNHA) estimated that the largest share (67%) of total health care expenditure comes from out-of-pocket payments by the citizens- while the government bears only 23%.

An essential package of health services provided to citizens in an equitable manner is key to achieving health and financial protection goals. The package should include crucial public health and clinical services provided at primary and/or secondary care levels, reflecting a list of guaranteed minimum health services delivered by the government for its population, and including drugs and diagnostics. E

Bangladesh has had an ESP since 1998. F Due to changing trends in disease burden and population needs, the MOHFW updated the ESP in 2016 to be implemented from its fourth, five-year health

sector strategy, Health, Nutrition and Population Sector Programme (HNPSP, 2017-22). The updated ESP fulfills the Government of Bangladesh's commitment to universal access and "aims to attain equity and efficiency, universal access, and improve quality of [health, nutrition, and population] services". The MOHFW recognized the need for a well-defined, cost-effective, and realistic ESP to ensure equitable access to quality services. Therefore, a quick and approximate costing exercise was conducted in 2016 with support from the WHO to estimate the resource needs for the delivery of the entire ESP in the public sector.

Box 1. Bangladesh ESP

- Five core services + management of common conditions
- Three support services (laboratory, radiology, and pharmacy)
- Integrated behaviour change communication (BCC)
- Provided at nine delivery channels

^A WHO (2010). World Health Report: Health Systems Financing: the Path to Universal Coverage.

B WHO.What is Universal Coverage? http://www.who.int/health_financing/universal_coverage_definition/en/ Accessed on 4th April 2017.

 $^{^{\}tt C} \quad https://sustainable development.un.org/sdg3$

Wright, J., Health Finance and Governance Project. July 2015. Essential Package of Health Services Country Snapshot Series. Bethesda, MD: Health Finance and Governance Project, Abt Associates Inc. https://www.hfgproject.org/essential-package-of-health-services-country-snapshot-bangladesh/

WHO. "Essential health packages: What are they for? What do they change?" WHO Service Delivery Seminar Series. DRAFT Technical Brief No. 2, 3 July 2008.

F ibid

^G Planning Wing, MOHFW. April 2016. Health, Nutrition and Population Strategic Investment Plan July 2016–June 2021, "Better Health for a Prosperous Society". Dhaka, Bangladesh.

H Xavier Modol, July 2016. Bangladesh Essential Health Service Package (ESP), Final draft. Dhaka, Bangladesh: World Health Organization.

Several other exercises have been conducted to determine the costs associated with components included in the ESP:

- Costing of the National FP Programme (2016-2020)¹
- Costing of the Emergency Obstetric and Newborn Care Improvement Plan^l
- Costing of the Bangladesh Every Newborn Action Plan^K
- Costing of Smiling Sun Clinic Services^L and Smiling Sun Clinic ESP

1.2 Bangladesh Essential Health Service Package

The Bangladesh ESP (Box 1) defines the health services that the Government of Bangladesh is committed to providing to its citizens. The ESP adopted in 2016 includes five core health services, which are complemented by services to treat and manage several common conditions; each of these core health services includes several components (see Table 1). The ESP identifies the service delivery sites ranging from the community to district hospital level, as well as urban settings. Appendix A contains a detailed list of each service in the Bangladesh ESP by service delivery level.

Table 1: Bangladesh ESP Core Services and their Components

Core Service	Component
Maternal, Neonatal, Child & Adolescent Health (MNCAH)	Maternal and newborn care Child health and immunization Adolescent health
Family Planning	Pre-conception Post-partum Post-abortion Post-menstrual regulation
Nutrition	Child nutrition Maternal nutrition Adolescent nutrition
Communicable diseases	TB Malaria HIV/AIDS Neglected tropical diseases Other communicable diseases
Non Communicable Diseases (NCD)	Hypertension (HTN) Diabetes mellitus NCD screening and management Breast and cervical cancer Other NCDs Mental Health Sexual and Gender-Based Violence (SGBV)
Management of other common conditions	Eye Ear Dental Skin Emergency

Dr. Shakil Ahmed and Dr. Wahidul Islam. December 2015. Costed Implementation Plan for the National Family Planning Programme, Bangladesh 2016-2020. Dhaka, Ministry of Health and Family Welfare (MOHFW), Bangladesh

UNFPA. 2015. The Costed EmONC Improvement Plan. Dhaka, UNFPA and Ministry of Health and Family Welfare (MOHFW), Bangladesh.

K Tazeen Tahsina, Sabbir Haider, Mohammad Mehedi Hasan, Sajia Islam, Shams El Arifeen. August 2016. Cost of Implementation of Bangladesh Every Newborn Action Plan (BENAP). Dhaka, icddr, b, Bangladesh.

Hamid, Syed Abdul, March 2016. Costing and Pricing of CWFD Smiling Sun Clinics. Bethesda, MD: Health Finance and Governance Project, Abt Associates Inc.

Wu Zeng, Yara A, Halasa, Marion Cros and Donald S. Shepard, July 2016. Costing the Essential Services Package (ESP) within the Non-Governmental Organization Network of Smiling Sun in Bangladesh. Waltham, MA: Heller School, Brandeis University, USA.

The updated ESP has been tailored to rural and urban areas, and is expected to evolve further in the future. ESP implementation is a gradual and iterative process, starting with a basic affordable package, with the scope of available services to be expanded in the future. As such, it is important to understand the costs of delivering the ESP services.

Table 2: ESP Delivery Channels in Public Sector by Location

Location	Facility*	Number
MOHFW	Upazila Health Complex (UHC): 50 bed (#297), 31 bed (#116), and 10 bed (#11)	424
	Union Sub-Centre (USC)	1,498
	Union Health and Family Welfare Centre (UHFWC)	3,965
	Community Clinic (CC)	13,336
	Maternal & Child Welfare Centre (MCWC)	58
	District Sadar and General Hospital - for referral from rural areas (DH)	64
**MOHFW+ MOLGRD	District Sadar and General Hospital 100 bed (#41), 150 bed (#3), and 250 bed (#20)	04
	MCWC	62
	Urban Primary Health Care Centre (UPHCC)	120
	Comprehensive Reproductive Health Care Centre (CRHCC)	32

^{*}Source: Health Bulletin 2015, DGHS, and Project Office, Urban Primary Health Care Service Delivery Programme, Nagar Bhaban, Dhaka North City Corporation

In 2016, the MOHFW requested WHO Bangladesh and HFG to jointly support a detailed costing of the ESP using the OHT. In response; this provider-focused cost analysis was conducted by the Health Economics and Financing Research Team of icddr,b with the funding from WHO. The study was carried out from January to September 2017 with technical support from the members of the National OHT Resource Pool, external OHT consultants and reviewers from WHO and HFG.

^{**} MOHFW + Ministry of Local Government and Rural Development (MOLGRD) through the Urban Primary Health Care Service Delivery Programme

2. METHODOLOGY

2.1 Study Objectives

The objectives of the costing study were to:

- Estimate the costs of core services of the Bangladesh Essential Health Services Package(ESP)
 by interventions and delivery channels in public sector using the OneHealth Tool (OHT);
 and
- 2. Develop and strengthen the local capacity of a National OHT Resource Pool through their engagement in the ESP costing process.

2.2 Study Approach

The study team adopted a collaborative approach to engage partner organizations in the ESP costing process. This was initiated through an inception meeting held on 19th January 2017 at icddr,b presided over by the Director General, Health Economics Unit of the MOHFW. The meeting was attended by senior officials from the Health Economics Unit, DGHS, DGFP, Urban Primary Health Care Service Delivery Programme (under the Ministry of Local Government and Rural Development), academics from the Institute of Health Economics at Dhaka University, and representatives from both HFG and WHO. The study team leader presented the methodology and implementation plan. The meeting discussed the study in length, endorsed the work plan, and agreed to extend administrative and technical support to the icddr,b team as and when required.

A seven-member National OHT Resource Pool was formed in consultation with WHO and the Health Economics Unit to help assist the study team and further develop their expertise in costing, using OHT (see Appendix I). All members of the resource pool have had hands-on training on OHT organized by WHO in 2016. They met with the icddr, b team members on weekly basis to facilitate the work. In addition, a series of consultative meetings was held with the senior officials of Health Economics Unit, PMMU/Planning Wing of MOHFW, DGHS, and DGFP to validate the information collected and shared preliminary findings for their feedback. Relevant feedbacks were addressed by the study team.

An external HFG expert (Nadia Carvalho) provided technical support to the study team. WHO and HFG also engaged external reviewers who provided technical feedback on preliminary results and helped finalize the report.

2.3 One Health Tool

The OHT is designed to support medium- to long-term (3 to 10 years) strategic planning in the health sector, and has been used to inform strategic planning processes in over 30 low and middle income countries. It provides a unified framework to support the planning, costing, and budgeting of health sector priorities, including health system strengthening strategies. The OHT facilitates scenario generation and informs priority setting by illustrating the health system implications of scaling up delivery of health interventions, showing the capital investment gap, projecting the achievable health impact and comparing costs with the estimated available financial resources. The tool assesses the costs related to health programme areas, and includes health system modules following the WHO's six building blocks.

How OHT analyzes the cost of health services/interventions. The OHT uses a provider-focused costing perspective – the cost of a health intervention is determined by the number of people receiving the intervention and the quantity of resources required to deliver the intervention per person. Excluded from this costing are opportunity costs and health system inputs (for which costs are estimated in the health systems module). In summary, costs for each health intervention or service in the ESP are calculated by:

of cases x cost per case per year
Where # of cases = target population size x target population in need of intervention (%)
x coverage (%)

The cost per case per year of ESP interventions was determined through ingredients-based costing of medicines and supplies required to deliver the intervention, and a cost per minute of medical personnel required to provide the intervention.

How OHT analyzes the cost of health system components. The OHT's health systems module includes six components covering critical service delivery inputs, as defined by the WHO health system building blocks: infrastructure, logistics, and human resources for health, health information systems, governance, and financing. The cost of each component is driven by the availability of functional inputs (e.g., trained human resources for health, or equipped health facilities), as well as programme management costs (e.g., monitoring, supervision, or advocacy).

2.4 OHT Customization & Costing Methods

The OHT was customized for the Bangladesh ESP. This task was carried out by the icddr,b study team working with members of the national OHT resource pool through a series of weekly meetings. The six core ESP services were categorized into 12 programme areas in the OHT: 1) maternal health, 2) neonatal health, 3) child health and EPI, 4) adolescent health, 5) FP and RH, 6) nutrition, 7) NCDs, 8) management of other common conditions, 9) TB and leprosy, 10) malaria, 11) HIV/AIDS, and 12) neglected tropical diseases (filaria and leishmaniasis) (Box 2). For the sake of reporting cost results, the first four programme areas were further grouped into one of the core ESP programmes, i.e. MNCAH.

Box 2. Customization of OHT		
ESP Core Services	OHT Programme	
Maternal, neonatal, child and	Maternal health	
adolescent health	Neonatal health	
	Child health	
	Adolescent health	
Family planning	Family planning	
Nutrition	Nutrition	
Communicable Diseases	Tuberculosis	
	HIV/AIDS	
	Malaria	
	Neglected Tropical Diseases	
Non-Communicable	Non-Communicable	
Diseases	Diseases	
Management of other common conditions	Management of other common conditions	

During the review of the document on updated ESP and list of interventions, the study team and OHT resource pool identified duplications or overlap between similar interventions that were either merged into a single intervention or kept separate. After careful review and consultation with programme officials, the updated list of ESP intervention was fine-tuned and finalized with 132 interventions.

The resource pool identified ten existing government delivery channels in urban and rural areas. One addition was made to MOHFW's document, as the team considered HFWC and USCs as separate delivery channel (see Table 2).

The study team applied an ingredients-based costing approach using the OHT.At the outset, the tool was customized to the Bangladesh context (i.e., using ESP service delivery facilities in public sector, creating health programme areas to match the ESP core services, and interventions available in public

sector ESP in Bangladesh). Members of the national OHT resource pool and study team reviewed the OHT defaults, and reviewed the updated MOHFW ESP document. Approval for fieldwork was obtained from icddr,b's research administration, and a support letter was obtained from the Director General of the Health Economics Unit of the MOHFW.

The team collected information from purposively selected ESP delivery facilities (see Table 3 below), officials at national and sub-national levels, and by using existing survey data, reports, and documents. At selected facilities, the team undertook a physical inventory, conducted key informant interviews, and reviewed service statistics. At the national level, the team reviewed survey data, reports, and databases, and held consultative meetings with government officials. An exit survey was conducted at the Jhenaidah district hospital with 968 care seekers to understand the proportion of patients receiving ESP, specifically the percentage of patients from the upazila level and urban areas accessing ESP care at the district hospital.

All ESP delivery inputs were identified, quantified, and valued in local currency (BDT) by delivery channels. The quantity and unit price of inputs (collected from government and market sources) were organized into the relevant OHT modules (health service and health system module). Coverage data of ESP interventions in public facilities for the base year (2016) was gathered through a review of data sources, including the Health Bulletin, BDHS, Bangladesh Morbidity survey, Urban Health survey, and the FP MIS (see Appendix B). Coverage data of each intervention by delivery channel for the target years (2017-22) was obtained from the respective operational plans and programme implementation plans of the MOHFW.

The costing included ESP interventions and services currently being implemented, as well as interventions planned for the future (e.g. NCD services like Diabetes, Hypertension etc. using standard treatment protocols and/or quidelines as these are one of the major contributors to cost).

Where no standard treatment protocol was found, the costing was based on assumptions provided during key informant interviews by qualified physicians and other service providers (SACMO, CHCP, FWV) at each of the delivery channels at selected study sites. The assumptions also related to those ESP services that were supposed to be available at study facilities according to the previous Operational Plan (2011-16), but were not found on the ground at the time of this study.

Programmes such as TB, malaria, HIV/AIDS, and other neglected tropical diseases, are largely funded by external donors and implemented by local non-governmental organizations (e.g., BRAC and Damien) through public-private partnerships. Due to time and budgetary constraints, we did not calculate the cost for individual interventions for these programmes but considered their aggregated cost by budget line items (e.g., human resources, drugs/supplies, training, and behaviour change communication [BCC]). Future costs for these programmes were projected using the rate of change found in the 2017-22 operational plan budgets.

For all other ESP programmes (MNCAH, NCDs, Nutrition, and FP), the costs of interventions currently being implemented were calculated using ingredients-based costing, and some additional programme-related costs (e.g. training, supervision, monitoring, advocacy, awareness campaigns, and BCC) were also included where these costs were found.

The OHT generated a cost per service by delivery channel (unit cost) for each of the ESP interventions in public facilities (Appendix C); these include the drugs and supplies as well as labor costs for each intervention. We also calculated a weighted average cost per service for each intervention (see last column of Appendix C) - as the cost per service per person varied by delivery channel.

Average cost per beneficiary was estimated dividing the total cost of providing ESP in public sector by the number of population based on weighted average of coverage that actually received ESP services.

Average cost per beneficiary =
$$\frac{\text{Total estimated cost of providing ESP in public sector}}{\text{Estimated weighted population to receive ESP}}$$

Where:

estimated weighted population to receive ESP is = Weighted average of coverage × Total population

% weighted average of coverage =
$$\frac{\sum Population \ received \ ESP}{\sum Population \ in \ need \ ESP} \times 100$$

The weighted average of service coverage was calculated dividing the number of service coverage by percentage of coverage to get the total population in need (PIN) for the specific intervention in each year. Then the sum of service coverage was divided by sum of PIN for all interventions and multiplied by 100 to get the percentage of weighted average of service coverage.

For local and international comparisons, the public per capita cost was estimated dividing the total cost of providing the ESP by Bangladesh's total population irrespective of their coverage status. The study team also developed a scenario to show the ESP costs at 100% coverage.

2.5 Study Sites

At the national level, the team held technical consultations with programme officers from DGHS, DGFP, MOHFW planning wing, PMMU, and the Urban Primary Health Care Service Delivery Programme office at Dhaka North City Corporation. HRM, DHIS, MIS data bases were accessed to derive detail information on human resource, infrastructure and logistics for the whole public sector.

At the sub-national level, rural and urban facilities matching those described in the ESP document were purposively chosen. The main purposes of selecting these facilities were to collect information on treatment inputs (drugs, tests, supplies, staff time) required for each ESP intervention and understanding current treatment practice and resources being used at the point of care in a public sector primary-secondary care settings. In the rural areas of *Kotchandpur* and *Harinakunda*, the team purposively selected 50-bed UHCs, along with one UHFWC, one USC, one MCWC, and one community clinic (included under UHCs). The selection of two UHCs was based on median bed occupancy rate in 2015 as listed in the Health Bulletin, as well as consultation with the Director General of the Health Economics Unit. The two UHCs were also selected for their readiness to provide data. In order to capture data about upward referral from selected UHCs, the Jhenaidah District Hospital was included in the rural ESP category using a patient exit survey.

Based on accessibility and familiarity, two urban primary health care facilities under Dhaka North City Corporation (one UPHCC and one CRHCC), as well as one MCWC in Jhenaidah Sadar, and Jhenaidah District Hospital, were purposively selected for estimation of cost of urban ESP by government delivery channels.

2.6 Data Collection

The team collected and organized data by ESP interventions and delivery channels in line with the health services and systems modules in the OHT. Checklists and interview guidelines were developed for both the physical inventory and key informant interviews to capture details about ESP interventions and programme costs (needed for health system modules). This was deployed for each ESP intervention under MNCAH, FP, nutrition, communicable diseases, NCDs, other common conditions including support services (laboratory, radiology, and pharmacy), and BCC. Finally, consultative meetings were organized with programme managers and experts to validate the information collected.

The following algorithm was used for costing:

- Population in need of ESP intervention = population (demographic projection) × % of population identified as in need of ESP intervention (based on prevalence, incidence, or preventive properties of an intervention)
- Population receiving an ESP intervention = Population in need of an ESP intervention × % coverage
- ESP intervention cost = Population receiving an ESP intervention × unit of resources needed per case × price per unit
- Cost per service delivery channel = Population receiving an ESP intervention × unit need per case × price per unit × % coverage

Programme specific costs were collected for each intervention based on each activity and entered in to the OHT. This included costs for human resources, logistics, training, supervision, monitoring and evaluation, infrastructure and equipment specific to the programme, communication, advocacy, and general management. Earlier; the input data required for ESP costing was thoroughly reviewed and validated with the MOHFW's Health Economics Unit and UPHC project management. This exercise determined which data were already available and which data needed to be collected.

2.7 Data Sources

Table 3: Information by Source and OHT Module

Information	Source	ОНТ
Human resources	Human Resource Management database: DGHS, DGFP, Urban Primary Health Care Service Delivery Programme	Human resource module
Logistics	DHIS-2, DGFP	Logistics module
Infrastructure	Physical inventory at study facilities	Infrastructure module
Treatment inputs	Standard treatment guidelines Consultative meetings with programme officials/experts and service providers	Health service module
Drugs and supplies (prices, quantities, etc.)	Key informant interviews with service providers and store keepers at study sites, Essential Drug Company Limited, OPs, Expanded Programme of Immunization (EPI) head office, DGHS, ESD price list, IPH, MOHFW's diagnostic test price list, and market prices	Health service module
Average staff time per service provided	Key informant interviews with service providers and supervisors at study sites	Health service module
Coverage data (base year coverage)	Document review: Health Bulletin, BDHS reports, BDHS dataset, morbidity survey, urban health survey, literature search, and FP-MIS.	Health service module
Target year coverage	Operational and programme implementation plans for 2017-22	Related OHT modules
Programme cost data	Consultative meetings with BRAC, LD-TB, malaria, HIV, LD-MNCAH, LD-CDC, OPs	Programme costing section under health services module

At the national level, a series of consultative meetings was held with Line Directors, Programme Managers, and their Deputies at DGHS, DGFP, and the UPHC project to determine priority ESP interventions by delivery channel, including NCDs. These meetings facilitated access to different data sources.

Sources of input data at the national level included: Health Bulletin 2016; the Health Management Information System; Community Clinic project; DGFP MIS database; UPHC project quarterly performance report; treatment protocols; findings of completed studies; Essential Drug Company Limited; logistics

documents; Bangladesh National Health Accounts (BNHA) 1997-2015; Health Economics Unit; Human Resource Management unit; Line Directors for MNACH, CDC, NCD, procurement and supply, finance, and Human Resource Management; and the Health Engineering Department.

In addition to the above, further information and clarifications were derived from health and FP authorities in the study areas, such as the Civil Surgeon's office and office of the DD-FP, Jhenaidah, office of the UHFPO, UFPO of Kotchandpur and Horinakunda upazila.

2.8 Training of Data Collectors

Prior to data collection, all members of the study team participated in a week-long training session organized at icddr,b. This included: an orientation to the updated rural and urban ESP; overview of the proposed costing methodology; review of checklists and guidelines; work plan; setting meetings with programmes; and familiarization with the OHT. The team leader facilitated the sessions along with the representatives from the Health Economics Unit, WHO, HFG, and OHT experts. Seven OHT-trained persons were selected in consultation with the Health Economics Unit and WHO to form the national OHT resource pool for this task.

HFG's International OHT expert provided an outline of data collection checklist, which was modified and adapted for the Bangladesh ESP. After completing the ESP configuration in the OHT (i.e. identifying ESP programme areas, interventions, and delivery channels), the data collection checklists were adopted.

2.9 OHT's Health Services Module

The health services module estimates input costs that vary by the number of interventions/service recipients. Recurrent inputs include drugs and supplies consumed, investigations, and staff time required. Data was collected from selected study facilities through key informant interviews with doctors and other service providers, and extrapolated in the OHT based on treatment coverage of the population in need. The input unit cost was collected from government and market sources. The quantity of drugs and supplies was estimated based on the reported percentage of prescriptions, standard daily dosage, and treatment duration. The average time spent by each cadre of staff involved was collected through key informant interviews with service providers and their supervisors.

Information on target populations, populations in need (i.e., the proportion of target populations that should be receiving an intervention), percentage coverage of intervention, and government delivery channels, were specified for this module. For preventive interventions, 100% of the target population was considered "in need", while for treatment, current disease prevalence was used to estimate the population in need. As already mentioned base year ESP coverage by intervention was collected from different data sources and adjusted for the government ESP delivery channels.

We had to make assumptions for some NCD related primary care services, such as mental health, breast cancer, and cervical cancer. These interventions were supposed to be available but were not found to be actually being implemented during the study. Distribution of ESP interventions by delivery channels was based on availability of interventions and percentage of services provided through specific delivery channels in public facilities.

2.10 OHT's Health Systems Module

The health systems module consists of several sub-modules including: infrastructure, human resources, logistics, information systems, financing and governance. We used infrastructure, human resources, and logistics modules to estimate the total cost and unit cost of ESP interventions by delivery channels.

Infrastructure module: Data was gathered about the costs of building construction, vehicles (purchase, maintenance, and operational costs), equipment, furniture, and communications technologies (purchase and maintenance) in public facilities. Baseline information was gathered about the number of institutions (from the 2016 Health Bulletin), cost of construction per square foot (from the Health Engineering Department), average floor space, and utility costs (from study facility records). Targets for infrastructure development, vehicles, and communication technologies for 2017-22 were derived from the corresponding operational plans.

Human resource module: The study team collected data on staff salaries and benefits, increment patterns, and pre- and in-service training for different types of staff cadres. The baseline numbers by cadre and different levels of care were obtained from the Human Resource Management database of DGHS, DHIS-2 and DGFP sources. The human resource targets for 2017-22 were identified from the operational plans. Usually the OHT calculates cost of medicines-supplies and HR separately. However; we considered labor cost as a major treatment input in service delivery in addition to medicines & supplies- while estimating cost per ESP service. For this; we used an option in the tool named "cost labor and visit by disease". In the health service module of OHT, salary and benefits data were then used to generate a cost per minute for each type of health cadre, to arrive at a labor cost for ESP interventions for which personnel time had been allocated. Remaining staff cost of service providers and other management and support staff (i.e. not captured in the cost per service estimation)-were included in the human resource sub-module under health system module.

Logistics module: The costs incurred for logistics activities included: warehouses (construction, maintenance, and utilities), drugs and supplies with wastage, transport (vehicle purchase, maintenance, operational costs, and third party contracts), and warehouse workers (e.g., managers, store keepers, clerks, drivers, and manual labourers). These were collected from national and sub-national sources.

2.11 Data Entry

After tool development and OHT configuration, trained team members entered data on health services and systems into the specified OHT format. The data was then entered into locked projections and reviewed. The locked data files were loaded into a master projection. The master projection was reviewed by the team, as well as by national and international OHT experts for gaps, errors, duplications, and inconsistencies. Inflation rates for the target years 2016-2022 (based on the World Economic Outlook Database, 2016) were input for necessary adjustment. The BDT to United States Dollar (USD) exchange rate was taken from the Bangladesh Bank's Annual Report (2015-16).

2.12 Assumptions and Estimates

- 1. For costing purposes, we assumed each pregnant woman received four ANC visits.
- 2. We assumed all ESP services were available according to the 2011-16's Operational Plan for the base year 2016.
- 3. We assumed all listed medicines and investigations were available.
- 4. We included the basic salary and allowances (housing, festival, medical, and education) according to the grade of each individual staff member at the time of this study, excluding the CHCP's monthly salary which is fixed.

- 5. In cases where coverage data by delivery channels was not available, nationwide coverage data (see Appendix B) for the base year was adjusted /estimated. For example, according to the 2014 morbidity survey, 28% of all services were delivered by public facilities. From this, we excluded tertiary and specialized care facilities using Health Bulletin service statistics for inand out-patients. Using the BDHS dataset and other sources, we estimated ESP service coverage by delivery channels.
- 6. Cost for ESP interventions were estimated using an ingredients-based costing approach; data inputs were based on a combination of current practice for 2016, standard protocols, and assumptions (see Appendix B). We used standard protocols for those ESP services for which treatment guidelines were available. If guidelines were not available, we interviewed qualified physicians about their current practice to collect information on staff time, and required drugs and supplies. Assumptions were used for those planned ESP services (e.g. mental health, treatment of Hypertension, Diabetes) which were not currently being delivered.
- 7. National level ESP expenditure data (DGHS, DGFP office) was allocated to ESP using BNHA (2015) estimates by delivery channels.
- 8. National level ESP expenditure data was allocated in proportion to the population in urban and rural areas using 2011 census data.
- 9. Weighted average of bed capacity for UHCs (50 and 31 bed) and District Hospitals (100, 150, 250 bed) was considered.
- 10. Programme costs for 2016 (e.g. supervision and training) were included for some ESP health programme areas, including child health/EPI, nutrition, FP/RH, but not those where no programme costs were identified for 2016 (e.g. for maternal health).
- 11. Cost estimations were based on coverage targets for 2017 to 2022 for ESP interventions as detailed in the Operational Plan.

Costing assumptions can be found in Appendices B, C, D and E. Additional details and other costing assumptions are available from the authors.

2.13 Limitations

- 1. This study focused on mainstream ESP delivery channels in the public sector only. Some MOHFW facilities were excluded, such as government outdoor dispensaries (#35), school health clinics (#23), and alternative care providers. Similar programmes run by the non-governmental organizations (e.g. Smiling Sun Franchise, BRAC's health program, Manoshi, or Marie Stopes clinic) were not included due to time and resource constraints.
- 2. MOHFW's maternal voucher scheme was not included in this cost estimation.
- 3. Only filled positions in public facilities were included in the base year calculations, while data on sanctioned but vacant posts were included for future projections (2017-2022).
- 4. ESP service cost was estimated using 2016 current practice, available standard protocols, or assumptions (Appendix B). As such, projected ESP costs for 2022 might not reflect any changes to current practice as new protocols are developed.
- 5. Standard treatment protocols were not available for all ESP interventions. For these interventions (without standard treatment protocols), the study team estimated the cost of the intervention through interviews with service providers capturing their current practice.
- 6. Due to time and budgetary constraints, programme costs for TB, leprosy, malaria, HIV/AIDS, and neglected tropical diseases were considered using their aggregated budget line items (e.g., drugs/supplies, human resources, training, and BCC)- instead of specific treatment inputs. Future programme costs were projected using the rate of change found in Operational Plan budgets. These programme costs therefore cannot be compared directly with other ESP programme areas where the actual interventions were costed. In addition, the application of a historical rate of change for future HIV,TB, malaria and neglected tropical disease programmes may not reflect anticipated policy or implementation changes which would affect future costs.

3. RESULTS

Below we summarize the total costs of the Bangladesh ESP by base year (2016), target years (2017-22), programme area, and delivery channels in public sector. Details of costs per service (for drugs/supplies and labor) by delivery channel are available in Appendix C. Costs were calculated by health service and health system components separately, along with programme costs (training, BCC, supervision, and monitoring and evaluation).

3.1 ESP Total Costs: 2016 - 2022

As shown in Table 4, the total cost of delivering the ESP was BDT 76,195.1 million in 2016 based on the actual coverage data and assumptions for that year. This was the total cost of delivering 132 interventions across 10 delivery channels in public sector. The weighted average coverage of these interventions across delivery channels in 2016 was 20.4%. The total cost (without inflation) increases to BDT 103,194 million in 2022 with a weighted average coverage of 33% of the population in need. These calculations considered the cost of current and new services, assumptions, and targets per year in the operational plans of the fourth Health, Nutrition, and Population Sector Programme (2017-22). Please see Appendix G for ESP total costs with inflation.

Table 4: ESP Total Costs, 2016-2022 in Million BDT), not including inflation

Cost component	2016	2017	2018	2019	2020	2021	2022	Total
Human resources	44,001.2	45,895.9	47,932.1	50,120.6	52,471	54,995.9	57,711.9	353,128.5
Medicine & supplies*	19,956.9	21,693.9	23,355.5	24,726.8	26,544.3	28,373.1	30,264.8	174,915.4
Infrastructure	5,082.9	9,228.7	7,218	7,320.8	7,505.6	7,411.2	7,401.9	51,168.9
Logistics	81.6	118.3	118	120.8	124.1	148.8	143.6	855.3
TB/leprosy, Malaria, HIV/AIDS, Neglected tropical diseases** & general programme management costs***	7,072.5	7,108.6	7,170.5	7,257.4	7,369.4	7,507.2	7,671.9	51,157.4
Grand total (BDT)	76,195.1	84,045.4	85,794.1	89,546.4	94,014.3	98,436.1	103,194	631,225.5
Per capita (BDT)	475.2	517.2	521	536.8	556.5	575.4	596	-
Per capita (USD)	6.1	6.4	6.5	6.7	6.9	7.1	7.4	-

^{*} Without labor cost

Note : exchange rate used in 2016: USD 1 = BDT 78.3; 2017-2022: USD 1 = BDT 80.57

Figure 1 shows that in the base year (2016), human resources accounted for the highest proportion of the total cost (58%), followed by drugs and supplies (26%). For these two health system components, an increasing trend is observed (Table-4) throughout the target years (2017-2022). This increase is attributable to the proposed recruitment of new staff, and the expected increase in service coverage over the target years as detailed in the operational plans.

^{* *} these ESP programme areas were costed through aggregated budget costs (i.e., by budget line items for drugs/supplies, human resources, training, and behavior change communication, etc.)

^{* **} these include the costs of programme-related training, meetings, communication, media, advocacy, and monitoring and evaluation) for the other core ESP services.

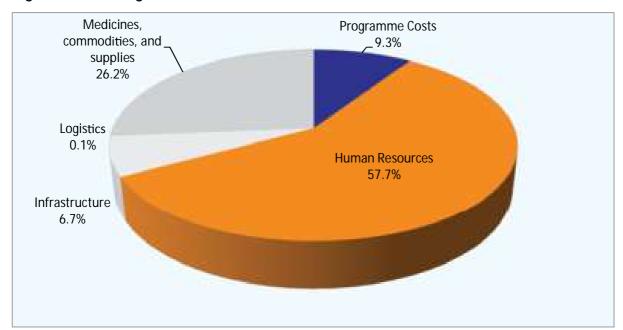


Figure 1: Percentage Distribution of ESP Total Cost, 2016

3.2 Cost per Service (Unit Cost)

The study generated the cost per service for each of the 132 interventions across the 10 delivery channels (see Appendix C). These represent the cost per person of the intervention through each delivery channel, and include the drugs, supplies, and labor costs required for providing the intervention. Appendix D illustrates the drugs and supplies required for interventions at the Upazila Health Complex delivery channel. These costs vary significantly by type of service and type of delivery channel as service providers vary. ANC ranged from 157 taka at the domiciliary level to 1,724 taka at the district hospital level. Newborn care ranged from 14 at the domiciliary level to 126 taka at the district hospital, 137 at the MCWC and 157 at the CRHCC level. Among the child health interventions, ARI and IMCI had the greatest cost per service at the district hospital (1,294 taka and 1,789 taka respectively) and at the Upazila Health Complex (1,211 taka and 1,701 taka respectively).

Therefore; we calculated a weighted average cost per service for each ESP intervention (last column Appendix C). This weighted average cost per service considers the costs of drugs and supplies and labor required for the intervention, but not the health systems costs. They reveal the variation in intervention costs per service. For example, within Maternal Health, the weighted average cost per service of ANC was 1,366 taka, compared to 678 taka for normal delivery, while the cost per service of obstetric emergencies ranged from 157 taka for obstructed labor to 4,454 for c-section.

This calculation of a weighted average cost per service was done to determine an approximate cost of each ESP intervention, regardless of delivery channel, and allows for a quick identification of high-costing interventions. It was only calculated for those ESP interventions for which costs were estimated based on ingredients-based costing (i.e. excluding HIV, TB, NTD and malaria interventions). It is anticipated that this weighted average cost per service will be used for future ESP planning purposes.

3.3 Public Cost per Beneficiary

In 2016, coverage of ESP services varied from low (e.g. 2.2% for female sterilization) to higher population coverage (e.g. 82.5% for BCG vaccination) and by delivery channel, with an estimated weighted average of 20.4% population coverage in the public sector (Figure 2 and for calculation see Appendix E). This is consistent with a 2015 Bangladesh national health accounts (BNHA) estimate that showed approximately 23% of total health expenditures are borne by the public sector.

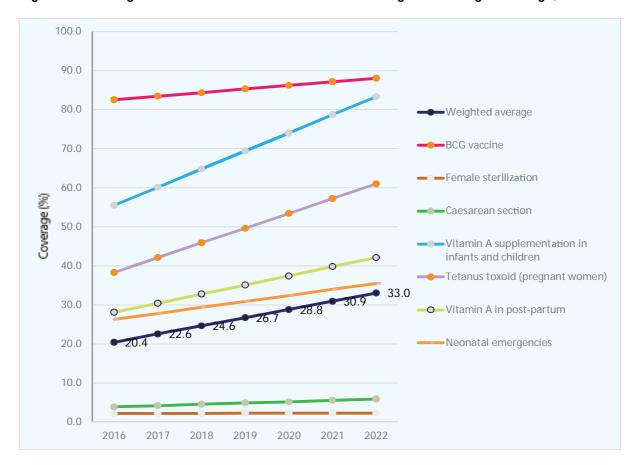


Figure 2: Coverage of Selected ESP interventions and weighted average coverage, 2016-2022

This calculated weighted average coverage is weighted based on the number of services needed for each intervention, but not on the delivery channel at which the intervention is delivered. The weighted average coverage calculation also includes coverage of TB, HIV, NTD and malaria interventions, for which intervention costs were not estimated using ingredients-based costing. This was done to ensure and accurate estimate of the coverage of ESP services by year, including those health areas for which the costs were estimated differently.

The study team calculated an average cost per beneficiary by dividing the total cost of providing ESP in public sector by the population that actually received ESP services (20.4%) during the base year (see Figure 2) and is expected to receive ESP in the target years (using the weighted average coverage in 2017-22). In 2016, the calculated average cost per beneficiary was BDT 2,349 (USD 29.8); this calculated average cost per beneficiary gradually decreases to BDT 1,805 (USD 22.4) in 2022 (Figure-3) due to planned coverage increases and expected efficiency gains through using fixed assets (Appendix E).

This cost per beneficiary was calculated based on recommendations from the MOHFW and HEU, and is expected to be used in determining reimbursement to providers, as well as in discussions around the health protection scheme for the ultra-poor. It is also useful to have when considering the costs of ESP services to be scaled up in future years.

Note that the cost per beneficiary does not include inflation. The cost includes both health service and health system costs. It only applies to those specific ESP interventions costed for that particular year at the specific coverage, and that it doesn't represent a single client, who would typically need a mix of these services.

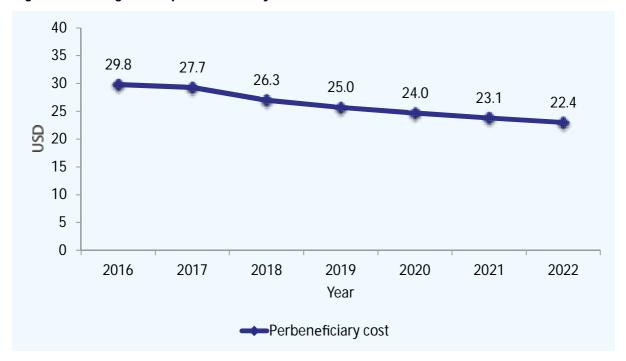


Figure 3: Average costs per beneficiary

3.4 Human Resource Cost

The current ratio of doctors, nurses and paramedics in Bangladesh is much lower (1:1:2) compared to WHO standard (1:3:5). Although Bangladesh has shortage in HR – it accounts for 58% of the total ESP cost (Figure-1).

Staff salaries and allowances accounted for approximately 50% of the total human resource cost in 2016 (see Figure 4a), and would increase progressively to around 55% in 2022 due to the above-mentioned planned staff recruitments (e.g. senior consultants, medical officer, nurse, field worker, SACMO, pharmacist, medical technologist, FWV and management & support staff). The next highest cost driver in human resources is staff training (both in-service and pre-service).

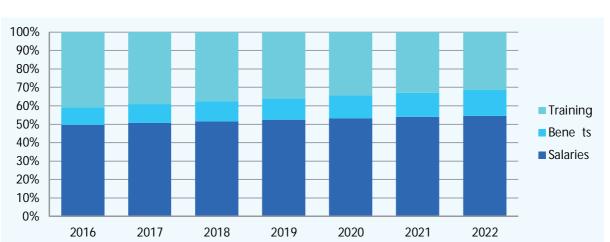


Figure 4a: Percentage Share of Human Resource Cost, 2016-2022

Human resource salaries and benefits were calculated for service providers at the health facility level, and for administrative staff at the district, regional and national levels. In 2016, salaries and benefits for staff at the facility level accounted for approximately 94% of total salary/benefit costs (see Figure 4b); this same distribution continues from 2017-2022. At the health facility level, staffing levels of service providers varied, with the following cadres having the greatest staffing per 10,000 population from 2016-2022: Family Welfare Assistant (1.5 per 10,000 population); Community Health Care Providers and Health Assistants (each at 0.8 per 10,000 population); Sub-Assistant Community Medical Officer (0.4 per 10,000 population) and Family Welfare Visitors (0.3 per 10,000 population).

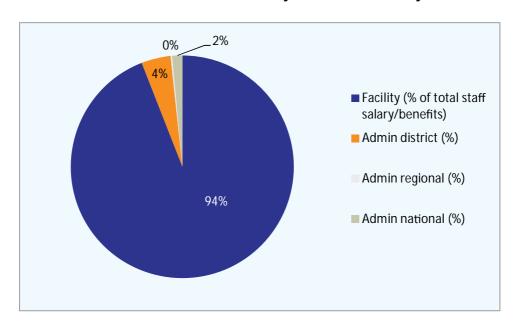


Figure 4b: Distribution of Human Resource Salary and Benfit Costs by level, 2016

While pre-service training for medical professionals (government-run medical colleges, nursing training centres, health technology institutes, medical assistant training schools etc.) in Bangladesh is funded through the MOHFW budget, it is separate from the ESP budget line item. Therefore, we calculated total human resource costs without these pre-services costs (see Figure 4c). In 2016 human resource costs are estimated at BDT 28,663 million, which is expected to increase to BDT 42,374 in 2022.

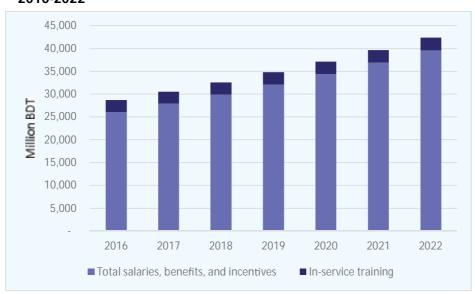


Figure 4c: Total Human Resource Costs not including Pre-Service Training, in million BDT 2016-2022

3.5 Infrastructure Cost

Bangladesh has a large physical infrastructure that is being used as ESP delivery channels (Table-2) - but maintenance/rehabilitation of these facilities needs further improvement. Infrastructure costs went from BDT 5,082.9 in 2016 to BDT 7,401.0 in 2022; these included both operating and capital costs.

Figure 5a shows that operating costs (including facility operating costs, communications technology maintenance, vehicle maintenance and repair, fuel, and driver salaries) are the highest cost driver for infrastructure, followed by capital costs (construction, equipment, furniture, vehicle purchase, and communications technology purchase). There is a sharp rise in capital costs in 2017 compared to 2016, which is attributable to the purchase of vehicles (including ambulances, jeeps, cars, motorbikes, and bicycles) planned for different ESP programmes in 2017 and beyond.

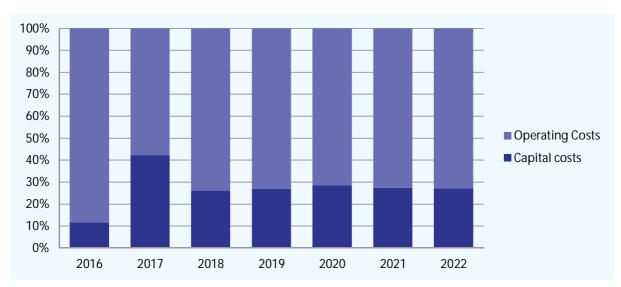


Figure 5a: Percentage Share of Health Infrastructure Cost, 2016-2022

Figures 5b and 5c below show the percentage share of capital and operating costs, including the biggest cost drivers in 2017; this percent distribution is consistent from 2017-2022.

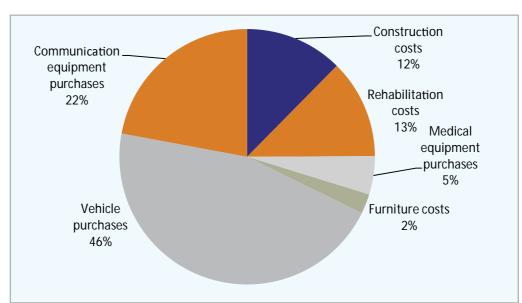


Figure 5b: Percentage Share of Infrastructure Capital Cost, 2017

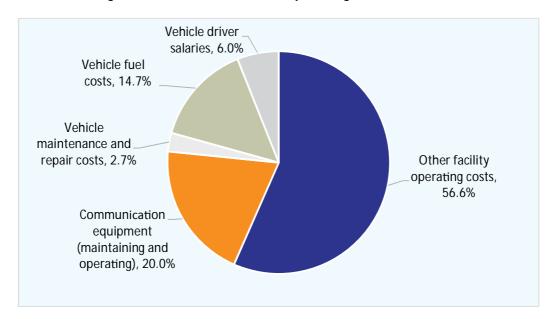
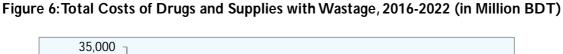
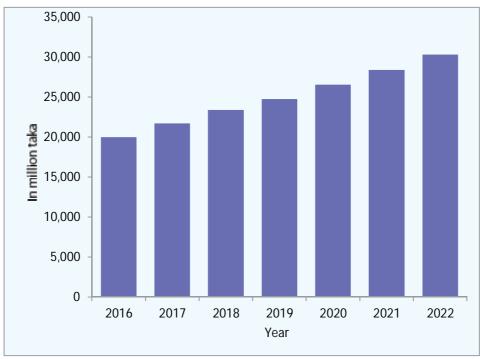


Figure 5c: Percentage Share of Infrastructure Operating Costs 2017

3.6 Logistics Cost

Figure 6 depicts the total cost of drugs and supplies, including wastage and used drugs (consumption), for the base and target years was estimated, and shows a consistently increasing cost. This can be attributed to the planned introduction of new interventions and/or expanded coverage.

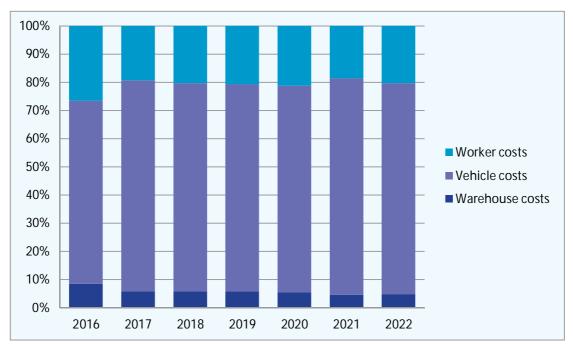




We used the logistics module to estimate the costs of warehouse related vehicles (i.e. purchase, maintenance, and fuel), warehouse operating costs, and warehouse worker costs.

Figure 7 shows the cost of procuring 25 additional vehicles (i.e. trucks, pick-ups), in addition to the maintenance and fuel costs for existing and new vehicles. These costs when combined together constituted the largest cost component (compared to warehouse operating costs and related staff costs).

Figure 7: Percentage Share of ESP Logistics Cost, 2016-202



3.7 Total Cost of ESP Core Services

This section presents the total cost of ESP core services, including the required drugs, commodities, supplies, and labor costs (see Appendix H for ESP core service costs broken down by drugs, commodities, supplies and labor).

With respect to all six core services included in the Bangladesh ESP, MNCAH services accounted for 57% of the total cost during the base year (see Figure 8a). Within MNCAH, spending for child health and EPI was the greatest (see Table 5). The projected cost of MNCAH care remains highest during the target years compared to other services due to the expected increase in coverage.

Table 5: Total Costs by ESP Programme Area including medicines, supplies, commodities and labor cost 2016-2022 (in Million BDT)

ESP Programme Area	2016	2017	2018	2019	2020	2021	2022	Total
Maternal health	3,172.8	3,507.9	3,853.2	4,207.7	4,571.4	4,943.7	5,324	29,580.7
Neonatal health	144.8	159.9	175.7	192.1	209	226.6	244.7	1,352.8
Child health and EPI	14,137.2	14,448.2	14,650.8	14,522	14,796.7	15,035.1	15,313.6	102,903.6
Adolescent health	247.5	278.7	311.5	346	382.4	421	459.2	2,446.4
Subtotal for MNCAH	17,702.3	18,394.7	18,991.2	19,267.8	19,959.6	20,626.4	21,341.6	136,283.6
FP/RH	1,751.7	2,015.6	2,297.4	2,597	2,914.1	3,249	3,602.1	18,427
Nutrition	1,514.9	1,717.1	1,918.7	2,134.8	2,358.2	2,584	2,8262	15,054
NCDs	5,842.8	7,141.1	8,530.8	10,016.1	11,601.6	13,291.5	15,089.2	71,513.1
Management of other common conditions	319.6	349.7	381.2	414.2	448.8	485	522.9	2,921.4
TB and leprosy*	1,933	2,100.1	2,281.7	2,478.9	2,693.3	2,926.1	3,179.1	17,592.2
Malaria*	1,028.9	1,024.7	1,020.5	1,016.3	1,012.1	1,008	1,003.8	7,114.4
HIV/AIDS*	254.1	262.6	271.4	280.5	289.9	299.7	309.7	1,968
Neglected tropical diseases*	592.7	602.2	611.9	621.7	631.7	641.9	652.2	4,354.4
Subtotal	13,237.9	15,213.2	17,313.6	19,559.7	21,949.8	24,485.1	27,185.2	138,944.4
Total	30,940.1	33,607.8	36,304.8	38,827.5	41,909.4	45,111.5	48,526.8	275,228

^{*} Includes aggregated programme cost by budget line items (human resources, drugs/supplies, training, and BCC)

Figure 8a shows that NCDs ranked second highest for spending in the base year, at around 19% of the total cost.

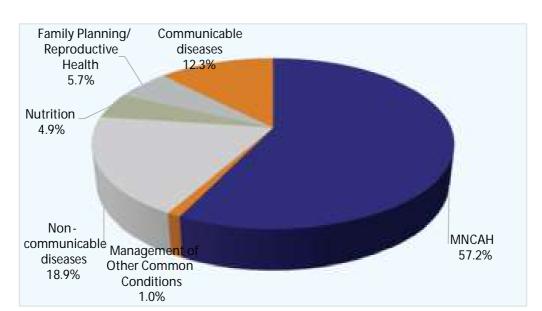
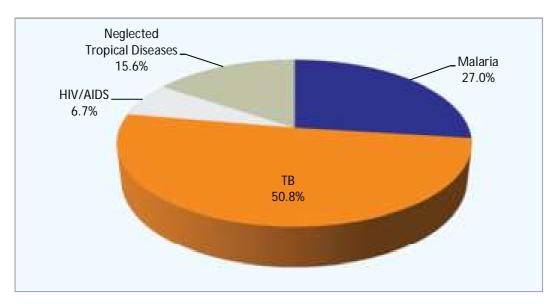


Figure 8a: Percentage Distribution of Health Service Costs by Core ESP Programme Areas, 2016

During 2016, primary care for NCDs was initiated. Due to the planned expansion of NCD coverage over the target years, the cost is expected to increase progressively until 2022 – see Table 8 and Figure 8a.

The cost for communicable diseases (TB/leprosy, malaria, HIV/AIDS and neglected tropical diseases) shown in Figure 8b was calculated based on aggregated programme cost by budget line items, while MNCAH, NCDs, FP, nutrition, and other common conditions, were calculated by costing each intervention (i.e., estimating the drugs/supplies and labour costs for each intervention), and any associated programme management costs





^{*} Aggregated programme cost by budget line items (human resources, drugs/supplies, training, and BCC)

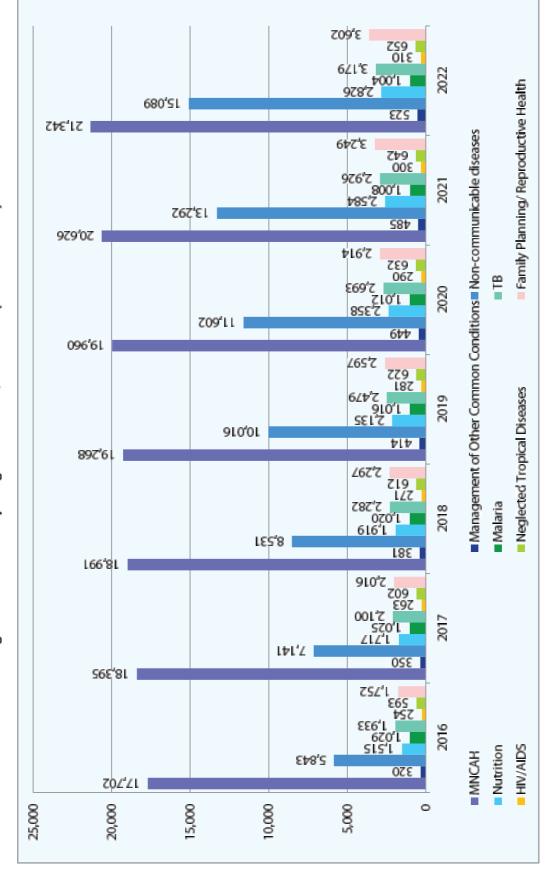


Figure 9: ESP Costs by Programme Area, 2016-2022 (in Million BDT)

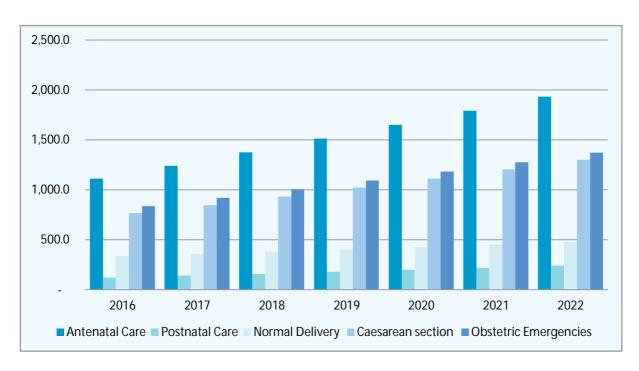
3.8 Maternal Health

As shown in Table 6, the maternal health programme includes multiple interventions- of which

Maternal Health	2016	2017	2018	2019	2020	2021	2022
Antenatal care (ANC)	1,112	1,242	1,375.1	1,510.8	1,649	1,789.6	1,932.1
Postnatal care (PNC)	121.7	140.4	159.6	179.2	199.4	219.9	240.8
Normal delivery	337.7	358.9	381	404.1	428	452.9	478.6
Caesarean section	764.8	847.2	9 32.7	1,020.8	1,111.8	1,205.4	1,301.6
Obstetric emergencies	836.6	919.4	1,004.9	1,092.8	1,183.2	1,276	1,371
Total	3,172.8	3,507.9	3,853.2	4,207.7	4,571.4	4,943.7	5,324

the cost of ANC was the greatest, accounting for approximately 35% of all maternal health costs in 2016, and demonstrating similar increasing cost percentages for 2017-2022. ANC covers services throughout the pregnancy period via four contacts with pregnant women, and can include obstetric emergencies when required. Services include counseling, laboratory investigations, iron and folic acid (IFA) supplementation, zinc supplementation, calcium supplementation, tetanus toxoid injections, ultra-sonogram, and management of pregnancy complications if any. These are made available to women for a longer period of time compared to the period covered by normal delivery or other conventional maternal health services. Within ANC, IFA supplementation and laboratory tests are the two main cost drivers.

Figure 10: Percentage Distribution of Costs for Maternal Health, 2016-2022 (in Million BDT)



Emergency obstetric care consumed the second highest amount of the total maternal health costs in the base year, and continues to increase over the target years in alignment with targets in the operational plan (see Table 9 and Figure 10). Although both the estimated costs of drugs/supplies and labor for maternal health services increased across the target years, the rate of increase for drugs/supplies is higher than labor (see Figure 11).

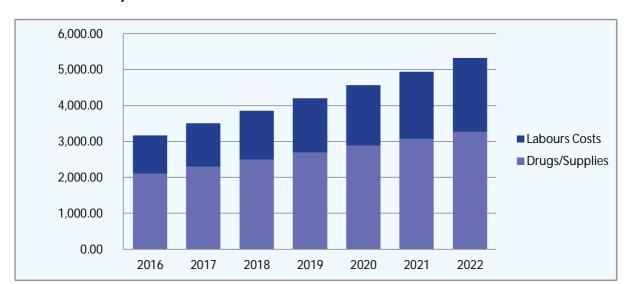


Figure 11: Labour Costs and Drugs/Supplies for Maternal Health, 2016-2022 (in Million BDT)

3.9 Neonatal Health

Table 7: Costs of Neonatal Health, 2016-2022 (in Million BDT)

Neonatal Health	2016	2017	2018	2019	2020	2021	2022
Immediate newborn care	12.9	15.4	18	20.7	23.4	26.3	29.1
Newborn care after delivery	4.3	6.4	8.7	11.1	13.7	16.5	19.5
Neonatal emergencies	127.6	138.1	149	160.3	171.9	183.8	196.1
Total	144.8	159.9	175.7	192.1	209	226.6	244.7

Neonatal emergencies (i.e. management of breathing problems, omphalitis, low birth weight (LBW), and neonatal jaundice) consumed the largest proportion (88%) of the total cost of neonatal care in the base year, and is projected to incur increasing costs across the target years (see Table 10 and Figure 12). Both the estimated costs of drugs and supplies (i.e., paediatric formulation of medicines, investigations, and medical/surgical accessories), and labour costs for neonatal health care increased over the target years, with the rate of increase in labour costs slightly higher in 2020-22 compared to drugs and supplies (see Figure 13). This reveals that services which are labor-intensive will see a relatively larger increase in coverage compared to those which have a large commodity cost component.

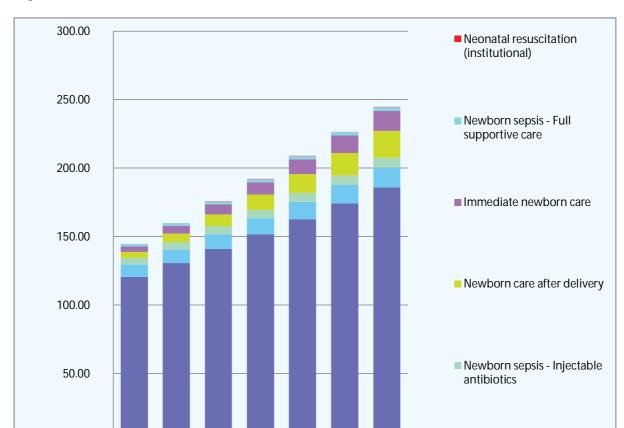
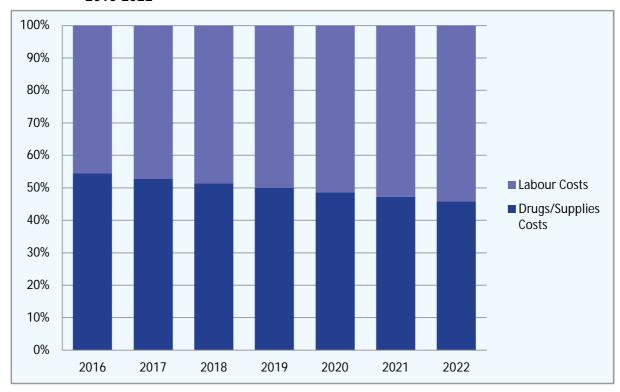


Figure 12: Costs for Neonatal Health, 2016-2022 (in Million BDT)

Figure 13: Percentage Share of Labour Costs and Drugs/Supplies for Neonatal Health, 2016-2022



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3.10 Child Health and EPI

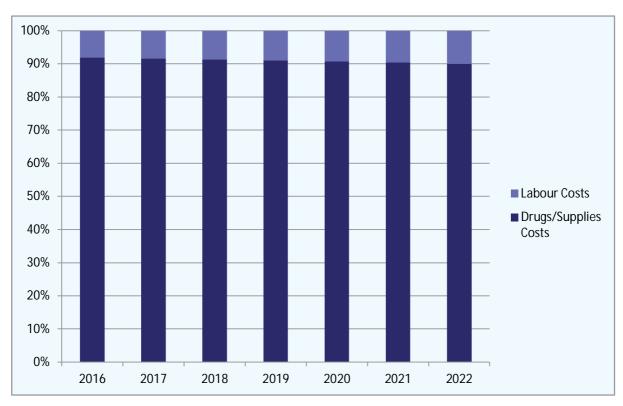
Table 8: Costs for Child Health and EPI by Sub-Component, 2016-2022 (in Million BDT)

Child health and EPI	2016	2017	2018	2019	2020	2021	2022
Integrated management of childhood illnesses (IMCI)	1,513.1	1,609	1,701.1	1,791.5	1,875.7	1,924.8	2,017.1
EPI	10,458	10,801	11,032	10,925.9	11,223	11,512.5	11,793.1
Subtotal (drug/supplies, and labour cost only)	11,971.2	12,410.1	12,733	12,717.4	13,098.7	13,437.4	13,810.2
Programme costs	2,166	2,038.1	1,917.8	1,804.5	1,698	1,597.7	1,503.4
Total	14,137.2	14,448.21	14,650.77	14,521.94	14,796.69	15,035.14	15,313.6

EPI consumed the largest proportion (87%) of the total cost of child health in all years. Although this trend continued in 2017, it is expected to reduce by two percent (to 85%) by 2022. IMCI consumed the remaining 13% of the total cost in 2016, and is expected to remain the same until 2018. The cost of IMCI is estimated to increase by 2% in 2022 (see Table 8). These changes are linked to EPI and IMCI coverage targets.

EPI vaccines and supplies consumed the largest share of the total cost of child health care, and are around five times higher than labor costs (see Figure 14).

Figure 14: Percentage Share of Labour Costs and Drugs/Supplies for Child Health and EPI Interventions, 2016-2022



As shown in Figure 15, pentavalent and pneumococcal vaccines consumed the highest proportion of the total cost of EPI vaccines.

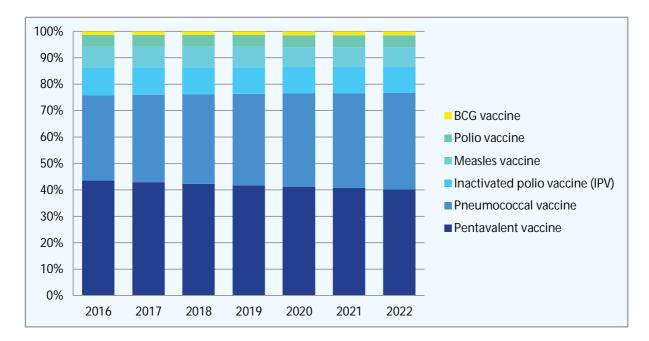


Figure 15: Percentage Share of Total Cost of EPI Vaccines, 2016-2022

Management of acute respiratory infections (ARI) consumed around 57% of the total cost of IMCI, while diarrhoea management consumed 35% of the total cost. ARI is estimated to increase by around 1% by the end of the target years due to an increase in population and coverage (see Figure 16).

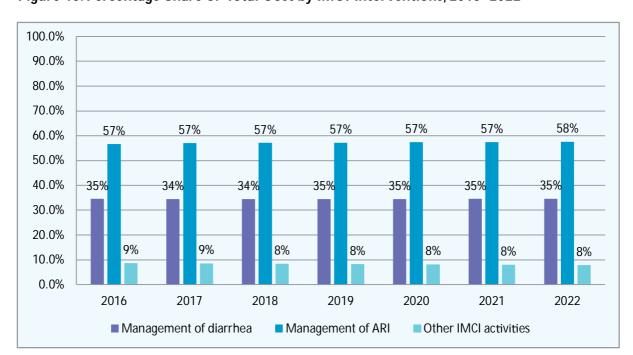


Figure 16: Percentage Share of Total Cost by IMCI Interventions, 2016-2022

3.11 Adolescent Health

Table 9: Costs for Adolescent Health Interventions by Sub-Component, 2016-2022 (in Million BDT)

Adolescent Health	2016	2017	2018	2019	2020	2021	2022
Counselling on puberty, safe sexual behaviour, prevention of early marriage, mental health, HIV/AIDS, substance abuse.	131.3	147.6	164.8	182.8	201.8	221.9	241.8
Screening for sexually transmitted infections (STIs)	1	1.1	1.2	1.4	1.5	1.6	1.7
Syndromic management of STIs	0.6	0.6	0.7	0.7	0.8	0.9	0.9
Etiologic management of STIs	1.3	1.4	1.5	1.6	1.8	1.9	2
FP information and provision	113.3	127.9	143.3	159.5	176.6	194.7	212.8
Total	247.5	278.7	311.5	346	382.4	421	459.2

BCC costs accounted for approximately 53% of the total cost of adolescent health programmes, which is driven by the population in need of this service. The next highest cost component was FP information and commodity supply, which are linked to high rates of married adolescent girls in the communities. Other intervention costs were estimated based on educated guesses and/or assumptions by doctors and other service providers (see Table 9). Screening and syndromic or etiologic management of STIs among adolescents were not perceptible during this study, and therefore the cost of these interventions was lower than expected.

3.12 Family Planning and Reproductive Health

Table 10: Costs of FP and RH by Sub-Component, 2016-2022 (in Million BDT)

FP and RH	2016	2017	2018	2019	2020	2021	2022
Pre-conception care	355.7	513.4	681	858.8	1,047.2	1,246.7	1,457.5
FP	1,386	1,497.9	1,614.6	1,737.4	1,866.5	2,002.1	2,144.6
Subtotal (drugs/supplies, and labour cost only)	1,741.7	2,011.2	2,295.5	2,596.2	2,913.8	3,248.8	3,602.1
Programme costs	10	4.4	1.9	8.0	0.4	0.2	0.1
Total	1751.7	2015.6	2297.4	2597	2914.2	3249	3602.2

Pre-conception care in the ESP mainly deals with immunizing all women of reproductive age with five doses of Tetanus Toxoid, counselling on prevention of STIs and HIV, malnutrition, and best practices during pregnancy. FP services include counselling on birth control/spacing, contraception (pill, condom, injectable, intra-uterine device [IUD], implant, and sterilization), management of FP complications, and menstrual regulation. FP consumed 80% of the total cost of FP and RH care in 2016 (see Table 10). Both the costs of preconception and FP care are expected to increase over the target years due to the corresponding coverage estimate, which is based on historical trend analysis using the BDHS.

Figure 17 shows gradual increase in labour costs over the target years – the costs of drugs, contraceptives, and supplies are not expected to increase as much as labour costs.

4000
3500
3000
2500
2000
1000
500

Drugs, contraceptives and supplies

Figure 17: Labour Costs and Costs of Drugs, Contraceptives/Supplies for FP and RH Interventions, 2016-2022

The percentage cost share for tetanus toxoid immunization is gradually increasing over time in alignment with tetanus toxoid coverage targets for the period 2017-2022. In comparison, the percentage cost share for menstrual regulation (MR) is gradually decreasing over the target years (see Figure 18).

2020

2021

2022

2019

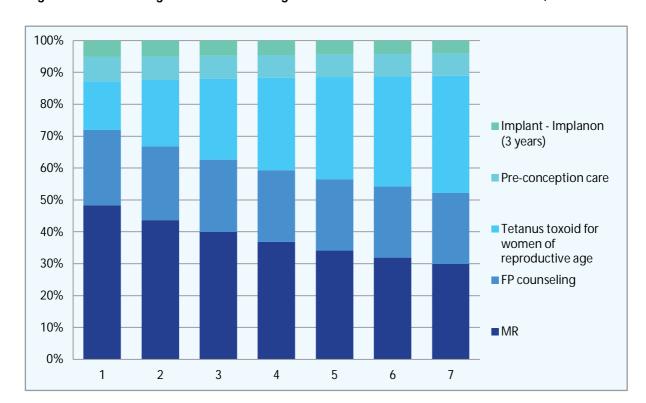


Figure 18: Percentage Share of Five Highest Cost Interventions for FP and RH, 2016-2022

0

2016

2017

2018

3.13 Non-Communicable Diseases

NCD interventions were only partially available at the study facilities, with some investigations and screening services available but not necessarily supported by required medicines and supplies. The team therefore took into account assumptions and/or expert-informed assumptions based on interviews with doctors and consultants – the interviewees shared their experiences of managing common NCD conditions privately, which was very close to the standard treatment. However, those interviewed had little or no exposure to dealing with mental health problems.

Among the listed NCD interventions, management of diabetes mellitus consumed highest proportion (62%) of the total cost of NCDs in all years. It is expected that this will continue to increase over the target years. Costs of sexual and gender based violence (SGBV) management ranked second (see Table 11). These interventions were more commonly available at district hospitals and health complexes than other ESP delivery channels in public sector.

Table 11: Cost for NCDs b	v Sub-Component	.2016-2022	(in Million BDT))

NCDs	2016	2017	2018	2019	2020	2021	2022
Diabetes mellitus	2,936.4	3,792.8	4,702.7	5,668.1	6,690.9	7,773.1	8,916
Breast cancer	167.9	221.4	280.2	344.7	415.2	492	575.6
Cervical cancer	32	42.4	53.9	66.6	80.6	95.9	112.7
Chronic Obstructive Pulmonary Disease (COPD)	113.1	149.7	190.1	234.7	283.8	337.8	396.5
Sexual and Gender Based Violence (SGBV)	864.5	1,051	1,251.3	1,466.1	1,696.1	1,942	2,204.7
NCD screening and management based on total risk assessment	1.5	2.1	2.8	3.5	4.3	5.2	6.2
Arsenicosis	27.7	33.6	39.9	46.6	53.9	61.7	70
Hypertension (HTN)	714.9	869.8	1,037.8	1,220	1,417.4	1,630.7	1,860.7
Subtotal (drugs/supplies, and labour costs only)	4,858	6,162.8	7,558.7	9,050.3	10,642.2	12,338.4	14,142.4
Programme costs	984.8	978.4	972.1	965.8	959.5	953.3	947.2
Total	5,842.8	7,141.2	8,530.8	10,016.1	11,601.7	13,291.7	15,089.6

Table 11 shows the costs of medicine and labour by different duration of medication for patients suffering from diabetes and HTN. This calculation is indicative of the cost burden for these two conditions, both of which require long-term treatment using relatively expensive medicines. The required medicines and dosages were taken from the National Guidelines for Management of Hypertension and Diabetes. We estimated the cost of the medicine using assumptions about the proportion of patients by type, and the duration of medication. For example, we assumed 100% of Type II Diabetes patients would require tab. Metformin, while 50% would require Inj. Insulin. This assumption was then considered for different durations of medication (7 days, 30 days, 1 year, etc.). For Type I Diabetes patients, we assumed 100% would receive both Inj. Insulin and tablet Metformin as suggested in the guidelines. Similar assumptions were also made about the duration of medication for HTN.

Table 12: Drugs, Supplies, and Labour Costs by Duration of Treatment for Diabetes and Hypertension

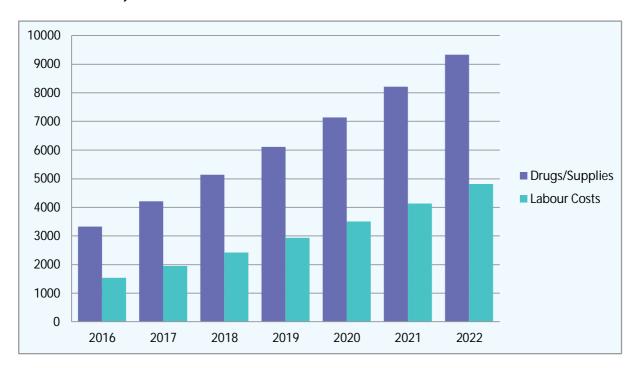
Duration of Medication	Drugs, supplies, and labour cost per person (BDT)							
	Management of Type II Management of Type I Management of HT Diabetes Mellitus Diabetes Mellitus							
7 Days	293.5	534.4	100.8					
30 Days	1,208.2	2,241.8	383.5					
1 Year	14,535.4	27,110.4	4,500.5					
5 Year	72,618.1	1,35,493	22,443.2					

Management of Type II Diabetes Mellitus: Tab Metformin, Insulin Management of Type I Diabetes Mellitus: Tab Metformin, Insulin

Management of HTN: Stage 1 HTN: Tab Amlodipine/ Tab Amdocal/ Tab Nifedipine; Stage 2 HTN: Tab Labetalol HCL

Figure 19 shows that the estimated cost of NCD drugs and supplies, including investigations, was much higher than the labour costs during the base year. Similar trends are expected to continue across the target years due to the expected gradual increase of coverage, higher drug prices, and longer duration of treatment.

Figure 19: Cost of Drugs/Supplies and Labour for NCD Interventions, 2016-2022 (in Million BDT)



Management of Type I Diabetes consumed the largest share of the total cost of the top five most expensive NCD interventions (see Figure 20).



Figure 20: Percentage Share of Five Highest Cost NCD Interventions, 2016-2022

3.14 Management of Other Common Conditions

Among other common conditions, emergency care consumed around 30% of the total cost in the base year, followed by dengue (24%), and emerging communicable diseases (18%). All these costs are expected to increase gradually over time in the target years due to an increase in population size and additional investment for care (see Table 16).

Table 13: Cost for Management of Other Common Conditions by Sub-Component, 2016-2022

Other Common Conditions	2016	2017	2018	2019	2020	2021	2022
Eye care	31.2	35.3	39.5	44.1	49	54.1	59.7
Ear care	2.4	2.7	3.1	3.4	3.8	4.2	4.6
Dental care	19.2	20.2	21.2	22.3	23.4	24.6	25.8
Treatment of common skin diseases	18.7	19.1	19.5	19.8	20.3	20.7	21.1
Emergency care	93.7	99.6	105.7	112	118.6	125.4	132.4
Other communicable diseases (hepatitis, typhoid, diarrhea, and dysentery)	56.5	60.2	64.1	68.1	72.3	76.7	81.2
Dengue	75.9	87.6	100	113.1	126.9	141.4	156.7
Rabies	22	25	28.1	31.3	34.6	37.9	41.4
Total	319.6	349.7	381.2	414.2	448.8	485	522.9

Figure 21 represents the cost of the five most expensive interventions under other common conditions. Among these, first aid and inpatient care for Dengue consumed more than 50% of the total cost.

350.00 300.00 Lab monitoring of suspected 250.00 case Hepatitis diagnosis & management 200.00 RTA_stabilization & referral 150.00 Inpatient management 100.00 First aid in minor injuries 50.00 0.00 2016 2018 2022 2017 2019 2020 2021

Figure 21: Cost of Five Most Expensive Interventions of Other Common Conditions, 2016-2022

The proportion of costs for drugs and supplies in this programme exceeded 70% in the base year, but is expected to reduce over time during the target years (see Figure 22).

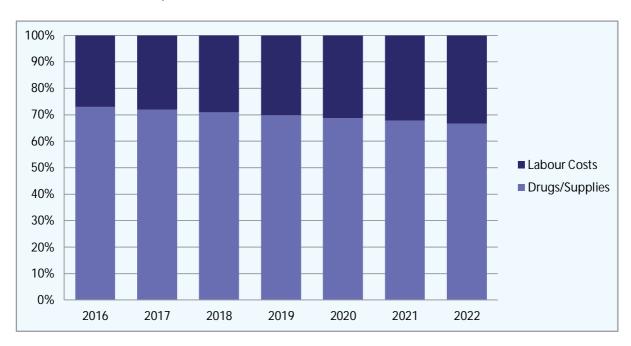


Figure 22: Percentage Share of Labour Cost and Drugs, Supplies of Other Common Conditions, 2016-2022

3.15 Nutrition

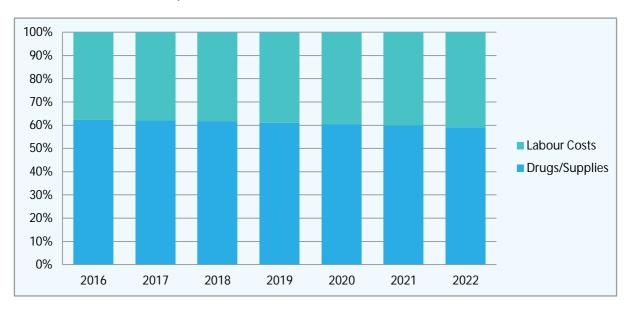
Adolescent nutrition interventions were not found on the ground during this study, except iron supplementation for some pregnant adolescents. Assumptions and/or expert-informed assumptions were therefore made based on interviews with doctors and other experts about standard practices for listed adolescent nutrition interventions. Maternal nutrition interventions consumed the highest proportion (59%) of the total cost of the nutrition programme in the base year, and are estimated to double by 2022. Child nutrition interventions consumed only 18% of the total cost in the base year, and their rate of increase over the target years is lower than maternal nutrition (see Table 14).

Table 14: Nutrition Interventions by Sub-Components, 2016-2022 (in Million BDT)

Nutrition	2016	2017	2018	2019	2020	2021	2022
Child nutrition	307.3	351.9	388.7	432.6	476	513.8	560.9
Adolescent nutrition	121.5	132.1	143.2	154.7	166.7	179.4	191.7
Maternal nutrition	724.3	803.4	885.4	970.2	1,057.9	1,148.4	1,241.7
IFA supplementation among women 10-49 years	258.8	331.6	408.2	488.6	573.2	662.2	755.6
Subtotal (drugs/supplies, and labour staff costs only)	1,411.9	1,619.1	1,825.4	2,046.1	2,273.8	2,503.7	2,749.8
Programme costs	103	98	93.2	88.7	84.4	80.3	76.4
Total	1,514.9	1,717.1	1,918.6	2,134.8	2,358.2	2,584	2,826.2

Costs of drugs and supplies used in nutrition interventions in the base year were higher (61%) than labour costs, and estimated to remain almost the same over the target years (see Figure 23). This is mostly linked to the management of severe anaemia with blood transfusion, iron syrup, IFA, management of severe acute malnutrition with a wide range of drugs, routine de-worming, and vitamin A supplementation.

Figure 23: Percentage Share of Labour Cost and Drugs, Supplies for Nutrition Interventions, 2016-2022



Management of maternal anaemia consumed the largest share of the total cost for the top four most expensive nutrition interventions. This is linked to the high prevalence of anaemia among mothers (50%).

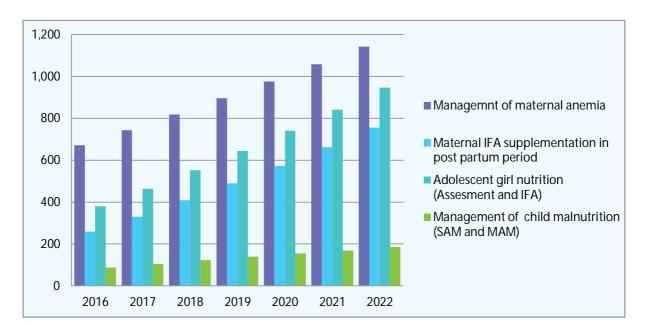


Figure 24: Percentage Share of Top Four Highest Cost Nutrition Interventions, 2016-2022

3.16 ESP Cost by Public Sector Delivery Channels

Table 18 and Figure 25, 26 show that district hospitals and UHCs consumed the highest proportion of the total ESP cost in the base year, and this trend is expected to continue over the target years. This could be attributed to several factors including the larger size of these facilities, greater availability of a range of ESP services, and greater availability of drugs/supplies and medical personnel.

Table 15: ESP Cost by Delivery Channel (Drugs/Supplies and Labour Costs), 2016-2022 (in Million BDT)

Delivery channels	2016	2017	2018	2019	2020	2021	2022
Community clinic	2,426	2,561	2,692	2,793	2,955	3,126	3,307
USC	1,096	1,130	1,160	1,167	1,207	1,248	1,293
Family Welfare Center (FWC)	1,181	1,216	1,247	1,257	1,299	1,342	1,389
UHC	9,454	10,175	10,900	11,575	12,402	13,251	14,166
MCWC	2,540	2,611	2,671	2,683	2,764	2,847	2,935
District hospital	11,059	12,440	13,867	15,305	16,905	18,578	20,356
CRHCC	1,167	1,323	1,485	1,658	1,833	2,013	2,205
PHCC	2,017	2,152	2,283	2,390	2,545	2,706	2,876
Total	30,940	33,608	36,305	38,828	41,909	45,112	48,527

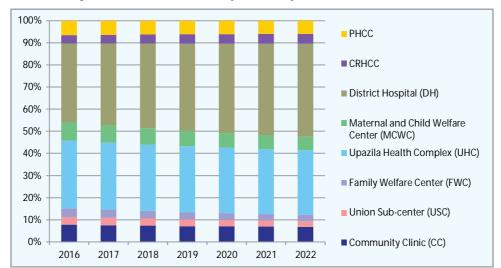


Figure 25: Percentage Share of ESP Cost by Delivery Channels, 2016-2022

Figure 26a: Percentage Share of ESP Cost by Delivery Channels, 2016

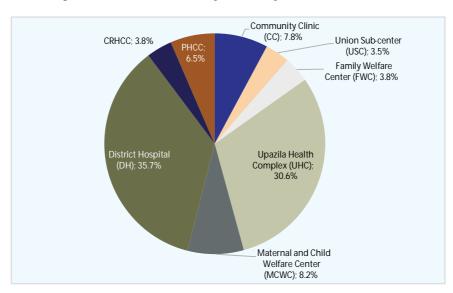
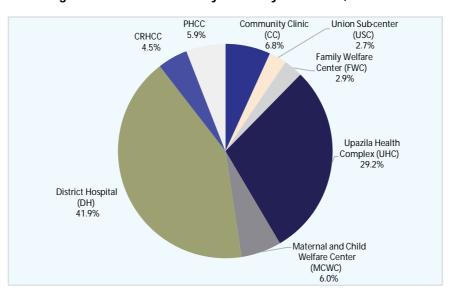


Figure 26b: Percentage Share of ESP Cost by Delivery Channels, 2022



3.17 ESP Cost by Programme Area and Delivery Channels

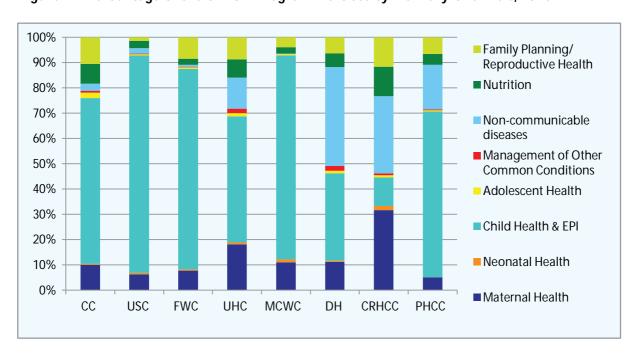
Table 16 and Figure 27 show that child health and EPI accounted for the highest proportion of the total ESP costs at all the public sector delivery channels except at district hospitals and CRHCCs. This is due to fewer EPI activities in CRHCCs and district hospitals. MNCAH services consumed the most costs at UHCs, where child health and maternal health were the two highest cost centres. NCDs consumed the highest costs at district hospitals, indicating that district hospitals can provide relatively better NCD services than elsewhere. Community clinics spent more in the base year compared to urban PHC clinics, possibly due to higher number of patients receiving ESP from community clinics.

Table 16: ESP Drugs, Supplies and Labour Cost by Programme Area and Delivery Channels, 2016 (in Million BDT)

Dungungungung aung			D	elivery chann	els (2016)			
Programme area	СС	USC	FWC	UHC	MCWC	DH	CRHCC	PHCC
Maternal health	188.2	52.4	70.8	1,327	217.5	951.9	285.7	79.5
Neonatal health	5.1	5.1	4.8	52.8	19.8	42.1	14.9	0.05
Child health and EPI	1,229	727.4	721.3	3,638.7	1,579.9	2,953.7	101.2	1,019.9
Adolescent health	40.8	3.7	6.1	89.2	10.9	81.9	7.4	7.5
Management of other common conditions	13.2	2.2	2.1	129.3	-	159.3	7.2	6.4
NCDs	53.5	18.1	7.1	890.3	4.6	3,336.8	275	272.7
Nutrition	144.9	24.3	21.4	532.6	49.3	468.5	104.4	66.4
FP/RH	196.5	12.2	77.6	632.9	77.3	537	104.9	103.3
Total*	1,871.3	845.4	911.1	7,292.8	1,959.5	8,531.2	900.5	1,555.8

^{*} Excluding TB, malaria, neglected tropical diseases, and HIV/AIDS programmes

Figure 27: Percentage Share of ESP Programme Cost by Delivery Channels, 2016



3.18 Public Cost Per Capita for ESP

The OHT calculates cost per capita incurred upon the government for providing ESP by dividing the total cost calculated for ESP provision by the total population in a given year in Bangladesh. Figure 28 shows the per capita cost of the ESP – or the cost of current ESP coverage per inhabitant; this is useful for local and international comparisons.

The per capita cost of the ESP in 2016 was USD 6.1(without inflation); this calculation is based on the estimated Bangladeshi population in 2016 (160.34 million), and the total cost of providing the ESP to that population based on 2016 data, assumptions, coverage levels and population in need The Bangladeshi population is projected to increase gradually to approximately 173.15 million by 2022 (according to the OHT default projection). The per capita cost would therefore increase to USD 7.4 in 2022. Please see Annex G for per capita cost with inflation.

This ESP per capita cost is not meant to indicate the cost of providing the ESP with 132 interventions at 100% coverage to all citizens in Bangladesh; it is merely a measure of the cost of current coverage with the ESP package divided by the entire population of Bangladesh. The per capita ESP cost increases approximately 3% each year. The upward rise from 2016-2017 is due to increasing coverage and planned purchase of vehicles and equipment in 2017, as documented in operational plans. Beyond that, the per capita cost increases from 2016 to 2022 in alignment with the increase in population and service coverage.

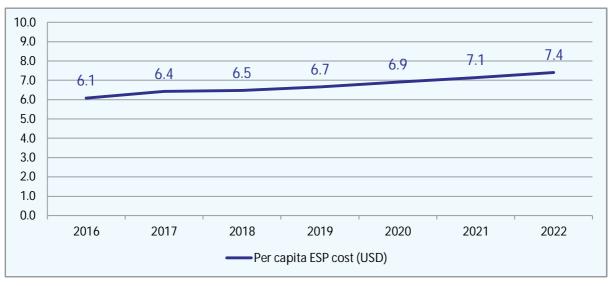


Figure 28: Per Capita Cost of ESP, 2016-2022 (USD)

Note: USD exchange rate at 2016 is 1 USD= 78.3 BDT, from 2017-22 1 USD= 80.57 BDT

3.19 Comparison of Public Cost Per Capita for ESP

One of the previous ESP costing studies of HEU conducted by Ferdousi S.A. revealed that the costs of providing ESP services at upazila and below in is approximately BDT 43 per capita in 2001. Tim Ensor et al state that "This estimate is likely to under-estimate the "true" cost of ESP service delivery (...) first, ESP does not yet cover the entire rural population, second the service provided are not yet an adequate level of quality, and third many of the costs of ESP are, according to surveys, borne by consumers". Tim Ensor et al. showed that these costs are expected to increase to BDT 171 per capita in 2006. Our estimate of per capita cost for 2016 is Tk. 475 - which is four times higher compared to 2001 estimate (see Figure 29). This increase in per capita cost is attributable to several things, including that the costing study conducted by Tim Ensor et al. only estimated the costs of family planning, maternal health, child health, and a limited number of curative care and communicable disease services, while this study costs a significantly greater number of ESP services available through the updated ESP in 2016, at greater coverage assumptions.

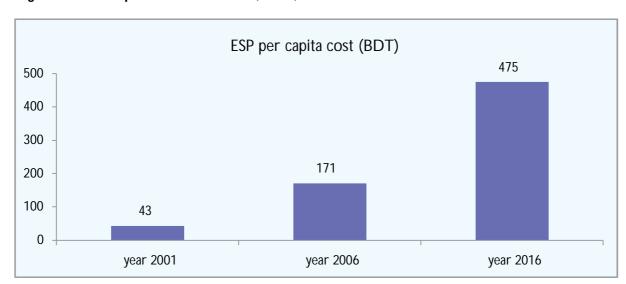
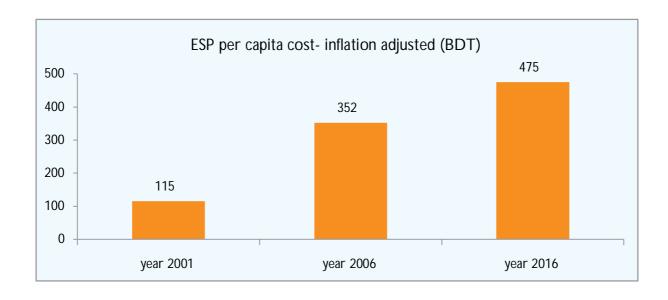


Figure 29: Per capita ESP costs: 2001, 2006, & 2016

Note: Year. 200: estimate by Ferdousi S.A. Year. 2006: estimate by Tim Ensor Year. 2016: estimate by icddr,b



4. DISCUSSION, CONCLUSIONS, AND RECOMMENDATIONS

4.1 Public ESP Cost and Macroeconomic Indicators

Table 20 compares the per cost allocation of ESP with macro-economic indicators. According to the our study using 2016 data, the total estimated ESP cost for the base year was BDT 76,195 million (see Appendices B, C, and D). We also calculated government expenditure for health by adjusting BNHA estimates for ESP delivery channels for the same year, which was BDT 106,968 million. These figures suggest that if government would have ideally provided all services within allocated budget (see 2.12. Assumptions and Estimates), around 71% of total government health expenditure would be required for ESP delivery in 2016 and ESP cost as share of GDP would be 0.5%.

By extrapolating intervention costs from 2016, combined with coverage estimates, the cost of delivering ESP services in 2022 is expected to be BDT 103,194 million (Appendix B). This calculation shows that cost of approximately BDT 555,030 million (an average of BDT 92,505 million per year) will be required from 2017 to 2022 to achieve weighted average target coverage of for the respective years (Table 17) among the population in need of these services through public sector. These figures suggest that on average 75% of total government health expenditure is required for ESP implementation with estimated weighted coverage (Table 20) in the 4th sector programme (2017-2022) through public delivery channels. This includes the health system targets outlined in the operational plans (e.g., human resources to deliver additional services, and infrastructure required).

Table 17: Per Capita ESP Cos	st and Comparison	with Macro-Economic Indicators
------------------------------	-------------------	--------------------------------

Macro-economic indicators	2016	2017	2018	2019	2020	2021	2022
Weighted average ESP coverage (%) by public delivery channels	20.4	22.6	24.6	26.7	28.8	30.9	33.0
Total ESP cost in million BDT (2016 input data and coverage levels in Appendices B and C)	76,195.1	84,045.4	85,794.1	89,546.4	94,014.3	98,436.1	103,194
Government expenditure in health in million BDT*	106,967.9	111,635.8	116,303.7	120,971.6	125,639.5	130,307.4	134,975.3
ESP cost as % of government expenditure of health	71.23	75.29	73.77	74.02	74.83	75.54	76.45
ESP cost as % of GDP**	0.5	0.5	0.4	0.4	0.4	0.4	0.4

^{*} Authors calculation using BNHA 1997-2015

4.2 ESP Total Cost and MOHFW Budget 2015-2016

The total ESP cost incurred by MOHFW in 2016 was BDT 73,011 million. This excludes the total ESP cost incurred by the Ministry of Local Government and Rural Development urban primary health care programme (BDT3,184 million). The MOHFW budget for 2015-16 was BDT 127,256 million, and the percentage share of ESP was 57% of this total health budget (see Table 21).

^{**} GDP estimates from IMF staff report 2017

Table 18: Comparison with MOHFW budget, 2015-16

	Total ESP cost 2016	Total ESP cost excluding CRHCC and PHCC of urban primary health programme	MOHFW budget (2015-16)
ESP total cost (in million BDT)	76,195	73,011	127,256
ESP total cost as % of MOHFW budget	-	57	127,230

4.3 Conclusions

- The estimated total cost of ESP in the base year 2016 was BDT 76,195 million for the public sector for coverage of approximately 20.4% of the population in need (see Appendix B for intervention coverage). The total cost will increase to BDT 103,194 million in 2022 covering approximately 33% of the population in need. This calculation takes into account the cost of current and new services, as well as assumptions, and is based on targets in the operational plans for the fourth Health, Nutrition, and Population Sector Programme (2017-22).
- Unit costs were calculated for each of the ESP interventions across 10 delivery channels (see Appendix- C). These represent the costs per service per person for each intervention through each delivery channel. These costs vary significantly by type of service and type of delivery channel for different service providers. Therefore; a weighted average of cost per service (drugs, supplies & labor cost only) was calculated separately (see last column of Appendix C).
- Dividing the ESP total costs (2016 -2022) by the population covered/to be covered (20.4% to 33%) during these years by the public facilities, the average cost per beneficiary in 2016 stood at around BDT 2349 (30 USD) which would gradually reduce to BDT 1805 (22.4 USD) in 2022 due to planned increase in coverage and efficiency gain using fixed assets (infrastructure, equipment, logistics etc). We determined the percentage of the population covered in 2016 and 2022 by calculating a weighted average coverage of all ESP interventions for each year.
- The public cost per capita for ESP stood at USD 6.1 (BDT 475) in 2016, and will increase over the target years to USD 7.4 (BDT 596) in 2022. The rate of increase in per capita cost per year is approximately 3%.
- District hospitals and UHCs accounted for the highest proportion of the total ESP cost in the base year, and this trend is expected to continue over the target years. This is attributable to the larger size of the facilities, the supplies and human resources, and the greater volume of service coverage.
- MNCAH services accounted for the highest cost at UHC, where child and maternal health ranked the highest two costs centres.
- NCDs accounted for the highest cost at district hospitals compared to other service delivery channels, indicating that these hospitals deliver more NCD services listed under the ESP than other delivery channels.
- ESP service costs at community clinics (n=13,336) were greater in the base year compared to urban primary health clinics (n=120), possibly due to the greater number of community clinics and the larger volume of patients receiving ESP interventions from community clinics.

4.4 Recommendations

Using these estimates for planning and advocacy:

- These results provide an estimate of the annual investment required for delivering ESP effectively. Policy planners may consider these estimates and use them to advocate for increased funding for health to match the costs.
- The National OHT Resource Pool should work under an institutional framework of the MOHFW to conduct additional costing exercises, including using standard treatment protocols for all services; these scenarios will be useful for the mid-term review of the 4th HPNSP and for planning of the next sector program. A detailed ingredients-based costing of TB, malaria, HIV/AIDS and Neglected tropical diseases (NTDs) interventions should be undertaken.

Using these estimates for future development of ESP:

- These estimates should be used by policymakers for further development of a feasible and efficient ESP package and for setting target of the coverage through public delivery channels for next sector programme and also to increase fiscal space for health. However, it would be the first step for implementing the package. Other governance, supply-side system readiness and operational issues should be addressed for realizing the meaningful implementation of the ESP.
- Future ESP cost estimates should also use standard protocols (normative costs) for all interventions, or WHO guidelines if Bangladesh-specific guidelines are not available, to identify the gap between current practice and protocols, and to provide planners with evidence to advocate for increase funding for the provision of quality ESP services across all relevant delivery channels.

Using these estimates to generate evidence on efficiency, equity and effectiveness in primary health care delivery systems

- As the country moves towards UHC by 2030, future analyses should look at the cost of current and projected coverage of ESP by both public and private sector and cost for service delivery by level of care(primary, secondary and tertiary). That exercise will help the government to plan and extend ESP coverage by both sector in a coordinated approach.
- Further studies should be conducted based on these cost estimates to generate evidence for gaining efficiency and promoting equity in the health sector.

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APPENDIX A: Bangladesh ESP by Service Delivery Channels^N

Notes: Y: yes, S: selected facilities, I&R: identify and refer, Scr: screening, P: prevent, BCC: behavior change communication, Blank cell = intervention not currently available

Component and		Community		Union	u.	Upazila	District	Orban	an
sub-component	Dom.	SCIO R	00	UHEWC	OHO	H	MCW C	GRHCC	PHCC
MATERNAL, NEONATAL, CHILD, AND ADOLESCENT HEALTH CARE	CHILD, AND A	DOLESCENT	HEALTH CAR	E					
MATERNAL AND NEWBORN CARE	IN CARE								
MATERNAL HEALTH CARE									
PRE-CONCEPTION CARE									
Promote health, FP, nutrition, child survival and safe motherhood	≻	÷	>	۲	≻	>	≻	>	>
Screening for malnutrition	٨	٨	\	٨	\	7	\	\	>
IFA supplementation	٨	\	\	٨	\	٨	٨	٨	>
Tetanus toxoid		X	\	\	>	٨	\	\	>
FP counselling	٨	٨	\	٨	\	٨	٨	٨	\
Prevent/identify HIV/AIDS, STIs, and congenital anomalies	BCC	BCC	٨	¥	X	Υ	٨	¥	\

MOHFW. 2016. Bangladesh Essential Health Service Package, MOHFW, Dhaka

Component and		Community		Union	E	Upazila	District	Orban	an
sup-component	Dom.	SC/OR	8	UHFWC/ USC	OHC	Н	MCW C	CRHCC	PHCC
				ANC					
Identification/diagnosis of pregnancy		>	\	>	Y/Jab	Y/lab	+	\	>
Registration of pregnancy	X	\	٨	7	٨	٨	٨	¥	٨
Information and counselling on nutrition, pregnancy complications, post-partum FP	>	>	>	>	\	>	>	>	>
Clinical history		\	٨	X	Y	٨	X	¥	\
Obstetric and foetal assessment-Maternal weight-Blood pressure measurement —Oedema- Fundal height-Foetal heartbeat		Depends on privacy	>	>	>	>	≻	>	>
Urinalysis				Y	Y	,	٨	Y	¥
Hb estimation		\	¥	٨	٨	٨	٨	¥	×
Blood grouping and Rh typing					٨	\	≻	>	>
Testing for HIV, syphilis					Y	,	٨	Y	¥
Blood sugar			¥	٨	Y	¥	¥	Y	\
Ultrasonogram (refer cases for suspicion of low foetal growth)					S	٨	¥	٨	\
Identify and manage pregnancy complications:- Anaemia –Malaria-Urinary tract infection-HTN – Diabetes –STIs-HIV/AIDS (counselling and testing)			Moderate anaemia, malaria & UTI	Anaemia, malaria, urinary tract infection, STIs, others I&R	,	>	>	>	

Component and		Community		Union	uo	Upazila	District	Orban	æ
sup-component	Dom.	SC/O R	8	UHFWC/ USC	OHO	НО	MCW C	CRHCC	ЬНСС
Identify and manage obstetric emergencies (isolation or as part of basic/emergency obstetric care)-Pre/eclampsia-Antepartum haemorrhage-Abdominal pain-Premature rupture of membranes	R _R		<u>ଝ</u>	Pre/eclampsi a: stabilize and refer I&R	>	>	>	>	
External version after 36 week				S	¥	>	٨	\	
Worm disinfestations		_	7	\	٨	>	_	7	_
Supply of IFA and other micronutrients		\	¥	\	Y	\	٨	\	≻
Tetanus toxoid		+	٨	\	٨	+	¥	\	+
Birth preparedness plan:- Identification of SBA/referral hospital -Setting aside money- Identification of transport means-Identification of blood donor-Clean kit for home delivery	>	≻	≻	≻	>	>	,	>	≻
			NO.	NORMAL DELIVERY	_				
Personal and obstetric history	CSBA		s	\	٨	>	٨	\	
Examination-Foetal position-Foetal heartbeat	CSBA		v	\	Y	>	٨	\	
Monitor labour progression: partograph			v	\	٨	>	٨	\	
Labour induction				¥	¥	¥	¥	Y	
Conduct normal delivery	CSBA		S	⋆	Y	ᢣ	٨	¥	
Controlled cord traction			S	٨	Y	¥	¥	¥	
Oral misoprostol shortly after delivery	\		Y				٨	Y	

Component and		Community		Union	E	Upazila	District	Orban	Se Se
ans-combonent	Dom	SC/OR	8	UHFWC/ USC	OHO	Н	MCW C	CRHCC	PHCC
Episiotomy				Y	Y	Y	¥	Y	
Identify and manage obstetric emergencies (isolation or basic or emergency obstetric care)-obstructed labour-prefedampsia — haemorrhage-pre-term	<u>%</u>		산 <u>행</u>	<u>⊗</u>	>	>	>	<u>8</u>	8 8
administration of antenatal corticosteroids									
Management of prolapsed cord	8 R		<u>∝</u>	8 R	X	¥	>	8R	
Management of shoulder dystocia	8.R		<u>%</u>	R.R.	Y	Y	\	<u>8</u> 8	
Bi-manual compression to stop uterus atony	CSBA		v	S	٨	Y	\	¥	
Manual removal of placenta	8		≪ ≪	88	¥	¥	¥	<u>%</u>	
Removal of retained products	R R		<u>8</u>	Ö	\	\	>	I&R	
Repair vaginal and cervical tears, episiotomy	I&R		I& R	S (vaginal)	Vaginal/ cervical	Vaginal/ cervical	Vaginal/ cervical	I&R	
Intravenous fluids, antibiotics, anticonvulsants, oxytocin				W	\	\	>	8R	
Blood transfusion					¥	_	_		
Caesarean section and other obstetric operations					Y	Υ	¥		
Prevention of mother-to- child transmission (PMTCT) if HIV+ selected sites						Y	>	v	

Component and		Community		Union	E .	Upazila	District	Orban	E
sup-component	Dom.	SCIO R	8	UHFWC/ USC	OHO	Н	MCW C	CRHCC	PHG0
				SNG ON					
Counselling on PNC, including breastfeeding.	+	\	>	>	\	\	>	>	>
Post-natal clinical history (pain, fever, haemorrhage)	\	\	>	>	٨	٨	>	>	>
Identification and management of post-natal complications:-Anaemia- Puerperal psychosis	<u>«</u>	<u>~</u>	<u>%</u>	>	>	>	>	>	>
Identification and management of obstetric complications:- Haemorrhage-Puerperal infection/sepsis	& ⊗	<u>%</u>	<u>≪</u>	88 R	>	>	> -	<u>≪</u> <u>~</u>	I&R
Supply of IFA	\	7	⋆	7	٨	٨	\	X	\
Counselling and provision of FP methods	\	\	>	>	¥	٨	>	>	>
PMTCT if HIV+ selected sites						Υ	\	v	
Early management of obstetric fistula	P, I&R	6. 영	ନ୍ଥାନ୍ୟ	P, I&R	P, I&R	Y (off ESP)	Y (off ESP)		
Management of genital prolapse	I&R	I&R	I& R	I&R	I&R	Y (off ESP)	Y (off ESP)		
Early management of obstetric fistula	9. R	ଟ. ୧୯	ଝୁ	P, I&R	P, I&R	Y (off ESP)	Y (off ESP)		

Component and		Community		Union	u	Upazila	District	Orban	am
sup-combonent	Dom.	SC/O R	8	UHFWC/ USC	OHO	На	MCW C	CRHCC	PHCC
			NEON	NEONATAL CARE					
IMMEDIATE NEWBORN CARE	CARE								
Promotion of essential newborn care practice and newborn danger signs for early care seeking	>	>	>	+	+	+	>	>	>
Clean cord cutting and tying	CSBA		s	¥	¥	¥	+	¥	
Single application of chlorhexidine 7.1% to the cord	CSBA		v	>	>	+	>	>	
Prevention and management of hypothermia -Drying & wrapping -Skin-to-skin contact -Delayed bathing (after 72 hours)	CSBA		v	,	≻	≻	≻	>	
Identification and management of breathing problems (digital stimulation, bag and mask resuscitation)	<u>%</u>		W	>	≻	≻	>	>	
Breastfeeding within one hour after delivery	Y		v	¥	X	\	\	¥	
Prevention of newborn conjunctivitis			v	\	X	\	>	\	
Special care of pre-term or LBW neonate, including Kangaroo Mother Care	I&R		<u>%</u>	I&R	¥	¥	\	<u>왕</u>	

Component and		Community		Union	u	Upazila	District	Urban	s
sub-component	Dom.	SC/OR	8	UHFWC/ USC	OHO	H	MCW C	CRHCC	ЬНСС
		Ž	WBORN C	NEWBORN CARE AFTER DELIVERY	ELIVERY				
Counselling about breastfeeding, nutrition, immunization.	+	\	>	>	>	,	>	>	
Birth registration	\	٨	>	\	+	¥	>	>	
Breastfeeding	_	٨	-	\	\	¥	>	>	
Weighing, temperature management, and cord care	Υ	Y	¥	Y	¥	٨	Y	¥	
Identification and management of sepsis	<u>8</u>		<u>8</u> R	\	¥	٨	¥	<u> </u>	
Identification and management of omphalitis	<u>8</u>		<u>8</u>	\	\	Y	٨	<u> </u>	
Identification and management of LBW babies (refer < 1,800)	I&R		s	Y	٨	٨	¥	88	
Identification and management of neonatal jaundice	I&R		IS R	I&R	\	\	+	88	
Identification and management of breastfeeding problems	<u>%</u>		<u>≪</u>	88 R	>	>	≻	<u>중</u>	
Newborn immunizations		Y	Y	Y	Y	Y	٨	Y	
Preventive anti-retroviral treatment if HIV+ mother selected sites						\	\	v	
Screening for congenital problems			I& R	I&R	Υ	\	¥		
٠		OBSTE	RICAND	OBSTETRIC AND NEONATAL EMERGENCIES	MERGENO	S.			
Basic obstetric andneoratal emergencies (all 7 services):-Parenteral antibiotics-Parenteral anticonvulsants-Parenteral uterotonics-Manual removal of placenta-Removal or retained products (manual				v	>	>	>		

Component and		Community		Union	e e	Upazila	District	Orban	ue an
sub-component	Dom.	SC/O R	8	UHFWC/ USC	OHO	Н	MCW C	CRHCC	PHCC
Vacuum aspiration -Assisted vaginal delivery -Resuscitation of the newborn									
Complete obstetric andneonatal emergencies (all 9 services) -Basic emergence obstetric and newborn care + -Surgical capacity (caesarean section and others)					v	>	>		
			CHILDH	CHILD HEALTH AND EP	EPI				
				Σ					
Counselling to parents on danger signs, nutrition of the sick child.	>	>	>	>	+	>	>	>	>
Identification of danger signs and referral: -Inability to drink or breastfeed -Vomits everything -Has/had convulsions	>	>	>	>			>	>	>
-Lethargic or unconscious									
Management ARI -Cough/cold -Fast breathing (pneumonia) -Severe pneumonia			۵ <u>آ</u>	Moderate	Severe	Severe	٨	>	>
Management of diarrhoea: -No dehydration -Mild dehydration -Severe dehydration -Persistent diarrhoea			PIIΨ	Moderate	Severe	Severe	,	\	+

Component and		Community	*	Union	6	Upazila	District	Orban	ung
sub-component	Dom.	SC/O R	8	UHFWC USC	ЭН	Н	MCW C	CRHCC	БНСС
-Dysentery -Laboratory diagnosis									
Management of ear problems:									
Acute ear infection				>	\	\	>	\	\
-Chronic ear infection -Mastoiditis				1					
White pupil reflex (leukocoria)					&R	Y (off ESP)			
Management of araemia and malnutrition (in nutrition)				Covered und	er nutrition pr	Covered under nutrition programme area			
dentification and management of									
autism spectrum disorder (in mental health)			Covered	nder mental he	alth subgroup	Covered under mental health subgroup under NCD program area	ogram area		
,				БР					
Counselling parents on immunization and adverse effects	Y	¥	¥	Y	¥	Y	¥	Y	¥
Registering eligible children	_	X	\	¥	\		\	_	_
Follow-up of defaulters	_	¥	X	¥	X		\	\	_
Permanent (daily) vaccination site					Y	Y	Y	٨	
Outreach vaccination site		Y	¥	¥				Y	_
National immunization days and other campaigns	≻	ᢣ	\	¥	+	ᢣ	\	ᢣ	+
Surveillance of vaccine-				\	+	Y	>	\	>
Follow-up to identify adverse					>	>	>	>	>
effects						-			
Counselling mothers regarding FP	¥	Y	¥	¥	¥	٨	¥	¥	_
			ADOLES	ADOLESCENT HEALTH	Ŧ				
Counselling on puberty, safe sexual behaviour, prevention of	;	;	;	;	;	:	;	;	;
early marriage, mental health,	_	-	-	-	-	-	-	-	-
HIV/AIDS, substance abuse.									
Screening for STIs				٨	.	٠.	.	_	_
Syndromic management of STIs				¥	≻ ∶	≻ ∶	X	.	>
Etiologic management of STIs					-	¥	-	_	_

Component and		Community		Union	uo	Upazila	District	Orban	un
sub-component	Dom.	SC/OR	8	UHEWC! USC	OHO	H	MCW C	CRHCC	ЬНСС
Screening for HIV selected sites						٨	¥	¥	٨
Distribution of condoms	Y	¥	٨	¥	¥	۲	¥	¥	٨
FP information and provision	Y	X	\	\	¥	>	٠	¥	¥
Adolescent nutrition (assessment, IFA)	٨	\	⊭	>	7	7	>	X	>
97		-							
Counselling on birth spacing, methods, and adverse effects	X	>	>	>	\	\	>	\	>
Advocacy and awareness development on post-partum FP and post menstrual regulation/PAC -FP	+	>	۶	>	+	\	>	>	>
Screening according to medical eligibility criteria for contraceptive use	\	>	>	+	\	>	>	>	>
Pre-conception FP	¥	¥	≻	¥	¥	ᢣ	¥	٨	٨
Condoms	¥	¥	_	¥	¥	X	٨	¥	¥
Oral contraceptives	Y	Y	Y	Y	Υ	Y	Y	Y	Y
DMPA injection starting				¥	Y	\	¥	¥	¥
DMPA injection continuation	¥	¥	٨	¥	¥	\	٨	¥	¥
Intrauterine devices				¥	¥	,	¥	Y	¥
IUD post-partum				¥	¥	\	¥	¥	¥
Implant					Y	Y	Y	Y	Y
Male and female sterilization					Y	\	¥	Y	
Menstrual regulation				¥	¥	\	¥	¥	¥
Post-abortion FP				¥	¥	\	¥	¥	\
Post-partum FP				¥	¥	\	¥	¥	\
Post-menstrual regulation FP				¥	¥	\	¥	¥	,
Management of contraceptive complications					Υ	7	\	٨	\
								¥	\

Component and		Community	_	Union	Б	Upazila	District	Orban	æ
sub-component	Dom.	SCIO R	8	UHEWG	OHO	H	MCW C	CRHCC	PHCC
			불	NUTRITION CHILD NUTRITION	_				
Counselling parents about breastfeeding and best feeding practices	+	\	>	\	¥	>	>	\	>
ASSESSMENT NUTRITION STATUS	TATUS								
Growth monitoring		_	٨	_	¥	٨	٨	_	_
Community-level screening	_	٨	٨					¥	٨
PREVENTION OF MALNUTRITION	NOL								
Promotion of infant and young									
child feeding									
Demonstration of the Party of t									
-Breastreeding within an noul of									
 Exclusive breastfeeding for 6 	\	\	>	>	\	>	>	\	_
months	,	,		,		,	,	,	
 Breastfeeding until 23 months of 									
age									
-Appropriate complementary									
reeding	,	,	>	>	,	>	>	>	>
Deworming	.	-	- :	.	-	- :	⊢ :	_	-
Micronutrient supplementation	_	\	Υ	Y	٨	Υ.	Υ.	٨	\
MANAGEMENT OF ACUTE MALNUTRITION	1ALNUTR	NOIL							
Management of moderate acute malnutrition	\		\	\	7	\		X	\
Management of severe acute	>		>	>	>	>		>	>
malnutrition, uncomplicated	-		-	-	-	-		-	-
Management of severe acute					>	>			
malnutrition, complicated					-	-			
Management of arraemia			PIΙΜ	Mild/mod erate	Moder/se vere	Severe		\	≻
Management of underlying causes				¥	\	>		_	_
,									

				:		:	i		
Component and		Community			6	Opazila	District	Orban	æ
sub-component	Dom.	SC/O R	8		OHC	Н	MCW C	CRHCC	PHCC
			MATERN	MATERNAL NUTRITION	<u>v</u> 0				
Counselling on best practices during pregnancy	\	>	>	>	\	>	>	+	>
Assessment of nutritional status during ANC	¥	\	\	\	Y	>	>	X	\
Supplementation of IFA, Calcium	Y	¥	٨	¥	¥	\	\	\	_
Deworming	Y	¥	¥	¥	Y	¥	¥	¥	_
Management of arraemia			Σ	Mild/mod	Moder/se	Severe	¥	¥	٨
			P	erate	vere				
Vitamin A in post-partum	Y	Υ	Υ	Y	Υ	Y	Y	¥	\
			ADOLESC	ADOLESCENT NUTRITION	NO.				
Assessment of nutritional status	¥	\	\	X	¥	X	¥	_	_
Distribution of IFA	Y	Y	Y	Y	Y	¥	Y	Y	Y
			COMMUN	COMMUNICABLE DISEASES	ASES				
				TB					
Education on causes, prevention and control of TB and other communicable diseases	٨	\	>	\	\	>		\	>
Case detection Smear (+)				\	¥	>			
Chemotherapy including DOTS	Y	¥	\	X	Y	\		×	_
Diagnostic and management of Smear (-)					Y	>			
Active case finding in outpatient department/community				٨	Y	٨			
Preventive therapy of contacts				¥	Y	\			
Diagnosis of multi-drug resistant TB						TB hosp			
Treatment of multi-drug resistant TB						TB hosp			
Inpatient care of severe/complicated cases					Υ	\			

Component and		Community		Union	Ę	Upazila	District	Urban	æ
sub-component	Dom	SG/O R	8	UHEWC	OHO	Н	MCW C	CRHCC	PHCC
			MALARIA	MALARIA (selected districts)	ricts)				
BCC	٨	¥	+	٨	¥	\		\	\
Distribution of long-lasting insecticidal nets	٨	X	>	>	\	٨		>	>
Indoor residual spraying					¥	Y			
Diagnostic of malaria	RDT	RDT	RDT	RDT	RDT & lab	RDT & lab		¥	٨
Treatment of uncomplicated malaria – first line	٨	7	>	>	\	٨		\	>
Treatment of uncomplicated malaria – alternative lines					>	٨		\	>
Management of severe/complicated malaria					>	٨		\	>
		HIV/AIDS	(selected ar	HIV/AIDS (selected areas and/or population groups	pulation gro	(sdr			
BCC	٨	¥	⊁	¥	¥	٨			
Prevention of HIV infection at health facilities			>	>	\	٨			
Etiologic management of STIs					¥	¥		¥	
Syndromic management of STIs				٨	¥	٨		\	_
Referral for counselling and testing	Å	¥	\	٨	Y	Υ		X	\
HIV testing and counselling (HTC)						Υ			
PMTCT of HIV						\		v	
Anti-retroviral treatment						Y		s	
Prevention and treatment of opportunistic infections						Υ			
Laboratory diagnosis and follow up of anti-retroviral treatment						Y			

Component and		Community		Union	E	Upazila	District	Orban	E
sub-component	Dom	SCIO R	8	UHFWC/ USC	OHO	HO	MCW C	CRHCC	PHCC
		Z	GLECTED	NEGLECTED TROPICAL DISEASES	SEASES				
			\$	KALA-AZAR					
Insecticide indoor residual spraying					>	\			
Rapid diagnostic test					٨	٨			
Laboratory (slit skin smear) confirmation – only tertiary care									
DOTS oral treatment	¥	٨	٨	¥	¥	٨			
			LYMPHA	LYMPHATIC FILARIASIS	SIS				
Mass drug administration of population at risk	\	\	>	\	>	\			
Clinical diagnosis				¥	¥	¥			
Laboratory diagnosis						٨			
Management of acute attacks					¥	¥			
Medical management of lymphedema			>	>	>	\			
Surgical treatment of hydrocele					Y	Y			
			_	LEPROSY					
Clinical diagnoses				¥	¥	¥		٨	٨
Skin smear examination						Y			
Active case detection among contacts				>	>	>		>	>
MDT Treatment				¥	×	٨		۲	٨
Management of acute and chronic complications (specialized centre)									
			_	DENGUE					
Laboratory monitoring of suspected case					>	\			
Outpatient department management					٨	٨			
Inpatient management					\	٨			

Component and		Community		Union	E E	Upazila	District	Orban	Ę
sub-component	Dom.	SC/O R	8	UHEWC	OHO	НО	MCW C	CRHCC	PHCC
				RABIES					
Post-exposure treatment					⊁	⊁			
			NTEST	INTESTINAL PARASITES	LES				
National deworming days for children 6-12 years	٨	\	>	\	>	>		\	>
Deworming of pregnant women during ANC	+	\	>	\	>	>		\	≻
		TO	HER COMM	OTHER COMMUNICABLE DISEASES	SEASES				
Hepatitis diagnosis and management					>	>			
Typhoid diagnosis and management					>	>			
Diarrhoea and dysentery				Y	¥	¥			
				NODs					
				Z H I					
Promote healthy lifestyle for HTN and other NCD control	¥	٨	٨	٨	\	\		٨	\
Diagnosis of HTN			Scr	¥	_	-		¥	_
Management of HTN				, J	Y	Y		J.	Y
Lab follow-up of HTN cases					¥	¥		Y	¥
I&R cardiovascular disease (CVD)	Y		٨	¥	¥	¥		Y	٨
			DIABE	DIABETES MELLITUS	S				
Diagnosis of diabetes mellitus			Scr		_	_		¥	_
Management of Type II diabetes mellitus					\	\		٨	\
Management of Type I diabetes mellitus						>			
Identification and referral of long- term complications			٨	٨	Y	٨		Y	Y

Component and		Community		Union	uo	Upazila	District	Urban	æ
sub-component	Dom	SC/OR	00	UHFWC/ USC	OHO	НО	MCW C	CRHCC	PHGG
NCD SCREENING AND MANAGE	IG AND M	ANAGEME	UT BASED	ON TOTAL R	SK ASSESS	MENT (WHO	MENT BASED ON TOTAL RISK ASSESSMENT (WHO PEN APPROACH)	ACH)	
Screening for risk factors of CVD:-Family history of CVD/diabetes mellitus/kidney disease		Clinica I	Cli nic al	Clinical	Clinical &	linical & lab		>	>
-High blood pressure –Smoking – Overweight-High total cholesterol-High blood sugar									
Determine risk of CVD in next 10 years		Partial & refer	Partial & refer	Partial & refer	×	\		Y	\
Manage conditions and I&R complications				Y	Υ	\		Y	\
			0	CANCER					
Counselling on screening of cervical and breast cancers	\	\	\	X	\	\		٨	>
			BREA	BREAST CANCER					
Teaching of breast self- examination	\	\	٨	\	¥	>		٨	\
Clinical breast examination			¥	\	\	⋆		¥	٨
Mammography						Y (off ESP)			
Lumpectomy and mastectomy						Y (off ESP)			
			CERVI	CERVICAL CANCER	8				
Screening for cervical cancer (visual examination acetic acid)					Υ	٨			
Colposcopic examination (excision and biopsy) and cryotherapy						MC (off ESP)			

Component and		Community		Union	ы	Upazila	District	Orban	an
sub-component	Dom.	SC/O R	8	UHFWG USC	OHC	H	MCW C	GRHCC	ЬНСС
			Ф	OTHER NCDs					
			AR	ARSENICOSIS					
Counselling on the consumption of safe water	>	7	>	\	>	\		\	>
Identify, treat skin conditions and refer					>	\		\	>
Case management with antioxidants at tertiary level									
		CHRONIC	OBSTRUC	CHRONIC OBSTRUCTIVE PULMONARY DIEASES	NARY DIEA	SES			
Counselling on smoking cessation	⋆	٨	٨	¥	٨	¥			
Diagnosis and management of ambulatory cases				>	>	>			
Diagnosis and management of inpatient cases					>	\			
			Z	MENTAL HEALTH					
Counselling on identification and support to mental health cases, induding fighting stigma	>	>	>	>	>	>		>	>
Identification of signs of mental health conditions and referral			>	\				٨	\
Diagnosis of priority conditions:					>	X		\	_
-Autism and neurodevelopmental disorders –Epilepsy-Common disorders:-Depression-Psychosis –Anxiety-Substance abuse									
Management of priority, common mental health conditions					\	٨		¥	¥
Inpatient care for acute, severe cases						7			
Support for rehabilitation of mental health patients				Y	>	Y		٨	+

Component and		Community	ļ	Union	E .	Upazila	District	Orban	E
sup-component	Dom.	SC/O R	8	UHFWC	OHO	На	MCW C	GRHCC	PHGG
				SGBV					
Case identification and recognition	>	\	\	\	>	>	>	>	>
First-point counselling				Y	¥	Y	٨	Y	Y
Prevention of pregnancy: emergency contraception				Υ	\	٨	\	\	\
Treatment of minor injuries				¥	>	¥	¥	٨	٨
Prophylaxis for STIs				٨	\	¥	٨	¥	٨
Prophylaxis for HIV									
Psychological support					\	¥	٨	¥	
Medico-legal examination					×	¥	٨	¥	¥
		MANAGEM	ENT OF OT	MANAGEMENT OF OTHER COMMON CONDITIONS	ON CONDIT	SNOI			
			Ĺ	EYE CARE					
Treatment of acute conjunctivitis			¥	٨	\	¥		¥	¥
Treatment of corneal ulcer					_	Y		٨	\
Detection of cataract and visual impairment			Y	Y	>	Y		\	>
Management of cataract and visual impairment						S (off ESP)			
			E	EAR CARE					
Awareness on prevention of hearing impairment	\	٨	Y	Y	\	٨		\	\
Management of acute suppurative otitis media			Υ	Y	\	Y		٨	Y
Management of chronic otitis media					>	٨		\	>
Identification and management of hearing impairment			Ref er	Refer	Refer	Y (off ESP)			

Component and		Community		Union	uo	Upazila	District	Orban	an H
sub-component	Dom.	SCIO R	8	UHFWG	OHO	Н	MCW C	GRHCC	БНСС
			DE	DENTAL CARE					
Promotion of oral hygiene	\	X	×	¥	\	¥			
Treatment of common dental diseases (e.g., gingivitis, caries)				+	>	\			
Tooth extraction					>	¥			
			Š	SKIN CARE					
Treatment of common skin diseases:-Scabies-Ringworm			>	>	>	\		>	>
-Impetigo -Dermatitis									
			EMER	EMERGENCY CARE					
Road traffic-related injuries and trauma care									
-Stabilization and referral					\	¥			
-Management of complex trauma cases						Y (off ESP)			
Awareness on child injury and drowning prevention measures	>	>	>	>	>	>		>	>
Drowning			¥	¥	¥	٨		¥	¥
First aid in minor injuries			\	¥	\	٨		¥	\
Poisoning and snakebite					٨	٨			

APPENDIX B: COVERAGE DATA AND SOURCES OF INFORMATION FOR TREATMENT INPUTS BY ESP INTERVENTIONS 66

Notes: Information on current practice, standard protocol, or assumptions for interventions are for drug supply only. Personnel time for providing the intervention or inpatient day/outpatient department information is not included here.

🖟 Indicates intervention considering staff time for counselling, promotion, assessment, or identification.

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	AssumptioniNo tAvailable In Health Facilities
		Materna	Maternal health				
		A	ANC				
Daily IFA supplementation	Pregnant women	00	18.6 [1]	30 [2]		>	
Calcium supplementation	Pregnant women	8	[6] 5 [3]	17 [2]		>	
Tetanus toxoid	Pregnant women	8	38.3 [4]	61 [2]		>	
Screening, dagnostic tests, and counselling for four ANC visits	Pregnant women	<u>8</u>	10.5 [3]	17 [2]	*/	>	
Identify and manage HTN in pregnancy	Pregnant women	<u>8</u>	10.5 [3]	17 [2]		>	
Identify and manage pregnancy complications (anaemia, urinary tract infection, diabetes, abdominal pain, STIs)	Pregnant women	<u>8</u>	10.5 [3]	17 [2]	*>	>	
Syphilis detection and treatment	Pregnant women	[5] 9'0	[8] 98	30 [2]	2	>	
Micronutrientsupplements (vitamin B complex)	Pregnant women	001	15 [3, 6]	20 [3, 6]	>		

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	AssumptioniNo t Available In Health Facilities
		Norma	Normal Delivery				
Institutional normal delivery (personal and obstetric history, examination - foetal position and heartbeat, partograph, bi-manual compression to stop uterus atony, institutional delivery, and episiotomy)	Pregnant women	<u>8</u>	7.8 [3]	9 [2]		>	
Third stage of labour management	Pregnant women	8	8.8 [3]	10 [2]		7	
Domiciliary normal delivery	Pregnant women	<u>00</u>	8.2 [3]	10 [2]		>	
Induction of labour (beyond 41 weeks)	Pregnant women	5	14.2 [3]	17 [2]		>	
Identify and refer obstetric emergencies (identify and refer obstetric emergencies (shock, HTN, or heavy bleeding, antibiotics for complete/septic abortion, severe pre- edampsia, or eclampsia)	Pregnant women	2.3	59.5 [3]	89 [2]		7	
5		Obstetrica	Obstetrical Emergencies				
Management of obstructed labour	Pregnant women	13.8	15 [7]	23 [2]		Λ	
Caesarean section	Pregnant women	23	3.9 [7]	5.9 [2]	2		
Management of preterm premature rupture of membranes	Pregnant women	7.3 [8]	22.1 [3]	26 [2]		>	
Antenatal corticosteroids for preterm labour	Pregnant women	0	14	[6 [2]		>	
Management of pre-edampsia	Pregnant women	13.6	15 [7]	23 [2]		7	
Management of eclampsia	Pregnant women	0.79	14.2 [7]	17 [2]		>	
Treatment of post-partum haemorrhage	Pregnant women	10.5	12.5 [7]	19 [2]		Λ	

Assumption/No tAvailable In Health Facilities	>			>	>				^		
Current Practice		*		*	7			*			*
Target Coverage (2022)	62 [2]	8.6 [2]		17 [2]	23 [2]			6.1 [31]	33 [2]		22.8 [31]
Baseline Coverage (2016)	41.4 [7]	5.75 [7]	PNC	9.4 [3]	12.4 [7]	Neonatal Health		[15] 8.1	22 [30]	-	6.5 [31]
Population In Need (%)	40.	00	ī	8	4.5 [7]	Neonat		00	00		001
Target Population	Pregnant women	Pregnant women		Pregnant women	Pregnant women			Live births	Live births		Live births
Interventions	Management of ante-partum haemorrhage, prolapsed cord, shoulder dystocia, removal of retained products, repair vaginal and cervical tears, assisted vaginal delivery, blood transfusion	Other obstetric emergencies (genital prolapse)		Counselling, postnatal dinical history, identification and management of postnatal anaemia	Maternal sepsis case management		Immediate Newborn Car	Cord cutting and tying, prevention and management of hypothermia and newborn conjunctivitis, promotion of essential newborn care and practice, identification of danger signs, breathing problems and LBW babies, special care of pre-term and LBW neonate	Chlorhexidine application	Newborn Care After Delivery	Birth registration, weighing, temperature management, screening for congenital problems, identification of sepsis, omphalitis, neonatal jaundice, and identification and management of breastfeeding

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	Assumption/No t-Available In Health Facilities
Neonatal Emergencies							
Neonatal resuscitation (institutional)	Live births	0.48 [9]	12.7 [7]	19 [2]	*	^	
Newborn sepsis - full supportive care	Live births	.25	26.3 [3]	35.5		^	
Newborn sepsis - injectable antibiotics	Live births	1.25	26.3 [3]	35.5		>	
nt of breathing problems, LBW babies, and neonatal	Live births	36	26.3 [3]	35.5		>	
		Child Hea	Child Health and EPI				
		₹	υ				
Oral rehydration solution	Children 0-59 months	240	35.3 [8]	42.4 [2, 3]		^	
Zinc	Children 0-59 months	240	35.3 [8]	42.4 [2, 3]		>	
Antibiotics for treatment of desentery	Children 0-59 months	12	31.6 [8]	38 [2, 3]		>	
t of severe diarrhoea	Children 0-59 months	2.4	19.3 [3]	23 [2, 3]		^	
Cough/cold, wheeze	Children 0-59 months	5.4	39. [3]	47 [2, 3]		٨	
Pneumonia treatment	Children 0-59 months	45.3	[6.3 [3]	21.3 [2, 3]		>	
Treatment of severe pneumonia	Children 0-59 months	3.6	10.5 [3]	13.7 [2, 3]		Λ	
Treatment of simple fever, severe febrile disease, laboratory diagnosis for fever, acute ear infection, chronic ear infection, identification of danger signs and referral, counselling to parents on danger signs and nutrition	Children 0-59 months	<u>0</u>	7.3 [3]	8 [2, 3]		>	
			EPI				
Bacille Calmette-Guerin (BCG) vaccine	Children 0-23 months	00	82.5 [4]	88 [2]		>	
Polio vaccine	Children 0-23 months	<u>00</u>	72 [4]	77 [2]		^	
Pentavalent vaccine	Children 0-23 months	8	78.2 [4]	83 [2]		7	
Pneumococcal vaccine	Children 0-23 months	<u>8</u>	39.8 [10]	52 [2]		~	

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	Assumption/No t Available In Health Facilities
Inactivated polio vaccine	Children 0-23 months	<u>00</u>	72[4]	77 [2]		٨	
Measles vaccine	Children 0-23 months	<u>8</u>	71.3 [4]	76 [2]		7	
Other EPI activities (counselling parents on immunization and adverse effects, registering eligible children, follow-up of defaulters and to identify adverse effects)	Children 0-23 months	<u>00</u>	82.2 [4]	88 [2]	*		
		Adolesce	Adolescent Health				
Counselling on puberty, safe sexual behaviour, mental health, HIV/AIDS, substance abuse, and FP information and provision and prevention of early marriage	Adolescents 10-19 years	001	12.5 [27]	18.8 [2]	*		
Screening for STIs	Adolescents 10-19 years	0.2	[1]	17.3 [2]	>		
Syndromic management of STIs	Adolescents 10-19 years	0.2	11.5 [12]	17.3 [2]	>		
Etiologic management of STIs	Adolescents 10-19 years	0.2	11.5 [12]	17.3 [2]	7		
FP information and provision	Adolescents 10-19 years	<u>00</u>	18 [12]	27 [2]	*>		
		ž	Nutrition				
		Piito	Child Nutrition				
Assessment nutrition status (growth monitoring)	Children 0-23 months	001	24.4 [18]	36.6[6]	*/		
Breastfeeding within an hour of birth, exclusive breastfeeding for 6 months, breastfeeding until 23 months of age	Children 0-23 months	<u>8</u>	<u>4</u>	21[6]	*		
Breastfeeding counselling and support	Live births	00	47.2 [3]	614[6]	V#		
Complementary feeding counselling and support	Children 6-23 months who are food secure	00	[6 [3]	24 [6]	*		
Deworming	Children 6-59 months	00	[6] 0	15 [3]		7	
Vitamin A supplementation	Children 6-59 months	00	55.5 [1, 3]	83.3 [6]		7	
Management of anaemia	Children 6-23 months	00	12.5 [1, 3]	18.8 [6]		٨	

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	Assumption/No t Available In Health Facilities
Management of moderate acute malnutrition	Children 6-59 months	40	[8]	33.7 [6]	>	^	
Management of severe acute malnutrition	Children 6-59 months	4	10.6 [1, 3]	21.1 [6]	>	>	
Management of severe acute malnutritionwith associated complications (vitamin A deficiency, corneal clouding/ulceration, dermatosis, helminthiasis, continuing diarrhoea/dysentery)	Children 6-59 months	4	4.7 [18]	7[6]		>	
		Adolescen	Adolescent Nutrition				
Assessment of nutritional status	Both sex 10-19 years	001	[/] 8'9	21.8[3, 6]	*/		
IFA supplementation	Females, 10-19 years	00	3.2[19]	8[6]		Λ	
		Materna	Maternal Nutrition				
IFA supplementation	Females, 20-49 years	00	(6.9[19]	17.2[6]		7	
Assessment and counselling during ANC	Pregnant women	001	10.5 [3]	[3, 6]	**		
Vitamin A in post-partum	Pregnant women	00	28. [3]	42.1 [3.6]		7	
Deworming	Women of reproductive age (15-49 years)	20	18.1 [15]	27.2 [3, 6]	>	>	
Management of araemia	Women of reproductive age (15-49 years)	20	125 [16]	18.8 [6]	2	>	
		Ŧ.	Fp/Rh				
		Pre-Conc	Pre-Conception Care				
Promote health, FP, nutrition, child survival and safe motherhood, screening for malnutrition, prevent infectious diseases including HIV and	Women of reproductive age (15-49 years)	00	[1.8 [30]	17 [2]	*		

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	Assumption(No t Available In Health Facilities
STIs, congenital anomalies, counselling on best practices during pregnancy							
Tetanus toxoid for women of reproductive age	Women of reproductive age (15-49 years)	001	20 [14]	85.8 2]		>	
		FP Co.	FP Counselling				
FP counselling (counselling on birth spacing, methods and adverse effects, advocacy and awareness development on post-partum FP and post menstrual regulation/PAC-FP, screening according to medical eligibility criteria for contraceptive use, pre-conception FP counselling. ANC information and counselling on post-partum FP, counselling and provision of post-partum FP methods)	Women of reproductive age (15-49 years)	74.4	53.1	14	**		
		Σd	FP Methods				
PIII - standard daily regimen	Women of reproductive age (15-49 years)	00	13 [3]	13.61[3, 26]		>	
Condom - male	Men 15-49 years	<u>8</u>	3. [3]	3.2 [3, 26]		>	
Emergency contraceptive pill	Women of reproductive age (15-49 years)	00	25. [3, 23]	26.4 [3, 26]		>	
Injectable - (depo provera)	Women of reproductive age (15-49 years)	001	6 [3]	6.25 [3, 26]		7	
IUD (copper T 380-A IUD)	Women of reproductive age (15-49 years)	23.6	0.3 [3]	0.3 [3, 26]		>	
Implant - implanon	Women of reproductive age (15-49 years)	46	0.8 [3]	1.2 [3, 26]		>	
Female sterilization	Women of reproductive age (15-49 years)	5.3	2.2 [3]	2.3 [3, 26]		>	
Male sterilization	Men I 5-49 years	5.3	0.58 [3]	0.6 [3, 26]		Λ	

Menagement of PF complications Peusers Homogeneert of PF Complications FP users Homogeneert of PF Complications Peusers IST 31 (±5.3.26] V V Menstrual regulation Whenever age (15-49 years) 100 15 [3] 6.5 [32] V V Dispetes mellitus Total population 10.5 [20] 25.6 [12] 6.3.9 [21] V V Planagement of type II disbetes Total population 10.5 [20] 25.6 [12] 6.3.9 [21] V V Planagement of type II disbetes Total population 0.1 [22] 25.6 [12] 6.3.9 [21] V V Pennote healthy lifestyle for HTM People size 35.73+ 100 3.6 [22] 7.1 [21] V V Planagement of HTM People size 35.73+ 100 3.6 [26] 7.1 [21] V V Dispussis of HTM People 35.80+ years 3.2 [26] 7.1 [21] V V Dispussement of HTM People 35.80+ years 3.2 [26] 7.1 [21] V V Basic breast cancer awareness Female 15.49 years<	Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	AssumptionINo t Available In Health Facilities
Nomen of reproductive 100 15 [3] 22.5 [3.26] V		Σ	anagement of	FP Complicati	ons			
Women of reproductive 100 5.4 [32] 6.5 [32] See (15.49 years) NCDs Active See (15.49 years) NCDs See (15.49 years) NCDs See (15.49 years) NCDs See (15.49 years) O.1 [22] 25.6 [12] 63.9 [21] See (15.49 years) O.1 [22] 25.6 [12] 63.9 [21] See (15.40 years) O.1 [22] 25.6 [12] 63.9 [21] See (15.40 years) O.1 [22] 25.6 [12] 63.9 [21] See (15.40 years) O.1 [22] 25.6 [12] 63.9 [21] See (15.40 years) O.1 [22] 25.6 [12] 25.6 [12] See (15.40 years) O.1 [22] O.1 [22] See (15.40 years) O.1 [22] O.1 [22] O.1 [22] See (15.40 years) O.1 [22] O.1 [22] O.1 [22] O.1 [22] See (15.40 years) O.1 [22]	Management of FP complications	FP users	00	15 [3]	22.5 [3, 26]	Λ	7	
Women of reproductive 100 5.4 [32] 6.5 [32] 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20			Menstrual	Regulation				
NGDs Diabetes Mellitus Diabetes Mellitus tes Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] √ tes Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] √ long- Total population 4.2 25.6 [12] 63.9 [21] √ long- Total population 4.2 25.6 [12] 63.9 [21] √ HTN HTN HTN HTN HTN HTN HTN √ HTN HTN HTN HTN HTN √ √ √ HTN HTN HTN HTN √ √ √ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ </td <td>Menstrual regulation</td> <td>TO .</td> <td>001</td> <td>5.4 [32]</td> <td>6.5 [32]</td> <td></td> <td>7</td> <td></td>	Menstrual regulation	TO .	001	5.4 [32]	6.5 [32]		7	
State Foral population 10.5 [20] 25.6 [12] 63.9 [21] √			ž	CDs				
tes Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] \times V Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] \times V Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] \times V Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21] \times V Adults 40+ years 100 25.6 [12] 63.9 [21] \times V Adults 40+ years 100 25.6 [12] 63.9 [21] \times V Adults 40+ years 100 25.6 [12] 63.9 [21] \times V Adults 40+ years 100 25.6 [12] 63.9 [21] \times V Adults 40+ years 100 25.6 [12] 22.9 [21] \times V Adults 40+ years 100 25.9 [12] 22.9 [21] \times V Adults 40+ years 100 25.9 [12] 22.9 [21] \times V Adults 40+ years 100 25.9 [12] 22.9 [21] \times V Adults 40+ years 100 25.9 [12] 25.9 [21] \times V Adults 40+ years 100 25.9 [12] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [21] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 25.9 [22] 2			Diabete	s Mellitus				
tes Adults 40+ years 0.1 [22] 25.6 [12] 63.9 [21]	Diagnosis of diabetes mellitus	Total population	10.5 [20]	25.6 [12]	63.9 [21]	>	>	
Foral population 10.5 [20] 25.6 [12] 63.9 [21] 1.4* 1.5* 1.2* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5* 1.5*	Management of type II diabetes mellitus	Adults 40+ years	0.1 [22]	25.6 [12]	63.9 [21]		7	7
Feople with cholesterol > 100 6.9 [26] 13.8 [21] 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	Management of type I diabetes mellitus	Total population	10.5 [20]	25.6 [12]	63.9 [21]		>	>
HTN People with cholesterol > 100 6.9 [26] 13.8 [21] √ 8 mmol/L and total CVD risk < 30%	Identification and referral of long- term complications	Total population	4.2	25.6 [12]	63.9 [21]	*/		
HTN People with cholesterol > 100 6.9 [26] 13.8 [21] V 8 mmol/L and total CVD risk < 30%			I	Z				
People age 35-73+ 100 3.6 [26] 7.1 [21] √ years 32 3.6 [26] 7.1 [21] √* People 35-80+ years 32 1.1 [26] 2.1 [21] √* People 35-80+ years 10 3.6 [26] 7.1 [21] √* Ss Female 15-49 years 100 9.2 [12] 22.9 [21] Im Female 15-49 years 12 22.9 [12] 57.3 [21] Activical Cancer Cervical Cancer Cardical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer Caryical Cancer	Promote healthy lifestyle for HTN and other NCD control	People with cholesterol > 8 mmol/L and total CVD risk < 30%	00	6.9 [26]	13.8 [21]	>		>
People 35-80+ years 32 3.6 [26] 7.1 [21] People 35-80+ years 32 1.1 [26] 2.1 [21] √* People 35-80+ years 10 3.6 [26] 7.1 [21] √* Breast Cancer ss Female 15-49 years 100 9.2 [12] 22.9 [21] m Female 15-49 years 12 22.9 [12] 57.3 [21] Cervical Cancer Cervical Cancer Acid Women 30-49 years 6.6 22.9 [12] 57.3 [21]	Diagnosis of HTN	People age 35-73+ years	001	3.6 [26]	7.1[21]	>	>	
People 35-80+ years 32 1.1 [26] 2.1 [21] √* People 35-80+ years 10 3.6 [26] 7.1 [21] √* ss Female 15-49 years 100 9.2 [12] 22.9 [21] m Female 15-49 years 12 22.9 [12] 57.3 [21] acid Women 30-49 years 6.6 22.9 [12] 57.3 [21]	Management of HTN	People 35-80+ years	32	3.6 [26]	7.1[21]		Σ	>
People 35-80+ years 10 3.6 [26] 7.1 [21] Breast Cancer	Lab follow-up of HTN cases	People 35-80+ years	32	[26]	2.1 [21]		٨	>
Femal Femal	Identify and refer CVD	People 35-80+ years	0	3.6 [26]	7.1 [21]	*		
Femal Femal			Breast	Cancer				-
Femal cid Wom	Basic breast cancer awareness	Female 15-49 years	00	9.2 [12]	22.9 [21]			>
Мош	Screening: clinical breast exam	Female 15-49 years	12	22.9 [12]	57.3 [21]			>
Wom			Cervica	l Cancer				
	Visual inspection with acetic acid	Women 30-49 years	9.9	22.9 [12]	57.3 [21]			>
NCD Screening And Management Based On Lotal Mask Assessment		NCD Screening Ar	nd Managemen	t Based On To	otal Risk Assessn	ent		

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current	Protocol	Assumption/No t Available In Health Facilities
Screening for risk of CVD/diabetes	People with a 20-30% chance of developing CVD or dabetes	14.3	6.1 [12]	18.2 [21]	>	>	
Determine risk of CVD in next 10 years	People with SBP > 160 mmHG and total CVD risk < 30%	14.3	6.1 [12]	18.2 [21]		^	>
Manage conditions and identify and refer complications (HTN, high total cholesterol, CVD, diabetes mellitus)	People with acute strokes or acute IHD	<u>4.</u> 3	6.1 [12]	18.2 [21]		>	>
	Ą	Chronic Obstructive Pulmonary Disease	e Pulmonary	Disease			
Counselling on smoking cessation	Both sex 10-80+ years	88	3.8 [14]	9.5 [21]	*		
Diagnosis and maragement of ambulatory cases	People with chronic obstetric pulmonary disease	88'1	3.8 [14]	9.5 [21]	>		
Diagnosis and management of inpatient cases	People with chronic obstetric pulmonary disease	88	3.8 [14]	9.5[21]	>		
		S.	SGBV				
Case identification and recognition	Female 15-49 years	12.9	15.4 [23]	30.8 [21]	>		
First-point counselling	Female 15-49 years	26.9	15.4 [23]	30.8 [21]	7		
Prevention of pregnancy with emergency contraception	Female 15-49 years	8.2	[5.4 [23]	30.8 [21]	>		
Treatment of minor injuries	Female 15-49 years	9.8	15.4 [23]	30.8 [21]	7		
Prophylaxis for STIs	Female 15-49 years	13.3	15.4 [23]	30.8 [21]	>		
Psychological support	Female 15-49 years	28.7	15.4 [23]	30.8 [21]	>		
Medico-legal examination	Female 15-49 years	30	[5.4 [23]	30.8 [21]	>		
		Arser	Arsenicosis				
Counselling on the consumption of safe water	Population at risk of arsenicosis	0.7	33.6 [24]	67.1 [21, 25]	*>		
Identify, treat skin conditions and refer	Population at risk of arsenicosis	0.7	16.8 [24]	33.6 [21, 25]	**	Ν	

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protoco	Assumption/No t-Available In Health Facilities
	Manag	Management Of Other Common Conditions	r Common C	onditions			
100			Eye Care	700			
readment of acute conjunctivities	oral population	74.0	33]	12.4	>		
Treatment of corneal ulcer	Total population	0.42	25.6 [12, 33]	39 4 [34]	7		>
Detection of cataract and visual impairment	Total population	11.2	93[12, 33]	4.3 [34]	*>		
		Ear	Ear Care				
Identification and referral of hearing impairment	Total population	0.08	25.6 [12, 33]	39.4 [34]	>		
Management of otitis media	Total population	0.08	25.6 [12,	39.4 [34]	>		
		Denta	Dental Care				
Promotion of oral hygiene	Total population	60.0	33.2 [12]	36.5 [12]	>		
Treatment of common dental diseases	Total population	60.0	33.2 [12]	36.5 [12]	7		
Tooth extraction (mobile tooth)	People 10+ years	60.0	33.2 [12]	36.5 [12]	7		
	Tre	Treatment Of Common Skin Diseases	nmon Skin Dis	eases			
Treatment of common skin diseases	Total population	0.43	30.7 [12]	30.7 [12]	7		
		Emerge	Emergency Care				
Road traffic accident stabilization and referral	Total population	0.23	25.6 [12]	32 [12]	>		
Drowning	Adults 15+ years	10.0	25.6 [12]	32 [12]	7		
First aid in minor injuries	Total population	0.7	25.6 [12]	32 [12]	7		
Poisoning and snakebite	Total population	10.0	25.6 [12]	32 [12]		7	
		Other Communicable Diseases	nicable Diseas	62			
Hepatitis diagnosis and management	Total population	0.23	21.2 [12]	26.3 [11]	7		
Typhoid diagnosis and management	Total population	60.0	39.6 [12]	49.5 [11]	7		
Diarrhoea and dysentery	Total population	0.29	29.9 [12]	37.4 [11]	>		

Interventions	Target Population	Population In Need (%)	Baseline Coverage (2016)	Target Coverage (2022)	Current Practice	Protocol	Assumption/No t Available in Health Facilities
		De	Dengue				
Laboratory monitoring of suspected case	Total population	_	6 [38]	10.4 [11]	>	>	
Outpatient department management	Total population	_	8.8 [38]	15.3 [11]	>	Λ	
Inpatient management	Total population	_	8.8 [38]	15.3 [11]	7	~	
		Ra	Rabies				
Rabies post exposure prophylaxis	Total population	0.03	35.4 [11]	(11]		~	
		E	Malaria				
Prevention and case management	Population at risk	3.	[7.8 [12]	53.5 [11]	Coste	Costed using budget line items	line items
		TB And	TB And Leprosy				
TB	Total incidence/year	00	62 [39]	85 [39]	Coste	Costed using budget line items	line items
Leprosy	Population at risk	0.41 [13]	49 [13]	74 [13]	Coste	Costed using budget line items	line items
		Ĭ	HIV/AIDS				
Prevention, care, and treatment of HIV/AIDS	People Iving with HIV/AIDS	<u>8</u>	53[13]	100 [13]	Coste	Costed using budget line items	line items
		Neglected Tr	Neglected Tropical Diseases				
Kala-azar (cutaneous leishmaniasis and visceral leishmaniasis)	Population at risk	3.6	7.6 [28]	[5,1 [21]	Coste	Costed using budget line items	line items
Lymphatic filariasis	Population at risk	9	50 [29]	75 [21]	Coste	Costed using budget line items	line items

APPENDIX C: COST PER SERVICE OF ESP INTERVENTIONS BY DELIVERY CHANNELS, AND WEIGHTED AVERAGE COST PER SERVICE

Notes: Appendix Cincludes cost of medicines/vaccines/contraceptives, investigations, doses and duration of treatment, other supplies, and labor cost including counseling and assessment. This cost per service of ESP interventions does not include any health system cost for delivering the interventions

months, breastfeeding until 23 months of age, (2) breastfeeding counselling and support and (3) complementary feeding counselling and suppo rt-Out of a total of 132 interventions calculated in OHT, some were merged together for convenience of estimation of cost per service- for which the Appendix C shows 119 interventions instead of 132. For example (1) breastfeeding within an hour of birth, exclusive breastfeeding for 6 these three interventions were costed separately in OHT, but in the Appendix C these three interventions were added together under one intervention named as Infant and young child feeding (IYCF).

R= labour cost for referral only, no drug-supply cost

* Primary management & refer

L= labour cost for counselling, promotion, assessment, or identification

Weighted	average	(BDT)			472.4	312.7	53.0	527.5	365.5
		PHG0			472.3	295.2	4 .	909.2	7.717.7
		CRHCC			472.3	295.2	4 .	198	5 699
		SC/OR			476.3		47.9	93.7	617.8
nannels		Θ			1	ı		9 -	.95
elivery d	annels	8			475.3	308.9	48.6	112.9	945.8
вот ву а	Delivery channels	Osc	l t		478.4 481.6 475.3	315.7	22	83.5	.037.
r cost) in	٥	EWO	Maternal Health	ANG	478.4	311.9	52.8	349.2	.192.
and labour		OHO	Mat		473.5	313.1	53	899.	738.7
drug-supply		MCWC			474.3	315.9	26.3	5.68	.036.
Cost per service (drug-supply and labour cost) in BDT by delivery channels		H			462.8	317.6	59.5	883.8	,723.8
Cost	lethonorest for	No. Holy leading to the leading to t			Daily IFA supplement for four ANC visits	Calcium supplementation during four ANC visits	Tetanus toxoid	Screening, diagnostic tests, and counselling for four ANC visits	Subtotal of ANC (only 4 components)
						1C	ΛA		Subtot

Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(Iddns-8nap	nogel pue	r cost) in	ВОТ Бу Ф	elivery d	annels				Weighted
i				۵	Delivery channels	annels					average
Tree-vendon iss	H	MCWC	S H O H O	EWC	oso	8	<u>Θ</u>	SC/OR	CRHCC	HG	(BDT)
				2	6		6				
Identify and manage HTNduring ANC	44.5	44.5	43.9	11.2"	42	9.3	ı		45.9		114.3
Identify and manage pregnancy complications (anaemia, urinary tract infection, diabetes, abdominal pain, STIs)	421.2	291.6	459.2	44.8	82.7	.E.	9.8"		407.9	4.8	318.2
Syphilis detection and treatment	464.3	290.2	458	1	1	,	1		440.3	89.2	407.3
Subtotal of ANC (all components)	2,753.7	762.3	2,799.7	,248. 2	 8	964.4	8	617.8	2,663.6	1,921.7	2205.3
			No	Normal Delivery	ery						
Rersonal and obstetric history, examination -foetal position and heartbeat, partograph, bl-manual compression to stop delivery, and episiotomy	644.9	737.5	644.9	1.165		545.5			646.9		601.7
Third stage of labour management	81.7	85.6	82.99	62		85.9			83		76.
Subtotal of normal delivery and episiotomy (institutional)	726.6	823.	727.9	653.2		631.4			729.9		677.9
Domicillary normal delivery							ı	207.7			207.7
Induction of labour (beyond 41 weeks)	807.	807.	278.3	673.6	10.7 "	4.8"				861.5	558.8
Identify and refer obstetric emergencies (shock, HTN or heavy bleeding, antibiotics for complete/septic abortion, severe pre-eclampsia or eclampsia)	(See next rows for obstetric emergencies)	. <u>S.</u>	431.8		77.6	**	9.8		443.54		164.4
			Obstet	Obstetric Emergencies	encies						
Management of obstructed labour	81.3	37.5	45.4				ı		37.5		157
Caesarean section	4,451	4,589.3	4,45				ı		4,451		4453.6
Management of preterm premature rupture of membranes	884.7	882	884.7				ı		905.3		886.6

Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	drug-supply	y and labou	r cost) in	BDT by d	elivery ch	annels				Weighted
				ā	Delivery channels	annels					average
Ne vendon iso	ᆷ	MCWC	OHO	FWC	OSC	8	МОО	SC/OR	CRHCC	PHOO	(BDT)
Antenatal corticosteroids for preterm labour	342.2	410.8	376.4	"8.01	13.5"	9.3	9.8		400.8	14.8"	206.9
Management of pre-eclampsia	682.8	578.3	604.4	ı					682.8		638.5
Management of eclampsia	730.7	689.4	792						730.7		749.6
Treatment of post-partum hemorrhage	622.9	673.8	693.7				ı		635.5		675.44
Management of ante-partum haemorrhage, prolapsed cord, shoulder dystocia, removal of retained products, repair vaginal and cervical tears, assisted vaginal delivery, blood transfusion	886.	707.2	886.8		1			1	886.1		883.1
Subtotal of Obstetrical Emergencies	8816.7	8671.4	8809.5	8.0	3.5	9.3	8'6		8829.6	4.8	8650.7

Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(ddns-8nup)	y and labou	ır cost) in	BDT by d	elivery ch	annels				Weighted
				۵	Delivery channels	annels					average
No. 100 Low and 10	H	MCWC	OHO	EWC	osn	8	МОО	SC/OR	CRHCC	PHCC	(BDT)
				S N							
Counselling, postnatal clinical history, identification and management of postnatal anaemia	426.6	335.4	414.3	192.3	193.6	208.2	9.6	19.2	468.4	330.2	272.8
Maternal sepsis case management	794.4	260.9	565.2	=	3.5	9.4	9.8	9.6"	058.8	4.8 R	371.5
Subtotal of PNC	1221.0	296'3	919.8	203.4	207	217.6	29.4	28.8	527.2	345.0	644.3
			ž	Neonatal Health	ılth						
Immediate Newborn Care											
Cord cutting and tying, chlorhexidine application, prevention and management of hypothermia and newborn conjunctivitis, promotion of essential newborn care and practice, identification of danger signs, breathing problems and LBW babies, special care of pre-term and LBW neonate	100.4	107.3	<u>0</u>	77.1	16.8	71.2	75.7		121.6	12.8	85.4
Newborn Care After Delivery											
Birth registration, weighing, temperature management, screening for congenital problems, identification of sepsis, omphalitis, neonatal jaundice, and identification and management of breastfeeding problems	25.2-	29.5 ⁴	25.5 1	-13.4 -	13.4	13.11	13.7	13.51	35.7 -		22.1
Subtotal of newborn care	125.6	136.8	125.5	90.5	30.3	84.3	89.4	13.5	157.3	12.8	107.5

	Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(drug-supply	y and labou	r cost) in	BDT by d	elivery ch	annels				Weighted
	and management by				٥	Delivery channels	annels					average
		품	MCWC	S P	EWC	OSC	8	Θ	SC/OR	CRHCC	PHOO	(BDT)
Neona	Neonatal Emergencies											
Neonat	Neonatal resuscitation (institutional)	75.6	77.5	75.6	42.7	60				.08		989
Manager omphalit jaundice	Management of breathing problems, omphalitis, LBW babies, and neonatal pundice	475.8	373.	487.2	185.7	219.8				475.8		420,5
nocn	Full supportive care	8.06	4.8	94.2						8.06		89.3
JwəM eq es	Injectable antibiotics	700.3	49.3	708.7	26.5	37.5				858.7		4966
Subtot	Subtotal of neonatal emergencies	442.4	514.7	1465.6	254.9	266.				902.5	ı	175.1
				Child	Child Health and EPI	d EP I						
Σ												
ÌC	Oral rehydration solution	23.2	21.9	70	9.6	21.6	4			23.2	23.2	20.9
ent c	Zinc	1.6	18.4	9.91	9	18.2	10.5			1.6	1.6	17.5
eme Jiarrho	Antibiotics for treatment of dysentery	55.2	55.2	53.6	52.	53.6				57.6	57.6	54.6
e M øg	Treatment of severe diarrhoea	E191	ı	165.2	,	ı				ı		63.4
Subto	Subtotal of diarrhoea management	259.3	95.4	255.6	87.8	93.5	24.6			100.4	100.4	256.4
lo Ir	Cough'cold, wheeze	42.9	42.9	41.2	36.7	38.9	34.7			43.8	42.9	41.0
eme ARI	Pneumonia treatment	240.8	207.9	240.8		1				98.6	59.2"	225.7
eyveg	Treatment of severe pneumonia	1,010.5	ı	929.3		1	1					996
Subto	Subtotal of AR	294.2	250.8	1211.3	36.7	38.9	34.7	0.0	0'0	242.3	102	1233.0

Weighted	average	(BDT)	122.3	7.1181		19.5	0.69	624.9	116	125.7	123.6	1873.8	21.8
		HOS	81.7	284.2		6.4	59.5	613.	899.2	62	115.7	865.9	10.61
		CRHCC	179.5	522.3				ı		ı	ı		
		SCIOR	.7.°	9.7		9.2	67.9	623.5	909.2	63	22.7	0 0	
hannels		Θ	13.7 R	13.7				ı		ı			19.61
delivery o	sanner	8	29.3#	9"88		19.2	679	623.5	2606	163	22.7	0 0	- 1- 1-
BDT by	Delivery channels	OSC	49.5	8		19.2	67.9	623.5	2606	64.8	22.7	1907. 8	26.5 ^L
r cost) in	•	FWC	30.6	22.		19.2	679	623.5	2606	648	22.7	1907. 8	224t
nogel pue		OH D	220.3	687.2		20.5	71.7	628.3	914.4	99	25.9	926.8	23¹
drug-supply		MCWC	86.6	432.8		19.2	679	623.5	2606	64.8	22.7	907.8	25.41
Cost per service (drug-supply and labour cost) in BDT by delivery channels		품	221.6	775		20.3	71.4	627.9	914	63.9	25.6	1923.	22.21
Cost		Ne Local Action	Treatment of simple fever, severe febrile disease, laboratory diagnosis for fever, acute ear infection, chronic ear infection, identification of danger signs and referral, counselling to parents on danger signs and nutrition	Subtetalef IMCI	EPI	BCG vaccine (1 dose)	Polio vaccine (3 doses)	Pentavalent Vaccine	e Pheumococcal vaccine (3 doses)		Measles vaccine (2 doses: MR vaccine at 9th month and measles vaccine at 15th month of age)	Subtotal of EPI vaccines	Other EPI activities (counselling parents on immunization and adverse effects, registering eligible children, follow-up of defaulters and to identify adverse effects)

Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(ddns-8n.ap)	y and labou	r cost in	вот ву а	elivery d	annels				Weighted
				•	Delivery channels	annels					average
	Н	MCWC	OHO	FWC	OSO	8	РОМ	SCIOR	CRHCC	PHCC	(BDT)
Subtotal of EPI activities	1945.3	1933.3	1949.8	1930.2	1934.3	1925.1	19.6	1926.8		1876.5	1895.6
			Ado	Adolescent Health	alth						
Counselling on puberty, safe sexual behaviour, mental health, HIV/AIDS, substance abuse, FP information and provision, and prevention of early marriage	, 809 ,	73.8	-6.09	25 -	39.7 -	48.4	49.7 1	50.6	23.61	23.6 -	53.5
Screening for STIs	54.7	4.8	54.7	11.2"	13.2 "				54.7	54.7	39.9
Syndromic management of STIs	87.	87.	87.	11.2 "	4.8"		ı		87.	2.69	81.2
Etiologic management of STIs	212.	4.8 ⊬	212				ı	ı	4.8	14.8 "	77.5
Subtotal of Adolescent health	514.6	5"061	514.7	77.3	1.73	48.3	49.7	9.05	280.2	262.8	452.
				Nutrition							
			δ	Child Nutrition	ou						
Assessment of nutritional status (growth monitoring)	20.7	20.7	18.2	15.7	15.7	13.7	12.8	13.0	33	13.3	17.4
Infant and young child feeding: breastfeeding counselling and support (breastfeeding within an hour of birth, exclusive breastfeeding for 6 months, and continue until 23 months of age), and complementary feeding counselling and support	54.8	53.1	44.6	44.8	44.8	39.2	38.8	37.4	17.1	17.1	43.2
Deworming	26.5	25.8	24.7	22.2	22.2	50.9	20.8	20.4	26.5	26.5	24.7

Cost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(derug-suppl)	nodel bue	r cost) in	BDT by d	elivery d	annels				Weighted
				ă	Delivery channels	annels					average
	Ħ	MCWC	S H O H O	EWC	OSC	8	Θ	SCIOR	CRHCC	PHCC	(BDT)
Vitamin A supplementation (6-59 months)	12.0	11.2	9.8	6.6	6.6	0.6	8.9	8.7	3.7	6.4	9.7
Management of aracemia	58.9		57.6	26.8	26.8	1		55.6	58.9	58.9	57.8
Management of severe acute malnutrition with associated emeint of complications (vitamin A efficiency, corneal clouding/ulceration, dermatosis, helminthiasis, continuing diarrhoea/dysentery)	1423.8		1539.0	20.7	20.7	9.8°		 E	1456.3	29.5'	1048.9
Management of moderate acute malnutrition	34.4		33.4	25.8	25.8	26.6		26.	0.09	35.2	35.
Subtotal of child nutrition	631.0	8.01	727.4	195.8	95.8	19.2	813	170.6	635.8	698	1236.7
			Adole	Adolescent Nutrition	rition						
Assessment of nutritional status and IFA supplementation	51.2	59.2	48.	44.9	48.7	38.4	41.2	40.6	39.1	39.	46.4
			Mate	Maternal Nutrition	tion						
Vitamin A in post-partum		8	9.	=	2	10.5	10.7	10.7	2	12.7	4.
Deworming	9	9	4.6	8.7	4.8	9	12	12	9	9	4.6
Assessment and counseling on nutrition and IFA supplementation	38.2	£.44	37.9	33.6	39.7	28	29.4	29.	2.8	12.8	33.
Management of araemia	37	35.2	58.4	42.7	45.	40.8			265	67.5	19.4
Subtotal of Maternal nutrition	202.5	207.3	222.6	0.96	9:111	91.0	52.2	21.7	200.5	0.60	78.5
				Š							
			Diab	Diabetes Mellitus	tus						
Diagnosis of diabetes mellitus	34.7	1	34.7	1		93	ı		34.7	34.7	34.7
Management of type II diabetes mellitus	293.2		308				ı		293.2	308	297
Management of type I diabetes mellitus	534.4		534.4		·	ı	ı		534 4	534.4	534.4

Deliverychannels Deliverychannels Science Deliverychannels Science Deliverychannels Science Deliverychannels Science Deliverychannels Science Deliverychannels Science S	Cost	per service	Cost per service (drug-supply and labour cost) in BDT by delivery channels	y and labou	ır cost) in	ВОТ Бу д	elivery d	annels				Weighted
Note	The section of the se				٩	elivery ch	annels					average
of long-term 29.51 - 29.51 18.61		H	MCWC	OHO	EWC	OSO	8	<u>Σ</u>	SCIOR	CRHCC	BH 60	(BDT)
Breast Cancer 1065/7 29.5 27.9 0.0 0.0	Identification and referral of long-term complications	29.5		29.5	29.5	29.5	8.6			29.5	29.5	27.6
Second State Seco	Subtotal of Diabetes melitus	6 66	0.0	1900	29.5	29.5	27.9	0.0	0.0	6 66	1006.7	993.8
trof inpatient 180.5 - 23.3				à	east Canc	er						
Second S22 ⁺ A76 ⁺ S9.1 ⁺ 38 ⁺ S9.1 ⁺ S9.1 ⁺ S9.1 ⁺ S9.1 ⁺ S9.1 ⁺ Second Secon	Basic breast cancer awareness	35.9	•	23.3	21.6	76.5	8.8	9.6	16	12.8	2.8	25.2
Cervical Cancer 1933 1933 1934 1946 1946 1947 1947 1947 1947 1947 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 1948 194	Screening: clinical breast exam	52.2				- 165	38⊦			- 1 65	59.1 -	51.5
tic acid 93.3 - 93.3				Ü	rvical Can	Ger						
Chronic Obstructive Pulmonary Disease- Chronic Obstructive Pulmonary Disease- It of	Visual inspection with acetic acid	93.3		93.3								93.3
tructive 389.5 0.0 384.7 22.4 26.5 18.8 19.6 19.2 cognition 414.7 44.3* 14.8* 14.8* 14.8* 15.3 18.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8			Chro	nic Obstru	ctive Puln	onary Di	sease					
tructive 389.5 - 177.7 - 36.7	Counselling on smoking cessation	25.4		26.5	22.4	26.5	8.8	9.6	9.2	12.8	12.8	22.6
tructive 389.5 - 180.5	Diagnosis and management of ambulatory cases	183.6		177.7		36.7		1			,	977
Sexual &Gender Based Violence (SGBV) Sexual &Gender B	Diagnosis and management of inpatient cases	80.5		180.5								80.5
Sexual &Gender Based Violence (SGBV) cognition 414.7 44.3* 44.3* 35.2* 44.3* 27.9* 29.4 27.9* 36.5* 14.8* 14.8* - 14.8* - - - with emergency 25.3 14.8* 14.8* - - - - es 228.3 14.8* 14.8* - 14.8* - - - - 73.1 14.8* 14.8* - 14.8* - - - - 210.2 14.8* 14.8* - - - - -	Subtotal of Chronic obstructive pulmonary disease	389.5	0.0	384.7	22.4	63.2	8.8	9.6	9.2	12.8	12.8	380.8
cognition 414.7 44.3" 44.3" 35.2" 44.3" 27.9" 29.4 27.9" 36.5" 14.8" 14.8" - 14.8" - 14.8" - 13.2" - 13.2" - 14.8" 14.8" 14.8" 14.8" - 14.8" - 13.2" - 14.8" 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 14.8" - 1			Sexu	al &Gende	r Based V	olence (S	GBV)					
36.5 ⁺ 14.8 ⁺ 14.8 ⁺ - 13.2 ⁺ - 14.8 ⁺ 14.8 ⁺ 14.8 ⁺ - 14.8	Case identification and recognition	414.7	44.3"	44.3"	35.2 "	44.3"	27.9	29.4 R	27.9	54.8	4 	50.3
es 228.3 14.8" 14.8" - 14.8" - - -	First-point counselling	36.5	4.8	4.8 E		4.8"				4.8	14.8	26.7
13.2 14.8 14.8 13.2	Prevention of pregnancy with emergency contraception	25.3	7.8	4.8		14.8"	1		,	21.8"	4.8	21.5
73.1 14.8" 14.8" - 14.8"	Treatment of minor injuries	228.3	4.8"	4.8"		32"	ı		ı	4.8"		40.7
73.1 14.8" 14.8"	Prophylaxis for STIs	80	4.8"	14.8		48"				4.8	8	122
7-00 C	Psychological support	73.						ı		4.8		60.4
	Medico-legal examination	219.2	4.8	4.8		ı	,		ı	4.8	48	67.7

Oost	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(ddns-8nap)	y and labou	r cost) in	вот ву а	elivery d	annels				Weighted
				۵	Delivery channels	annels					average
	H	MCWC	OHO.	EWC	S	8	Σ	SCIOR	CRHOO	PHCC	(BDT)
Subtotal of SGBV	1177.2	32.9	32.9	35.2	6101	27.9	29.4	27.9	150.4	1.8.1	9.629
	NCD	NCD Screening and Management Based on Total Risk Assessment	nd Manager	nent Base	ed on Tot	a Risk As	sessmen	,			
Screening for risk of CVD/diabetes	211.7		211.7	ı	39.7	27.9		29.4	96	96	92.2
Determine risk of CVD in next 10 years	29.5		28.3		26.5	9.3		9.6	29.5	29.5	27.6
Manage conditions and identify and refer complications (HTN, high total cholesterol, CVD, diabetes mellitus)	90.6	ı	90.6		90.6	1	ı		80.6	80.6	80.6
Subtotal of NCD screening and management based on total risk assessment	321.8		320.6		146.8	37.2		39.0	306.1	306.	300.4
			ď	Arsenicosis	ia.						
Counselling on the consumption of safe water	4.8		11.7	11.7	12.9	9.3∟	-8.6	9.6	4.3	4.3	9:11
Identify, treat skin conditions and refer	35.6		33.7						135.6	35.6	35.0
			Hyper	Hypertension (HTN)	(NE						
Promote healthy lifestyle for HTN and other NCD control	44.3		39.7		39.7	27.9	29.4	28.4	44.3	44.3	40.0
Diagnosis of HTN	358.9		358.9		29.5	18.6			358.9	358.9	287.0
Management of HTN	87001		87001		8'00				8'00	8.00	8.001
Lab follow-up of HTN cases	395.2		395.2	ı					395.2	395.2	395
Identify and refer CVD	28		85		13.2 %	9.3	9.3*		4.8 "	4,8 "	118.0
Subtotal of HTN	057.		052.6		83.3	55.9	38.7	28.4	913.9	913.9	940.9
		Family Pla	lly Planning & Reproductive Health (FP & RH)	productiv	e Health	(FP&R)	£				
			Pre-O	Pre-Conception Care	Care						
Pre-conception care	29.5	246	22.21	21.8	25.9	18.7	9.61	19.2	9.8	9.8	22.3
Tetanus toxoid for women of	29.8	28.5	26.7	26.4	28.5	24.		24.	20.5	20.5	26.4

Pre-conception core Sy3 S32 482 S44 428 1946 433 303 446 446 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419 419	88	Cost per service (drug-supply and labour cost) in BDT by delivery channels	(ddns-Snup)	y and labor	ur cost) in	BDT by	delivery of	nannels				Weighted
Sy3 S3.2 48.9 48.2 S4.4 42.8 19.6 43.3 30.3 Sy3 S3.2 48.9 48.2 S4.4 42.8 19.6 43.3 30.3 Family Planning (FP) Sy4 Sy4					•	elivery of	annels					average
Section Sect	Tree Tendencial Island	ᆷ	MCWC	OHO	FWC	OSC	8	<u>Μ</u> Ο	SCIOR	CRHCC	PHOO	(BDT)
59.3 53.2 48.9 48.2 54.4 42.8 19.6 43.3 30.3 Family Planning (FP) 25.4 24.5 20.2 21.1 9.8 24.4 26.9 24.4 24.4 24.4 24.4 24.4 24.4 21.3 10.9 13.4 10.9 10.9 10.9 10.9 10.9 7.8 41.9 44.4 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 44.4 41.9 41.9 - 41.9 41.9 41.9 38.8 41.9 44.4 41.9 41.9 - 41.9 41.9 41.9 38.8 291.9 312.5 294.1 285.1 10.7" 106.9 889.2 -	reproductive age (unit cost showed costing of one dose)											
Family Planning (FP) sily regimen 25.4° 24.6° 22.2° 21.8° 5.9° 19.7° 20.7 21.1° 9.8° 1.3° 1.3° 1.3° 1.3° 1.3° 1.3° 1.3° 1.3	Subtotal of Pre-conception care	59.3	53.2	48.9	48.3	54.4	42.8	9.6	43.3	30.3	30.3	48.7
ily regimen 244 246 222 188 59 197 207 2111 9.81 213 224 244 244 244 244 244 244 244 24.4 24.4 24.4 24.4 24.4 24.4 24.4 24.3 21.3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				Fami	ly Planning	(F)						
ily regimen 244 26.9 244 24.4 - 244 24.4 24.4 21.3 in regimen 24.4 4 1.9 1.0.9 1.0.9 1.0.9 1.0.9 7.8 in raceptive pill 41.9 41.4 41.9 41.9 41.9 41.9 41.9 41.9	FP counselling	25.4	24.6	22.2	21.8	5.9	16.7	20.7	21.1	9.8	9.8	20.8
10.9 13.4 10.9 10.9 10.9 10.9 7.8 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 1	Pill - standard daily regimen	24.4	26.9	24.4	24.4		24.4	24.4	24.4	21.3	21.3	24.0
proceptive pill 41.9 44.4 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.7 41.7 41.7 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5		10.9	13.4	6.01	6.01		6.01	6.0	6.01	7.8	7.8	9.0
op roveral) 47.7 51.8 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7 47.3 47.3 47.3 47.3 47.3 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.8		4 9	444	419	4		4 9	4	419	38.8	38.8	41.5
380-A IUD) 291.9 312.5 294.1 285.1 301.4 1001 10.7" 1691 1691 1691 1691 1691 1691 169		47.7	51.8	47.7	47.7		47.7	47.7	47.7	42.5	42.5	47.
ton 10,7" 1691 1691 - - - - - 1691 gion 10,7" 1106.9 889.2 - - - - - - 1008 n 10,7" 619.9 614.6 - - - - - - - - - - 1008 n 10,7" 619.9 614.6 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td></td> <td>291.9</td> <td>312.5</td> <td>294</td> <td>285</td> <td></td> <td></td> <td></td> <td></td> <td>301.4</td> <td>301.4</td> <td>2697</td>		291.9	312.5	294	285					301.4	301.4	2697
tion 107" 1106.9 889.2 - - - - - 1008 n 10.7" 679.9 614.6 - - - - - - 650.3 nmethods 167.6 3927.0 3614.1 410.0 - 124.9 124. 124.9 3761.4 smplications 10.7" 189.4 189.4 13.8" - 10.7" 10.7" 189.4 smplications 378.7 378.7 378.1 - 10.7" 10.7" 189.4 smplications 582.4 453.2.0 4204.4 823.6 5.9 164.6 167.3 4323.9 Management of Other Common Conditions Fy 164.6 167.3 43.23.9 43.5 I ulcer 63.9 54.9 23.6 25.9 21.2 - - 50 s and visual 8.9" 7" 8.9" 5.6" - - - - - - - </td <td>Implant - implanon</td> <td>10.7 [⊬]</td> <td>69</td> <td>69</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>69</td> <td>69</td> <td>5885</td>	Implant - implanon	10.7 [⊬]	69	69						69	69	5885
10,7% 679.9 614.6 - - - - - 650.3	Female sterilization	10.7 ×	6.901	889.2						800		828
methods 167.6 3927.0 3614.1 410.0 - 124.9 124.9 3761.4 Amplications 10.7" 189.4 13.8" - 10" 10.7" 189.4 378.7 378.7 378.1 - 10" 10.7" 189.4 189.4 Amplications 582.4 4532.0 4204.4 823.6 5.9 164.6 16.7.3 4323.9 Amplicativitis 582.4 4532.0 4204.4 823.6 5.9 164.6 167.3 4323.9 Amplicativitis 59.4 - 54.9 23.6 25.9 21.2 - - 50 Lulcer 63.9 - 55.2 - - - - 50 Land visual 8.9" 7" 8.9" 5.6" - - - 50 Amplicativitis - - 8.9" 5.6" - - - - - - - - -	Male sterilization	10.7 [⊬]	6469	614.6						650.3		2567
smplications 10.7" 189.4 13.8" - 10" 10.7" 189.4 189.4 13.8" - 10" 10.7" 189.4 189.4 378.7 378.7 378.1 - 10" 10.7 10.7" 189.4 Management of Other Common Conditions Eye Care Eye Care Land visual 8.9" 7" 8.9" - 43.5 Land visual 8.9" 7" 8.9" - - 8.9" Ear Ccare - 8.9" 9.3" 9.3" 9.2" 14.8"	Subtotal of FP methods	9.78	3927.0	3614.	410.0		24.9	9.	24.9	3761.4	2103	3336.2
378.7 391 378.7 378.1 - 10 ¹ 10.7 10.7 363.2 582.4 4532.0 4204.4 823.6 5.9 164.6 166. 167.3 4323.9 Management of Other Common Conditions Eye Care Eye Care	Management of FP complications	10.7"	89.4	89.4	13.8"	•	101	, 10 <u>.</u> 7	10.7 11	189.4	89.4	096
Fig. 164.6 164.6 165.3 164.6 165.3 164.6 165.3 164.6 165.3 164.3 164.6 165.3 164.3 164.6 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3 165.3	Menstrual regulation	378.7	391	378.7	378.		10	10.7 R	10.7 8	363.2	363.2	310.0
Management of Other Common Conditions Eye Care Eye Care of corneal ulcer 63.9 - 54.9 23.6 25.9 21.2 - 43.5 of corneal ulcer 63.9 - 55.2 - - - 50 f cataract and visual 8.9 " - 8.9 " 5.6 " - - 8.9 " n and referral of hearing 14.8 " - 14.8 " 11.7 " 13.5 " 9.3 " 9.2 " 14.8 "	Subtotal of FP	582.4	4532.0	4204.4	823.6	5.9	64.6	99	67.3	4323.9	2665.6	3762.9
Eye Care Eye Care of corneal ulcer 63.9 - 54.9 23.6 25.9 21.2 - 43.5 of corneal ulcer 63.9 - 55.2 - - - 50 f cataract and visual 8.9 ° - 8.9 ° - - 8.9 ° Ear Ccare n and referral of hearing 14.8 ° - 14.8 ° 11.7 ° 13.5 ° 9.3 ° 9.2 ° 14.8 °			Manag	ement of (Other Con	nmon Co	nditions					
of acute conjunctivitis 59.4 - 54.9 23.6 25.9 21.2 - 43.5 51.5 of corneal ulcer 63.9 - 55.2 50 5.0 f cataract and visual 8.9 ° - 8.9 ° 7 ° 8.9 ° 5.6 ° 8.9 ° 8.9 ° 11.7 ° 13.5 ° 9.3 ° 9.2 ° 14.8 ° 11.7 ° 13.5 ° 9.3 ° 9.2 ° 14.8 ° 14.8 ° 11.7 ° 13.5 ° 9.3 ° 9.2 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.8 ° 14.					Eye Care							
of corneal ulcer 63.9 - 55.2 5.6" - 50 Fortaing 14.8" 11.7" 13.5" 9.3" 8.9" 5.6" 14.8" 14.8" 11.7" 13.5" 9.3" 8.9" 14.8" 14.8"	Treatment of acute conjunctivitis	59.4		54.9	23.6	25.9	21.2			43.5	26.6	46.0
f cataract and visual 8.9" - 8.9" 7" 8.9" 8.9" Ear Ccare n and referral of hearing 14.8" 14.8" 11.7" 13.5" 9.3" 8.9" 9.2" 14.8"	Treatment of corneal ulcer	63.9		55.2						20	14.8	55.7
Ear Ccare	Detection of cataract and visual impairment	8.9 "	ı	8.9	718	8.6	5.6"			8.9	8.9	8.2
n and referral of hearing 14.8" - 14.8" 11.7" 13.5" 9.3" 8.9" 9.2" 14.8"					Ear Ccare							
	Identification and referral of hearing impairment	*8	1	4.8	П.7.	3.5*	9.3*	8.9 ¥	9.2 ^K	14.8	14,8 "	3.6

SCIOR GRIFCC PHCC - 59.6 45.2 - 59.6 45.2	Cost	per service	Cost per service (drug-supply and labour cost) in BDT by delivery channels	y and labou	ır cost) in	BDT by	elivery c	annels				Weighted
Diff MCWC OHC FWC OSC CC DOM SCION GRICC PHCC					•	elivery of	sannels					average
76.3	incervendon ilso	ᆷ	MCWC	ЭНО	FWC	oso	8	Σ Ο	SC/OR	CRHCC	PHOO	(BDT)
S2.1 ¹ S2.1 ¹ 11.7 ¹ 13.2 ¹ 9.3 ¹ 9.6 ¹	Management of otitis media	76.3		9.69	11.7 8	49.6	26.5			9.69	45.2	60.3
S2.1 ¹ S2.1 ¹ 11.7 ¹ 13.2 ¹ 9.3 ¹ 9.6 ¹					ental Car	9						
326.7 11.7 13.2	Promotion of oral hygiene	52	•	52.	11.7	13.2	93	-86	-96		•	42.0
72.9	Treatment of common dental diseases	326.7		326.7	11.7	13.2						300.3
Treatment of Common Skin Diseases Freatment of Common Skin Diseases Fig. 1738 75.6 75.1 -	Tooth extraction	729		72.9								72.9
96.7 91.5 73.8 75.6 75.1 - 94.4 94.4 360.2 360.2 360.2 501.5 - 499.7 11.7" 14.8" 5.6" 3.6" 435.6 44.3" 206 - 208.2 130.9 129.2 148.2 - 189.4 189.4 206 - 208.2 130.9 129.2 148.2 - 189.4 189.4 206 - 2045.4 14.26 144.0 153.7 3.6 5.6" 625.0 233.7 2046.1 - 2045.4 14.26 144.0 153.7 3.6 5.6" 625.0 233.7 2046.1 - 2045.4 14.26 144.0 153.7 3.6 5.6" 625.0 233.7 2046.1 - 2045.4 14.26 144.0 153.7 3.6 5.6" 625.0 233.7 206.2 - 206.2 66.5 68.7 -			Tre	atment of	Common	Skin Disc	sases					
3602	Treatment of common skin diseases	296		91.5	73.8	75.6	75.			84.4	84.4	88.3
360.2			_	Ē	ergency C	are						
SOI.5	Road traffic accident (stabilization and referral)	360.2		360.2								360.2
206 - 208.2 130.9 129.2 148.2 - 189.4 189.4 189.4 189.4 189.4 189.4 189.4 189.4 189.4 189.4 189.4 189.8 144.0 153.7 3.6 5.6 625.0 233.7 2046.1 2045.4 142.6 144.0 153.7 3.6 5.6 625.0 233.7 244.4 340.2 -	Drowning	501.5	,	499.7	П.7 в	48	5.68	3.6	2.6	435.6	44.3"	348.7
978.5 977.3 1.26 144.0 153.7 3.6 5.6 625.0 233.7 2046.1	First aid in minor injuries	206		208.2	30.9	29.2	148.2			89.4	89.4	190.2
2046.1 2045.4 142.6 144.0 153.7 3.6 5.6 625.0 233.7 344.4 - 340.2 -	Poisoning and snakebite	978.5	,	977.3							•	9778
Acher Communicable Diseases 344.4 - 340.2	Subtotal of Emergency care	2046.		2045.4	42.6	44.0	153.7	3.6	5.6	625.0	233.7	1877.0
Ashies 346.4 - 340.2			Ĭ	Other Con	nmunicab	e Disease	SS					
Ase 270.9 - 270 - 66.5 68.7	Hepatitis diagnosis and management	344.4		340.2								342.5
Ase 263.5 - 106.6 66.5 68.7	Typhoid diagnosis and management	270.9		270								270.5
Asse 263.5 - 263.5	Diarrhoea and dysentery	107.5		9.90	5.99	687	ı					104.5
Ase 263.5 - 263.5					Dengue							
67.3 - 67.3	Laboratory monitoring of suspected case	263.5		263.5								263.5
ent management 357.5 236.7	Outpatient department management	67.3		67.3								67.3
S post exposure prophylaxis (4 2402.1 - 14.8"	Inpatient management	357.5		236.7	ı	ı	ı	ı	ı	ı	,	290.7
s post exposure prophylaxis (4 2402.1 - 14.8"					Rabies							
	Rabies post exposure prophylaxis (4 dose)	2402.		8.	ı	ı		ı				789.6

APPENDIX D: OHT TREATMENT INPUTS AT UPAZILA HEALTH COMPLEX

Notes: Treatment inputs (only commodities) are provided only for the UHC; contact the icddr,b team for treatment inputs used in the OHT for other delivery channels.

* =No drugs/supplies cost is considered, only labour costs for counseling, promotion, assessment, or identification.

Expert opinion of duty physicians was considered for proportion of patients receiving specific aspect of treatment.

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
		Upazila Health Complex	olex					
		Maternal health						
		ANG						
Daily IFA supplementation								
Tab ferrous fumarate + folic acid	00	After 12 weeks' gestation until the end of pregrancy	_	_	183	83	2	411.8
Tab folic acid	00	First 3 months of pregnancy	_	2	06	80	0.27	48.6
Total cost								460,4
Identify and manage HTN in pregnancy	gnancy							
Tab methyldopa	20	Continue as necessary	_	4	7	28	וייז	7.2
Tab labetalol hydrochloride	80	Continue as necessary	_	2	7	4	<u>o</u>	112.4
Total cost								129.7
		Identify and manage pregnancy complications	omplications					
Anaemia during pregnancy								
Tab folk acid	09	a) Give ferrous sulfate or ferrous fumerate 120 mg daily by mouth + folic acid 800 mcg by mouth once daily for two months	_	_	7	7	0.27	-

Day	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
the folic acid 60 a) Give ferrous sulfate or ferrous fumerate 120mg daily by mouth + folic acid 800 mcg by mouth + folic acid 800 mcg by mouth the rous sulfate or ferrous fumerate 60 mg by mouth + folic acid 400 mcg by mouth + folic acid 400 mcg by mouth once daily for rest periods by mouth once daily for rest periods or haematocatic is less than 20% (severe anaemia) 20 If haemoglobin is less than 20% (severe anaemia) chaematocatic is less than 20% (severe anaemia) fiton 20 If temperature is more than 100°F II 20 If temperature is more than 100°F II 20 Continue as necessary II 21 Severeds, and continue II 22 Severeds, and continue II 23 Severeds, and continue II 24 Severeds, and continue II 25 Severeds, and continue II 26 Severeds, and continue II 27 Severeds, and continue II 28 Severeds, and continue II 29 Severeds, and continue II 20 Severeds, and continue II 20 Severeds, and continue II 20 Severeds, and continue II 21 Severeds, and continue II 22 Severeds, and continue II 23 Severeds, and continue II 24 Severeds, and continue II 25 Severeds, and continue II 26 Severeds, and continue II 27 Severeds, and continue II 28 Severeds, and continue II 29 Severeds, and continue II 20 Severeds, and continue II 20 Severeds, and continue II 20 Severeds, and continue II 21 Severeds, and continue II 22 Severeds, and continue II 23 Severeds, and continue II 24 Severeds II 25 Severeds, and continue II 26 Severed II 27 Severeds II 28 Severed II 29 Severeds II 20 Severed II 21 Severed II 22 Severed II 23 Severed II 24 Severed II 25 Severed II 26 Severed II 27 Severed II 28 Severed II 29 Severed II 20			 b) After two months, continue supplementation with ferrous sulfate or ferrous fumerate 60 mg by mouth + folic acid 400 mcg by mouth once daily for rest periods 						
20 If haemoglobin is less than 7 g/dL 1	Tab Ferrous fumarate + folic acid	09	a) Give ferrous sulfate or ferrous fumerate 120mg daily by mouth + folic acid 800 mcg by mouth once daily for two months. b) After two months, continue supplementation with ferrous sulfate or ferrous fumerate 60 mg by mouth + folic acid 400 mcg by mouth once daily for rest periods	_	2	_	4	7	18.9
, one unit 20 if haemoglobin is less than 7 g/dL I ry tract infection cy tract infection 25 Oral antibiotics I furoxime voscine butylbromide 5 Oral antibiotics I I riaxone sodium 10 2 gm IV/IM I I riaxone sodium 10 2 gm IV/IM I I rectamol 20 If temperature is more than 100°F I I tes 20 Continue as necessary I I etformin 5 If postprandial blood sugar level I minal pain 5 If postprandial blood sugar level I oscine butylbromide I0 Exceeds, and continue I racids I0 I I	Blood transfusion set	20	If haemoglobin is less than 7 g/dL or haematocrit is less than 20% (severe anaemia)	_	_	_	_	ω	9.
ry tract infection 25 Oral antibiotics I furoxime 5 Oral antibiotics I oscine butylbromide 5 2 gm IV/IM I racetamol 20 If temperature is more than 100°F I tess steriormin 20 Continue as necessary I etformin 5 If postprandial blood sugar level I minal pain 5 If postprandial blood sugar level I oscine butylbromide I0 I I tracids I0 I I	Blood, one unit	20	If haemoglobin is less than 7 g/dL or haematocrit is less than 20% (severe anaemia)	_	_	_	_	300	09
funcyime 25 Oral antibiotics I oscine butylbromide 5 Oral antibiotics I racetame butylbromide 10 2 gm IV/IM I racetamol 20 If temperature is more than 100°F I tes stes I I etformin 5 If postprandial blood sugar level I minal pain 5 If postprandial blood sugar level I oscine butylbromide 10 exceeds, and continue I tacids 10 I I	Urinary tract infection								
oscine butylbromide 5 If temperature is more than 100°F I racetamol 20 If temperature is more than 100°F I tess ceformin 20 Continue as necessary I etformin 5 If postprandial blood sugar level I minal pain 5 If postprandial blood sugar level I oscine butylbromide I0 I tracids I0 I	Tab cefuroxime	25	Oral antibiotics	_	2	7	4	76	92.3
riaxone sodium 10 2 gm IV/IM I racetamol 20 If temperature is more than 100°F I tes 1 I I etformin 5 If postprandial blood sugar level I minal pain 5 If postprandial blood sugar level I oscine butylbromide I0 I tacids I0 I	Tab hyoscine butylbromide	s .		_	m	m	σ.	9	2.7
tes etformin etformin etformin etformin sociale butylbromide lossine butylbromide	Inj ceftriaxone sodium	<u>o</u> 8	2 gm IV/IM	_	_ r	m	m 4	- 12	34.5
etformin 20 Continue as necessary	Diabetes	07	ii cemperature is more uran 100 r	-	7	n	o	-	g _O
minal pain oscine butylbromide 10 10 10 10 10 10 10 10 10 10 10 10 10	Tab metformin	20	Continue as necessary	_	2	7	4	(m)	7.5
10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	Insulin	S	If postprandial blood sugar level exceeds, and continue			m	m	69	10.3
butylbromide 10 I	Abdominal pain								
	Tab hyoscine butylbromide	<u>o</u>			m	m	6	9	5.4
	Tab antacids	01		_	м	7	2	_	9.

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
STIs								
Tab azithromycin	'n	For both infections, chlamydia infection and gonorrhea together	_	7	N	<u>o</u>	<u>8</u>	l.6
Test, VDRL	0	Investigations - VDRL test	_	_	_	_	20	2
Tab metronidazole	'n	Trichomoniasis	_	е	5	15	_	8.0
Cap clindamydin	2	Trichomoniasis	_	2	7	4	56	18.2
Tab chlorpheniramine	0		_	_	2	2	0	1.0
Inj ceftriaxone sodium	2	Gonorrhea	_	_	4	4	1115	32.2
Cream, fluconazole	N	For candidasis, local application for I 2 days	_	_	_	_	30	1.5
Tab flucorrazole	r.	For candidasis, systematic application, I tab once a week for 4 weeks	_	_	4	4	20	4
Total cost								307.7
Calcium supplementation for prevention and treatment of pre-eclampsia and eclampsia	evention and tr	eatment of pre-eclampsia and ec	ampsia					
Tab Calcium	001	From 20 weeks' gestation until the end of pregrancy, total daily dosage divided into three doses	_	m	9	420	_	294
Total cost								294
Tetanus toxoid (2 doses)								
Syringe, needle + swab	001		_	_	2	2	9	12
Tetanus toxoid, injection	001		-	ı	2	2	6	18
Total cost								30

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Syphilis detection and treatment								
Screening								
EDTA blood collecting vial	20	For taking blood sample	_	_	_	_	m	5.
Syringe, needle + swab	20	For taking blood sample	_	_	_	_	9	m
Test, VDRL	20		_	_	_	_	20	25
Gloves, disposable, sterile, pair + face mask	20		_	_	_	_	30	2
Treatment								
Syringe, needle + swab	25	For benzathine benzylpenicillin injection	_	_	4	4	9	9
Tab Azithromycin	20	Single dose twice a week for 3 weeks	_	_	9	9	<u>8</u>	54.8
Inj Benzathine penicillin	25	Single dose once a week for 4 weeks	_	_	4	4	24	23.5
Inj Ceftriaxone Sodium	25		_	_	7	7	IIS	201.2
Total cost								330.1
Other ANC including screening, diagnostic tests, and counselling for four ANC visits	diagnostic test	s, and counselling for four ANC	visits					
Identification/diagnosis of pregnancy								
Test, urine pregnancy	001		-	_	_	_	8	80
Ormalysis Text :::in-livin	9		-	_	-	-	00	oc.
HB estimation	3		-	-	-	-	3	24
Test, Hb estimation	001		_	_	_	_	30	30
Blood grouping-crossmatching and Rh typing	nd Rh typing							
Test, blood grouping, and cross matching	001		_	_	_	_	120	120
Test, Rh typing	00		_	_	_	_	20	20

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Blood sugar Test, blood sugar	001		_	-	_	-	09	09
Ultrasenogram Test, ultrasonogram Registration of premancytil	001		-	_	_	_	0	011
Information and counselling on complications of pregnancy*	ications of pregn	ancy th						
Obstetric and foetal assessment - maternal weight* Obstetric and foetal assessment - blood pressure measurement*	cernal weight* od pressure mea	surement*						
Obstetric and foetal assessment - oedema*	Jema*							
Obstetric and foetal assessment - foetal heartbeat	tal heartbeat*							
Birth preparedness plan* External version after 36 weeks*								
Total cost		Į.						200
Micronutrient supplements (vitamin B comple	min B complex))						
Tab vitamin B Complex Total cost	001	Continue as necessary	_	2	30	09	0.44	26.4
Identify and refer obstetric emergencies	gencies	Normal delivery						
General								
Cotton swab	30	To apply antiseptic	_	_	_	_	0.29	0.1
Gloves, disposable, sterile, pair + face mask	30	Gloves	_	2	_	2	30	8
IV giving/infusion set, with needle	20			_	_	_	5	_
Cannula, IV, sterile, disposable	20		_	_	_	_	95	6

⁸⁴No drug supplies cost is considered, only labour cost for counselling, promotion, assessment, or identification is considered.

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDII) (2016)
Antiseptics solution (.5% chlorhexidine/chloroxylenol/ iodopovidone)	20		_	_	_	_	36	3.6
Bag, urine collecting	20	To monitor urine output	_	_	_	_	22	5
Foley's catheter	20	To monitor urine output	_	_	_	_	228	45.6
Syringe, needle + swab	s		_	_	_	_	9	0.3
If shock, hypertension, or heavy bleeding	pleeding							
Hartmann's solution	30	Infuse I liter in 15-20 minutes, then I liter in 30 minutes	_	_	_	_	02	21
If heavy bleeding								
Inj oxytodin	25	In case of inevitable abortion, if pregnancy is greater than 16 weeks, may infuse oxytocin to enhance evacuation	_	_	_	_	87	21.7
Inj ceftriaxone sodium	25		_	_	_	_	511	28.7
Inj methergine (methylergonovine)	20		_	_	_	_	<u>8</u>	2.6
Tab misoprostol	'n	400 mcg by mouth or vaginally	_	_	_	_	2	0.7
If severe pre-eclampsia or eclampsia	psia							
Inj magnesium sulfate	25	4g (20ml of 20% solution) IV over 20 minute	_	_	_	_	20	s
Hartmann's solution	25	l liter in 6-8 hours	_	_	_	_	20	17.5
Antibiotics for complete/septic abortion	bortion							
Inj gentamidin	12	80mg IM every 8 hours	_	_	_	_	œ	1.2
Inj metronidazole	15	500mg IV every 8 hours	_	_	_	_	82	12.7
Inj ampicillin	2	IV 2 gm stat, then 500mg every 6 hours	_	_	_	_	22	3.3
Investigation								
Test, Hb estimation	2	If not done before	_	_	_	_	30	5.1

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Test, blood grouping and cross matching	20	If not done before	-	_	_	-	20	7.5
Test, Rh typing	2	If not done before	_	_	_	_	20	2.5
Test, ultrasonogram	2	As necessary	_	_	_	_	0	5.5
Test, x-ray	2	Abdomen erect posture	_	_	_	_	2	3.5
Total cost								227.7
Management of premature rupture of membr	are of membrai	anes						
Normal saline IV solution	8	Drip continue up to delivery	_	_	_	_	32	32
IV giving/infusion set, with needle	8		_	_	_	_	2	2
Inj amikacin	<u>00</u>	To prevent intra amniotic infection and continue as necessary	_	m	v	2	30	450
Inj clindamycin	20	If a cesarean delivery is required, anaerobes play a prominent role in post-partum endomyometritis, and clindamycin and metronidazole should be added to the regimen	_	m	m	σ.	40	72
Inj metronidazole	20	If a cesarean delivery is required, anaerobes play a prominent role in post-partum endomyometritis, and clindamycin and metronidazole should be added to the regimen	_	m	m	6	82	152.8

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Inj magnesium sulfate	<u>S</u>	Tocolytic agents do not appear to markedly prolong the length of gestation, but they may delay delivery in some women for at least 48 hours and provide a window for transporting the patient to a regional subspecialty obstetric center and administering antenatal corticosteroid therapy	_	_	_	_	20	m
Tab nifedipine	30	Calcium channel blocker	_	2	2	0	(m)	σ
Inj oxytocin	25	Oxytodin antagonists,	_	_	_	_	87	21.7
Tab paracetamo	<u>8</u>	Non-steroidal anti-inflammatory drugs	_	2	m	9	_	4.2
Test, ultrasonogram	001	To confirm gestational age and to assess the presence of any congenital anomalies	_	_	_	_	011	0
Total cost								859.8
Normal labour and delivery (facility)	lky)							
Conduct normal delivery								
Clean delivery kit	001	Soap, plastic sheeting, razor blade, umbilical tape, cotton wrap for newborn	_	_	_	_	09	09
Gloves, disposable, sterile, pair + face mask	8	Examination	_	_	_	_	30	30
Tab paracetamol	8	Pain management after delivery	_	m	m	6	_	6.3
Cap amoxicillin	001	To prevent infection	_	m	7	2	2	110.5
Episiotomy								
Inj lignocaine hydrochloride	01		_	_	_	_	40	4

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Blade, surgical, sterile, disposable Personal and obstetric history ^{C4}	0		-	-	-	-	70	2
Monitor labour progression/partograph*	ph*							
Bi-manual compression to stop uterus atomy*	s atomy*							
Examination - foetal position*								
Examination - foetal heartbeat*								
Total cost								212.8
Active management of the 3rd stage of labou	tage of labour							
Controlled cord traction								
Inj oxytodin	40	To induce contraction of uterus, IM, 10 units	_	_	_	_	87	34,8
Syringe, needle + swab	9	For oxytocin injection after delivery	_	_	_	_	9	2.4
Inj ergometrine	0	0.2 mg IM	_	_	_	_	4	6.4
Misoprostol shortly after birth								
Tab misoprostol	20		_	_	_	_	15	7.5
Total cost Antenatal corticosteroids for preferm labour	sterm abour							45.
Inj dexamethasone	<u>00</u>	6 mg IM and repeat every 12	-	_	4	4	6	36.2
IV giving/infusion set, with needle	<u>00</u>	hours for total of four doses	_	_	_	_	2	2
Normal saline IV solution	<u>00</u>		_	2	4	œ	32	256
Total cost								297.2
Induction of labour (beyond 41 weeks)	9							
Inj oxytodin	00]	1/2 ample start monitoring, 6-10 drops per minutes	_	_	_	_	87	87
Cannula, IV, sterile, disposable	001		_	_	_	_	95	95.2

CaNo drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
IV giving/infusion set, with needle IV fluid dextrose in water	8 8			_ -	_ -	_ -	32	32
Total cost	!							219.2
Management of eclambsia								!
General management								
Normal saline IV solution	80		_	_	_	_	32	25.6
Inj Magnesium sulfate	90	4g magnesium sulfate solution by IV over five minutes, and followed promptly with 6g magnesium sulfate solution: give 2.5 g in each buttock as a deep IM injection	_	m	_	m	20	48
Tab labetalol hydrochloride	02	If diastolic pressure rises to 95 and remains above 110 mm Hg, start anti-hypertensive tab	_	2	7	4	01	98.4
Tab methyldopa/alpha methyldopa	<u>o</u>	If diastolic pressure rises to 95 and remains above 110 mm Hg, start anti-hypertensive tab 250 mg and continue as necessary	_	м	7	21	1-1	6.5
Inj furosemide	25	Auscultate the lung bases hourly for rales indicating pulmonary edema; if crepitation is heard, withhold fluids and give frusemide 40 mg IV once	_	_	_	_	œ	6
Management during a convulsion								
Oxygen, 1000 liters, primarily with oxygen cylinders	20	Oxygen at 4-6 L per minute	_	_	_	_	89	33.7

Drugs/Supplies	Percent received aspect of	Note	Number of units	Times	Days	Units	Unit cost	Cost per average case (BDT)
	treatment			day	case	Case		(2016)
Inj magnesium sulfate	20	4g magnesium sulfate solution by IV over five minutes, and followed promptly with 6g magnesium sulfate solution: give 2.5 g in each buttock as a deep IM injection	-	m	-	m	20	12
Others								
IV giving/infusion set, with needle	8		_	_	_	_	s	2
Cannula, IV, sterile, disposable	00		_	_	_	_	9.2	95.2
Foley's catheter	08	Catheterize the bladder to monitor urine output and proteinuria	_	_	_	_	228	182.4
Bag, urine collecting	80	Catheterize the bladder to monitor urine output and proteinuria	_	_	_	_	52	20
Test, urinalysis	8		_	_	_	_	20	20
Total cost								548.7
Neonatal resuscitation (institutional)	(lau							
If heart rate is less than 60 beats/min, and when CPR	and when CPR fo	for 3 consecutive times does not work						
Inj adrenaline (epinephrine)	20	I:1000 soln: mix I ml with 9 ml of distilled water to make a I:10,000 dilution. Give 0.1 - 0.3 ml/kg IV. If heartrate is still < 60/min.	_	_	_	_	25	125
IV fluid dextrose in water	20	Injectable dextrose 10%: give 2-4 ml/kg IV	_	_	_	_	32	91
Total cost								28.5
Obstetrical emergencies								
Management of pre-eclampsia								
General management								
Normal saline IV solution	00		_	_	_	_	32	32

Dr ugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Inj magnesium sulfate	001	4g magnesium sulfate solution by IV over five minutes, and followed promptly with 6g magnesium sulfate solution; give 2,5 g in each buttock as a deep IM injection	-	r.	_	m	20	09
Tab Labetalol hydrochloride	70	If diastolic pressure rises to 95 and remains above 110 mm Hg. start anti-hypertensive tab	_	2	7	4	0	98.4
Tab methyldopa/ alpha methyldopa	20	If diastolic pressure rises to 95 and remains above 110 mm Hg, start anti-hypertensive tab 250 mg and continue as necessary	_	m	7	21	m	12.9
Inj furosemide	20	Auscultate the lung bases hourly for rales indicating pulmonary edema; if crepitation is heard, withhold fluids and give frusemide 40 mg IV once	-	_	_	_	80	9'
Other management								
IV giving/infusion set, with needle	80		_	_	_	_	2	4
Syringe, needle + swab	20		_	_			9	.2
Cannula, IV, sterile, disposable	00		_	_	_	_	9.2	95.2
Foley's catheter	001	Catheterize the bladder to monitor urine output and proteinuria	_	_	_	_	228	228
Bag, urine collecting	001	Catheterize the bladder to monitor urine output and proteinuria	_	_	_	_	25	25
Test, urinalysis	00		_	_	_	_	20	20
Total cost								578.3

tt with needle 100 For drip separtum hemorrhæge rdeilvery del Uterus contracting drug rdeilvery del To restore blood volume retry ge 1 1 1 1 ge Hot done previously retry ge 80 Urine collection ge 80 Control of unine output ge 70 HHB < 7g/dL (severe anaemia), set 20 HHB < 7g/dL (severe anaemia), set 50 For oxytocin injection first 3 months nassisted vaginal delivery, blood transfusion) ennorrhage nassisted vaginal delivery, blood transfusion) ennorrhage	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
et, with needle 100 In 100 Ist-partum hemorrhage r delivery 60 20 thylergonovine) 80 od count 5 ng and cross 5 ng and cross 5 et, with needle 80 wab 20 set 20 set 4 folic acid 10 rte + folic acid 10 remorrhage 30 n 30 n 30	Management of obstructed labour	Ŀ							
of count 5 refelivery 60 cthylergonovine) 80 od count 5 ng and cross 5 nemt 80 et, with needle 80 wab 80 vab 10 set 70 set 70 od count 5 nemt 80 assisted vaginal delivery, blood transmirthage 10 od count 10 set 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery, blood transmirthage 10 od count 10 assisted vaginal delivery 10 od count 10 od count 10 assisted vaginal delivery 10 od count 10 od count 10 assisted vaginal delivery 10 od count 10 od count 10 assisted vaginal delivery 10 od count 10	IV giving/infusion set, with needle	00	For drip	_	_	_	_	2	2
od count 5 ng and cross 5 nent 80 od count 5 ng and cross 5 nent 80 od count 5 ne + with needle 80 vab 20 set 20 set 20 set 20 set 20 od obstetric care (management assisted vaginal delivery, blood transmorthage and set assisted vaginal delivery, blood transmorthage assisted vaginal delivery blood transmorthage assisted vagi	Hartmann's solution	00	To preload and avoid hypotension	_	_	_	_	20	20
st-partum hemorrhage r delivery 60 cthylergonovine) 80 od count 5 ng and cross 5 nemt 80 et, with needle 80 wab 80 set 20	Total cost								75
r delivery 60 20 20 20 20 20 20 20 20 20 20 20 20 20	Treatment of post-partum hemor	rrhage							
thylergonovine) 60 20 20 20 20 30 and cross 5 and and cross 5 and cross 6 and	Immediately after delivery								
thylergonovine) 20 an od count 5 ng and cross 5 nert 6 g 80 et, with needle 80 set 20 set 70 set 4 folic acid 10 assisted vaginal delivery, blood tracement 6 n 30 n 30	Inj oxytocin	09	Uterus contracting drug		_	_	_	87	52.2
ethylergonovine) 80 and cross 5 ng and cross 5 nerit	Tab misoprostol	20	Uterus contracting drug	_	_	_	_	2	м
od count 5 ng and cross 5 nent 80 et, with needle 80 wab 80 vab 10 set 20 set 20 yet + folic acid 10 set 20 assisted vaginal delivery, blood transmirrhage 10 nn 30	Inj methergine (methylergonovine)	80		_	_	_	_	m	10.4
od count 5 ng and cross 5 nent 80 g 20 et, with needle 80 vab 80 vab 10 set 20 set 20 yet + folic acid 10 assisted vaginal delivery, blood transferring 60 nn 30 nn 10	Hartmann's solution	80	To restore blood volume		_	_	_	20	26
od count 5 ng and cross 5 nert 80 g 20 et, with needle 80 vab 80 vab 80 ite + folic acid 10 ite + folic acid 10 assisted vaginal delivery, blood transferring 60 nn 30 nn 10	Investigation								
ng and cross 5 nent g 20 g 20 et, with needle 80 wab 20 set 20 ric + folic acid 10 ry obstetric care (management assisted vaginal delivery, blood transmirrhage no 30 n 30	Test, complete blood count	5	If not done previously		_	_	_	20	7.5
rent 80 20 20 20 wab 80 set 20 set 70 is a folic acid 10 set 60 obstetric care (management assisted vaginal delivery, blood tracement assisted vaginal delivery assisted vaginal deliver	Test, blood grouping and cross	5	If not done previously	_				20	7.5
et, with needle 80 wab 20 set 20 set 20 your + folic acid 10 set 20 your obstetric care (management assisted vaginal delivery, blood tracement and and the set 30 n 30	Other management								
et, with needle 80 wab 20 set 20 set 20 set 20 set 20 set 20 set 20 nte + folic acid 10 assisted vaginal delivery, blood transporter assisted wagenent assisted vaginal delivery, blood transporter assis	Bag, urine collecting	80	Urine collection	_	_	_	_	25	20
set with needle 80 wab 80 set 20 set 20 set 50 is a + folic a + fo	Blood, one unit	20	Blood transfusion in case of heavy blood loss	2	_	_	2	300	120
wab 80 wab 20 set 20 set 50 ite + folic acid 10 sassisted vaginal delivery, blood tracement 30 nn 30	Foley's catheter	80	Control of urine output	_	_	_	_	228	82.4
wab 80 set 20 set 4 folic acid 10 sy obstetric care (management assisted vaginal delivery, blood tracem of the control of t	IV giving/infusion set, with needle	80	For IV drip	_	_	_	_	2	4
set 20 ite + folic acid 10 Sy obstetric care (management assisted vaginal delivery, blood transmorrhage 30	Syringe, needle + swab	80	For oxytocin injection	_	_	_	_	9	4.8
set 20 ite + folic acid 10 cy obstetric care (management assisted vaginal delivery, blood transmorrhage 30 in 30	CPD blood bag	20		_	_	_	_	09	12
ste + folic acid 10 Sy obstetric care (management assisted vaginal delivery, blood transfer on 30	Blood transfusion set	20		_	_	_	_	00	9
Sy obstetric care (management assisted vaginal delivery, blood traemorrhage	Tab ferrous fumarate + folic acid	0	If HB < 7g/dL (severe anaemia), first 3 months	2	_	7	4	2	3.2
Sy obstetric care (management assisted vaginal delivery, blood traemorrhage 30	Total cost								484,6
nn 30 1 1 1 1 1 1 1 1 1	Other emergency obstetric care (and cervical tears, assisted vaginal deliv	(management of very, blood trans	ante-partum haemorrhage, prolapsed fusion)	cord, shoulde	er dystocia,	remova	of retains	ed product	s, repair vaginal
n 30 1 1 1 1	Ante-partum haemorrhage								
15 4 7	Hartmann's solution	30		_	_	_	_	0/	2
7	Inj tranexamic acid	15		_	4	2	œ	64	76.8

15 15 16 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 1	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Sterile, disposable 30 30 1 1 1 1 5 5 Bien set, with needle 30 30 30 30 30 30 30 Bien set, with needle 30 30 30 30 30 30 30 3	or in the second second	2		-	c	~	7	2	1035
Itin 30 30 30 30 30 30 30 3	III) Celci lavorie sociali	<u> </u>		-	7	, 1	,	2	2
Stanfact disposable 30 1 1 1 5 5	Cap amoxicillin	30		_	m	7	2	5	33
Sign set, with needle 30	Cannula, IV, sterile, disposable	30		_	_	_	_	56	28.6
lie + swab 30	IV giving/infusion set, with needle	30		_	_	_	_	S	<u></u>
Particle of Schoulder dystocia 30	Syringe, needle + swab	30		_	_	_	_	9	<u>@</u>
Solution 30 1 1 1 1 1 1 1 1 1	Management of shoulder dystoci	e							
Sterile, disposable 20 For episiotomy 1 1 1 70	Inj oxytocin			-	_	_	_	87	26
Sterile, disposable 20 For episiotomy 1 1 1 20	Hartmann's solution	30		_	_	_	_	20	2
Phydrochloride	Blade, surgical, sterile, disposable	20	For episiotomy	_	_	_	_	20	4
Pretained products 20 1 1 1 30 50	Inj lignocaine hydrochloride	20		_	_	_	_	40	œ
Fretained products 30 Drip 4 hourly 1 1 1 30 30 Solution 30 Drip 4 hourly 1 1 1 1 1 1 1 1 1	Manual removal of placenta								
Fretained products	Gloves, disposable, sterile, pair+	20						30	9
Fretained products 30	face mask								
30 Drip 4 hourly 1 1 1 1 70	Removal of retained products								
Solution 30 Drip 4 hourly 1 1 1 70	Inj oxytocin	30		_	_	_	_	87	26
nal and cervical tears I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	Hartmann's solution	30	Drip 4 hourly	_	_	_	_	20	2
nal and cervical tears Nepair of tears and lacerations 1 1 1 100 re with needle and 30 Sedation 1 1 1 1 3 shydrochloride 30 Local anaesthesia 1 1 1 1 10 ginal delivery 30 Local anaesthesia 1 1 1 1 30 30 sable, sterile, pair + 25 For episiotomy 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1<	Inj methergine (methylergonovine)	2		_	_	_	_	<u>~</u>	2
Sepair of tears and lacerations	Repair vaginal and cervical tears								
Sedation 1 1 3 3 3 3 3 3 3 3	Surgical suture with needle and thread	30	Repair of tears and lacerations	-	_	_	_	8	30
Single Continue	Inj diazepam	30	Sedation	-	_	_	_	m	6.0
ginal delivery 1 1 1 10 osable, sterile, pair + sterile, disposable 25 1 1 1 1 30 1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inj lignocaine hydrochloride	30	Local anaesthesia	_	_	_	_	40	12
air + 25 I I I I 30 sable I5 For episiotomy I I I 40	Inj pethidine	30	Local anaesthesia	_	_			<u>o</u>	m
sair + 25 I I I 30 sable I5 For episiotomy I I I 40	Assisted vaginal delivery								
sable 15 For episiotomy 1 1 1 15 For enisiotomy 1 1 1	Gloves, disposable, sterile, pair + face mask	25		_	_	_	_	30	7.5
S For enisiotomy	Blade, surgical, sterile, disposable	15	For episiotomy	_		_	_	70	3
	Inj lignocaine hydrochloride	15	For episiotomy	_		_	_	40	9

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Blood transfusion set	20		_	_	_	_	œ	9.
Blood, one unit	20		_	_	_	_	300	09
CPD blood bag	20		_	_	_	_	09	12
Test, blood grouping and cross matching	70		_	_	_	_	150	30
Management of prolapsed cord								
Total cost								546.5
		Caesarean section						
Inj oxytodin	<u>8</u>		2	_	_	2	87	74
Inj pethidine	8		_	_	_	_	<u>o</u>	0
Inj omeprazole	<u>8</u>		_	_	_	_	96	8
Inj atropine sulphate	00		2	_	_	2	5	6.6
Hartmann's solution	20		2	_	2	4	70	40
Suppository, diclofenac	20		_	_	_	_	7	3.4
Inj ketorolac tromethamine	<u>8</u>		_	_	_	_	22	55
Inj metronidazole	<u>8</u>		_	m	2	9	82	509.4
Cap cefixime	8		_	2	7	4	7	86
Cap omeprazole	<u>8</u>		_	2	7	4	2	28
Inj ephedrine sulfate	30		_	_	_	_	12	3.6
Inj ondansetron	30		_	_	_	_	12	4.5
Inj tranexamic acid	30		_	_	_	_	64	19.2
Inj dexamethasone	30		_	_	_	_	6	2.7
Inj methergine (methylergonovine)	2		_	_	_	_	3	2
inj nalbuphine hydrochloride	12		_	_	_	_	09	6
Inj dopamine (intropin)	2		_	_	_	_	45	6.7
Tab ketorolac tromethamine	20		_	2	2	0	0	20
Tab aceclofenac	0		_	2	2	0	_	Ξ

	Percent			İ				Cost per
Drugs/Supplies	received aspect of treatment	Note	Number of units	Times per day	Days per case	Units Per case	cost (BDT)	average case (BDT) (2016)
Tab paracetamo.	20		-	2	2	0	_	4.9
Inj ceftriaxone sodium	30		_	2	_	2	IIS	69
Inj promethazine hydrochloride (phenergan)	<u>8</u>		_	_	_	_	2	2
Inj magnesium sulfate	20		_	_	_	_	20	4
Tab misoprostol	5		_	_	_	_	2	0.7
Spinal anaesthesia set	00		_	_	_	_	8	06
Syringe, needle + swab	<u>8</u>		_	_	_	_	9	9
Blade, surgical, sterile, disposable	8		_	_	_	_	70	20
Gloves, disposable, sterile, pair + face mask	8		_	_	_	_	30	30
Surgical suture with needle and thread	<u>8</u>		_	_	_	_	8	00
Inj lidocaine HC.	00		-	_	_	_	80	<u></u>
Test, blood grouping and cross matching	<u>8</u>		_	_	_	_	20	150
Test, complete blood count	00		-	_	_	_	20	120
Test, Hb estimation	00		_	_	_	_	30	30
Test, ultrasonogram	<u>8</u>		_	_	_	_	0	011
Test, serum creatinine	40		_	_	_	_	20	20
Test, blood sugar	<u>8</u>		_	_	_	_	09	09
Inj hydrocortisone	0		-	_	_	_	48	4.8
Antiseptic solution (0.5% chlorhexidine/chloroxylenol/ iodopovidone)	<u>8</u>		_	_	_	_	36	<u>80</u>
Test, X-ray	0		_	_	_	_	02	7
Medical and surgical bandage	00		_	_	_	_	8	00
Foley's catheter	8		_	_	2	2	228	456
								١

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Bag, urine collecting	00		_	_	2	2	25	20
DNS IV fluid	20		2	_	2	4	32	64
Tab metronidazole	00		_	2	2	0	_	=
Total cost								2761.9
		PNC						
Maternal sepsis case management	Ŧ							
Mild to moderate								
Cap amoxicillin	9	500mg 3 times daily until 7 days of treatment completed	_	m	7	21	2	9.9
Cap flucloxacillin	9		_	4	7	28	6	9.5
Severe								
Inj ceftriaxone sodium	2	Followed by oral antibiotics	_	2	m	9	IIS	34.5
Inj amikadin	2		_	3	2	15	30	22.5
Other								
Gloves, disposable, sterile, pair + face mask	12	0	_	_	_	_	30	3.6
Tab paracetamo	12	0	_	m	m	6	_	0.8
Test, complete blood count	12	0	_	_	_	_	20	8
Surgical suture with needle and thread	5		_	_	_	_	00	5
Gauze pad, 10×10 cm, sterile	12		_	_	_	_	12	4
Medical and surgical bandage	12		_	_	_	_	00	12
IV giving/infusion set, with needle	2		_	_	_	_	2	0.3
Normal saline IV solution	5		_	_	_	1	32	9"
Total cost								121.8

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Other PNC (counselling, postnatal clinical hist	al clinical histo	ory, identification and management of postnatal complications)	nt of postna	tal compl	cations)			
Counselling on postnatal care								
Tab ferrous fumarate + folic acid	00]		_	_	06	%	2	202.5
Identification and management of postnatal complications – anaemia	f postnatal cor	nplications – anaemia						
Blood, one unit	2	Moderate case: 2 bags	_	2	м	9	300	06
Blood transfusion set	2	Moderate case	_	_	м	m	89	1.2
Test, Hb estimation	0		_	_	_	_	30	m
CPD blood bag	2		_	_	_	_	09	m
Tab ferrous fumarate + folic acid	<u>o</u>	a) Give ferrous sulfate or ferrous fumerate 120 mg daily by mouth + folic acid 800 mcg by mouth once daily for two months. b) After two months, continue supplementation with ferrous sulfate or ferrous fumerate 60 mg by mouth + folic acid 400 mcg by mouth once daily for rest of the period	_	7	_	4	2	3.2
Tab folic acid	<u>o</u>	a) Give ferrous sulfate or ferrous fumerate 120 mg daily by mouth + folic acid 800 mcg by mouth once daily for two months, continue supplementation with ferrous sulfate or ferrous fumerate 60 mg by mouth + folic acid 400 mcg by mouth once daily for rest periods	_	_	7	7	0.27	0.2

Drugs/Supplies	Percent received	Note	Number	Times	Days	Units	Unit	Cost per average
	treatment			day	case	case	(BDT)	(2016)
Early management of obstetric fistula	stula							
Cap amoxicillin	5		_	m	7	2	2	5.5
Postnatal clinical history								
Total cost								308.6
		Neonatal health						
mmediate newborn care								
Chlorhexidine								
7.1% chlorhexidine digluconate	8		_	_	_	_	0	0
Total cost								0
mmediate newborn care								
Clean cord cutting and tying								
Gloves, disposable, sterile, pair +	8		_	_	_	_	30	30
face mask								
Blade, surgical, sterile, disposable	00		_	_	_	_	20	20
Promotion of essential newborn care practice and newborn danger signs for early care seeking ⁴⁰	practice and new	born danger signs for early care seek	ing*D					
Prevention and management of hypothermia*	hermia*							
Identification of breathing problems*								
Prevention of newborn conjunctivitis*	<u></u>							
Identification of LBW babies*								
Special care of pre-term and LBW neonate*	₩ neonate*							
Total cost								20
Newborn care after delivery								
Newborn care after delivery								
Birth registration**								
Weighing, temperature management*								
Identification of sepsis*								
Identification of omphalitis*								
dentification of neonatal jaundice*								

DINo drug supplies cost is considered, only labour cost for counselling, promotion, assessment, or identification EINo drug supplies cost is considered, only labour cost for counselling, promotion, assessment, or identification

e care	blems*	or units	day	per	case	(BDT)	case (BDII) (2016)
e care							
e care							
e care							
		_	_	_	_	7	7
	Infuse normal saline 10 mVkg over 5-10 minutes, if perfusion is poor as evidenced by capillary refill	_	_	_	_	32	11.2
	time of more than 3 seconds. Repeat the same dose 1-2 times over the next 30-45 minutes, if						
	perfusion continues to be poor.	•					
	Infuse glucose (10%) 2 ml/kg stat.			_	_	32	32
	Inject vitamin K I mg intramuscularly	_	_	_	_	26	26.2
Oxygen, 1000 liters, primarily with 35 oxygen cylinders	Start oxygen by hood or mask, if cyanosed or grunting	_	_	_	_	89	58.9
Total cost							135.4
Newborn sepsis - injectable antibiotics							
Inj gentamidin 100	5 mg/kg/day in single dose for total 7 days	_	_	7	7	80	25
in water			_	2	2	32	54
Butterfly needle		_	_	2	2	,	35
Inj ampicillin	50 mg/kg/dose	_	2	7	4	22	308
Other Meonatal emergencies							403.9
Management of breathing problems							
Oxygen, 1000 liters, primarily with 30 oxygen cylinders	Repeat as necessary	_	_	-	_	89	50.5
Management of omphalitis							
oxicillin	Thrice a day for 7 days	-	_	_	_	6	3.7
Antiseptics solution (0.5% 25	For dressing	_	_	_	_	36	4.5

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
chlorhexidine/chloroxylenol/ iodopovidone)								
Butterfly needle	25		_	_	m	m	7	5.3
Suspension, paracetamol	70	In case of fever and pain twice daily for 3 days	_	_	_	_	20	4
Gauze pad, 10×10 cm, sterile	25	For dressing	_	_	_	_	12	2.9
Test, complete blood count	25	Investigation	_	_	_	_	20	37.5
Test, х-гау	'n	Supportive investigations (if respiratory distress or abdominal distention)	_	_	_	_	70	3.5
Test, serum bilirubin	2		_	_	_	_	09	m
Inj ampicillin	25	Specific management: 50 mg/kg/dose every 12 hourly if age is less than or equal to 7 days; thrice a day if age is more than 7 days	_	2	7	4	22	77
Inj gentamicin	25	Specific management: 5 mg/kg once daily for 7 days	_	_	7	7	œ	14.2
Oxygen, 1000 liters, primarily with oxygen cylinders	'n	Supportive management if required	_	_	_	_	89	8.4
Normal saline IV solution	0	Supportive management: fluid bolus: if there is poor peripheral perfusion (capillary refill time >3 sec), give normal saline 10 mUkg IV bolus; the same vol. can be repeated; continue maintenance fluids	_	_	_	_	32	3.2
Management of LBW babies								
Normal saline IV solution	40	Repeat as necessary	ı	_	_	_	32	12.8
Management of neonatal jaundice								
Inj. konakion	30	Oral administration in case of pathologic jaundice	_	_	ю	м	26	23.6
Total cost								254.2

	(
Drugs/Supplies	received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
		Child health and EPI						
	Inte	Integrated Management of Childhood Illnesses (IMCI)	d Innesses (Ω				
Oral rehydration solution								
Oral rehydration solution, sachet	<u>8</u>	No dehydration, mild dehydration, persistent diarrhoea, dysentery	_	m	_	m	m	9.4 4
Total cost								8.4
Zinc								
Tab zinc sulphate	<u>00</u>	Mild dehydration, persistent diarrhoea, dysentery	_	_	m	ю	2	4.9
Total cost								4.9
Antibiotics for treatment of dysentery	entery							
Dysentery								
Syrup ciprofloxacin	20	Shigellosis: I spoon twice daily for five days	_	_	_	_	80	39.8
Syrup. metronidazole	20	Aemoebic dysentery: 1 spoon thrice daily for 5 days	_	_	_	_	29	14.5
Total cost								54.3
Treatment of severe diarrhoea								
Severe dehydration								
Inj cholera saline	80		_				32	25.6
Suspension, azithromycin	30	I spoon once daily for 5 days		_	_	_	84	25.3
IV infusion set, with needle	80		_	_	_	_	S	4
Oral rehydration solution, sachet	001		_	3	2	2	3	42
Tab azithromycin	30		_	_	2	2	00	27.4
Total cost								24.4
Pneumonia treatment								
Cap amoxicillin	0		_	m	2	2	2	7.9
Inj. amoxicillin	30		_	3	2	12	25	112.5
Syrup salbutamo.	80	Thrice a day for 5 days	_	_	_	_	9	12.4
Suspension, paracetamol	00	Twice time for 3 days	_		_	_	20	20

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Nebuliser solution, salbutamo	50	Continue as necessary	-	_	_	_	6	18.1
IV infusion set, with needle	30		_	_	_	_	2	5.
Suspension, paediatric, Amoxicillin	80	Thrice a day for 5 days	_	_	_	_	6	4,8
Total cost								87.2
Treatment of severe preumonia								
Inj ampicillin	8	50 mg/kg IV every 6 hours	_	4	2	20	22	440
Tab prednisolone	30	I mg/kg for 3 days	_	_	m	ren	_	0.7
Syrup salbutamol	8	2.5 mg/4 times a day for 5 days	_	_	_	_	9	15.5
Nebuliser Solution, Salbutamol	8	Continue as necessary	_	_	_	_	6	90.5
Oxygen, 1000 liters, primarily with oxygen cylinders	80	Continue as necessary	_	_	_	_	89	34.7
Inj gentamycin	8	7.5mg/kg IV once a day for 5 days	_	_	5	2	œ	40.7
Inj dexamethasone	20		_	2	m	9	6	60
Cannula, IV, sterile, disposable	8		_	_	_	_	95	95.2
Suspension, paracetamol	8		_	_	_	_	20	20
Total cost								848
Other IMCI activities (treatment of simple fever, severe febrile disease, laboratory diagnosis for fever, acute ear infection, chronic ear infection, chronic ear infection, dentification of danser signs and referral, counselling to parents on danser signs and nutrition)	of simple fever	r, severe febrile disease, laborato rral. counselling to parents on da	ory diagnosis	for fever	, acute e	ar infect	ion, chro	nic ear
Simple fever			0					
Suspension, paracetamol	25	1/3rd teaspoonful for 4 times/day	_	_	_	_	20	2
Severe febrile disease								
Suspension, paracetamol	25	10-15 mg per kg body weight in divided doses 1/3rd teaspoon full, for four times a day	_	_	_	_	20	5
Suspension, paediatric, amoxicillin	25	One spoon three times a day for 5 days	_	_	_	_	6	4.6
Suppository, paracetamo	2	Per rectal, continue as necessary	_	_	_	_	2	0.3
Inj phenobarbital sodium	S	In case of convulsion, 1/3rd ampoule	_	_	_	_	=	0.5
Acute ear infection								
Suspension, azithromycin	25	One spoon 2 times a day for 5 days	_	_	_	_	84	21.1

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Suspension, paediatric, amoxicillin	25	One spoon 3 times a day for 5 days	_	_	_	_	6	4.6
E/E drop, gentamycin	25	One drop 3 times a day for 7 days	_	_	_	_	31	7.7
Chronic ear infection								
Suspension, azithromycin	25	One spoon 3 times a day for 7 days	_	_	_	_	26	21.1
Suspension, paediatric, Amoxicillin	25	One spoon 3 times a day for 7 days	_	_	_	_	6	4.6
E/E drop, gentamycin	25	One drop 3 times a day for 14 days	_	_	_	_	3	7.7
Lab diagnosis for fever								
Test, Widal	25		_	_	_	_	80	20
Test, xomplete blood count	25		_	_	_	_	20	37.5
Counselling parents on danger signs, nutrition, etc.*	nutrition, etc.*							
Identification of danger signs and referral!	rral ^{‡/}							
Identify and refer white pupil reflex (leukocoria)*	eukocoria)*							
Total cost								39.9
Other ARI								
Cough/cold								
Syrup Chlorpheniramine	20	One spoon two times a day for 3 days	_	_	_	_	2	7.7
Suspension, Paracetamol	25	In case of fever, twice daily for 3 days	_	_	_	_	70	S.
Wheeze								
Syrup Chlorpheniramine	20	I spoon 2 times a day for 3 days	_	_	_	_	2	7.7
Syrup Salbutamol	20	I spoon 3 times a day for 5 days	_	_	_	_	9	7.8
Total cost								28.
		EPI						
Measles vaccine								

PiNo drug supplies cost is considered, only labour cost for counseling, promotion, assessmen or identification

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Measles vaccine	00	Measles and rubella vaccine at month 9, measles vaccine month 15	_	_	2	2	48	96.8
Syringe, auto-disposable, 0.5 ml, with needle	<u>8</u>		_	_	2	2	4	7.8
Total cost								104.7
Polio vaccine	001	OPV	_	_	m	m	2	46.2
Total cost								46.2
BCG vaccine								
BCG vaccine	00		_	_	_	_	9	5.7
Syringe, auto disposable, BCG, 0.1 ml, with needle	<u>8</u>		_	_	_	_	9	6.3
Total cost								2
Pneumococcal vaccine								
Pneumococcal vaccine	<u>8</u>		_	_	m	LUJ	290	870.8
Syringe, auto-disposable, 0.5 ml, with needle	<u>8</u>		_	_	m	(m)	4	8'
Total cost								882.6
Other EPI activities								
Counselling parents on immunization and adverse eff	and adverse effec	fects*						
Registering eligible children**								
National immunitation date and other commitmes	- managana							
Surveillance of vaccine-preventable diseases*	seases*							
Follow-up to identify adverse effects*								
Total cost								0

G*No drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

Inactivated polio vaccine Inactivated polio vaccine Total cost Pentavalent Vaccine	received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Inactivated polio vaccine Total cost Pentavalent Vaccine								
Total cost Pentavalent Vaccine	8		_	_	_	_	28	157.6
Pentavalent Vaccine								157.6
Pentavalent vaccine								
	8	(DPT, Hep B, Hib)	_	_	m	m	9.2	584.7
Syringe, auto-disposable, 0.5 ml, with needle	00		_	_	m	m	4	8:
Total cost								596.5
-		Adolescent health						
Counselling on puberty, safe sexual behaviour,		prevention of early marriage, mental health, HIV/AIDS, substance abuse*	ental health,	HIV/AID	S, substa	nce apn	se*	
Screening for STIs								
Test, VDRL	8		_	_	_	_	20	20
Total cost								20
Syndromic management of STIs								
Cap doxycydine	35		_	_	7	7	2	4.5
Tab phenoxymethyl penicillin (ORACYN-K)	90	Continue for 14 days and then continue according to physician prescription	_	4	7	78	2	1.7.1
Tab azithromycin	35		_	_	7	7	8	44.8
Total cost								56.4
Etiologic management of STIs			-					
Gonorrhea								
Inj benzathine penicillin	20	Bi-weekly	_	_	4	4	24	47
Syphilis								
Inj benzathine penicillin	50	Bi-weekly	_	_	80	89	24	94
Other								
Syringe, needle + swab	20		_	-	4	4	9	12
Total cost								23
FP information and provision*			-					

Deworming	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
12.23 months SQ			Nutrition						
12.23 months 50 1 1 1 1 1 1 1 1 1			Child nutrition						
1.23 months 50 1.24 months 50 1.25 months 50 50 50 50 50 50 50 5	Deworming								
1	Children aged 12-23 months								
Second S	Suspension, albendazole	20		_	_	_	_	20	0
Second 25 1 1 1 2 2	Children aged >24 months								
tole 25 3 6 1 g counselling and support: Pressifeeding number of the relative property. pressifeeding number of the class of	Tab albendazole	35		_	_	_	_	2	0.5
8 courselling and support breastfeeding during postnoad period** Aut breastfeeding during postnoad period** Children 6-59 months Intercept of the control	Tab mebendazole	35		_	2	m	9	_	1.2
g counselling and support breastfeeding during postnoted period* Proceeding counselling and support* Proceeding counselling and support* </td <td>Total cost</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.7</td>	Total cost								11.7
## Descripteding nutrition after delivery** Processing fourishing nutrition after delivery** Processing during postnated period** Processing during the count of the co	Breastfeeding counselling and sup	pport							
ty feeding Counselling and Support* In polementation in infants and children 6-39 months In polementation for children 6 to 23 months In polementation for	Counselling about breastfeeding, nutrition	n after delivery##							
ry feeding counselling and support* upplementation in infants and children 6-59 months 1 1 1 3 slet, 100,000 IU 50 Children 12-59 months 1 1 1 3 slet, 200,000 IU 50 Children 12-59 months 1 1 1 1 3 slet, 200,000 IU 50 Children 12-59 months 1 1 1 1 3 upplementation for children 6 to 23 months 100 One spoon two times a day for 1 1 1 1 50 a days and then continue as necessary 1 1 1 1 50 t of severe acute malmutrition 20 Three times per day for 3 days 1 1 1 1 sle 50 Three times per day for 3 days 1 1 1 20 sle 50 Three times per day for 3 days 1 1 1 20 sle 50 Three times per day for 3 days 1 2 3 6 20 sle 50 Three times per day for 3 days 1 3 5	Counselling on breastfeeding during postr	matal period*							
upplementation in infants and children 6-59 months slet, 100,000 IU 50 Children 6-11 months I I I I I I 3 slet, 200,000 IU 50 Children 12-59 months I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	Complementary feeding counselling an	ind support*							
slet, 100,000 IU 50 Children I2-59 months I I I I I I 3 slet, 200,000 IU 50 Children I2-59 months I I I I I 3 upplementation for children for children for children for children for spoon two times a day for 3 days and then continue as necessary I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	Vitamin A supplementation in im	fants and childs	ren 6-59 months						
slet, 200,000 IU 50 Children I2-59 months I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	Vitamin A, caplet, 100,000 IU	20	Children 6-11 months	_	_	-	_	m	4
upplementation for children 6 to 23 months Ioo One spoon two times a day for 30 days and then continue as necessary I Ioo One spoon two times a day for 3 days and then continue as necessary I Ioo	Vitamin A, caplet, 200,000 IU	20	Children 12-59 months	_	_	_	_	m	1.7
Applementation for children 6 to 23 months Io One spoon two times a day for 3 days and then continue as necessary I I I I I I S0 t of severe acute malnutrition 20 Three times per day for 3 days I 1 1 1 1 20 in 80 Three times per day for 3 days I 1 1 1 20 ye 50 80 I 3 5 15 8	Total cost								3.1
t of severe acute malnutrition to Severe acute malnutrition in 80 Three times per day for 3 days 8	Daily iron supplementation for		o 23 months						
t of severe acute malnutrition zole 20	Syrup iron	<u>8</u>	One spoon two times a day for 30 days and then continue as necessary	_	_	_	_	20	20
t of severe acute malnutrition 20	Total cost								20
zole 20 1 2 3 6 1 in 80 Three times per day for 3 days 1 1 1 1 20 yle 50 1 2 3 6 20 80 1 3 5 15 8	Management of severe acute ma	unutrition							
in 80 Three times per day for 3 days 1 1 1 20 sle 50 Three times per day for 3 days 1 2 3 6 20 80 Three times per day for 3 days 1 5 15 8	Tab. mebendazole	20		_	2	m	9	_	6.0
Ne 50 I 2 3 6 20 80 I 3 5 15 8	Cream, nystatin	80	Three times per day for 3 days	_	_	_	_	20	6.2
80 1 3 5 15 8	Tab. flucorrazole	20		_	2	3	9	20	90
	Inj gentamicin	80		_	е	2	2	œ	7.76

H-No drug supplies cost is considered, only labour cost for counselling, promotion, assessment, or identification

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Uniti cost (BDT)	Cost per average case (BDT) (2016)
Syrup, metronidazole	80	Three times per day for 5 days	-	_	_	_	53	23.2
Ointment, tetracycline	25	Twice/day for five days	_	_	_	_	<u>o</u>	2.6
Cream, miconazole	25	Twice/day for five days	_	_	_	_	33	8.3
Tab folic acid	00	Twice/day for 21 days and	_	2	7	4	0.27	3.8
Vermin A contact 100 000 III	5	Conunue as necessary	-	-	-	-		4
Vitamin A. caplet, 200,000 IU	202	Children 12-59 months	- -	- -	-	- -	n	
Hartmann's solution	80		-	_	-	_	70	26
Inj ceftriaxone sodium	80		_	2	2	0	IIS	920
Tab albendazole	80		-	_	_	_	2	1.7
Injection, vitamin B complex	25		_	_	7	7	4	6.9
Tab ciprofloxacin	30		_	2	2	0	œ	24
Inj furosemide	25		-	_	m	m	œ	5.8
Suspension, paediatric, amoxicillin	20	Three times per day for 7 days	-	_	_	_	6	<u>e</u>
Cream, permethrin	25		_	_	_	_	40	01
IV fluid dextrose in water	<u>8</u>		_	_	_	_	32	32
E/E drop, gentamidin	25	Twice/day for five days	_	_	_	_	3	7.7
Oral rehydration solution, sachet	8		_	2	m	9	m	8.9
Total cost								309.6
Management of Moderate Acute Malnutrition	Malnutrition							
Vitamin A, caplet, 50,000 IU	20	0-5 months children	_	_	_	_	2	0.4
Vitamin A, caplet, 100,000 IU	40	6-I I months children	_	_	_	_	m	≕
Vitamin A, caplet, 200,000 IU	40	12-59 months children	_	_	_	_	3	4.
Oral rehydration solution, sachet	00		_	2	9	9	3	8'9
Total cost								1.61
Assessment nutrition status*								
Growth monitoring*								

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times Per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Other infant and young child feeding								
Breastfeeding within an hour of birth*								
Exclusive breastfeeding for 6 months*								
Breastfeeding until 23 months of age*								
Management of underlying complications in severe malnutrition	lications in sev	ere malnutrition						
Vitamin A deficiency								
Vitamin A, caplet, 50,000 IU	0	0-5 months children	_	_	_	_	2	0.2
Vitamin A, caplet, 100,000 IU	30	6-11 months children	_	_	_	_	m	0.8
Vitamin A, caplet, 200,000 IU	30	12-59 months children	-	_	_	_	3	_
Corneal clouding/ulceration								
Eye drop/ointment, chloramphenicol/ chloromycetin	20	Twice a day for seven days	_	_	_	_	<u>o</u>	2
Dermatosis								
Syrup, zinc sulphate	20	Once daily for 3 days	_	_	_	_	30	5.9
Cream, clotrimazole	20	Candidiasis, twice daily for 14 days	_	_	_	_	27	5.5
Cream, nystatin	20	Oral candidiasis, four times a day for seven days	_	_	_	_	20	4
Tab zinc sulphate	20		_	_	m	m	2	_
Helminthiasis								
Suspension, albendazole	20	Children aged I 2-23 months, 200 mg	_	_	_	_	20	4
Tab albendazole	20	Children aged >24 months, 400 mg	_	_	_	_	2	0.4
Continuing diarrhoealdysentery								
Tab metronidazole	30	In case of mucosal damage and giardiasis 7.5 mg/kg 8 hourly	_	m	7	21	_	6.9

INo drug supplies cost is considered, only labour cost for counseling/ promotion/ assessment or identification

Adolescent nutrition	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
### Adolescent nutrition Paternal nutrition post-partum post-partum at 2 00,000 IU and courselling on nutrition during ANC* counselling on nutrition during ANC* and courselling on nutrition during ANC* counselling on nutrition during ANC* and courselling on nutrition during ANC* counselling on nutrition during ANC* and courselling on nutrition during ANC* counselling on nutrition during ANC* and anaemia arrate + Folic acid 80 For 2 months, then continue as I 2 7 1 14 arrate + Folic acid 80 For 2 months, then continue as necessary and civiamin C) 30 Continue as necessary I I I I I and civiamin C) 30 Continue as necessary I I I I I and civiamin C) 30 Continue as necessary I I I I I and civiamin C) 30 Continue as necessary I I I I I I and civiamin C) 30 Continue as necessary I I I I I I and civiamin C) 30 Continue as necessary I I I I I I and civiamin C) 30 Continue as necessary I I I I I I I and civiamin C) 30 Continue as necessary I I I I I I I I I I I I I I I I I I I	Total cost								31.9
### Protectional status** Maternal nutrition Post-partum			Adolescent nutrition	=					
Post-partum et, 200,000 IU 100 2 1 1 2 Ind counselling during ANC stritorial status during ANC stritorial and cost status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial status during ANC stritorial and cross I I I I I I stritorial status during ANC stritorial and cross I I I I I I I stritorial status during ANC stritorial and cross I I I I I I I stritorial and cross I I I I I I I I stritorial and cross I I I I I I I I I I stritorial and cross I I I I I I I I I I I I I I I I I I	Assessment of nutritional status*								
### Set Partum ### Set 200,000 IU			Maternal nutrition						
rt, 200,000 IU 100 Ind courselling during ANC Attitional status during ANC Sourselling on nutrition during ANC In	Vítamin A in post-partum								
of anaemia	Vitamin A, caplet, 200,000 IU	8		2	_	_	2	m	6.8
Independing during ANC Independent of the continue as necessary Independent of the continue of the continue as necessary Independent of the continue of the	Total cost								6.8
tritional status during ANC** 100	Assessment and counselling during	ng ANC							
100 1 2 2 2 2 2 2 2 2 2	Assessment of nutritional status during A	NC.							
of anaemia of anaemia larate + Folic acid 80 For 2 months, then continue as I 2 7 1 14 necessary stc, 200,000 IU 30 Continue as necessary lomplex 50 Continue as necessary on set 20 uping and cross IO If not done previously III III IIII IIII III IIII IIIIIIIII	Information and counselling on nutrition of	during ANC*							
of anaemia of anaemia late + Folic acid 80 For 2 months, then continue as late + Folic acid 80 For 2 months, then continue as late 1 2 7 1 14 late 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Deworming								
of anaemia Parate + Folic acid 80 For 2 months, then continue as necessary 1 2 7 14 st, 200,000 IU 30 Continue as necessary 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tab albendazole	00		_	_	2	2	2	4.2
of anaemia of anaemia larate + Folic acid 80 For 2 months, then continue as necessary 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total cost								4.2
arate + Folic acid 80 For 2 months, then continue as 1 2 7 14 14	Management of anaemia								
arate + Folic acid 80 For 2 months, then continue as 1 2 7 14 necessary id (vitamin C) 30 Continue as necessary 1 1 7 7 complex 50 Continue as necessary 1 1 7 7 on set 20 uping and cross 10 If not done previously 1 1 1 1	Moderate								
tr, 200,000 IU 30 Continue as necessary I I I I I I I I I I I I I I I I I I I	Tab ferrous fumarate + Folic acid	80	For 2 months, then continue as necessary	_	2	7	4	2	25.2
Id (vitamin C) 30 Continue as necessary 1 1 7 7 7 Complex 50 Continue as necessary 1 1 7 7 7 on set 20 Language and cross 10 If not done previously 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Vitamin A, caplet, 200,000 IU	30	•	_	_	_	_	m	_
Somplex Something and cross Continue as necessary I I 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 7 8 7 8 8 8 8 8 9 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 </td <td>Tab ascorbic acid (vitamin C)</td> <td>30</td> <td>Continue as necessary</td> <td>_</td> <td>_</td> <td>7</td> <td>7</td> <td>2</td> <td>4.2</td>	Tab ascorbic acid (vitamin C)	30	Continue as necessary	_	_	7	7	2	4.2
on set 20	Tab vitamin B Complex	20	Continue as necessary	_	_	7	7	0.44	5.1
on set 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </td <td>Severe</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Severe								
20	Blood transfusion set	20		_	_	_	_	œ	9
20	Blood, one unit	20		_	_	_	_	300	09
d grouping and cross 10 If not done previously I I I I I	CPD blood bag	20		_	_	_	_	09	12
Total cost	Test, blood grouping and cross matching	0	If not done previously	_	_	_	_	20	12
	Total cost								20.6

IPNo drug supplies cost is considered, only labour cost for counselling, promotion, assessment, or identification

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Other Intermittent IFA supplementation (menstruati	on (menstruatir	ng women where anaemia is public health problem)	c health probl	em)				
Tab ferrous fumarate + folic acid	00	2 tab/ week for three months (13 weeks), then stop intake for next 3 months and start again following above dose	_	_	7	7	2	15.8
Total cost								15.8
		SON						
		Diabetes mellitus						
Diagnosis of diabetes mellitus								
Test, blood sugar	00		_	_	_	_	09	09
Test, urinalysis	00		_	_	_	_	20	70
Total cost								80
Management of Type II diabetes mellitus	mellitus							
Tab metformin	00	To be continued as necessary	_	2	7	4	נייז	37.3
Insulin	20	To be continued as necessary	_	_	7	7	69	24 2
Total cost								278.5
Management of type I diabetes mellitus	nellitus							
Tab metformin	00	To be continued as necessary	_	2	7	4	(PP)	37.3
Insulin	8	To be continued as necessary	_	_	7	7	69	482.3
Total cost								519.6
Identification and referral of long-term complications*	g-term complic	ations*K						
		Breast cancer						
Basic breast cancer awareness*								
Screening: dinical breast exam*								
		Cervical cancer						

RNo drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

Drugs/Supplies	received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	case (BDT) (2016)
Visual inspection with acetic acid								
Acetic acid, 5% dilute, 5 ml	8		_	_	_	_	30	m
Cotton wool	<u>00</u>		_	_	_	_	0.29	0
Applicator sticks	00		_	_	_	_	_	0
Antiseptic solution	8		_	_	_	_	36	æ
Gloves, disposable, sterile, pair +	<u>8</u>		_	_	_	_	30	m
face mask								
Total cost								79.29558
		Chronic obstructive pulmonary disease	onary disease					
Counselling on smoking cessation*	»uc							
Diagnosis and management of ambulatory cases	mbulatory case	8						
Tab salbutamol	00	Continue as necessary	_	m	7	21	0.30	6.3
Tab chlorpheniramine	20		_	2	7	4	0.30	8'0
Nebulizer solution, salbutamo	20		_	_	_	_	6	45.3
Test, x-ray	<u>8</u>		_	_	_	_	20	0/
Total cost								122.4
Diagnosis and management of inpatient cases	npatient cases	_	-					
Tab salbutamo	09	Continue as necessary	_	m	7	2	0.30	3,8
Nebulizer solution, salbutamol	8	Repeat as necessary	_	_	_	_	6	90.5
Tab chlorpheniramine	30		_	2	7	4	0.30	<u>~</u>
Tab prednisolone	70		_	m	7	21		11,4
Total cost								107
308	SGBV (Refer to dis	trict hospital and treatment inputs entered under district hospital)	puts entered u	ınder dist	rict hosp	oital)		
	NCD scr	eening and management based on total risk assessment	d on total risk	assessme	Ħ			
Screening for risk of CVD/diabetes	tes							
High blood pressure								
Test, urinalysis	22		_	_	_	_	20	s
High total cholesterol								
Test serium cholestero	36		-	_	_	_	V2	36

	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Test, lipid profile	25		_	_	_	_	300	75
High blood sugar								
Test, blood sugar	25		_	_	_	_	09	15
Family history of CVD/diabetes mellitus/kidney disease*	tus/kidney disease	H.						
Smoking*								
Overweight								
Total cost								107.5
Determine risk of CVD in next 10 years*	0 years*							
Manage conditions and identify and refer complications	and refer compl	cations						
High blood pressure								
Tab amlodipine/amdocal	30	Continue as necessary	_	_	7	7	9	12.6
High total cholesterol								
Tab atorvastatin	30	10 mg, to be continued as necessary	_	2	7	4	<u>o</u>	42
High blood sugar								
Tab metformin	30	To be continued as necessary	_	2	7	4	m	11.2
Family history of CVD/diabetes mellitus/kidney disease*	itus/kidney disease							
Smoking*								
Overweight*								
Total cost								65.8
Arsenicosis								
Counselling on the consumption of safe water	n of safe water ^{an}							
Identify, treat skin conditions, and refer	nd refer							
Test, urinalysis	100		-	_	-	_	20	20
Whitfield's ointment (benzoic and	00	Continue as necessary	_	_	_	_	<u>~</u>	3.3

LiNo drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification HitNo drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

	Downson							
Drugs/Supplies	received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	average case (BDT) (2016)
salicylic acid) Vitamin A, caplet, 50,000 IU	001	continue for 14 days and then	_	_	7	7	2	13.5
Tab ascorbic acid (vitamin C)	8	continue ii necessary	_	_	7	7	2	4
Total cost								6'09
		Z						
Promote healthy lifestyle for HTN and other N	N and other N	CD control®						
Diagnosis of HTN								
For all hypertensive patients								
Test, urinalysis	<u>00</u>	For blood, protein, and glucose	_	_	_	_	20	20
Test, blood sugar	8	Fasting preferred	_	_	_	_	09	09
Test, ECG	8	12-lead ECG	_	_	_	_	8	8
For most hypertensive patients								
Test, serum cholestero.	30		_	_	_	_	20	15
Test, complete blood count	30		_	_	_	_	20	45
Test, x-ray	0	To detect cardiomegaly, heart failure, coarctation of the aorta	_	_	_	_	0/	7
Test, serum creatinine	30		_	_	_	_	20	2
Total cost								242
Management of HTN	-							
Stage / HTN								
Tab am odipine/amdoca	25	Continue as necessary	_	_	7	7	9	10.5
Tab nifedipine	25	Continue as necessary	_	_	7	7	נייו	5.2
Stage 2 HTN								
Tab labetalol hydrochloride	20	Continue as necessary	_	2	7	4	0	70.3
Total cost								98
Laboratory follow-up of HTN cases	ses							
Test, lipid profile	<u>o</u>		_	_	_	_	300	30
Test, urinalysis	00	For blood, protein and glucose	_	_	_	_	20	20

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Test, blood sugar	001	Fasting preferred	_		_		09	09
Test, ECG	00	12-lead ECG	_	_	_	_	80	80
Test, serum cholesterol	30		_	_	_	-	20	15
Test, complete blood count	30		_	_	_	_	120	45
Test, serum creatinine	30		_	_	_	_	20	15
Test, x-ray	0	To detect cardiomegaly, heart failure, coarctation of the aorta	_	_	_	_	70	7
Total cost								272
Identify and refer CVD								
Test, ECG	00		_	_	_	_	80	8
Total cost								80
		FP/RH						
Pre-conception Care								
Promote health, FP, nutrition, child survival, and safe	urvival, and safe n	motherhood*						
Screening for malnutrition*								
Prevent/identify HIV/AIDS, STIs, congenital anomalies*	genital anomalies*							
Counseling on best practices during pregnancy*	pregnancy*							
Tetanus toxoid for women of reproductive age	productive age							
Tetanus toxoid, injection	8	At 15 years with the 1st dose of tetanus toxoid; tetanus toxoid; tetanus toxoid.	-	_	_	_	6	6
		28 days after tetanus toxoid-1; tetanus toxoid-3: 6 months after						
		tetanus toxoid-2, tetanus toxoid-						
		tetanus toxoid-5: I year after						
Syringe, needle + swab	00		_	_	_	_	9	9
Total cost								2

NeNo drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

Percounselling Counselling Counselling Counselling Counselling methods and obtess effects	Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
t on post-partum FP and post-menstrual regulation/FAC—FP** t on post-partum FP and post-menstrual regulation/FAC—FP** Partum FP methods** FP methods	omealing		FP counselling						
Per cycle 1 1 1 1 1 3 2 1 1 1 3 1 1 3 1 1 3 1 1	selling on birth spacing, methods, ar	d adverse effects*							
Per cycle Per cycle	xacy and awareness development or	post-partum FP a	nd post-menstrual regulation/FAC -FP*						
Per cycle	ening according to medical eligibil	ty criteria for co	ntraceptive use*						
Per cycle	conception re counselling: C information and counselling on p	ost-partum FP*							
Per cycle	inselling and provision of post-par	um FP methods*							
100 Per cycle									
100 Per cycle	Pill - Standard daily regimen								
100	Levonorgestrel 0.15 mg + ethinyl estradiol 30 mcg (microgynon), cycle	00	Per cycle	_	_	_	_	<u>8</u>	8
100	Total cost								8
100 3 1 1 2 2 18	 post coital contraception 								
100 3 1 1 3 2 1 1 1 3 2 1 1 1 1 3 1 1 1 3 1 1	Emergency contraceptive pill	00		_	_	2	2	8	35.5
100 3 1 1 3 2 1 1 1 3 2 3 1 1 1 1 1 1 3 1 1	Total cost								35.5
100 3 2 2 3 1 1 3 2 3 3 3 3 3 3 3 3	dom - male								
100 100	dom, male	8		m	_	_	m	2	4.5
100 100	cost								4.5
100	ge, needle + swab	00		_	_	-	-	9	9
100	Depo-Provera	00		_	_	_	_	3	3
100 100 100 100 100 100 100 100 100 100	Total cost								37
100 100	IUD - copper-T 386-A IUD								
100 1 31 31 30 30 30 30	IUD general and IUD post-partum								
1	copper T-380A	00		_	_	_	_	31	3
100	Gloves, disposable, sterile, pair + face mask	00		_	_	_	_	30	30
	Antiseptic solution (0.5% chlorhexidine/chloroxylenol/	<u>00</u>		_	_	_	_	36	<u>89</u>

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
iodopovidone) Other								
Tab ibuprofen	20		_	2	2	0	_	6.4
Tab paracetamol	20		_	2	2	0	_	3.5
Tab ferrous salt	001		_	2	30	09	2	32
Total cost								223.9
Implant - implanon								
Implant-implanon	<u>00</u>		_	_	_	_	200	1200
Inj lignocaine hydrochloride	00		_	_	_	_	40	40
Syringe, needle + swab	001		_	_	_	_	9	9
Gloves, disposable, sterile, pair + face mask	<u>00</u>		_	_	_	_	30	30
Surgical tapes	<u>00</u>		_	_	_	_	00	001
Antiseptic solution (0.5% chlorhexidine/chloroxylenol/iodonoxidone)	00		_	_	_	_	36	<u>8</u>
Blade, surgical, sterile, disposable	00		-	_	_	_	20	20
Medical and surgicalbBandage	00		_	_	_	_	00	00
Total cost								1514
Female sterilization								
Pre-operative preparations for tubectomy								
Tab ciprofloxacin	<u>8</u>		_	2	m	9	œ	48
Tab diazepam	00		_	_	_	_	61.0	0.2
Inj atropine sulphate	00	Cocktail combination	_	_	_	_	2	4.9
Inj promethazine hydrochloride	00	Cocktail combination	_	_	_	_	2	2
Inj pethidine	00	Cocktail combination	_	_	_	_	0	0
During operating procedure								
Inj lignocaine hydrochloride	8		_	_	_	_	9	9

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Tubectomy kit	001		_	_	_	_	26	26
Syringe, needle + swab	001		_	_	_	_	9	9
Gloves, disposable, sterile, pair + face mask	001		-	_	_	_	30	30
Surgical suture with needle and thread	001		_	_	_	_	001	00
Blade, surgical, sterile, disposable	00		_	_	_	_	20	20
Medical and surgical bandage	001		_	_	_	_	00	00
Post-operative preparations for tubectomy								
Tab ciprofloxacin	001		_	2	7	4	œ	112
Tab metronidazole	001		_	4	2	20	_	22
Tab ibuprofen	20		_	2	2	0	_	6.4
Tab paracetamol	20		_	2	2	0	_	3.5
Total cost								602
Male sterilization								
No scalpel vasectomy (NSV)								
No scalpel vasectomy kit	001		_	_	_	_	200	200
Inj lignocaine hydrochloride	00		_	_	_	_	40	40
Tab diazepam	00		_	_	_	_	61.0	0.2
Tab ciprofloxacin	00		_	2	7	4	œ	112
Tab metronidazole	001		_	(m)	2	12	_	16.5
Tab diclofenac	20		_	2	m	9	_	2.3
Tab paracetamol	20		_	2	2	0	_	3.5
Gloves, disposable, sterile, pair + face mask	00		_	_	_	_	30	30
Syringe, needle + swab	001		_	_	_	_	9	9
Antiseptic solution (0.5% chlorhexidine/chloroxylenol/ iodopovidone)	00		_	_	_	_	36	8

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Medical and surgical bandage			-	_	_	_	00	001
Total cost								528,5
		Management of FP complications	lications					
Management of FP complications	S							
Excessive bleeding								
Levonorgestrel 0.15 mg + ethinyl estradiol 30 mcg (microgynon),	<u>o</u>		_	_	7	2	<u> </u>	37.8
cycle								
Tab ibuprofen	<u>o</u>		_	2	7	4	_	œį
Tab ferrous salt	01		-	2	90	180	2	40.5
Headache								
Tab paracetamo	40	General headache, not migraine	_	m	2	12	_	4.2
Spotting								
Levonorgestrel 0.15 mg + ethiny estradiol 30 mcg (microgynon),	20		_	_	21	21	<u>8</u>	75.6
Cycle Total cost								59.9
Menstrual regulation (MR)								
Menstrual regulation								
Menstrual regulation kit	<u>00</u>		_	_	_	_	171	171.4
Gloves, disposable, sterile, pair + face mask	001		_	_	_	_	30	30
Tab ciprofloxacin	00]		_	2	7	4	œ	112
Tab diclofenac	001		-	2	2	0	_	7.6
Tab metronidazole	00]		_	е	2	15	_	16.5
Syringe, needle + swab	00]		-	_	_	-	9	9
Inj diazepam	001		_	_	_	_	m	i
Total cost								346.7
		Management of other common conditions	on conditions					
		Eye care						

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT)
Treatment of acute conjunctivitis								
E/E drop, ciprofloxacin	06	For 7 days	_	_	_	_	32	31.7
E/E drop, moxifloxacin	0	For 7 days	_	_	_	_	87	8.7
Total cost								40.4
Treatment of corneal ulcer								
E/E drop, moxifloxacin	0	3 times for 7 days	_	_	_	_	87	8.7
E/E drop, ciprofloxacin	90	3 times for 7 days	_	_	_	_	32	31.7
Total cost								404
Detection of cataract and visual impairment*	rment*							
		Ear care						
Identification and referral of hearing impairme	ring impairmer	nt*						
Awareness on prevention of hearing impairment ***	g impairment ^{so}							
Identification and referral of hearing impairment®	ng impairment ^a							
Management of otitis media								
Management of acute suppurative otitis media	media							
E/E drop, gentamicin	2	3 times for 14 days	_	_	_	_	3	<u>.</u>
E/E drop, ciprofloxacin	40	3 times for 14 days	_	_	_	_	32	4
E/E drop, levofloxacin	2	3 times for 14 days	_	_	_		11	3.9
Cap amoxicillin	0	3 times for 14 days	_	_	_	_	5	0.5
Management of chronic otitis media								
E/E drop, gentamicin	'n	3 times for 21 days	_	_	_	_	3	5
E/E drop, ciprofloxacin	40	3 times for 21 days	_	_	_	_	32	4
E/E drop, levofloxacin	2	3 times for 21 days	_	_	_	_	77	6 0
Cap amoxicillin	0	3 times for 21 days	_	_	_	_	S	0.5
Total cost								40
		Dental care						
Promotion of oral hygiene*								

O*No drug supplies cost is considered, only labour cost for counselling/ promotion/ assessment or identification

Treatment of common dental diseases Gingivitis, periodontitis, periconnitis, gross caries, mobile tooth extraction, BDR

Drugs/Supplies	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Cap cephradine	40		_	4	7	28	=	125.7
Tab metronidazole	90		_	m	2	2	_	6.6
Suspension, paediatric, amoxicillin	20	Three times/day for 7 days	_	_	_	_	6	9.3
Cap amoxicillin	90		_	е	7	2	2	66.3
Cap omeprazole	20		_	2	2	0	2	0
Tab ketorolac tromethamine (toradol)	20		_	2	2	4	0	20
Suspension, paracetamo	20	Twice a day for 2 or 3 days	_	_	_	_	20	0
Total cost								251.
Tooth extraction								
Deciduous tooth extraction								
Suspension, paracetamol	001	Mobile teeth extraction in children	_	_	_	_	20	20
Total cost								20
	-	Treatment of common skin diseases	diseases					
Treatment of common skin diseases	ases							
Scabies								
Cream, permethrin	20	Twice daily for 2 days	_	_	_	_	40	œ
Tab chlorpheniramine	30		_	2	7	4	0	m
Benzyl benzoate lotion 25%	01	For 3 days	_	_	_	_	32	3.2
Ringworm								
Whitfield's ointment (benzoic and salicylic acid)	30	Twice daily for 7 days	_	_	_	_	<u>~</u>	4
Tab chlorpheniramine	30		_	2	7	4	0.30	m.
Impetigo	ć				,		0	c
ab chlorpheniramine	70		_	7	\	4	0.30	8.0
Cap amoxicillin	20		_	m	7	21	2	22
Dermatitis								
Cap fluctoxacillin	0	Boil, carbuncle, abscess	_	4	7	28	6	26
Tab chlorpheniramine	20		_	2	7	4	0.30	0.8
Cap amoxicillin	0	Paronychia	_	Э	7	21	2	=

Drugs/Supplies	Percent received aspect of	Note	Number of units	Times per day	Days per	Units per	Unit cost	Cost per average case (BDT)
	treatment							(2016)
Total cost								78.5
		Emergency care						
Road traffic accident stabilization and referral	and referra							
Beach of continuity of skin any part of the body	e body							
Antiseptic solution	40		_	_	_	_	36	7.2
Medical and surgical bandage	40		_	_	_	_	00	40
Cap flucloxacillin	20		_	4	7	28	6	51.9
Cap amoxicillin	20		_	m	7	21	2	22
Surgical suture with needle and thread	20	Suturing and stitches if bleeding and beach of skin continuity	_	_	_	_	00	20
Post cast and refer to orthopaedic surgeon	u							
Cap flucloxacillin	40		_	4	7	28	6	03.8
Syringe, needle + swab	20		_	_	_	_	9	.2
Inj ketorolac tromethamine (toradof)	0	In severe case, start dose and then refer	_	_	_	_	55	5.5
Tab paracetamo	40	Mild to moderate	_	2	ю	9	_	1.7
Investigation								
Test, x-ray	20		_	_	_	_	20	4
Total cost								267.4
		Drowning						
Inj furosemide	8		_	_	_	_	œ	7.8
Suspension, paediatric, amoxicillin	20	In conscious children, three times for 7 days	_	_	_	_	6	9.3
Syringe, needle + swab	8		_	_	_	_	9	9
Inj amoxicillin	20	In unconscious children	_	m	2	2	25	87.5
Oxygen, 1000 liters, primarily with oxygen cylinders	20	Continue as necessary	_	_	_	_	89	8'/11
Inj ceftriaxone sodium	00		_	_	_	_	115	115

Inj dexamethasone Awareness on child injury and drowning prevention Total cost	Percent received aspect of treatment	Note	Number of units	Times per day	Days per case	Units Per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Awareness on child injury and drowning Total cost	50	In case of hypothermia	_	_	_	_	6	4.5
Total cost		measures**						
								447.9
		First aid in minor injuries	ries					
Cap fludoxacillin	30		_	4	7	28	6	77.9
Antiseptic solution (0.5% chlorhexidine/chloroxylenol/ iodopovidone)	<u>8</u>		_	_	_	_	36	8
Medical and surgical bandage	8		_	_	_	_	8	20
Cap amoxicillin	30	In case of beach of continuity of skin	_	m	7	21	5	33.
Tab paracetamol	00		_	ю	m	6	_	E:9
Total cost								185.3
		Poisoning and snakebite	vite					
Poisoning								
G tube	50	Gastric lavage	_	_	_	_	22	27.5
Syringe, needle + swab	20		_	_	_	_	9	m
Hartmann's solution	20	Maintaining up to pupil dilation	_	_	_	_	02	35
Foley's catheter	25	In case of unconsciousness	_	_	_	_	228	57
Inj atropine sulphate	20	Maintaining up to pupil dilation	_	_	_	_	2	2.5
Inj ceftriaxone sodium	20		_	2	2	0	115	575
Snakebite								
Snake venom antiserum' polyvalent snake antivenom	20		_	_	_		180	06
Inj adrenaline (epinephrine)	20	In case of anaphylaxis	_	_	_		25	12,5
Inj chlorpheniramine	25	In case of anaphylaxis	_	_	_		6	0.8
Inj hydrocortisone	25		_	_	_	_	48	12

PhNo drug supplies cost is considered, only labour cost for counseling, promotion, assessment, or identification

	Percent			H.	Dave C	1		Cost per
Drugs/Supplies	received aspect of treatment	Note	Number of units	per day	per case	Gase La	(BDJ)	average case (BDT) (2016)
Suppository, paracetamol	25	Pyrogenic reaction	-	_	_	-	S	<u>m</u>
Medical and surgical bandage	20	Pressure immobilization method	_	_	_	_	8	20
Test, urinalysis	20		_	-	_	_	70	01
Test, complete blood count	<u>o</u>		_	_	_	_	20	2
Hartmann's solution	20	In case of anaphylaxis	_	_	_	_	20	35
Inj omeprazole	25	In case of anaphylaxis	_	_	_	_	06	22.5
Total cost								949
		Other communicable diseases	seases					
		Hepatitis diagnosis and management	agement					
Test, serum bilirubin	<u>8</u>		_	_	_	_	09	09
Tab vitamin B Complex	30		_	2	7	4	0.44	<u>80</u>
Test, ultrasonogram	20		_	_	_	_	0	55
IV fluid dextrose in water	70		_	2	m	9	32	34.4
Total cost								251.2
		Typhoid diagnosis and management	agement					
Tab ciprofloxacin	00	Continue for 2 weeks	_	2	7	4	œ	112
Test, widal	001		_	_	_	_	80	80
Tab paracetamo	001		-	2	3	9	_	4.2
Total cost								196.2
Diarrhoea and dysentery								
Inj cholera saline	20		_	2	m	9	32	38.4
Tab azithromycin	40		2	_	_	2	8	4.6
IV giving/infusion set, with needle	20		_	_	_	_	2	_
Tab metronidazole	40	Ameobic dysentry	_	3	2	12	_	9.9
Oral rehydration solution, sachet	00		_	4	m	12	е	33.6
Total cost								94.2
		Dengue						

Test, complete blood count Total cost Outpatient department management Oral rehydration solution, sacher		Note	Number of units	per day	per	Case Case	(BDT)	average case (BDT) (2016)
Test, complete blood count Total cost Outpatient department manageme	d case							
Outpatient department manageme	8	Repeat as necessary	_	_	_	_	120	150
Outpatient department manageme								120
Oral rehydration solution, sachet	int							
Clair Introduction control of the Control	00		_	m	2	15	m	42
Tab paracetamo	8		_	(m)	s	12	_	10.5
Total cost								52.5
Inpatient management								
Severe								
Blood transfusion set	40		_	_	_	_	œ	3.2
Blood, one unit	40	Haemorrhagic condition	_	_	_	_	300	120
CPD blood bag	40		_	_	_	_	90	24
Normal saline IV solution	00	Continue as necessary	_	_	_	_	32	32
Total cost								79.2
		Rabies						
Rabies post exposure prophylaxis (refer to district hospital and treatment inputs entered under district hospital)	to district hos	pital and treatment inputs entered un	der district h	ospital)				
District Hospital (interventions provided in the district hospital)	in the district							
		NCDs						
		Sexual and gender based violence (SGBV)	nce (SGBV)					
Case identification and recognition								
Test, urine pregnancy	8		_	_	_	_	80	80
Test, urinalysis	8		_	_	_	_	20	20
Test, complete blood count	00			_	_		120	150
Test, VDRL	8		_	_	_	_	20	20
Total cost								300
First-point counselling*								

O+No drug supplies cost is considered, only labour cost for counselling promotion, assessment, or identification

Prevention of pregnancy: emergency contraception Emergency contraceptive pill	aspect of treatment	Note	Number of units	Times per day	Days per case	Units per case	Unit cost (BDT)	Cost per average case (BDT) (2016)
Emergency contraceptive bil	ntraception						9	i.
Total cost	2		_	-	7	7	20	ŭ m
		Treatment of minor injuries	uries					
Medical and surgical bandage	20		_	_	_	_	8	25
Tab amoxicillin	8		_	m	7	2	5	10.5
Tab paracetamo	8		_	m	2	2	_	10.5
Surgical suture with needle and thread	20		_	_	_	_	8	20
Total cost								961
		Prophylaxis for STI						
Inj ceftriaxone sodium	8	250 mg IM stat	_	_	_	_	12	IIS
Cap doxycydine	8		_	2	7	4	2	25.6
Total cost								40.6
Psychological support*								
Medico-legal examination**								
		Management of other common conditions	n conditions					
Rabies post exposure prophylaxis								
Rabies vaccine	8		_	_	4	4	571	2284
Total cost								2284

PPNo drug supplies cost is considered, only labour cost for counseling, promotion, assessment, or identification

APPENDIX E: PUBLIC COST PER BENEFICIARY

	Base year (2016)	2017	2018	5019	2020	1202	2022
Weighted average of service coverage"	20.4	22.6	24.6	26.7	28.8	30.9	33.0
Total cost	76,195,101,043	84,045,403,356	85,794,071,881	89,546,429,514	94,014,343,200	98,436,108,702	103,194,035,467
Total population	160,347,458	166,815,993	164,667,113	166.815.993	168,949,988	171,064,750	173,144,197
% of population received services (considering the estimated weighted average of service received by the population)	32,708,866	37,660,068	40,563,315	44,544,945	48,647,948	52,889,102	57,193,361
Cost per beneficiary cosidering weighted average of coverage of the total population who received ESP services in BDT	2,329.5	2231.7	2,115.1	2,010.2	1,932.5	1,861.2	1,804.3
Cost per beneficiary in USD	29.8	7.72	26.3	25.0	24.0	23.	22.4

"weighted average calculated from taking a weighted average of the coverage (in a respective year) of each ESP intervention.

USD (1 USD=78.3 BDT) in 2016

From 2017-22 I USD=80.57 BDT

*WEIGHTED AVERAGE OF SERVICE COVERAGE

Note: Number of service coverage/provided was divided by percentage of coverage (%C) to calculate the total population in need (PIN) for the specific intervention in each year. Then the sum of service coverage was divided by sum of PIN for all interventions and multiplied by 100 to get the percentage of weighted average of service coverage.

		Year-2016			Year-2017		*	Year-2018	
Intervention	# of service coverage	S ×	# of PINT	# of service coverage	0 %	# of PIN	# of service coverage	0 %	# of PIN
Maternal Health Antenatal care (ANC)									
Daily iron and folic acid supplementation (pregrant women)	816,870.6	18.6	4,391,777.5	905,023.8	20.5	4,414,750.0	993,370.1	22.4	4,434,688.0
Identify and manage hypertransion in pregnancy	461,136.6	10.5	4,391,777.5	511,375.1	9	4,408,405.7	561,727.3	12.7	4,423,049.6
Identify and manage pregnancy complications	461,136.6	10.5	4,391,777.5	511,375.1	9	4,408,405.7	561,727.3	12.7	4,423,049.6
Calcium supplementation for prevention and treatment of pre-edampsia and edampsia	461,136.6	10.5	4,391,777.5	511,375.	9	4,408,405.7	561,727.3	12.7	4,423,049.6
Tetanus toxoid (pregnant women)	1,682,050.8	383	4,391,777.5	1,857,873.8	42.1	4,413,001.9	2,034,043.7	45.9	4,431,467.8
Syphilis detection and treatment (pregnant women)	4,901.2	9781	26,350.7	5,430.1	20.5	26,488.5	5,960.2	22.4	26,608.1
Other Antenatal care (Including screening, counselling & diagnostic tests)	461,136.6	10.5	4,391,777.5	511,375.1	9	4,408,405.7	561,727.3	12.7	4,423,049.6
Micronutrient supplements (Vitamin B complex)	658,766.6	15.0	4,391,777.5	63001.9	15.8	4,424,062.9	739,114.8	16.7	4,425,837.2
Postnatal care (PNC)						•			
Maternal sepsis case management	24,506.1	12.4	197,630.0	28,144.0	<u>4</u>	198,197.4	31,796.7	15.9	199,979.3
Other Postratal Care (Counseling, Postratal dinical history, Identification and management of postratal complication)	412,827.1	9.4	4,391,777.5	470,906.8	10.7	4,400,998.3	529,206.0	6.	4,447,108.9
Normal delivery			•			•			ı
Identify and refer obstetric emergencies	60,101.5	39.5	6'010'101	65,408.2	4.	101,565.5	70,718.5	69.3	102,046.9
Management of Premature rupture of membranes (PROM)	70,852.5	77	320,599.8	73,318.0	22.8	321,570,0	75,753.3	23.4	323,732.2
Normal labor and delivery (facility)	342,558.6	7.8	4,391,777.5	353,180.0	8	4,414,750.0	363,644.4	8.7	4,434,688.0

S Baseline Coverage

T Population in need

		Year-2016			Year 20 7	4	*	Year-2018	
Intervention	# of service coverage	ő	#ofPIN	# of service coverage	8	#ofPIN	# of service coverage	8	#ofPIN
Active management of the 3rd stage of labour	386,476.4	80	4,391,777.5	397,327.5	076	4,414,750.0	407,991.3	9.2	4,434,688,0
Antenatal corticosteroids for preterm labor	61,484.9	14,0	439,177.8	63,278.1	<u>4</u>	442,504,0	65,042.	4.7	442,463.3
Normal labor and delivery (home)	360,125.8	8.2	4,391,777.5	375,253.8	28	4,414,750.0	390,252,5	878	4,434,688,0
Induction of labor (beyond 41 weeks)	31,181.6	14.2	219,588.9	32,374.8	14.7	220,237,0	33,555.8	15.1	222,223.8
Management of eclampsia (Magnesium sulphate)	4,926.7	14.2	34,695.0	5,115.2	47	34,797.4	5,301.8	15.	35,111.4
Neonatal resuscitation (institutional)	1,846.6	12.7	14,540.4	2,004.0	13.8	14,521.9	2,160.6	8,4	14,598.9
Obstetrical emergencies									
Management of pre-eclampsia (Magnesium sulphate)	89,592.3	15.0	597,281.7	98,066.3	163	601,633.7	87055,901	17.7	611861109
Management of obstructed labor	83,030.9	13.7	606,065.3	89,862.2	84	607,177.3	6.6693.9	15.8	6.386,113
Treatment of postpartum hemorrhage	57,642	125	461,136.6	62,965.4	13.6	462,980.6	68,294.2	4.7	464,586.5
Other EmONC (Management of Ante-partum Haemorrhage, prolapsed cord, shoulder dystocit, Removal of retained products, Repair vaginal and cervical tears, Assisted vaginal delivery, Blood transfusion)	729,096.5	4.14	1,761,102.8	793,691.1	44.8	8.159,177,1	858,331.0	48.3	1,777,082.7
Caesarsan section	171,718.5	Ø.	4,403,038.5	187,259.1	5	4,458,550.6	202,812.9	4.6	4,408,976.5
Other obstetric emergencies (genital prolapse)	252,527.2	80.	4,353,917.3	274,818.2	73	4,432,551.4	297,124.1	6.7	4,434,688,0
Child Health & EPI									
Integrated Management of Child Illnesses (IMCt)									ı
ORS	12,527,535.7	35.3	35,488,769.7	12,966,250.7	36.5	35,523,974.5	13,381,659.5	37.7	35,495,118.1
Zinc (damhea treatment)	12,527,535.7	35.3	35,488,769,7	12,942,559.6	36.4	35,556,482.4	13,334,288.5	37.5	35,558,102.6
Antibiotics for treatment of dysentery	560,722.6	6 6	774,438.5	580,490.1	32.7	1,775,199.1	599,214.0	33.7	,778,083.2
Treatment of severe darrhea	68,493.3	<u>66</u>	354,887.7	70,784.3	66	355,699,8	72,947.8	20.5	355,842.9
Pneumonia treatment (children)	3,511,374,1	163	21,542,172.2	3,720,679.7	17.2	21,631,859.0	3,909,399.6	180	21,718,886.8
Treatment of severe pneumonia	54,857.6	10.5	522,453.4	58,815.7	qΠ	534,688.6	61,844.3	9"	533,140.1
Other IMCI activities (Treatment of simple fever, severe febrile disease, Lab diagnosis for fever, acute ear infection, chronic ear infection, identification of darger signs & referral, Counseling to parents on darger signs & nutrition)	1,079,450.1	7.3	14,786,987.4	1,106,296.1	7.4	14,949,948.0	1,131,512.2	7.5	15,086,830.0

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		Tear-2016			Teal-2017			rear-zuro	
Intervention	# of service coverage	%	#of PINT	# of service coverage	0	Wage Wage	# of service coverage	8	# of PIN
ARI (Cough/cold, wheeze)	3122125	39.1	798,497.3	325,549.3	40.4	805,815.0	338,492.5	41.7	811,732.6
Expanded Program of Immunization (EPI)									1
Measles vaccine	6,535,805.8	71.3	9,166,628.0	6,643,163.2	72.1	9,213,818.6	6,679,577.0	729	9,162,657.0
Pollo vaccine	6,599,972.2	72.0	9,166,628.0	6,712,282.8	77.8	9,220,168.7	6,752,911.8	73.7	9,162,702.5
BCG vaccine	7,562,468,1	87.5	9,166,628.0	7,687,638.1	83.4	9,217,791.5	7,730,708.3	84.3	9,170,472,5
Preumococcal vaccine	3,648,317.9	eg en	9,166,628.0	3,855,338.5	41.8	9,223,297.9	4,021,191.0	43.9	9,159,888.4
Other EPI activities (Counseling parents on immunization and adverse effects, Registering eligible children, Follow-up of defaulters & to identify adverse effects)	7,534,968.2	82.2	9,166,638.0	7,664,598.2	83.2	9,212,257.5	7,712,374.6	-75	9,170,481.1
Inactivated polio vaccine (IPV)	6,599,972.2	72.0	9,166,628.0	6,712,282.8	72.8	9,220,168.7	6,752,911.8	73.7	9,162,702.5
Vaccine, Pentavalent	7,168,303.1	78.2	9,166,628.0	7,280,600.0	79.0	9,215,949.4	7,315,144,8	79.8	9,166,848.1
Malaria			ı						ı
Prevention									
Vector control (other)	9,845,333.9	30.7	32,069,491.5	11,456,847.1	35.3	32,455,657.5	13,107,502.2	39.8	32,933,422.6
BCC	2,267,300.0	30.5	0.000,030,11	2,640,860.1	23.6	11,190,085.2	2,982,187.3	26.7	11,169,240.8
Case management									
Malaria diagnosis (malarial fevers)	105,258.0	30.7	342,860.0	72,366	E2	346,646.	37.978.3	39.8	346,679.2
Malaria treatment (children 5-14)	105,258.0	30.7	342,860.0	122,366.1	35.3	346,646.1	137,978.3	39.8	346,679.2
Malaria treatment (adults, excluding pregnant women)	105,258.0	30.7	342,860.0	122,366.1	m un	346,646.	137,978.3	39.8	346,679,2
Treatment of malaria (pregnant women)		20.1	•		23.			26.	ı
Treatment of severe malaria (5+)	68,914.9	30.1	342,860.0	80,131.0	Ħ	346,887.5	90,367.7	26.	346,236.3
Malaria treatment for children 0-5 years (IMCI)	3,560.3	87	30,171.7	4,124.0	35	30,548.1	4,637.2	15.2	30,507.8
TB									ı
Tuberculosis			•			•			
Diagnosis microscopy: Passive TB case finding	18,403.6	8'91	109,545.5	19,919.3	18.7	109,647.3	21,429.6	19.5	109,708.1
Diagnosis microscopy: Active TB case finding	18,403.6	8'91	109,545.5	6,919.3	18.2	109,647.3	21,429.6	19.5	109,708.1
Diagnosis microscopy: Household contact tracing	19,116.5	16.8	113,788.4	20,670.2	18.2	113,781.1	22,223.9	19.5	113,774.4

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Intervention	# of service	t	1	# of service	1		# of service	1	
	coverage	ő	NIM to	coverage	0 ₩	Z To	coverage	0	Z To #
Diagnosis microscopy: Child cases	1,356.3	16.8	8,073.0	1,466.6	18.2	8,073.0	576.9	19.5	8,073.0
Monitoring microscopy, Test to monitor first- line drug treatment, new bacteriologically confirmed cases	19,143.3	8791	113,948.0	20,700.6	18.2	113,948.0	22,257.8	19.5	113,948.0
Monitoring microscopy. Test to monitor first- line drug treatment, previously treated cases	1,749.2	879	10,412.0	21681	18.2	10,412.0	2,033.8	19.5	10,412.0
Monitoring microscopy: Test to monitor second-line treatment for RR-/MDR TB	871.1	8791	5,185.3	942.0	18.2	5,185.3	1,012.9	19.5	5,185.3
RR-Diagnosis Xpert: Resistance testing for new smear positive cases	19,143.3	879	113,948.0	20,700.6	18.2	113,948.0	22,257.8	19.5	113,948.0
RR-Diagnosis Xpert: Resistance testing for previously treated	1,749.2	8791	10,412.0	51661	18.2	10,412.0	2,033.8	19.5	10,412.0
Screening X-rays: Passive TB case finding	26,380.4	8791	157,026.0	28,526.4	187	157,036.0	30,672.4	19.5	157,026.0
Screening X-rays: Active TB case finding	26,380.4	16.8	157,026.0	28,526.4	18.2	157,026.0	30,672.4	19.5	157,026.0
Screening X-rays: Household contact trading	26,380.4	6.8	157,026.0	28,526.4	18.2	157,026.0	30,672.4	5761	157,026.0
Screening X-rays: Smear negative	7,237.1	8791	43,078,0	7,825.8	18.2	43,078.0	8,414.6	5761	43,078,0
Dignosis X-rays: HIV+	49.2	16.8	292.7	56.9	18.2	313.2	64.6	5761	330.6
Diagnosis X-rays: Children	1,356.3	16.8	0.670,8	1,466.6	18.2	8,073.0	1,576.9	19.5	8,073.0
Monitoring X-rays: Test to monitor treatment for new pulmorary cases	26,380.4	879	157,026.0	28,526.4	18.2	157,026.0	30,672.4	19.5	157,026.0
Monitoring X-rays: Test to monitor treatment for previously treated cases	1,749.2	8791	10,412.0	2168,1	18.2	10,412.0	2,033.8	19.5	10,412.0
Monitoring X-rays: Test to monitor treatment for MDR or RR-TB	952.1	879	5,667.0	1,029.5	18.2	5,667.0	0.701,1	19.5	5,667.0
Pirst-line TB treatment Initial treatment	31,630.2	16.8	188,275.0	34,235.1	18.2	188,450.0	36,831.0	19.5	188,554.4
First-line TB treatment: Initial treatment for children	1,271.2	8791	7,566.5	1,342.8	18.2	7,391.5	1,423.4	19.5	7,287.2
First-line TB treatment: Previously treated	1,195.6	8791	7,116.9	1,294.1	18.2	7,123.5	1.392.2	5761	7,127.5
First-line TB treatment: Previously treated for children	48.1	16.8	286.0	50.8	18.2	279.4	53.8	19.5	275.5
Second-line treatment	871.1	16.8	5,185.3	942.0	18.2	5,185.3	1,012.9	5761	5,185.3
XDR treatment	80.9	16.8	481.7	87.5	18.2	481.7	94.1	19.5	481.7
Education on causes, prevention and control of TB and other communicable diseases	40,888,601.7	25.5	160,347,457.5	48,346,369.7	29.8	162,508,469.5	55,986,818.4	34.0	164,667,113.0
Preventive therapy of contacts	33,436.4	16.8	199,026.0	36,156.4	18.2	0900661	38,876.4	19.5	199,026.0

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•		Tear-2016			rear-zoi /			Tear-2018	
Intervention	# of service coverage	ő	# of PINT	# of service coverage	0	NId Jo#	# of service coverage	0	Z Jo#
Leprosy					Ξ				
Leprosy	324,110.3	49.3	657,424.6	347,120.2	504	688,730.5	388,427.7	57.5	675,526.5
HIVAIDS			1	1	Ξ				ı
Prevention - Other				ı	Ξ				ı
Voluntary counseling and testing	ı	ı		3,494,120.7	120	29,117,672.7	7,084,891.3	13.0	54,499,163.8
PMTCT	86.3	45.0	191.7	76.6	420	182.4	599	35.0	6.681
BCC	24,255,601,8	27.0	89,835,562	28,864,503.7	31.0	93,111,302.2	33,576,206.2	36.3	92,411,577.7
Prevention of HIV infection at health facilities	13,475,334,3	15.0	81,745,762.7	18,230,210.9	220	82,864,595.1	23,102,896.3	25.0	92,411,585.3
Care and treatment				ı				•	ı
ART (Second-Line Treatment) for adults	17.1	6.5	416.5	178.8	7.5	2,379.3	212.7	8.5	2,492.8
Diagnostics/lab costs for HIV+ in care	0'61	6.5	291.9	25.0	7.5	333.1	29.8	28	349.0
Management of opportunistic infections associated with HIVAIDS	12.6	6.5	193.7	14.7	7.5	195.5	18.6	28	217.5
Etiologic management of STI	1,635,007.2	13.0	12,576,978.7	1,935,441.2	15.2	12,761,147.6	2,242,530.7	17.3	12,937,621.9
Syndromic management of STI	5,839.3	6.5	89,835.6	6,851.5	7.5	91,151.1	7,885.8	23	92,411.6
Nutrition			ı			•			ı
Adolescent Nutrition									
Assessment of nutritional status	5,277,190.7	879	31,411,849.1	5,525,588.8	17.6	31,395,390.6	5,762,504.7	18.5	31,148,674.2
Maternal Nutrition			1			•			ı
Vitamin A in post-partum	1,234,089.5	78	4,391,777.5	1,343,555.4	30.4	4,419,590.3	453,099.6	32.8	4,430,181.7
Assessment & counseling durin ANC	461,136.6	10.5	4,391,777.5	502,545.6	4.	4,408,294.4	543,988.5	123	4,422,671.1
Deworming	,627,602.2	<u>-</u>	8,992,277.4	5.160,687,1	961	9,128,017.9	1,953,219.9	21.1	9,256,966.2
Managemnt of anemia	5,620,173,4	12.5	44,961,387.	6,178,976.8	13.6	45,433,653,3	6,746,927.8	4.6	46,211,834,0
Onlid Nutritison		•	ı						ı
Deworming (children)	1,314,063.3	100	13,140,633.4	1,455,709.2	8701	3,478,788.6	579,436.3	1.7	3,499,455.6
Breastfeeding counselling and support	,429,808.3	47.2	3,029,255.0	9'650'505'1	49.6	3,034,353.9	1,579,520.7	51.9	3,043,392.4

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Intervention	# of service coverage	Ö	#ofPIN	# of service coverage	0 %	NIG Jo#	# of service coverage	0	NG 10#
Complementary feeding counselling and support	6'0	0791	56.4	86	173	56.5	10.5	18.7	56.2
Vitamin A supplementation in infants and children 6-59 months	7,293,051.6	NJ NJ	13,140,633.4	8,080,307.7	109	13,444,771.5	8,768,125.8	64.8	13,531,058.3
Daily iron supplementation for children 6 to 23 months	705,312.2	15.2	4,640,212.1	782,362.2	16.5	4,740,983.3	784,053.1	17.7	4,429,678.3
Management of severe acute malnutrition (children)	55,716.3	10.6	525,625.3	66,380.4	123	539,677.7	76,354.4	4	541,520.9
Management of moderate acute malnutrition (children)	883,050,6	8791	5,256,253,4	1,054,381,8	961	5,379,499.2	1,214,811.6	22.4	5,423,266.2
Assessment nutrition status, child	1,533,922.1	24,4	6,286,566.0	1,646,692.3	26.4	6,237,470.8	1,680,504.7	28.5	5,896,507.9
Other IYCF (Breastleeding within an hour of birth, Exclusive breastleeding for 6 months, Breastleeding until 23 months of age)	890,119.2	14.0	6,286,566.0	944,823,8	15.2	6,215,945.8	964,223.7	16.3	5,915,483.0
Mangement of SAM with associated complication (Vitamin A deficiency, Corneal douding/ ulceration, Dermatosis, Helminthiasis, Continuing Diarrhoeal dysentery)	24,704.4	4.7	525,625.3	27,322.5	- Si	535,735.9	29,603.2	5.5	538,239.2
Other			1			,			ı
Intermittent iron-folk add supplementation (menstrusting women where anaemia is public health problem) Non-communicable diseases	11,063,974.6	6,9	160,347,457.5	14,002,818.5	98	162,823,471,4	17,015,596.2	E0.	165,199,963.0
Dabetes mellitus (DM)						•			ı
Diagnosis of DM	4,314,244,6	25.6	16,852,517,8	5,548,397.4	32.0	17,338,742.0	6,848,418.0	38.4	7,834,421.9
Management of Type II DM	7,045.2	25.6	27,520.2	9,312.7	320	29,102.2	2718,11	38.4	30,774.7
Management of Type I DM	4,314,244.6	25.6	16,852,517.8	5,548,397.4	320	17,338,742.0	6,848,418.0	38.4	17,834,421.9
Identification and referral of long-term complications	1,724,055.9	35.6	6,734,593.2	2,182,976.0	320	6,821,800.1	2,653,446.1	38.4	6,910,015.9
Breast cancer									ı
Basic breast cancer awareness	4,136,447.6	9.7	44,961,387.	5,236,548.4	==2	45,535,203.1	6,361,830.7	13.8	46,100,222.4
Screening: Clinical breast exam	1,235,538.9	22.9	5,395,366.4	1,566,860.7	286	5,478,533,8	1,905,776.2	34.4	5,540,047.
Cervical cancer									
Visual inspection with acetic acid (VIA)	342,690.0	22.9	1,496,462.9	438,322.3	386	1,532,595.4	537,546.6	34.4	1,562,635.4

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Intervention	# of service coverage	ő	#of PINT	# of service coverage	8	Z d %	# of service coverage	0	NIM to #
Chronic Obstructive Pulmonary Disease (COPD)						,			
Counseling on smoking cessation	4,959,470.5	3.8	130,512,381.6	6,308,953.0	6,	131,436,520,4	7,699,982,4	5.7	135,087,411,2
Diagnosis and management of ambulatory cases	3,429.8	3.8	90,258.8	4,389.9	4. 00	91,456.2	5,398.5	5.7	94,709.7
Diagnosis and management of inpatient cases	3,429.8	3.8	90,258.8	4,389.9	4. 00	91,456.2	5,398.5	5.7	94,709.7
Sexual and Gender-Based Vickence									ı
Case identification & recognition	900,127.0	15.4	5,844,980.3	1,065,094.7	18.0	5,917,192.7	1,233,547.7	20.5	6,017,305.8
First-point Counseling	1,862,570.4	15.4	12,094,613.1	2,203,926.7	18.0	12,244,037.1	2,552,494.8	20.5	12,451,194.3
Prevention of Pregnancy: emergency contraosption	567,772.4	15.4	3,686,833.7	671,829.0	18.0	3,732,383.1	778,083.9	20.5	3,795,531.3
Treatment of minor injuries	678,557.3	15.4	4,406,215.9	802,917.5	18.0	4,460,652.9	929,905.2	20.5	4,536,122.8
Prophylaxis for STI	920,899.	15.4	5,979,864.5	8,673,89,	18.0	6,053,743,3	1,262,014,2	20.5	6,156,166.7
Psychological support	1,987,203.4	15.4	12,903,918.1	2,351,401.3	18.0	13,063,340.7	2,723,293.7	20.5	13,284,359.7
Medicolegal examination	2,077,216.1	15.4	13,488,416.1	2,457,910.8	18.0	13,655,060.0	2,846,648.5	20.5	13,886,090.3
NCD screening and management based on total risk assessment									
Screening for risk of CVD/diabetes	346.2	6.1	5,675.0	461.4	<u>ad</u>	5,695.8	581.0	10.1	5,752.8
Determine risk of CVD in next 10 years	38,162.4	1.9	625,613.1	51,852.9	<u></u>	640,159,2	66,328.1	10	656,714,1
Manage conditions and 18R complications	5,255.8	1.9	86,161.4	6,985.4	8	86,240.0	8,770.2	10.1	86,833.7
Arsenicosis									
Counseling on the consumption of safe water	350,198.8	33.6	1,042,238.5	413,895.5	50.00	6.55,855,9	479,153.9	44.8	1,069,539.9
Identify, treat skin conditions and refer	175,099.4	83	1,042,258.5	207,035.8	9761	1,056,305.1	239,755.3	22.4	1,070,336.2
Hyperbension (HTN)			1						1
Promote healthy lifestyle for HTN and other NCD control	579.	6.9	8,392.7	692.4	<u>-</u>	8,548.6	813.2	C.	8,839.5
Diagnosis of HTN	1,905,832.8	3.6	52,939,801.2	2,388,058.1	42	54.477,574.7	2,692,240.9	4 8	56,088,351.5
Management of HTN	649,776.7	3.6	18,049,352.5	780,290.4	5	18,578,342.7	918,396.3	87	19,133,256.9
Lab follow-up of HTN cases	198,542.9	Ξ	18,049,352.5	236,364.0	<u>E:</u>	18,174,156.7	276,160.3	4	19,725,735.7
Identify and refer CVD	203,055.2	3.6	5,640,422.7	243,840.7	4.2	5,805,732.1	286,998.9	8,4	5,979,142.8

		Year-2016			Year-2017	7	X	Year-2018	
Intervention	# of service coverage	8	#of PINT	# of service coverage	8	NId Jo#	# of service coverage	0 %	# of PIN
Adolescent Health									
Adolescent Health						1			•
Counseling on puberty, safe sexual behavior, prevention of early marriage, mental health, HIV/AIDS, substance abuse, etc.	3,926,481.1	12.5	31,411,849.1	4,246,034.5	13.6	31,220,841.9	4,555,914.5	14.6	31,204,893.6
Screening for STI	7,224.7	5:	62,823.7	7,813.1	12.5	62,505.0	8,383.7	3.4	62,565.0
Syndromic management of STI	7,224.7	5.1	62,823.7	7,813.1	12.5	62,505.0	8,383.7	13,4	62,565.0
Etiologic management of STI	7,224.7	11.5	62,823.7	7,813.1	12.5	62,505.0	8,383.7	13.4	62,565.0
H information and provision	5,654,132.8	18.0	31,411,849.1	6,110,529.4	561	31,336,048.0	6,553,027.7	21.0	31,204,893.6
Neglected Tropical Diseases						ı			1
Kala-azar									
Cutaneous leishmaniasis	39,402.5	86.5	45,552.0	35,243.7	76.4	46,130.5	30,552.8	66.3	46,082.6
Visceral leishmanaisis	25,828.0	56.7	45,552,0	23,790.4	3 5	46,105.5	21,402.3	46.5	46,026.4
Lymphatic filariasis									
Mass Drug Administration of population at risk	7,732,788.6	398	8,939,640,0	7,959,003.7	67.9	9,054,611.7	8,078,051.6	89.4	9,035,852,0
Surgical treatment of hydrocele	5,068,775.9	56.7	8,939,640,0	5,218,005.1	57.6	9,059,036.6	5,296,984.	58.6	9,039,221.9
Medical management of lymphedema	7,732,788.6	86.5	8,939,640,0	7,959,003.7	87.9	9,054,611.7	8,078,051.6	89.4	9,035,852,0
Clinical diagnosis	7,732,788.6	86.5	8,939,640,0	7,959,003.7	67.0	9,054,611.7	8,078,051.6	89.4	9,035,852,0
Lab diagnosis	7,732,788.6	86.5	8,939,640,0	7,959,003.7	67.9	9,054,611.7	8,078,051.6	89.4	9,035,852,0
Management of acute attacks	7,732,788.6	86.5	8,939,640,0	7,959,003.7	87.9	9,054,611.7	8,078,051.6	89.4	9,035,852,0
Neoratal Health						ı			
Immediate newborn care						ı			
Chlorheoidine	666,436.	22.0	3,029,255.0	723,673.9	23.8	3,040,646.5	780,636.2	25.7	3,037,494.8
immediate newborn care [Cord outling and tying. Prevention and management of hypothermia & newborn conjunctivitis, Promotion of easential newborn care & practice; identification of danger signs, breathing problems & LBW babies, Special care of preterm.)	54,526.6	<u>a</u>	3,029,255,0	76,416.0	2.5	3,056,641.0	98,339,8	33	3,073,117.7

		Year-2016			Year-2017	4	*	Year-2018	
Intervention	# of service coverage	ő	#ofPINT	# of service coverage	S	NId Jo#	# of service coverage	0 %	NIN #
Newborn care after delivery									
Newborn care after delivery (Birth registration, Weighing, temperature management, Screening for congenital problems, identification of Sepsis, comphalitis, recoratal jaundice and identification and management of breastfeeding problems)	9.106,361	6.5	3,029,255.0	279,854.4	9.2	3,041,896.1	362,945.0	1.9	3,049,957.8
Necratal emergencies									
Newborn sepsis - Full supportive care	9,958.7	26.3	37,865.7	10,564.1	27.8	38,000.4	11,164.6	29.4	37,974.9
Newform sepsis - Injectable antibiotics	9,958.7	26.3	37,865.7	10,564.1	27.8	38,000.4	11,164.6	29.4	37,974.9
Necratal emergencies (Management of breathing problems, omphalitis, LBW babies, and necnatal jaundice)	286,809.9	263	8,162,090,1	304,246.7	27.8	1,094,412.5	321,541.0	29.4	8,973,676,8
Family Planning/ Reproductive Health									
Pre-Conception Care									
Pre-conception care (Promote health, FP, nutrition, child survival and safe motherhood, Screening for malnutrition, Prevent/ID HIV/AIDS, STI, congenital anomalies, Counseling on best practices during pregnancy)	5,305,443.7	8.	44,961,387.1	5,776,166.8	12.7	45,481,628.6	6,254,000.0	13.5	46,325,925,9
Tetanus toxoid for women of reproductive age	8,992,277.4	200	44,961,387.1	14,121,205.7	31.0	45,552,276.4	19,378,160.9	41.9	46,248,593.9
Family Planning Counseling									
P counseling	17,762,625.4	3.1	33,451,272.0	19,366,873.2	57.1	33,917,466.1	20,995,701.0	61.1	34,362,849.4
Family planning methods			ı			ı			
Pill - Standard daily regimen	1,800,541.7	13.0	13,850,320.6	1,860,257.0	13.1	14,200,435.3	1,920,023.9	13.2	14,545,635.4
PII - post coital contraception	694,653.4	5.0	3,893,068.4	717,692.2	5.0	4,353,844.3	740,749.5	- Ni	14,524,900.
Condom - Male	425,967.2	3.	13,740,877.6	440,451.3	_	14,208,106.1	454,997.8	— mi	14,677,347.6
Injectable - 3 month (Depo Provers)	826,915.5	3	13,781,924.2	854,340.2	3	14,239,004.1	881,788.8	-30	14,455,553.3
IUD - Copper-T 380-A IUD (10 years)	9,520.3	0.3	3,173,432.1	9,754.7	63	3,251,583.2	9,955.2	0.3	3,318,406.4
Implant - Implanon (3 years)	52,098.2	870	6,512,278.4	57,829.7	670	6,425,519.0	63,234.6	9	6,323,464.2
Female sterilization	16,365.0	2.2	743,862.3	16,907.7	77	768,532.7	17,138.4	22	9710,677
Male sterilization	4,260.8	970	710,139,8	4,405.7	970	734,286.6	4,469.7	9.0	744,953.3

							•		
		rear-zule			7 ear-701 /	11.7		1 ear-2018	
Intervention	# of service coverage	ზ ჯ	#of PIN	# of service coverage	0 %	NIG Jo#	# of service coverage	8	NIM #
Management of FP complications									
Management of FP complications	514,721.5	15.0	3,431,476.5	577,196.3	16.3	3,541,081.5	642,756.0	17.5	3,672,891.6
Menstrual regulation									
Σ.	2,427,914.9	5,4	44,961,387.1	2,546,071.3	5,6	45,465,559,8	2,664,884,0	5,8	45,946,275,3
Management of Other Common Conditions									
Eye care									
Treatment of acute conjunctivitis	172,405,6	25.6	673,459.3	190,427,4	27.9	682,535.6	208,863.8	30.2	611091169
Treatment of corneal ulcer	172,405.6	25.6	673,459.3	190,427.4	27.9	682,535.6	208,863.8	30.2	611091169
Detection of cataract and visual impairment	1,666,473.4	93	17,919,068.9	1,840,270.0	10.1	18,220,495.1	2,018,064.3	011	18,346,039.4
Bran									
Identification and referral of hearing impairment.	32,839.2	25.6	128,278.0	36,271.9	27.9	130,006.8	39,783.6	30.2	131,733.7
Management of oritis media	32,839,2	25.6	128,278,0	36,271.9	27.9	130,006.8	39,783.6	30.2	131,733,7
Dental care			ı			ı			
Promotion of oral hygiene	47,911.8	33.7	144,312,7	49,361.9	338	146,041.3	50,832.7	34.3	148,200.4
Treatment of common dental diseases	47,911.8	33.2	144,312,7	49,361.9	338	146,041.3	50,832.7	34.3	148,200.4
Tooth extraction (mobile teeth)	38,997.	33.2	117,461.1	40,344.1	33.8	119,361.2	41,701.5	34.3	121,578.7
Treatment of common skin diseases									
Treatment of common skin diseases	211,674.7	30.7	689,494.1	214,527,4	30.7	698,786.4	217,377.1	30.7	708,068.6
Emergancy care									
RTA_ stabilization & referral	94,4126	25.6	368,799.2	99,671.9	797	373,302.9	105,035.6	27.7	379,190.1
Drowning	2,940,4	25.6	11,486.0	3,127.4	797	11,713.2	3,319.0	27.7	11,982.0
First aid in minor injuries	287,342.6	25.6	1,122,432.2	303,349.2	797	1,136,139.3	319,673.7	27.7	1,154,056.7
Poisoning & anakebite	4,104.9	25.6	16,034.7	4,333.6	767	16,230.6	4,566.8	27.7	16,486.5
Other communicable diseases			ı			ı			ı
Hepatitis diagnosis & management	77,447.8	21.0	368,799.2	81,793.2	21.9	373,485.0	86,225.2	22.8	378,180.7
Typhoid diagnosis & management	57,147.8	39.6	144,312,7	60,331.3	41.3	146,080.6	63,578.0	429	148,200.4

		Year-2016			Year-2017	1	×	Year-2018	
Intervention	# of service coverage	ő	#ofPIN	# of service coverage	0 %	NILLO #	# of service coverage	8	#of PIN
Diarrhea & dysentery	139,037.3	29.9	465,007.6	146,802,0	 	472,032.2	154,721.2	324	477,534.6
Dergue									ı
Lab monitoring of suspected case	96,208.5	9	1,603,474.6	109,422.3	29	1,633,168.9	122,951.5	7.5	639,353,3
OPD management	141,105.8	88	1,603,474.6	160,612.5	о: о:	1,622,348.3	180,585.0	°=	1,641,681.7
Inpatient management	141,105.8	3	1,603,474.6	160,612.5	6.6	1,622,348,3	180,585.0	9	1,641,681.7
Rabiess						•			•
Rabies post exposure prophylaxis	17,028.9	35.4	48,104.2	19,338.5	39.7	48,711.6	21,703.1	43.9	49,437.6
Total	347,715,658		1,707,629,525	396,924,966		,759,744,027	445,670,624		1,813,161,205
Weighted average of coverage		20.6			22.6			24.6	

	8	Year 2019	6	*	Year 2020	120	Ye	Year 2021	Į.	Target	year	Target year (2022)
Interventions	# of service	8	# of PIN	# of service coverage	3 % C	NIG Jo#	# of service coverage	8	%C#ofPIN	# of service coverage	8	#of PIN
Maternal Health										l		
Antenatal care (ANC)												
Daily iron and folic acid supplementation (pregnant women)	1,081,416.5	74.3	4,450,273.5	1,168,964.9	26.2	4,461,698.0	1,255,670.7	28.1	4,468,579.0	1,341,168.2	30.0	4,470,560.5
Identify and manage hypertension in pregrancy	611,912.6	3.8	4,434,149.3	661,818,4	8,4	4,471,745.9	711,249.0	15.9	4,473,264.0	759,995.3	17.0	4,470,560.5
identify and manage pregnancy complications	611,912.6	13.8	4,434,149.3	661,818.4	<u>4</u>	4,471,745.9	711,249.0	15.9	4,473,264.0	759,995.3	17.0	4,470,560.5
Caldium supplementation for prevention and treatment of pre-eclampsia and eclampsia	611,912,6	3,8	4,434,149.3	661,818.4	8,4	4,471,745.9	711,249.0	63	4,473,264.0	759,995.3	17.0	4,470,560.5
Tetanus toxoid (pregnant women)	2,209,560.8	49.6	4,454,799,7	2,384,033,8	53,4	4,464,482.8	2,556,772.1	57.2	4,469,881.3	2,727,041.9	0.13	4,470,560.5
Syphilis detection and treatment (pregnant women)	6,488.5	74.3	26,701.6	7,013.8	76.7	26,770.2	7,534,0	28.1	26,811.5	8,047.0	30.0	26,823,4
Other Antenatal care (Including screening counsellings diagnostic tests)	611,912.6	878	4,434,149.3	661,818.4	14,8	4,471,745.9	711,249.0	15.9	4,473,264.0	759,995.3	17.0	4,470,560.5
Micronutrientsupplements (Vitamin B complex)	778,797.9	17.5	4,450,273.5	817,977.8	83	4,469,824.1	856,477.8	19.2	4,460,82 .8	894, 112.	20.0	4,470,560.5
Postnatal care (PNC)												
Maternal sepsis case management	35,446.4	17.7	200,262.3	39,084.5	19.5	200,433.2	42,697.3	21.2	201,402.2	46,270.3	23.0	201,175.2
Other Postnatal Care (Counseling, Postnatal dinical history, Identification and management of postnatal complication)	587,436.1	<u></u>	4,450,273.5	645,459,1	14.5	4,451,442,2	703,056.3	15.7	4,478,065.5	759,995.3	17.0	4,470,560.5
Normal delivery												
identify and refer obstetric emergencies	75,999.5	74.3	02,387.4	81,240.1	79.2	102,575.9	96,418.6	84.	102,756.9	91,512.4	89.0	102,872.9
Management of Fremature rupture of membranes (PROM)	78,131,2	24.1	324,196.0	80,448.9	24.7	325,704.0	82,693.3	25.4	325,564.1	84,851.2	26.0	326,350.9
Normal labor and delivery (facility)	373,823,0	8.4	4,450,273.5	383,706.0	986	4,461,698.0	393,235.0	8	4,468,579.0	402,350.4	9.0	4,470,560.5
Active management of the 3rd stage of labour	418,325,7	9.4	4,450,273.5	428,323.0	976	4,461,698.0	437,920.7	0. 00	4,468,579.0	447,056.1	10.0	4,470,560.5
Antenatal corticostreroids for preterm labor	66,754.	15.0	445,027,4	68,412,7	15.3	447,141,8	70,007.8	15.7	445,909.3	71,529.0	0.91	447,056.
Normal labor and delivery (frome)	404,974.9	9%	4,450,273.5	419,399.6	9.4	4,461,698.0	433,452.2	76	4,468,579.0	447,056.1	10.0	4,470,560.5
Induction of labor (beyond 41 weeks)	34,712.1	15.6	222,513.7	35,842,3	9	222,623.1	36,940.2	16.5	223,890.3	37,999.8	17.0	223,528.0

^UCoverage V Population in need

Hole Proposition		\$	Year 2019	•	*	Year 2020	20	Š	Year 2021	E	Партор	, and a	Target year (2002)
2,315.3 15.6 35,157.2 5,663.1 16.1 2,484.5 15.6 35,157.2 5,663.1 16.1 2,315.3 15.8 14,653.9 2,467.8 16.9 114,995.1 19.0 605,237.2 123,380.8 20.3 110,3482.2 16.9 17.9 173,596.4 15.8 465,800.0 78,860.5 16.8 173,596.4 15.8 465,800.0 78,860.5 16.8 13,536,149.1 32,434,821.2 341,319.9 7.7 4,887.7 21.1 35,491.7 76,234.4 2,234,440 19.6 16,097.3 34.8 1,770,334.5 6,234,086.6 35.9 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 14,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 14,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,7	Interventions	# of convices			H collections			# of convince			# of copying		
5,4845 15,6 35,1572 5,663.1 16.1 2,315.3 15,8 14,653.9 2,467.8 16.9 114,995.1 19,0 605,237.2 123,380.8 20.3 103,482.2 16,9 612,30.8 110,212.9 17.9 73,596.4 15,8 465,800.0 78,860.5 16.8 73,596.4 15,8 465,800.0 78,860.5 16.8 13,755,964.9 38,9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34,8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,086,555.0 18,8 21,747,633.1 4,253,424.0 19.6 64,720.0 12,1 534,876.3 67,363.1 12.6 64,720.0 12,1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 7,000,700,700,700,700,700,700,700,700,7							NIO Jo #		# ∪ %	Zid jo #	coverage	U %	NIO H
14,995. 15.8 14,653.9 2,467.8 16.9 114,995. 19.0 605,237.2 123,380.8 20.3 103,482.2 16.9 612,370.8 110,212.9 17.9 73,596.4 15.8 465,800.0 78,860.5 16.8 218,285.9 4.9 4,454,814.6 233,644.4 5.2 319,307. 7.2 4,434,821.2 341,319.9 7.7 319,307. 7.2 4,434,821.2 341,319.9 7.7 13,685,149. 38.6 35,362,377.6 14,028,227.7 40.0 13,685,149. 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 678,403.4 12.6 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,688.5 7.7 1,167,768.0 7.8 1,153,688.5 7.7 1,167,768.0 7.8 1,153,688.5 7.7 1,167,768.0 7.8 1,153,688.5 7.7 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,76	agement of ectampsia (Magnesium sulphate)	5,484.5	15.6	35,157.2	5,663.1	9	35,174.4	5,836.6	16.5	35,373.	6,004.0	17.0	35,317.4
114,995.1 19.0 605,237.2 123,380.8 20.3 103,482.2 16.9 612,330.8 110,212.9 17.9 73,596.4 15.8 465,800.0 78,860.5 16.8 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,451.2 341,319.9 7.7 4,484.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,233,424.0 19.6 23,668.5 43.0 815,301.2 360,223.7 44.4 44.4 2350,59.5 43.0 815,301.2 360,223.7 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 4	natal resuscitation (institutional)	2,315,3	15.8	14,653.9	2,467.8	6.9	4,602	2,617.2	17.9	14,621.5	2,763.0	0.61	14,542.0
114,995.1 19.0 605,237.2 123,380.8 20.3 103,482.2 16.9 612,320.8 110,212.9 17.9 173,596.4 15.8 465,800.0 78,860.5 16.8 17.9 17.84,559.7 986,413.0 55.1 1784,559.7 986,413.0 55.1 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,437.42 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 7,170,763.1 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7 7,170,763.7	tetrical errergencies												ı
103,482.2 16.9 612,330.8 110,212.9 17.9 73,596.4 15.8 465,800.0 78,860.5 16.8 173,596.4 15.8 465,800.0 78,860.5 16.8 218,285.9 4.9 4,454,814.6 233,644.4 5.2 319,307.1 7.2 4,434,821.2 341,319.9 7.7 13,687.7 21.1 35,437.54.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 7,4887.7 21.1 35,4917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 11,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7	agement of pre-edampsia (Magnesium hate)	114,995.1	0.61	605,237.2	123,380.8	203	607,787.2	131,674.1	21.7	606,793.3	139,839.1	23.0	607,996.2
73,596.4 15.8 465,800.0 78,860.5 16.8 218,285.9 4.9 4,454,814.6 233,644.4 5.2 319,307.1 7.2 4,434,821.2 341,319.9 7.7 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,687,149.1 38.6 35,437,54.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 7,4887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 11,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,768.0 7.8 1,167,7	agement of obstructed labor	103,482,2	69		110,212.9	17.9	615,714.3	116,857,8	18.9	618,295,3	123,387.5	200	616,937.3
13,525,174 51.7 1,784,559.7 986,413.0 55.1 218,285.9 4.9 4,454,814.6 233,644.4 5.2 319,307.1 7.2 4,434,821.2 341,319.9 7.7 13,585,149.1 38.6 35,362,377.6 14,028,227.7 40.0 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,4917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 64,720.0 12.1 534,876.3 67,363.1 12.6 11,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,167,768.0 7.8	itment of postpartum hemorrhage	73,596,4	15.8	465,800.0	78,860.5	16.8	469,407.7	84,065.2	17.9	469,637.8	89,187.7	0.61	469,408.9
218,285.9 4.9 4,454,814.6 233,644.4 5.2 319,307.1 7.2 4,434,821.2 341,319.9 7.7 13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 1,153,668.5 43.0 815,301.2 360,223.7 44.4	er EmONC (Management of Ante-partum morthags, prolapsed condishoulder dystocia, coval of retained products, Repair vaginal cervical tears, Assisted vaginal delivery, of transfusion)	922,617.4	5.12	1,784,559,7	986,413.0	uń uń	1,790,223.1	1,049,456.3	58.6	1,790,881.0	1,111,470.8	62.0	1,792,694.8
319,307.1	arrean section	218,285.9	6 ;	4,454,814.6	233,644.4	5.7	4,493,161.6	248,825.2	35	4,443,307.6	263,763.	e)	4,470,560.5
13,755,964.9	er obstetric emergencies (genital prolapse)	319,307,1	7.7	4,434,821,2	341319.9	7.7	4,432,725,9	363,072,0		4,482,370.9	384,468.2	9.6	4,470,560.5
13,755,964.9 38.9 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 3350,579.5 43.0 815,301.2 360,223.7 44.4	d Health & EPI												1
13,685,149.1 38.6 35,362,377.6 14,028,227.7 40.0 13,685,149.1 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 54,720.0 12.1 534,876.3 67,363.1 12.6 11,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	grated Management of Child Illnesses (IMCI)										•		
13,685,149.1 38.6 35,453,754.2 13,934,786.4 39.8 616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4		13,755,964.9	68	35,362,377.6	4,028,227,7	40.0	35,070,569.2	14,027,053.6	41.2	34,046,246.7	14,321,890.6	424	33,778,043.9
616,097.3 34.8 1,770,394.5 628,408.6 35.9 74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	(darrhea treatment)	13,685,149.1	38.6	35,453,754.2	13,934,786.4	39.8	35,012,026.1	13,913,609.8	40.9	34,018,605.8	14,186,778.4	42.0	33,778,043.9
74,887.7 21.1 354,917.9 76,273.4 21.8 4,088,555.0 18.8 21,747,633.1 4,253,424.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	biotics for treatment of dysentery	616,097.3	34.8	,770,394.5	628,408.6	35.9	1,750,441.9	628,466.3	36.9	1,703,160.8	641,782.8	38.0	1,688,902.2
4,088,555.0 18.8 21,747,633.1 4,253,434.0 19.6 64,720.0 12.1 534,876.3 67,363.1 12.6 11.153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	tment of severe dampea	74,887.7	2	354,917.9	76,273.4	2	349,878.0	76,176.0	22.4	340,071.5	77,689.5	23.0	337,780.4
1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	umonia treatment (children)	4,088,555.0	8.8	21,747,633.1	4,253,424.0	976	21,701,1429	4,331,831.1	20.4	21,234,466.2	4,501,067.0	21.3	21,131,769.8
1,153,668.5 7.7 14,982,707.8 1,167,768.0 7.8 350,579.5 43.0 815,301.2 360,223.7 44.4	tment of severe pneumonia	64,720.0	17	534,876.3	67,363.	12.6	534,627.6	68,615.2	13.2	519,811.9	71,331.5	13.7	520,667.9
unitation (EP) 350,579.5 43.0 815,301.2 360,223.7	or IMCI activities (Treatment of simple r, severe febrile disease, Lab diagnosis for r, acute ear infection, chronic ear infection, titlication of darger signs & referral, nseling to parents on darger signs & titon)	1,153,668.5	F.	14,982,707.8	1,167,768.0	7.8	14,971,384.1	8.287,785.8	7.9	14,680,833.5	1,176,974.3	80	14,712,178.9
am of Immunization (EPI)	(Cough/cold, wheeze)	350,579.5	43.0		360,223.7	4.4	811,314.7	362,927.3	45.7	794,151.6	373,395.1	47.0	794,457.7
STATE STATE OF THE	inded Program of Immunization (EPI)			•			•						•
5,514,1.0t/ /3t/ 8,848,586.4 6,530,435.U	Measles vaccine	6,514,120.7	73.7	8,838,698.4	6,590,455.0	74.4	8,858,138,4	6,659,992.5	75.2	8,856,373.	6,722,193.8	76.0	8,844,991.9

	\$	Vacar 2010	0	>	OCOC MONA	0.0	\$	CUC -SEX	_	Townson T	2000	Townshivene (2002)
Interventions	# of service			# of service	1		# of service			# of service	1	
		o X	NA TO #	coverage	o	NI IO	coverage	U X	Z d o		υ %	Z To
Polio vaccine	6,589,300.7	74.5	8,844,698.9	6,670,142.5	75.3	8,858,091.0	6,744,109.4	76.2	8,850,537.3	6,810,643.7	77.0	8,844,991.9
BCG vaccine	7,540,105.8	85.3	8,839,514.4	7,629,345.	86.2	8,850,748.3	7,710,715.3	87.	8,852,715.6	7,783,592.9	88.0	8,844,991.9
Pneumococcal vaccine	4,059,716.8	45.9	8,844,698.9	4,244,099.4	47.9	8,860,332.8	4,424,254.0	50.0	8,848,507.9	4,599,395.8	52.0	8,844,991.9
Other EM activities (Counseling parents on immunization and adverse effects, Registering eligible children, Follow-up of defaulters & to identify adverse effects)	7,526,838.7	85.1	8,844,698.9	7,620,490.9	*8	8,850,744.4	7,706,288.1	87.0	8,857,802.4	7,783,592.9	88.0	8,844,991.9
Inactivated polio vaccine (IPV)	6,589,300.7	74.5	8,844,698.9	6,670,142.5	75.3	8,858,091.0	6,744,109.4	76.2	8,850,537.3	6,810,643.7	77.0	8,844,991.9
Vaccine, Pentavalent	7,128,827.3	9008	8,844,698.9	7,207,295.9	7. 00	8,854,171.9	7,278,325.2	82.2	8,854,410.3	7,341,343.3	83.0	8,844,991.9
Mahria						ı						
Prevention												
Vector control (other)	14,796,578.6	4.	33,325,627.4	6,523,308.8	48.9	33,789,997.6	18,286,821.8	53.5	34,180,975.3	20,084,726.9	58.0	34,628,839,4
BCC	3,322,507.4	30,00	11,149,353.6	3,661,917.7	32.8	11,164,383,3	4,000,453.3	35.9	11,143,323.9	4,342,081.4	39.0	11,133,542.0
Case management						-			-			-
Mahria diagnosis (mahrial fevers)	153,544.5	44.4	345,821.0	169,069.1	48.9	345,744.6	184,553.6	53.5	344,960.0	200,181.1	58.0	345,139,8
Malaria treatment (children 5-14)	153,544.5	4	345,821.0	169'069	489	345,744.6	184,553.6	53.5	344,960.0	200, 181.	58.0	345,139,8
Makria treatment (adults, excluding pregrant women)	153,544.5	44.4	345,821.0	1.690,691	48.9	345,744.6	184,553.6	53.5	344,960.0	200,181.1	58.0	345,139.8
Treatment of malaria (pregnant women)		85			32,0			35.0			38.0	
Treatment of severe matrix (5+)	100,574.3	95	345,616.1	110,753.6	320	346,105.1	20,906.6	35.0	345,447.5	131,153.2	38.0	345,140.0
Makina treatment for children 0-5 years (IMCt)	5,148.8	6.9	30,466.6	5,659.1	98	30,425.5	6,168.1	203	30,384.9	6.183,9	22.0	30,372.3
£			•			•						•
Tuberculosis												
Diagnosis microscopy: Passive TB case finding	22,935.1	20.9	109,737.3	24,437.3	223	109,748.2	25,936.6	23.6	109,746.0	27,436.5	25.0	109,746.0
Dagnosis microscopy. Active TB case finding	22,935.1	900	109,737.3	24,437.3	22.3	109,748.2	25,936.6	23.6	109,746.0	27,436.5	25.0	109,746.0
Dagnosis microscopy: Household contact tracing	23,777.6	200	13,768.2	25,331.1	E	13,762.5	26,884.6	23.6	13,757.	28,439.3	25.0	113,757.
Dagnosis microscopy: Child cases	1,687.3	20.9	8,073.0	9764	223	8,073.0	67061	23.6	8,073.0	2,018.3	25.0	8,073.0
Monitoring microscopy: Test to monitor first- line drug treatment, new bacteriologically	23,815.1	93.9	113,948.0	25,372.4	223	113,948.0	26,929.7	23.6	113,948.0	28,487.0	25.0	113,948.0

	×	Year 2019	•	×	Year 2020	50	Š	Year 202	10	Target	Weg	Target year (2002)
Interventions	# of service	00 %	Na de la constante de la const	# of service	0 %	NIG Jo #	# oil service	0 %	VIDIN	# of service	8	Zid to #
confirmed cases												
Monitoring microscopy: Test to monitor first- line drug treatment, previously treated cases	2,176.1	600	10,412.0	2,318.4	223	10,412.0	2,460.7	23.6	10,412.0	2,603.0	25.0	10,412.0
Monitoring microscopy. Test to monitor second-line treatment for RR-MDR TB	1,083.7	66	15 15 15 15 15 15 15 15 15 15 15 15 15 1	1,154.6	23	5,185.3	1,225.5	23.6	5,185.3	296.3	25.0	5,185.3
RR-Diagnosis Xpert: Resistance testing for new smear positive cases	23,815.1	Ŕ	113,948,0	25,372.4	223	113,948.0	26,929.7	23.6	113,948.0	28,487.0	25.0	113,948.0
RR-Diagnosis Xpert: Resistance testing for previously treated	2,176.1	670	10,412.0	2,318.4	233	10,412.0	2,460.7	23.6	10,412.0	2,603.0	25.0	10,412.0
Screening X-rays: Passive TB case finding	32,818,4	87.0	157,026.0	34,964.5	23	157,026.0	37,110.5	23.6	157,026.0	39,256.5	25.0	157,006.0
Screening X-rays: Active TB case finding	32,818.4	20.9	157,036.0	34,964.5	23	157,026.0	37,110.5	23.6	157,036.0	39,256.5	25.0	157,026.0
Screening X-rays: Household contact tracing	32,818,4	30,9	157,026.0	34,964.5	22.3	157,026.0	37,110.5	23.6	157,036.0	39,256.5	25.0	157,006.0
Streening X-rays: Smear negative	9,003.3	600	43,078.0	9,592.0	223	43,078.0	10,180.8	23.6	43,078.0	10,769.5	25.0	43,078.0
Diagnosis X-rays: HIV+	5	20.9	344.7	79.4	23	356.6	186.7	23.6	366.7	216	25.0	366.7
Diagnosis X-rays: Children	1,687.3	600	8,073.0	9762	2	8,073.0	67061	23.6	8,073.0	2,018.3	25.0	8,073,0
Monitoring X-rays: Test to monitor treatment for new pulmorary cases	32,818.4	20.9	157,026.0	34,964.5	223	157,026.0	37,110.5	23.6	157,036.0	39,256.5	25.0	157,036.0
Monitoring X-rays Test to monitor treatment for previously treated cases	2,176.1	20.9	10,412.0	2,318.4	223	10,412.0	2,460.7	23.6	10,412.0	2,603.0	25.0	10,412.0
Monitoring X-rays: Test to monitor treatment for MDR or RR-TB	1,184.4	803	5,667.0	1,261.9	223	5,667.0	1,339.3	23.6	5,667.0	1,416.8	25.0	5,667.0
First-line TB treatment: Initial treatment	39,418.4	68	188,604.7	42,000.1	23	188,623.4	44,577.	23.6	188,619.7	47,154.9	25.0	188,619.7
First-line TB treatment: Initial treatment for children	1,512.5	30.9	7,236.9	1,607.3	223	7,218.2	1,706.8	23.6	7,221.9	1,805.5	25.0	7,221.9
First-line TB treatment: Previously treated	1,490.0	600	7,129.4	587.6	203	7,130.1	0.288,1	23.6	7,129.9	1,782.5	25.0	7,129.9
Prst-line TB treatment Previously treated for children	57.2	6.02	273.6	8:09	23	272.9	64.5	23.6	273.0	68.2	25.0	273.0
Second-line treatment	1,083.7	900	5,185.3	1,154.6	223	5,185.3	1,225.5	23.6	5,185.3	296.3	25.0	5,185.3
XDR treatment	100.7	900	481.7	107.3	22.3	481.7	8.611	23.6	481.7	120.4	25.0	481.7
Education on causes, prevention and control of TB and other communicable diseases	63,807,117.2	38.3	166,815,992.8	71,803,744.9	42.5	168,949,988.1	79,972,770.6	46.8	171,064,750.0	88,303,540.5	51.0	173,144,197.0
Preventive therapy of contacts	41,596.4	20.9	090060	44,316.5	22.3	199,036.0	47,036.5	23.6	0.900,661	49,756.5	25.0	199,036.0
Leprosy									•			

	Š	Year 2019	0	*	Year 2020	90	Š	Year 2021	100	Terrore	8	Target year (2002)
Interventions	# of service	•	- 1	# of service	(# of service	1		# of service		
	coverage		A DIE	coverage) 8	Z	coverage	J R	ZIZ ID #) K	Z
Leprosy	421,652.4	9 9	684,500.7	455,562.4	65.8	692,344.1	490,137.5	6.69	701,198.2	525,319.5	74.0	709,891.2
HIVAIDS						•						
Prevention - Other			•			•			•			•
Voluntary counseling and testing	10,765,626.6	14.0	76,897,333.1	14,529,085.8	153	94,754,928.2	18,367,543.6	1.9	114,013,306.1	22,273,516,7	979	134,991,010.5
PMTCT	56.3	3000	187.7	46.3	25.0	185.3	36.6	20.0	1828	27.	15.0	80.4
BCC	38,381,799.3	41.0	93,614,144.7	43,271,420.4	45.7	94,754,934.4	48,234,755.	20.3	95,830,639.9	53,262,757.4	55.0	96,841,377.1
Prevention of HIV infection at health facilities	28,084,243.4	3000	93,614,144.7	33,164,224.9	35.0	94,754,928.2	38,332,258.3	40.0	95,830,645,6	43,578,619,7	45.0	96,841,377.
Care and treatment			•			•			•			•
ART (Second-Line Treatment) for adults	248.	976	2,597.6	285.1	9701	2,697.8	322.5	9"	2,784.4	361.1	12.6	2,865.5
Diagnostics/lab costs for HIV+ in care	34.7	9%	363.7	39.9	901	377.7	45.2	9 =	389.8	50.5	12.6	401.2
Management of opportunistic infections associated with HIV/AIDS	22.6	9.6	236.5	26.4	9701	250.3	30.6	9"	263.8	34.7	12.6	275.7
Etiologic management of STI	2,555,666.1	5761	13,105,980.3	2,874,233.3	21.7	13,265,689.9	3,197,548.8	23.8	13,416,290.4	3,525,026.1	26.0	13,557,792.8
Syndromic management of STI	8,940.2	96	93,614.1	10,012,4	9701	94,754.9	11,100.4	= 26	95,830.6	12,202.0	12.6	96,841.4
Nutrition												ı
Adolescent Nutrition												ı
Assessment of nutritional status	5,988,938.7	19.3	31,030,770.4	6,207,096.5	20.1	30,881,077.3	6,419,385.6	21.0	30,568,502.8	6,590,936.6	21.8	30,233,654.0
Maternal Nutrition						•			•			•
Vitamin A in post-partum	562,046.0	35.1	4,450,273.5	670,162,1	37.4	4,465,674,2	1,777,005.1	39.8	4,464,836.8	1,882,106.0	42.	4,470,560.5
Assessment & counseling durin ANC	585,211.0	13.2	4,433,416.4	626,124.8	14,0	4,472,320.0	666,563.2	6.4	4,473,578.4	706,348.6	15.8	4,470,560.5
Deworming	2119,651.0	22.6	9,378,986.8	2,288,000.6	24.2	9,454,548.1	2,457,874.6	25.7	9,563,714.4	2,628,963.2	27.2	9,665,305.9
Managemnt of anemia	7,322,856.2	15.7	46,642,395.9	7,905,435.6	191	47,337,937.8	8,493,305.6	17.8	47,715,200.0	9,085,387.5	18.8	48,326,529.5
Child Nutrition			ı									
Deworming (children)	8'859'638'8	12.5	13,597,110.8	1,806,947.8	<u>m</u>	3,586,073.6	1,874,246.7	4.2	13,198,920.5	1,985,048.5	15.0	3,233,656.7
Breastfeeding counseling and support	652,498,4	54.3	3,043,275.2	1,723,863.6	297	3,040,323.7	1,793,227.5	29.0	3,039,368.7	1,860,168.8	61.4	3,029,590.8
Complementary feeding counselling and support	11.3	200	56.4	12.0	213	56.4	12.8	22.7	563	13.5	24.0	56.4

	Š	Year 2019	•	•	Year 2020	20	Š	Year 202	10	Тагое	West	Target year (2022)
Interventions	# of service	8	of PINV	# of service	0	ZI Jo #	# of service	U 8	Of PIN	# of service	8	ZIG Jo#
Vitamin A supplementation in infants and children 6-59 months	9,436,394.9	69.4	13,597,110.8	10,033,079.7	74.0	13,558,215.8	10,407,579.7	78.7	13,224,370.6	11,023,636.0	83.3	13,233,656.7
Dally iron supplementation for children 6 to 23 months	841,526.6	061	4,429,087.5	898,266.7	203	4,424,959.1	954,109.9	21.5	4,437,720.5	1,008,783.7	22.8	4,424,489.9
Management of severe acute malnutrition (children)	86,205.7	15.8	545,605.6	95,406.9	17.6	542,084.5	102,400.0	9.4	527,835.0	11,6921	21.1	529,346.3
Management of moderate acute malnutrition (children)	1,373,308.2	25.3	5,428,095.6	1,521,450.6	78.1	5,414,414.9	1,634,342.6	30.9	5,289,134.5	1,783,896.9	33.7	5,293,462.7
Assessment nutrition status_child	1,803,346,3	30.5	5,912,610.8	1,924,592,7	32.5	5,921,823,8	2,043,842.6	34.6	5,907,059.6	2,160,502,4	36.6	5,903,012,1
Other IYCF (Breastfeeding within an hour of birth, Exclusive breastfeeding for 6 months, Breastfeeding until 23 months of age)	1,034,706.9	17.5	5,912,610.8	1,104,274.8	18.7	5,905,213.0	1,172,696.3	8.6	5,922,708.5	1,239,632.5	21.0	5,903,012.1
Management of SAM with associated complication (Vitamin A deficiency, Corneal clouding/ ulceration, Dermatosis, Helminthiasis, Continuing Darrhoeal dysentery)	31,817.2	5.8	548,573.1	33,789.9	6.2	544,998.6	35,015.3	33	530,535,6	37,054.2	7.0	529,346.3
Other						1						ı
Intermittent iron-folk acid supplementation (menstrusting women where araema is public health problem)	20,101,327.1	13.1	166,126,670.5	23,258,787.3	<u>eq</u>	168,541,937.2	26,486,519.8	5.5	170,880,772.6	29,780,801.9	17.2	173,144,197.0
Non-communicable diseases						•						
Diabetes mellitus (DM)						•			•			
Diagnosis of DM	8,215,249,8	44,8	8,337,611.1	9,649,735,6		18,884,022.8	1152,591.3	57.5	9,395,810.9	12,723,501.3	63.9	19,911,982.7
Management of Type II DM	14,570.3	44.8	32,523.0	7,584.9	51.1	34,412.6	20,875.6	57.5	36,305.4	24,445.	63.9	38,255.3
Management of Type I DM	8,215,249,8	44.8	18,337,611.1	9,649,735.6	51.1	18,884,022.8	11,152,591.3	57.5	19,395,810.9	12,723,501.3	63.9	19,911,582,7
Identification and referral of long-term complications	3,135,306.6	8448	6,998,452.2	3,628,369.7		7,100,527.8	4,132,411.4	57.5	7,186,802.4	4,646,844,0	63.9	7,272,056.3
Breast cancer			•			•			•			-
Basic breast cancer awareness	7,510,021.8	1.91	46,646,098.2	8,678,620.3	<u>ლ</u>	47,424,154.9	9,864,996.0	20.6	47,888,330.	11,066,775.3	22.9	48,326,529.5
Screening: Clinical breast exam	2,251,602,8	40.	5,614,969.6	2,603,586.4	45.8	5,684,686.4	2,960,934.0	51.6	5,738,244.2	3,322,932.2	57.3	5,799,183.5
Cervical cancer												
Visual inspection with acetic acid (VIA)	640,215.7	40.	1,596,547.9	746,218.0	45.8	1,629,296.9	855,430.9	51.6	627,811.9	967,704.0	57.3	,688,837.7

	۶	Year 2019	•	>	Year 2020	20	×	Year 202	100	Таков	Ne Si	Target year (2022)
Interventions	# of service coverage	8	#of PIN	# of service coverage	o %	#of PIN	# of service coverage	8	NId Jo#	# of service	8	#of PIN
Chronic Obstructive Pulmonary Disease (COPD)	8											
Counseling on smoking cassation	9,131,403.9	6.7	136,289,610.1	10,602,252.5	7.6	139,503,322.9	12,111,765.5	2	40,834,482.8	13,642,489.	56	143,605,148.0
Diagnosis and management of ambulatory cases	6,458.0	6.7	96,388.2	7,570.9	7.6	6919'66	8,738.9	986	101,615.3	9,962.7	25	04,870.
Diagnosis and management of inpatient cases	6,458,0	6.7	96,388.2	7,570.9	7.6	6919'66	8,738.9	28	101,615.3	9,962.7	φ. Ν3	104,870.
Sexual and Gender-Based Violence						•			1			•
Case identification & recognition	1,405,146.1	23.1	6,082,883.7	1,579,509.4	25.7	6,145,951.0	1,756,239.9	28.7	6,227,801.2	1,934,994.2	30.8	6,282,448.8
First-point Counseling	2,907,571.6	23.1	2,586,890.	3,268,369,4	25.7	12,717,390.8	3,634,065.7	28.2	12,886,757.9	4,003,949.6	30.8	12,999,836.4
Prevention of Pregrancy: emergency contraception	886,322.9	2	3,836,895.9	996,305.9	25.7	3,876,676.8	1,107,782.1	28.2	3,928,305.4	1,220,534.8	30.8	3,962,775,4
Treatment of minor injuries	1,059,264.0	23.1	4,585,558.5	1,190,707.1	75.7	4,633,101.5	1,323,934.7	28.7	4,694,804.0	1,458,688.0	30.8	4,735,999.9
Prophylaxis for STI	1,437,572.6	23.1	6,223,257.9	1,615,959.6	75.7	6,287,780,6	1,796,768.6	28.7	6,371,519.7	1,979,648.0	30.8	6,427,428.4
Psychological support	3,102,130.3	23.1	13,429,135.6	3,487,070.7	25.7	13,568,368.6	3,877,237.4	28.2	13,749,068.8	4,271,871.9	30.8	13,869,714.0
Medicolegal examination	3,242,644.9	23.	4,037,423,9	3,645,021,7	25.7	14,182,963.7	4,052,861,4	28.3	14,371,849,0	4,465,371.3	30.8	14,497,958.9
NCD screening and management based on total risk assessment												
Screening for risk of CVD/diabetes	706.1	122	5,787.4	836.7	4	5,892.4	973.0	16.2	6,006.4	1,1152	82	6,127.6
Determine risk of CVD in next 10 years	81,678.2	12.2	669,493.1	97,962.9	4	689,879.5	115213.5	16.2	711,194.5	133,476.5	82	733,387.2
Manage conditions and 18R complications	10,631.4	12,2	87,142.5	12,591.4	<u>∓</u>	88,671.6	14,618.9	16.2	90,240.	16,751.5	18.2	92,041.0
Arsenicosis						•						
Counseling on the consumption of safe water	545,947.0	50.4	1,083,228.3	614,245.8	655	1,098,829.7	684,016.7	61.5	1,112,222,3	755,168.4		1,125,437.3
Identify, treat skin conditions and refer	273,244.6	252	0,084,304.0	307,489.0	380	1,098,174.9	342,471.6	30.8	1,111,920.9	378,146.9	33.6	1,125,437.3
Hypertension (HTN)												
Promote healthy lifestyle for HTN and other NCD control	241.6	10.3	9,142.0	2770,1	= 5	9,370.6	1,22,1	12.7	0,515,0	1,372.1	13.8	9,942.9
Diagnosis of HTN	3,119,042,6	5.3	58,849,859.6	3,568,888.8	ο. Ο.	60,489,640.1	4,041,634.3	6.5	62,178,988.8	4,536,476.7	7.	63,894,038.5
Management of HTN	1,064,164.9	5.3	20,078,583.8	1,217,631.0	6.5	20,637,814.1	1,378,816.5	6.5	21,212,561.5	1,547,488.5	7.	21,795,612.1

	×	Year 2019	6	*	Year 2020	20	Ž	Year 2021	12	Targe	t year	Target year (2022)
Interventions	# of service	80%	#of PIN	# of service	0 %	NI NI NI	# of service	0 %	NIG Jo	# of service	0	NIG JO#
Lab follow-up of HTN cases	318,254.9	4	9,890,933,5	362,553.9	8,1	20,141,886.0	409,059.7	<u>0;</u>	21,529,459,7	457,707.9	-1	21,795,612,1
Identify and refer CVD	332,551.5	m m	6,274,557.5	380,509.7	D-1	6449,316.9	430,880.2	579	6,628,925.5	483,590.1	7.	6,811,128.8
Adolescent Health									•			
Adolescent Health						•						
Counseling on puberty, safe sexual behavior, prevention of early marriage, mental health, HIV/AIDS, substance abuse, etc	4,856,315.6	15.7	30,931,946.3	5,148,602.4	16.7	30,829,954.8	5,434,534.6	17.8	30,531,093.4	5,683,927.0	88	30,233,654.0
Screening for STI	8,936.9	4.4	62,061.5	9,475.1	15.4	61,526.5	97100'01	16.3	61,359.4	10,460.8	17.3	60,467.3
Syndromic management of STI	8,936.9	14,4	62,061.5	9,475.1	15,4	61,526,5	9'100'01	16.3	61,359.4	10,460.8	17.3	60,467.3
Etiologic management of STI	8,936.9	4.4	62,061.5	9,475.1	15.4	61,526.5	97100'01	E'91	61,359.4	10,460.8	17.3	60,467.3
P information and provision	6,981,923.3	22.5	31,030,770.4	7,399,189.1	24.0	30,829,954.8	7,807,359.6	25.5	30,617,096.5	8,163,096.6	27.0	30,233,654.0
Neglected Tropical Diseases									•			
Kala-azar												
Curaneous leishmaniasis	25,873.4	56.3	45,956.3	21,206.8	46.2	45,902.1	16,552.8	36.	45,852.7	11,922.3	26.0	45,854.9
Visceral leishmaniasis	861061	4	45,941.6	6,643.9	36.2	45,977.5	14,274.4	3	45,898.5	11,922.3	26.0	45,854.9
Lymphatic filariasis												
Mass Drug Administration of population at risk	81%,524.6	80%	9,027,009.5	8,314,696.9	92,2	9,018,109.4	8,432,631,4	93.7	8,999,606.6	8,558,127.9	95.	8,999,082,9
Surgical treatment of hydrocele	5,375,584.2	59.5	9,034,595.2	5,453,984.6	60.5	9,014,850.6	5,532,226.1	61.5	8,995,489.7	5,615,427.8	62.4	8,999,082.9
Medical management of lymphedema	8,196,524.6	80%	9,027,009.5	8,314,696.9	57.7	9,018,109.4	8,432,631.4	93.7	8,999,606.6	8,558,127.9	95.1	8,999,082.9
Clinical diagnosis	8,196,524,6	870%	9,027,009.5	8,314,696,9	27.6	9,018,109,4	8,432,631,4	93.7	8,999,606.6	8,558,127.9	95.	8,999,082,9
Lab diagnosis	8,196,524.6	870%	9,027,009.5	8,314,696.9	92.2	9,018,109.4	8,432,631.4	93.7	8,999,606.6	8,558,127.9	95	8,999,082.9
Management of acute attacks	8196,524.6	80%	9,027,009.5	8,314,696,9	64	9,018,109,4	8,432,631,4	93.7	8,999,606.6	8,558,127.9	95.	8,999,082,9
Neonatal Health									•			
Immediate newborn care						•			•			
Chlorhexidine	836,900.7	27.5	3,043,275.2	892,352.7	293	3,045,572.5	946,735.2	31.2	3,034,407.7	999,765.0	33.0	3,029,590.8
Immediate newborn care (Cord cutting and tying. Prevention and management of hypothermia & newborn conjunctivitis.	120,209.4	4.0	3,005,234.2	141,965.3	47	3,020,538.9	163,526.9	5.4	3,028,275.3	184,805.0	3	3,029,590.8

	×	Vesse 2010	0	>	Vens 2020	0.0	Ş	Vessey 200		T.	2000	Toward week (0.000)
Interventions	# of service coverage	∂ %	#olPIN	# of service	0 %	NIGIO#	# of service	υ ※	ZIAJO#	# of service	0 %	NIE JOH
Promotion of essential newborn care & practice; Identification of darger signs, breathing problems & LBW babies. Special care of pre- term.)												
Newborn care after delivery												
Newborn care after delivery (Birth registration, Weighing, temperature management, Screening for congenital problems, Identification of Sepsic, complaints, reconatal jaundice and Identification and management of breast	445,839.8	14.7	3,032,923.9	528,313.5	17.4	3,036,284.8	8.190,013	20.1	3,035,133,4	690,746.7	22.8	3,029,590.8
Neoratal emergencies												
Newborn sepsis - Full supportive care	11,754.7	30.9	38,040.9	12,333.2	32.4	38,065.5	2,897.4	34.0	37,933.4	13,443.8	35.5	37,869.9
Newborn sepsis - Injectable antibiotics	11,754,7	30.9	38,040.9	12,333.2	324	38,065.5	2,897.4	34.0	37,933.4	13,443.8	35.5	37,869.9
Neoratal emergencies (Management of breathing problems, omphalitis, LBW babies, and neoratal jaundice)	338,533.9	30.9	1,095,579.1	355,197.0	32.4	1,096,286.9	371,444.2	34.0	1,092,483.0	387,181.7	35.5	1,090,652,7
Family Planning/ Reproductive Health												
Pre-Conception Care			ı			1			1			•
Pre-conception care (Promote health, FP, nutrition, child survival and safe motherhood, Screening for malnutrition, Prevent/ID HIVAIDS, STI, congenital anomalies, Courseling on best practices during pregnancy)	6,737,963.5	4.	46,791,413.1	7,226,926.7	<u> </u>	47,234,815.3	7,719,735.3	9	47,948,666.7	8,215,510.0	17.0	48,326,529.5
Tetanus toxoid for women of reproductive age	24,752,657.5	52.9	46,791,413.1	30,233,164.5	63.9	47,313,346.5	35,807,455.9	74.8	47,870,930.3	41,464,162.3	828	48,326,529.5
Family Planning Counseling			•									•
P courseling	22,645,733,8	65,0	34,839,590.5	24,313,142,4	69.0	35,236,438,2	25,994,014,2	73.0	35,608,238,6	27,685,302,2	77.0	35,954,937.9
Family planning methods						•						
PIII - Standard daily regimen	1,979,723.2	13.3	14,885,137.2	2,039,204.4	13,4	15,217,943.1	2,098,324,8	13.5	15,543,146.3	2,157,017.8	13.6	5,860,425,3
PIII - post coital contraception	763,782.1	5.1	14,976,119.5	786,730.6	5.2	15,129,433,8	809,538,4	5.2	15,568,045.7	832,182,8	53	15,701,562.6
Condom - Male	469,581.8	3.1	15,147,799.8	484,174.2	3.2	15,130,443.0	498,746.8	3.2	15,585,838.6	513,285.5	3.2	16,040,172.6
Injectable - 3 month (Depo Provera)	909,206.2	6.1	14,905,019.9	936,523.5	6.2	15,105,217.8	963,675.0	6.2	15,543,145,8	990,630.4	6.2	15,977,909.9
IUD - Copper-T 380-A IUD (10 years)	10,150.2	6	3,383,402,6	10,338.6	3	3,446,201.8	10,520.0	0.3	3,506,670,8	9'569'01	03	3,565,205,4

	>	8	9	>		90	\$	W				VOCANO
		rear zory	,	-	1 car 2020	07		07 Ju	,	eg e		Larget year (2022)
STORINGTON	# of service coverage	°0 %	*O'BIN	# oil service coverage	0 %	NIGHO	# of service coverage	8	NIA IO#	# of service coverage	8	NIG Jo #
Implant - Implanon (3 years)	68,787.5	07	6,878,746.3	74.476.4	Ξ	6,770,577.3	80,290.3	ᅼ	6,690,861.2	86,224.6	ᅼ	7,185,382.3
Female sterilization	17,349.2	23	754,313.4	7,534.3	23	762,360.4	7,694.2	2.3	769,313.8	17,841.5	13	775,716.6
Male sterilization	4,528.9	90	754,816.3	4,581,8	98	763,636.2	4,628.6	970	771,436.7	4,672.4	970	778,739.5
Management of IPP complications						ı						
Management of IP complications	711,372.5	90	3,783,896.4	782,992.8	3000	3,914,963.9	857,552	21.3	4,026,066.2	935,004.5	22.5	4,155,575,4
Menstrual regulation												
MR	2,784,089.1	6.0	46,401,484.7	2,903,391.9	9	47,596,589.1	3,022,501.9	6.3	47,976,220.6	3,141,224.4	5.5	48,326,529,5
Management of Other Common Conditions												
Eye care						ı						
Treatment of acute conjunctivitis	227,703,8	500	700,627.2	246,937.3	34.8	709,590.0	266,553.1	37.	718,472.0	286,519,0	39.4	727,205.6
Treatment of corneal ulcer	227,703,8	32.5	700,627.2	246,937.3	34.8	0.092,890.0	266,553.1	37.	718,472.0	286,519,0	39.4	727,205.6
Detection of cataract and visual impairment	2,199,748.6	=	8,641,937,4	2,385,225.1	12.6	18,930,357.8	2,574,388.6	13.5	19,069,545.3	2,766,934.7	4.0	19,349,123.7
Earcare						ı						
Identification and referral of hearing impairment	43,372.2	32.5	33,452.8	47,035.7	34.8	135,160.0	50,772,0	37.	136,851.8	54,575.	39.4	138,515,4
Management of otitis media	43,372.2	32.5	33,452.8	47,035.7	34.8	135,160.0	50,772,0	37.	136,851.8	54,575.	39.4	138,515,4
Dental care						ı						
Promotion of oral hygiene	52,321.8	¥.5	149,919.3	53,827.5	35,4	152,055.0	55,348.0	36.0	53,744.4	56,877.9	36.5	8,628,221
Treatment of common dental diseases	52,321,8	o,	149,919.3	53,827.5	35,4	0,220,521	55,348.0	36.0	53,744.4	56,877.9	36.5	8,678,221
Tooth extraction (mobile teeth)	43,068.6	K.	23,405.9	44,445.8	35.4	125,553.0	45,833.5	36.0	127,315.2	47,174.3	36.5	129,244.6
Treatment of common skin diseases												
Treatment of common skin diseases	220,213,8	30.7	717,308.8	223,030,9	30,7	726,484.9	225,822,6	30.7	735,578,4	228,567.7	30.7	744,520,0
Emergency care			-									
RTA_stabilization& referral	110,498.9	28.8	383,676.8	116,057.4	6.	388,151,8	121,706.9	30.9	393,873.3	27,434.	32.0	398,231.7
Drowning	3,514.8	28.8	2,204.2	3,714.5	29.9	2,423.0	3,917.7	30.9	12,678.6	4,123.9	32.0	2,887.
First aid in minor injuries	336,301.0	28.8	1,167,711.9	353,218.1	566	1,181,331.6	370,412.2	30.9	1,198,744.9	387,843.0	32.0	1,212,009.4
Poisoning & snakebite	4,804.3	78.8	16,681.6	5,046.0	6. 8.	6,876.2	5,291.6	30.9	17,124.9	5,540.6	32.0	17,314.4

	ž	Year 2019	6	×	Year 2020	20	Yes	Year 2021	71	Target	year	Target year (2022)
Interventions	# of service % Cu	% Cn	#ofPIN	# of service coverage	0 %	widjo#	# of service coverage	0 %	NIN # O%	# of service coverage	8	NIdyo# 0%
Other communicable diseases						ı						
Hepatitis diagnosis & management	90,739.6	33.6	384,489.7	95,332.8	24.5	389,113.6	91000001	25.4	393,707.	104,734.9	26.3	398,231.7
Typhoid diagnosis & management	66,884.9	2.4	50,303.	70,249,4	\$	152,055,0	73,669,0	47.9	153,797.6	77,135.7	49.5	155,829,8
Diarrhea & dysentery	162,787.4	33.6	484,486.3	70,994.3	34.9	489,955.0	79,335.7	36.	496,774.9	187,792.2	37.4	502,118.2
Dengue						ı						
Lab monitoring of suspected case	136,789.1	60	6'65 1899	50,938.6	6	1,695,827.0	165,362.6	6.7	704,769.6	0.070,081	0.4	731,442.0
OPD management	201,013.3	7	1,661,366.7	221,887.6	m	1,693,798.4	243,197.1	14.2	1,712,655.7	264,910.6	15.3	1,731,442.0
Inpatient management	201,013.3	2	1,661,366.7	221,887.6	mi	1,693,798.4	243,197.1	4.2	1,712,655.7	264,910.6	5.3	1,731,442.0
Rabies												
Rabies post exposure prophylaxis	24,121.6	48.2	50,044.8	26,592.7	57.5	50,652.8	29,115.2	295	51,349.6	31,685.4	0.18	51,943.3
Total	494,053,540		,851,947,039	544,750,090		,889,468,844	595,304,538		,923,455,508	647,589,209		,962, 189,576
Weighted average of coverage		26.7			28.8			30.9			33.0	

APPENDIX F. CALCULATED TOTAL COST OF CORE ESP SERVICES INCLUDING HEALTH SYSTEMS COSTS, 2016-2022 (Million BDT)

	2,016	2,017	2,018	2,019	2,020	2,021	2,022	Total
Maternal health								
ANC	26,739	29,446	30,577	32,514	34,526	36,492	38,531	228,354
Normal delivery	6,340	6,528	6,387	6,440	6,520	6'299	869'9	45,205
Obstetric emergencies ^W	30,109	32,638	33,444	35,161	36,972	38,742	40,598	246,910
Post-natal care	2,707	3,072	3,269	3,548	3,832	4,109	4,393	24.92
Subtotal	65,894	71,685	73,678	77,663	81,849	85,941	90,220	545,390
Neonatal health								
Immediate newborn care	276	325	356	396	436	475	515	2,777
Neonatal emergencies	2,112	2,257	2,284	2,373	2,468	2,561	2,659	659'91
Subtotal	2,388	2,582	2,640	2,769	2,904	3,036	3,174	19,436
Child health and EPI			-	-				
Ī	29,283	31,872	32,836	35,301	36,970	37,937	39,782	242,999
Ш	294,038	313,314	314,700	321,159	333,059	344,974	357,190	2,271,957
Subtotal	323,321	345,186	347,536	356,460	370,028	382,911	396,972	2,514,956
Adolescent health								
STI screening	0	=	=	12	12	<u>e</u>	<u>8</u>	18
STI management	4	45	46	48	15	23	55	339
Subtotal	15	26	22	99	8	99	69	420
MNCAH Core Service	391,654	419,508	423,911	436,951	454,845	471,953	490,434	3,080,202
FP/RH								
Pre-conception care	4,457	6,837	8,744	992'0	12,762	14,707	199'9	74,934
FP methods	5,780	6,014	5,925	6,028	6,161	6,188	6,469	42,307
Management of FP complications	302	.425	184	280	989'	962'	716,1	891.
Menstrual regulation	22,747	23,306	22,729	22,889	23,168	23,467	23,859	60,536
Subtatal	34,287	37,582	38,879	41,262	43,777	46,158	48,905	502,956
Nutrition								
Child nutrition	5,042	5,590	5,672	5,988	6,289	6,483	6,798	41,647

W Includes C-section and Neonatal resuscitation

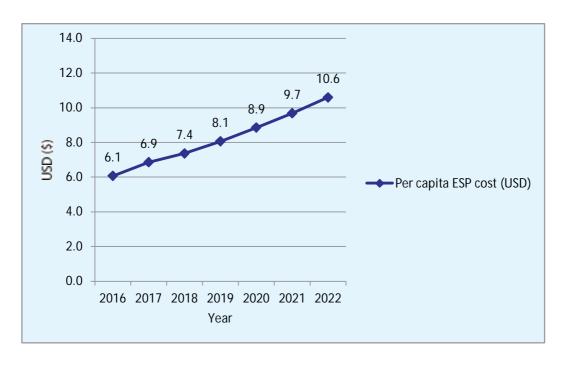
	2,016	2,017	2,018	2,019	2,020	2,021	2,022	Total
Maternal nutrition	19,565	20,754	20,941	21,747	22,667	23,628	24,624	152,914
IFA supplementation for 10-49 years female	061'9	7,559	8,488	965'6	10,721	11,849	12,980	67,836
Subtotal	30,797	33,903	35,101	37,333	39,676	41,960	44,403	262,397
NCDs								
Diabetes mellitus	20,534	36,307	45,276	58,673	172,815	187,120	202,248	121,463
NH	23	39	47	65	172	981	200	1,123
Cervical cancer	32	36	38	42	45	49	53	295
Chronic Obstructive Pulmonary Disease	10,844	11,386	11,388	608'11	12,312	12,828	13,389	82,502
SGBV	9	8	6	21	23	25	27	150
NCD screening and management based on total risk assessment	491	919	516	535	558	583	019	3,742
Arsenicosis	45,271	48,229	48,970	51,626	54,743	58,056	61,715	364,150
Subtotal	177,311	186,631	206,354	222,865	240,669	258,846	278,242	1,573,426
Management of Other Common Conditions	nditions							
Eye care	38	422	44	472	202	537	571	3,322
Ear care	33	37	38	4	44	47	20	289
Dental care	363	376	370	374	379	384	390	2,621
Treatment of common skin diseases	487	496	479	477	476	475	475	3,340
Emergency care	2,443	2,589	2,601	2,687	2,782	2,876	2,978	8,880
Other communicable diseases	340	.421	1,105	1,475	.527	625	1,635	0,364
Dengue	,493	90.	1,828	866'1	2,173	2,348	2,529	3,688
Rabies	640	729	781	852	976	666	1,075	100'9
Subtotal	2,180	7,776	7,643	8,375	8,812	9,245	9,703	58,506

APPENDIX G: ESP TOTAL COSTS, 2016-2022 (In Million BDT) INCLUDING INFLATION

	2016	2017	2018	2019	2020	2021	2022	Total
Human resources	44,001.2	49,049.8	54,589.5	60,654.7	67,279.2	74,536.1	82,675.6	432,786
Medicine & supplies*	19,956.9	23,184.8	26,599.3	29,923.8	34,035.6	38,454.2	43,356	215,510.6
Infrastructure	5,082.9	9,862.9	8,220.5	8,859.4	9,623.8	10,044.5	10,603.6	62,297.4
Logistics	81.6	126.5	134.4	146.2	159.1	201.6	205.7	1,055.2
TB/leprosy, Malaria, HIV/AIDS, Neglected tropical diseases* & general programme management costs**	7,072.5	7,597.1	8,166.5	8,782.7	9,449.4	10,174.5	10,990.4	62,232.8
Grand total (BDT)	76,195.1	89,821	97,710.2	108,366.9	120,546.8	133,410.8	147,831.2	773,882
Per capita (BDT)	475.2	552.7	593.4	649.6	713.5	779.9	853.8	-
Per capita (USD)	6.1	6.9	7.4	8.1	8.9	9.7	10.6	-

Without labour costs

Public Per Capita Cost of ESP, 2016-2022 (USD) including inflation



^{**} these ESP programme areas were costed through aggregated budget costs (i.e., by budget line items for drugs/supplies, human resources, training, and behavior change communication, etc.)

^{* **} these include the costs of programme-related training, meetings, communication, media, advocacy, and monitoring and evaluation) for the other core ESP services.

APPENDIX H:TOTAL ESP COSTS BROKEN DOWN BY DRUGS, SUPPLIES AND LABOUR, 2016-2022 (Million BDT), WITHOUT INFLATION

ESP Programme Area	2016	2017	2018	2019	2020	2021	2022	Total
Maternal health								
Drugs, commodities &								
supplies	2,098	2,295	2,492	2,688	2,883	3,075	3,265	18,796
Labor	1,075	1,213	1,361	1,520	1,689	1,869	2,059	10,786
Subtotal	3,173	3,508	3,853	4,208	4,571	4,944	5,324	29,581
Neonatal health								
Drugs, commodities &								
supplies	78.7	84.5	90.2	95.9	101.5	106.9	112.2	669.8
Labor	65.9	75.3	85.3	96.0	107.4	119.5	132.3	681.8
Subtotal	144.8	159.9	175.7	192.1	209	226.6	244.7	1352.8
Child health and EPI								
Programme activity costs	2,166	2,038	1,918	1,805	1,698	1,598	1,503	12,726
Drugs, commodities &								
supplies	10,573	10,908	11,132	11,044	11,316	11,555	11,806	78,333
Labor	1,398	1,502	1,601	1,674	1,783	1,883	2,004	11,845
Subtotal	14,137.2	14,448.2	14,650.8	14,522.0	14,796.7	15,035.1	15,313.6	102,903.6
Adolescent health					-			
Drugs, commodities & supplies	1.7	1.8	1.9	2.1	2.2	2.3	2.4	14.5
Labor	245.8	276.9	309.6	344.0	380.2	418.6	456.8	2.431.9
Subtotal	247.5	278.7	311.5	346	382.4	421	459.2	2446.4
Subtotal for MNCAH	17,702.3	18,394.7	18,991.2	19,267.8	19,959.6	20,626.4	21,341.6	136,283.6
FP/RH	17,702.3	10,374.7	10,771.2	17,207.0	17,737.0	20,020.4	21,341.0	130,203.0
Programme activity costs	10.0	4.4	1.9	0.8	0.4	0.2	0.1	17.7
Drugs, commodities &	10.0	4.4	1.7	0.0	0.4	0.2	0.1	17.7
supplies	1,037.6	1,164.2	1,292.4	1,423.0	1,555.6	1,689.8	1,825.6	9,988.2
Labor	704.2	847.1	1,003.1	1,173.2	1,358.2	1,559.0	1,776.5	8,421.1
Subtotal	1,751.70	2,015.60	2,297.40	2,597.00	2,914.10	3,249.00	3,602.10	18,427.00
Nutrition								
Programme activity costs	103.0	98.0	93.2	88.7	84.4	80.3	76.4	624.1
Drugs, commodities &								
supplies	867.2	989.3	1,108.3	1,231.8	1,355.8	1,477.5	1,604.7	8,634.7
Labor	544.7	629.7	717.1	814.3	918.0	1,026.2	1,145.1	5,795.1
Subtotal	1,514.90	1,717.10	1,918.70	2,134.80	2,358.20	2,584.00	2,826.20	15,054.00
NCDs								
Programme activity costs	984.8	978.4	972.1	965.8	959.5	953.3	947.2	6,761.1
Drugs, commodities &	0.000.5			,	7	0.555.5	0.000 /	40 :00 =
supplies	3,322.7	4,206.0	5,135.4	6,111.5	7,134.8	8,205.7	9,323.6	43,439.7
Labor	1,533.7	1,954.5	2,420.6	2,935.6	3,503.3	4,127.9	4,813.0	21,288.6
Subtotal	5,842.80	7,141.10	8,530.80	10,016.10	11,601.60	13,291.50	15,089.20	71,513.10
Management of other comr	non conditions							
Drugs, commodities & supplies	233.0	251.4	270.1	289.2	308.7	328.6	348.7	2,029.7
Labor	86.6	98.4	111.1	125.0	140.1	156.4	174.1	891.8
Subtotal	319.6	349.7	381.2	414.2	448.8	485	522.9	2921.4
TB and leprosy*	1,933	2,100.10	2,281.70	2,478.90	2,693.30	2,926.10	3,179.10	17,592.20
Malaria*	1,028.90	1,024.70	1,020.50	1,016.30	1,012.10	1,008	1,003.80	7,114.40
HIV/AIDS*	254.1	262.6	271.4	280.5	289.9	299.7	309.7	1,968
Neglected tropical		202.0		200.0	207.7	277.1	307.7	1,700
diseases*	592.7	602.2	611.9	621.7	631.7	641.9	652.2	4,354.40
Subtotal (Without MNCAH)	13,237.90	15,213.20	17,313.60	19,559.70	21,949.80	24,485.10	27,185.20	138,944.40
Total	30,940.10	33,607.80	36,304.80	38,827.50	41,909.40	45,111.50	48,526.80	275,228

APPENDIX I: icddr,b STUDY TEAM, NATIONAL OHT RESOURCE POOL AND EXTERNAL REVIEWERS

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