NEPAL HEALTH SECTOR STRATEGY

— 2015 - 2020 **—**





GOVERNMENT OF NEPAL

MINISTRY OF HEALTH AND POPULATION
2015

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विषय :- FOREWORD

Nepal has made notable achievements in the health sector over the past two decades. There have been marked reductions in the maternal mortality rate (MMR) and under-5 mortality rate (IMR) along with remarkable increase life-expectancy at birth. We have achieved expected results in control of communicable diseases. In this period, we have been successful in eliminating maternal and newborn tetanus as well as achieving 'polio-free' status. We have been making our dedicated efforts towards prevention, control and elimination of communicable diseases such as tuberculosis, HIV/AIDS, measles, kala-azar, lymphatic filariasis and malaria, which have existed as major public health problems in Nepal. The success and achievements in the health sector has been possible through greater engagement and contribution from various agencies and stakeholders, non-government organisations, development partners, civil society as well as media.

The policies, strategies and various programmes formulated by the Government of Nepal have been instrumental in improving the health status of Nepalese people. The implementation of comprehensive health sector programmes: Nepal Health Sector Programme – I and II were based on the policy frameworks guided by National Health Policy 1991 and National Health Sector Strategy 2003/04. These wider national programmes led to systematic and routine implementation of planned health sector activities. The National Health Policy 1991 is replaced by National Health Policy 2014. In this context, this National Health Sector Strategy 2015-20 provides strategic directions to the health sector programmes.

Nepal Health Sector Strategy 2015-20, along with addressing the current health challenges, provides a roadmap towards universal coverage of basic health services as enshrined in the Constitution of Nepal 2015. In this regard, it ensures access to free basic health care services with quality, while encouraging meaningful contribution from the private sector and making the health service delivery more transparent and accountable to the public. This strategy positions health at the centre to the country's overall socio-economic development. In order to implement this strategy, Ministry of Health and Population will develop and execute a five-year implementation plan.

With regards to developing this strategy, support has been gained from law makers, policy makers, external development partners, non-government organisations, academicians, private sector and various other health sector stakeholders and agencies. Their contribution was ensured through their active participation during the strategy development workshops, seminars, focus group discussions, and consultations with national and international sectoral experts. In this regard, I would like to extend my heartfelt gratitude to the members of Steering Committee for their contributions especially: Constituent Assembly members, officials of National Planning Commission Secretariat, officials of Ministry of Finance, Ministry of Federal Affairs and Local Development and officials of Ministry of Health and Population and other relevant bodies. Likewise, on behalf of the ministry, my sincere thanks also go to members of Programme Development Team and thematic groups who have been dedicatedly involved from the very inception phase in this strategy development.

Finally, I have firm belief as well as high hopes and expectations that the successful implementation of this strategy with the support from all concerned stakeholders will contribute towards improving the mental, physical, social and emotional state of health of all Nepali citizens enabling them to lead a productive and improved livelihood.

Shanta Bahadur Shrestha Secretary

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Executive Summary

Under the auspices of National Health Policy 2014, Nepal Health Sector Strategy 2015-2020 (NHSS) is the primary instrument to guide the health sector for the next five years. It adopts the vision and mission set forth by the National Health Policy and carries the ethos of Constitutional provision to guarantee access to basic health services as a fundamental right of every citizen. It articulates nation's commitment towards achieving Universal Health Coverage (UHC) and provides the basis for garnering required resources and investments.

NHSS places health at the centre of overall socio-economic development. It guides the health sector's response in realizing government's vision to graduate Nepal from 'Least Developed Country' to 'Middle Income Developing Country' by 2022.

NHSS is developed within the context of Sector Wide Approach (SWAp) and it sees partnership as a cornerstone for health development in Nepal. NHSS was developed jointly by the government and its development partners. Both the government and development partners commit to align their efforts to NHSS priorities and are jointly accountable to achieve the results. NHSS also harnesses multi sectoral approach to address social determinants of health.

In the past two decade, Nepal has made notable progress on improving the overall health outcomes of the citizens. Between the period of 1990 and 2014, Nepal impressively reduced under-five mortality by 73% and infant mortality by 67%. Similarly, Nepal was able to reduce maternal mortality by 76% between the period of 1996 and 2013. During this period, polio is towards eradication phase while leprosy is at elimination stage. Considerable efforts have been made to halt and reverse the trends of tuberculosis, HIV and malaria. However, comparably less progress was made in reducing neo-natal mortality and malnutrition.

Despite this progress, the country faces many health challenges including inequity. Many citizens continue to face financial, socio-cultural, geographical, and institutional barriers in accessing health services. Despite efforts to reduce gender inequality, the women of Nepal are still marginalized in society which affects their health and wellbeing. Therefore, the government has introduced special programmes and incentives, such as free health care programme and safe delivery incentive scheme, to reduce inequity in health. For the last few decades, the government has emphasized on improving access to health care services by expanding health facilities and strengthening community based interventions. Extension of access to health care services and improving the quality of health care remain a major challenge. The expansion of urban health services, owing to rapid urbanization is a burning challenge. Shifting burden of diseases and natural disaster induced health problems is yet another challenge. While communicable diseases continue to pose problems, there is now a growing prevalence of non-communicable diseases. There are also increasing threats of natural disasters due to climate change. Likewise, there are increasing number of deaths and injuries due to road accidents.

The devastating earthquake of April 2015 and subsequent aftershocks resulted in 1200 health facilities being affected. Reconstruction and maintenance of these health facilities is another challenge. This calls for a strong effort for emergency preparedness and response management. The current structure of MoHP, which is more than 25 years old, may not be prepared enough to address the contemporary and emerging health challenges. There is a need of restructuring of

MoHP in line with the federalist structure as provisioned by the constitution and ensure equitable distribution of health facilities with reference to geography and population. Apart from that, certain components of health systems need further strengthening to improve the health outcome of the citizens.

To sustain the achievements made in the health sector and address the aforementioned challenges, NHSS stands on four strategic principles:

- 1. Equitable access to health services
- 2. Quality health services
- 3. Health systems reform
- 4. Multi-sectoral approach

Under these strategic principles, NHSS envisions for equitable service utilization, strengthening service delivery and demand generation to underserved populations, including the urban poor. NHSS calls for greater partnerships with local level institutions and community groups to empower women, promote supportive cultural practices and curb gender-based violence in the society. NHSS focuses on improving the quality of care at points of service delivery. As warranted by National Health Policy 2014, an autonomous accreditation body will be established during NHSS period for quality assurance of health services in public and private sectors. NHSS emphasises on strengthening research and promoting the use of evidence. It also aspires to leverage modern technologies for better health information management, increased access to health services, better management of procurement and supply chain, and more effective and efficient construction of health facilities.

To strengthen decentralization planning and budgeting, NHSS prioritises the implementation of the Collaborative Framework for Strengthening Local Health Governance in Nepal. NHSS also expands state and non-state partnership by building mutually beneficial partnerships between the public and private sectors. At the same time, NHSS aims to strengthen institutional capacity of MoHP to better regulate public and private health systems.

NHSS recognises the importance of multi-sector approach to address social determinants of health. While the culture of inter-sectoral workings in health has been going on for a long time, NHSS emphasises on more institutionalized way of setting-up multi-sectoral approaches. For the next five years, NHSS focuses on promoting healthy lifestyles and healthy environment through multi-sectoral action. This includes: recognizing young people as a starting point to promote healthy lifestyle; leveraging health facilities as a learning environment for healthy lifestyle and behaviour; tackling malnutrition and promoting the consumption of healthy foods; reducing the ever-rising deaths and injuries through road traffic accidents; and promoting healthy environment including better response to climate change related health risks.

NHSS strives towards the goal to 'improve health status of all people through accountable and equitable health service delivery system.' NHSS stipulates the following nine outcomes to achieve this goal:

- 1. Rebuilt and strengthened health systems: Infrastructure, HRH management, Procurement and supply chain management.
- 2. Improved quality of care at point-of-delivery
- 3. Equitable utilization of health care services
- 4. Strengthened decentralised planning and budgeting
- 5. Improved sector management and governance
- 6. Improved sustainability of health sector financing
- 7. Improved healthy lifestyles and environment
- 8. Strengthened management of public health emergencies
- 9. Improved availability and use of evidence in decision-making processes at all levels

In order to move towards UHC, NHSS lays out the necessary service delivery arrangements. It calls for Basic Health Services, which is delivered free of charge to the citizens, and defines the Basic Health Package. Services that are beyond the scope of basic health package are delivered through different social health protection arrangements, including health insurance.

The government will assess the financial needs and identify the resource gap to implement this strategy. The Government of Nepal will progressively seek to fund the implementation of this strategy from its own internal resources. Specifically, over the next five years, the government will aspire to fund the provision of Basic Health Services entirely from government revenues. Likewise, as guided by the Development Cooperation Policy (2014), external resources will also be mobilized to narrow the resource gap.

The NHSS Implementation Plan (IP) and subsequent Annual Work Plan and Budget (AWPB) will translate the NHSS into action. The MoHP will lead the implementation, monitoring and evaluation of this strategy with participation of line ministries, development partners, non-governmental agencies, civil society, private sector, cooperatives and local communities. The NHSS Results Framework will be the basis to monitor the sector performance through annual reviews and a Mid Term Review (MTR).

1. Background

1.1. Introduction

The origins of the five-year strategic health planning process in Nepal, within the context of Sector Wide Approach (SWAp), can be traced back to 2004 when the Council of Ministers endorsed the Health Sector Strategy: An Agenda for Reform. This strategy formulation was conducted against the backdrop of Nepal's commitments on delivering the Poverty Reduction Strategy (PRS) and the Millennium Development Goals (MDGs). Guided by both the National Health Policy of 1991 and the Second Long Term Health Plan 1997-2017 (SLTHP), the strategy put in place the first Nepal Health Sector Programme (NHSP-I) as its implementation plan for the period 2004-2009. The second sector programme for the period 2010-2015 (NHSP-II) was largely seen as an extension of the previous one, albeit with greater emphasis on partnerships, mitigating access barriers and promoting equity and inclusion, local governance, and decentralized service delivery.

NHSP-I and NHSP-II were developed on the basis of National Health Policy (1991) and Health Sector Strategy (2004), which provided basic framework for implementation of health programmes. This strategy guides the health sector to translate the National Health Policy (2014) that has replaced the previous policy (1991). Nepal Health Sector Strategy 2015-2020 (NHSS) is recognised as the strategy that will guide the sector, taking into account multi-sector collaboration to address social determinants of health, over the next five-year period. It responds to the existing socio-political environment and the changes that have taken place both in the local and global health agenda. This strategy is based on the expanded policy and monitoring framework of National Planning Commission and has also embodied the essence of the National Health Policy 2014. Partnership remains one of the cornerstones for health development in Nepal and from the outset the NHSS development process has held to this principle. It is the result of a joint effort between the government and its development partners¹; all parties are committed to align their programmes to NHSS priorities and to be jointly accountable to achieve the proposed results.

Considerable effort has been made to promote the strategy at both national and sub-national levels to ensure horizontal and vertical linkages. The process of developing the NHSS provided ample opportunities for a wide range of stakeholders to offer their inputs and feedback.

The strategy was developed in fiscal year 2014/15 under the patronage of a High-level Committee and under the guidance of the Steering Committee. Both committees had representation of senior officials from different government line agencies. A Programme Development Team (PDT), made-up of officials from the government and development partners, put together this strategy. The strategy, in turn, was based on the technical inputs provided by a range of Thematic Working Groups.

1.2. Policy Context

The National Health Policy of 1991 captured the contemporary democratic essence of bringing government services closer to the people, calling for community participation, and seeking increased private sector engagement. The Constitution of Nepal established people's health as a fundamental right for the first time in its history as per the spirit of 2006 People's Movement.

¹Development partners include external donor and supporting agencies, I/NGOs, Civil Societies, Private Sector, and cooperatives

NHP-2014 sets out a forward looking agenda for improving the health and well-being of all citizens of Nepal, including the elders, differently able people, single women, poor, marginalised and vulnerable communities. It articulates nation's commitment towards achieving Universal Health Coverage (UHC). It seeks to place health as a central component of overall development, building partnerships and establishing multi-sectoral collaboration. The policy recognises the importance of creating a healthy environment and promoting healthy lifestyle choices by people, especially the young, as well as taking an inclusive approach to Ayurveda and other traditional medicine systems². NHSS outcomes are aligned with these policy elements.

Restructuring of the state through federal form of governance is a prominent political agenda and NHSS is designed to accommodate this. It puts special emphasis on decentralization and strengthening local health governance, and calls to restructure MoHP and its subordinate authorities to make them more responsive to current health needs.

MoHP and the development partners continue with their joint efforts to position health in the epicentre of national development and demonstrate how investing in health not only reduces poverty but allows the country to reap the economic dividends through enhanced human capital.

The Government of Nepal's (GoN) Development Cooperation Policy of 2014 provides the basis for NHSS to advance the agenda of aid effectiveness in the health sector. NHSS espouses the Development Cooperation Policy's mission statement to help achieve national goals through mobilizing development cooperation in a way that enhances the country's capacity to be able to realize maximum advantages³. It will also operate under the policy framework of the GoN's vision to graduate Nepal from the status of 'Least Developed Country' to 'Middle Income Developing Country' by 2022.

Nepal is party to many international health commitments and resolutions, which this strategy upholds. Nepal's commitment to Universal Health Coverage (UHC) guides NHSS for the period of the next five years as the country embarks towards progressive universalism by continuing to maintain the focus on Primary Health Care approach and greater equity in health. Nepal has earned international accolades for being on track to meet most of the health related MDGs targets and this strategy is geared towards sustaining these achievements while making headway into the Sustainable Development Goals.

1.3. Scope of the Strategy

As a sector strategy, NHSS is built upon the premise that health is an integral and indivisible part of a nation's socio-economic development and investment in health is fundamental to further national development. Therefore, as part of the development strategy of the GoN, NHSS defines the health sector as being beyond the exclusive domain of the Ministry of Health and Population (MoHP). It recognises that multitudes of state line agencies and non-state actors working for social and economic development are part of the health sector in their differing capacities.

This strategy guides the government and development partners to further improve aid effectiveness in the health sector as agreed under Paris Declaration on Aid Effectiveness and subsequent high-level aid forums.

²Ministry of Health and Population, "National Health Policy 2071," (Kathmandu: Government of Nepal, 2014).

³Ministry of Finance, "Development Cooperation Policy: International Cooperation for Development Effectiveness," (Kathmandu: Government of Nepal).

NHSS adopts the vision as highlighted in the National Health Policy (2014) and operationalizes its aspirations. It articulates the goal and objectives for the next five years of the government and its development partners, who are mutually accountable for its achievement. The Implementation Plan (IP) and the Results-based Monitoring Framework are developed on the basis of this strategy.

The Government of Nepal will progressively seek to fund the implementation of this strategy from its own internal resources. Specifically, over the next five years, the government will aspire to fund the provision of Basic Health Services entirely from government revenues. Nevertheless, as guided by the Development Cooperation Policy (2014), external resources will also be mobilized to narrow the resource gap.

2. Situation Analysis

2.1 Health Outcomes

Nepal has made steady progress on improving the overall health outcomes of its citizens. Particularly, the country has made impressive progress on child survival and maternal health, which are the targets 4 and 5 of the Millennium Development Goals (MDGs)⁴.

The target set for MDG 4 was to reduce the under-5 mortality rate by two-thirds between 1990 and 2015 with an average annual decline of 4.4%. Between the period of 1990 and 2014, there has been an unprecedented decline in under-five mortality in Nepal. It has decreased by 73% - from 1425 per thousand live births in 1990 to 386 in 2014. In this period, the infant mortality has also decreased by 67% - from 997per thousand live births to 338. However, the neonatal mortality has not reduced proportionately, with only 57% reduction during the same period, i.e. 539 per thousand live births in 1990 to 2310 in 2014. As of 2014, the neonate deaths (i.e. deaths during the first 28 days of life) constitute 57% of under-five mortality in Nepal 11. According to the estimates of the United Nations (UN) agencies, the maternal mortality in Nepal has declined by 76% from 790 per 100,000 live births in 1996 to 190 in 201312.

Globally, malnutrition contributes to 45% of the under-five mortality¹³. Maternal and child nutrition is also a challenge for Nepal; however, some progress has been made. The stunting rate of underfive children has decreased from 57% in 2001 to 37% in 2014. Similarly, over the same period, the percentage of underweight children has decreased from 43% to 30%¹⁴. However, despite declining trend of stunting, Nepal is still higher than WHO threshold. Nepal is also above WHO's threshold on anaemia among young children and women of reproductive age¹⁵. Wasting of children continues to be a problem; overall, 11% of children are wasted and 3% are severely wasted¹⁶.

The poor nutritional status of women is evident from the fact that 18% of them fall under the Body Mass Index (BMI) of 18.5 – a cut-off point, indicating thinness or acute under-nutrition. Women living in the central Terai region are most susceptible to under-nutrition with 26% falling below the BMI cut-off point of 18.5. Nevertheless, as compared to 2006 when 24% women were under the BMI 18.5, under-nutrition among women has declined. It is interesting to note that while the under-nutrition among women is in the declining trend, the obesity is increasing. In 2006, 9% women were obese or overweight (BMI greater than 25) but in 2011 the proportion has increased to 14%. 1819

⁴United Nations Development Programme, "Nepal Millennium Development Goals Progress Report 2013," (Kathmandu: National Planning Commission, 2013).

⁵UN Inter-agency Group for Child Mortality Estimation, "Levels & Trends in Child Mortality," (New York2014).

⁶Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings," (Kathmandu2014).

²UN Inter-agency Group for Child Mortality Estimation, "Levels & Trends in Child Mortality."

⁸Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings."

⁹UN Inter-agency Group for Child Mortality Estimation, "Levels & Trends in Child Mortality."

¹⁰Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings."

¹¹UN Inter-agency Group for Child Mortality Estimation, "Levels & Trends in Child Mortality."

¹²WHO et al., "Trends in Maternal Mortality: 1990 to 2013," (Geneva2014).

¹³WHO, "Children: Reducing Mortality," WHO, http://www.who.int/mediacentre/factsheets/fs178/en/.

¹⁴Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings."

¹⁵Ministry of Health and Population, New ERA, and ICF International Inc., "Nepal Demographic and Health Survey 2011,"

⁽Kathmandu: Ministry of Health and Population, New ERA, ICF International Inc., 2012).

¹⁶Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings."

¹⁷Ministry of Health and Population, New ERA, and ICF International Inc., "Nepal Demographic and Health Survey 2011."

¹⁹Ministry of Health and Population, New ERA, and Macro International Inc., "Nepal Demographic and Health Survey 2006," (Kathmandu: Ministry of Health and Population, New ERA and Macro International Inc., 2007).

The immunization coverage during the last five years has consistently remained above 90% for DPT 3 and Polio and for measles it has hovered around 88%²⁰. Over the last decade, the number of antigens in routine national immunization has increased from 6 to 11²¹. The target set for NHSP II for immunization as well as for comprehensive multi-year plan 2011-2015 has been achieved. As a result, Nepal has achieved Polio Free Status, Measles Mortality Reduction Goal, MNT elimination status, and control of Japanese Encephalitis. Nepal plans to achieve full immunization coverage by 2017.

Case fatality rate for pneumonia has decreased from 0.4 in 2000/01 to 0.06 in 2013/14²². Similarly fatality rate from diarrhoea among under-five children has decreased from 0.4 in 2000/1 to 0.02 in 2013/14²³. The community based intervention has been the key in significantly reducing childhood illnesses. However, even though 93% of households have improved source of drinking water, more than 80% of household members continue to have E. coli risk level in their water²⁴.

In terms of disease specific health outcomes, the programs for tuberculosis (TB), HIV and malaria have shown progress in halting and reversing the trend of the diseases. Though the treatment success rate has improved over the years, TB case detection rate has remained stagnant. Reducing regional disparities will need much more concentrated effort on active case identification. Ever rising drug resistant TB in the country is a further challenge to be addressed in the coming years²⁵.

New HIV infections have declined from a peak of 8,329 in 2002 to 1,408 in 2013 and are projected to decrease further to 720 in 2020²⁶. With scale up of services and integration of Anti-retroviral Treatment (ART) services and coordinated efforts between TB, HIV and maternal and child health services, the gap is minimizing between the estimated numbers and the identified numbers. Prevention of Mother to Child Transmission (PMTCT) and ART treatment coverage has also improved with scale up of these services.

Annual parasite incidence for Malaria has been declining and now the government is gearing towards eliminating Malaria by 2026²⁷. The micro-stratification in 2013 showed precise risk areas up to the lowest administrative division, i.e. the VDCs. The results showed 52% of the population at risk²⁸ which is much less in comparison to the earlier figure of 72%.

The status of different neglected tropical diseases, targeted for elimination, is given below:

Disease	Elimination target year	Elimination definition	Status as of June 2015
Leprosy	2010	Prevalence: Less than 1 case /10,000 population	Achieved elimination at 2010 at national level.
Kala-azar	2015	Incidence: Less than 1 case /10,000 population	Elimination level reached since 2013. On track.

²⁰ Department of Health Services, "Annual Report 2069/70," (2014).

^{21 &}quot;Annual Report 2070/71," (2015).

²² Ibid.

²³ Ibid.

²⁴ Central Bureau of Statistics, "Nepal Multiple Indicator Cluster Survey 2014 Key Findings."

²⁵ Lochana Shrestha, Kashi Kanta Jha, and Pushpa Malla, "Changing Tuberculosis Trends in Nepal in the Period 2001-2008," Nepal Medical College Journal 12, no. 3 (2010).

²⁶National Centre for AIDS and STD Control, "Country Progres Report on HIV/AIDS Response Nepal," (2014).

²⁷ Epidemiology & Disease Control Division, "Nepal Malaria Strategic Plan 2011-2016," (Kathmandu2011).

²⁸ Shiva Raj Adhikari, "Towards Universal Health Coverage: An Example of Malaria Intervention in Nepal," WHO South-East Asia Journal of Public Health 3, no. 1 (2014).

Trachoma	2017	Prevalence of Trachomatous Trichiasis (TT) <0.1% in pop- ulation; Prevalence of Follicular Tra- choma (TF) <5% in 1-9 year olds	Mapping and Mass Drugs Administration (MDA) completed in all 20 endemic districts; Impact studies done and surveillance initiated, Elimination target on track.
Lymphatic Filariasis	2020	Prevalence below 1% by microfilaria and below 2% by antigen.	Mapping completed, 100% geographical coverage of MDA achieved, MDA phased out in 20 districts, surveillance and Morbidity Management and Disability Prevention initiated

Table 1: Diseases targeted for elimination

2.2 Equity Gap in Health Care Services

The overall progress in health outcomes and aggregate improvements showcased here masks the significant equity gap that continues to persist. Many citizens still face several barriers – financial, socio-cultural, geographical, and institutional – in accessing quality health care services²⁹. Table1 provides an illustrative example of how these barriers manifest themselves in the health sector.

Barriers	Implications for health sector		
Financial	High out of pocket expenditure Opportunity cost (e.g. wage loss) while seeking care		
Socio-cultural	 Harmful cultural practices Non-acceptance of particular services (e.g. family planning) Many women are still not able to make independent decisions on matters related to their own health, esp. sexual and reproductive health 		
Geographical	 Inconveniently located health facilities and associated travel distance due to difficult terrain Seasonal issues such as floods, landslides restricting movement 		
Institutional	 Unavailability of health workers Unfit Attitude and behaviour of health service providers Stock-outs of drugs and commodities Limited and impractical opening hours of health facilities Non-adherence of health facilities to Minimum Service Standards 		

Table 2: Barriers for Social Inclusion in Health

There are wide variations in health services availability, utilisation and health status across different socio-economic and geographical population groups, indicating the challenge of access and equity³⁰. For example, in under-five mortality the gap between the poorest and wealthiest has increased since 2001; in 2011 the under-five mortality rate for the poorest income quintile was 75 – more than double the rate of 36 for the wealthiest. Infant mortality rate of 69 among Muslims and 65 for Dalits, as compared to 45 for Brahmin/Chhetri, also typifies the variation in health status between different caste/ethnic groups.³¹

²⁹ Ministry of Health and Population, "Operational Guidelines for Gender Equality and Social Inclusion Mainstreaming in the Health Sector," (Kathmandu: Government of Nepal, 2013).

³⁰ David Daniels et al., "Nepal Health Sector Programme II Mid-Term Review," (2013).

³¹ Ministry of Health and Population, New ERA, and ICF International Inc., "Nepal Demographic and Health Survey 2011."

Despite consistently high coverage of immunization, certain population remain excluded from these services. The 2011 NDHS survey has revealed that 3% of the children did not receive any vaccine and 10% did not receive full immunization³².

Complex topographical terrain of Nepal further widens the equity gap in availability, access and utilization of health services. 42.8% of deliveries were attended by Skilled Birth Attendants (SBAs) in Terai region – which has flat topography allowing easier service access – as compared to a meagre 18.9% in mountain region with its harsh terrains impeding easier access³³.

While much effort is still required to deliver equitable health care services to the citizens, this issue itself is not new and several efforts have been made in the past by both the government and its development partners – producing encouraging results.

Equity in health featured prominently in the previous sector strategies: NHSP-I (2005-2010) and NHSP II (2010-2015). NHSP-I attempted to put "clear systems in place to ensure that the poor and vulnerable communities have priority for access." Similarly, NHSP-II aspired to "increase access to and utilisation of quality health care services" and "reduce cultural and economic barriers to accessing health care services..." Vulnerable Community Development Plan (VCDP), developed in 2004, supported NHSP-I to operationalize the agenda of social inclusion in the health sector; likewise, Health Sector Gender Equality and Social Inclusion Strategy of 2009 accompanied NHSP II.

During NHSP-I period, Nepal "spent two thirds or more of the health budget on successfully reducing mortality from easily preventable causes.³⁷" As the poorest were more prone to mortality from these causes, the impact of this budget increase was largely seen as being pro-poor.³⁸ During this period, significant progress was made in "reducing inequalities in access to and utilisation of family planning and child health care services between castes and ethnic groups, as well as between poor and wealthier citizens.³⁹" In contrast to this, EQUITAP study conducted in 2005 – which looked at benefit incidence of public health subsidies in 11 Asian territories – indicated that Nepal had the greatest pro-rich bias among the countries studied⁴⁰. However, a major caveat of this study is that it was "based on data for Nepal from the mid-1990s [Nepal Living Standards Survey 1995/96], before the major expansion in public health programmes...⁴¹" took place. Furthermore, Benefit Incidence Analysis conducted in 2012 notes that "the net effect of health subsidies is progressive...⁴²," i.e. pro-poor.

The government introduced free health care programme in 2008 to mitigate economic barriers in accessing health care services; however, the results are mixed. "Number of clients receiving free

³² Ibid.

³³ Ibid.

³⁴ Ministry of Health, "Nepal Health Sector Programme - Implementation Plan (NHSP-IP)," (Kathmandu: His Majesty's Government, 2004).

³⁵ Ministry of Health and Population, "Nepal Health Sector Programme II (2010-2015)," (Kathmandu: Government of Nepal, 2010).

 ³⁶ Ministry of Health and Population, "Nepal Health Sector Programme II (2010-2015)," (Kathmandu: Government of Nepal, 2010).
 ³⁷ Mick Foster et al., "Review of Nepal Health Sector Programme: A Background Document for the Mid-Term Review," (Kathmandu:

Mick Foster et al., Review of Nepal Health Sector Programme: A Background Document for the Mid-Term Review, (Kathman Mick Foster Economics Ltd. and Development Consultancy Center (DECC), 2007), pp 41.

38 Ibid.

³⁹Ministry of Health and Population, "Nepal Health Sector Programme II (2010-2015)," pp 8.

⁴⁰Owen O'Donnell et al., "Who Benefits from Public Spending on Health Care in Asia?," EQUITAP Project: Working Paper #3(2005), http://www.equitap.org/publications/docs/EquitapWP3.pdf.

⁴¹Foster et al., "Review of Nepal Health Sector Programme: A Background Document for the Mid-Term Review."

⁴²Sebastian Silva-Leander, "Benefit Incidence Analysis in Health," (Kathmandu: Nepal Health Sector Support Programme, 2012).

essential health care services has markedly increased⁴³" for all levels of facility and "households from the poorest quintile were most likely to have received services free of charge.⁴⁴" However, the fact that in 2011, 31% (and in 2013 19%) of outpatients were paying for the care that should have been provided free of charge means that there is a further room for improvements in implementing free health care programme⁴⁵.

The government introduced Maternity Incentive Scheme in 2005, which subsequently evolved into Aama Programme in 2009. Large increase in the proportion of delivery at health institution – from 31% in 2009/10 to 44% in 2011/12 is often attributed to the success of Aama Programme. The women from disadvantaged groups have benefitted more from this programme. In 2013, "higher proportion of Dalits (74%) and religious minorities (54%) received free delivery care than [any] other groups.⁴⁷"

The women of Nepal continue to live on the margins of society and suffer from gender gap, as underscored by the 2014 Global Gender Gap Report which ranked Nepal 112 among 142 countries in terms of gender gap;⁴⁸ however, this is a marked improvement as compared to 2011 when it was ranked 126. It is worthwhile to note that in the sub-index of health and survival, the 2014 report ranked Nepal 88 as compared to 111 in 2011.⁴⁹

Despite pro-poor orientation of health subsidies, distribution of Human Resources (HR) has been persistently inequitable. Out of 32, 809 public health workforce in Nepal, 45% are concentrated in the Central Region whereas only 7% are in the Far-Western Region. The distribution scenario is even worse for private health workforce; of the total 21,638 health workers, only 2% are available in the Far-Western Region with 58% concentrated in the Central Region.⁵⁰

There has been realisation that the health equity and access programme was less effective due to lack of disaggregated data to monitor access and utilization of health services by people of various caste and ethnic groups in the absence of such data.

Implementation of this strategy requires collection and analysis of disaggregated indicators, supporting the continued effort required to improve equitable utilization of health services.

2.3 Population Dynamics and Health

Nepal has a population of 26.5 million with an estimated 724,000 births every year. As compared to the last three decades, when the population growth rate hovered around 2~2.5%, the growth rate has declined to 1.35%.⁵¹ The decline in population growth is "attributed both to decline in

⁴³Bal Krishna Subedi et al., "Service Tracking Survey 2011 Nepal Health Sector Programme II," (Kathmandu: Ministry of Health and Population, 2012).

⁴⁴RTI International, "Pro-Poor Health Care Policy Monitoring: Household Survey Report from 13 Districts," (Kathmandu: Research Triangle Park, NC, USA, 2010).

⁴⁵Ministry of Health and Population, Health Research and Social Development Forum (HERD), and Nepal Health Sector Support Programme (NHSSP), "Service Tracking Survey 2013 Nepal Health Sector Programme II," (Kathmandu: Ministry of Health and Population, 2014).

⁴⁶Senendra Raj Úpreti et al., "Rapid Assessment of the Demand Side Financing Schemes: Aama and 4anc Programmes," (Kathmandu: Ministry of Health and Population, 2013).

⁴⁷Ibid.

⁴⁸World Economic Forum, "The Global Gender Gap Report 2014," (Geneva: World Economic Forum, 2014). ⁴⁹Ibid.

⁵⁰Ministry of Health and Population, "Human Resources for Health Nepal Country Profile," (Kathmandu: Government of Nepal,, 2013)

⁵¹Central Bureau of Statistics, "National Population and Housing Census 2011," (Kathmandu2012).

fertility and emigration of youth.⁵²" It is interesting to note that "the proportion of the population is gradually declining in Mountain and Hill and steadily increasing in Terai.⁵³"

The Contraceptive Prevalence Rate (CPR) has increased by 2% per year between the 1996 and 2006. During this period, the use of modern contraceptive methods increased from 26%.⁵⁴ The Total Fertility Rate (TFR) declined significantly from 5 births per women in 1990 to 2.6 births per women in 2011; and, in contrast to the CPR, it continued to fall after 2006, declining to 2.6 in 2011⁵⁵. CPR low coverage and unmet needs remain a challenge to meet the planned CPR level of 52 by 2021⁵⁶.

The government is committed to FP2020 which calls for equitable access to voluntary family planning. For this the government has committed to number of financial, policy and programmatic commitments, including raising the annual government allocation for family planning programme⁵⁷. Analysis of the last four Demographic and Health Surveys clearly indicate substantial increase in the practice of prenatal sex selection since 2002. Nepal legalized abortion services in 2002 so there may be possible association of increased prevalence of sex selection with the legalization of abortion⁵⁸. This necessitates further attention and review of the implementation of the Safe Abortion Act.

The current life expectancy of Nepalese at birth is 66.6 years. "The life expectancy of females has overtaken males in the last 30 years. Life expectancy at birth for females has increased from 48.1 years in 1981 to 67.9 years in 2011. "The ageing index shows that the "the number of old people compared to children, has been consistently increasing over decades", underscoring the need for more attention to geriatrics health.

Nine million young (10-24 years of age) people live in Nepal – one third of the total population. Adolescents (10-19 years of age) make up 24.2% of the total population and the youth (15-24 years of age) make up almost 20% of the total population. While there has been a remarkable increase in the number of health facilities providing adolescent-friendly health services (from 78 in 2011 to 500 in 2013), existing challenges such as quality of care, availability of human resources, physical infrastructure hamper effective health care services to young people⁶¹. Nevertheless, establishing youth-friendly health facilities is a good platform to capitalize on to provide health care services that is responsive to young people.

Migration is becoming an important facet in the population dynamics of Nepal. Increasing number of youths are emigrating abroad. The absent population of Nepal in 2011 was 1,921,494 as compared to 762,181 in 2001. There is also an increasing trend in internal migration. In 2011, 2.6 million inter-district migrants were reported to be lifetime migrants, compared to 1.5 million

^{52&}quot;Population Monograph of Nepal," (Kathmandu: National Planning Commission, 2014).

⁵⁴Ministry of Health and Population, New ERA, and Macro International Inc., "Nepal Demographic and Health Survey 2006."

⁵⁵Ministry of Health and Population, New ERA, and ICF International Inc., "Nepal Demographic and Health Survey 2011."

⁵⁶Department of Health Services, "National Family Planning Costed Implementation Plan 2015-2021," (Kathmandu: Ministry of Health and Population, 2015).

⁵⁷Family Planning 2020: Commitment Form for Countries, (16 March, 2015).

⁵⁸Melanie Dawn Frost et al., "Falling Sex Ratios and Emerging Evidence of Sex-Selective Abortion in Nepal: Evidence from Nationally Representative Survey Data," BMJ Open 3, no. 5 (2013).

⁵⁹Central Bureau of Statistics, "Population Monograph of Nepal."

⁶⁰lbid.

⁶¹Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

in 1981.⁶² Vulnerability of migrants to certain health risks, poses an additional challenge for the government to address. For example, "the highest percentage of total cases of HIV in Nepal is contributed by seasonal labour migrant workers (46%).⁶³"

The growth in urban population is significant. As compared to 1991, when only 9% the population lived in urban areas, in 2011 urban population rose to 17%. ⁶⁴ However, "if the recently declared (FY 2071/72) 133 municipalities are included, making 192 municipalities in total, the urban population is 38.26% of the total population. ⁶⁵" Expanding urbanization has resulted in rapidly growing urban populations, particularly of the urban poor with growing inequities in human health. For example, children from the poorest wealth quintile in urban areas are 4.5 times more likely to die before the age of five than those of the wealthiest urban quintile. Similarly, only 45% of women of the poorest urban wealth quintile have access to Skilled Birth Attendants (SBA) compared to 85% for the women of wealthiest urban quintile. ⁶⁶

In 2011, the overall prevalence of disability in Nepal was 2%. The prevalence of disability was highest in the Mountain region with 3%. Most of the disabled were less than 30 years old. Physical disability and blindness/loss of vision accounted for more than 50% of the total disability. Preliminary assessment after the earthquake of April 2015 indicates that 439 people require long-term care, among which 253 require prolonged rehabilitation services However, this number is expected to rise.

With the human development index of 0.54, in 2014, Nepal ranks 145 out of 187 countries. As of 2010/11, 25.16% people are living below the poverty line in Nepal; this represents a 5.7% decline in absolute poverty from 2003/04 when 30.8% people were under the poverty line. Among the employed population, 60% are engaged in the agriculture sector; however, "the contribution of the agriculture sector to the GDP has declined from 61% in 1981 to 31% in 2011, while the contribution of the service sector has increased from 27% to 48% during this period. ⁶⁹" As the non-agriculture sectors like service, construction, transportation, etc. increasingly employee more and more people, due attention is needed to address the occupational safety and health issues – which to date remain largely neglected. ⁷⁰

The census of 2011 showed that 67% Nepalese were literate with female literacy increasing from 43% in 2001 to 58% in 2011. Similarly, 67 of the population attend school. Studies show correlation between education attainment and healthy behaviour, and reciprocally, less permissive towards risky behaviour⁷¹.

⁶²Central Bureau of Statistics, "Population Monograph of Nepal."

⁶³Arjun Aryal, YN Yogi, and H Ghimire, "Vulnerability to Unsafe Sex and HIV Infection among Wives of Migrant Workers in Far Western Nepal," Journal of Chitwan Medical College 3, no. 3 (2013).

⁶⁴Central Bureau of Statistics, "National Population and Housing Census 2011."

^{65&}quot;Population Monograph of Nepal."

⁶⁶Health Research and Social Development Forum (HERD) and COMDIS-HSD, "Urban Health Technical Brief," (Kathmandu2014).

⁶⁷Central Bureau of Statistics, "Population Monograph of Nepal."

⁶⁸Health Emergency Operation Centre (HEOC), "Helth Sector Response: Situation Update Report," (2015).

⁶⁹Central Bureau of Statistics, "Population Monograph of Nepal."

⁷⁰Rudra Prasad Gautam and Jiba Nath Prasain, "Current Situation of Occupational Safety and Health in Nepal," (Kathmandu: General Federation of Nepalese Trade Unions (GEFONT), 2011).

⁷¹Ministry of Health and Population, New ERA, and ICF International Inc., "Nepal Demographic and Health Survey 2011."

2.4 Quality of Care

Nepal has expanded public health services to remote corners of the country, increasing people's access to health care services. The expansion has, in many instances, not been accompanied by improved quality at the point-of-care. Increasing the utilization of health services may not improve health outcomes unless the services are also characterized by excellence in delivery along with benchmarks for good quality. The Mid-term Review of NHSP II explicitly notes that, "Access has been the focus..... Now more attention on quality of care is needed as a matter of priority.⁷²"

Quality of care related challenges remain with basic inputs such as: deficit (and absence) of qualified health workers at facilities, stock-out of drugs and commodities, non-functioning equipment and poor physical and utility infrastructure.⁷³⁷⁴⁷⁵⁷⁶ Curative services, in particular, have suffered more from the quality issues.⁷⁷

Recently conducted assessment of birthing centres found only 57% of nursing staff assigned at birthing centres had received SBA training⁷⁸. Further, guidelines for infection prevention were not being followed i.e. hand washing was observed only by 12% of service providers during ANC check-ups⁷⁹. Cleanliness, visual and auditory privacy, and poor counselling services at health facilities were major reasons identified for dissatisfaction among maternity and outpatients clients⁸⁰⁸¹⁸². Interestingly, the assessment of the birthing centres found that SBA skills were not better in the private health facilities, surmising that quality of care remains a challenge for the private sector as well⁸³. Low confidence in peripheral health facilities is partly responsible for increased utilization of primary care services at tertiary, secondary, and specialty hospitals. Already crowded referral hospitals are unable to meet the increasing demand for their services and often have bed occupancy rates that surpass their capacity⁸⁴.

Challenges remain in terms of overcrowding of certain facilities – particularly hospitals – while under-utilization of others, particularly peripheral facilities. This is specifically the case in maternity units of the referral hospitals. This underscores a need for a more organized primary health care system with good gatekeeping function and effective referral mechanism to manage service delivery in a cost effective manner. This also implies for the expansion of the public health facilities in consideration to change in distribution of population across geography.

⁷²Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

⁷³Subedi et al., "Service Tracking Survey 2011 Nepal Health Sector Programme II."

⁷⁴Suresh Mehta et al., "Service Tracking Survey 2012 Nepal Health Sector Programme II," (Kathmandu: Ministry of Health and Population, 2013).

⁷⁵Ministry of Health and Population, Health Research and Social Development Forum (HERD), and Nepal Health Sector Support Programme (NHSSP), "Service Tracking Survey 2013 Nepal Health Sector Programme II."

⁷⁶Family Health Division, "Results from Assessing Birthing Centres in Nepal," (Kathmandu: Department of Health Services, 2014).

⁷⁷Foster et al., "Review of Nepal Health Sector Programme: A Background Document for the Mid-Term Review."

⁷⁸Family Health Division, "Results from Assessing Birthing Centres in Nepal."

⁷⁹Ibid

⁸⁰ Subedi et al., "Service Tracking Survey 2011 Nepal Health Sector Programme II."

⁸¹Suresh Mehta et al., "Service Tracking Survey 2012 Nepal Health Sector Programme II."

⁸²Ministry of Health and Population, Health Research and Social Development Forum (HERD), and Nepal Health Sector Support Programme (NHSSP), "Service Tracking Survey 2013 Nepal Health Sector Programme II."

⁸³Family Health Division, "Results from Assessing Birthing Centres in Nepal."

⁸⁴Madhu Dixit Devkota et al., "Responding to Increased Demand for Institutional Childbirths at Referral Hospitals in Nepal: Situational Analysis and Emerging Options," (Kathmandu: Family Health Division, 2013).
⁸⁵Ibid.

MoHP drafted a Quality Assurance Policy in 2009 to "ensure the quality of services provided by governmental, non-governmental and private sector according to set standard.86" However, with no resource backup, the implementation of the policy remains poor.87

Quality of care is often seen as a "holistic" issue with aggregate improvements realized by strengthening individual health system components such as human resource, physical infrastructure, information management, etc. Here it becomes important to ensure that, the cumulative improvements in the health systems actually result in improved quality of care at the point of service delivery; and this can be measured through explicitly defined quality standards.

Reports of increasing resistance to antimicrobial drugs, in Nepal and globally, are threatening to undermine the benefits of antibiotics that have been crucial in treating bacterial infections, preventing the spread of disease and minimizing serious complications⁸⁸⁸⁹. Misuse, overprescription, dispensing of these without medical consultation, low potency as a result of poor manufacturing and storage conditions have increased the opportunity for individuals to become infected by antibiotic-resistant bacteria. Further, indiscriminate use of antimicrobial use in animals have also been associated with the emergence of this resistance in humans, thereby reducing the effectiveness of antimicrobial drugs in treatment of human disease⁹⁰. These developments underscore the need to better regulate and promote the judicious use of these drugs in both animal and human medicine and slow the development of their resistance.

2.5 Shifting Burden of Diseases and Health Problems

Nepal faces a triple burden of health problems. While communicable diseases account for a large proportion of deaths and disability, there is a growing prevalence of non-communicable diseases and – as a triple burden – so are threats from natural disasters, adverse effects of climate change, accidents, violence, and injuries.

While, the Global Burden of Diseases Study estimates that lower respiratory infections, diarrheal diseases and neonatal encephalopathy remain the main causes of premature death in Nepal, it highlights that Nepal is facing increasing burden of non-communicable diseases (NCDs) and injuries. NCDs account for "more than 44% of deaths, 80% of outpatient contacts, and 39% of DALYs lost Nepal are cardiovascular diseases, diabetes, cancer, chronic respiratory diseases, oral diseases, and mental disorders. These burdens are further exacerbated by rising health care costs that have resulted in high out-of-pocket expenditure (55% in 2008/09) despite of increasing government expenditure on health. Tobacco use, high alcohol consumption, low fruit and vegetable consumption, physical inactivity, obesity and overweight, and air pollution

⁸⁶Ministry of Health and Population, "Policy on Quality Assurance in Health Care Services: Unofficial Translation," (Kathmandu: Government of Nepal, 2009).

⁸⁷Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

⁸⁸Shyamal Bhattacharya et al., "Prevalence of Shigella Species and Their Antimicrobial Resistance Patterns in Eastern Nepal," Journal of Health, Population and Nutrition 23, no. 4 (2005).

⁸⁹Shyam Kumar Mishra et al., "Drug Resistant Bacteria Are Growing Menace in a University Hospital in Nepal," American Journal of Epidemiology and Infectious Disease 2, no. 1 (2014).

⁹⁰E. K. Shrestha et al., "Antimicrobial Resistance Pattern of Escherichia Coli Isolates from Chicken and Human Samples in Chitwan," Nepalese Veterinary Journal 30.

⁹¹Institute for Health Metrics and Evaluation, "Global Burden of Disease Study 2010," (Seattle, Washington: University of Washington, 2010).

⁹²Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

⁹³Babu Ram Shrestha et al., "Nepal National Health Accounts, 2006/07 – 2008/09," (Kathmandu: Ministry of Health and Population, 2012).

are the major risk factors for NCDs in Nepal⁹⁴. Specifically in rural households, the indoor smoke and poor ventilation continue to pose risks for pulmonary and cardio-vascular diseases⁹⁵.

Mental health remains a much-neglect areas, despite the fact that mental illnesses alone count for 18% of the current NCDs burden and this burden is only growing further. For example, in 2009, suicide was the cause of 16% of deaths among women of reproductive age, as compared to 10% in 1998. Even though the data on mental health situation is very limited, it can perhaps be assumed that the burden of mental health is much higher "due to 10 years of armed conflict, prolonged political instability, mass youth migration abroad for employment, ageing of the population, poverty and unplanned urbanization. Psychological trauma among the citizens following the earthquake is an emerging challenge for the health sector.

The Road Traffic Accidents (RTA) in Nepal is rising alarmingly. In 2001 there were 879 fatalities in Nepal from road accidents; whereas in 2013, the fatalities had risen to 1,816. In the last decade, more than 9,000 people have perished from the RTA.⁹⁹ Nepal's fatality rate of 17 per 10,000 registered vehicles in 2009/10 is one of the highest in the world.¹⁰⁰ GDP loss due to RTA is estimated at 0.8%¹⁰¹. Nepal Road Safety Action Plan (2013-2020) calls for a multi-sectoral response to address road safety under the following five pillars: road safety management, safer roads and mobility, safer vehicles, safer road users, and post-crash response.¹⁰² The last pillar requires a major response from the health sector.

Institutional and public health capacities to implement and coordinate environmental health issues remain low. Despite some interventions on disaster preparedness (hospital safety, rapid response training, establishment of Health Emergency Operations Centre, etc.), the actual progress is slow. Service Tracking Survey of 2013 showed that only 59% of surveyed hospitals had emergency contingency plans; out of them only 35% held a meeting to discuss the plan. ¹⁰³¹⁰⁴ Climate change and human health remains a new area and there is not much knowledge within the health sector to determine the impact of climate change in the health of the citizens ¹⁰⁵.

2.6 Post-disaster situation

The devastating earthquake of April, 2015 took a serious toll of the health sector. It resulted in disruption of health services in affected areas as well as significant damage to health infrastructure. In the earthquake 8,702 people lost their lives (45% male, 55% female). A total of 446 public

⁹⁴Krishna Kumar Aryal et al., "Non Communicable Diseases Risk Factors: Steps Survey Nepal 2013," (Kathmandu: Nepal Health Research Council, 2014).

⁹⁵Ibid.

⁹⁶Government of Nepal, "Multisectoral Action Plan for the Prevention and Control of Non Communicable Diseases (2014-2020)," (Kathmandu2014).

⁹⁷Bal Krishna Subedi et al., "Nepal Maternal Mortality and Morbidity Study 2008/2009," (Kathmandu: Ministry of Health and Population, 2009).

⁹⁸Government of Nepal, "Multisectoral Action Plan for the Prevention and Control of Non Communicable Diseases (2014-2020)."
⁹⁹Arjun Jung Thapa, "Status Paper on Road Safety in Nepal," in Europe-Asia Road Safety Forum and the 67th Session of the Working Party 1 of UNECE (New Delhi: Department of Roads, 2013).

¹⁰⁰Ministry of Physical Planning & Transport Management, "Nepal Road Safety Action Plan (2013-2020)," (Kathmandu: Government of Nepal, 2013).

¹⁰¹Global Health Observatory (GHO), "Nepal: Country Profile," World Health Organization, http://www.who.int/gho/countries/npl/country_profiles/en/.

¹⁰²Ministry of Physical Planning & Transport Management, "Nepal Road Safety Action Plan (2013-2020)."

¹⁰³Ministry of Health and Population, Health Research and Social Development Forum (HERD), and Nepal Health Sector Support Programme (NHSSP), "Service Tracking Survey 2013 Nepal Health Sector Programme II."

¹⁰⁴Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

¹⁰⁵Sharad Onta, "Climate Change and Health: An Overview" (paper presented at the National Workshop on Climate Change and Human Health: Potential Impact, Vulnerability and Adaptation in Nepal Kathmandu, 2007).

health facilities and 16 private facilities were completely destroyed while a total of 765 health facilities were partially damaged. This calculates to 43% of country's health institution directly affected by the earthquake. In monetary terms, the damages and losses is estimated at NPR 7.54 billion which necessitates NPR 14.7 billion (estimated) for recovery and reconstruction need¹⁰⁶.

To cater to the health needs of thousands of people affected by the earthquake, in addition to the regular services, MoHP has to provide additional health services such as mental health and rehabilitation services. These require additional capacities and resources. While the immediate post-earthquake response of the health sector was impressive, it nevertheless stretched the capacity of the sector to its limit. It also exposed limitations in current health systems and capacity deficits within MoHP vis-à-vis emergency preparedness and disaster response.

Notwithstanding the tragic consequences of the earthquake, the post-disaster situation is nevertheless an opportunity for MoHP to rebuild the health systems and reorganize the sector to make it more effective, efficient and responsive to people's needs.

2.7 Health Care Financing and Financial Protection

The overall macroeconomic situation of Nepal is slowly improving. The average growth of Gross Domestic Product (GDP) has been 4.3% over the last five years, i.e. from 2010 to 2014¹⁰⁷. However, in post-earthquake scenario, the GDP growth for 2015 is projected to drop down to 3% - the lowest in last eight years 108. The share of public spending in GDP has increased from 21.8% in 2010 to 23% in 2014 which indicates a growing fiscal space. 109 However, while the health sector has benefited from larger public spending, its share in total public spending has declined in the last two years of the NHSP II period (6.2% in 2010/11 to 5.1% in 2013/14)¹¹⁰. The contribution of the EDPs during NHSP I and II has remained almost one third of the total MoHP expenditure, highest being 42% in 2009/10 and lowest being 25% in 2013/14¹¹¹. As Nepal plans to graduate to LMIC by 2022 and coupled with the fact that the overall poverty incidence of Nepal is decreasing¹¹², it is likely that in future EDPs' investment in health may decrease. This gap is then expected to be filled through increased government investment in health. However, in the aftermath of the earthquake –with anticipated increase in fiscal deficit for few years to come – it is very taxing for the government to fulfil this gap alone To ensure that progress and achievements made in crucial social sectors like health are not jeopardized, the GoN has called for an increased investment in social sector from development partners and international community¹¹³.

Compared to NHSP I period, the share of national expenditure to MoHP has declined during NHSP II. This is linked with low absorption rate of the MoHP (83%¹¹⁴) for the last five years (2009-2014) as compared to the overall national absorption rate of 88% - underscoring the need for a collective effort to further increase public financing in health as well as better management of the

¹⁰⁶National Planning Commission, "Final Report on Post Disaster Needs Assessment and Recovery Plan of Health and Population Sector." (Kathmandu2015).

¹⁰⁷Ministry of Finance, "Economic Survey Fiscal Year 2013/14," (Kathmandu: Government of Nepal,, 2014).

¹⁰⁸National Planning Commission, "Nepal Earthquake 2015 Post Disaster Needs Assessment," (Kathmandu: Government of Nepal, 2015).

¹⁰⁹Asian Development Bank, "Nepal: Economy," Asian Development Bank, http://www.adb.org/countries/nepal/economy.

¹¹⁰Ministry of Finance, "Red Book," (Kathmandu: Government of Nepal, 2009 - 2014).

¹¹¹Ibid.

¹¹²Central Bureau of Statistics, "Nepal Living Standards Survey 2010/11," (2011).

¹¹³Ministry of Finance, "Theme Address by the Honorable Dr. Ram Sharan Mahat Finance Minister of Nepal," in International Conference on Nepal's Reconstruction (Kathmandu2015).

^{114&}quot;Red Book."

available financial resources. The underlying factors for low budget absorption of the MoHP are mismatch between needs and planning, delays in authorization of expenditure, weak institutional capacity of MoHP and poor expenditure reporting for activities directly funded by the EDPs.

Over the period of NHSP I and II, MoHP has introduced different interventions to increase the utilization of priority interventions (free care, safe delivery, uterine prolapse, etc.) and provide financial protection to the poor and selected target groups. Consequently, per capita expenditure in the health sector has witnessed an increasing trend (39 US\$ in 2013) and a decreasing trend of out-of-pocket spending¹¹⁵.

But despite this remarkable progress, out-of-pocket expenditure (OOP), which is the most unfair and regressive way of funding health services, still constitute the largest (49%) source of funding in Nepal. In the absence of comprehensive regulatory fee structure, citizens face unfair prices and/or inappropriate, inadequate or unnecessary care when seeking care.

The heavy reliance on out of pocket payments poses not only financial barriers for the utilization of health services, but as people are forced to spend a substantial share of their income¹¹⁶, it even can cause financial impoverishment. A study carried out in Kathmandu valley found that non-communicable diseases – such as diabetes, asthma and heart disease – were often associated with catastrophic spending in the poorest households¹¹⁷. However, even quite common health problems like flu/cold/fever were found to be catastrophic among the population with low paying capacity given relatively high cost of care and very poor access to free health care services in the urban areas¹¹⁸.

Most of the government budget is directed to fund the health systems inputs following the lineitem budgeting practice; however, with the introduction of various social protection schemes, the MoHP has also initiated the output-based budgeting practice. However, funds allocated on the basis of inputs and outputs are mixed at the facility level, leading to the MoHP paying for inputs and as well as outputs without a clear distinction.

As a new reform agenda, the government is in the process of implementing Social Health Security scheme – by establishing a semi-autonomous purchasing agency – to increase the financial protection by promoting pre-payment and risk pooling in the health sector. The recently endorsed National Health Insurance Policy foresees the integration of all social health protection schemes, demanding a clear roadmap towards this end.

There is a need to formulate a comprehensive health financing strategy to garner adequate resources in the health sector, ensure efficient and effective utilization of available resources, and to streamline different social health protection schemes.

¹¹⁵World Health Organization, "Global Health Expenditure Database," (Geneva: World Health Organization, 2013).

¹¹⁶Central Bureau of Statistics, "Nepal Living Standards Survey 2010/11."

¹¹⁷Eiko Saito et al., "Catastrophic Household Expenditure on Health in Nepal: A Cross-Sectional Survey," Bulletin of the World Health Organization 2014 92(2014).

¹¹⁸Ibid.

2.8 Sector Management and Coordination

The rapid expansion of health care providers and health institutions provides an opportunity for the development of the sector. However, the health sector is increasingly becoming more complex with numerous state and non-state actors participating and exerting their influence in the sector. The number of non-state health service providers and health institutions continue to grow rapidly, making its overall management and results-orientation more difficult.

As articulated in the National Health Policy, improvement in health outcomes requires efforts across several sectors – not just health. Health becomes part of the broader development agenda as part of the wider social determinants of health such as empowering of women, improving of rural and urban infrastructure, food security, expanding access to clean water and sanitation, better waste management, and improving access to quality education. The approach of ensuring health in all policies is being promoted to emphasise the importance of multi-sectoral workings. These factors ensure stronger public health actions at national and community levels and a more integrated approach on putting health as a central component of development.

However, as the country increasingly seeks multi-sectoral coordination in health, it poses the additional burden for the government to not only manage ever-growing number of customary health actors but also coordinating the plethora of multi-disciplinary stakeholders partaking in the arena of public health.

In the last decade, the country has seen a lot of investment in health from the private sector as reflected by the number of private health facilities that have mushroomed throughout the country. There were 16 private hospitals in Nepal in 1990. By 2006 their numbers increased to 190 hospitals and currently, as of 2014, there are 301 registered private hospitals in Nepal. In fact, data collected in 2012 show that the number of beds (19,580) in private hospitals far surpasses those in the public hospitals (5,644)¹¹⁹. Most of these private hospitals are concentrated in urban areas (67 of them are in Kathmandu valley) and mainly cater to the clients from higher wealth quintiles. Having said that, private health service utilization is also increasing in rural areas where people increasingly visit private pharmacies which also provide basic medical consultation ¹²⁰. Contribution of the private sector to improve access to health services is appreciable with increasing preference over the public sector; however, the public sector needs to improve its service delivery to ensure that people have more effective choices at an affordable cost. Necessary regulatory and strategic mechanisms to regulate the private sector and harness the full potential of State and Non-State Partnership (SNP) remain largely missing. Because of weak regulation of the private sector, citizens often face inappropriate, inadequate and unnecessary care.

Nepal has a long tradition of collaboration with the non-state health care providers; some are financed by the government and others by EDPs and international NGOs. Currently a number of partnership models are operational across Nepal in collaboration with not-for-profit NGOs, private-for-profit hospitals, and medical colleges. However, in the absence of uniformity in contract structure or its effective supervision and monitoring, these partnerships are seen as innovative pilots lacking long term strategic commitment for its sustainability. If SNP is to be recognised as a long term, sustainable strategy, it is imperative to create certain minimal enabling conditions.

¹¹⁹Central Bureau of Statistics, "A Report on Census of Private Hospitals in Nepal 2013" (Kathmandu: National Planning Commission, 2013).

¹²⁰ Nepal Living Standards Survey 2010/11."

The current structure of MoHP and its subordinate authorities is more than 25 years old. There is a growing recognition that to address the contemporary and emerging health challenges, there is a need for organisational assessment and restructuring that is also linked to the evolving stewardship role of the government over the sector at large¹²¹¹²². The changing organizational functions also require modifications to existing roles and responsibilities and a sectoral capacity development plan.

Further efforts are required to promote local health governance and decentralization. The NHSP-II mid-term review identified a top down approach being favoured in planning and budgeting. Matters of procurement, resource allocation, transfers and leave issues being totally dealt with at the central level does not favour the concept of decentralisation. At district level and below, health management committees and health workers may reflect the local community needs and draw up plans; however, the district level health plans are not always honoured by the central level planning and budgeting. The government recognizes the need for devolution of more functional authority to local levels so that need based planning, budgeting and HR management can be carried out at district level. Collaborative Framework signed between MoHP and MoFALD in 2014 to promote local health governance is a step in that direction.

The Sector Wide Approach (SWAp) that came into effect in 2004 continues to hold and is largely seen as a 'mature' SWAp which the GoN aims to replicate in other sectors. 124125 The assessment of the implementation of the Paris Principles on Aid Effectiveness shows good progress made in the health sector. 126 Improved aid effectiveness has helped strengthen health systems and "facilitated the rapid scale-up of proven, successful service delivery interventions. 127"

However, the momentum gained on establishing good partnership needs to continue to address some persistent challenges that remain on aid effectiveness. One of them is the effective and efficient management of Technical Assistance (TA) in the sector; the effective use of TA for long-term institutional capacity development is another associated challenge. The large, and growing, volume of health aid channelled through the INGOs largely remains outside the purview of MoHP, weakening the alignment of government priorities and resulting in poor harmonisation among partners. Although the predictability of aid in the health sector has somewhat improved over the years – with some development partners making multi-year commitments – many partners are still unable to do so. On the other hand, "the government's financial system remains weak which may increase fiduciary risk for partners. 130"

¹²¹Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

¹²²Nepal Health Sector Support Programme (NHSSP), "Functional Assessment and Organization Review of the MoHP: A Diagnostic Report," (Kathmandu2013).

¹²³Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

¹²⁴Ibid.

¹²⁵Ministry of Finance, "Development Cooperation Policy: International Cooperation for Development Effectiveness."

^{126&}quot;2011 Survey on Monitoring the Paris Declaration: Nepal Country Report," (Kathmandu: Ministry of Finance, 2011).

¹²⁷Denise Vaillancourt and Sudip Pokhrel, "Aid Effectiveness in Nepal's Health Sector: Accomplishments to Date and Measurement Challenges," (Kathmandu: International Health Partnership (IHP+), 2012).

¹²⁸ Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

¹²⁹Ministry of Health and Population, "Progress Report on Partnership, Alignment and Harmonisation in the Health Sector," (Kathmandu: Government of Nepal, 2014).

¹³⁰Ibid.

2.9 Health Systems Strengthening

Despite some progress made towards establishing systems and controls for procurement of pharmaceutical supplies, more efforts are required to reform procurement management and supply chain systems. While progress has been made, concerns remain over the effectiveness of public financial management and accounting within the government. This is a key element in ensuring progress and confidence in the management of the sector.

Incremental progresses were made in monitoring and evaluation and health information management under NHSP I and NHSP II. However, despite being placed as a prominent strategic direction in both NHSP I and NHSP II, very little progress has been made in the integrated approach to information management. Different information systems seldom 'talk' to each other and suboptimal health information governance means the adequate use of information and evidence in decision making remains limited. The current Health Sector Information Strategy (HSIS) was drafted in 2007; changes in technological, M&E and health landscape that has taken place since then warrants that this strategy be revised. Similarly, to leverage modern information and communication technologies in the health sector, a need for e-health strategy is also there¹³¹. Current system to register births and deaths is not up to the mark and the need for a robust civil registration and vital statistics (CRVS) system is felt.

Despite many efforts, almost all aspects of HR: production, recruitment, deployment and retention remain a challenge and needs focused attention as a matter of priority. Effective and efficient management of HR capacities remains weak. Fragmented training and orientations not only make capacity development measures inefficient and, together with frequent deputations outside of duty stations, leads to absenteeism of health workers 133. Motivation of health workers also remains a challenge. Some exercise on performance-based incentive models has been done but these are yet to be adopted and rolled-out on a meaningful scale. 134135

Over the last couple of decades, the government has brought health services closer to the communities through a decentralized health system. There is at least one health post in every VDC, one PHCC in every electoral constituency, a district level hospital in every district and secondary level hospitals in zonal and regional levels.

During NHSP-II period, a more systematic and scientific basis for developing health infrastructure was realised. As a result, health infrastructures have gradually improved over time. During NHSS period, further effort is required to implement these guidelines and standards to improve access to public sector primary and tertiary level health services, particularly in hard-to-reach areas. Along with new infrastructures, maintenance of these infrastructure and equipment is needed to better serve the local health needs – particularly in districts that were affected by the 2015 earthquake.

¹³¹Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

¹³²Ministry of Health and Population, "Human Resources for Health Strategic Plan 2011-2015" (Kathmandu: Government of Nepal, 2012)

¹³³Ministry of Health and Population, Health Research and Social Development Forum (HERD), and Nepal Health Sector Support Programme (NHSSP), "Service Tracking Survey 2013 Nepal Health Sector Programme II."

¹³⁴Foster et al., "Review of Nepal Health Sector Programme: A Background Document for the Mid-Term Review."

¹³⁵Daniels et al., "Nepal Health Sector Programme II Mid-Term Review."

2.10 Ayurveda Health Services and Alternative Medical Systems

Alma Ata Declaration highlights the importance of mobilizing traditional medical systems together with modern medicine system to strengthen primary health care. The role of traditional medicine systems is even more important to realize the vision of NHP 2014 to "ensure social and emotional health of the citizens". International experiences show that in cases where behavioural, emotional, or spiritual factors lead to illnesses, traditional medical systems have made demonstrable contribution as compared to modern medical system¹³⁶.

Government of Nepal is committed to protect and promote traditional medicine systems. In Nepal, Ayurveda is in the forefront of traditional health care and it has been inherent to Nepal since the early periods of the country's history.

In the public sector, Ayurveda health services are delivered through two hospitals, 14 zonal Ayurveda dispensaries, 61 District Ayurveda Centres and 214 sub-district level dispensaries. In fiscal year 2013/14, nearly 1 million people availed Ayurveda services through the public sector. In this period, more than 67,000 people were also provided homeopathic services through Pashupati Hospital in Kathmandu - the only government-run homeopathic outlet in the country¹³⁷. This hospital also provides Unani services.

Despite the government's growing focus on Ayurveda health services, these systems are yet to be delivered in a more integrated manner with the modern health system. The fragmented delivery of these services compromise efficiency and limit the choices for clients.

Nepal has a great opportunity to produce and trade herbal medicines and products. While the country possesses 700 different types of plants that are of medicinal value¹³⁸, this opportunity is yet to be fully exploited. There is ample scope for health sector here to collaborate with sectors like forestry to produce and export herbal medicines and products.

The government also provides Homeopathy and Unani services through its public health networks. In the mountainous regions, the Tibetan medical system called Aamchi and in Terai region herb based traditional medical system called Gurau are practiced. The practice of seeking services from traditional faith healers such as: Dhami, Jhankri, Guvaju, Jharphuke, etc. is still prevalent in many communities of Nepal. In order to understand the efficacy of these practices, the stocktaking of these practices is yet to be done and mainstreamed.

¹³⁶Maurice M. Iwu and Erick Gbodossou, "The Role of Traditional Medicine," The Lancet 356.

¹³⁷Department of Health Services, "Annual Report 2070/71."

¹³⁸Ministry of Forests and Soil Conservation, "Non-Timber Forest Product Policy," ed. Department of Plant Resources (Kathmandu: Government of Nepal, 2004).

3. Vision and Mission

As an embodiment of National Health Policy 2071 (NHP-2014), NHSS carries the policy's aspirational vision and mission statements. NHSS is designed to implement the policy goal to realize health as a fundamental right of every citizen by ensuring access to quality health services delivered through equitable and accountable health systems. Furthermore, the 14 policy elements of NHP-2014 guide the overall strategic priorities of NHSS.

1.1 Vision

All Nepali citizens have productive and quality lives with highest level of physical, mental, social and emotional health.

The Vision carries the aspiration to bring about holistic change in individuals and society by improving the health status of the citizens leading to overall human, social and economic development. The vision statement alludes to the idea that increasing the investment in human health is central to Nepal's development; healthy productive citizens are able to better society and drive economic growth. The vision aspires the sector to focus beyond its traditional role of delivering healthcare services to Nepali citizens. It establishes the mental, social and emotional well-being of individuals as integral facets of human health to enable citizens to live quality lives.

1.2 Mission

Ensure citizens' fundamental rights to stay healthy by utilizing available resources optimally and through strategic cooperation between service providers, service users and other stakeholders.

The Constitution of Nepal (2015) recognizes the citizens' right to stay healthy as a fundamental human right. It aims to progressively realise this right by actively engaging the communities and nurturing the notion of individual responsibility towards one's health. For this, the government seeks concerted and coordinated efforts of public and private service providers and other relevant stakeholders. The citizen's right to health is achieved through exploring suitable options to effectively and efficiently manage the available health resources and this also demands strategic cooperation amongst all stakeholders including the service users themselves.

4. Strategic Direction and Approaches

Nepal is committed to accelerate Universal Health Coverage (UHC) to ensure equitable access to quality health services for the population. The move towards progressive universalism is made

through the provision of basic health services that are provided free-of-charge and other services beyond the basic health package that are provided at an affordable cost through targeted subsidies and various social health protection schemes. The focus is to concentrate on the progressive expansion in both basic and beyond the basic health package of services with continuous improvement in quality of care being delivered; making these services more

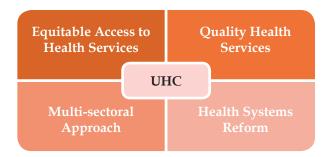


Figure 1: Four Strategic Directions for UHC

affordable; and covering the larger population in need – especially the vulnerable and poor. During NHSS period, MoHP will identify and initiate suitable and sustainable options to finance the sector in moving towards UHC.

For the next five years, NHSS propels Nepal's health sector towards UHC through four key strategic directions:

- Equitable Access to Health Services
- Quality Health Services
- Health Systems Reform
- Multi-sectoral Approach

This chapter elaborates these directions and highlights some approaches to realize them. The four strategic directions shape the specific outcomes, outputs and targets as presented in Chapter 4 and in the associated Implementation Plan and Results framework. These strategic directions also warrant changes in the way the health sector is currently governed and managed.

4.1 Equitable Access to Health Services

The pursuit of equitable development is included in the Constitution of Nepal (2015), National Health Policy 2014, and periodic plans of the National Planning Commission (NPC). These high-level policy frameworks recognise that women, Dalits, Adibashis Janajatis (indigenous and ethnic people), Madhesis, Muslims, people living with disabilities, sexual and gender minorities, and people in geographically remote areas have experienced barriers to benefit from the nation's development which warrant affirmative action. Mitigating these barriers to ensure that citizens have greater access to health services is a major thrust for NHSS period.

Overcoming existing health inequities requires a sustained multi-pronged strategy to address both demand and supply side barriers and to build the capacity of MoHP to lead this agenda. NHSS re-emphasises the importance of the equitable provision of health care for all as the backbone strategy for the health sector. The government is committed to ensure that health systems and services are tailored to the needs of the citizens taking into account their socio-cultural, economic, and demographic characteristics. Considering GESI in all policy and management decisions will be the key to achieving the vision of the government as presented in the National Health

Policy 2014. For this reason the government and its partners are committed not only to improving the overall health outcomes on a population basis but to setting and achieving targets that are disaggregated by sex, wealth, geography and ethnicity.

NHSS focuses on strengthening service delivery and demand generation to underserved populations, including urban poor. MoHP will gradually implement the "one village, one doctor" aspiration of NHP-2014 to bring health services closer to the people. Capacities of local bodies will be enhanced to better promote health and increase inclusive participation in local health decision-making processes. Greater partnerships with locally active groups, such as mother's groups or forest users groups, are required to empower women, promote supportive cultural practices and healthy lifestyles in their respective communities. NHSS also promotes health sector's role in ultimately eliminating gender-based violence (GBV) in Nepal.

4.2 Quality Health Services for All

Improving quality of health care services requires a focus on the performance across the entire health system. Advancing the quality of systems and services is ingrained in all strategies and actions of NHSS. Strengthening of procurement, supply chain management, human resource management, M&E and information management, sector financing, as well as other core systems are all driven by the ultimate goal of improving quality of services. Nevertheless, it is essential to focus on improving the quality at point-of-delivery, where people receive health services, from immunizations at remote out-reach clinics to specialty care provided at tertiary hospitals.

This requires that services meet basic standards of quality, which are coordinated across multiple layers of public and private providers, centred on clients' needs and expectations. For this purpose, NHSS focuses on developing minimum standards of care that are applicable to both public and private sector.

Quality Dimensions

The past health sector strategies have emphasized quality but they were not explicit in defining what interventions are necessary to improve quality and how to measure it. Of course, quality of care is often the cumulative end result of many reforms and overall health systems strengthening. However, to formulate necessary strategic interventions it is important to highlight the key elements of quality of care at the point of service delivery. Henceforth, NHSS considers that care is of quality when it is: effective; safe; client-centred; timely; equitable; culturally appropriate; efficient; and reliable.

Without sufficiently defining these domains and understanding what particular deficits exist in the aforementioned elements, it is difficult to improve quality. Therefore, focus for the next five-years is on developing this knowledge; communicating it to the policy makers, providers, and partners; and identifying suitable interventions to improve quality of care at the point of service delivery.

An Accreditation Body for Quality Assurance

In order to ensure quality standards are developed, introduced and employed across all types of public and private sector providers, NHP 2014 envisions the establishment of a new quality

assurance body, in the form of an autonomous authority. This body will work closely with professional associations and existing regulatory authorities for ensuring high standards of health services across the sector and promoting safe and good medical practices. It will regulate quality standards and protocols, investigate non-compliance of service providers.

4.3 Health Systems Reform

NHSS prioritizes good governance to ensure clear lines of authority and decision-making and to instil the understanding that all levels of the health system are accountable, ultimately to the people that they serve. With changing roles comes new responsibilities and these require mechanisms for central and local accountability to be strengthened along with competencies in leadership and management. NHSS will focus on further strengthening district health systems.

Restructuring health sector and rebuilding health systems

The present structure of the public health sector may require reorganizing to implement the forward-looking aspirations of the National Health Policy 2071 and emerging developments in the global health agenda. The recent earthquake induced disaster, which destroyed health infrastructure and damaged health systems in affected districts, while tragic, also provides an opportunity to restructure and rebuild health systems better.

NHSS calls for reviewing current structure and functions at different tiers of health governance, developing and rolling-out restructuring plan, including redefining of roles and responsibilities of different health institutions. Furthermore, structural adjustments – especially with regards to purchasing and providing functions – are required to progressively roll-out health insurance across the nation. These efforts need to be aligned and adjusted with the on-going political agenda of re-structuring of the state.

The post-disaster reconstruction and rebuilding plan, under NHSS, takes into consideration opportunities to restructure and rebuild systems to provide more effective and efficient health care services. The restructuring will also take into account establishing systems, structures and procedures for disaster and emergency preparedness at all levels. The post-earthquake scenario has also created additional health needs such as mental health and rehabilitation services to the affected population.

Decentralized planning and budgeting

Recent evidences show that decentralized health planning and management inspires local leadership, mobilizes local resources and promotes innovations in addressing local health needs leading to local ownership which in turn results in more equitable and quality health services¹³⁹. The MoHP has promoted decentralisation and strengthening of local health governance and, under NHSS, this is accelerated under the provisions of the Local Self Governance Act (1999) that clearly defines the roles and responsibilities of local bodies relating to health and population.

As indicated by the assessments of Local Health Governance Pilots in Dang, Surkhet and Kailali by MoHP, USAID, and GIZ

NHSS prioritises the implementation of the "Collaborative Framework for Strengthening Local Health Governance in Nepal". As outlined in the Framework this initiative strengthens overall local health governance, transparency, accountability and responsiveness. It promotes participatory development and prioritizes health within the local development agenda. This initiative attempts to redefine the roles and responsibilities of collaborating partners, leading to a new stewardship role of the MoHP at central level and more evidence-based local planning and decision-making at district, municipality and VDC levels. The introduction of more decentralised planning and resource allocation is accompanied by further introduction of flexible health grants through the District Development Fund. NHSS puts additional emphasis to instill disaster and emergency preparedness at district and below levels.

NHSS imparts necessary authority to the regional health structure to ensure sufficient linkages between the district and national levels in terms of local health planning and budgeting processes. It also recognizes the important role of the regional level to continuously monitor the equitable delivery of quality health services at sub-national levels.

State and Non-State Partnerships

Nepal has a long tradition of collaboration between public (state) and private (non-state) health care providers. Private health institutions make a significant contribution in the health sector. Government has invested in some of these partnerships, similarly, EDPs and I/NGOs have also invested in some of them. A number of partnership models are operational across Nepal in collaboration with not-for-profit NGOs, private-for-profit hospitals, and medical colleges. However, in the absence of standards in partnership structures or its effective supervision and monitoring, these partnerships are seen as innovative pilots lacking long-term strategic commitment for its sustainability. Leveraging private sector in health care delivery has always been a priority for the government, which requires a mutually conducive environment.

NHSS expands state and non-state partnership by building mutually beneficial partnerships between the public and private sectors. Partnerships are not just initiatives of 'good faith' between the public authority and private providers. It must be seen as strategic initiatives that are mutually beneficial to both state and non-state actors. Therefore, NHSS prioritizes the development of a State Non-State Partnership policy that assures contextually appropriate and synergistic partnerships between the state and non-state actors.

Regulation across the public and private health system

As decentralization occurs and public-private partnerships are fostered, the state has to take a stronger role in providing stewardship and regulating the sector.

NHSS aims to strengthen institutional capacity of MoHP to ensure healthcare institutions become more accountable to people and patient outcomes rather than simply quantities of services. Nepal Public Health Act, which is expected to be enacted during the early NHSS period, further strengthens the legal authority of MoHP to regulate the sector at large.

Strengthening research and promoting the use of evidence

National Health Policy 2071 calls for improving the quality of health research in line with international standards. NHSS translates this policy vision by strengthening the capacity and regulatory functions, prioritizing research in the health sector, establishing quality assurance mechanisms, and by building partnerships with relevant national and international actors.

One of the ways to facilitate better use of evidence in the health sector is to link researchers, information system managers, and knowledge brokers, with the decision makers. NHSS gives special emphasis to a joint effort among MoHP, NHRC and other stakeholders for evidence-based decision making while also developing capacities at sub-national levels to utilize information and evidences so as to strengthen local level health planning and service delivery.

Application of modern technologies

NHSS recognizes the potential of modern technologies, not only in making the health systems more effective and efficient, but also in increasing access to health care services in remote areas. It emphasises the use of technologies on these fronts:

- Information and Communication technologies for improving M&E and information management functions to promote evidence-based decision making
- Use of technologies, such as telemedicine and m-Health, to increase access to health care services
- New technologies to improve logistics and supply chain management
- Modern engineering technologies to construct more economical, practical, and disasterresilient physical infrastructure
- Scaling-up of bio-medical technologies specially for curative services

To prevent ad-hoc use of technologies and to ensure that they are applied in-line to the strategic priorities of the health sector, this strategy calls for necessary institutional arrangements, including building capacities at different levels, to leverage technologies adequately, better manage (asset management) existing technologies and improve repair and maintenance functions.

4.4 Multi-sectoral Approach

Health is part of the broader development agenda more linked to the wider social determinants such as empowering of women, improving of rural and urban infrastructure, expanding access to clean air, water and sanitation, better waste management, and improving access to quality education. Ensuring health in all policies emphasises the importance of multi-sectoral working.

While inter-sectoral coordination in health has been going on for a long time, more institutionalized way of setting-up multi-sectoral approach is a relatively new phenomena. NHSS reviews the current multi-sectoral approaches being practiced in areas such as nutrition and WASH and identifies ways to strengthen them. NHSS also calls for building capacities within MoHP to effectively harness multi-sector collaboration.

Promoting healthy lifestyles and healthy environment through multi-sectoral action

NHSS prioritises multi-sectoral collaboration to improve health lifestyles and healthy environment. It places renewed emphasis on healthy lifestyles and healthy environments so that health again becomes the concern and mutual responsibility of the government and its citizens. Providing information and promoting positive choices on issues such as regular exercise, healthy eating, avoiding smoking and harmful alcohol intake is seen as essential to stem the tide of increasing non-communicable diseases. Engagement of the MoHP with other Ministries involved in areas such as urban planning, roads, education, water, and environment is seen as a means for creating and fostering healthy living environment and tackling the adverse efforts of climate change on human health

Children as the starting point

The children of a nation are its future and as such they provide the best place to start when looking at developing basic skills and habits linked to a healthy lifestyle. Investment in children will pay dividends in the future by reducing the burden of ill-health on over-stretched health care systems. The approach that NHSS advocates is to emphasise the process of early promotion of health lifestyle in order to increase resilience later.

The school has a key role to play in providing a conducive learning environment to promote positive healthy practices. For example, global experiences show that early sexuality education equips young people with information, knowledge and skills to negotiate and enjoy better reproductive and sexual health resulting in a responsible and healthy behaviour amongst young population. The idea behind this is that a healthy school environment facilitates healthy choices. This approach requires working with Ministry of Education to jointly develop evidence- based curriculum that educate and promote adoption of healthy and responsible lifestyles, emphasis on balanced diet and exercise, health consequences of substance abuse and harmful practices.

Health facilities as a learning environment for healthy lifestyles

Increased awareness of healthy lifestyle choice across all sections of the population can be promoted through the network of public and private health facilities. These facilities need to be strengthened as they play a critical role to educate and promote healthy lifestyles and behaviours in their local communities.

Reducing the high burden of death and injury through improved road safety

To curb the ever-rising deaths and injuries through road traffic accidents, MoHP is committed to be part of the inter-sectoral action plan. For this, NHSS priorities are aligned with Nepal Road Safety Action Plan 2013-2020, of Ministry of Physical Planning and Transportation Management.

Nutrition as a cross-cutting Issue

Good nutrition is a key driver of development and economic growth whilst under-nutrition incurs significant productivity losses for individuals and ultimately for the nation. With this important realization, the government has accorded a top priority to address under-nutrition in the country.

In 2012, the government put in place Multi-Sector Nutrition Plan (MSNP) to which MoHP is an integral part. MoHP has an array of nutrition related plans, policies and strategies with the aim of implementing cost effective and evidence-based interventions targeting the nutritionally vulnerable groups and promoting the consumption of healthy foods. NHSS emphasises better implementation of these strategies and plans. Increasing use of harmful chemicals, antibiotics and pesticides on food products warrants greater attention of MoHP during the NHSS period. Multi-sector advocacy and communication strategies on nutrition and food security will be adopted.

Collaboration to promote healthy environment

Responses required to promote healthy environment and reduce health risks are often complicated by the fact that responsibility of dealing with many of these divergent external factors lie beyond the scope of customary health actors – thus requiring strong multi-sectoral action.

NHSS puts in place consultative mechanisms to build synergy among different state line agencies and non-state actors to promote healthy environment. NHSS also outlines necessary actions to develop the institutional capacity of MoHP in the areas of environment and occupational health.

Establishing Multi-sectoral Response to Climate Change

The impact of climate change and its adverse effect on human health is increasingly being felt in Nepal, especially among poor and vulnerable groups. Parts of the country have suffered a reduction in food production, diminishing water supply, and increase in temperature – all of which have impact on public health. In the Terai regions in Nepal, incidence of diarrhoeal diseases, other infectious diseases are predicted to rise. A major focus of NHSS, for the next five years, is to develop MoHP's in-house competencies, including on generating relevant evidences, to prepare and plan to alleviate the impact of climate change on public health at the national and local levels.

5. Goal, Outcomes and Outputs

5.1 Goal

Improved health status of all people through accountable and equitable health service delivery system

GoN strives to improve the health status of all people, regardless of their sex, caste and ethnicity, or socioeconomic status. NHSS aims to achieve this by ensuring effective functioning of critical and

interconnected health system functions. Further, these functions will be redesigned to make sure that the health care delivery is responsive and accountable to the people's need.

As mentioned in chapter three, Nepal will move towards universal health coverage through persistent emphasis on four strategic pillars: Equity and Access, Quality, Reform and Multi-sector approaches.

Goal Leve	Goal Level Indicators			
G1	Maternal mortality ratio (per 100,000 live births)			
G2	Under five mortality rate (per 1,000 live births)			
G3	Neonatal mortality rate (per 1,000 live births)			
G4	Total fertility rate (births per women aged 15–49 years)			
G5	% of children under-5 years who are stunted			
G6	% of women aged 15-49 years with body mass index (BMI) less than 18.5			
G7	Life lost due to road traffic accidents (RTA) per 100,000 population			
G8	Suicide rate per 100,000 population			
G9	Disability adjusted life years lost due to Communicable, mater nal & neonatal, non-communicable and injuries			
G10 Incidence of impoverishment due to OOP expenditure in health				
Note: Se	Note: See Results Framework			

The achievements will be measured through the goal, outcome and output level indicators. The Results Framework presents these indicators with specific targets for 2020 (Annex 2).

Improvement of health status as reflected in the goal will be the cumulative results of the outcome and outputs along with the key interventions, outlined in the subsequent section of this chapter.

5.2 Outcomes and outputs

The expected outcomes are presented below together with their respective outputs. These statements and the key interventions are the basis for the Implementation Plan, which guides annual planning and budgeting, and for monitoring the sector as per the Results Framework for the next five years.

and budgeting, a	and budgeting, and for monitoring the sector as per the Results Framework for the next five years.			
Outcome 1	Rebuilt and strengthened health systems: Infrastructure, HRH management, ,			
	Procurement and Supply chain management			
Outcome 2	Improved quality of care at point-of-delivery			
Outcome 3	Equitable utilization of health care services			
Outcome 4	Strengthened decentralised planning and budgeting			
Outcome 5	Improved sector management and governance			
Outcome 6	Improved sustainability of health sector financing			
Outcome 7	Improved healthy lifestyles and environment			
Outcome 8	Strengthened management of public health emergencies			
Outcome 9	Improved availability and use of evidence in decision-making processes at all			
	levels			

Outcome 1: Rebuilt and strengthened health systems: HRH, Infrastructure, Procurement and Supply chain management

An efficient and effective system is crucial to improve and ensure quality health services at the point of service delivery. A number of health systems functions are important to make the health care delivery responsive to the people's need. Human resources, Infrastructure, Procurement and Supply chain are highlighted as essential, interconnected and complex health systems components that need to function in tandem for smooth service delivery. These systems are altogether geared towards ensuring optimal deployment and quality of health personnel, setting up minimum infrastructure and the timely procurement, uninterrupted supply of drugs and logistics. Considering these, focus will be on strengthening production, deployment and retention of human resources, standardizing procedures for site selection, developing and upgrading physical infrastructure, maintenance, timely procurement and efficient supply chain.

The importance of these health system functions has been heightened in the aftermath of devastating earthquake on 25th April, 2015. In affected districts, resilient and responsive health systems will need to be built that delivers quality health services. New infrastructure will be erected in strategic locations with commensurate skilled human resources, basic equipment and supplies to deliver routine and additional health services that seek to maximize utilization of public health services.

Health Infrastructure

The focus for the next five years is on building and repairing physical infrastructure and medical equipment in earthquake-affected districts. A master plan is envisioned to guide building of earthquake resilient infrastructures in these districts and across the nation, considering population dynamics, geography, and in strategic sites.

Health infrastructure and medical equipment suffer from unplanned and costly maintenance. This strategy prioritises improving capacity for management of health infrastructure and medical equipment. Specifically, this will require revising standards, managing inventories, planning and conducting routine maintenance, and replacing out-of-date buildings and equipment.

Output	Key Interventions		
Output 1a.1 Health infrastructure	1.	Revise and implement Health Facility Master-plan based on population and geographic criteria, with special focus on post-earthquake scenario	
developed as per plan and standards	2.	Improve infrastructure planning and ensure adherence to building standards including timely development and commissioning	
	3.	Revise standards and guidelines for earthquake resilient construction, including site selection and routine maintenance with clear roles and responsibilities	
	4.	Revise and implement existing guidelines and standards for facility construction, functioning and licensing, including earthquake resilient and disabled friendly infrastructures	
	5.	Establish coordination mechanism between different line Ministries and include private sector stakeholder.	
	6.	Establish reference laboratories at regional level	

Output	Key Interventions		
Output 1a.2 Damaged health	1.	Demolish and re-build damaged and un-usable facilities by the earthquake according to a build-back-better approach	
facilities are rebuilt	2.	Retrofit health institutions to be earthquake-resilient	
Output 1a.3 Improved management of health Infrastructure	1.	Develop and implement guideline for renovation and routine maintenance with defined roles for local bodies	
	2.	Develop capacity of regional and district level staff to routinely monitor, supervise and support health infrastructure development and maintenance	
	3.	Pre-qualify and standardize medical equipment by level of health facility	
	4.	Adopt new engineering and biomedical technologies	
	5.	Maintain inventory of medical equipment / products at all levels	
	6.	Develop replacement plan for medical equipment	
	7.	Improve capacity for maintenance of biomedical equipment at local levels	

Human Resources for Health (HRH)

Delivering quality health services requires foremost the availability of a competent and motivated workforce. They are ultimately responsible for promoting health, preventing disease, and delivering curative, rehabilitative and palliative care. A contextually suitable skill-mix of health workers and their equitable distribution are prioritized in this output. Given the current context of critical shortage of health workers particularly in rural areas, retention of available health workers also remains a priority area for the next five years.

Proposed restructuring of the MoHP, ever-increasing demand for specialized health care, and scaling-up of health facilities based on population and geographic parameters all require the sanctioning and recruitment of new cadres of health workers. Improved coordination and communication among the wide-ranging stakeholders, as well as reliable and timely data on the distribution of health workers across public and private sector institutions are required. Collaborative platforms among multiple actors are needed at various levels: ministries; councils; academic institutions; centres and divisions within MoHP, responsible for the production, deployment and retention, training, and transfers of health workers.

Output	Key Interventions				
Output 1b.1 Improved	Develop an HR master plan based on improved knowledge-base of existing health sector staff and including HR projections, for appropriate production of health sector personnel				
availability of human	2. Strengthen partnerships with academia to better align HR needs with production, particularly for health workers in remote and rural areas				
resources at all levels	3. Review existing HR recruitment and deployment system to timely fill the vacant positions				
with a focus on rural	 Initiate sanctioning and recruitment of new HR to address the problem of inequitable distribution and skill-mix of health workers 				
retention and enrollment	 Develop effective mechanisms for efficient recruitment and distribution of health workers for remote areas, including incentives mechanism. 				
	6. Develop a system to deploy recent medical graduates particularly in rural areas and hard to access areas				

Output 1b.2 Improved	1.	Establish a joint mechanism among MoHP, MoE and academic institutions to upgrade quality of pre-service education for health worker
medical and public health	2.	Review and revise regulations governing health profession education institutions
education and competencies	3.	Revise and standardize the academic curricula with focus on national public health programme, information system and health emergencies
	4.	Undertake institutional development programme to strengthen delivery and management of integrated in-service training
	5.	Develop and implement new methods for capacity building including clinical and management focused mentoring
	6.	Implement the principle of task shifting for optimal utilization of health workers
	7.	Develop the e-learning environment for pre and in service medical education
	8.	Establish at least one medical academic institution in each region
	9.	Gradually make provisions to impart specialized medical education free of charge to the citizens with mandatory service obligation
	10.	Initiate Midwifery Education to create professional midwives cadres in country

Procurement and Supply chain Management

The output envisions reforming procurement and logistics systems responsible for forecasting, tendering, contracting, and supply chain processes. Establishment of a procurement centre staffed with procurement experts will be initiated, including further capacity enhancement in supply chain management and implementation of innovative approaches to improve supply chain management.

Output	Key Interventions
Output 1c.1: Improved procurement system	Build capacities in procurement and quality assurance at central and decentralised levels
	Implement Consolidated Annual Procurement Plan.
	3. Widen the scope of Multi-year contracts in health products and services.
	4. Pilot central bidding and local ordering approach and scale-up as appropriate
	5. Lay foundations for the establishment of procurement centre
Output 1c.2: Improved supply chain management	 Develop capacity in operational planning and logistics management systems in order to develop a cost effective and timely distribution system.
	Expand warehouse capacities, including upgrading of storage facilities at regional and district levels.
	3. Explore innovative approaches (e.g. PPP) and technologies to improve supply chain management between the district store and health facilities for supply management at the district level.
	Improve management to prevent expiry of drugs and handling of expired drugs and non-functional equipment
	5. Improve supply chain of Ayurvedic drugs/medicines

Outcome 2: Improved quality of care at point of delivery

The emphasis of this outcome is renewed focus on improving quality of care at point-of-delivery by establishing minimum standards of care for primary, secondary, tertiary levels institutions with commensurate referral mechanisms. The ministry will develop and enforce regulations to accredit health institutions and establish quality assurance mechanisms for allopathic and Ayurvedic medicines, supplies, lab services and medical equipment.

Outputs for the achievement of outcome 2

Output	Key	/ Interventions
Output 2.1: Quality health	1.	Assess eight dimensions of quality at the point of service delivery
services delivered as per protocols/ guidelines	2.	Revise existing and develop new treatment guidelines/protocols and standards for each level of the health system in line with the defined service packages
	3.	Standardize pre and in-service training for health workers
	4.	Develop capacity for hospital management
	5.	Strengthen supervision and mentoring to build capacity of health workers in quality of care procedures
Output 2.2: Quality assurance system strengthened	1.	Develop comprehensive regulatory framework and independent body for quality assurance and accreditation
	2.	Update quality assurance policy for health sector and strengthen existing quality assurance mechanisms within MoHP
	3.	Develop quality control mechanism for equipment
	4.	Strengthen capacity of National Laboratory in regulation and quality assurance, as an international reference laboratory.
	5.	Strengthen National Drug Regulatory Authority capacity in regulation and quality assurance covering all pharmaceutical supplies.
	6.	Develop anti-microbial drug resistance action plan, including expanding laboratory capacity
	7.	Review and implement regulatory system for combatting antimicrobial resistance
	8.	Review and implement price adjustment of essential drugs and ensure transparency
	9.	Review and enhance regulatory capacity for rational use of drugs, including over-the-counter sales. Collaborate with Ministry of Agriculture to regulate the use of antibiotics in animals
	10.	Establish quality assurance mechanism for Ayurvedic medicine production and supply.
Output 2.3: Improved infection prevention	1.	Review and enforce standards for infection prevention and health care waste management
and healthcare waste management practices	2.	Promote state non-state partnership models for waste management

Outcome 3: Equitable distribution and utilization of health services

MoHP will sustain and improve upon the progress on reducing inequities in health outcomes. In the next five years, it will continue to expand client-centred care that are best delivered when services are closer to communities. This will be achieved through expansion of health services – primary to tertiary – by strengthening decentralized network of public health facilities, particularly focusing on under-served, poor and urban communities.

Outputs for the achievement of outcome 3

Output	Key Interventions			
Output 3.1: Improved access to health services,	Update basic healthcare package by including emerging health care need like psychosocial counselling, mental health, geriatric health, oral health, standard NCD package, Ayurveda and rehabilitative services			
especially for	2. Develop a legal framework for the Basic (free) Health Service package.			
unreached populations	 Expand basic health service packages in different level of health facilities based on population and geography 			
	Assess and improve implementation of free care programme			
	5. Expand community health services through mobilization of extended health workers			
	6. Implement Extended Health Services in public hospitals			
	 Improve capacity of district hospitals to deliver specialized services in partnership with public and private academic institutions 			
	8. Expand health services leveraging modern information communication technology			
	9. Scale up laboratory services at all levels			
	10. Expand Blood Transfusion Services			
Output 3.2:	Establish functional network for basic health services in urban areas			
Health service	Designate satellite clinics for referral level hospitals			
networks, including	Revise/update referral guidelines ensuring that:			
referral system, strengthened	Referral mechanisms are incentivized			
Strengthened	 Referring institutions are made responsible for cases in transit 			
	 Fast-track service delivery for referred cases is established 			
	 Establish an effective referral system among primary, secondary and tertiary level care providers in urban and rural areas with special plan for remote areas. 			
	 Develop and launch National Ambulance Service, including networking and standardization of emergency response services 			

Outcome 4: Strengthened Decentralized Planning and Budgeting

During the NHSS period, there will be a renewed focus on decentralised approach to health sector planning and budgeting that is more accountable to the public and responsive to their needs. Districts will be responsible for participatory planning, budgeting and implementing their respective health plans, while the centre will define national priorities, establish the necessary regulatory framework, monitor progress and provide necessary technical and financial resources.

Output	Ke	y Interventions
Output 4.1: Strategic	1.	Strengthen harmonised annual planning, budgeting and review process
planning and institutional capacity strengthened at	2.	Enhance the capacity on Planning, Monitoring and Evaluation functions of the MoHP including its sub-ordinate authorities
all levels	3.	Provide result-based block grants through DDF and MDF in line with Collaborative Framework
	4.	Provide technical support to decentralised planning units to ensure evidence based planning.
	5.	Standardize the system of hospital and other institutional block grant in line with the proposed plan
	6.	Enhance the capacity of local bodies and regional structures to better reflect the health sector priorities in periodic plans and subsequent annual plans.
	7.	Expand e-AWPB practices up to the district level

Outcome 5: Improved Sector Management and Governance

In order to effectively implement the aspirations of National Health Policy 2014 and emerging local and global health trends, MoHP will start restructuring its organizational setup during the NHSS period. The restructuring process of the health sector will be aligned with the broader state-restructuring agenda vis-à-vis federalism. MoHP also recognizes that the April earthquake has provided further impetus to reorganize the health sector.

NHSS recognizes aid effectiveness as important facet of health governance. MoHP aspires to further improve health aid effectiveness by espousing the principles and priorities of Nepal's Development Cooperation Policy 2014. In particular, this translates to further strengthening SWAp arrangements by advocating and creating conducive environment to maximize the flow of external financial support through government's systems and better aligning technical assistance to the government's priorities. For this the ministry is committed to enhance value for money in the health sector by strengthening current practices on financial planning, auditing and transparency measures with particular emphasis on reducing financial irregularity and improved accountability.

Output	Key Interventions			
Output 5.1: Ministry of Health and	1.	Complete an organizational review process, develop a restructuring plan, and initiate phase-wise implementation		
Population structure	2.	Develop a comprehensive capacity development plan for MoHP		
is responsive to health sector needs	3.	Formulate Public Health Act and revise Council Acts and Regulations		
Output 5.2: Improved governance and	1.	Develop and adopt a state non-state partnership policy that includes both for-profit and not-for-profit organisations working in the health sector		
accountability	2.	Enhance capacity in PPP in the areas such as, infrastructure, human resources and service delivery functions, and production of medicinal herbs		
	3.	Promote the domestic production of medicinal products		
	4.	Effectively implement right to information act		
	5.	Improve transparency of major decisions of public concern		
	6.	Promote social audit and other local accountability instruments		
	7.	Strengthen the mechanisms for effectively handling grievance and timely response		
Output 5.3: Development cooperation and aid effectiveness improved	1.	Promote and implement Development Cooperation Policy (2014)		
	2.	Establish an effective and transparent database of development assistance to the health sector, including off-budget funding		
	3.	Establish regular meetings of NHSS coordination committee and an annual policy dialogue		
	4.	Establish periodic review mechanism for INGOs involved in health sector, jointly with MSWCW		
Output 5.4: Multi-	1.	Review exiting health related multi-sectoral mechanisms and strengthen them		
sectoral coordination mechanisms strengthened	2.	Build capacity of key MoHP departments on multi-sectoral actions linked to public health priorities		
	3.	Ensure technical assistance addresses multi-sectoral issues with relevant competencies		

Output 5.5: Improved public financial	1.	Establish a mechanism to gradually capture revenue and expenditure data from hospitals and health institutions
management	2.	Improve predictability of health sector budget, including EDP funding
	3.	Institutionalise on-budget and off-budget reporting mechanism
	4.	Improve budget allocation and expenditure practices
	5.	Strengthen implementation of internal control procedures
	6.	Assess accounting, reporting, monitoring and audit arrangements in autonomous hospitals
	7.	Improve financial reporting (timing and content) and audit process including response to irregularities
	8.	Effectively implement TABUCS and align with LMBIS
	9.	Develop unified budget norms and Standard Operating Procedures

Outcome 6: Improved Sustainability of Healthcare Financing

NHSS focuses on increasing investments in the health sector, improving mobilization of existing resources and better pooling of resources and risks. Soon to be developed Health Sector Financing Strategy will guide MoHP and development partners towards these efforts.

Outputs for the achievement of outcome 6

Output	Key Interventions
Output 6.1: Health financing system	Establish a medium term financing framework for the health sector by developing a health financing strategy
strengthened	2. Review health sector expenditure through National Health Accounts
	Institutionalize and annually produce National Health Accounts to monitor health expenditure
	Estimate resource need for delivering service packages, including those to be provided free of charge at the point of delivery
	Develop and introduce resource allocation formula for budgetary allocation to districts and hospitals
	Expand performance-based resource allocation practices particularly for autonomous hospitals and non-governmental service providers
Output 6.2: Social health protection	Establish a legal framework to govern and strengthen institutional arrangement for social health protection schemes
mechanisms strengthened	Develop and implement a plan for harmonisation and integration of different social health protection schemes
	Initiate implementation of social health security programme (health insurance)

Outcome 7: Improved Healthy Lifestyles and Environment

Health is influenced by many factors beyond health care services: lifestyle and behaviours as well as the social determinants such as education, income, employment, housing, social security, macroeconomic situation and environmental factors. The importance of creating a healthy environment and healthy lifestyle is central for improvement of overall health status.

Ministry of Health and Population is committed to achieve this outcome through multi-sectoral collaboration with other line ministries. Innovative approaches will be strengthened for behaviour-change that target specific behaviours (i.e. smoking, alcohol consumption, health seeking behaviour) and conditions (e.g. obesity) for addressing increasing trends in non-communicable diseases, mental and sexual health problems. Where appropriate, locally appropriate and innovative approaches for BCC and IEC will be designed and implemented.

Outputs for the achievement of outcome 7

Output	Key	Interventions
Output 7.1 Healthy behaviours and practices promoted	1.	In collaboration with Ministry of Education, review/revise current approaches for School Health Programme emphasising health promotion, nutrition, sports, resilience from substance-use and sexual health
	2.	Expand psychosocial, psychiatric and curative care for gender based and sexual violence
	3.	Promote healthy lifestyles through health facilities and community health workers as an integral part of health system
	4.	Leverage community groups such as mothers groups and forestry user groups for promoting healthy lifestyles and behaviours
	5.	Develop and implement urban health interventions in collaboration with municipalities
	6.	Enhance capacity in environmental and occupational health impact monitoring and surveillance in MoHP
	7.	Implement surveillance of road traffic accidents
	8.	Collaborate with other sectors to enforce standards for air, water and food quality
	9.	Generate evidences on impact of climate change on human health
	10.	Monitor changes in vector and disease pattern
	11.	Expand water quality surveillance
	12.	Gradually recruit and deploy community health inspectors

Outcome 8: Strengthened Management of Public Health Emergencies

Importance of preparedness for and effective management of public health emergencies is heightened in the aftermath of earthquake of April 2015. Drawing upon the lessons of the quake, the ministry will revise protocols and guidelines for improved health sector emergency response at the central and decentralised levels. Institutional and human capacity will be enhanced at regional levels with pre-positioned buffer stock of medicines and supplies for effective and timely response.

Outputs for the achievement of outcome 8

Output	Key	y Interventions
Output 8.1 Public health	1.	Revise national level protocols and operational guidelines for emergency situations with clear roles and responsibilities
emergencies and disaster	2.	Develop district level protocols and operational guidelines for emergency operations (health clusters, Rapid Response Teams; intra- and inter sectoral coordination and mechanisms)
preparedness improved	3.	Preposition buffer stocks of supplies and medicines at strategic locations at national and sub-national levels for outbreaks
	4.	Finalise and implement integrated disease surveillance system
	5.	Establish trauma management capacity in hospitals near highways and in major urban centres
	6.	Establish emergency response funds at national, regional and district levels
	7.	Establish regional level health emergency management centres
	8.	Develop human resources mobilization plan during emergencies
Output 8.2: Strengthened	1.	Capacitate Rapid Response Teams (RRTs), at all levels, to respond to public health emergencies
response to public health	2.	Develop Mass Casualty Management plan for all hospitals above 50 beds and test those plans periodically
emergencies	3.	Mobilize and manage trained human resources during emergencies with financial and non-financial incentives
	4.	Implement disease surveillance and response mechanism

Outcome 9: Improved availability and use of evidence in decision-making processes at all levels

Information generated from various sources such as routine information systems, population and institution based surveys, surveillance, and research studies are important to better inform policy and planning process. Access to available information will be increased through the use of ICT technologies. All the routine information systems will be functional and interoperable with the data being housed at a central data warehouse. Further, health sector reviews at the national and subnational levels will be better integrated and research will be prioritised to draw innovations that support improved accessibility to quality healthcare.

Output	Intervention Priorities
Output 9.1:	Revise and implement the Health Information Strategy
Integrated	Develop and implement e-health strategy
information management	3. Roll out unified codes to ensure interoperability of different information systems
approach practiced	 Create central data repository to house data generated from routine information systems and national surveys
	 Build institutional capacity on generation, processing, analysis and use of information at all levels
	6. Create a common platform among MoHP, councils, other line ministries and non-state sectors on generation, availability and use of information
	7. Establish a data quality assurance mechanism for all sources of information
	8. Initiate electronic recording and reporting system at health facilities

Output	Inte	rvention Priorities
Output 9.2: Survey, research and	1.	Develop national priority areas for health research, implement them and feed to planning, monitoring and evaluation
studies conducted in priority areas	2.	Develop health sector survey plan; implement; feed to the planning, monitoring and evaluation
	3.	Conduct impact evaluation of priority programmes for continuation, replication, modification and scale up.
	4.	Regularly produce standardized policy briefs to inform decision makers
	5.	Assess cost effectiveness and efficiency of major public health interventions
	6.	Strengthen institutional capacity of National Health Research Council and M $\&$ E wings of MoHP at different levels
Output 9.3: Improved health	1.	Strengthen monitoring function of the MoHP to monitor output, outcome and goal level indicators
sector reviews with functional linkage to	2.	Enhance capacity of divisions and centres for monitoring programme implementation process
planning process	3.	Revise the existing review processes to make more evidence based, effective participatory, analytical and build linkage with planning
	4.	Align annual national review and joint annual reviews

6 Moving towards Universal Health Coverage

As the government moves to progressively realize UHC, it remains committed to expand health services, increase the population coverage and reduce financial burdens for the citizens. The ministry, during NHSS period, will provide free Basic Health Services (BHS) and other services beyond the BHS package will be provided at an affordable cost through social health protection arrangements, including targeted subsidies.

6.1 Basic Health Services

Basic Health Services (BHS) is a comprehensive set of preventive, promotive, curative, rehabilitative, Ayurvedic and allied health services provided within the boundary of available resources that satisfy the healthcare needs of the population. Access to these services is considered a fundamental right guaranteed by the constitution; thus, the Government of Nepal is committed to delivering these services free of cost to every citizen primarily through public health networks and, where appropriate, in partnership with non-state providers. Increased utilization and coverage of basic health services will ultimately reduce the burden of diseases and lessen the demand for curative health services through strengthened promotive and preventive services.

The delivery of Basic Health Services is carried out within the parameters of government's free drug list. However, the basic health services – including free drugs list – is not static and its scope will expand depending upon national fiscal space available for health. Recognizing that these set of basic health services are dynamic and may change in the future, this strategy has defined them by stratified level of care in Annex I. Necessary acts and regulations to realize the citizen's right to basic health services will be formulated during the NHSS period.

6.2 Social Health Protection Arrangements

For services that are beyond the package of basic health services, the government will ensure their equitable access in an affordable cost through other social health protection arrangements. National Social Health Security Programme (health insurance) will also be gradually rolled out nationwide with subsidised premiums for the poor. The government, during the NHSS period, will progressively consolidate all social health protection arrangements under a broader framework.

6.3 Health Service Delivery Tier

Public sector health facilities will continue to deliver and expand wide range of services from preventive to super-specialty services through the extensive network of providers across the country. In response to the growing demand for Ayurveda and other allied health services, the government will also expand these services to communities across Nepal.

To ensure more effective and efficient service delivery, the government will gradually start delivering allopathic, Ayurvedic and other allied health services through one-door service outlets. Hospitals will be required to operate their own pharmacies.

The government will also form strategic partnerships with non-state health actors, from pharmacies to tertiary hospitals, to deliver Basic Health Services and other health services beyond the BHS package.

Basic health services will be delivered through the extensive network of service outlets with referrals from communities and lower level health facilities to appropriate service delivery centres. Outreach services will be strategically expanded to underserved or hard-to-reach communities. Lower level health facilities, including health post, sub-district hospital and district hospitals, will be strengthened to meet public's expectations of quality health services and to better perform gate-keeping function.

The following service delivery tiers are realized based on the needs of the catchment population and/or geographic accessibility and will be gradually expanded during NHSS period. In keeping with the thrust to promote local health governance, the management of these service delivery tiers will be decentralized in accordance to the current local governance framework and emerging agenda of state restructuring. Current health posts and Primary Health Care Centres that are located within municipalities will be gradually handed-over to the respective municipal authorities.

Community Health Unit: These health units will be established at the community level to deliver basic health services, especially for hard-to-reach population with referral linkages to higher-level facilities. The community will manage these units under the broader local governance framework and will be accountable to the higher-level facility within the VDC. There will be a maximum of three community health units per VDC based on the geographic accessibility and population settlement. These units will provide services through extended health workers in coordination with FCHVs. There is also opportunity for these units to collaborate with other community-based groups and institutions (e.g. Mothers groups, Ward Citizen Forums, and youth clubs) for better health outcomes.

The community health unit will cater the following services:

- promotive and preventive health services
- Primary Health Care/Out Reach Clinics (PHC/ORC)
- timely referral to the health facilities
- client follow-up and counselling services
- outbreak vigilance and reporting
- dispensary services

Health Post: Health posts provide health services to the population at the VDC level and will generally serve a catchment population of approximately 10,000 people. Health posts will also be required to supervise the management of community health units.

Primary Health Care Centre/Urban Health Centre: The Primary Health Care Centre and Urban Health Centre provide the same level of services. The former is established in rural areas whereas the latter is gradually established in every ward of municipalities, sub-metropolis and metropolis areas. It is the responsibility of respective municipalities to manage the urban health centres. These centres can be operated as hospitals in partnerships with non-profit organizations to serve the needs of respective communities.

Sub-district hospital/Municipal Hospital: Sub-district hospitals will be established at strategic locations considering the geographic accessibility with high population density and potential client flow. As stipulated in Urban Health Policy 2014, every municipality will have a hospital. These hospitals also serve as sub-district hospitals. When situated in urban areas, they will operate under the jurisdiction of municipalities otherwise they will be under MOHP' jurisdiction.

In establishing these hospitals, either the existing facilities are upgraded or new ones setup. These hospitals can either be government owned or managed by NGO or communities under the state non-state partnership arrangements. The size of these hospitals (number of beds) will depend upon the catchment population they serve; nevertheless, these facilities generally cater to approximately 50,000 people.

District Hospital: In keeping with the NHP-2014 directive to have at least one 50-bedded hospital in every district. These hospitals can either be government owned or managed by NGO or communities under the state non-state partnership arrangements. They will serve a catchment population of 100,000 and deliver services in addition to the basic health services, including general surgery and specialized care particularly on maternal and child health.

Specialized hospital: Specialized hospitals provide health services in specialized medical disciplines. Existing zonal, regional, sub-regional, central level hospitals and medical college teaching hospitals fall under this category.

7 Financial Management

This strategy aims to identify and mobilize financial resources from different sources to ensure universal coverage of quality health services. The Government of Nepal will progressively seek to fund the implementation of this strategy from its own internal resources. Specifically, over the next five years, the government will aspire to fund the provision of Basic Health Services entirely from government revenues. Nevertheless, as guided by the Development Cooperation Policy (2014), resources from external development partners will also be mobilized to narrow the resource gap.

8 Implementing NHSS and Measuring Sector Performance

Under the auspices of Sector Wide Approach (SWAp), the overall responsibility of implementing NHSS lies with MoHP with both the government and EDPs being jointly accountable to achieve the results. Similarly, under the leadership of MoHP, the sector performance during NHSS period will be measured jointly. MoHP will also collaborate with the civil society, I/NGOs, private sector, academia, and government line ministries to implement NHSS and measure its performance.

Health Sector Partnership Forum will be established to review the progress on NHSS implementation. This forum will meet quarterly under the chairpersonship of the Secretary of Health and Population.

Depending upon the framework of the forthcoming federal form of governance, this strategy may need to be reviewed and revised.

Measuring Sector Performance

MoHP and its development partners will utilize the following instruments to measure the sector performance during NHSS

- Results Framework of NHSS
- Mid-Term Review (MTR) of NHSS
- Regular Performance Reviews

Results Framework

The NHSS Results Framework monitors the sector performance on an annual basis. The Framework sets out a range of key indicators at Goal, Outcome and Output levels of NHSS. Indicators are chosen to monitor progress against 39 indicators at the goal and outcome level and 56 at the output level. The compendium of indicators provides detailed information on issues such as levels of disaggregation, periodicity, means of verification, assumptions, reliability etc. for each indicator. The Results Framework will utilize information and data from routine health information systems and period national surveys.

NHSS Results Framework (RF), with indicator matrix specifying baseline, milestone, target, data source, disaggregation, periodicity and responsible agency for each indicator, is presented in Annex 2.

Furthermore, MoHP will develop programme level monitoring framework for effective monitoring of the programmes and activities in line with the NHSS Implementation Plan (NHSS-IP).

Mid-Term Review (MTR)

MoHP, with the support of its development partners, will commission a Mid-Term Review (MTR) of NHSS in 2018. The review will be carried out by a team of independent external experts. The overall aim of the MTR will be to assess the progress made in achieving the outcomes and results of NHSS. It will also review the sector management approach, including health aid effectiveness. The recommendations emanating from the MTR will guide the MoHP and its development partners to make necessary programmatic and system-related interventions to achieve NHSS results in the remaining period.

Regular Performance Reviews

The existing performance reviews, at both national and sub-national levels, will also contribute in monitoring the sector performance under NHSS. During this period, MoHP will streamline these reviews and improve their alignment with the NHSS priorities.

Sector Performance Review

The NHSS Implementation Plan (IP) and subsequent Annual Work Plan and Budget (AWPB) will translate the strategy into action. The NHSS-IP is output-based plan and will enable resources to be linked to achievements. It provides a comprehensive set of activities needed to achieve each output and outcome and ultimately the goal of the NHSS. The activities outlined in the IP will be used to produce the detailed Annual Work Plan and Budget (AWPB).

Annex-1 Elements of Basic Health Service Package

	Basic Services (Free of Cost)	СНО	웊	PHC or UHC	< 50 bed hospital (district, sub-district hospital)	> 50 bed hospital
-	BCG, Oral Polio, Injectable Polio, pneumococcal, DPT-HiBHb (Pentavalent), Measles Rubella, Japanese Encephalitis	7	>	>	7	7
2.	Preventive, promotive, community mobilization, health education and peer education	7	>	7	7	7
3.	Out Patient services (services though Free Drug list and laboratory services)	ces)				
	Children and neonates-Management of pneumonia, malaria, diarrhoea, measles, malnutrition, ear infection, neonatal infection		>	7	7	7
	Adolescent, Adult and Elder- Management of pneumonia, malaria, diarrhoeal diseases		>	7	7	7
	STI Syndromic Treatment		>	7	7	>
	Treatment for UTI		>	7	7	7
	Treatment of RTI		>	7	7	7
	Treatment of simple Fungal infection		>	7	7	>
	Treatment of Enteric Fever			7	7	7
	Treatment of Epilepsy			7	7	>
	HIV treatment (ART First line)*			7	7	>
	HIV OI treatment*		>	7	7	7
	TB treatment (CAT I, CAT II)*		>	7	7	>
	Treatment of leprosy *		>	7	7	7
	Treatment of Non Complicated Malaria treatment (PF,PV)*		>	7	7	>
	Treatment of Non Complicated LF*		>	7	7	>
	KA Treatment *			>	>	>

	Basic Services (Free of Cost)	СНО	H	PHC or UHC	< 50 bed hospital (district, sub-district hospital)	> 50 bed hospital
	Deworming	^	>	>	7	7
	Upper respiratory tract infection (eg tonsillitis, pharyngitis and rhinitis)			7	7	7
	Treatment of Schizophrenia, bi-polar disorders				7	7
	Treatment for depression and anxiety			7	7	7
	Physiotherapy		7	7	7	7
	Ring pessaryinsertion		7	7	7	7
	Panchakrma, Yoga (Ayurvedic Services)			7	7	
	One stop crisis management services (selected hospitals), including clinical management of rape and GBV				7	7
4	In-Patient services (services though consultation, Free Drug list and laboratory services)	oratory serv	(ces)			
	Children and neonates-severe pneumonia, severe malaria, severe under-nutrition, complications due to measles, severe neonatal sepsis, birth asphyxia, hypothermia, jaundice, LBW/prematurity, feeding problem, exchange transfusion (excluding ventilator support)				7	7
	STI Syndromic Treatment				7	7
	Treatment for UTI				7	7
	Treatment of Epilepsy				7	7
	Treatment of Schizophrenia, bi-polar disorders				7	7
	Treatment for depression and anxiety				7	7
	Physiotherapy services				7	7
	HIV treatment (ART First line)*				7	7
	HIV OI treatment*				7	7
	TB treatment (CAT I, CAT II)*				7	>

	Basic Services (Free of Cost)	СНО	롸	PHC or UHC	< 50 bed hospital (district, sub-district hospital)	> 50 bed hospital
	Treatment of leprosy*				7	7
	Treatment of Non Complicated Malaria treatment (PF,PV)*				7	7
	Treatment of Non Complicated LF*				7	7
	KA Treatment *				7	7
	One stop crisis management services (selected hospitals)*				7	7
5.	Minor Procedures					
	Minor cut and simple wound dressing		7	7	7	7
	Simple cut Suturing			7	7	7
	Simple abscess drainage			7	7	7
	Simple fracture reduction and PoP			7	7	7
	Foreign body removal (non-complicated)			7	7	7
	Acute exacerbation of COPD and asthma emergency management			٨	7	7
6.	Screening and Counselling					
	Screening for visual and hearing impairment		7	7	7	7
	Screening for hypertension and Diabetes (Clinical)		>	7	7	7
	Growth monitoring and BMI screening		^	٨	7	>
	Screening for pelvic organ prolapse, obstetric fistula, cervical cancer (VIA)		7	>	7	7
	Counselling services (FP, Safe Motherhood, Neonatal, Child health, HIV, PMTCT, Nutrition, NCD, ASRH, Mental health, substance abuse, oral health, Ear, Nose, Throat hygiene and sanitation, legal and GBV counselling)		7	7	7	7

	Basic Services (Free of Cost)	СНО	HP	PHC or UHC	< 50 bed hospital (district, sub-district hospital)	> 50 bed hospital
	Other Services					
7.	Micro-nutrients supplementation (iron, folic acid, Vitamin A, iodine, zinc)	>	^	^	7	7
ω.	Antenatal Check-up		>	>	7	7
9.	Normal Delivery		>	>	7	7
10.	Management of complicated deliveries except c-section			>	7	7
7.	Management of complicated deliveries including Caesarean section and blood transfusion				7	7
12.	Post natal care (newborn/mother)		>	7	7	7
13.	Complication during post-natal period (obstetrics)		>	7	7	7
41	Post Abortion Care			7	7	7
15.	Postpartum-IUCD Services[1]			>	7	7
16.	Family planning- OCP, Depo, Condoms, emergency contraception		>	7	7	7
17.	Family planning-Vasectomy, Minilap				7	7
18.	Post exposure treatment with anti-rabies vaccine				7	7
19.	Post exposure treatment with anti-snake venom				7	7
20.	Counselling services (FP, Safe Motherhood, Neonatal, Child health, HIV, PMTCT, Nutrition, NCD, ASRH, Mental health, substance abuse, oral health, Ear, Nose, Throat hygiene and sanitation, legal and GBV counselling)		٨	7	7	7
21.	Deworming		^	7	7	7

	Basic Services (Free of Cost)	СНО	チ	PHC or UHC	< 50 bed hospital (district, sub-district hospital)	> 50 bed hospital
	Laboratory services (free of cost)		<u></u>	PHC/UHC	< 50 bed Hospital	Satellite
22.	Haematology: TC, DC, ESR, Hb, blood group		7	7	~	7
23.	Biochemistry: Sugar and Urea		7	7	~	>
24.	Biochemistry: Bilirubin			7	7	7
25.	Microbiology: Gm stain, KoH mount			7	7	7
26.	Miscellaneous: stool and urine R/E		~	7	~	7
27.	Microbiology: Sputum AFB stain		>	7	7	7
28.	Miscellaneous: Occult blood, ketone bodies for urine			7	~	7
29.	Serological Test: HBsAg, HCV, RPR, Widal		>	7	~	7
30.	Rapid Diagnostic Test : Malaria, HIV I & II, pregnancy, K39 for KA		7	7	~	7
31.	Urine dip-stick test(albumin and sugar)		7	7	~	7

[1] Only in HF with birthing center

Drugs will be available from relevant health facilities according to the Free Drugs Programme. Ayurvedic medicines are available free-of-charge from Ausadhalaya.

Annex-2 Results Framework

	Goal				mətə	λ ελε	nəvile	эр ц	грез	table	iupə	pue :	table	unoo	др чс	วเเอทธิ	tt əlq	beo	of all	stus	ts dtl	рез	рәло.	ıdwı			
	Outcome			Rebuilt and strengthened health systems: HRH	management, Infrastructure, Procurement and Supply	chain management				Improved quality of care at point-of-delivery		accivace care Allord to acitarility aldelina	Equidade utilization of realth care services	Strengthened decentralized planning and budgeting			Improved sector management and governance			soinand association by whilehoring boundaring	Improved sustainability of frequent sector infamoring	Improved healthy lifestyles and environment	Office of the second se	Suenginered management of public nealin emergencies		Improved availability and use of evidence in decision- making processes at all levels	
	Code		1	T.	000		T			000		200	3	0C4			002	ı		300	3	OC7	°	3		600	
Results Chain	Output	Improved staff availability at all levels with focus on rural retention and enrollment	Improved human resource education and competencies	Health infrastructure developed as per plan and standards	Damaged health facilities are rebuilt	Improved management of health infrastructure	Improved procurement system	Improved supply chain management	Health services delivered as per standards and protocols	Quality assurance system strengthened	Improved infection prevention and health care waste management	Improved access to health services, especially for unreached population	Health service networks including referral system strengthened	Strategic planning and institutional capacity enhanced at all levels	Ministry of Health and Population (MoHP) structure is responsive to health sector needs	Improved governance of private sector	Development cooperation and aid effectiveness in the health sector improved	Multi-sectoral coordination mechanisms strengthened	Improved public financial management within MoHP	Health financing system strengthened	Social health protection mechanisms strengthened	Healthy behaviors and practices promoted	Improved preparedness for public health emergencies	Strengthened response to public health emergencies	Integrated information management approach practiced	Survey, research and studies conducted in priority areas; and results used	Improved health sector reviews with functional linkage to planning process
	Code	OP1a1	OP1a2	OP1b1	OP1b2	OP1b3	OP1c1	OP1c2	0P2.1	OP2.2	OP2.3	OP3.1	OP3.2	0P4.1	OP5.1	OP5.2	OP5.3	OP5.4	OP5.5	OP6.1	OP6.2	0P7.1	OP8.1	OP8.2	OP9.1	OP9.2	OP9.3

	000000000000000000000000000000000000000	Remarks																											
	Responsible	agency	МоНР					MOM									MOM								MOH	2			
	Monitoring	frequency	5 years				c	3 years								c	3 years								3,0976	o yagis			
	Data	sonrce	SHQN				NDHS	NMICS								NDHS	NMICS								NDHS	NMICS			
٤	Milestone/Target	2020	125				ć	87								1	c: / L									-;			
ry syster	Milestor	2017	148				č	ک 4								3	1.7								00	7:7			
alth delive		Source	UN estimates					NMICS									NMICS								OCIMIN				
quitable hea	Baseline	Year	2013				2.00	70.14								300	70.14								2017	t 107			
ble and e		Data	190	38	54	56	28	99	41	32	34	29	23	29	18	7	32	22	21	11	13	2.3	3.1	2.1	1.0	2.9	2.2	2.3	0.7
ccounta	NDHS	2011	na	54	75	36	39	87	58	62	29	na	33	37	19	18	46	33	35	13	na	2.6	4.1	1.5	2.6	3.4	2.6	2.5	6.0
ough a	NDHS	2006	281	61	86	47	21	128	62	85	99	na	33	43	26	17	29	28	42	31	na	3.1	4.7	1.9	2.8	4.1	က	3.1	1.1
pple thr	NDHS	2001	na	91	na	na	na	157.4	94	112.8	64	na	39	na	na	na	92	42	20	23	na	4.1	na	na	na	4.8	4	4.1	-
all pec	NFHS	1996	539	118	na	na	na	208	127	139	81	na	20	na	na	na	11	51	63	20	na	4.6	na	na	na	9.5	4.5	4.6	_
Goal: Improved health status of all people through accountable and equitable health delivery system	100	IIIaicatol	Maternal mortality ratio (per 100,000 live births)	Under five mortality rate (per 1,000 live births)	Lowest quintile	Highest quintile	Equity gap	Mountain	Hills	Terai	Equity gap	Earthquake affected 14 districts	Neonatal mortality rate (per 1,000 live births)	Lowest quintile	Highest quintile	Equity gap	Mountain	HIIIS	Terai	Equity gap	Earthquake affected 14 districts	rate	Lowest quintile	Highest quintile	Equity gap	Mountain	Hills	Terai	Equity gap
: Improved			Maternal mortality r 100,000 live births)	Under five morta 1,000 live births)	147.	wealth	-		Eco-	region		Earthquak	Neonatal m 1,000 live bi	3	Wealth			Eco-	region		Earthquak	Total fertility rate	147.	wealth	-		Eco-	region	
Goal	000	Code	61	G2									63									64							

	Domorko	Remarks																									
	Responsible	agency				-				MoHP												MoHP					MopptM
	Monitoring	frequency								3 years	•											3 years					3 years
	Data	sonrce								NDHS											OHOIN	NMICS					Mopptm
E	Milestone/Target	2020								31												12					17
ry systen	Milestor	2017								34												13					23
alth delive		Source								NMICS												NDHS					Mopptm
ble and equitable health delivery system	Baseline	Year								2014												2011					2013
able and e		Data	37.4	54.7	15.2	39.5	46.4	38.3	35.4	11.0	35.3	42.7	47.9	13.5	32.4	39.7	34.4	28.4	18.2	21.5	11.9	9.6	16.5	12.4	22.7	10.3	34
ccounta	SHQN		40.5	99	25.8	30.2	52.9	42.1	37.4	15.5	36.9	45.5	47.3	33.3	41.2	32.4	32.4	na	18.2	21.5	11.9	9.6	16.5	12.4	22.7	10.3	na
ongh a	NDHS	2006	49.3	61.6	30.9	30.7	62.3	50.3	46.3	16	47.3	52.5	56.4	29.9	48.2	57.0	27.1	na	24	25.1	12.7	12.4	17.1	15.9	32.7	16.8	na
ople thi	NDHS	2001	50.5	na	na	na	61.2	52.7	47.1	14	na	na	na	na	na	na	na	na	26.7	na	na	na	19.2	16.6	35.6	19.0	na
all ped	NFHS	1996	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Goal: Improved health status of all people through accounta	roteoiloal	IIIdicatol	% of children under age 5 years who are stunted (-2SD)	Lowest quintile	Highest quintile	Equity gap	Mountain	HIIIS	Terai	Equity gap	Brahman/Chhetri	Other Terai Madhesi	Dalit	Newar	Janajati	Muslim	Equity gap	Earthquake affected 14 districts	% of women aged 15-49 years with body mass index (BMI) less than 18.5	Lowest quintile	Highest quintile	Equity gap	Mountain	SIIH	Terai	Equity gap	Life lost due to road traffic accidents (RTA) per 100,000 population
: Improve			% of childre who are stu		Wealth			Eco-	region					Ethnicity				Earthquak	% of wome with body n than 18.5		Wealth)		Eco	region		Life lost du accidents (I population
Goal	900	9000 0000	G5			_													99								G7

Goal	Goal: Improved health status of all people through accountable and equitable health delivery system	all pe	ople thr	ough a	ccount	able and e	quitable he	alth delive	ery system	_					
000	1000	NFHS	NDHS	NDHS	NDHS		Baseline		Mileston	Milestone/Target	Data	Monitoring	Responsible	2	
D 000		1996		2006		Data	Year	Source	2017	2020	sonice	frequency	agency	עפווופוואס	
89	Suicide rate per 100,000 population	na	na	na	na	16.5	2014	Nepal	15	14.5	Nepal	3 years	MoHA		
	Earthquake affected 14 districts	na	na	na	na	na		D D D			5				
6 9	Disability adjusted life years (DALY) lost: Communicable, maternal, neonatal & nutritional disorders; non-communicable diseases; and injuries	na	па	па	па	8,319,695	2013	BoD,	7,487,726 6,738,953	6,738,953	IHME	7. 2000 R	QH W		
	Communicable, maternal, neonatal & nutritional disorders	na	na	na	па	3,081,654	2013	HWE	2,773,489 2,496,140	2,496,140	estimates	200	= - - -		
	Non-communicable diseases	na	na	na	na	4,386,745	2013		3,948,071 3,553,263	3,553,263					
	Injuries	na	na	na	na	851,296	2013		766,166	689,550					
G10	Incidence of impoverishment due to OOP expenditure in health	na	na	na	na	na	2011	NLSS	Reduce by 20%	by 20%	NLSS	5 years		To further analyze NLSS 2011 data for base line	

Outcon	ne 1: Rebuilt	Outcome 1: Rebuilt and strengthened health systems: Infrastructure, HRH management, Procurement and Supply chain management	tructur	e, HRH m	anagement,	Procuren	nent and	Supply cha	in managem	ent	
				Baseline	40	Milestone/Target	-/Target	c tac	Monitoring	Recoonsible	
Code		Indicator -	Data	Year	Source	2017	2020	sonrce	frequency	agency	Remarks
0C1.1	% of health fac	% of health facilities meeting MoHP infrastructure standard									
		Public hospital	32	2013/14	SIIH	09	06				
	<u> </u>	Primary Health Care Center (PHCC)	91	2013/14	SIIH	92	100	SI	3 vears	MoHP	
	l ype or health facility	Health Post (HP)	16	2013/14	SIII	20	06)		5	
		Health facilities in earthquake affected 14 districts	na	2014/15	HIIS	80	100				
0C1.2	Health worker	Health worker population ratio									
		Doctors per 1,000 population	0.18	2013	HRH Profile	0.37	0.52	9			Target to have one doctor per 1,000 pop;
		Nurses (SN+ANM) per 1,000 population	0.5	2013	HRH Profile	0.85	1.12	Database	3 years	MoHP	and 2 paramedics per 1,000 pop, and 2 paramedics per 1,000 populations by
		Paramedics (HA+AHW) per 1,000 population	0.37	2013	HRH Profile	0.75	1.04				2030.
OC1.3	% of procurem consolidated pi	% of procurements completed within the planned timeline as per consolidated procurement plan	77	2013/14	LMD report	06	100	LMD report	3 years	МоНР	Drugs, health commodities, civil construction, service
0C1.4	% of health fac	% of health facilities with no stock out of tracer drugs	70	2013/14	LMIS	06	95	LMIS	Annual	MoHP	

ent and Supply chain management	Milestone/Target Data Monitoring Responsible Data	2019 2020 source frequency agency					100 HIIS Annual DoHS			
Outputs of Outcome 1: Strengthened health system: Infrastructure, HRH, Procurement and Supply chain management	Data	2020 source		Jards	na 2013/14 HIIS	na 2013/14 HIIS	SIE	na 201314 HIIS	na 2013/14 HIIS	na 2013/14 HIIS
of Outcome 1: Strengthened health syste	Indicator	במכמכו	Infrastructure	Health infrastructure developed as per plan and standards	% of health institution buildings completed as planned for the year	Hospital	PHCC	Public health HP facilities	Ayurvedic health facilities	Other health institutions
Outputs	C	B 0000	OP1a	OP1a1	OP1a1.1					

Code Faseline Milestone/Target Data Year Source 2016 Z016 Z016 Data Code Milestone/Target Data Year Source Z016 Apuredic health facilities are rebuilt NA Z015/16 HIIS 40 50 60 70 R HIIS HIIS	Indicator Indicator Indicator Alberth facilities are plan Inties Ayun Ayun Oth	Indicator Damaged health facilities are rebuilt % of damaged health facilities rebuilt Improved management of health infrastructure % of health buildings maintained annually as per the maintenance plan Hospital PHCC Public facilities Ayurvedic health facilities Other health institutions	Data na	Year Year 2015/16 2015/16 2015/16 2015/16 2015/16 2015/16 2015/16	Source HIIS HIIS HIIS HIIS HIIS HIIS	9102	Miles 2017 50	Milestone/Target 2018 2018 2019 100	70 T0	5020	Source HIIS HIIS	Monitoring frequency Annual	Responsible agency MD, DoHS MD, DoHS	Remarks HIIS to be updated to capture maintenance
Improved staff	f availability a	Improved staff availability at all levels with focus on rural retention	rural rete		and enrollment									
OP1b1.1 % of sanctioned posts filled	ed posts filled		na	2015/16										
		MDGP	na	2013	STS					-				
		Medical officer	36	2013	STS									
Dis	District hospital	Nursing (SN+ANM)	62	2013	STS									
		Paramedics (HA+AHW)	84	2013	STS									
		Medical officer	28	2013	STS									
	PHCC	Nursing (SN+ANM)	62	2013	STS			100			HuRIS	Annual	HRFMD, MoHP	HuRIS to be strengthened.
		Paramedics (HA+AHW)	77	2013	STS									.
	-	HA+AHW	75	2013	STS					-				
	눈	ANM	75	2013	STS									
% of district	ts with at leas	% of districts with at least one MDGP available	28	2013/14	HD									
T chr	olo	Medical officer	na	2015	NHFS									
affected 14	d 14	Nursing (SN+ANM)	na	2015	NHFS									
distr		Daramadice (HA+AHM)	ā	2015	O LIN									

	Domorko	אַפּוופּואַ					HuRIS to be strengthened									Monitoring system to be	established							Monitoring system to be	established				
	Responsible	agency				<u>.</u>	HKFMD, MOHD,	2								Councils									Councils				
	Monitoring	frequency					5 years									Annual									Auman				
nagement	Data	sonrce					NHFS									Councils									Councils				
ucture, HRH, Procurement and Supply chain management	Milestone/Target	2016 2017 2018 2019 2020					06									100								06					
e, HRH, P		Source	NHFS	NHFS	NHFS	NHFS	NHFS	NHFS	NHFS	NHFS	NHFS	NHFS		Councils	NMC	NNC	NPC	NHPC	NAC	Councils	NMC	NMC	NMC	NMC	NMC	NMC	NNC	NNC	CNN
frastructur	Baseline	Year	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14
tem: Inf		Data	na	na	na	na	na	na	na	na	na	na	ncies	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
ened health syst			t their own deputed	MDGP	Medical officer	Nursing (SN+ANM)	Paramedics (HA+AHW)	Medical officer	Nursing (SN+ANM)	Paramedics (HA+AHW)	HA+AHW	ANM	Improved human resource education and competencies	ons meeting iive councils	Medical colleges	Nursing colleges	Pharmacy institutions	Paramedics institutions	Ayurvedic institutions	nations in their first	Public institutions	Private institutions	Foreign institutions	Public institutions			Public institutions		Foreign
trengthe	lodicolor	ווווווווווווווווווווווווווווווווווווווו	s working a				Para			Para			source edu	ic institutic					Ą	uncil exami od nursing)		Graduate			Post graduate	·		Nursing council	
Outputs of Outcome 1: Strengthened health system: Infrastr			% of health workers working at their own deputed (Durbandi) institution		District hospital				PHCC		9	Ē	Improved human rea	% of health academic institutions meeting minimum standards of respective councils		3	Health academic			Success rate of council examinations in their first attempt (Medical and nursing)				Medical council				Nursi	
Outputs	opo	B000	OP1b1.2										OP1b2	OP1b2.1						OP1b2.2									

Outputs	Outputs of Outcome 1: Strengthened health system: Infrastructure, HRH, Procurement and Supply chain management	em: Inf	rastructu	re, HRH, F	rocure	ment ar	ld Sup	oly cha	in man	agement			
0	ير داند د ا		Baseline			Miles	Milestone/Target)et		Data	Monitoring	Responsible	2)20
BD000		Data	Year	Source	2016	2017	2018 2019	2019	2020	sonice	frequency		אַפּווּשַּ
OP1c	Procurement and supply chain management												
0P1c1	Improved procurement system												
OP1c1.1	% of procurement contracts awarded against Consolidated Annual Procurement Plan	48	2014/15	ГМД			100			ГМБ	Annual	LMD, DoHS	
OP1c2	Improved supply chain management												
OP1c2.1	% of health facilities receiving tracer commodities within less than two weeks of placing the order	na	2015	NHFS	06	06	92	95	100	LMIS	Annual	LMD, DoHS	LMD, DoHS LMIS to include this
OP1c2.2	% of health facilities complying good storage practices for medicines	na	2015	NHFS	•		100			LMIS	Annual	LMD, DoHS	Compliance to the 14 good storage practices

Outcon	Outcome 2: Improved quality of care at point-of-delivery	e at point-of-delivery									
apo	roteoilad			Baseline	0	Milestor	Milestone/Target	Data	Monitoring	Responsible	Special
D D D D D D D D D D D D D D D D D D D		5	Data	Year	Source	2017	2020	sonrce	frequency	agency	Nelliains
0C2.1	% of health facilities meeting minimum standards of quality of care at point of delivery	um standards of quality of	na	2015	NHFS						tilos to osciosocoilo
	Indianod to con.T	Public	na	2015	NHFS						effective; safe; client-
	lype of Hospital	Private	na	2015	NHFS		06	NHFS	3 years	MoHP	centered; timely;
	بؤالممط ماطيع فم اميم ا	PHCC	na	2015	NHFS				•		equitable, culturally appropriate; efficient;
	בפעפו טו שמשוני וופמונו ומכווונץ	웊	na	2015	NHFS						and reliable.
	Public health facilities in e	Public health facilities in earthquake affected 14 districts	na	2015	NHFS						
0C2.2	% of clients provided with quality services as per national standards (composite indicator for tracer services)	ervices as per national racer services)	na	2015							
		ANC	na	2015							
	Services	Family planning	na	2015							CONTRACTOR OF COMMENT
		IMCI	na	2015	NHFS	80	06	NHFS	3 years	MoHP	Tracer services include
	Type of hospital	Public	na	2015							ANC, FP & IMCI
	i ype of riospital	Private	na	2015							
	بغالممط ماطيع في أمين	PHCC	na	2015							
	Level OI public Health Jacility	HP	na	2015							

Outcor	Outcome 2: Improved quality of care at point-of-delivery	re at point-of-delivery										
Ç	20,00	Ş		Baseline	0	Milestor	Milestone/Target	Data	Monitoring	Responsible	0 0 0	
D 000		2	Data	Year	Source	2017	2020	source	frequency	agency	Nelligina	
OC2.3	Inpatient mortality rate		na	2014/15							od of oboos SIMI	
		Specialized	na	2014/15	OIMI		20%	OINI	6000	QT CM	strengthened to cover	
	Level of public hospital	Regional/sub regional/zonal	na	2014/15	SIMIL		reduction		o yaals	LION	reporting from all public	
		District/district level	na	2014/15							and private nospitals.	
OC2.4	% of tracer drugs meeting quality standard at different levels	tandard at different levels	na	2014	DDA							
		Hospital	na	2014	DDA							
	Level of public health facility	PHCC	na	2014	DDA		06	DDA	3 years	MoHP	To strengthen the monitoring system	
		롸	na	2014	DDA						66	
		At district store level	na	2014	DDA							
OC2.5	% of infection rate among surgical cases	cases	na	2014/15	HMIS						HMIS needs to be	
	T. och delication	Public	na	2014/15	HMIS						strengthened to include	
	ו אלה סו וופמווו ומכווונא	Private	na	2014/15	HMIS			OINI		QT CW	tries and cover reporting from all public and	
		Central/specialized	na	2014/15	HMIS				Allinai	LION	private hospitals.	
	Level of public health facility	Regional/sub regional/zonal	na	2014/15	HMIS						Targets to be set based	
		District/district level	na	2014/15	HMIS						on the baseline.	

CONFIGN ConfigNation ConfigNa	Outputs	s of Outcome 2: Ir	Outputs of Outcome 2: Improved quality of care at point-of-delivery	at point	t-of-delive	ıry									
1	Code		Indicator		Baseline			Mile	stone/Tar	rget		Data	Monitoring	Responsible	Remarks
1 We theraph services delivered as per standards and probools; 1 We theraph workers of the services delivered as per standard send probools; 1 Services delivered as per standard probools; NHFS 90 NHFS PHAMED. Services Services Services Services Services (and treatment, ANC check-up, FP) ANC check-up, FP) NHFS NHFS PHAMED. Type PHOTIC na 2015 NHFS NHFS PHAMED. Type PHOTIC na 2015 NHFS NHFS NHF A of planmaceutical companies with good labor. 2015 NHFS NHFS NHF A of planmaceutical companies with good labor. A public na 2015 NHFS NHF NPH I we defer a standard deprotory services so set standard death scallenge of the colspan strengthened NHFS NPH NPH NPH I we defer the scandificated NHFS NHFS				Data	Year	Source	2016	2017	2018	2019	2020	sonice	nequency	agency	
1 % of teath workers complying service delivery standard from 2015 NHFS NHFS Service standard services system strengthened (2015 NHFS Service standard services system strengthened (2015 NHFS Service standard services system strengthened (2015 NHFS Service standard system strengthened (2015 NHFS Service standard system strengthened (2015 NHFS Service system strengthened (2015 NHFS Service system strengthened (2015 NHFS Service (2015 NHFS Service system strengthened (2015 NHFS Service (2015 NHFS Serv	0P2.1	Health services deli	vered as per standards and pro	tocols											
Foundation Services Sick child treatment Table 2015 NHFS Parameter NHFS Parameter Parameter NHFS Parameter NHFS Parameter	0P2.1.1	% of health workers standard protocols/ç (sick child treatment	complying service delivery guidelines for tracer services t, ANC check-up, FP)	na	2015	NHFS									
ANC check up na 2015 NHFS N		Se		na	2015	NHFS									Tracer services: Sick
Physical Public na	-		ANC check up	na	2015	NHFS									child treatment, ANC
Private Public Ray 2015 NHFS Ray R			FP service	na	2015	NHFS					O	NHFIN	3 years	PHAMED,	cneck-up and FP A composite index to be
Level of public health acilities with good laborated year acilities with capacity to provide to public health facilities with capacity to provide to provide a cort and the cort and confine with good laborated year canony practices (GLP) and good manufacturing practices (GLP) and good manufacturing acilities with capacity to provide as per standard and practices (GMP) and good manufacturing acilities with capacity to provide as per standard and 2015 NHFS				na	2015	NHFS					3	2	9	MoHP	defined based on NHFS 2015
Level of public health			Private	na	2015	NHFS									
PHCC NHFS		Level of public		na	2015	NHFS									
2 % of pharmaceutical companies with good laboration practices (GAP) and good manufacturing as per standard practices (GAP) and good manufacturing na 2015 NHFS NHFS Annual DDA, MoHP DDA, MoHP 3 % of health facilities practices (GAP) Public na 2015 NHFS NHFS 90 NHFS 3 years NPHL 1 Level of public health facilities health facilities assurance system strengthened PHCC na 2015 NHFS NHFS 90 NHFS 3 years NPHL 1 % of hospitals based maternal deaths reviewed naternal deaths reviewed na Private na Private na Private na 2014/15 MPDSR Annual 100 Annual Annual FHD	-	Ē.		na	2015	NHFS									
2 % of pharmaceutical companies with good labbonary and good manufacturing practices (GLP) and good manufacturing good good manufacturing good manufacturing good manufacturing good ma			롸	na	2015	NHFS									
3 % of health facilities with capacity to provide selected laboratory services as per standard na 2015 NHFS 90 NHFS 3 years NPHL Level of public health facilities Hospital na 2015 NHFS 90 NHFS 3 years NPHL Level of public health facilities HP Outlity assurance system strengthened 2015 NHFS 90 NHFS 90 NHFS NPHL 1 % of hospitals based maternal deaths reviewed na 2014/15 MPDSR 400	OP2.1.2		il companies with good labo- P) and good manufacturing		2014	DDA					100	DDA	Annual	рра, монр	
Type Public na 2015 NHFS 90 NHFS 3 years NPHL Level of public health facilities health facilities Hospital based maternal deaths reviewed na 2015 NHFS na 2015 NHFS na NHFS <	OP2.1.3		with capacity to provide services as per standard	na	2015	NHFS									
Level of public health facilities health fa		Туре	Public	na	2015	NHFS									
Level of public health facilities health facilities PHCC na 2015 NHFS na 2015 NHFS na 2015 MPDSR na 2014/15 MPDSR naternal deaths reviewed na 2014/15 NHFS na 2014/15 MPDSR naternal naternal deaths reviewed na 2014/15 MPDSR naternal			Private	na	2015	NHFS					06	NHFS	3 years	NPHL	Tracer laboratory ser-
PHCC na 2015 NHFS PHCC PH		Level of public		na	2015	NHFS									
Quality assurance system strengthened Annual 2014/15 MPDSR Annual FHD		nealth iacilities		na	2015	NHFS									
A cof hospitals based maternal deaths reviewed a 2014/15 MPDSR 100 MPDSR Annual FHD RPDSR Annual Private na 2014/15 MPDSR ANNU			Η	na	2015	NHFS									
% of hospitals based maternal deaths reviewed na 2014/15 MPDSR Annual FHD Type Private na 2014/15 MPDSR Annual FHD	OP2.2	Quality assurance s	ystem strengthened												
Public na 2014/15 MPDSR Annual FHD Private na 2014/15 MPDSR	OP2.2.1	% of hospitals based	d maternal deaths reviewed	na	2014/15	MPDSR									
na 2014/15 MPDSR		Туре	Public	na	2014/15	MPDSR			100			MPDSR	Annual	FHD	MPDSR system to be strengthened
			Private	na	2014/15	MPDSR									,

Outputs	of Outcome 2: In	Outputs of Outcome 2: Improved quality of care at point-of-delivery	at point	-of-delive	Ž								
Code		Indicator		Baseline			Milestone/Target	Target		Data	Monitoring	Responsible	Remarks
			Data	Year	Source	2016 2	2017 2018	3 2019	2020	sonice	nequency	agency	
OP2.2.2	% of registered laboratories accredited	ratories accredited	0										
	Region	Eastern	0										
		Central	0	2011/16			Cc				\ \ \		
		Western	0	2014/13			00				Allina		
		Mid-western	0										
		Far western	0										
OP2.3	Improved infection	Improved infection prevention and health care waste management	e manag	ement									
OP2.3.1	% of health facilities waste at the time of	% of health facilities segregating health care waste at the time of collection	na	2015	NHFS								
	Type of hospital	Public hospital	na	2015	NHFS								
		Private hospital	na	2015	NHFS		100			DoHS	Annual	MoHP	
	Level of public	Hospital	na	2015	NHFS								
	health facilities	PHCC	na	2015	NHFS								
		HH	na	2015	NHFS								
OP2.3.2	% of health facilities waste	% of health facilities safely disposing health care waste	na	2015	NHFS								
	Type of health	Public	na	2015	NHFS								
	tacility	Private hospital	na	2015	NHFS		100				Annual	CD, MoHP	
	Level of public	Hospital	na	2015	NHFS							, , , ,	
	health facilities	PHCC	na	2015	NHFS								
		HP	na	2015	NHFS								

Outcor	Outcome 3: Equitable utilization of health care services	health care services									
500	z cłecije c	Š		Baseline	O.	Milestor	Milestone/Target	Data	Monitoring	Responsible	Domorke
D000		2	Data	Year	Source	2017	2020	source	frequency	agency	
0C3.1	% of clients who received basic health services free of cost (tracer services)	alth services free of cost									
		ANC	na	2015	NHFS						Tracer services: ANC, EP IMC: PM
		Family planning	na	2015	NHFS	75	100	NHFS	3 years	MoHP	Baseline includes
		IMCI	na	2015	NHFS						delivery service only
		Delivery	47	2013	STS						
OC3.2	% of children fully immunized		84.5								
		Lowest quintile	83.1								
	Wealth quintile	Highest quintile	92.7								
		Equity gap	9.6								
		Mountain	81.9								
	200	HIIS	85.4	2014	NMICS	06<	06<	SHON			
		Terai	84.3					NMICS	3 years	MoHP	
		Equity gap	3.5					N N			
	Ш	Earthquake affected 14 districts	86.9								
	contra	DPT 3	88								
	Alligen	Measles	93								
	% of districts with	% of districts with >90% fully immunized children	NA	2014	HMIS	Q	00				
	% of districts	% of districts with >80% coverage of DPT3	64	2014	HMIS	3	2				

Indicator	Code	4	Baseline		Mileston	Milestone/Target	Data	Monitoring	Responsible	Remarks
		Data	Year	Source	2017	2020	aninos	nednency	agency	
	Lowest quintile	27.9								
Wealth quintile	Highest quintile	90.7								
	Equity gap	62.8								
	Mountain	32.1								
	Hills	54.5								
Eco-region =	Terai	58.8								
	Equity gap	26.7	7,000		i d	9	NDHS			
ln e	In earthquake affected 14 districts	70.5	4102		3	2	NMICS			
	Brahman/Chhetri	61.8)			
	Other Terai Madhesi	48.9								
•	Dalit	47.1								
Caste/ethnicity	Newar	85.4								
,	Janajati	52.5								
	Muslim	35.8								
	Equity gap	49.6								
districts \	% of districts with >70% institutional delivery	89	2014	HMIS	10	100				
% of demand satisfied for family planning	anning	66.3								
	Lowest quintile	62.8								
Wealth quintile	Highest quintile	67.5								
	Equity gap	4.7								
	Mountain	72.2	2014	NMICS	72	92	NDHS			
i ci	Hills	63.3								
	Terai	68.1								
	Equity gap	8.9								
In e	In earthquake affected 14 districts	68.3								

Outcon	Outcome 3: Equitable utilization of health care services									
900	ladiosiper		Baseline		Mileston	//ilestone/Target	Data	Monitoring	Responsible	Domorke
B 0000	וומוסמטן	Data	Year	Source	2017	2020	source	frequency	agency	אפוופוע
OC3.5	OC3.5 Number of new outpatient visits per 1,000 population	50.1								
	Female	na	2013/14	HMIS	09	20	HMIS	3 years	MoHP	
	Male	na								
0C3.6	OC3.6 % of eligible clients currently receiving anti-retroviral therapy (adults and children)	21.8	2013/14	HMIS	36	51	HMIS	3 years	NCASC	

Output	Outputs of Outcome 3: Equitable utilization of health care services	e utilization of	health	care serv	ices									
0	rotocioa			Baseline			Mile	Milestone/Target	rget		Data	Monitoring	Responsible	Domarke
D 000	וומוסמנסו		Data	Year	Source	2016	2017	2018	2019	2020	sonrce	frequency	agency	ואוומואס
OP3.1	Improved access to health services, especially for unreached popul	rvices, especially fo	r unread	hed population	uc									
0P3.1.1	% of health facilities providing all basic health services by level	all basic health	na											
	-	Hospital	na											
	Level of public health	PHCC	na											To establish annual reporting
		문	na	2014/15	HMIS			100			NHFS	Annual	HMIS/MD	system
	Public health facilities in	Hospital	na					8						
	earthquake affected 14	PHCC	na											
	districts	Η	na											
OP3.1.2	% of households within 30 minutes travel time to health facility	nutes travel time	61.8	2011	NLSS									
		Mountain	44.3	2011	NLSS			75			NLSS	5 years	CBS	NLSS data for 2011 is 30
	Eco-region	Hills	48.9	2011	NLSS									וווווווווווווווווווווווווווווווווווווו
		Terai	77.9	2011	NLSS									
OP3.1.3	% of districts with at least one CEONC site	CEONC site	81	2014	HMIS	84	88	100	100	100	HMIS	Annual	紝	
OP3.2	Health service networks including referral system strengthened	ding referral system	strengt	pened										
OP3.2.1	Number of community health units	units	100	2013/14	PHCRD									
		Mountain	21	2013/14	PHCRD	150	300	00	750	1000			100	
	Eco-region	HIIIS	24	2013/14	PHCRD	3	2	3	3	200	PHCRD	Annual	PHCKD,	
		Terai	25	2013/14	PHCRD								<u>2</u> 5	
	In earthquake af	In earthquake affected 14 districts	14	2013/14	PHCRD									

Output	s of Outcome 3:	Outputs of Outcome 3: Equitable utilization of health care services	f healt	h care ser	vices									
o C		201001		Baseline	O.		Mile	Milestone/Target	get		Data	Monitoring	Responsible	000000000000000000000000000000000000000
D 00			Data	Year	Source	2016	2017	2018	2019	2020	sonrce	frequency	agency	NGIII I I I I I I I I I I I I I I I I I
OP3.2.2		% of referral hospitals providing fast track services for referred clients												
		Central	_	2015/16	MoHP			G			HMIS	Annual	MD, DoHS	
	Public P	Public hospitals Regional						06						
		Zonal	_											
OP3.2.3		% of public health facilities providing both modem and Ayurveda services	0											
		Zonal and above hospitals		:	:						:		DoHS	
	Level of public	District hospitals		2014/15	DoHS			10			DoHS	Annual	DoA,	
	health facilities	PHCC												
		<u></u>												
	% of public hospita service	% of public hospitals with own pharmacy service	na	2015	NHFS							,		
OP3.2.4	Level of public	Zonal and above hospitals	s na	2015	NHFS			100			NHFS	3 years	DDA	
	hospitals	District hospitals	s na	2015	NHFS									

Outcol	Outcome 4: Strengthened decentralized planning and budgeting	ting								
000	nationibal		Baseline		Milestone	//ilestone/Target	Data	Monitoring	Responsible	Domorke
D 000		Data	Year	Source	2017 2020	2020	sonrce	frequency	agency	אפווופועס
0C4.1	OC4.1 % of MoHP's district budget disbursed as block grant	na	2013/14	Budget analysis	5% incr	5% increment	MoHP	3 years	MoHP	
0C4.2	OC4.2 Proportion of district development fund (DDF) allocated for health	na	2013/14	MoFALD	10		MoFALD	3 years	MoHP	

Outputs	Outputs of Outcome 4: Strengthened decentralized planning and budgeting	nened decentrali	zed pla	nning an	d budge	ting								
C C	i de circular			Baseline			Mile	Milestone/Target	get		Data	Monitoring	Responsible	2/20
D 0 0	וומוכמנס		Data	Year	Source	2016	2017	2018	2019	2020	sonrce	frequency	agency	NG II GINS
OP4.1	Strategic planning and institutional capacity enhanced at all levels	ional capacity enhan	ced at all	l levels										
OP4.1.1	Number of districts (DHO & DPHO) submitting DDC approved annual plan to DoHS on specified time	PHO) submitting DoHS on		2013/14	DoHS	75	75	75	75	75				
		Eastern		2013/14	DoHS	16	16	16	16	16				
		Central		2013/14	DoHS	19	19	19	19	19	DoHS	Annual	DoHS	System to be established
	Development regions	Western		201314	DoHS	16	16	16	16	16				
		Mid-western		2013/14	DoHS	15	15	15	15	15				
		Far western		2013/14	DoHS	6	о	თ	0	o				
OP4.1.2	% of grant receiving hospitals submitting the progress report to MoHP (above district hospitals)	submitting above district	100	2013/14	PPICD	100	100	100	100	100				18 public and 38 non-state
	Publi Type of hospitals	Public hospitals (above district)	100	2013/14	PPICD	100	100	100	100	100	PPICD	Annual	PPICD	hospitals are receiving the grant and all submitting report
		Private	100	2013/14	PPICD	100	100	100	100	100				
OP4.1.3	% of flexible budget provided to districts (DPHO/DHO) in total district programme budget	to districts programme budget		2013/14	PPICD					2	PPICD	Annual	PPICD	System to be established

Code Data Year Source 2017 Data pource Monitoring agency Responsible agency Responsible agency Responsible agency Responsible agency Responsible agency Responsible agency To 1 2013/14 FMR 90 95 FMR Morb Morb Responsible agency Remarks Remarks Annual Morb Morb Remarks Annual Morb Morb Remarks Remarks <th>Outcol</th> <th>Outcome 5: Improved sector management and governance</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Outcol	Outcome 5: Improved sector management and governance									
turre of budget) Data Year Source 2017 2020 source frequency agency agency turre of budget) 75.1 2013/14 FMR 90 95 Annual MoHP GoN and Pool 81.8 2013/14 FMR 90 95 FMR MoHP EDP on-budget off-treasurery 33.3 2013/14 FMR 50 70 70 70 70	0	Indirochar		Baseline		Mileston	e/Target	Data	Monitoring	Responsible	0
ture of budget) 75.1 2013/14 FMR 90 95 Recurrent 56.6 2013/14 FMR 100 100 Recurrent 78.9 2013/14 FMR 80 85 FMR GoN and Pool 81.8 2013/14 FMR 90 95 EDP on-budget off-treasurery 33.3 2013/14 FMR 50 70	DO 0	Hidicard	Data	Year	Source	2017	2020	sonice	frequency	agency	אפווופועא
Capital 56.6 2013/14 FMR 100 100 Recurrent 78.9 2013/14 FMR 80 85 FMR Annual GoN and Pool 81.8 2013/14 FMR 90 95 EDP on-budget off-treasurery 33.3 2013/14 FMR 50 70	OC5.1	Budget absorption rate (% expenditure of budget)	75.1	2013/14	FMR	06	92				
Recurrent 78.9 2013/14 FMR 80 85 FMR Annual GoN and Pool 81.8 2013/14 FMR 90 95 EDP on-budget off-treasurery 33.3 2013/14 FMR 50 70		Capital	9.99	2013/14	FMR	100	100				
GoN and Pool 81.8 2013/14 FMR 90 EDP on-budget off-treasurery 33.3 2013/14 FMR 50 39.5 2013/14 MoHP 50		Recurrent	78.9	2013/14	FMR	80	85	FMR	Annual	MoHP	
EDP on-budget off-treasurery 33.3 2013/14 FMR 50 39.5 2013/14 MoHP 50		GoN and Pool	81.8	2013/14	FMR	06	92				
39.5 2013/14 MoHP 50		EDP on-budget off-treasurery	33.3	2013/14	FMR						
	OC5.2	% of irregularities (Beruju) cleared	39.5	2013/14	MoHP	20	70				

Outputs	Outputs of Outcome 5: Improved sector management and governance	d sector mana	gemen	t and gove	ernance									
0	1000			Baseline			Mile	Milestone/Target	get		Data	Monitoring	Responsible	2200
B000	וומוכמנטו		Data	Year	Source	2016	2017	2018	2019	2020	sonrce	frequency	agency	Nelliaino
OP5.1	Ministry of Health and Population (MoHP) structure is responsive to	tion (MoHP) structu	re is resp	onsive to he	health sector needs	spea								
OP5.1.1	% of activities of the restructuring plan executed	ring plan	0	2015/16	PPICD	0	90	75	06	100	MoHP	Annual	MoHP	System to be established
OP5.1.2	% of health posts with laboratory services	ory services	na	2015/16	HIIS									
		Mountain	na	2015/16	SIIH	ć	C	C	75	6	o I			
	Eco-region	HIIS	na	2015/16	SIIH	2	2	2	0	3	2	Allina		
		Terai	na	2015/16	HIIS									
OP5.2	Improved governance of private sector	te sector												
0P5.2.1	% of private hospitals complying MoHP guidelines	ng MoHP	na	2013/14	PHAMED									
		Eastern	na	2013/14	PHAMED									
		Central	na	2013/14	PHAMED	20	30	40	20	100	PHAMED	Annual	PHAMED	System to be established
	Development regions	Western	na	2013/14	PHAMED									
		Mid-western	na	2013/14	PHAMED									
		Far western	na	2013/14	PHAMED									
OP5.2.2	% of private hospitals accredited	pei	0	2013/14	PHAMED									
		Eastern		2013/14	PHAMED									
		Central		2013/14	PHAMED	c	c	c	ц	Ç		2		Social desired of of metal
	Development regions	Western		2013/14	PHAMED	>	>	7	n	2		Allina		System to be established
		Mid-western		2013/14	PHAMED									
		Far western		2013/14	PHAMED									
OP5.3	Development cooperation and aid effectiveness in the health sector	l aid effectiveness i	n the hea		improved									
OP5.3.1	% of multiyear committed aid disbursed by development partners	disbursed by	na	2013/14	PPICD	100	100	100	100	100	PPICD	Annual	PPICD	
OP5.3.2	% of health official development assistance (ODA) reflected in national budget	nt assistance dget	na	2013/14	PPICD	40	45	20	55	09	PPICD	Annual	PPICD	

Outputs	Outputs of Outcome 5: Improved sector management and governance	r managen	nent and	goveri	nance									
0	roi coi coi coi coi coi coi coi coi coi c		Bas	Baseline			Mile	Milestone/Target	get		Data	Monitoring	Responsible	o company
ש ס ס		Data	ia Year	ar	Source	2016	2017	2018	2019	2020	sonice	frequency	agency	אפוומועס
OP5.4	Multi-sectoral coordination mechanisms strengthened	strengthened												
OP5.4.1	% of districts with functional District Health Coordination Committee	lith na	2013/14	3/14	DoHS	40	20	09	75	100	DoHS	Annual	DoHS	
OP5.4.2	% of external development partners reporting their health expenditure to MoHP/AMP	orting na	2013/14	3/14	PPICD	100	100	100	100	100	PPICD	Annual	PPICD	
OP5.5	Improved public financial management within MoHP	within MoHP												
OP5.5.1	% of irregularities (Beruju) in MoHP expenditures	11.51	51											
	~	Ministry 0.81												
	character of C	DoHS 10.68	2013/14	3/14	OAG	တို	%	/ >	9	~ 2	AG	Annual	HRFMD	
	רפלים	DDA 0												
		DoA 0.02	2											
OP5.5.2	% of MoHP expenditure captured by TABUCS	BUCS 70	2014/15		TABCUS	80	06	100	100	100	TABUCS	Annual	HRFMD	As of Jestha 2072

Outcor	Outcome 6: Improved sustainability of health sector financing	ng								
good	Indirator		Baseline		Mileston	//ilestone/Target	Data	Monitoring	Responsible	Domorks
ט ס	IIIIcatol	Data	Year	Source	2017	2020	source	frequency	agency	Nelligins
OC6.1	OC6.1 Government health expenditure as percentage of GDP	1.4	2013/14	Budget analysis	1.6	2	Budget analysis	Annual	MoHP	
OC6.2	OC6.2 Incidence of catastrophic health expenditure	13	2013/14	NLSS	12	10	NLSS	5 years	MoHP	

Outpu	Outputs of Outcome 6: Improved sustainability of health se	of healtl	n sector f	ctor financing									
C C	s chocibal		Baseline			Mile	//ilestone/Target	get		Data	Monitoring	Responsible	0
D 000		Data	Year	Source	2016	2017	2018 2019	2019	2020	sonrce	frequency	agency	אפווופוע
OP 6.1	OP 6.1 Health financing system strengthened												
OP6.1.	OP6.1.1 % of health budget in total government budget	6.1	6.1 2013/14	Red Book	6.5	7.5	8.5	6	10	Red Book	Annual	PPICD	

Outputs	Outputs of Outcome 6: Improved sustainability of health sector financing	f health	sector fi	nancing									
0000	sobocite al		Baseline			Mile	Milestone/Target	get		Data	Monitoring	Responsible	277
DD000		Data	Year	Source	2016	2017	2018	2019	2020	sonice	frequency	agency	אפוופואס
OP6.1.2	% of health budget in total budget of Local Government	na	2013/14	MoFALD	2.5	3	3.5	5	7	HRFMD	Annual	HRFMD	
OP6.1.3	% of districts receiving budget based on identified needs and output criteria	0	2014	PPICD	0	25	40	75	100	HRFMD	Annual	HRFMD	
OP6.2	Social health protection mechanisms strengthened												
OP6.2.1	OP6.2.1 % of OOP expenditure in total health expenditure	49	2014	NHA					40	NHA	Annual	MoHP	
OP6.2.2	% of population covered by social health protection schemes		2014	MoHP						HRFMD		HRFMD	
	Free delivery	47	2014	DoHS					02	문	Annual	댐	
	Basic health service	77	2014	DoHS					06	PCHRD		PCHRD	
	Enrollment in insurance	0	2014	SHSB	_	2	က	5	7	NSHSC		NSHSC	

Outcor	Outcome 7: Improved healthy lifestyles and environment	yles and environment									
000	20,000			Baseline		Milestor	Milestone/Target	Data	Monitoring	Responsible	0
D 000		5	Data	Year	Source	2017	2020	sonrce	frequency		עפווומועא
OC7.1	Prevalence of diarrheal diseases among children under five years (%)	mong children under five	12								
		Lowest	15.4								
	Wealth quintile	Highest	7.9								
		Equity gap	7.5					NDHO			
		Mountain	14.7	2014	NMICS	=	10	NMICS	3 years	MoHP	
		H.	11.9								
		Terai	11.7								
		Equity gap	3.0								
	ŭ	Earthquake affected 14 districts	9.1								

Outcon	Outcome 7: Improved healthy lifestyles and environment	tyles and environment									
000	z cicio	i.		Baseline		Mileston	Milestone/Target	Data	Monitoring	Responsible	o character
D 000		2	Data	Year	Source	2017	2020	sonrce	frequency	agency	אַפּוויפּואַ
OC7.2	Prevalence of anaemia in women age 15-49	age 15-49	35	2011	SHQN						
		Lowest	34.5	2011	SHQN						
	Wealth quintile	Highest	31.2	2011	SHQN						
		Equity gap	3.3	2011	SHQN						
		Mountain	26.9	2011	SHQN		30	NDHS	3 years	MoHP	
	S C C C C C C C C C C C C C C C C C C C	Hills	26.9	2011	SHQN						
	ECO-1 egion	Terai	42	2011	SHQN						
		Equity gap	15.1	2011	SHQN						
	Ш	Earthquake affected 14 districts	19.6	2011	SHQN						
OC7.3	% of people aged 15-69 years with raised blood pressure (above normal)	raised blood pressure	25.7	2013/14	STEPS	,			,	!	STEP wise approach to
	200	Female	20.6	2013/14	STEPS	24	22	STEPS	3 years	MoHP	surveillance
	S S S S S S S S S S S S S S S S S S S	Male	31.1	2013/14	STEPS						

Outputs	Outputs of Outcome 7: Improved healthy lifestyles and environment	healthy lifesty	les anc	l envirc	nment									
200	i citocito a			Baseline			Ī	Milestone/Target	arget_		Data	Monitoring	Responsible	0
D 00	וומוכמוסו		Data	Year	Source	2016	2017	2018 2019	2019	2020	sonrce	frequency	agency	Nellial No
0P7.1	Healthy behaviors and practices promoted	s promoted												
OP7.1.1	Prevalence of tobacco use among people aged 15 – 29 years	ng people aged	4:11	2013	STEPS	10.6	10.0	8.6	9.5	9.2	STEPS NDHS NMICS	3 years	DoHS	
OP7.1.2	% of households with a specific place for hand washing where water and cleansing agents are present	place for hand sing agents are	72.5	2014	NMICS		75			06				
		Mountain		2014	NMICS		75			06	NDHS	3 vears	SHOO	
	Eco-region	SIIH		2014	NMICS		75			06	NMICS		2	
		Terai		2014	NMICS		75			06				
	In earthquake affected 14 districts	cted 14 districts		2014	NMICS		75			06				

Outputs	Outputs of Outcome 7: Improved healthy lifestyles and environment	healthy lifesty	rles an	d envir	onment									
0	100			Baseline			Σ	Milestone/Target	Target		Data	Monitoring	Responsible	O Sport
D 000	וומוכמוסו		Data	Year	Source	2016	2017	2018 2019	2019	2020	source	frequency	agency	אפווומואס
OP7.1.3	% of women aged 15-49 who have experienced gender based violence in the last one year	lave ence in the last	na	2016	NDHS					20% reduction	NDHS	3 years	DoHS	
OP7.1.4	OP7.1.4 % of population using an improved drinking water source	ved drinking	93.3	2014	NMICS									
		Mountain	na	2014	NMICS						NDH:N			
	Eco-region	SIH.	na	2014	NMICS			92			NMICS	3 years	DoHS	
		Terai	na	2014	NMICS									
	In earthquake affected 14 districts	ected 14 districts	na	2014	NMICS									

	Milestone/Target Data Monitoring Responsible	agency		DSS EDCD established	DSS		DSS 100 100 DSS EDCD established			Responsible	2016 2017 2018 2019 2020 source frequency agency relinans		70 75 75 EDCD Annual MoHP	4 6 8 10 12 MoHP Annual MoHP
ent of public health emergencies	Baseline	Data Year	cases due to public health 7.0 2013/14	Natural disaster 2013/14	Disease outbreaks and events 2013/14	92.6	Disaster (flood and landslide) 100 2013/14	Disease outbreaks 86.7	of public health emergencies	Baseline	Data Year Source	nealth emergencies	mergency response 61 2013/14 EDCD	anagement 2 2013/14 MoHP
Outcome 8: Strengthened management of public health emergencies			OC8.1 Case fatality rate per 1000 reported cases due to public health emergencies	481 0 0 d c il d i		OC8.2 % of natural disasters and disease outbreaks responded within 48 hours			Outputs of Outcome 8: Improved management of public health emergencies			OP8.1 Improved preparedness for public health emergencies	OP8.1.1 Number of districts having health emergency response plan	OP8.1.2 Number of hospitals with trauma management capacity

Outcom	ле 8: Strengthened manage	Outcome 8: Strengthened management of public health emerg	rgencies	S							
0	2000	Š		Baseline		Milestor	Milestone/Target	Data	Monitoring		0
D 000		מוטו	Data	Year	Source	2017	2020	sonrce	frequency	agency	אַפּווּפּוּאַס
008.1	OC8.1 Case fatality rate per 1000 reported cases due to public health emergencies	ted cases due to public health	7.0	2013/14	SSO						Rolitine system to be
	ocionomo del control	Natural disaster		2013/14	DSS			DSS		EDCD	established
		Disease outbreaks and events		2013/14	SSO						
OP8.2	Strengthened response to public health emergencies	s health emergencies									
OP8.2.1	OP8.2.1 % of public health emergency events notified at least within 24 hours	vents notified at least within		2013/14	EDCD	1(100	EDCD	Annual	EDCD	

Outco	Outcome 9: Improved availability and use of evidence in decision-making processes at all levels	and use of evidence in decis	sion-m	aking proc	sesses at a	II levels					
C		ofor		Baseline	a.	Mileston	Milestone/Target	Data	Monitoring	Responsible	2/20000
anno O	IIIulcatol	ימוטו	Data	Year	Source	2017	2020	sonrce	frequency	agency	Reliairs
009.1	% of health facilities electronically reporting to national health reporting systems: HMIS and LMIS	reporting to national health S	0	2013/14	HMIS						
		Public hospital		2013/14	SIMH	100	100				
	<u>V</u>	PHCC	0	2013/14	HMIS	100	100				
		웃	0	2013/14	HMIS	100	100	OWI			All health facilities to be
		Private health facilities	0	2013/14	HMIS	20	100	SIMIS	Annual	DoHS	strengthened to be able to report electronically.
		Hospital	0	2013/14	NWIS	100	100				
	<u> </u>	PHCC	0	2013/14	LMIS	100	100				
		웃	0	2013/14	LMIS	100	100				
		No. of districts	45	2013/14	LMIS	100	100				
OC9.2	% of children below one year whose births are registered	se births are registered	32.8	2014	SOIWN	37	41	CRVS	Annual	MoFALD	
OC9.3	Overall score of health information system performance index (%)	system performance index (%)	na	2013/14	PHMED	5	50	PHAMED	Annual	PHAMED	

Output	Outputs of Outcome 9: Improved availability and use of evidence in decision-making processes at all level	o esn p	f evidence	in decisio	n-maki	ng proc	sesses	at all le	vel				
200	sobocitor		Baseline			Miles	Milestone/Target	et		Data	Monitoring	Responsible	0
appoo		Data	Year	Source	2016	2017	2018	2019	2020	sonrce	frequency	agency	Kellialks
0P9.1	Integrated information management approach practiced	cticed											
OP9.1.1	Number of health information systems that have functional linkages with national database	0	2014	PHAMED		7	က	4	5	PHAMED	Annual	PHAMED	
OP9.1.2	Number of districts with functional integrated disease surveillance system	က	2014	EDCD	3	10	20	20	75	EDCD	Annual	EDCD	
OP9.2	Survey, research and studies conducted in priority areas; and results used	areas; an	d results use	þ									
OP9.2.1	% of national level surveys and researches producing policy briefs	0	2013/14	NHRC		75			100				
ОР9.2.2	Number of grants provided to public health institutions for innovation	0	2014	MoHP	5	5	10	15	20	DoHS	Annual	DoHS	To establish a system
OP9.3	Improved health sector reviews with functional linkage to planning	kage to pla	anning process	SS									
OP9.3.1	% of RF indicators reported on specified frequency	na	2015	PHAMED			100			PHAMED	Annual	PHAMED	
OP9.3.2	% of programme budget allocated for M&E	na	2014	HRFMD			10			HRFMD	Annual	HRFMD	
ОР9.3.3	% of prioritized action points agreed during national review reflected in AWPB	na	2014	DoHS			80			PPICD	Annual	DoHS	

Note: Please see 'Compendium of Indicators' which includes explanation of rationale, definition, milestones, targets, disaggregation, sources of information for each indicator; and Glossary of key terminologies used in the results framework. See 'Programme Monitoring Framework' for programme specific indicators.

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