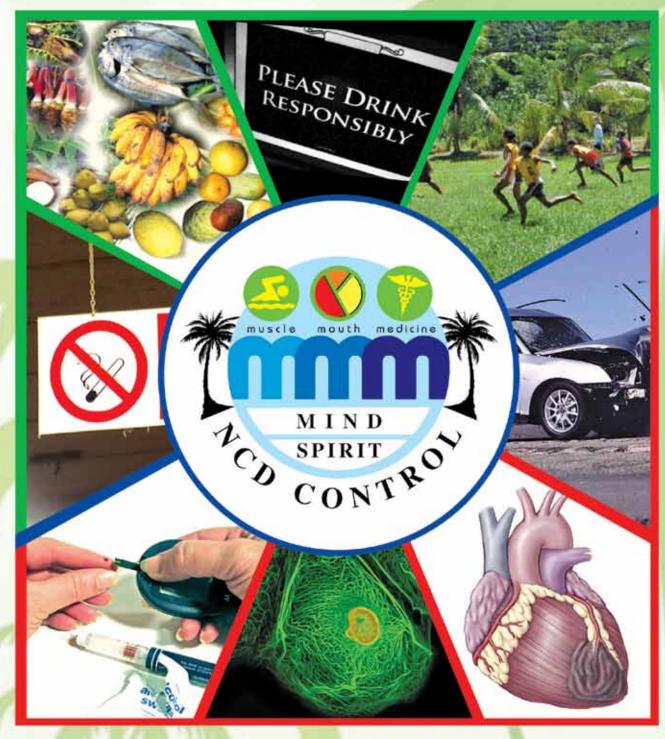


Non - Communicable Diseases Prevention and Control Strategic Plan 2010 – 2014



"From Womb to Tomb with a Double Edged Sword"

The story of a physician trying to explain the dilemmas of the modern practice of medicine...

"You know", he said, " sometimes it feels like this. There I am standing by the shore of a swiftly flowing river and I hear the cry of a drowning man. So I jump into the river, put my arms around him, pull him to shore and apply artificial respiration and then just as he begins to breathe, another cry for help.

So back in the river again, reaching, pulling applying, breathing and then another yell. Again and again without end, goes the sequence.

You know, I am so busy jumping in, pulling them to shore, applying artificial respiration, that I have no time to see who the hell is upstream pushing them all in".

Irving Zola 1970

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Message by the Minister for Health



It is my pleasure to share some thoughts on the Ministry of Health (MOH) Noncommunicable Diseases (NCDs) Prevention and Control Strategic Plan 2010-2014.

Fiji has changed over the years as a result of urbanisation and globalisation with accompanying benefits and challenges. Fiji is challenged by the increases in the incidences and prevalence of common risk factors, intermediate risk factors and noncommunicable diseases in the population. Of particular concern is the early onset and premature demise of our people affected by NCDs

The MOH has taken an innovative role in the formulation of a specific MOH Strategic NCD Plan that focuses on the Health Sector response to combat NCDs in Fiji. This technical document aims to reform NCD services in Fiji based on evidences and principles of NCD prevention and control.

The 3M (mouth, muscle, and medicine) approach has been developed to ensure that the MOH provides NCD services in Fiji that is holistic, addressing common risk factors, intermediate risk factors and NCD management as a package. The establishment of Diabetes/Renal HUBS in the country is a testimony to MOH endeavour to manage people at risk or with NCD in a holistic way.

The MOH through reform will pursue strengthening NCD service provision through legislation and policies, procurement of better, affordable technologies, capacity building, improving clinical infrastructure and enhancing public-private partnership.

This document relies on the support of all people working in the MOH, therefore I urge all staffs, at all levels of care to consider, understand and support this strategic plan.

Dr Neil Sharma Minister for Health

Message by Permanent Secretary for Health



As Permanent Secretary for Health, I am indeed grateful to the Deputy Secretary Public Health (DSPH) and his team that have put together this MOH NCD Strategic Plan

NCD is the leading cause of morbidity, disability and mortality in Fiji with relatively early age of cardiovascular deaths. This group of diseases, with lifelong disabilities and devastating complications is of great burden particularly to the MOH, as well as the community and the nation as a whole.

The MOH has seen enormous development in the area of NCD prevention and control and this continues to grow. NCD

control programmes development has included the one stop shop concept, hospital in the home (HITH), NCD toolkit and green prescription, foot care, diabetes care, mini steps and so on. Current developments now include cardiac catheterisation laboratories, support to the regional eye unit, radiology, mammograms, CT scans, diabetes/renal hubs, prosthesis, diabetes software and staffs capacity building. The MOH will continue to develop NCD prevention and control services as it pursues to provide NCD services that are accessible, affordable, efficient and of quality.

This plan calls for the MOH, at all levels of care, to prevent and control NCDs in Fiji. It spells out the need for us to strengthen community development with NCD as our entry point. We as civil servants and technicians need to address common risk factors, intermediate risk factors and NCDs using the innovative 3M approach. The brand reminds us of the WHO definition, that health is not merely the absence of infirmity, but mental and social well being as well. It aims to reorient MOH thinking that we need to, in a holistic way, address people with NCD rather than NCDs in people.

The Health Sector is committed to reduce the burden of NCD through this plan and the whole of our Ministry is encouraged to work as a team of technical civil servants, to save our people from this deadly scourge.

I conclude with the words of the physician Luke when he quoted the Lord saying, "It is not the healthy who need a doctor, but the sick. I have not come to call the righteous, but sinners to repentance."

Dr Salanieta Saketa Permanent Secretary for Health

Acknowledgement



The Public Health Division of the Ministry of Health acknowledges God for this milestone achievement of the MOH NCD Strategic Plan 2010-2014.

This plan is the output of collaboration of government, nongovernment and faith based stakeholders who contributed immensely to this development activity.

In particular, we extend to the Minister for Health, Dr. Neil Sharma, our sincere appreciation for his guidance and support towards this document at the political level.

We also express our sincere gratitude to the Permanent Secretary for Health, Dr. Salanieta Saketa, for her assistance and support throughout the development of this plan.

Our sincere thanks is extended to the following people and organisations

- Participants of the Division NCD Strategic Planning Workshop
- Participants of the Stakeholders NCD Strategic Planning Workshop
- FSM Review Team of Fiji NCD Strategic Plan 2004-2008
- Participants of National NCD Review Workshop
- Participants of the National NCD Strategic Planning Workshop
- Clinicians and other key personnel of MOH

We thank WHO, in particular Dr. Chen Ken and Dr. Li Dan and the team for their technical assistance and support. We thank Dr. Vilikesa Rabukawaqa and FHSIP (Fiji Health Sector Improvement Programme) team for your assistance and financial support. We also thank Dr. Viliame Puloka and SPC (Secretariat of the Pacific Community) for their valuable input into this plan consultation.

We acknowledge with gratitude the Division of Public Health at headquarters and its past leaders, in particular Dr. Temo Waqanivalu NCD National Adviser for the last NCD SP, on which the formulation of this NCD SP has been founded

We wish everyone in the MOH success in the implementation of this MOH NCD SP 2010-2014.

Dr Josefa Koroivueta Deputy Secretary Public Health

List of Abbreviations

A & I ADM CSO CT CVD EIDM FBDG FBO FCTC FHSIP FPAN FPAPA GYTS HITH HIV HK IARC 3M MOH MPOWER NCDs	Accident and Injuries Adolescent Development Health Civil Society Organisations Computerised Tomography Cardiovascular Disease Evidence Informed Decision Makeup Food Based Dietary Guidelines Faith Based Organisartions Framework Convention Tobacco Control Fiji Health Sector Improvement Programme Fiji Plan of Action on Nutrition Fiji Plan of Action on Nutrition Fiji Plan of Action on Physical Activity Global YouthTobacco Survey Hospital in the Home Health Information Unit Hong Kong International Agency for Research on Cancer Muscle, Mouth, Medicine Ministry of Health Monitor, Protect, Offer, Warm, Enforce, Raise Tobacco Policy Package Noncommunicable Diseases
NCD SP	Noncommunicable Disease Strategic Plan
NCD STEPS NGO	Noncommunicable Disease Stepwise Survey
NNS	Nongovernment Organisation National Nutrition Survey
OPIC	Obesity Prevention in Communities
PH	Public Health
PHC	Primary Health Care
PIC RCM	Pacific Island Countries
RDSSED	Regional Committee Meeting Roadmap for Democracy and Sustainable Socio Economic Development
RMI	Republic of Marshall Islands
SPC	Secretariat of Pacific Community
TFI	Tobacco Free Initiative
WHO	World Health Organisation

The Fiji Islands

Fiji lies in the heart of the Pacific Ocean midway between the Equator and the South Pole and between longitudes 175 and 178 west and latitudes 15 and 22 south. The Fiji islands are made up of approximately 330 islands of which, one third are inhabited. There are two major islands Viti Levu and Vanua Levu. Fiji's total area is 18333 square kilometres

The People

According to the 2007 national population census, 837,271 people live in Fiji; 80% of them live on Viti Levu, 16% on Vanua Levu and 4% in the maritime islands. The population is relatively young with 48% under the age of 25 years. The number of people over and above 60 years of age is estimated to be 62,940 (7.5% of the total population). Since 1996, an average of 18000 children are born into the country each year. The birth rate is currently at 21.0 per 1000 and the crude death rate is at 7.2 per 1000.

Population NCD Risk Status (2002 NCD STEPS Survey)

Tobacco use has an overall prevalence of 36.6%, 42% of which smoke daily. The mean age for initiation of smoking is approximately 18 years. There is generally low consumption of fruit and vegetables in Fiji, 65% consuming less than one fruit serving a day. Only 1.2% of males and 0.6% of females consume 5 or more servings of fruit a day. In terms of vegetables consumption 2.9% of males and 2.2% of females consume 5 or more servings per day. In fact 26.4% were found to eat less than one serving of vegetables in a day. 77.3% of alcohol drinkers were binge drinkers (i.e 77.3% of 45% prevalence) The prevalence of kava drinkers was 65% with 79.6% continuing to do so. Women, people aged 35 years and over, urban dwellers and Indo Fijians were found to be the least active cohorts in terms of physical activity. Physical activity at leisure is wanting in the Fiji population. 29.9% of people were overweight and 18% were found to be obese. Females were by far more obese than males in terms of BMI and abdominal obesity. There was evidence of rapid increase of obesity with age up to 30-34 year age group implying maximal weight gain is occurring in the younger generation in Fiji

Population NCD Status (2002 NCD STEPS Survey)

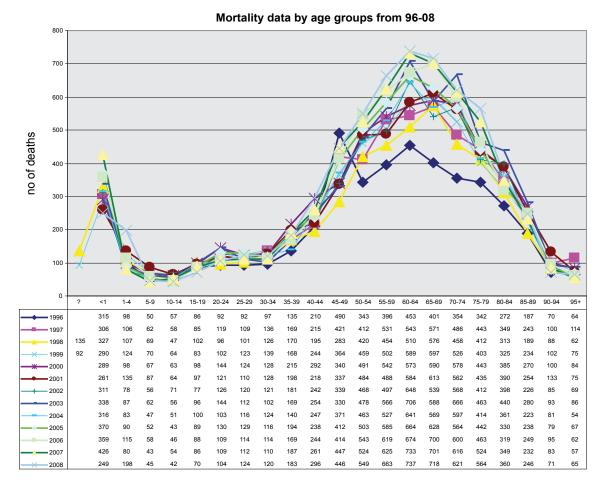
The prevalence of diabetes in the 25-64 year age group is 16% of which 53.2% were previously unknown. Of the known cases, 2.1% were not on medication, 32.2% were on medication but had uncontrolled fasting blood glucose, and only 12.5% were on medication with good glucose control. Diabetes is the most common cause of non-traumatic amputation and second most common cause of adult blindness in Fiji.

The prevalence of hypertension is 19.1% of which 63.3% were previously unrecognised. Of the known cases, 10% were not on medication, 15.4% were on medication but had abnormal blood pressure, and only 10.9% were on medication as well as controlled blood pressure. 20% were found to also resort to herbal or traditional medicines. There is an average of 300 to 350 cases registered annually with carcinoma of the cervix and the breast being the top 2 cancers in Fiji. Health reports showed Injury and poisoning ranked within the top 5 causes of disease and death and accounted for 7-8% of total morbidity and mortality for the

country. A lot of injuries happen on roads and within private compounds. A lot of injuries happen during leisure or at play especially children or while travelling. 33% of drowning are found to occur in the under 10 years of age. In the last 5 years 63% of those who drowned were under 29 years of age. Most drowning occurred in the West compared to the cent/east and Northern Fiji.

NCD Mortality Status

82% of all deaths are attributed to NCDs, with coronary heart disease and stroke responsible for all deaths in the 40-59 age group



The challenge for the MOH is the premature deaths occurring in the population

The Fiji Health Sector Infrastructure and Population distr	ribution
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Division	Population	Nursing stations	Health Centres	Subdivision Hospitals	Division Hospitals	Specialist Hospitals
Central	344898	24	21	4	1	4
Eastern	41026	33	13	6	0	0
Western	353234	27	26	6	1	2
Northern	139873	20	19	4	1	0
Total	879031	104	79	20	3	6

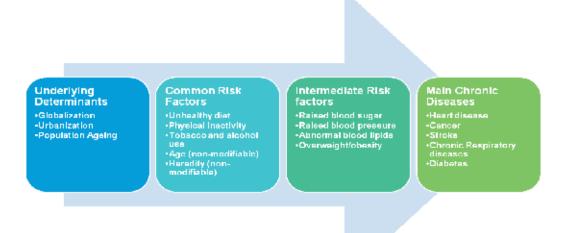
NCD trends continue to increase over the years and unless arrested by a technically sound MOH workforce, the trend will have devastating effects on our people and our beloved nation.

Introduction

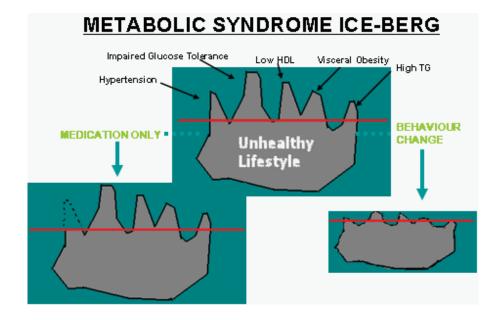
In formulating this MOH NCD SP, the following strategic considerations were taken into account

- 1. Strong Leadership and commitment of MOH staffs at all levels of care are essential to coordinate the essential health sector response to Fiji's NCD burden
- 2. The causation pathway for chronic diseases and the need to intervene at the common risk factor, intermediate risk factor as well as the NCD end of the spectrum

Causation pathway for NCDs



3. The metabolic syndrome approach and the need with intervene with both medication and behaviour change simultaneously to effect change at intermediate risk factor and disease status



4. A framework for prevention that is relevant to NCDs and the need to identify the best available investment options for reversal and delay of NCDs and their complications

	Diabetes: A Framework for Prevention						
General Population	Overweight or Obese	lmpaired Glucose Balance	Not Diagnosed	Diagnosed Diabetes	With Complic- ations		
	is presental on prevo r delaying p from high-ri to disa	enting rogression isk states ease.			⊐		
Wit	hout Diabe	etes	W	ith Diabet	es		

5. The 5 strategic action areas along an intervention pathway that corresponds to the NCD causation pathway - environment, lifestyle, clinical, advocacy and surveillance, monitoring evaluation

Pacif	ic Framework for Prev and Control of NCD	ention
	Consess of chronic diseases UNDERLYING SOCIDECONOMIC, CULTURAL, POLITICAL AND ENVIRONMENTAL DETERMINANTS COMMON MODIFIABLE RISK FACTORS INTERMEDIATE RISK FACTORS MAIN CHRONIC DISEASES University Cidevaluation University Common MODIFIABLE RISK FACTORS INTERMEDIATE RISK FACTORS MAIN CHRONIC DISEASES University Risk FACTORS Reset blood pacese Heart disease Globalization NON-MODIFIABLE RISK FACTORS Overweight/bbesity Chronic respiratory diseases Population ageing Age Heredity Non-MODIFIABLE Overweight/bbesity Diabetes	
	ENVIRONMENTAL CHANGE: Macroeconomic and policy changes LIFESTYLE CHANGE CLINICAL SERVICES • Infrastructure/Capacity • Infrastructure/Capacity • Palicy and legislation • Built environment • Flancing • Health systems change • Infrastructure/Capacity • Infrastructure/Capacity • Infrastructure/Capacity • Infrastructure/Capacity • Suit environment • Education and information • Clinical Preventive Services • Risk Factor Detection and Control • Acute care management • Chornic care management and reliabilitation • Palliative care	
	SURVEILLANCE ADVOCACY Whole of government/society response	
World H	Health systems strengthening	

6. The life course approach beginning from conception and all through life, and the existing PHC, Clinical Service Networks and Role delineation programmes and structures

	Conception- birth	<1year	<5years	<12	<20	<30	30-60	60+
% Population	18000/year	9.	9%	28.69	6	18.4%	35.4%	7.5%
PH prog	ANC	МСН		Scho & AD	-	GOPD	GOPD	GOPD
CSN	O & G	Paediatrics Medicine/Surgery/Eye/Mental/Or				ental/Oral		
Role delineation	Nursing stations→Health centres→Subdivision Hospitals→Division Hospitals/Specialist							

7. Health is not merely an absence of disease but a state of complete physical, mental and social well being. This branding shifts management of NCD from a disease-oriented approach to a holistic one – from managing NCDs in people to managing people with NCDs



NCD also include blindness, deafness, oral diseases, accidents and injuries and mental disorders. This plan must be read in tandem with available National Eye, Mental health, Oral health and Health Promotion strategic plans.

The MOH NCD SP has been specifically aligned to the Pacific Framework for the prevention and control of NCD and the 2-1-22 Pacific NCD Programme Implementation Plan 2008-2011. However EIDM (evidence informed decision making) has been in response to the Fiji NCD STEPS 2002, National Nutrition Survey 2004, Obesity Prevention in Communities Project, Health Information Unit and the National Youth Tobacco survey. This plan is formulated for the health of Fiji community. The key elements for implementation fit an acronym COMMUNITY that is illustrated below:-

Comprehensive: incorporating both policies and action on common risk factors, intermediate risk factors and major NCDs

Outcome focussed: ensuring optimal investment of resources with greatest health gains through monitoring of health outcomes

Multisectoral collaboration; involving the widest of consultation incorporating all sectors of society to ensure ownership and sustainability, drawing together the strengths of people from various sectors with different knowledge and skills.

Multidisciplinary: consistent with principles of health promotion and standard treatment guidelines for optional clinical management.

Universal access: striving for equity at all levels of health care irrespective of ethnicity, colour or creed

Natural (life course) approach: systematic address of the cumulative adverse effects by fostering NCD care from womb to the tomb

Innovative: linking health promotion and NCD prevention and control to inbuilt environment innovations

Technical and evidence based: ensuring optimal investment in mouth, muscle and medicine through technical and evidence based initiatives

Yahweh: acknowledging God as the shepherd of NCD care in Fiji

PRIORITY AREAS

There are two priority areas in this plan

- 1. NCD Risk factor Intervention
- 2. NCD Medical Intervention

There are 4 components under each of the priority areas

NCD Risk Factors intervention components include

- 1. Smoking
- 2. Nutrition
- 3. Alcohol
- 4. Physical Activity

The NCD Medical Intervention include

- 1. Diabetes Mellitus
- 2. Cardiovascular Diseases
- 3. Cancers
- 4. Accidents and Injuries

Each component in both priority areas has 5 intervention strategies namely

- 1. Environmental Intervention
- 2. Lifestyle Intervention
- 3. Clinical Intervention
- 4. Advocacy
- 5. Surveillance, Monitoring and Evaluation

These priority areas, components and strategies are applied to a life course matrix.

Fiji with a healthy lifestyle population

AIM

Improve Fiji National NCD status by 5% in 2014

OBJECTIVES

Reduce the prevalence of common risk factors by 5% in 2014

Reduce the prevalence of intermediate risk factors by 5% in 2014

Reduce the prevalence of major NCDs in Fiji by 5% in 2014

Improve early detection and 3M management of NCDs in 80% of primary health care facilities in Fiji by 2014

Improve 3M management of NCD admissions in 80% of Subdivisional and divisional hospitals in Fiji by 2014

For the word of God is quick, and powerful, and sharper than any two-edged sword, piercing even to the dividing asunder of soul and spirit, and of the joints and marrow, and is a discerner of the thoughts and intents of the heart

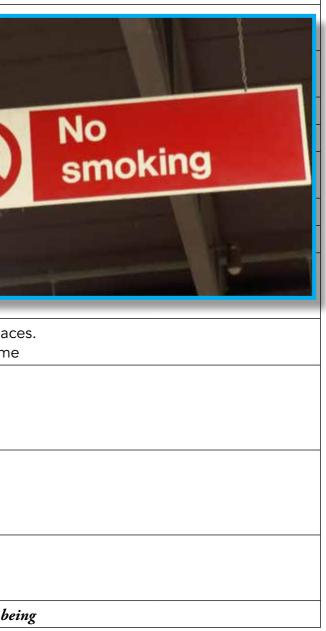
EVIDENCE BASED STRATEGIC OBJECTIVES AND TARGETS

Objectives	Evidences	National Targets
Reduce Smoking Prevalence	36.6%	30%
Reduce daily smoking	42%	35%
Increase mean age of initiation	18 years	21 years
Increase Exclusive breastfeeding	39.8%	80%
Reduce consumption of less than 1 serving of fruits/vegetables daily	65%	50%
Increase consumption of 1-5 servings of fruits/vegetables daily	34%	40%
Increase consumption of more than 5 servings of fruits/vegetables daily	1.2%	5%
Reduce prevalence of binge drinking	77.3%	70%
Increase prevalence of moderate Physical activities in at risk cohorts	 Women >=35 years Urban dwellers Indo-Fijians 	5% improvement 5% improvement 5% improvement 5% improvement
Reduce prevalence of overweight	29.9%	25%
Reduce prevalence of obesity	18%	12%
Reduce prevalence of diabetes	16%	10%
Reduce prevalence of proportion of previously unknown cases of diabetes	53.2%	40%
Increase prevalence of proportion of known cases of diabetes on medication but have uncontrolled blood glucose	32.2%	25%
Increase prevalence of proportion of known cases of diabetes on medication with controlled blood glucose	12.5%	15%
Reduce prevalence of hypertension	19.1%	15%
Reduced prevalence of proportion of previously unknown cases of hypertension	63.3%	50%
Reduce prevalence of proportion of known cases of hypertension on medication but have uncontrolled blood pressure	15.4%	10%
Increase prevalence of proportion of known cases of hypertension on medication with controlled blood pressure	10%	15%

NCD RISK FACTOR INTERVENTION

TOBACCO

	Conception – Birth	< 1year	< 5 years	< 12 years	< 20 years	< 30 years	< 60 years	60+ years		
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly		
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health		
Role Delineation	Nursing Stations -<-	→ Health Centres-<→Su	ıbdivisional Hospitals	$< \rightarrow$ Division Hospital	s-< \rightarrow Specialist Hospitals					
Strategic Objective		ce of Tobacco Use by 5 ional NCD Project Offic		•	e in adults and youths by y 2010	2014				
Strategic Activity		increase the number of NO SMOKING PUBLIC PLACES in Fiji instream Tobacco Control into nursing stations and health centres activities								
Strategic Indicator	Prevalence of tobacc	revalence of tobacco use by adults and youths in Fiji is reduced by 5% in 2014								
Guiding Document	Tobacco Control Act, Framework Convention to Tobacco Control (FCTC), MPOWER Policy Package									
Responsibility	Tobacco Control Act, Framework Convention to Tobacco Control (FCTC), MPOWER Policy Package Tobacco Control Unit (TCU), National Centre for Health Promotion (NCHP) DSPH, NA-NCD, NA- Environmental Health									
Time Frame	2010-2014									
Budget	\$40,000 annually					and the second sec				
Environment Intervention	Formulate Fiji Plan of	cco Control Act 1998 to f Action for Tobacco Fre nt MPOWER policy pacl	ee Initiative (FPTFI) by 2							
Lifestyle intervention			•		ganisations) will be assign stop smoking through th					
Clinical Intervention	Capacity building of Capacity Building of	nursing stations and he staffs at health centre a	alth centre staffs on No nd subdivisional levels	CD Toolkit programm on QUIT SMOKING						
Advocacy	Communicate the plan to divisions by 2010 Improve the advocacy roles and services of Tobacco Control Unit (TCU) Improve the advocacy role of NCHP in Tobacco Control Establish Tobacco Control Committee for Advocacy									
Surveillance Monitoring Evaluation	Mini STEPS in NCD t National Youth Tobac National NCD STEPS		ommunities, schools, w	vorkplaces and faith k	based organisations					
	The	e Lord formed the man fro	om the dust of the ground	and breathed into his	nostrils the breath of life, and	d the man became a livin	g being			



	Conception –Birth	< 1year	< 5 years	< 12 years	< 20 years	< 30 years	< 60 years	60+ years	
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly	
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health	
Role Delineation	Nursing Stations -< \rightarrow Hea	lth Centres-<→Subdivisi	onal Hospitals< \rightarrow Divisi	on Hospitals-< \rightarrow Specia	list Hospitals				
Strategic Objective	Improve the nutritional sta Establish National NCD Pr			3) by 2010			322		
Strategic Activity	To increase the proportior Mainstream nutrition into To reduce salt, oil and sug	nursing stations and hea	th centre activities	getables and/or fruits b	y 5% in 2014			家で	
Strategic Indicator	Prevalence of consumptio	n of 3-5 servings of vege	tables and /or fruits in Fi	ji is increased by 5% in 2	2014			and the	
Guiding Document	Fiji Food and Nutrition Policy Fiji Plan of Action on Nutrition (FPAN) Fiji Food Based Dietary Guideline Pure Food Act								
Responsibility	Advisor Nutrition, National Food and Nutrition Centre (NFNC), National Centre for Health Promotion (NCHP) DSPH, NA-NCD, NA- Environmental Health								
Time Frame	2010-2014								
Budget	\$80,000 annually							No.	
Environment Intervention	Implement the Fiji Food at Implement Promulgation of Implementation of School Support formulation of leg Support formulation of leg Develop salt reduction stru	of Food Safety Standards Canteen Guidelines gislation on Breast milk su gislation on marketing of	ubstitutes	beverages to children					
Lifestyle intervention	By 2014, at least 80% of cl By 2014, 60% of nursing s By 2014, 10% of national s	tations and health centre	s at risk population will b	e advised on nutrition tl			3-5 servings of vegetable	es and/or fruits	
Clinical Intervention	Increase in proportion of b Capacity building of nursir Capacity Building of staffs Capacity building of PH di Establishment of weight w	ng stations and health ce at nursing stations and h eticians on Public Health	ntre staffs on NCD Toolki ealth centre on Infant an Nutrition	t programme d Young Child Feeding					
Advocacy	Communicate the plan to divisions by 2010 Improve the advocacy roles and services of National Food and Nutrition Centre Improve the advocacy role of NCHP in Nutrition								
Surveillance Monitoring Evaluation	Mini STEPS in NCD toolkit Fiji Food Balance Sheet National Nutritional Survey National iron Fortification National NCD STEPS Surv	y (NNS) Survey 2010	iities, schools, workplace	s and faith based organ	isations				
		Mar	n does not live on bread a	lone but on every word	that comes from the mouth	of God			



ALCOHOL

	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years		
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly		
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health		
Role Delineation	Nursing Stations -< \rightarrow	Health Centres-<→Su	bdivisional Hospitals	$< \rightarrow$ Division Hospitals-	$< \rightarrow$ Specialist Hospitals					
Strategic Objective		lated harm in Fiji by 20 NCD Project Officer a		ect officers (3) by 2010		D				
Strategic Activity	To increase proportio	o establish National NCD Project Officer and divisions NCD project officers (3) by 2010 to reduce the prevalence of binge drinking in Fiji adult population by 5% in 2014 to increase proportion of responsible drinking in Fiji adult population by 5% in 2014 Mainstream alcohol into nursing stations and health centre activities reduction in prevalence of binge drinking in Fiji population mprovement in prevalence of responsible drinking in Fiji population regional Strategy to reduce alcohol related harm dational Centre for Health Promotion (NCHP)								
Strategic Indicator	Reduction in prevalence of binge drinking in Fiji population mprovement in prevalence of responsible drinking in Fiji population									
Guiding Document	Regional Strategy to reduce alcohol related harm									
Responsibility		National Centre for Health Promotion (NCHP) DSPH, NA-NCD, NA- Environmental Health								
Time Frame	2010-2014					Billion and				
Budget	\$20,000 annually						Contraction of the second			
Environment Intervention	0	cohol Control Regulation Policy on Alcohol relate								
Lifestyle intervention					oorate alcohol related h alcohol related harm th					
Clinical Intervention	Increase in proportion of adults who drink responsibly Capacity building of nursing stations and health centre staffs on NCD Toolkit programme Capacity Building of staffs at nursing stations and health centre on Alcohol related harm Establishment of alcohol counselling clinics in 30% of health centres and 30% of subdivision hospitals in Fiji by 2014									
Advocacy	Communicate the plan to divisions by 2010 Improve the advocacy role of NCHP in Alcohol related harm Establish Alcohol Related Harm Subcommittee for Advocacy									
Surveillance Monitoring Evaluation	Mini steps in PMC se National NCD Steps	ttings								
		Do	not get drunk on wine, u	which leads to debauchery	. Instead be filled with the	e Spirit				



PHYSICAL ACTIVITY

	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years		
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly		
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health		
Role Delineation	Nursing Stations -<-	→ Health Centres-<→Su	bdivisional Hospitals	$< \rightarrow$ Division Hospitals	$-< \rightarrow$ Specialist Hospitals					
Strategic Objective		ent Fiji Plan of Action o CD PO and divisions N		APA) by 2014						
Strategic Activity	Formulate Health rel	dopt and implement the Pacific Physical Activity Guidelines for Adults aged 18-65 by 2011 ormulate Health related Physical Activity Guidelines for people under 18 by 2012 ainstream physical activity into nursing station and health centre activities								
Strategic Indicator		creased prevalence of Fiji children engaged in 30 minutes of health related physical activity in schools creased prevalence of Fiji adults engaged in 600METmins of physical activity most days of the week								
Guiding Document	Regional Guideline on Physical Activity Pacific Physical Activity Guidelines for Adults									
Responsibility		National Centre for Health Promotion (NCHP) DSPH, NA-NCD, NA- Environmental Health								
Time Frame	2010-2014									
Budget	\$200,000 annually						自己的 人名伊尔利	四、杨、凤兰 中国		
Environment Intervention	Incorporate health re	f Action for Physical Act lated physical activity in oport policies that prom	nto School Health Polic	5	creased physical activity i	n settings				
Lifestyle intervention					will incorporate physical a physical activity through					
Clinical Intervention	Capacity building of Capacity Building of Capacity building of	n of adults who do 600 nursing stations and he staffs at nursing station physiotherapists/CRA c ght watch clinics in 30%	alth centre staffs on NG s and health centre and on health related physic	CD Toolkit programm d on Physical Activitie cal activities	S					
Advocacy	Improve the advocad	an to divisions by 2010 by role of NCHP in Phys t Physical Activity Subc	ical Activity	y						
Surveillance Monitoring Evaluation	Mini steps in PMC se National NCD Steps	0								
	For	Physical training is of som	ne value, but Godliness h	oas value for all things, l	bolding promise for both the	e present life, and the life	to come			



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NCD MEDICAL INTERVENTION

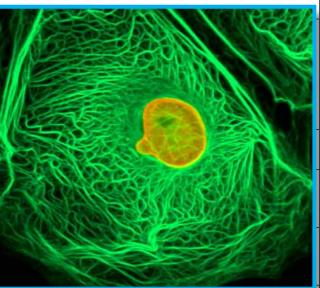
DIABETES MELLITUS

	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years	
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly	
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health	
Role Delineation	Nursing Stations -< \rightarrow	· Health Centres-<→Subd	ivisional Hospitals< $ ightarrow$ D	Division Hospitals- $< \rightarrow$ Sp	pecialist Hospitals				
Strategic	Reduce the prevalence	ce of diabetes in Fiji by 5%	6 in 2014						
Objective	Improve the profile o	f the National Diabetes C	entre by 2014						
Strategic					g stations and health centre				
Activity	Improve early referral Establish "one stop c Improve Health in the Improve capacity buil	l of orange and red case f oncept" in the 3 Diabetes Home (HITH) services an Iding in diabetes manage	rom nursing stations and s/Renal HUBS in Fiji by 2 d House Based Care ment in all clinical service	l health centres in the N 014	res through the NCD toolkit			E EMA	
Strategic	Improved prevalence of NCD risk factors in the population								
Indicator	Reduction in diabetes prevalence								
<u> </u>	Reduction in Diabetes complication prevalence								
Guiding Document	National Toolkit Programme National Clinical Service Network Guidelines								
Document	Standard Treatment Guideline for Management of Diabetes								
Responsibility	DSHS National Centre for Health Promotion (NCHP) DSPH, NA-NCD, NA- Environmental Health								
Time Frame	2010-2014						MT.		
Budget	\$50,000 annually							In Oury Culture	
Environment Intervention	Re-establish NDC as a	vices and technology to ir a National centre for Diab I Labasa Diabetes/Renal H	etes Research and Educa	ation with appropriate h	numan resource and suppor		<u></u>		
Lifestyle		etes cases will have, and l							
intervention	By 2014, 15% of diab	etes population on 3M m	anagement will also have		their diabetes status annual ars	ly			
Clinical Intervention	Capacity building on Capacity Building of I Capacity building of (n of diabetes on 3M mana 3M Diabetes managemer National Diabetes Centre CSN on diabetes care and I, eye, neurology, prosthe	It at health centre, subdit for research and education management	on in diabetes manage		vices by 2014			
Advocacy	Communicate the pla Improve the advocacy		S	· · · ·	~				
Surveillance Monitoring Evaluation		petes surveillance system polkit programmes in com Survey 2010	munities, workplaces and	d faith based organisati	ons				
			How sweet are thy	words unto my taste! ye	a, sweeter than honey to my	mouth			



CANCERS

	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years	
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly	
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health	
Role Delineation	Nursing Stations -<	\rightarrow Health Centres- $< \rightarrow$ Su	bdivisional Hospitals<-	\rightarrow Division Hospitals-<-	\rightarrow Specialist Hospitals				
Strategic Objective	· · ·	nce of cancers in Fiji by						ANN NO BEAR	
Strategic Activity	Improve early detect Improve early referr Establish "one stop Improve Hospital in	ction and management or ral of orange and red cas concept" for Cancer ma the Home (HITH) service	of abnormal smears/VIA a e from nursing stations a	t nursing stations and nd health centres ses	ng stations and health centr nealth centres by 2014	es			
Strategic Indicator		mproved prevalence of NCD risk factors in the population Reduction in cancer prevalence							
Guiding Document	National Pap and VIA programme National Clinical Service Network Guidelines Standard Treatment Guideline for Management of Cardiovascular diseases								
Guiding Document	National Pap and VIA programme National Clinical Service Network Guidelines Standard Treatment Guideline for Management of Cardiovascular diseases								
Responsibility		Health Promotion (NCH A- Environmental Health	P)			_			
Time Frame	2010-2014								
Budget	\$40,000 annually								
Environment Intervention	Improve cancer serv Further develop On		improve accessibility of p	opulation to cancer se	rvices in Fiji				
Lifestyle intervention	By 2014, 60% of nu	rsing stations and health	be compliant to their gro centres at risk populatio nanagement will also hav	n will be able to ascert	tions ain their cancer status annua	illy			
Clinical Intervention	Capacity building o Capacity building o	f CSN on Cancer manag	ent at health centre, subd		·				
Advocacy	Improve the advoca	blan to CSN by 2010 acy role of NCHP in canc Cancer Foundation for Ca							
Surveillance Monitoring Evaluation			า ommunities, workplaces	and faith based organi	sations				
	·	-	A beart at	peace gives life to the l	ody but envy rots the bones				



ACCIDENTS AND INJURIES

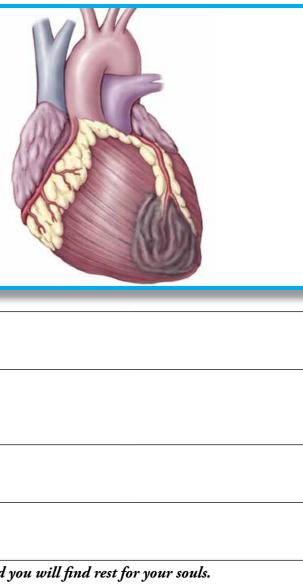
	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health
Role Delineation	Nursing Stations -< \rightarrow	Health Centres-<→Subc	livisional Hospitals< $ ightarrow$ D	Pivision Hospitals- $< \rightarrow$ Sp	pecialist Hospitals			
Strategic Objective	Reduce the prevalence	ce of accidents and injurie	es (A & I in Fiji by 5% in 2	014				1-
Strategic Activity	Improve early detection Improve early referral Establish "one stop co Improve Hospital in th	on and management of c on and management of a of accidents and injuries oncept" for A & I manage ne Home (HITH) services f ding in A & I managemer	ccident and injuries cases cases from nursing statio ement in Accident and Er for accident and injury rel	s at nursing stations and ns and health centres nergencies at subdivision nabilitative cases				
Strategic Indicator	Improved prevalence of NCD risk factors in the population Reduction in A & I prevalence Reduction in A & I complication prevalence							
Guiding Document		ice Network Guidelines Guideline for Managemen	t of Accidents and Injurie	S		-		
Guiding Document		ice Network Guidelines Guideline for Managemer	t of Accidents and Injuri	es		S-2-B		N
Responsibility		lealth Promotion (NCHP) Environmental Health						
Time Frame	2010-2014							
Budget	\$30,000 annually							
Environment Intervention		s and technology to impr of structural development						
Lifestyle intervention	By 2014, 60% of nurs	I cases will have, and be o ing stations and health ce I population on 3M mana	entres will be able to resp	ond timely and effective	s vely to A & I in their areas			
Clinical Intervention	Increase in proportion of A & I on 3M management. Capacity building on 3M A & I management at health centre, subdivision, division, national, and specialist clinics Capacity building of CSN on A & I care and management Advancement of A & E, rehabilitation, laboratory, radiology, physiotherapy, pharmaceuticals, biomedical, by 2014							
Advocacy	Communicate the plan to CSN by 2010 Improve the advocacy role of NCHP in A & I Establish National Accidents and Injuries Committee for Advocacy							
Surveillance Monitoring Evaluation	Improve National A &	k I surveillance system						
	But he 1	was wounded for our tran	sgressions, he was bruisea	l for our iniquities: the	chastisement of our peace w	as upon him; and with his	s stripes we are healed	



es we are healed		

CARDIOVASCULAR DISEASES

	Conception –Birth	< 1year	<5 years	<12 years	<20 years	<30 years	<60 years	60+ years
Primary Health Care (PHC)	Ante Natal Clinics (ANC)	Maternal and Child Health (MCH)	Maternal and Child Health (MCH)	School Health (SH)	Adolescent Development Health (ADH)	General Outpatients (GOPD)	General Outpatients (GOPD)	Care of the Elderly
Clinical Service Network (CSN)	Obstetrics and Gynaecology Mental health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral Health Ophthalmology Radiology Allied Health	Paediatrics Mental Health Oral health Ophthalmology Radiology Allied Health	Paediatrics Medicine Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied health	Medicine Surgery Mental health Ophthalmology Radiology Allied Health	Medicine Surgery Mental health Ophthalmology Radiology Allied health	Medicine Surgery Mental Health Ophthalmology Radiology Allied Health
Role Delineation	Nursing Stations -< \rightarrow	Health Centres-<→Subd	ivisional Hospitals< \rightarrow D	Division Hospitals- $< \rightarrow$ Sp	pecialist Hospitals			
Strategic Objective		e of cardiovascular diseas f cardiovascular services ir						
Strategic Activity	Improve early detection Improve early referral Establish "one stop con Improve Hospital in the Improve capacity buil	on and management of o of orange and red case fi oncept" for CVD manage ne Home (HITH) services f ding in cardiovascular dis	range cases at nursing st rom nursing stations and ment in SOPDs or stroke cases eases management in all	ations and health centr health centres through	stations and health centres res through the NCD toolkit in the NCD toolkit programm ks (CSN)		M	
Strategic Indicator		of NCD risk factors in the scular disease prevalence nplication prevalence					Lt	2
Guiding Document	National Toolkit Programme National Clinical Service Network Guidelines Standard Treatment Guideline for Management of Cardiovascular diseases							
Responsibility		ealth Promotion (NCHP) Environmental Health						
Time Frame	2010-2014						6	
Budget	\$40,000 annually							
Environment Intervention		ar services and technolog of structural development			iovascular services in Fiji			
Lifestyle intervention	By 2014, 60% of nursi	cases will have, and be c ing stations and health ce population on 3M manag	ntres at risk population v	vill be able to ascertain	their CVD status annually			
Clinical Intervention	Capacity building on Capacity building of (n of CVD on 3M managen 3M CVD management at CSN on CVD care and ma iovascular, rehabilitation,	health centre, subdivisio nagement					
Advocacy		n to CSN by 2010 y role of NCHP in CVD art Foundation for CVD Ac	lvocacy					
Surveillance Monitoring Evaluation	Improve national CVD Mini STEPS in NCD to National NCD STEPS	oolkit programmes in com	munities, workplaces and	d faith based organisat	ions			
"С	ome to me all you who	are weary and burdened,		Take my yoke upon you For my yoke is easy and	and learn from me, for I am my burden light."	gentle and humble in he	art, and you will find rest	for your souls.



Consultations for	NCD Stra	tegic Plan	2010-2014
••••••			

Date	Consultations	Number of participants
17 th February, 2009	NCD core team	15
24 th February	Workshop for taxi, mini van and mini bus drivers at the Salvation Army conference room	32
13 th March, 2009	Meeting with the FSM core team, brief on their work plan	4
March, 25th	MOH mini conference room – FSM team and MOH team to brief DSPH and get his approval to go ahead	6
April 1 st and 2 nd	National review of the NCD strategic plan at the FMA hall (List below)	30
April 6 th , 2009	Meeting with the cancer core team – Dr James Fong, Raymond St Julian Dr Isimeli Tukana	3
April 14 th , 2009 @2pm	Meeting with the healthy food choice core team – Shobna Shalini, Jimaima Shultz, Ateca Kama, Jiutatia Jikoitoga, Joji, Salome Tukana, Jessie Tuivaga, Penina Vatucawaqa, Nisha Khan, Litia Tuinakelo	10
April 21 st , 2009	Training for the Cent / East on toolkit	25
April 22 nd – 23 rd	Meeting with the stakeholders to review the NCD strategic plan at the CWM training room	25
April 28 th – 29 th	National Review for the Eye Care strategic plan	30
April 30 th – May 1 st	Training of Public health doctors on Suicide prevention at the FMA hall	25
May 20th – 21 st	Northern division consultations, Labasa	35
May 25th – 26 th	Central /Eastern consultations, Namosi house	35
May 27 th – 28 th	Western division consultations, Lautoka	40
June 5 th	Meeting for the Physical activity core group, mini conference room	10
11 th June, 2009	Meeting for the tobacco core group, conference room	8
11 th June, 09 (2-4pm)	Meeting for the A& I core team, conference room	5
June 29 th – July 3 rd , 2009	Physical activity training for PE teachers by MOH, FSM, MOE at the Studio 6 conference room	20
July	National Dieticians meeting	20
August 3 rd – 7 th	NCD WPR meeting Saitama Japan	
August 25 th – 28 th	Pacific NCD meeting Nadi	40
September 21 st – 25 th	WPR RCM meeting Hong Kong	
October 14 th – 16 th	Fiji Food Summit Nadi	
October 29 th – 30 th	National CSN Holiday Inn	40
November 3 rd – 5 th	National NCD SP	10
November 11 th – 13 th	National NCD STEPS Training, Studio 6	40
December 1 st – 3 rd	NCD Consultation, SPC Noumea	6