

Technical package for cardiovascular disease management in primary health care



Healthy-lifestyle counselling





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WHO/NMH/NVI/18.1

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Design and layout by Myriad Editions.

Printed in Switzerland.

— Contents

	Acknowledgements	5		
HE	ARTS Technical Package	6		
Int	roduction	8		
	Target users of this module	8		
1	The four main behavioural risk factors for CVD	9		
	Unhealthy diet	9		
	Insufficient physical activity	10		
	Tobacco use	11		
	Harmful use of alcohol	12		
2	Behaviour change	14		
	Understanding behaviour change	14		
	Counselling for behaviour change through brief interventions	14		
3	Brief interventions to encourage behaviour change	16		
	General theory of the 5As brief interventions	16		
4	Next steps	23		
An	nex: Material supporting healthy lifestyles	24		
Re	ferences	27		
For more information				

-Figures

Figure 1:	Factors contributing to the development of	
	cardiovascular disease and related complications	8
Figure 2:	Calculation of money spent on tobacco	12

-Boxes

Box 1:	What are saturated fats, trans-fats and unsaturated fats?	9
Box 2:	What are free sugars?	10
Box 3:	Communication techniques – "OARS"	14
Box 4:	Key principles of motivational interviewing	14

-Tables

Table 1:	The 5As: General theoretical framework for how to do it	17
Table 2:	5As brief intervention for a healthy diet – example fruit and vegetables	18
Table 3:	5As brief intervention to increase physical activity	19
Table 4:	5As brief intervention to quit tobacco	20
Table 5:	5As brief intervention to screen for harmful use of alcohol	22

Acknowledgements

The HEARTS technical package modules benefited from the dedication, support and contributions of a number of experts from American Heart Association; Centre for Chronic Disease Control (India); International Diabetes Federation; International Society of Hypertension; International Society of Nephrology; United States Centers for Disease Control and Prevention; Resolve to Save Lives, an initiative of Vital Strategies; World Health Organization Regional Office for the Americas/Pan American Health Organization; World Health Organization; World Heart Federation; World Hypertension League; and World Stroke Organization.

Staff at WHO headquarters, in WHO regional offices and in the WHO country offices in Ethiopia, India, Nepal, Philippines and Thailand also made valuable contributions to ensure that the materials are relevant at the national level.

WHO wishes to thank the following organizations for their contributions to the development of these modules: American Medical Association (AMA), Programme for Appropriate Technology in Health (PATH), The Integrated Management of Adolescent and Adult Illness (IMAI) Alliance, McMaster University Canada, and All India Institute of Medical Sciences. WHO would also like to thank the numerous international experts who contributed their valuable time and vast knowledge to the development of the modules.

HEARTS Technical Package

More people die each year from cardiovascular diseases (CVDs) than from any other cause. Over three-quarters of heart disease and stroke-related deaths occur in low- and middle-income countries.

The HEARTS technical package provides a strategic approach to improving cardiovascular health. It comprises six modules and an implementation guide. This package supports Ministries of Health to strengthen CVD management in primary care and aligns with WHO's Package of Essential Noncommunicable Disease Interventions (WHO PEN).

HEARTS modules are intended for use by policymakers and programme managers at different levels within Ministries of Health who can influence CVD primary care delivery. Different sections of each module are aimed at different levels of the health system and different cadres of workers. All modules will require adaptation at country level.

The people who will find the modules most useful are:

- National level Ministry of Health NCD policymakers responsible for:
 o developing strategies, policies and plans related to service delivery of CVD
 - o setting national targets on CVD, monitoring progress and reporting.
- Subnational level Health/NCD programme managers responsible for:
 planning, training, implementing and monitoring service delivery
- Primary care level Facility managers and primary health care trainers responsible for:
 - assigning tasks, organising training and ensuring the facility is running smoothly
 - o collecting facility-level data on indicators of progress towards CVD targets.

Target users may vary, based on context, existing health systems and national priorities.

MODULES OF THE HEARTS TECHNICAL PACKAGE							
		Who are the target users?					
Module	What does it include?	National	Subnational	Primary care			
ealthy-lifestyle counselling	Information on the four behavioural risk factors for CVD is provided. Brief interventions are described as an approach to providing counselling on risk factors and encouraging people to have healthy lifestyles.		\checkmark	~			
vidence-based protocols	A collection of protocols to standardize a clinical approach to the management of hypertension and diabetes.	\checkmark	\checkmark	~			
ccess to essential medicines and technology	Information on CVD medicine and technology procurement, quantification, distribution, management and handling of supplies at facility level.	✓	✓	✓			
Risk-based CVD management	Information on a total risk approach to the assessment and management of CVD, including country-specific risk charts.		✓	✓			
Team-based care	Guidance and examples on team-based care and task shifting related to the care of CVD. Some training materials are also provided.		✓	✓			
Systems for monitoring	Information on how to monitor and report on the prevention and management of CVD. Contains standardized indicators and data- collection tools.	✓	✓	~			

The risk factors for CVD include behavioural factors, such as tobacco use, an unhealthy diet, harmful use of alcohol and inadequate physical activity, and physiological (metabolic) factors, including high blood pressure (hypertension), high blood cholesterol and high blood sugar or glucose. Both kinds of factor are linked to underlying social determinants and drivers (Fig. 1). *(1)*

Figure 1: Factors contributing to the development of cardiovascular disease and related complications

Social determinants	Behavioural risk factors	Metabolic risk factors	Cardiovascular disease
and drivers Globalization Urbanization Ageing Income Education Housing	Unhealthy diet Tobacco use Physical inactivity Harmful use of alcohol	High blood pressure Obesity High blood sugar (diabetes) High blood cholesterol	Heart attacks Strokes Heart failure Kidney disease
Jan g			

This module focuses on the behavioural risk factors and provides information on:

- tobacco use, unhealthy diet, insufficient physical activity and harmful use of alcohol as important contributors to CVDs
- behavioural change, brief interventions for counselling and key points for motivational interviewing
- the theory of the 5As for brief interventions, as well as sample brief interventions for each risk factor, using the 5As.

Target users of this module

This module is intended for trainers of primary health care workers, including physicians, nurses, and other health workers.

Primary care workers should be trained on the risk factors and counselling approaches, adapting to local customs, culture and context.

NCD programme managers may also use it for planning purposes.

The four main behavioural risk factors for CVD

Unhealthy diet

The risk of CVD is increased by an unhealthy diet, characterized by a low intake of fruit and vegetables and high intakes of salt, fats (described in further detail in Box 1) and sugars. An unhealthy diet contributes to obesity and overweight, which are also risk factors for CVD. Unhealthy eating habits can also result in a range of other conditions, including cancer, diabetes and micronutrient deficiencies. *(2)*

What is a healthy diet?

A healthy diet is important to address hypertension, diabetes and obesity and help prevent heart attack and stroke. The composition of a healthy diet depends on individual needs (for example, age, sex, lifestyle, degree of physical activity), cultural context and locally available foods. However, the basic elements of a healthy adult diet remain constant (2):

a) a variety of foods

- a range of fruits, vegetables, legumes (for example, lentils, beans) and nuts
- whole grains such as unprocessed maize, millet, oats, wheat and brown rice, and starchy tubers or roots such as potato, yam, taro or cassava
- foods from animal sources (for example, meat, fish, eggs and milk).

b) at least 400 g (five portions) of vegetables and fruits per day

- one portion is equivalent, for example, to a single orange, apple, mango, banana, or 3 tablespoons of cooked vegetables. (Potatoes, sweet potatoes, cassava or other starchy tubers or roots do not count as one of these portions.)
- c) less than 5 g of salt per day (equivalent to approximately 1 level teaspoon) (3)
 - including salt added while cooking or eating, as well as salt contained in foods such as processed foods and bread.
- d) a total daily energy intake from fats of less than 30%
 - unsaturated fats are preferable to saturated fats (Box 1)
 - less than 10% of total energy intake should be from saturated fats

Box 1: What are saturated fats, trans-fats and unsaturated fats?

Saturated fats are found mainly in animal products such as meat, milk, butter, cream, cheese, ghee and lard. They can also be found in palm and coconut oil. Many saturated fats are solid, such as the fat in meat. Consuming saturated fats in unhealthy amounts can lead to raised cholesterol levels and can increase the risk for heart attack and stroke.

Trans-fats (also called hydrogenated or partially hydrogenated vegetable oils) are liquid vegetable oils that have been processed to make them solid. This makes them unhealthy. Trans-fats are often found in processed food, fast food, snacks, fried food, frozen pizza, pies, cookies, margarines and spreads.

Unsaturated fats/oils are generally found in plant foods such as seeds, grains, nuts, vegetables (for example, avocado) and fruit, and also in fish. They can be either polyunsaturated (as in sunflower, soya, corn, and sesame oils), or monounsaturated (for example, olive and rapeseed oils). Consuming unsaturated fats/oils instead of saturated fats can help to control cholesterol levels and reduce the risk of heart attack and stroke.

- trans-fats are not part of a healthy diet and should be avoided.
- e) total daily energy intake from free sugars of less than 10% (Box 2) (4)
 - equivalent to 50 g (or approximately 12 level teaspoons) for a person of healthy body weight
 - o for additional health benefits, less than 5% of total energy intake from free sugars is ideal.

Box 2: What are free sugars?

Free sugars are those added to foods such as cakes, cookies and sweets or drinks (for example, soda, sweetened milk, fruit juices). Free sugars are also naturally present in honey, syrups, fruit juices and fruit juice concentrates.

Insufficient physical activity

Insufficient physical activity is one of the leading risk factors for premature death worldwide. People who are insufficiently active are between 20% and 30% more likely to die prematurely than those who are sufficiently active. Insufficient physical activity is a key risk factor for CVD, cancer and diabetes.

What is physical activity?

WHO defines physical activity as any movement produced by the skeletal muscles of the human body that uses energy. It covers a range of bodily movements and activities of daily life, such as playing, working, walking, household chores and recreational activities. Physical activity includes exercise, a subcategory of physical activity that is planned, structured and repetitive, with the objective of improving or maintaining physical fitness. *(5)*

What are the benefits of physical activity?

Regular and adequate levels of physical activity help to reduce the risk of hypertension, heart attack, stroke, diabetes, various types of cancer (including breast and colon cancer) and depression. Physical activity also contributes to weight control, diabetes control, improved blood pressure and improved levels of cholesterol and other blood lipids. *(5)*

What are healthy levels of physical activity for adults?

Some physical activity is better than none. Inactive people can start with small amounts of physical activity (even as a part of their normal daily activities) and gradually increase duration, frequency and intensity. *(5)*

Adults should perform:

- at least 150 minutes of moderate physical activity (a mild increase in heart rate or breathing rate resulting from, for example, brisk walking, climbing stairs, dancing, gardening or doing household chores) spread throughout the week, or
- at least 75 minutes of vigorous physical activity (including vigorous gardening, running, fast cycling, fast swimming, or playing sport) spread throughout the week), or
- an equivalent combination of moderate and vigorous activity;
- muscle-strengthening activities involving major muscle groups on two or more days a week. (6)

For additional health benefits, moderately intense physical activity should be increased to 300 minutes per week, or equivalent. Those with reduced mobility should perform physical activity on three or more days per week in order to improve balance and prevent falls. These recommendations apply to all adults, including those with CVD and diabetes, unless there is a specific medical recommendation to the contrary. If the recommended regime of physical activity cannot be undertaken because of health constraints, it should be adapted as abilities and conditions allow. *(5)*

Tobacco use

Tobacco kills nearly half of its users and causes 6 million deaths every year. Ten per cent of these deaths are the result of inhaling secondhand smoke in homes, restaurants, offices or other enclosed spaces. *(7)*

What is tobacco use?

Tobacco can be smoked, sucked, chewed or sniffed. Tobacco products can generally be divided into two types:

- smoked tobacco (in cigarettes, cigars, pipes and water pipes)
- smokeless tobacco (in chewing tobacco and snuff).

All tobacco products contain the addictive substance nicotine that is absorbed into the bloodstream when a tobacco product is used.

Consequences for health

All tobacco products are harmful. Tobacco smoke contains at least 250 harmful chemicals, of which at least 69 are known to cause cancer. Tobacco use can damage every part of the body and is one of the main risk factors for CVD. It causes an estimated 10% of all CVD deaths. *(7)*

What are the benefits of quitting tobacco use?

Quitting is the best action tobacco users can take to improve their health. Quitting has immediate and long-term health benefits, including living up to 10 years longer.

a) Benefits to health (7)

Within a few months of quitting smoking, coughing and shortness of breath decrease. After a year of quitting, the risk of heart attack and angina is about half that of a smoker. Fifteen years after quitting, the risk of heart attack and angina is the same as that of a non-smoker. Additionally, quitting smoking after a heart attack reduces the chances of having another heart attack by 50%.

Quitting tobacco use reduces the likelihood of problems such as impotence, difficulties in getting pregnant, premature births, low birth weight and miscarriage. It also reduces the risk of childhood diseases related to secondhand smoke, such as asthma and middle-ear disease.

Other benefits of quitting smoking include: better ability to taste food, improved sense of smell, greater physical well-being, better performance in physical activities, and improved appearance, including reduced wrinkling/ageing of skin and whiter teeth. Quitting also improves the health of family members. Quitting tobacco use is also likely to slow progressive kidney function loss among those with chronic kidney disease.

b) Financial benefits (7)

At an individual level, there are substantial savings to be made on money previously spent on tobacco (see Figure 3). At a national level, potential health care costs (related to illnesses caused by tobacco) are prevented.

Figure 2: Calculation of money spent on tobacco



c) Social benefits (7)

Someone who quits tobacco use will find that their personal environment (home, car), clothing and breath will smell better. Their self-esteem is likely to increase and, as tobacco-free zones become accessible, social isolation they might have experienced will reduce. A person's productivity, too, will be greater as a result of quitting tobacco use, since smoking breaks will no longer be necessary. Once a parent has stopped smoking, their children become less likely to start the habit and more likely to quit if they smoke already.

Harmful use of alcohol

The harmful use of alcohol is a risk factor for CVD and has many negative health and social consequences. Harmful use of alcohol is a causal factor in more than 200 diseases and injuries. Beyond health consequences, the harmful use of alcohol brings significant social and economic losses to individuals and society at large. Like tobacco, alcohol can have a marked impact on the health of people other than the drinker. (8)

What is harmful use of alcohol?

Harmful use of alcohol, when defined as a public health problem, refers to "drinking that causes detrimental health and social consequences for the drinker, the people around the drinker and society at large, as well as patterns of drinking associated with increased risk of adverse health outcomes." (9)

Harmful use includes high-level drinking each day, as well as single or repeated episodes of drinking to intoxication.

The risks related to alcohol are linked to the pattern of drinking, the amount of alcohol consumed and, sometimes, the quality of the alcohol consumed. There is no definition for safe or non-harmful use of alcohol. However, individuals are generally considered to be at lower risk for negative consequences of alcohol use if they drink no more than two units of alcohol per day and do not drink on at least two days of the week. *(8, 9)*

The alcohol content of a drink depends on the strength (alcohol percentage) of what is consumed and the volume of the container. There are wide variations from country to country in the strength of alcoholic drinks and in the sizes of drinks served. Therefore, when providing health information on alcohol use, it is essential to define "a drink" according to what is most common in the local context. (9)

What are the risks of harmful use of alcohol?

High levels of alcohol consumption and regular heavy episodic drinking are clearly associated with increased risk of CVD, since harmful use of alcohol damages the heart muscle, increases the risk of stroke and can cause cardiac arrhythmia. There may also be an increased risk among light-to-moderate drinkers who have irregular heavy drinking episodes. Whilst low-level consumption without any episodes of heavy drinking may be associated with a reduced CVD risk in some cases, overall alcohol consumption is associated with multiple health risks that may outweigh potential benefits. *(9)*

Brief interventions in primary care have been shown to be useful in identifying and managing people with alcohol problems. *(10)* However, the 5As brief intervention on harmful use of alcohol in this module should be used only to screen for potential harmful use and to provide basic information to patients on the harmful effects of alcohol. Detailed guidance for alcohol problems is outside the scope of this module and requires further training and resources. Some tools and guidance are referenced below:

- ASSIST: The Alcohol, Smoking and Substance Involvement Screening Test. Manual for use in primary care. Geneva: World Health Organization; 2010 (http://www.who.int/substance_abuse/publications/assist/en/, accessed 31 March 2017)
- AUDIT: The Alcohol Use Disorders Identification Test. Guidelines for use in primary care. 2nd edition. Geneva: World Health Organization; 2001 (http://www.who.int/substance_abuse/activities/sbi/en, accessed 31 March 2017)
- Brief intervention for Hazardous and Harmful Drinking. A manual for use in primary care. Geneva: World Health Organization; 2001 (http://www.who.int/substance_abuse/publications/audit_sbi/en/, accessed 31 March 2017)

-2 Behaviour change

Understanding behaviour change

Reducing health risks may require changes to be made in some behaviours. Behaviour change is a complex issue and is not a one-off event but rather a set of different stages through which a person moves.

Behaviour change takes time, and different people go through the stages at various speeds. Some may remain indefinitely at one stage: for example, they may recognize and think they need to change but not be ready to make the change. Even though a person intends to start or maintain a new behaviour, for a range of reasons they may move back to an earlier stage. A relapse into an old behaviour can occur at any point and does not necessarily mean a failure to change. Many people who eventually adopt a new behaviour make several attempts before it is maintained over the long term. A person may feel disappointed, frustrated or tired, and relapse as a consequence. *(11)*

Understanding behaviour change is important for primary health care providers as they usually provide the first point of contact for patients accessing the health system. It is therefore necessary for the primary health care worker to assess and understand the different stages of readiness of the patient to make the required change in behaviour. This allows for more contextual, relevant and patient-centred counselling. Every visit or interaction with a healthcare provider is an opportunity for providing information and counselling on the risk factors, particularly for people with existing NCDs.

Counselling for behaviour change through brief interventions

Counselling can be described as professional guidance and support to help a person to solve a problem. Counselling for healthy lifestyles involves guiding and supporting patients toward making changes in certain behaviours to reduce the risk of heart attack, stroke and other conditions (diabetes, lung disease and cancer). A brief intervention is a short interaction of between three and 20 minutes between health worker and patient. It aims to identify a real or potential problem, provide information about it and then motivate and assist the patient to do something about it. A brief intervention involves two important aspects: how and what.

"How" refers to the communication style that the health worker uses to interact with the patient during the brief intervention. Communications techniques (Box 3) and motivational interviewing (Box 4) can be used as approaches to deliver the brief interventions.

Box 3: Communication techniques – "OARS"

- Open-ended questions
- Affirm
- Reflective listening
- Summarize

"What" refers to the structure of the counselling process and the content that should be covered during the brief intervention. An example of a brief intervention that can be used for healthy-lifestyle counselling is the 5As (see Section 3).

Motivational interviewing

Motivational interviewing is a style of talking with a person that can help in motivating them to change. In

Box 4: Key principles of motivational interviewing

- Don't tell the person what to do
- Listen and show empathy
- Help the patient see the gap between where they are and where they want to be
- Let the patient tell you they need to change
- Help the patient to feel confident about changing
- Roll with resistance

motivational interviewing, the counsellor does not try to convince the person to change, but instead guides them to reach conclusions themselves, and draws out the internal motivations unique to the person.

A central idea in motivational interviewing is that most people experience some ambivalence or mixed feelings about change. They have some reasons to change and also some reasons for staying the same, and may remain caught in the middle, unable to change. Motivational interviewing encourages people to explore these mixed feelings so that they can move toward positive change.

Boxes 3 and 4: Adapted from: Latchford G, Duff A. Motivational interviewing: a brief guide. Leeds: University of Leeds; 2010.

-3 Brief interventions to encourage behaviour change

General theory of the 5As brief interventions

Primary health care workers play an important role in helping patients to change their unhealthy behaviours and maintain healthy behaviours. Short interactions of between three and 20 minutes, called brief interventions, aim to identify a real or potential problem, provide information about it and motivate and assist the patient to do something about it. *(10, 12)*

The 5As is a tool used for brief interventions. It summarizes what a health worker can do to help someone who is ready to change. *(10, 12)* This can be integrated into regular visits by health providers of any level, either at community or facility level. Risk-factor counselling should be integrated with existing programme delivery at all levels of care.

Table 1 provides a general theoretical framework and further details on the 5As and how to use this tool. This framework can be adapted for each CVD behaviour risk factor, and samples are provided in Tables 2 to 5. (The sample for unhealthy diet focuses on fruit and vegetables, but can be expanded to include salt, fats and oils and sugars.)

Table 1: The 5As: General theoretical framework for how to do it

5As	What to say/do and how to say/do it							
Ask	 Ask the patient about the relevant risk factor(s) at every visit. Ask in a friendly way, without being judgmental. Keep the questions simple. Record the information in the patient's medical record/notes. 							
Advise	 Health workers have special authority because of their training. Patients usually respect this expertise. Provide information, key messages and advice in a clear, simple, and personalized manner. Link the advice to something that is relevant for the person. For example: a person with hypertension may be interested in the benefits of reducing salt intake people with young children may be concerned about the effects of secondhand smoke. 							
	Assess the patient's readiness to start making a change by asking two questions:1. Are you ready to have a diet that includes more healthy options? Be more physically active? Be a non-smoker? Be a lower-risk drinker?2. Do you think you will be able to make the change?							
Assess	Question 1YesNot sureNoAny answer in the shaded area indicates that the person is not yet ready to change. In this case, effort needs to be made to increaseQuestion 2YesNot sureNo							
	Answers in the white area suggest that you and the patient can move on to the next step.							
Assist	 Help the person to develop a plan that can increase the chance of success. Provide practical counselling that focuses on: provision of basic information about the risk factor identification of situations that could trigger relapse ways of coping with trigger situations. Provide social support including: providing encouragement communicating interest and concern encouraging the person to talk about the change process with family and friends. Provide and ensure availability of health education materials and details about additional resources, such as support groups, quit lines, etc. 							
Arrange	 Arrange a follow-up contact, by phone or in person. Discuss timing of follow-up with patients. At follow-up for all patients: identify problems already experienced as well as new ones that could arise remind them of the additional support that is available schedule next follow-up visit. Refer to specialist services if needed and available. For those who have made the planned changes: congratulate them on their success. For those who have challenges: remind them to view this as a learning experience review their circumstances and motivate them to re-commit link to more intensive support, if available. 							

Table 2: 5As brief intervention for a healthy diet – example fruit and vegetables

5As	Fruit and vegetables								
	Но	w many portions	s of fruit	and vegetables d	o you (eat each day?			
	1 p	ortion = 1 orang	e, apple	e, mango, banana	or 3 ta	ablespoons of cooked vegetables*.			
Ask	Provide local examples and equivalent serving sizes.								
	*P	otatoes, sweet pot	tatoes, ca	assava or other star	chy tube	ers or roots do not count as one of these portions.			
						▼			
	Eat	at least 5 portio	ons of fru	uit and vegetables	per da	ay.			
	Eat	a variety of fruit	s, veget	ables, legumes (le	entils, b	peans), nuts and whole grains (unprocessed maize,			
0						ots (potato, yam, taro or cassava) and foods from			
Advise		vantages:	at, 11511,	eggs and milk). P	lovide	iocai examples.			
Ac		•	of these	e foods everv dav	helps \	you to take in the right amounts of essential nutrients.			
	•	Eating enough h	nealthy f	ood helps to avoid	d unhe	althy foods that can lead to overweight and obesity, eart attack and stroke.			
	1.	Are you ready to	o make s	some changes to	vour di	et in order to include more healthy food options?			
				cceed in making t					
				5					
Assess		Question 1	Yes	Not sure	No	Any answer in the shaded area indicates that the person is not yet ready to change. In this case,			
As		Question 2	Yes	Not sure	No	effort needs to be made to increase motivation for change.			
	Ans	wers in the whit	e area s	uddest that you a	nd the	patient can move on to the next step.			
					,	▼			
	Hel	p the patient to	set goal	s and make a plar	n to sta	art introducing some changes to their eating habits.			
			-	-		and healthier choices. For example:			
		Avoid deep fried							
	• Eat fresh vegetables and fruit that are in season. Have fresh fruit available and in plain sight.								
st	Engage the patient in the conversation and allow time for them to share ideas:Can you think of ways to increase the amount of fruit and vegetable you eat every day?								
• Can you think of healthier types of food that you enjoy and that you could eat instead of the						enjoy and that you could eat instead of the less-			
	healthy option? Provide social support:								
	 Invite the patient to bring family members to the next visit in order to discuss healthier diet options for 								
		the whole family Provide health a		tion education ma	terials				
					liconalo	▼			
	Ref	er to specialist s	support	services (dietician	. nutriti	ionist) if needed and available			
				-		edule the next appointment.			
		about success							
	For	those of have n	hade the	e planned changes	s to the	ir eating habits:			
Arrange	•	Congratulate the	em on th	neir success.					
Arra		those experience	-	-					
						xperience and that it takes time to establish new habits challenges and encourage recommitment to their plan.			
	Linl		nsive su	pport, if available.		nd all patients of any additional support and			

Table 3: 5As brief intervention to increase physical activity

5As	Physical activity						
Ask	In the past week, on how many days have you been physically active for a total of 30 minutes or more? For example: walking, cycling, cleaning, gardening, climbing stairs, dancing or playing sport. Adapt examples to local context.						
Advise	 All adults should do at least 2½ hours (150 minutes) of physical activity per week. This can be spread over short sessions throughout the day and week, starting from as little as 10 minutes per session. Being more active can start in small ways which are part of daily life. This can include going for a walk, playing with children, gardening and domestic chores. Adapt examples to local context. Advantages of physical activity: Reduces the risk of heart attack and stroke or of developing hypertension, diabetes and cancer Can help to control blood pressure, cholesterol and diabetes Helps with weight loss and weight control Helps to prevent and manage depression. 						
SS		Do you think yo	u will be		in incre	ve? easing your activity levels? Any answer in the shaded area indicates that the	
Assess		Question 1 Question 2	Yes Yes	Not sure	No No	person is not yet ready to change. In this case, effort needs to be made to increase motivation for change.	
		Answers in the w	/hite are	a suggest that yo	u and t	he patient can move on to the next step.	
Assist	Pro • • •	vide practical co Help the patient levels. Help to identify Help to identify Provide social s Encourage the p activity levels. Provide health e These could inc Adapt to local c	ounsellin to ident activities possible upport. patient to educatio lude cor ontext.	ig. tify areas of their of s that they would e challenges and s o talk with family, n materials and in ntact details for or	daily life enjoy c sugges friends format ganiza	t how to overcome them. and work colleagues about their efforts to increase ion on additional resources. tions such as walking groups and activity clubs	
Arrange	Adapt to local context. Provide (if available) or advise on devices to help motivate or monitor activity e.g. a pedometer.						

Table 4: 5As brief intervention to quit tobacco (12)

5As	Торассо								
	the			any other tobacco ample, cigarettes		ct in ling home-made), cigars, pi	pe, wate Yes	er-pipe, chewing No	
	Do	you currently sm	Yes	No					
Ask	Does anyone smoke around you at home or at work, or do you often go to places where there is a lot of smoke such as restaurants or bars?							No	
	lf N	o to all these que	estions:						
	• ,	Advise not to sta	art tobad	cco use smoke an	d to av	void secondhand exposure			
		es to any questic							
	• ,	Advise on risks (of expos	sure to secondhar	nd ,	•			
						•			
	Qui	tting tobacco is	the mo	st important thing	g you o	can do to protect your hea	Ith now	and in the future.	
e		/antages:							
Advise		Tobacco use is a cancers.	a major	cause of heart att	ack an	d stroke, of serious lung pr	oblems a	and certain	
Ā	•	Tobacco can da		very part of the bo					
	•	Secondhand sm	ioke dar	mages the health	of your	family and others around y	/ou.		
	1.	Are you intereste	ed in qu	itting tobacco use	? ?				
	2.	Do you think you	u will su	cceed in quitting?	•				
		Question 1	Yes	Not sure	No	Any answer in the shaded	d area ind	dicates that the	
Assess			ies	NOL SUIE	INO	person is not yet ready to effort needs to be made t	change	. In this case,	
As		Question 2	Yes	Not sure	No	motivation for change.	o increa:	se	
	And	were in the whit	o aroa s	uggest that you a	nd the	patient can move on to the	novt sta		
	Alls		e alea s	aggest that you a			TIEXL SI	ε μ .	
						•			
	Hel	p the patient to o	develop	a quit plan using	the ST	AR method:			
		Set a quit date,	ideally	within 2 weeks.					
		Tell family and	friends a	about quitting and	l ask fo	or support.			
		Anticipate chall	enges i	n the quit attempt					
		Remove tobacc	co produ	ucts from persona	l enviro	onment and make home sm	noke-free	9.	
	Pro	vide practical co	ounsellin	ig:					
st				on about tobacco			مناطا اسم	ence the viels of	
 Help the patient to identify situations (e.g. feelings, places, activities) that could increase smoking or relapse. 							ease the risk of		
~									
		vide social supp							
				in the quit attemp talk about the q		howing care and concern. process.			
		vide health educ		-	-	on additional resources, e.	g. suppo	rt groups, quit	
	Rec	commend the us	e of me	dications if indica	ted and	d available, e.g. nicotine rep	olacemei	nt therapy.	
						•			

5As	Торассо
5As Arrange	Tobacco Refer to specialist support services if needed and available. Follow-up: • Decide the timeline and method and schedule the next appointment. • Ask about successes and challenges. For those who have quit: • Congratulate them on their success. For those who have used tobacco again: • Remind them to view any failures as a learning experience. • Review circumstances and encourage them to recommit to quitting. • Link with more intensive support if available. For all patients:
	 Identify problems and discuss ways to address them. Remind them of additional support and resources that are available. Assess use of medications and any problems experienced.

Please also refer to the WHO publication *Strengthening health systems for treating tobacco dependence in primary care. Part III: Training for primary care providers: Brief tobacco interventions*, listed in Selected further reading.

Table 5: 5As brief intervention to screen for harmful use of alcohol

5As	Alcohol
Ask	Do you ever drink alcohol? Yes No If Yes: • How often do you have an alcoholic drink? • How many alcoholic drinks do you have on a usual day when you are drinking?
Advise	 For people drinking fewer than 2 units (according to local drink strengths and commonly available sizes) per day and drinking on 5 or fewer days per week, inform them of the following: Use of alcohol can increase the risk of having a heart attack or stroke. It also increases the risks of getting certain cancers and can cause damage to other parts of the body. Overall, the best way to avoid the health risks of alcohol use is to abstain. If you do drink alcohol, keep in mind that "less is better". Avoid having more than two units on any single day and do not drink any alcohol on at least two days per week. Do not drink alcohol for "health" reasons. Do not use alcohol when you are: o driving o operating machinery o pregnant or breastfeeding o taking medications that interact with alcohol. living with medical conditions that are made worse by alcohol having difficulties controlling how much you drink.
Assess	 For people who drink two or more units per day, who drink on more than five days per week and/or have any indication that alcohol could potentially be a problem, say: "Your drinking habits could be harmful to your health. May I ask you a few more questions to have a better idea of the possible risks?"
Assist and Arrange	 If No: Give brief advice. End the discussion positively by saying, "This can be a difficult issue to discuss but I am here to help you." Provide health education materials and information about additional resources such as help lines, counselling, support groups. At the next visit, repeat the brief intervention. If Yes: Give brief advice and refer for further counselling and tests (for which further training, tools and resources are required). See AUDIT test (link below). The score will determine next steps.

-4 Next steps

The theoretical information on the four risk factors (unhealthy diet, physical inactivity, tobacco use and harmful use of alcohol) has been provided. Similarly, the theory on behaviour change and sample frameworks using the 5As brief interventions has also been presented. The next step will entail adaptation of this information and frameworks to support local implementation.

This should be done in the country by relevant working groups who are knowledgeable about the topic, country dynamics, culture, locally appropriate languages as well as what has worked in other similar areas of health.

A variety of supporting materials can be developed at the local level including but not limited to:

- job aids
- flip charts
- patient information leaflets
- posters
- mobile apps

Examples of these materials are provided in the Annex.

Annex: Material supporting healthy lifestyles

Examples from Healthy lifestyles for patients with hypertension (13)













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For more information

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