NCD screening programme in Sri Lanka

Dr Sinha De Silva

Senior Registrar- NCD unit

- This is executed through the Healthy Lifestyle Centers located in healthcare institutes
- Established in 2011 1010 institutional HLC s
- To address the lack of a structured noncommunicable disease (NCD) screening service through the lowest level of primary health-care institutions
- Objective of the HLCs is to reduce the risk of NCDs of people more than 35-year old by detecting risk factors early and improving access to specialized care for those with a higher risk of cardiovascular disease (CVD)

Eligibility Criteria

2 categories

- Any person 35 years and above
- Persons between the age 20-35 years
 - Smoking during the last one year
 - Overweight (waist circumference-male >90cm, female>80cm or BMI.25kg/m2)
 - Raised BP (>140/90mmHg in individuals with or without diabetes)
 - Symptoms suggestive of Diabetes mellitus
 - History of premature cardiovascular disease in first degree relatives (male relative <55years, female relative <65years
 - History of diabetes in first degree relatives
 - Familial dyslipidemia

HLC - RECRUITMENT

- 1. Opportunistic screening -OPD visits
- 2. Self referral following community empowerment
- 3. Through appointment by public health staff (PHM, PHI) and health volunteers

Circulars and Guidelines issued by the directorate of NCD

- Circular No. 02-25/2013 (Establishing HLC -guidelines)
- II. Circular No.01-66/2017(Essential drug list)
- III. Circular No.01-68/2017 (Annual screening of Health workers)
- IV. Circular No.01-46/2019(Revised HLC guidelines)
- V. "A Comprehensive Note for Healthy Lifestyle Centers"
- VI. Management guidelines for health care providers

Healthy lifestyle center-guidelines for primary care providers

Management of Diabetes Mellitus

Cardiovascular Risk Management

Management of Overweight and Obesity

Management of Hyperlipideamia

Management of Chronic Respiratory Diseases



HLC Clinic sessions

- At least once a week
- with the participation of at least 20 clients per session
- If resources permit, from Monday to Saturday.
- The duration can be extended up to 6pm and/or open on PH (To improve the male participation and to capture the working population),
- Conducted by MO/RMO
- PHNO/Nursing Officers, PHMM, supporting staff and volunteers may provide support to carry out clinic activities.



HLC location

- in a designated place in the Primary Health Care institution
- easily accessible to the clients
- closer to the OPD.
- Congestion at the OPD should not disturb the activities of the HLC.
- There should be a name board with adequate description.



HLC space

There should be minimum of 2 rooms.

- One room can be used for examination and individual counselling
- other for group discussions

Adequate lighting (electricity), ventilation, water supply and toilet facilities should be available.





HLC Guide

Topic	Requirement	Remarks
1. Location	Primary Health Care Institution	 ✓ Designated place ✓ Easily accessible/closer to the OPD. ✓ Separate spaces for individual consultation Group education
2. Frequency	At least once a week	If resources available; • More frequent clinics • Open on PH • Conduct after working hours (to capture working and male population)
3. Minimum participation	At least 20 clients per session	







HLC Guide

lopic	Requirement	Kemarks
4. Name Board	Should be displayed at entrance	Information on services provided (Sample of the design available)
5. Equipment	 Included in the HLC Guide Glucometer and strips; Cholesterol meter and strips BP apparatus Weighing scale & Height measuring equipment Peak flow meter Snellen charts Tuning Folks Equipment for health education (Television /DVD Player/USB/Videos etc) 	





Healthy lifestyle center-functions

Screening for NCD

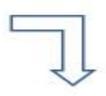
Management

Follow up









Oriantation

Registration





Checking -FBS

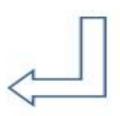


Risk analysis





Measuring BMI



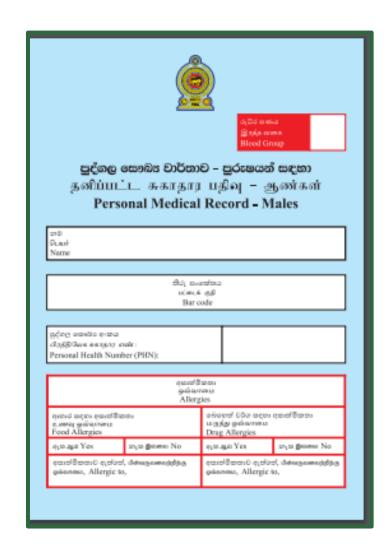
Functions of HLC & the staff

- 1. Health Education and Orientation
- 2. Registration and Issuing of PMR (Personal Medical Record)
- 3. Screening for common NCDs and risk factors
- 4. Cardiovascular Risk Assessment
- 5. Lifestyle modification counseling/Interventions
- 6. Appropriate Referral
- 7. Health Promotion Activities
- 8. Follow up

Screening for Main NCDs

- Hypertension
- Diabetes Mellitus
- Hyperlipideamia
- Obesity
- Cardiovascular disease risk

Personal Health Record





1. Registration and issue PMR (personal medical record)

- Issued to those aged 35 years and above
- •Clients are expected to produce this at all encounters with a doctor.
- •Space to record all medical conditions of importance for follow-up of the client.





HIMS Software online

CLINICAL ASSESSMENTS

Risk Behaviours

Smoking

Use of Alcohol

Unhealthy Diet

Physical Activity



CLINICAL ASSESSMENTS

Clinical Assessmnets

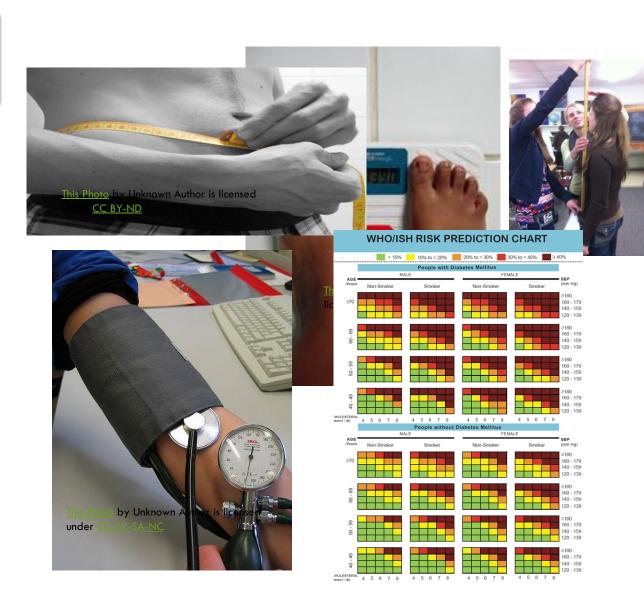
BMI Assessment

Waist Circumference, Waist to Height ratio

Blood Pressure

Cardiovascular Risk Assessment

Others: Visual Acuity, Hearing, Peak Expiratory Flow Rate



BLOOD INVESTIGATIONS

Blood Investigations

Fasting blood sugar

Random blood sugar

Total blood cholesterol



Serum Creatinine (If available)

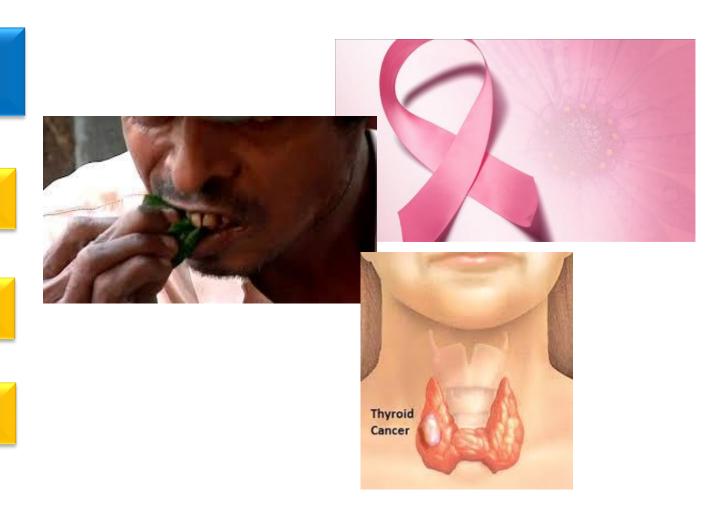
CLINICAL ASSESSMENTS

Clinical Assessmnets

Oral Examination for oral cancer

Breast Examination for breast cancer

Pap Smear Referral for cervical cancer



2. Screening

Behavioral Risk factors	Intermediate risk factors	Other
 Unhealthy diet (salt, sat fat, lack of fruit & veg) 	Elevated Blood Pressure (Blood Pressure)	 Premalignancies Oral /Thyroid/Breast examination
 Physical inactivity/Sedentary lifestyle 	Raised Blood Sugar (Fasting/random capillary blood sugar)	• Vision
Smoking	Dyslipidemia (capillary total cholesterol)	Hearing
Harmful drinking of alcohol	 Over weight and Obesity (Height/Weight, BMI, Waist circumference) 	
Cardiovascular risk (CVD) using WHO ISH Chart		Chart

Screening

Behavioral Risk factors	Remarks
Physical inactivity/Sedentary lifestyle	Not involved in moderate or vigorous intensity activities throughout the week
	Moderate intensity activities: At least 150 minutes of (e.g. Brisk walking, dancing, gardening, household and domestic chores, cycling, etc.)
	Vigorous physical activities: At least 75 minutes of (e.g. running, walking, fast cycling, Aerobics, fast swimming, etc.)
• Smoking	Current smokers (cigarette, cigar, pipes, beedi, shisha, Hookha) Use the content of the
	ii. Qui sinoking less man a year before me assessment
Betel Chewing	Betel chewer (with tobacco or arecanut)
	I. All current betel chewersII. Quit chewing less than a year before the assessment
	ii. Qui chewing less man a year before me assessment
Other tobacco or arecanut products	I. Snuffing, thul, Babul, paan masala, gutkha etc users
	II. Quit less than a year before the assessment
Alcohol Consumption	I. Current alcohol consumers
	II. Quit alcohol consumption less than a year before the assessment

LIFESTYLE MODIFICATIONS

Focuses on 11 areas considered important for lifestyle modification

Stop smoking

Stop alcohol use

Maintain adequate BMI

Engage in regular physical activity

5 servings of fruits and vegetables per day

Restrict sugar consumption

Minimize consumption of foods with transfatty acids

Promote mental health

Know your health status

Adherence to management regimen

Restrict added salt consumption to one teaspoon per person per day

Healthy lifestyle center-documents

- 1. Circulars and other guidelines
- 2. Guidelines for primary Health Care providers (Cardiovascular including WHO/ISH risk prediction chart, Diabetes Mellitus, Overweight and Obesity, Hyperlipideamia)
- 3. Personal Health Records
- 4. Participants register with page summary
- 5. Monthly Summary of HLC Activities
- 6. Posters depicting the common NCD risk factors, flip charts

Monitoring and evaluation

Healthy Lifestyle Programme should be monitored and evaluated at District and National level.

Information management is carried out based on the following registers, records and returns

- Participant's register in HLC (H 1236)
- Follow up Register (H 1237)
- Monthly Report of Activities done for NCD screening (H 1239)
- Monthly summary of the screening activities done in the district (H 1240)
- Quarterly Summary of the screening activities done in the district (H1241)

Supervision

Timely sending of monthly return to MO/NCD

Supervision performed by MO NCD, RDHS and officials at National level.

Visitors record book should be available and supervising officer should conduct the supervision 6 per month

Referral

Timely referring to the following clinics need to be done according to the guidelines provided

- Medical Clinic in the Institution
- Specialist Clinic
- Healthy Lifestyle Center
- Well women clinic
- Dental Clinic

Health promotion

Interventions targeting the risk factors
Innovative programs

Community mobilization

Eg:

Tobacco free zones

Regular Yoga/Physical exercise classes

Promoting Healthy lifestyles



Follow up

- Routine screening of clients (Frequency according to the guidelines provided)
- •Following up of clients referred to medical and specialized care
- Following up of clients with risk factors for behavioral modifications

HLC Data

- Maintain a database of all health institutions –with HLC - geographical, HRH
- HLC software
- Supervision tool (monthly) for (MONCD)
- Monthly/Quarterly Return -monitor coverage/quality of services provided through the KPI



Quarterly NCD Report

A publication of the Oratopic Management and Information U.S. Management of the Communication Phonon U.S. Miletary of Harliff Statistics & Indigenous Markins No. 168, No. Satisparas Windowson Transitionalis, Children W. Satisparas Windowson Transitionalis,



2" Countries 200

Description of the Sim Communicates Descriptions in Milante

The Non-Communicatio Disease Unit (NCS), of the Ministry of NewHo, Notifice and Indigenous Medicine, was established in 1995 order Cognostry Control (Sealers) (Indigenous Cognostry Control (Medicine Cognostry) in plan, implement, and montion and molecular the national processing and model program to address the increasing furnished FIGEs. The high backing of the INCS hampen the health option effecting the series accounts deadleyment of the monthly.

in 2003, the Empiric Director General of Non-Communication Diseases (2005/NCE) was appointed and NCD Remote was artistiched expending the human measurem and the formatic directions hand on the population read. The Victimal Policy and Bridge formation the Presention and Control of Noncommunication Diseases' was been feel to 2018 with a delice of a 'exacting that is not increased with a delice of a 'exacting that is not increased with a delice of a 'exacting that is not increased with a delice of a 'exacting that is not increased with a delice of a 'exacting that is not increased."

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Discuss (MD/MCD) attached to the Regional (Identity) Discusses on the MD Continue under the galacters of Regional Consultant Community Physicians. An exceed tendigated may be MD william to allocated for implementation of the Visitines of McDassack (MD as Plan for the Proportion and Control of MCDa 2006). 2007 which had been described in reconstration with health and constraint interface, Nov. government in regulations and US corporations.

In the year 2018, with the books of the finity on Positions of Colorum for Uniternal Resides Courses; (JRC), the Ministry of Pasith has below initiative for through books; are position of Primary South new services foreign on NCDs, with disabeling of primary lead froughts (PACA and DM) or an agent secondary furthery. Seed fourth techniques for histographic management of NCDs and the further of the promision.

Dr. Vindya Kamangadi Disertor (Non-Communicatio Diseased)

Health Message: "Greening SACT consumption is a provided within which can use there".

"God your self-consumption to 6 g per day".

HLC: Training

Training to all MOIC/MO:

- on screening and management of NCD:
 - Guidelines (booklets) on management of: CVD, HT, DM,
 Obesity/overweight, Dyslipidaemia, Chronic Respiratory Disease
 - On-line training module (PSSP)

DIRECTORATE OF NCD WILL PROVIDE:

- 1. Technical guidance to establish HLC (through MONCD)
- 2. Training to all MO on screening and management of NCD with
- 3. Provide –PMR, Registers and returns, Health Education material
- 4. Review supervision tool (monthly)
- 5. Feedback based on Quarterly/annual reports on coverage and quality
- National level evaluation and rewarding

THANK YOU

