

GEORGIA

May 2020 | Noncommunicable Diseases Integrated Prevention and Control Programme

www.euro.who.int

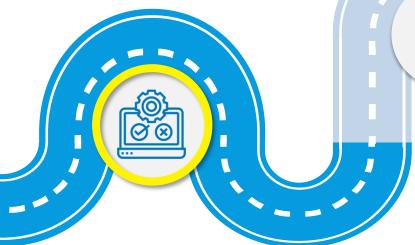


Overview of process

Feasibility testing

May-mid-June 2020

Assessing the feasibility of applying toolkit using routine clinical data from select primary health care facilities



Stock-taking & planning

End-June 2020

Exploring additional funding for wider roll-out and further synergies of plans with reform implementation

Possible wider roll-out July 2020 – June 2021 *



Aim

To pursue alignment with ongoing reforms in Georgia towards UHC for an evidence-based approach to a revised scope of PHC in NCDs management and the use of clinical quality optimization mechanisms

* Subject to confirmation of funds



Current phase: Feasibility testing Stages and outputs

Starting-up mid-May

Data collected, standardized, anonymized and formatted for analysis and interpretation Analysing, interpreting and reporting mid-June

Draft proposal for a scaled-up initiative

1 ____

Training & reviewing clinical records end-May

Draft report of findings; list and baseline of possible indicators for clinical quality optimization in the management of diabetes and hypertension.

Scaling-up end-June

Tailored protocol for the feasibility intervention with timeline, resources needed, sampling framework (e.g. family doctors, specialists), adapted technical guide (e.g. type of records, years, etc.).





16.7%....

probability of premature mortality (30-70 years) on average caused by four main NCDs within the WHO European Region^(a)

34.9%....

probability of NCD premature mortality for men in Georgia; 15.9% for women in 2016^(a)

CVDs....

are the main driver of inequality in NCD premature mortality among $\mathsf{males}^{(\mathsf{a})}$

45/100....

on UHC index for NCD component in 2017 for Georgia, with overall service coverage score of 66(b)



Purpose of Toolkit

Leveraging routine clinical data for clinical optimization of essential NCD-services in PHC

What

A free, open-source, standardized data collection methodology for use to assess essential CVD interventions in PHC using routine clinical data.

How

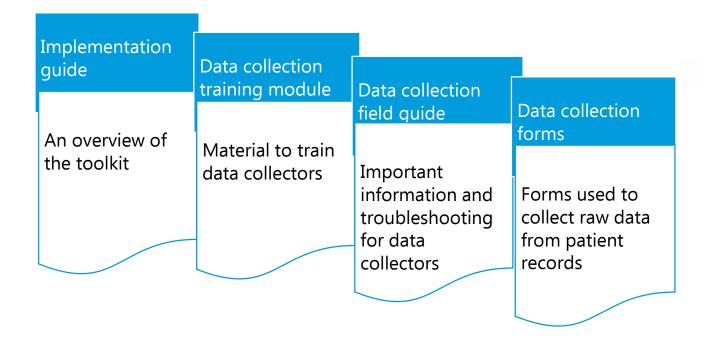
Data can be extracted from range of medical health record infrastructure (i.e. from paper-based records to electronic health records).

Where

The toolkit has been tested in other settings, including in health facilities with no internet or cell service coverage using paper-based data extraction forms.



Toolkit components





Data collection process

PHC medical records



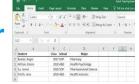
Data collection

Form for manual data collection





Computer

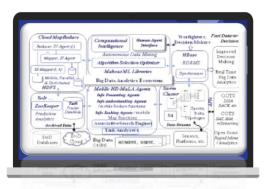




Mobile phone



Data analysis



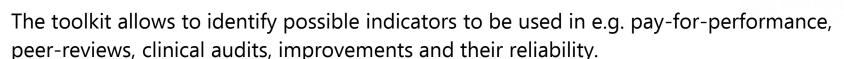






Example Indicators

Tailoring selection of indicators in alignment with UHC reform agenda



Examples of indicators

- ◆ Patients over 40 years with a CVD risk assessment
- ◆ High risk CVD patients prescribed a statin
- Hypertensive patients prescribed blood-pressure lowering medication
- Hypertensive patients on drug treatment who achieve blood pressure control
- Patients with diabetes receiving treatment
- Patients with diabetes who achieve glycemic control



Main activities and deliverables

Starting-up

This includes seeking clearance from the Ministry of Health; engaging with senior staff of the primary health care Training Centre, Tbilisi and obtaining ethical review and approval according to local practice.

Deliverables: tailored protocol for the feasibility intervention with timeline, resources needed, sampling framework (e.g. family doctors, specialists), adapted technical guide (e.g. type of records, years, etc.).

Deadline: mid-May.

World Health Organization REGIONAL OFFICE FOR Europe

Main activities and deliverables

Training and reviewing clinical records^[1]

This includes training data collectors at-distance; reviewing routine clinical records and determine quality of care with at-distance support.

Deliverables: data collected, standardized, anonymized and formatted for analysis and interpretation.

Deadline: end-May.

[1] A team of six people could collect data on 160 records each day.

World Health Organization REGIONAL OFFICE FOR Europe

Main activities and deliverables

Analysing, interpreting and reporting

This includes creating summary tables; interpreting findings in terms of methods, procedures and clinical considerations; developing a narrative for the results and possible implications and use in a scaled-up intervention.

Deliverables: draft report of findings; list and baseline of possible indicators for clinical quality optimization in the management of diabetes and hypertension.

Deadline: mid-June.



Main activities and deliverables

Scaling-up

This includes strategic dialogue in relation to the scaling-up of this feasibility intervention; its contribution to the ongoing reforms; linking with other partners and stakeholders; joint interventions and future funding.

Deliverables: draft proposal for a scaled-up initiative.

Deadline: end-June.

Examples of country applications to-date

BMJ Open Protocol for the evaluation of a pilot implementation of essential interventions for the prevention of cardiovascular diseases in primary healthcare in the Republic of Moldova

> Dylan Collins, 1 Angela Ciobanu, 2 Tiina Laatikainen, 3 Ghenadie Curocichin, 2 Virginia Salaru,2 Tatiana Zatic,2 Angela Anisei,2 Jill Farrington4

ner is available online

Description National Institute for

Health and Welfare, Helsinki,

Introduction Nearly 90% of all deaths in the Republic

of Moldova are caused by non-communicable diseases, the majority of which (55%) are caused by cardiovascular diseases (CVD). In addition to reducing premature mortality from CVD, it is estimated that strengthening primary healthcare could cut the number of hypertension-related hospital admissions and diabetes-related hospitalisations in half. The aim of this evaluation is to determine the feasibility of implementing and evaluating essential interventions for the prevention of CVD in primary healthcare in the

oldova, with a view towards national national experts will be convened to ckage of Essential NCD Intervention althcare in Low Resource Settings d 2 to the health system of the lova, develop and conduct training althcare workers and test a core set of onitor the quality of care and change tice. To evaluate the impact of this ntation, a pragmatic, sequential mixed matory design, composed of quantitative e strands of equal weight, will be used v healthcare centres will be selected ed to the training and implementation d the usual care arm (n=10). At baseline s follow-up, a standardised data will be piloted to extract data directly aper records in order to estimate the ical practice. Semi-structured interviews peer workshops will be conducted at

w-up, and qualitative data collected from these formats will be analysed thematically for explanatory themes that relate to the quantitative

Ethics and dissemination Ethical review and approval has been obtained. Findings of the evaluation will be shared in a project report to key stakeholders,

Strengths and limitations of this study

► To our knowledg adapting and pilot nicable disease core in a low-inand provides a i

- jurisdictions A mixed methods standing of the por implementation as
- tems developmen Primary healthcar different regions of der to pilot imple throughout the cou Since this is an evthe sample size
- statistical power. ► We are unable to
- experience in the

INTRODUCTION (NCDs) account f

the global burden mated 41 million d which nearly half y diseases (CVD).2 I play an importan early detection a ment of these disea

primary healthcare To support natio their commitments NCDs, as agreed ir ical Declaration or

Assembly endorsed

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Implementing Package of Essential Non-communicable Disease Interventions in the Republic of Moldova—a feasibility study

REGIONAL OFFICE FOR EUROPE

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- Chisinau, Republic of Moldova
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Background: The aim of this study is to determine the feasibility of implementing and evaluating the World Health Organization Package of Essential Non-communicable Disease Interventions (WHO PEN) approach in primary healthcare in the Republic of Moldova. Methods: According to our published a priori methods. 20 primary care clinics were randomized to 10 intervention and 10 control clinics. The intervention consisted of implement tation of adapted WHO PEN guidelines and structured training for health workers; the control clinics continued with usual care. Data were gathered from paper-based patient records in July 2017 and August 2018 resulting in a total of 1174 and 995 patients in intervention and control clinics at baseline and 1329 and 1256 at follow-up. Pre defined indicators describing assessment of risk factors and total cardiovascular risk, prescribing medications and treatment outcomes were calculated. Differences between baseline and follow-up as well as between intervention and control clinics were calculated using logistic and linear regression models and by assessing interaction Results: Improvements were seen in recording smoking status, activity to measure HbA1c among diabetes ents and achieving control in hypertension treatment. Improvement was also seen in identification of patients with hypertension or diabetes. Less improvement or even deterioration was seen in assessing total risk or prescribing statins for high-risk patients. Conclusions: It is feasible to evaluate the quality and management of patients with non-communicable diseases in low-resource settings from routine data. Modest improvements in risk factor identification and management can be achieved in a relatively short period of time.

"It is feasible to evaluate the quality and management of patients with NCDs in lowresource settings from routine data. Modest improvements in risk factor identification and management can be achieved in a relatively short period of time."

Non-communicable diseases (NCDs) are a major and an increas-ling challenge in many low- and middle-income countries (LMIC). In 2016, up to 85% of premature deaths due to NCDs occurred in LMICs. The Republic of Moldova is an LMIC in the European Region of the WHO. In the Republic of Moldova in 2016, the probability of dying prematurely from NCDs was 25% with the rate almost twice as high for men (34%) compared with women (17%).2 The rates of NCD risk factors in the Republic of Moldova, especially smoking and alcohol use, are among the highest in the WHO European Region. Also blood pressure levels are high and the management of blood pressure has not developed following the gains in Western and Central Europe

In the WHO European Region, Member States with the highest cardiovascular disease (CVD) burden tend also to have the weakest and lowest resourced health systems with underdeveloped primary healthcare (PHC).4 Lack of workforce and resources, variable

clinical competences, lack of PHC oriented clinical guidelines, underutilized possibilities of task sharing between professionals and non-existent clinical auditing and development processes re duce the engagement of PHC professionals.

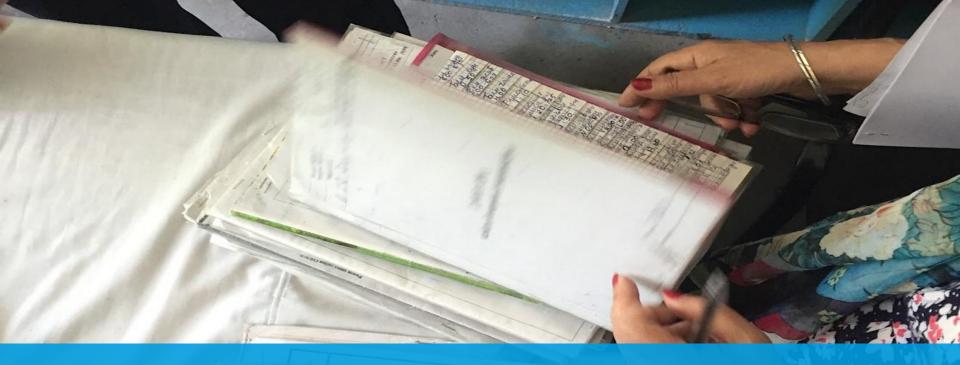
The WHO has developed a conceptual framework for a Package of Essential NCD Interventions (WHO PEN) for strengthening efficiency and equity of PHC in low-resource settings. WHO is providing technical support to Ministries of Health to adapt the clinical protocols to PHC. In addition to efficient screening of risk factors and morbidity, a nimum set of interventions should be accessible in PHC.5

Data on quality of care in PHC level from low-resource settings have so far been missing. The aim of this study is to present the findings of a feasibility study carried out in the Republic of Moldova to evaluate the 1-year results of the pilot implementation of WHO PEN between 2017 and 2018 comparing the pilot PHC clinics with control clinics. Through this feasibility study also further knowledge on processes and health value of PHC in the Republic of Moldova in general is achieved.

"The aim of this evaluation is to determine the feasibility of

implementing and evaluating essential interventions for the

prevention of CVD in primary healthcare in the Republic of Moldova"



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