

Estonia - Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021

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Identification

SURVEY ID NUMBER

EST_2021_ECMIE_v01_M

TITLE

Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021

ABBREVIATION OR ACRONYM

ECMIE 2021

COUNTRY/ECONOMY

Name	Country code
Estonia	EST

ABSTRACT

Enhanced Care Management (ECM) was an impact evaluation project implemented by DIME team, in cooperation with the Estonian Health Insurance Fund (EHIF) in Estonia between 2021 and 2023. A key part of the intervention was creation of personalized care plans by doctors, in consultation with their patients. Since they formed the key part of the intervention it was of paramount importance to assess whether they contained some essential features and were tailored to patient's individual needs.

The following data pertains to the scoring of the care plans created by coordinators trained to administer the ECM program and introduce it to the participating doctors. The coordinators assessed 5 care plans, selected at random from each participating doctor. Each existing care plan was assessed across 6 dimensions, scored on 1-5 scale (as per the questionnaire), plus an open field for the coordinators to leave any comments. If a pre-selected care plan did not exist, the B0 survey question would reflect that. The evaluations happened during one of the coordinators' visits to the participating doctors and their teams, timed to coincide with the completion of most care plans.

The purpose of the evaluations was principally to assess whether the intervention was implemented as intended. The collected scores were also used as conditioning variable in one of the robustness checks in the paper based on this impact evaluation.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Healthcare plan

Version

VERSION DESCRIPTION

Edited, anonymized dataset for public distribution.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Daniel Rogger	World Bank

Sampling

SAMPLING PROCEDURE

Each of the participating doctors was visited by a coordinator during the duration of the program. During one of those visits taking place after care plans creation, the coordinator was asked to set aside an extra half an hour to conduct care plan evaluation. They opened a pre-prepared online form, filled out the list ID (doctor identifier) and the form automatically generated 5 random numbers between 1 and 25 (maximum number of ECM patients and therefore care plans per doctor). After confirming with a doctor which of those care plans actually exist, the coordinator received printed version of the plans and, alone, scored them using 6 Likert style questions pertaining to plans' contents and completeness (see the questionnaire for details), plus an optional 'comments' question at the end. After evaluation was completed, the care plans were returned to the clinic team for destruction or archiving.

RESPONSE RATE

The response rate was 100%

Data collection

DATES OF DATA COLLECTION

Start	End
2021-09-30	2022-06-01

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The uploaded files contain the evaluation of the healthcare plans prepared by the doctors taking part in the ECM program.

ECM Evaluation of the care plans.dta - contains healthcare provider (GP) list id, which can be linked with the care plans evaluations using 'link_id' column.

ECM Evaluation of the care plans-b.dta - contains responses to the questions about the care plans, filled out by trained external consultants.

Access policy

CONFIDENTIALITY

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Daniel Rogger (World Bank). Estonia - Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021 (ECMIE 2021). Ref: EST_2021_ECMIE_v01_M. Downloaded from [uri] on [date].

Disclaimer and copyrights

DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Metadata production

DDI DOCUMENT ID

DDI_EST_2021_ECMIE_v01_M_WB

PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	World Bank	Documentation of the study

DATE OF METADATA PRODUCTION

2024-12-20

DDI DOCUMENT VERSION

Version 01 (2024-12-20)

Data Dictionary

Data file	Cases	Variables
ecm_evaluation_of_the_care_plans ECM Evaluation of the care plans.dta - contains healthcare provider (GP) list id, which can be linked with the care plans evaluations using link_id column.	77	2
ecm_evaluation_of_the_care_plans_b ECM Evaluation of the care plans-b - contains responses to the questions about the care plans, filled out by trained external consultants.	385	9

Data file: ecm_evaluation_of_the_care_plans

ECM Evaluation of the care plans.dta - contains healthcare provider (GP) list id, which can be linked with the care plans evaluations using link_id column.

Cases: 77

Variables: 2

Variables

ID	Name	Label	Question
V1	a2	GP list ID [anonymized]	
V2	link_id	Linking variable	

Total: 2

Data file: ecm_evaluation_of_the_care_plans_b

ECM Evaluation of the care plans-b - contains responses to the questions about the care plans, filled out by trained external consultants.

Cases: 385

Variables: 9

Variables

ID	Name	Label	Question
V3	b0	Is this care plan #\${careplan_num} available?	
V4	b0_r	Enter the careplan number you will evaluate in place of care plan #\${careplan_num}	
V5	b1	Overall, are all mandatory fields of the care plan filled with relevant information?	
V6	b2	Does the care plan provide a series of non-medical activities that promote holistic health?	
V7	b3	Does the care plan seem to be specific to the needs of the individual patient?	
V8	b4	Are patient goals measurable and timebound in care plan?	
V9	b5	Is there an action plan to achieve those patient goals in care plan?	
V10	b6	Is all the information easy to grasp and understandable from the patient's point of view i.e., not too medical in care plan?	
V11	link_id	Linking variable	

Total: 9

A2: GP list ID [anonymized]

Data file: ecm_evaluation_of_the_care_plans

Overview

Valid: 77 Invalid: 0

Type: Discrete Decimal: 0 Width: -9 Range: - Format: character

LINK_ID: Linking variable

Data file: ecm_evaluation_of_the_care_plans

Overview

Valid: 77 Invalid: 0

Type: Discrete Decimal: 0 Width: -9 Range: - Format: character

B6: Is all the information easy to grasp and understandable from the patient's point of view i.e., not too medical in care plan?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 371 Invalid: 14 Minimum: 1 Maximum: 5
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Excellent	126	34%
2	Good	129	34.8%
3	Satisfactory	78	21%
4	Unsatisfactory	27	7.3%
5	Absent	11	3%
Sysmiss		14	

LINK_ID: Linking variable

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 385 Invalid: 0
Type: Discrete Decimal: 0 Width: -9 Range: - Format: character

B0: Is this care plan #\${careplan_num} available?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 353 Invalid: 32 Minimum: 0 Maximum: 1
Type: Discrete Decimal: 0 Width: 12 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	62	17.6%
1	Yes	291	82.4%
Sysmiss		32	

B0_R: Enter the careplan number you will evaluate inplace of care plan #\${careplan_num}

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 47 Invalid: 338 Minimum: 0 Maximum: 27
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 27 Format: Numeric

B1: Overall, are all mandatory fields of the care plan filled with relevant information?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 373 Invalid: 12 Minimum: 1 Maximum: 5
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Excellent	104	27.9%
2	Good	174	46.6%
3	Satisfactory	67	18%
4	Unsatisfactory	19	5.1%
5	Absent	9	2.4%
Sysmiss		12	

B2: Does the care plan provide a series of non-medical activities that promote holistic health?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 372 Invalid: 13 Minimum: 1 Maximum: 5
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Excellent	111	29.8%
2	Good	112	30.1%
3	Satisfactory	81	21.8%
4	Unsatisfactory	45	12.1%
5	Absent	23	6.2%

Sysmiss		13	
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B3: Does the care plan seem to be specific to the needs of the individual patient?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 371 Invalid: 14 Minimum: 1 Maximum: 5
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Excellent	119	32.1%
2	Good	152	41%
3	Satisfactory	75	20.2%
4	Unsatisfactory	19	5.1%
5	Absent	6	1.6%
Sysmiss		14	

B4: Are patient goals measurable and timebound in care plan?

Data file: ecm_evaluation_of_the_care_plans_b

Overview

Valid: 372 Invalid: 13 Minimum: 1 Maximum: 5
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Excellent	87	23.4%
2	Good	88	23.7%
3	Satisfactory	98	26.3%
4	Unsatisfactory	79	21.2%
5	Absent	20	5.4%
Sysmiss		13	

B5: Is there an action plan to achieve those patient goals in care plan?**Data file: ecm_evaluation_of_the_care_plans_b****Overview**

Valid: 371 Invalid: 14 Minimum: 1 Maximum: 3

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes, action plans are completely tailored to the goals set	118	31.8%
2	Yes, patient goals are included in the action plans, among other plans to promote health	191	51.5%
3	Not included	62	16.7%
Sysmiss		14	

Documentation

Questionnaires

Questionnaire - Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021

Title Questionnaire - Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021
Country Estonia
Description Questionnaire - Enhanced Care Management (ECM) Evaluation of Healthcare Plans 2021
Filename ecm_evaluation_of_the_care_plans_questionnaire.xlsx
