



Tervise Arengu Instituut
National Institute for Health Development

Data mapping

Progress to date and options

for agreeing the minimum data

set

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Monitoring Health Equity
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THE AIM OF MINIMUM DATA SET

The first steps to monitor health inequality are following:

- put together intersecting types of data
 - health data
 - data describing dimensions of inequality
- map data sources and describe their advantages and disadvantages



Starting points

1. WHO publications and handbooks:

- NCD Global Monitoring Framework
- Handbook on health inequality monitoring:
with a special focus on low- and middle-income countries
- Health 2020 targets, indicators and monitoring
framework

2. National Health Plan indicators

3. Opinion of experts



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A25

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1	CONTENTS												
2													
3		1	EXPLANATIONS										
4		2	MORTALITY										
5		3	LIFE EXPECTANCY										
6		4	MORBIDITY										
7		5	SELF-RATED PHYSICAL HEALTH										
8		6	STRUCTURAL DRIVERS OF HEALTH INEQUALITY										
9		7	STRUCTURAL DRIVERS OF HEALTH INEQUALITY by HEALTH CARE SERVICES										
10		8	SOCIALPOLITICAL CONTEXT										
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A1 EXPLANATIONS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	EXPLANATIONS															
2																
3	DATA SOURCES															
4	ECDR	Estonian Causes of Death Registry														
5	EHIS	Estonian Health Interview Survey														
6	EI	Environmental information http://www.keskkonnainfo.ee														
7	EMBR	Estonian Medical Birth Registry														
8	EPTD	Estonian Pregnancy Termination Database														
9	ESPAD	European School Survey http://www.espad.org/														
10	ESS	Estonian Social Survey														
11	EWCS	European Working Conditions Survey (Euroopa töötingimuste uuring)														
12	HB	Health Board														
13	HBS	Household Budget Survey														
14	HBSC	Health behaviour in school-aged children (kooliealiste laste tervisekäitumise uuring)														
15	LFS	Labour Force Survey														
16	LI	Labour Inspection http://www.ti.ee														
17	MoSA	Ministry of Social Affairs														
18	NIHD	National Institute for Health www.tai.ee/tstua														
19	SAM	State Agency of Medicines www.sam.ee														
20	SOE	Statistics of Estonia www.stat.ee														
21																
22	COMMENTS															
23	NHP	National Health Plan														
24																
25	ABBREVIATION															
26	BoD	Burden of disease														
27	DALY	Disability-Adjusted Life Year														
28	ICD-10	The International classification of diseases, 10 th revision														
29	LEB	Life Expectance at Birth														
30	YLD	Years lived with disability														
31	YLL	Years of Live Lost														
32																
33		data exists but not published														
34		data does not exist or is not available														
35																

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A1 MORTALITY

	A	B	C	D	E	F	G	H	I	
1	MORTALITY									
2										
3	Indicators	Stratifiers	Data source	Tables	Years	Regularity/Availability	Study/register	Unit	Comments	Extr
4	General mortality									
5		gender	SOE	PO45	1970-	year	ECDR	cases		Popu
6		age	SOE	PO541	1989-	year	ECDR	cases		Popu
7		age group (0-4, ..., 85+)	SOE	PO45	1970-	year	ECDR	cases		Popu
8		cause of death	SOE	PO56	1989-	year	ECDR	cases		Popu
9		type of settlement	SOE	PO52	1989-	year	ECDR	cases		Popu
10		county	SOE	PO52	1989-	year	ECDR	cases		Popu
11		marital status	SOE	PO58	1989-	year	ECDR	cases		Popu
12		educational level	SOE	PO60	1989-	year	ECDR	cases		Popu
13		nationality	SOE	PO42	1923-	year	ECDR	cases		Popu
14										
15	Mortality from injury and poisoning per 100,000 inhabitants									
16		gender	NIHD	SD22	2008-	year	ECDR	rate	NHP	
17		age group	NIHD	SD22	2008-	year	ECDR	rate		
18		county	NIHD	SD23	2008-	year	ECDR	rate		
19										
20	Mortality due to respiratory diseases per 100,000 inhabitants									
21		gender	NIHD	SD22	2008-	year	ECDR	rate	NHP	
22		age group	NIHD	SD22	2008-	year	ECDR	rate		
23		county	NIHD	SD31	2008-	year	ECDR	rate		Popu
24										
25	Mortality due to cronic respiratory diseases per 100,000 inhabitants									
26		gender	NIHD		2008-	year	ECDR	rate	issued as a separate r	
27		age group	NIHD		2008-	year	ECDR	rate	issued as a separate r	
28		county	NIHD		2008-	year	ECDR	rate	issued as a separate r	
29										
30	Mortality due to cardiovascular diseases per 100,000 inhabitants									
31		gender	NIHD	SD23	2008-	year	ECDR	rate		
32		age group	NIHD	SD22	2008-	year	ECDR	rate		
33		county	NIHD	SD23	2008-	year	ECDR	rate		

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Conditional Formatting Format as Table Cell Styles Styles

MORTALITY										
A	B	C	D	E	F	G	H	I		
1	MORTALITY									
3	Indicators	Years	Regularity/Availability	Study/register	Unit	Comments	Extra data required	Definition	Quality of data	
4	General mortality									
5		1970-	year	ECDR	cases		Population data by gender www.stat.ee			
6		1989-	year	ECDR	cases		Population data by age www.stat.ee			
7		1970-	year	ECDR	cases		Population data by age group www.stat.ee			
8		1989-	year	ECDR	cases		Population data www.stat.ee			
9		1989-	year	ECDR	cases		Population data by type of settlement	Urban/rural settlements		
10		1989-	year	ECDR	cases		Population data by county www.stat.ee			
11		1989-	year	ECDR	cases		Population data by marital status www.stat.ee			
12		1989-	year	ECDR	cases		Population data by age group www.stat.ee			
13		1923-	year	ECDR	cases		Population data by age group	Estonians/Non-Estonians		
14										
15	Mortality from injury and poisoning per 100,000 inhabitants								ICD-10 (V01-Y89)	
16		2008-	year	ECDR	rate	NHP				
17		2008-	year	ECDR	rate			Age group: 0, 1-4, 5-9, ..., 85+		
18		2008-	year	ECDR	rate					
19										
20	Mortality due to respiratory diseases per 100,000 inhabitants								ICD-10 (J00-J99)	
21		2008-	year	ECDR	rate	NHP				
22		2008-	year	ECDR	rate			Age group: 0, 1-4, 5-9, ..., 85+		
23		2008-	year	ECDR	rate		Population data by county www.stat.ee			
24										
25	Mortality due to chronic respiratory diseases per 100,000 inhabitants									
26		2008-	year	ECDR	rate	issued as a separate request		Chronic respiratory diseases should be		
27		2008-	year	ECDR	rate	issued as a separate request		Chronic respiratory diseases should be		
28		2008-	year	ECDR	rate	issued as a separate request		Chronic respiratory diseases should be		
29										
30	Mortality due to cardiovascular diseases per 100,000 inhabitants								ICD-10 (I00-I99)	
31		2008-	year	ECDR	rate					
32		2008-	year	ECDR	rate					
33		2008-	year	ECDR	rate					

STRATIFIERS

- Gender
- Age, age group (0-4, ..., 85+)
- Diagnosis, cause of death
- type of settlement or county
- Marital status
- Educational level
- Nationality
- Socioeconomic factors
- Economic activity
- Economic situation
- Labour status
- Income



DATA SOURCES

- Estonian Causes of Death Registry
- Estonian Health Interview Survey
- Environmental information
- Estonian Medical Birth Registry
- Estonian Pregnancy Termination Database
- European School Survey Project on Alcohol and Other Drugs (Euroopa kooliõpilaste alkoholi ja narkootikumide tarvitamise küsitlusuuring)
- Estonian Social Survey
- European Working Conditions Survey (Euroopa töötingimuste uuring)
- Health Board registers
- Household Budget Survey
- Health behaviour in school-aged children (kooliealiste laste tervisekäitumise uuring)
- Labour Force Survey
- Labour Inspection
- Ministry of Social Affairs
- National Institute for Health Development
- State Agency of Medicines
- Statistics of Estonia

FUTURE STEPS

- Publish the review on the NIHD website
- Continue to develop the review, consulting with experts and data users, add stratifies, study data sources and assess the data sources quality
- Start publishing some indicators in the NIHD public database
- Support the further development and collection of data and health inequalities indicators
- Continue cooperation with other data sources

SUMMARY

- The start of mapping of health inequality indicators. Data sources are collected and described in one place.
- The problems of data sources and stratifies' availability is mapped
- Next future plans are clear

THANK YOU!

