

KAMSO - A decision-support tool for social inclusion interventions

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A decision-support tool

KAMSO - Kalkylverktyg för insatser mot social utsatthet

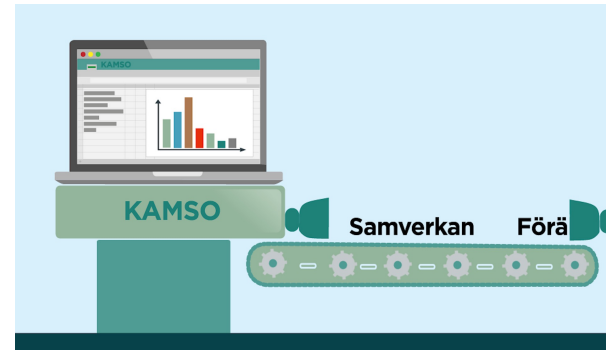
Our goal is to stimulate more coherent and long-term preventive interventions for children and young people



KAMSO - Main features



- Generic – for "all" interventions



- Register-based
- Transparent about data and assumptions



- Focuses on children and adolescents
- Challenges short-term focus
- CALYs – life-years and quality of life

Uses of the tool

Idéer för livet
skandia:



[Startsida](#)

[KAMSO-projektet](#)

[Manual](#)

[Målgrupper](#)

Ej fullständiga
grundskolebetyg

Ej fullständiga
gymnasiebetyg

UVAS

[Webbdatabank](#)

[Exempel](#)

[Mina sparade
kalkyler](#)

[Andras sparade
kalkyler](#)

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kontoinformation](#)

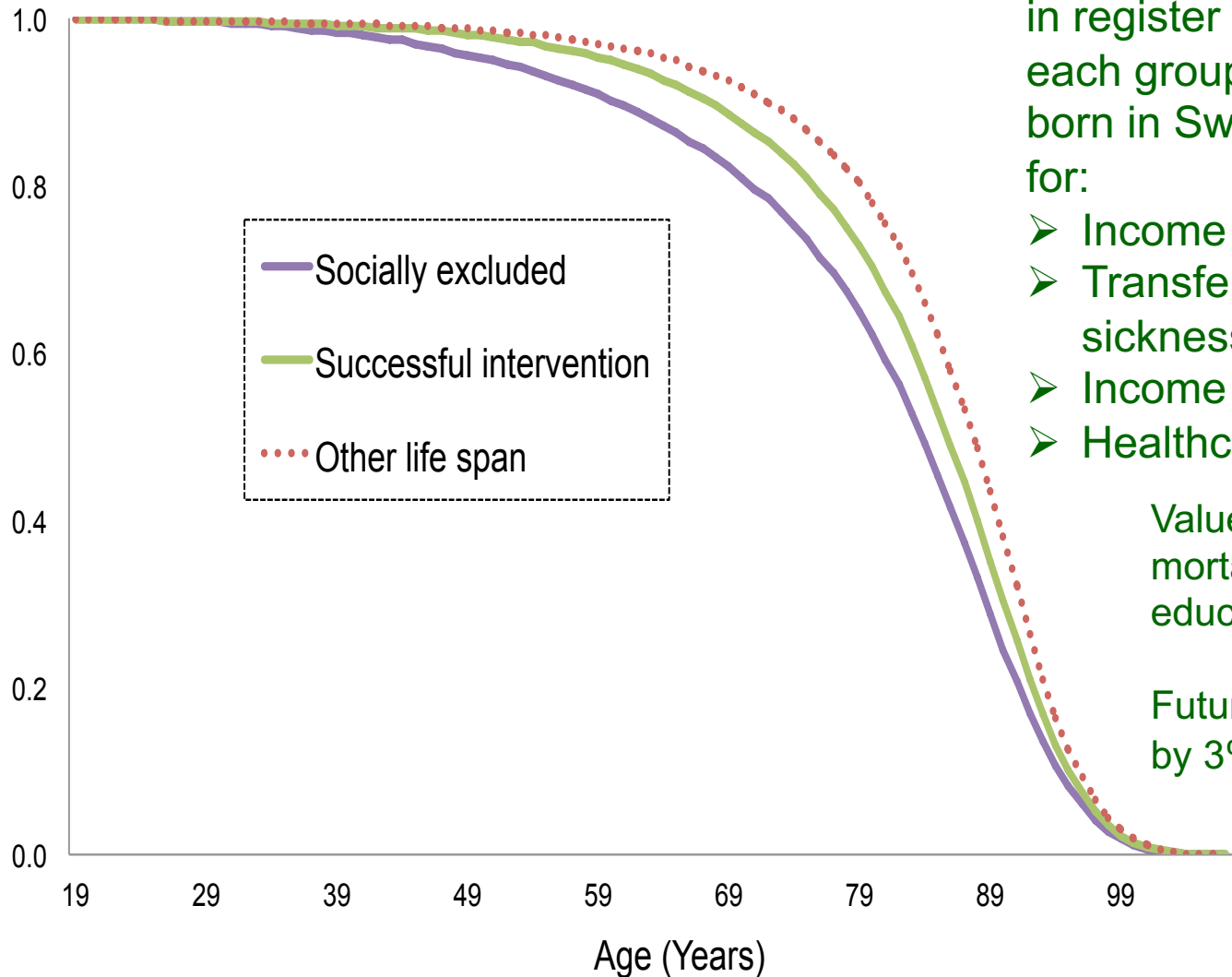
[Ändra lösenord](#)

The intervention must have as one of its aims:

- To increase completion of compulsory school
- To increase completion of upper-secondary school (with grades in all subjects)
- To lift “NEETs” back into education or into employment – to a “normal life”



Life-table method – focused on the difference between target and comparison groups



We computed average values in register data (2015) for each group by age, sex and born in Sweden/born abroad for:

- Income from employment
- Transfer payments (e.g. sickness allowance)
- Income tax payments
- Healthcare costs

Values are weighted by mortality risk by age, sex and educational attainment.

Future values are discounted by 3% p.a.



CALY Sweden

A new measure for quality of life



The capability-adjusted life years (CALY) project develops a new measure for quality of life, based on the capability approach Nobel price winner Amartya Sen.

Capabilities are the *opportunities* and *possibilities* for individuals, so that they can *shape* their lives in a way that they *value* and lead a *flourishing* life.

CALY-SWE is a Swedish-based implementation of the capability approach for economic evaluations. The primary use is in public health and social welfare to measure quality of life consequences.



CALY-SWE

e.g. Financial situation & housing: ” “I have a financial situation (salary, other income, or savings) that always allows me to have a permanent housing and to buy what I think I need.”

- Agree completely
- Agree partially
- Not agree at all

6 dimensions (3 answer options)

- Health
- Social relations
- Financial situation & housing
- Occupation
- Security
- Political & civil rights



KAMSO: an example

NEETs

What intervention do you want to analyse?

Yellow fields are obligatory

The user describes
their intervention

Name of the intervention:

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Short description of the
intervention:

Sources about this and/or
similar interventions:

Link to source:

Enter information about the intervention

... and describes
the participants

Number of participants:

20

Participants' age when
the intervention starts
(16-29 years)

21

Select gender or CoB:

Alla

Duration of the
intervention (years):

1

An example (cont.)

The user estimates intervention costs:

For the participants:

For the municipality:

For the region:

For the government:

For other investing organisation(s):

Source for cost estimates:

Link to source:

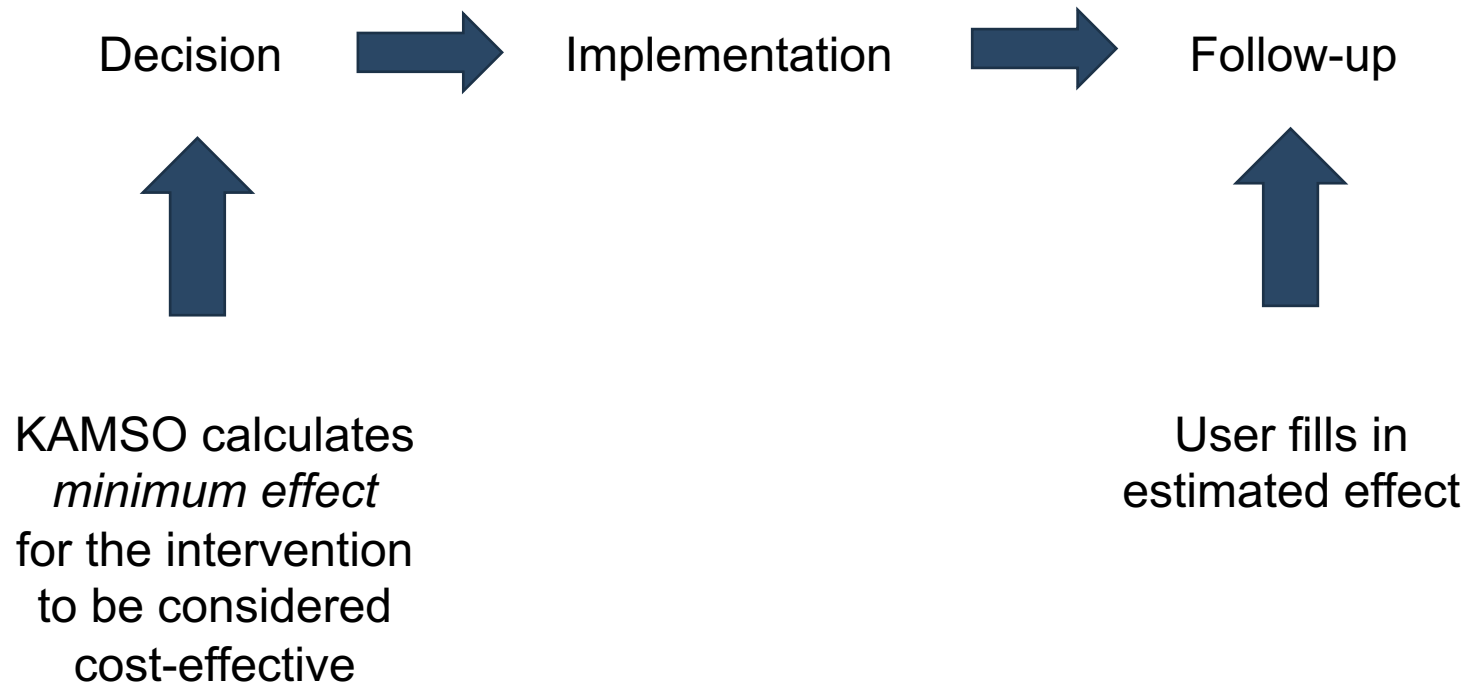
Time period for budget consequences (years):

How much does the intervention cost?

Please insert the total project cost for the participants you have specified above.

Time to calculate

Two main ways to use KAMSO



Results: minimum effect

How many more must achieve a secondary school degree for the intervention to be considered cost-effective?

Cost-effectiveness analysis, real costs and benefits. Calculation period: lifetime.
Discount rate 3%. Threshold: 500,000

	The minimum number of extra pupils who must achieve a degree for the intervention to be considered cost-effective
With threshold value 500,000 SEK per CALY gained	2

Effects on length and quality of life

	CALYs gained
Expected change in CALYs	6.1

Cost-effectiveness

Societal perspective, real costs and benefits

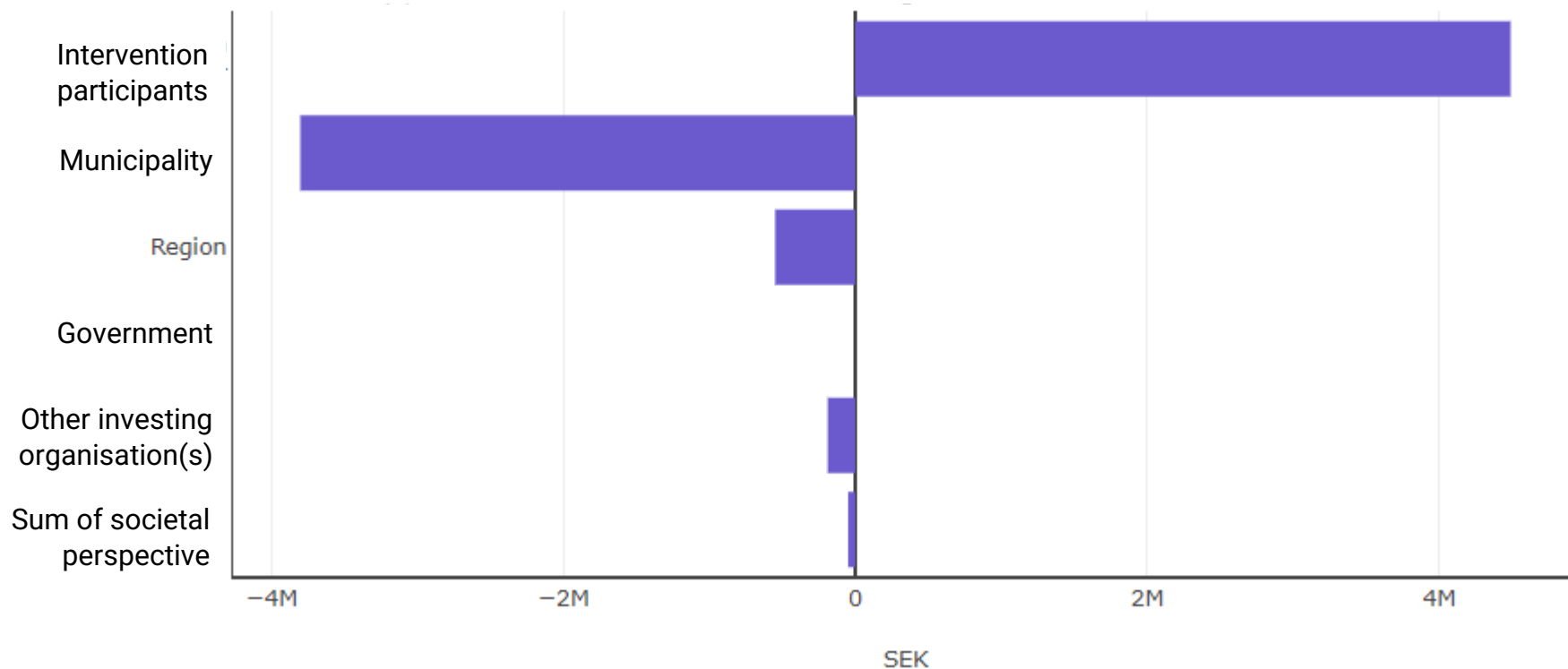
Cost per CALY gained	7 911
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The number of CALYs gained is estimated with the CALY weight of 0.7 for individuals lacking a secondary school degree and 0.8 for individuals with such a degree.

Results: societal costs over remaining lifetime

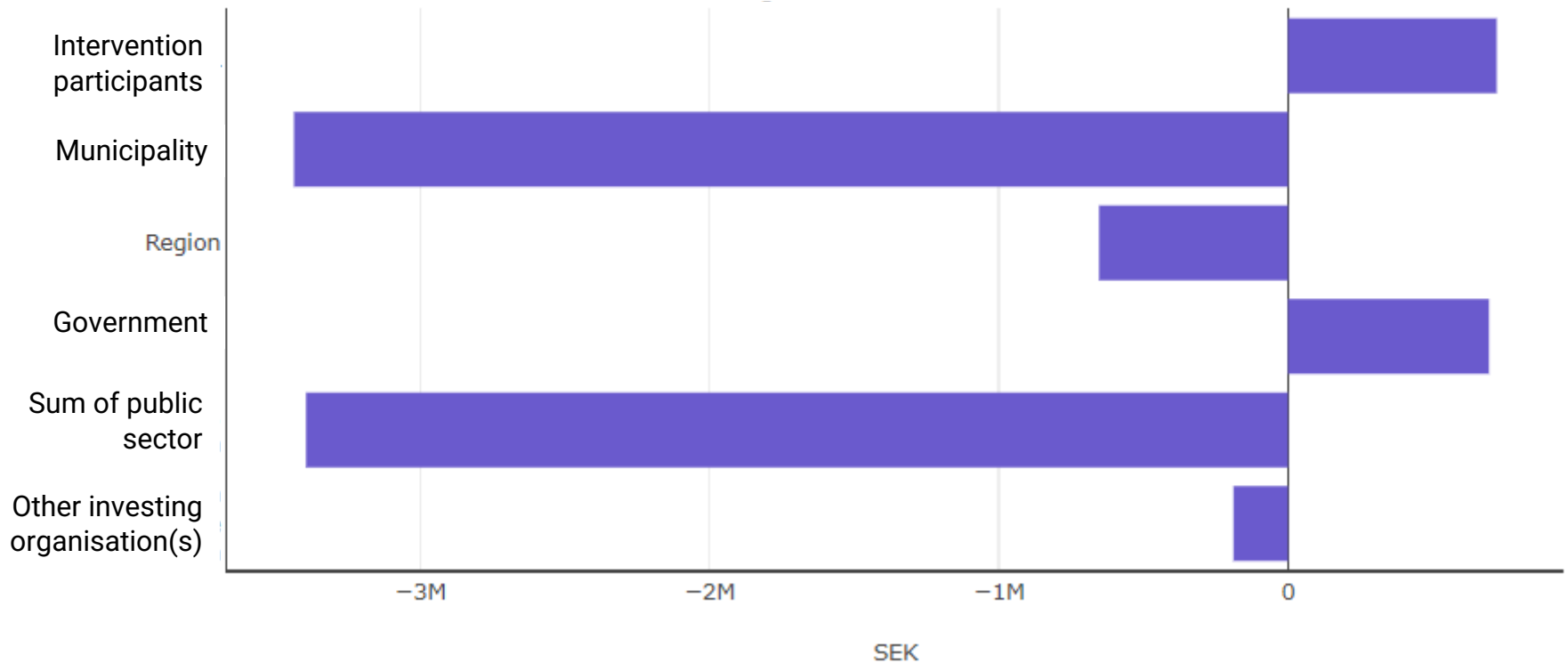
Societal costs.

Change in net costs in real terms when the intervention is carried out.
Calculation period: lifetime. Number of SEK. Discounted to present value, discount rate 3%.



Results: short-term financial costs

Financial costs. Chosen short time perspective (3 years).
Change in net financial costs when the intervention is carried out.
Number of SEK. Discounted to present value, discount rate 3%.



Training and users



KAMSO introduktion på mindre än 1 minut!

Social utsatthet har ett högt pris och förebyggande insatser är viktiga! Vilken insats ger mest effekt för pengarna? KAMSO kan användas som beslutsstöd för att välja mellan olika förebyggande insatser inom barn- och ungdomsområdet. KAMSO kan också användas för att i efterhand uppskatta effekter av sådana insatser.



KAMSO
Läs mer!



Utbildning
Så här går det till!



**Kalkyl-
verktyget**
Här kan du räkna!



**Idéer för
livet**
Besök hemsidan!

The tool and training are free of charge for users.

Zoom seminars:

2 hours introduction

user accounts are created

1 hour + Q&A

Q&A with existing users

First users in autumn 2020.

- Number of user accounts: 168
- Logged in at least once: 86 (51%)
- Saved model inputs: 114

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INFORMATION**

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www.umu.se/forskning/grupper/kamso/



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Associate prof (senior), economist

EPIDEMIOLOGY AND GLOBAL HEALTH



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Associate prof, recreation instructor, social worker

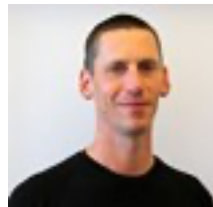
SOCIAL WORK



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EPIDEMIOLOGY AND GLOBAL HEALTH



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