

FOCUS IN MY PRESENTATION



- What is "SikkerTrafik LIVE"?
- Situation from 2014 to now...
- Our process new evaluation set-up for LIVE
- Different steps in the new evaluation set-up for LIVE
- A few results
- Sum up

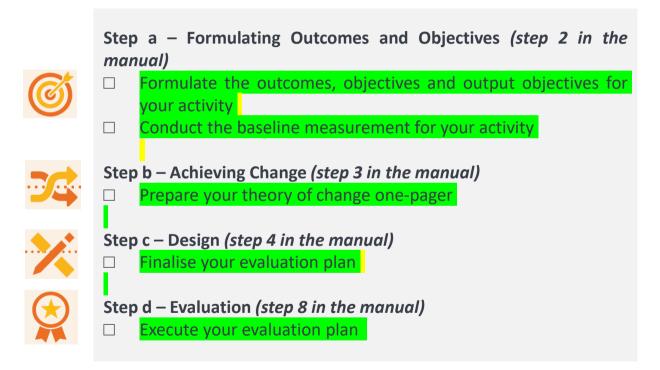


WHAT IS 'SIKKER TRAFIK LIVE'?

- Educational initiative aimed at the oldest pupils at primary and lower secondary schools (grade 8th to 10th = 13-16 years old). Free-of-charge. Operating since 1987.
- LIVE is one of the Danish Road Safety Councils most used educational activities. More than 35.000 pupils in grade 8 to 10 are subjected to the intervention, each year. (Never digital, at the schools).
- The presenters are called "ambassadors", and their role is to tell pupils about their own accidents. Common to these ambassadors is that they have all been seriously injured in an accident, and that they themselves were (partly) to blame for the accident/injuries.
- The purpose is to provide pupils with a better understanding of the consequences of a serious road accident, to open pupils' eyes to the fact that they may actually become involved in an accident themselves and to motivate them to make safer choices in traffic.
- Structure of visits: 90 minutes: Introduction, Life before the accident, The Accident, Life after the accident, Break, Questions, Evaluation, Rounding off (repeat main points).



OUR PROCESS - NEW EVALUATION SET-UP FOR LIVE







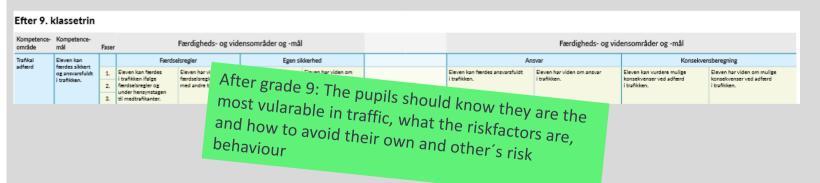


- ☐ Formulate the outcomes, objectives and output objectives for your activity
- Conduct the baseline measurement for your activity

Process: Discussing what is the most important to focus on and have as objectives, so we know what LIVE should achieve and what to evaluate

First, we looked at our national goals:

- Goals set out for traffic safety and mobility education in the curricula for schools (https://emu.dk/grundskole/faerdselslaere/laeseplan-og-vejledning):
 - It is mandatory to teach (and it has been so since 1940!)









Sikker Trafik

6	Step a − Formulating Outcomes and Objectives (step 2 in the manual) Formulate the outcomes, objectives and output objectives for your activity Conduct the baseline measurement for your activity	
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<u>Second</u>, after observing several LIVE visits and reviewing behavioural models, the 5 E-model and the Didactive Relations model, we formulated what knowledge, reflection, attitude and (intended) behaviour we wanted the LIVE visits to achieve (outcome objectives):

KNOWLEDGE - PUPILS (examples)

- Knowledge of at least 2 collision/injury factors (speed, alcohol, seat belt, inattention)
- Knows that they themselves are part of the most vulnerable age group in traffic
- Knowledge of how to say no to others (action instructions)

REFLECTION - PUPILS

- Reflect on what could have prevented the collision the injured person was in
- Reflect on own abilities and behaviour in traffic
- Decide on own future behaviour in traffic

RELEVANCE - PUPILS

• Can relate the story to their own life

ATTITUDE - PUPILS

- Drink driving is unacceptable
- Not always wearing a seat belt/helmet is unacceptable
- Being inattentive/ distracted in traffic is unacceptable
- Speeding is unacceptable

BEHAVIOUR – PUPILS

- Less risky driving:
 - Reduces their speed/adheres to the speed limit
 - Does not drive under the influence of alcohol or drugs
 - Uses the seat belt
 - Pays attention in traffic
 - Wears a helmet (moped and motorcycle)



Step a – Formulating Outcomes and Objectives (step 2 in the manual)



☐ Formulate the outcomes, objectives and output objectives for your activity

Conduct the baseline measurement for your activity

Thirdly, we made a baseline measurement:

- Before (and post-activity) measurement:
 - Quantitative survey questionnaire to pupils before they had experienced a LIVE visit
 - Survey answers from pupils from all over the country
 - Testing if our questions (and objectives) worked where they formulated in a way the pupils could understand and answer
 - Focusing on:

KNOWLEDGE - PUPILS

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Selected KPIs for TrygFonden (report on performance once a year):

- Outcome objectives/KPIs post activity/just after a LIVE visit:
 - Knowledge objective: a minimum of 85 % of the pupils who have had a visit by the LIVE initiative should **know what age group is most vulnerable/exposed in traffic**.
 - Attitude objective: at least 95 % of the pupils who have had a visit by the LIVE initiative should feel that **the visit was good or very good**.
- Output objective/KPI:
 - Reach: a **minimum of 25,000 pupils** in grade 8, 9 and 10 (equal to approximately 19% of the target population) should receive a visit from the LIVE initiative in every school year.
 - LIVE should visit at least 30 % of the students in the five most affected municipalities.
- Outcome objectives/KPIs 6-12 months following the LIVE visit:
 - Behavioral objective: at least 80 % of the pupils say they now due to the visit take better care of themselves in traffic (self-reported).
 - Knowledge objective: at least 80 % of the pupils should still know that they belong to the age group that is most vulnerable in traffic.
- Monitoring: Number and types of accidents for the age group
- Report on other outcome objectives we have (knowledge, reflection, attitude, behaviour etc.)

"SMARTER" objectives/KPIs:

Specific,
Measurable,
Achievable,
Realistic/Relevant,
Time-bound,
Evaluated, and
Revisable.



STEP B – ACHIEVING CHANGE (STEP 3 IN THE MANUAL)

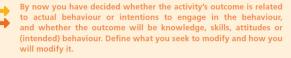


of approx. 1700 pupils)

Step b – Achieving Change (step 3 in the manual)

Prepare your theory of change one-pager





THEORY OF CHANGE: "ROAD SAFETY LIVE" (* = key performance indicators) IN THE LONG TARGET GROUPS OUTCOMES/RESULTS/EFFECTS TERM SCHOOL VISIT BY KNOWLEDGE - PUPILS INTENDED BEHAVIOUR - PUPILS LIVE AMBASSADOR · Will talk to friends/family about Knowledge of at least 2 collision/injury **GRADES 8-10** factors (speed, alcohol, seat belt, inattention) Injured person/ the visit · Knowledge of collision/injury factors for LIVE ambassador vear old pupils) INTENDED BEHAVIOUR - PUPILS young people (ind. mopeds) tell his/her story to . Decides how they will react to the pupils (90-120 **KNOWLEDGE - PUPILS** others' risk behaviour min.) REDUCETHE . Knows that they themselves are part of the Teacher's guide NUMBER **BEHAVIOUR - PUPILS** most vulnerable age group in traffic* and preparation OF TRAFFIC Knowledge/understanding of the sheets for pupils Less risky driving: COLLISIONS consequences of their own and others' · Reduces their speed/adheres to behaviour in traffic the speed limit . Knowledge of how to say no to others . Does not drive under the (action instructions) influence of alcohol or drugs · Uses the seat belt **RELEVANCE - PUPILS** · Pays attention in traffic . Can relate the story to their own life AT LEAST 25,000 · Wears a helmet (moped and **PUPILS FROM** motorcyde) REFLECTION - PUPILS **FEWER** GRADES 8-10 . Reflect on what could have prevented the 6 to 12 months after the visit: ROAD collision the injured person was in Believes that the LIVE visit has DEATHS · Reflect on own abilities and behaviour in helped them to take better care of (number and (Including visits for traffic themselves in traffic * loss of living at least 30% of the . Decide on own future behaviour in traffic vears) pupils in Grades 8 to ATTITUDE - PUPILS 10 in the country's **FEWER** 5 most collision- Thinks the visit was good / very good * **INJURED** affected municipalities (lightly and Drink driving is unacceptable in the school year, seriously) · Not always wearing a seat belt/helmet is corresponding to a total unacceptable

. Being inattentive/ distracted in traffic is

unacceptable
• Speeding is unacceptable

8 EXAMPLE 8: A THEORY OF CHANGE ONE-PAGER FOR THE "ROAD SAFETY LIVE" INITIATIVE

THE LEARN! MANUAL WEBINAR



STEP C & D – DESIGN (STEP 4 IN THE MANUAL) & EVALUATION (STEP 8):



Step c - Design (step 4 in the manual)

Finalise your evaluation plan



Step d – Evaluation (step 8 in the manual)

☐ Execute your evaluation plan

OUTCOME EVALUATION:

What do we want to know?

- Are the national goals met?
- Are our objectives (knowledge, reflection, attitude, behavior) met?
- Are the objectives/KPIs for TrygFonden met? (output objectives and outcome objectives)
- How do the different presenters perform?
- = whether have succeeded in achieving the outcomes set in objectives

Data collection methods used for evaluation:

- Quantitative:
 - Mobile survey questionnaire to pupils just after the visit (primary target group)
 - Mobile follow-up survey to pupils 6-12 months after the visit
 - Mobile survey to pupils' teachers (secondary target group)
 - Note: Remember General Data Protection Regulation (GDPR)

• Qualitative:

- Observation of visits
- Interviews with pupils just after the visit
- Interviews with pupils' teachers just after the visit
- Follow-up interviews with LIVE presenters

When?

Ongoing since 2015 (quality control)

Done by:

• Our internal insights/docu department

PROCES EVALUATION:

= whether the activity is operating as planned

- 5 E-model (for more see the Manual)
- ✓ engaging are the pupils motivated, can they use prior knowledge?
- ✓ exploring are they pupils allowed to come up with suggestions to what could have prevented collision?

ENGAGE

EVALUATE

- ✓ **explaining** are the pupils allowed to communicate their knowledge?
- ✓ elaborating are the pupils allowed to reflect on own abilities and behaviour in traffic, and produce other thoughts, feelings & ideas?
- ✓ evaluating are the pupils allowed to self-evaluate and ask questions and how did
 the presenter answer these?

Other: Did the presenter follow his/her manuscript, and did it work as intended? Time allocate alright? Where the pupils bored at some time? Did the class teacher participate in the whole visit and what did they say to the pupils before and after the visit? Had the pupils been told in advance what the visit was about and what to expect? How was the room – was there enough space for the presenter? etc.

Methods: Qualitative (like outcome evaluation)

RANDOMISED CONTROLLED TRIAL (RCT) EFFECT STUDY:

- What/why: To evaluate whether the "Road Safety LIVE" initiative was effective
- Done by?: Contracted professional researchers: VIVE The Danish Centre of Applied Social Science
- Data collection method: Control group and intervention group
- See more: In the Manual's example 24

MONITORING OF ACCIDENTS (POLICE & EMERGENCY ROOM DATA):

 Monitoring of number and types of accidents for the age group (including schools with most accidents).

A FEW RESULTS...

Selected KPIs for TrygFonden (report on performance once a year):

- Outcome objectives/KPIs post activity/just after a LIVE visit:
 - Knowledge objective: a minimum of 85 % of the pupils who have had a visit by the LIVE initiative should know what age group is most vulnerable/exposed in traffic.
 - Result: Resultat 2019/2020: 89 %. 2018/2019: 89 %. 2017/2018: 89 %
 - Attitude objective: at least 95 % of the pupils who have had a visit by the LIVE initiative should feel that the visit was good or very good.
 - Resultat 2019/2020: 98 %. 2018/2019: 98 %. 2017/2018: 99 %
- Output objective/KPI:
 - Reach: a minimum of 25,000 pupils in grade 8, 9 and 10 (equal to approximately 19% of the target population) should receive a visit from the LIVE initiative in every school year.
 - Result: Achieved in 4 of the 5 municipalities
 - Result: School year 2019/20: 26.185. 2018/2019: 36.763. 2017/2018: 36.612
 - LIVE should visit at least 30 % of the students in the five most affected municipalities.
- Outcome objectives/KPIs 6-12 months following the LIVE visit:
 - Behavioural objective: at least 80 % of the pupils say they now due to the visit take better care of themselves in traffic (self-reported).
 - Result: 2018/2019: 94 %. 2017/2018: 94 %
 - Knowledge objective: at least 80% of the pupils should still know that they belong to the age group that is most vulnerable in traffic.
 - Result: 2019/2020: 85 %. 2018/2019: 87 %. 2017/2018: 86 %

SUM UP

