



## Secondary Education: TSaME in Denmark

LEARN! Expert Panel Meeting  
November 8, 2023

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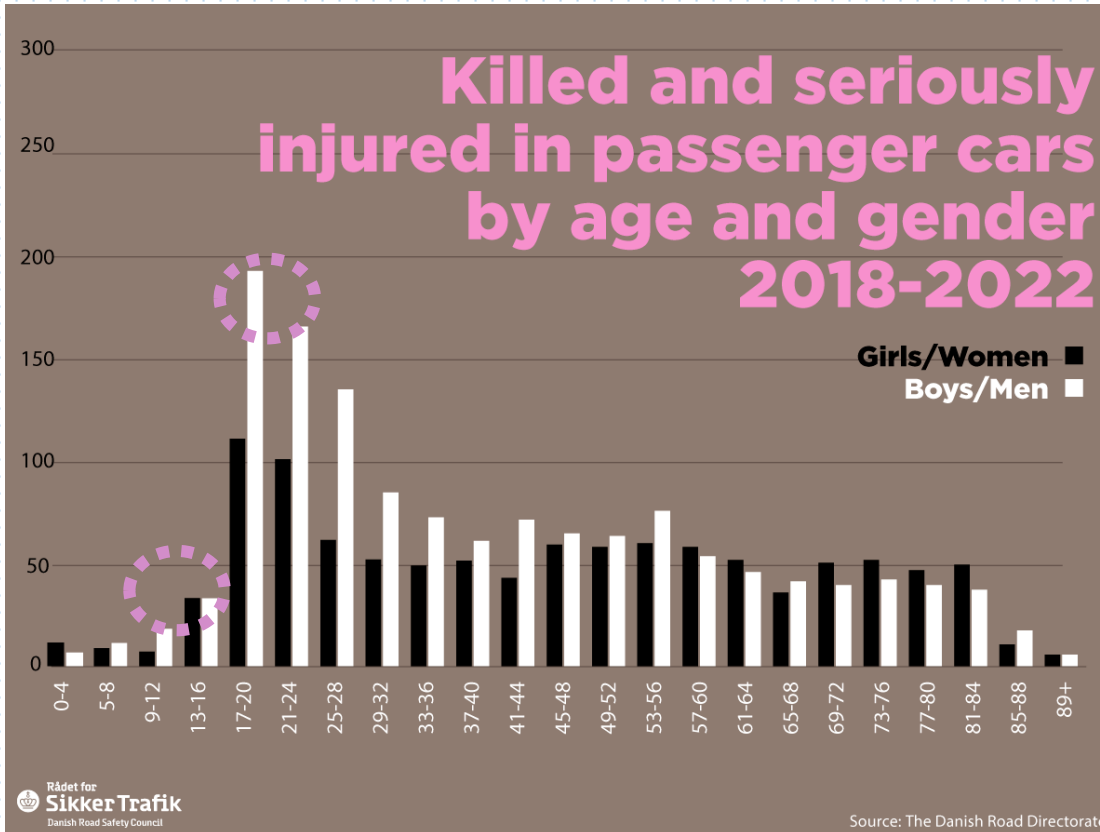
Rådet for  
**Sikker Trafik**

Danish Road Safety Council

# AGENDA

- Short overview of accident statistics for 12-17+ old
- TSaME (Traffic Safety and Mobility Education) in Denmark in primary and lower secondary schools. Grade 6-9 = **aged 12-15 years old**
  - *In Denmark it is mandatory to attend school grade 0-9 (min. 10 years)*
- TSaME (Traffic Safety and Mobility Education) in Denmark in upper secondary education (high schools, vocational schools, colleges) = **16-18 years old**
- TSaME (Traffic Safety and Mobility Education) in Denmark at universities = **19+ years old.**

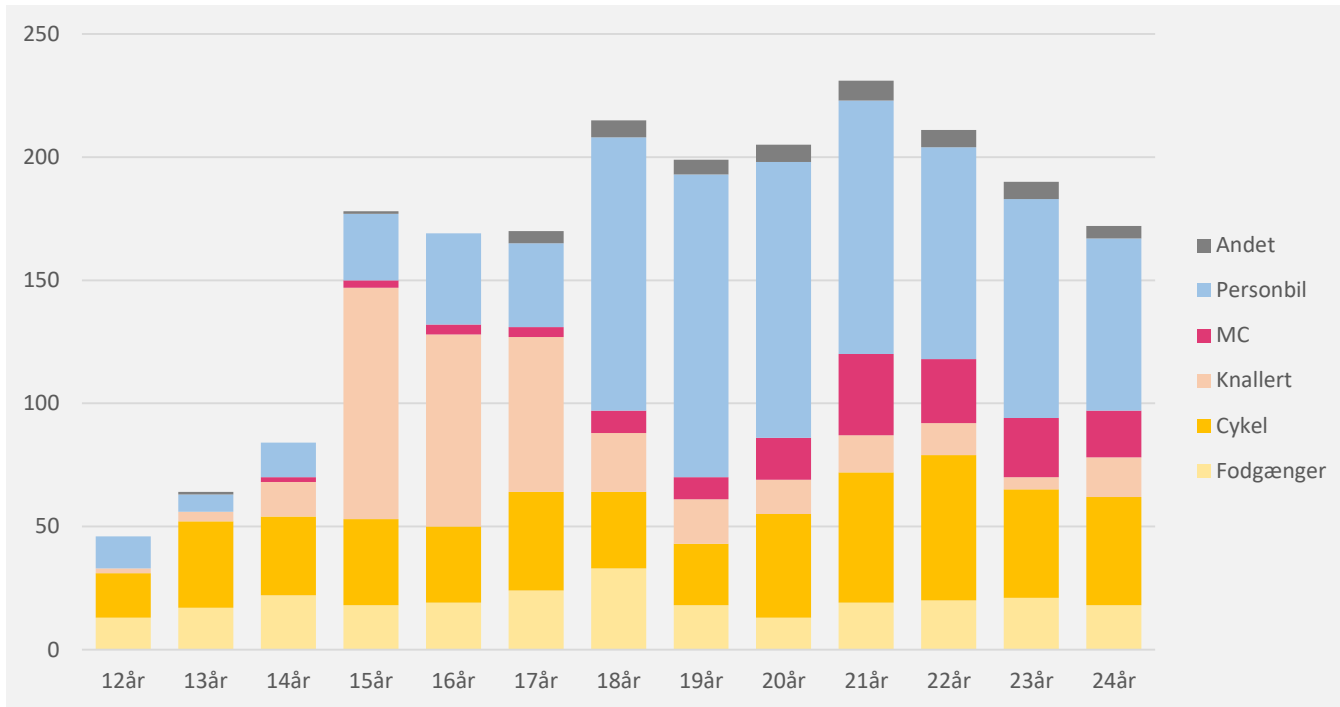
# Killed and seriously injured: Age and girls/boys



In Denmark **17-24-year-old** = the most vulnerable group in traffic

**Amongst children** we especially see an increase in accidents from when they are 12 years old

# Killed and seriously injured by means of transport



## 12-17-years old especially:

- mopeds/scooters (licence from 15 years old)
- bicycles
- cars
- pedestrians

## 18-24-years old especially:

- cars
- bicycles

When Danish children enter their teen years, they can multiply the risk of getting injured or killed in traffic by 10 compared to when they were 6 years old

(data: 2017-2021)

# TRAFFIC SAFETY EDUCATION IN DENMARK

- GRADE 0-9 (AGE 5/6-15-YEAR-OLD): PRIMARY SCHOOL AND LOWER SECONDARY SCHOOL

- **Danish national goals for Traffic Safety education:**

(<https://emu.dk/grundskole/faerdselslaere/laeseplan-og-vejledning>):

- It is **mandatory** to teach (and it has been so since 1940!), but there is – unfortunately – not a requirement in terms of hours pr. year pr. grade

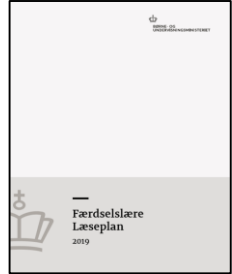
- **UN/EU goals:**

- The majority of European countries have signed the UNECE’s Convention on Road Traffic (also known as the “1968 Vienna” Convention) and have thereby committed to provide road safety education:

*“Article 3(5bis). Contracting Parties will take the necessary measures to ensure that road safety education be provided on a **systematic and continuous basis**, particularly in schools **at all levels**.”*

- **Both EU and Danish goals for 5/6 to 15 years old:**

- **All** children/youngsters should be taught in traffic safety.



# TRAFFIC SAFETY EDUCATION GOALS AFTER GRADE 3, 6 & 9

- GRADE 0-9 (AGE 5/6-15-YEAR-OLD): PRIMARY SCHOOL AND LOWER SECONDARY SCHOOL

## Efter 3. klasses trin

Kompetence-område	Kompetence-mål	Faser	Færdigheds- og vidensområder og -mål				Færdigheds- og vidensområder og -mål					
Trafikal adfærd	Eleven kan færdes sikkert i trafikken i lokalområdet.		Færdselsregler		Egen sikkerhed		Andre trafikanter		Sikker rute		Sikker på cykel	
		1.	Eleven kan færdes alene til fods i trafikken ifølge færdselsregler.	Eleven har viden om færdselsregler for fodgængere.	Eleven kan sikre sig	Eleven har viden om sikkerhedsudstyr	Eleven kan aflæse andre trafikanter.	Eleven har viden om trafikanter og deres tegning.	Eleven kan vælge en sikker rute for fodgængere.	Eleven har viden om kendetegn for sikre ruter for fodgængere.	Eleven kan manøvrere sin cykel i lukket område ifølge grundlæggende færdselsregler.	Eleven har viden om grundlæggende færdselsregler for cyklister.
		2.										
		3.										
		4.										

After grade 3: They should know how to walk safely in traffic

## Efter 6. klasses trin

Kompetence-område	Kompetence-mål	Faser	Færdigheds- og vidensområder og -mål				Færdigheds- og vidensområder og -mål			
Trafikal adfærd	Eleven kan færdes sikkert i trafikken.		Færdselsregler		Egen sikkerhed		Samspil i trafikken		Sikker rute	
		1.	Eleven kan cykle alene i trafikken ifølge færdselsreglerne.	Eleven har viden om færdselsregler for cyklister.	Eleven kan opmærksomt i trafikken	Eleven kan forudsige situationer	Eleven har viden om risici forbundet med andre	Eleven kan vælge en sikker rute for cyklister.	Eleven har viden om kendetegn for sikre ruter for cyklister.	
		2.								
		3.								

After grade 6: They should know how to bicycle safely in traffic

## Efter 9. klasses trin

Kompetence-område	Kompetence-mål	Faser	Færdigheds- og vidensområder og -mål				Færdigheds- og vidensområder og -mål			
Trafikal adfærd	Eleven kan færdes sikkert og ansvarfuldt i trafikken.		Færdselsregler		Egen sikkerhed		Ansvar		Konsekvensberegning	
		1.	Eleven kan færdes i trafikken ifølge færdselsregler og under hensyntagen til medtrafikanter.	Eleven har viden om færdselsregler med ansvar	Eleven kan opmærksomt i trafikken	Eleven kan forudsige situationer	Eleven har viden om ansvar	Eleven kan vurdere mulige konsekvenser ved adfærd i trafikken.	Eleven har viden om mulige konsekvenser ved adfærd i trafikken.	
		2.								
		3.								

After grade 9: They should know they are the most vulnerable in traffic, what the risk factors are, and how to avoid their own and other's risk behaviour

# MINIMUM TSAME WE RECOMMEND FOR 12-15-YEAR-OLD

**Grade 6**  
(12 years old)

**"Cycling Test"**  
(theory & practice in traffic)  
10-12 lessons



*Max 5 km route in rural areas, often shorter in urban areas*



## 2 parent letters:

- Before test
- After test

In 12 languages



- Quality and dialogue-based TSaME materials
- All tested and evaluated
- All free-of-charge, digital and fulfilling national goals
- All have teacher's manuals (some also quick guides for teachers)
- Some materials also include parent letters
- All our TSaME can be seen at [www.sikkertrafik.dk/skole](http://www.sikkertrafik.dk/skole)

# MINIMUM TSAME WE RECOMMEND FOR 12-15-YEAR-OLD

Grade 8-9  
(14-15-year-old)

Note: Many schools max  
2-4 lessons/hours (!)

Visit in class by "Sikker Trafik  
LIVE" ambassador, 2 lessons

"360 degrees"  
(Soc. Science, Religion), 2-4 lessons

and/or

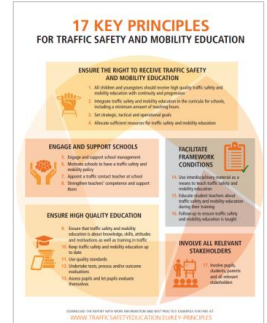


- Pupils meet a person who lives with a visible injury after a traffic accident.
- They hear the story of the accident and of having to live a different life than one had imagined.
- There is ongoing dialogue throughout the visit, where pupils also gain knowledge about risks in traffic and the possible consequences when things go wrong.

- Pupils watch 3 small film clips and analyze a real traffic (moped) Accident.
- The pupils meet the main character, relatives and professionals who are all affected by the accident.
- Teaching is based on dialogue and varying teaching methods.
- The goal is for the students to work with the many consequences a serious traffic accident can have and to reflect on their own behavior in traffic.

Parent letters after visit

Quality and dialogue-based TSaME materials. All tested and evaluated. All free-of-charge, digital, fulfilling national goals and with teacher's manuals (some also quick guides for teachers) (and for some materials also parent letters included). All our TSaME can be seen at [www.sikkertrafik.dk/skole](http://www.sikkertrafik.dk/skole)



"Win a sub" (a substitute teacher) – for grade 7-9 = did not work as intended



# OTHER EXAMPLES OF OUR TSAME FOR 12-15 YEARS OLD

**Grade 6**  
(12 years old)



**Grade 4-6**  
The cycle lane  
Let your pupils practice maneuvering skills



**Grade 4-6**  
Traffic signs and guess  
Let your pupils draw and guess traffic signs



**Grade 4-6**  
Tip Ten fines  
Have pupils guess penalty rates



**Grade 5-6**  
School Patrols  
education material



**Grade 4-6**  
Red-yellow-green. Take a stand on road safety in a fun and active way

**Grade 7-8**  
(13-14 years old)



**Grade 7-8**  
"Number crush"  
Let your pupils work with entrepreneurship and innovation



**Grade 7-9**  
Campaign film  
Let your pupils dive into new and old campaign films about road safety



**Grade 7-9**  
Reports  
Let your pupils work on reports about traffic accidents

**Grade 8-9**  
(14-15 years old)



**Grade 8-9**  
"While We Live"  
Watch the film and give your pupils insights into the consequences of a serious road accident



**Grade 8-9**  
"When the asphalt gives way"  
Podcast series with personal stories about traffic accidents



**Grade 7-9**  
Dialogue cards  
Let your pupils quiz, discuss and argue

An increasing number of schools make "Traffic safety day(s)" where all their pupils or the oldest pupils are taught TSaME  
  
Often including visits by police, paramedics, fire department etc.

Find our TSaME materials on [www.sikkertrafik.dk/skole](http://www.sikkertrafik.dk/skole)  
(in Danish, but you can use Google Translate to translate)

**ONE THING IS PROVIDING QUALITY  
ASSURED TEACHING MATERIALS &  
PRIORITIZING & TELLING WHAT TO  
MINIMUM TEACH...**

**ANOTHER IS TO KNOW HOW MANY  
12–15-YEAR-OLD PUPILS THAT ARE IN  
PRACTICE TAUGHT IN TRAFFIC SAFETY  
EDUCATION IN DENMARK...**

# HOW MANY 12–15-YEAR-OLD DANISH PUPILS ARE TAUGHT IN TSAME?

**Grade 6**  
(12-year-old)

**"The bicycle test"** (theory & practice in traffic), 10-12 lessons



**63 % of all pupils in Denmark in 2022/2023**  
(2021/2022: 59 %)

- Public schools: 68 %
- Private schools: 51 %

**Grade 8-9**  
(14-15-year-old)

Visit in class by **"Sikker Trafik LIVE"** ambassador, 10-12 lessons



**53 % of all pupils in Denmark in 2022/2023** (2021/2022: 42 %)  
Public schools: 55 %, Private schools: 49 %

## **Sikker Trafik LIVE**

- 2022/2023: 36.683 pupils have attended a visit by LIVE (covering 831 school visits)
- Pupil evaluation: Just after visit + 6-12 months after visit
- **Randomised control group effect evaluation Sikker Trafik LIVE by VIVE (external):**  
<https://www.trafficsafetyeducation.eu/seminars/learn-manual-webinar-2021/>

**"360 degrees"**  
(Soc. Science, Religion), 2-4 lessons



# TRAFFIC SAFETY EDUCATION IN DENMARK

- IN UPPER SECONDARY EDUCATION (HIGH SCHOOLS, VOCATIONAL SCHOOLS, COLLEGES) = 16-18 YEARS OLD

- The majority of European countries have signed the UNECE's Convention on Road Traffic (also known as the "1968 Vienna" Convention) and have thereby committed to provide road safety education:

*"Article 3(5bis). Contracting Parties will take the necessary measures to ensure that road safety education be provided on a **systematic and continuous basis**, particularly in schools **at all levels.**"*

- **Not mandatory to teach** in upper secondary education
- **No national goals for Traffic Safety education** in upper secondary education.

# TRAFFIC SAFETY EDUCATION IN DENMARK

- IN UPPER SECONDARY EDUCATION (HIGH SCHOOLS, VOCATIONAL SCHOOLS, COLLEGES) = 16-18 YEARS OLD

**Vocational upper secondary education (eud)** (e.g. building & construction, social helper, carpenter etc.), agricultural colleges (targeting analysis: 7 out of 10 accidents) etc.  
(16-25 years old)

All upper secondary education is offered to get visits by our Sikker Trafik LIVE (marketing twice a year to schools)

**Higher vocational education qualifying for access to higher education (universities etc.):** Higher General Examination Programme (stx), Higher Technical Examination Programme (htx), Higher Commercial Examination Programme (hhx)  
(16-18/19 years old)

## Visit = 3 hours:

- Preferably max 40 students (in practice 10-60 pr. visit)
- Young presenter: Facts & exercises
- Story by ambassador = a relative
- Including 2 breaks app. 20 min. each
- Mobile survey evaluation at end (& after 6-12 months)
- 2022: 128 visits (including 17 on agriculture colleges)

## Visit = 1½ hours:

- 150-200 students
- Young presenter: On-spot survey of students knowledge/attitudes/behaviour + facts
- Story by ambassador = a relative
- Mobile survey evaluation at end (& 6-12 months after)
- 2022: 17 visits





# OTHER TRAFFIC SAFETY FOCUS IN DENMARK

- IN UPPER SECONDARY EDUCATION (HIGH SCHOOLS, VOCATIONAL SCHOOLS, COLLEGES) = 16-18 YEARS OLD

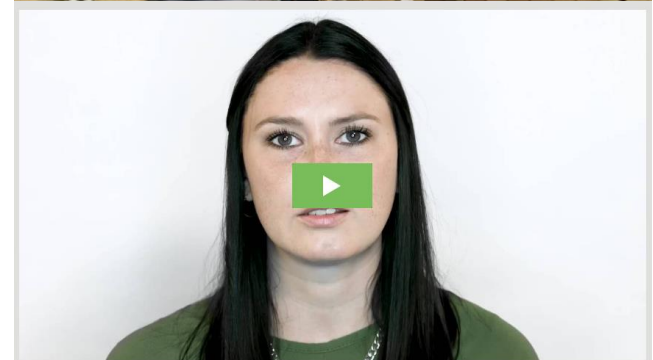
ONE OF DENMARK'S 12 POLICE DISTRICTS HELP "NUDGE" UPPER SECONDARY EDUCATION IN THEIR DISTRICT TO GET VISITS BY SIKKER TRAFIK LIVE & TO ENCOURAGE THE SCHOOLS TO FOCUS ON TRAFFIC SAFETY

The police district has made a **network for headmasters and education managers** from the upper secondary education schools in their police district.

The network meets 4 times a year. Not all schools participate, but there is an increase in schools participating. Sikker Trafik participates in some of the meetings. Result = **large increase in LIVE visits.**

**The police also offer the schools:**

- **Short presentations** by the police during the schools' morning assembly. As part of this they show our short 3 minutes film with young girl Pernille who lost her brother in a traffic accident
- A **mobile police station** at the schools, so the students can speak to the police in breaks (e.g. about traffic safety).



Pernille mistede sin storebror i en fartulykke, da hun var 13 år. Her fortæller hun sin rørende historie.

# OTHER TRAFFIC SAFETY FOCUS IN DENMARK

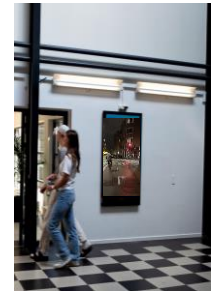
- IN UPPER SECONDARY EDUCATION (HIGH SCHOOLS, VOCATIONAL SCHOOLS, COLLEGES) = 16-18 YEARS OLD

DENMARK'S LARGEST MUNICIPALITY – MUNICIPALITY OF COPENHAGEN – INCLUDE TRAFFIC SAFETY WHEN THEIR HEALTH CARE ADMINISTRATION VISITS UPPER SECONDARY EDUCATION SCHOOLS

When the Municipality of Copenhagen have visits to all the Upper Secondary Education Schools in their municipality regarding young people's alcohol consumption, they **include a road safety message about not riding drunk on a bicycle** and they **show our film** regarding this.

The Municipality of Copenhagen has made the schools show the film on the schools' infomedia screens.

(We also use (and pay for using) the schools' infomedia screens when we show our campaign films for 17-14-year-old).





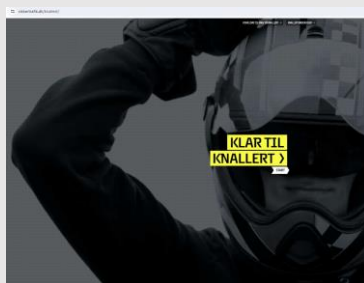
# OTHER TRAFFIC SAFETY EDUCATION

- FOR 15-18 YEARS OLD (AND OLDER)

## Moped driver's licence

(from 15 years old for 30 km/h moped)

- Material developed by us
- Twice a year we educate youth schoolteachers, who teach young people
- The teaching follows EU's Moped Directive



## Car driver's licence (and for MC & Tractor)

(from 17 years old)

- We have developed "Traffic-related first aid part of driver's license training", "Education in why do traffic accidents happen/risk assessment" and homepage for 17-year-old and their parents regarding taking driver's licence at 17 years old

### First aid - before the accident occurs

Hvis du skal afholde færdslørelærende førstehjælpskursus for udenlandske kursister, så findes undervisningsmateriale til kurset til bil/MC/traktor i en engelsk oversættelse.

Herunder kan du downloade og bilde instruktørvejledningen og Powerpointen på engelsk.

Drivertovet er der lagt undertekster på de filmklip, som indgår i materialet. I presentationen er der links til filmklippene. Underteksterne aktiveres ved at klikke på det lille ikon 'CC', som kommer til syne i nederste højre hjørne, når du klikker på videoen.



Instruktørvejledning First Aid Before The Accident Occurs Car/MC/Traktor Januar 2021

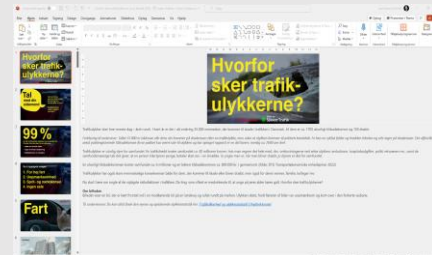


First Aid Before The Accident Occurs Car/MC/Traktor Januar 2021



Also in English:

<https://sikkertrafik.dk/un-dervisning/forstehjaelp/bil-motorcykel-og-traktor/>



# TRAFFIC SAFETY EDUCATION IN DENMARK

- HIGHER EDUCATION: FOR INSTANCE UNIVERSITIES & BUSINESS SCHOOLS = 19/20-25 YEARS OLD (OR OLDER)

- The majority of European countries have signed the UNECE's Convention on Road Traffic (also known as the "1968 Vienna" Convention) and have thereby committed to provide road safety education:

*"Article 3(5bis). Contracting Parties will take the necessary measures to ensure that road safety education be provided on a **systematic and continuous basis**, particularly in schools **at all levels.**"*

- Not mandatory to teach in higher education
- No national goals for Traffic Safety education in higher education.

# TRAFFIC SAFETY EDUCATION IN DENMARK

- HIGHER EDUCATION: FOR INSTANCE UNIVERSITIES & BUSINESS SCHOOLS = 19/20-25 YEARS OLD (OR OLDER)

**TEACHER'S SEMINARS** (education for future teachers in primary and lower secondary schools)

- All seminars are offered visit by Rådet for Sikker Trafik; 1-day course for students who would like to teach TSaME

**"HELP A HELMET-LESS" / "HELMET TO GO"**

- Pop-up-shops on selected higher education. 2-3 days
- Sale of bicycle helmets for 150 Danish kroner (=20 Euro)
- 350 to 450 helmets sold at each shop
- 98 % - who did not have a helmet before – still use the helmet (in some degree) 7 months after the event
- 88% have talked to others about helmets
- 97 % likes the pop-up shop much or very much.

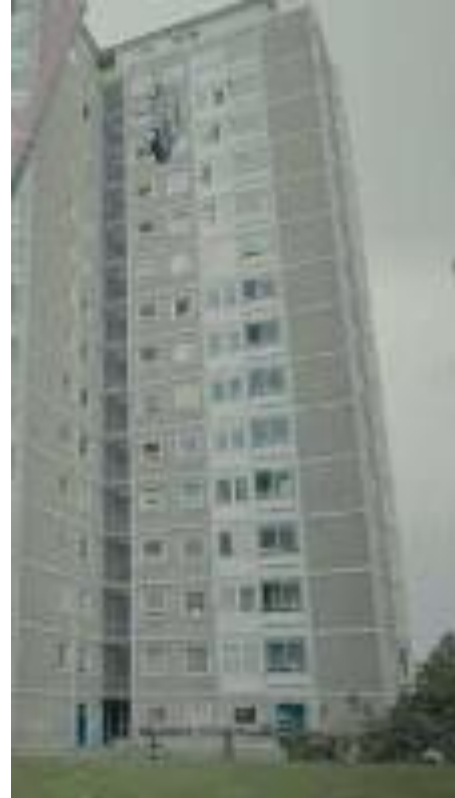
**NO OTHER TSaME OFFERED FOR HIGHER EDUCATION IN DENMARK**



# CAMPAIGNS FOR 18-24-YEAR OLD



Drink-driving



Facts on speeding

**And from  
November  
27 a new  
film for 17-  
24-year-old  
car drivers  
& -  
passengers  
regarding  
inattention  
in car**

# RECOMMENDATIONS

- ✓ Investigate and be realistic: Find out how much time is possible for TSaME for different school levels/school types. In Denmark it is e.g. approximately 2-4 lessons/hours for many grade 8 and 9 (for the 14-15-year-old) (= not per year but sum of 2 years). This means we only prioritize TSaME for this age group that takes 2-4 hours to teach (!)
- ✓ Prioritize: If you have several TSaME materials for a certain age group then prioritize the most effectful ones - Need2 TSaME versus Nice2 TSaME - and communicate this to the schools
- ✓ Quality TSaME materials – tested and evaluated (LEARN principles and manual)
- ✓ Monitor TSaME – preferably - every year via national survey to all schools, so you know if they teach what you have prioritized - and make it as easy for them as possible to answer
- ✓ Get TSaME included in national legislation, plans, KPIs/goals.

