

17th of September 2026

Adrian Sabiti Huseini, Traffic Safety Team

The Climate, Environment and Technical Administration

City of Copenhagen

Self-reported crash locations

Adrian Sabiti Huseini,
E: F420@kk.dk, M: 2184 8744



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Self-reported accidents

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Background and Motivation

- Many traffic accidents **are not** captured in official statistics.
- Danish hospitals record more than **32,000 patient** contacts related to traffic accidents each year, approximately half of which involve cyclists.
- Hospital data **lack** information **on the location** and **circumstances** of the accidents.



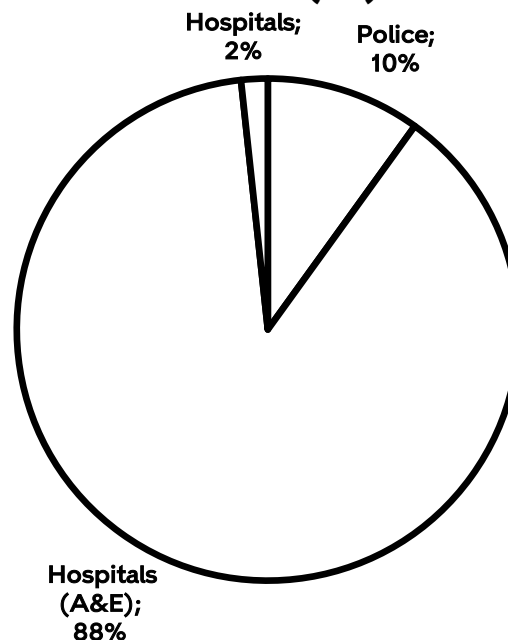
How it started – long story short

Traffic Accidents, Emergency Departments and Data

In November 2019, some municipalities met to discuss the use of emergency department data.

In 2022 and 2024, the Regional Council of the Capital Region of Denmark allocated a total of DKK 1.3 million to collect new data on traffic accidents.

TYPE OF REPORTING, TOTAL (%)



The working group



Region
Hovedstaden

FREDERIKSSUND
KOMMUNE



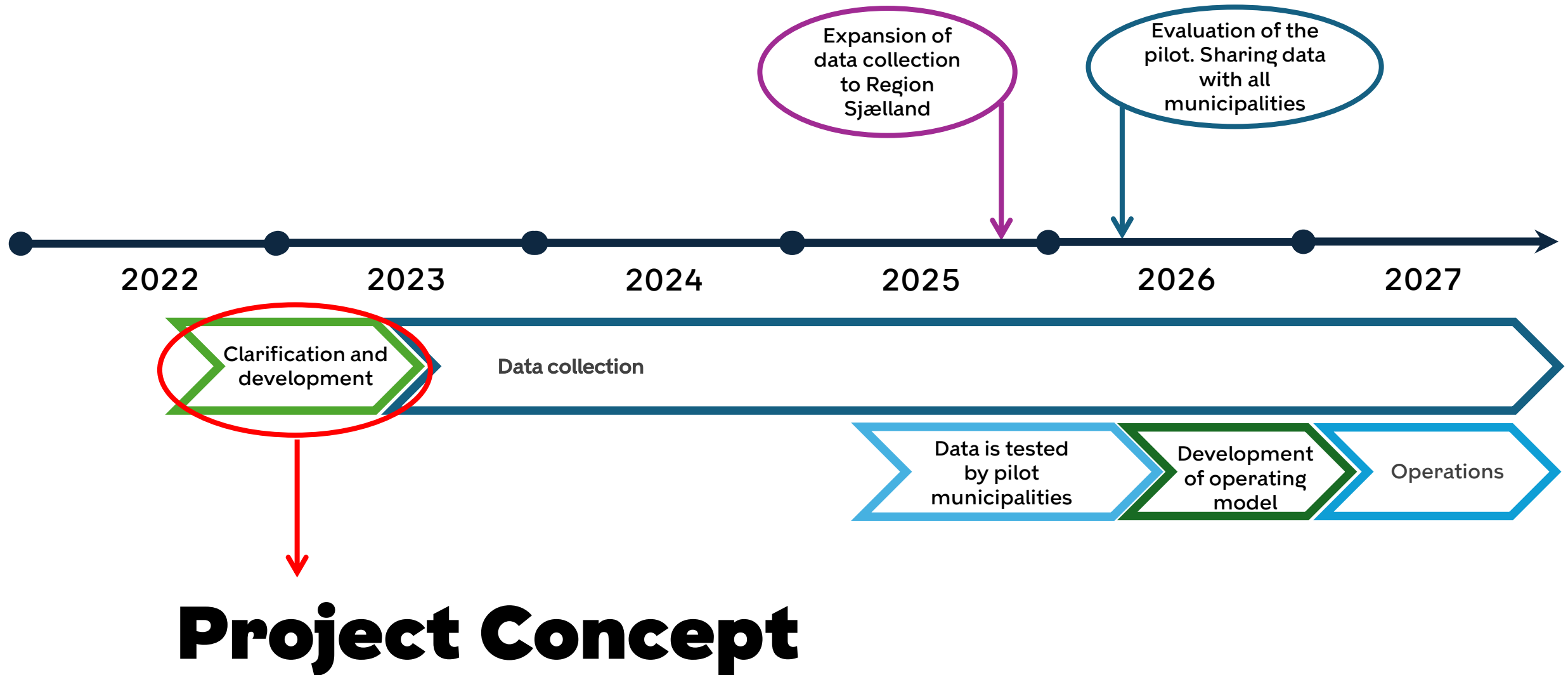
Halsnæs
Kommune



Gladsaxe Kommune



FREDENSBORG
KOMMUNE



Overview of the project concept

- Survey sent every two months via e-Boks/Digital Post to people who have been in contact with a hospital in Eastern Denmark following a traffic accident
 - >1,000 contacts/month in the Capital Region
- Control group of people with no hospital-registered traffic accident
 - Purpose: to capture unreported accidents and assess perceived road safety*
- Data are compiled and shared with municipalities

The survey

The Accident:

- Time and date
- Geolocation
- Accident circumstances
- Position on the road
- And more...

The Individual:

- Mode of transport
- Vehicle defect
- Helmet/seat belt use
- Driver/passenger

Other Road User(s):

- Mode of transport
- Position/situation

Road Conditions

- Slippery surface
- Darkness / poor visibility
- Loose gravel
- And more...

Consequences

- Absence from work
- Permanent impairment
- Changes in travel behaviour

Injuries

- Cuts / lacerations
- Sprains
- Fractures
- And more...

Person

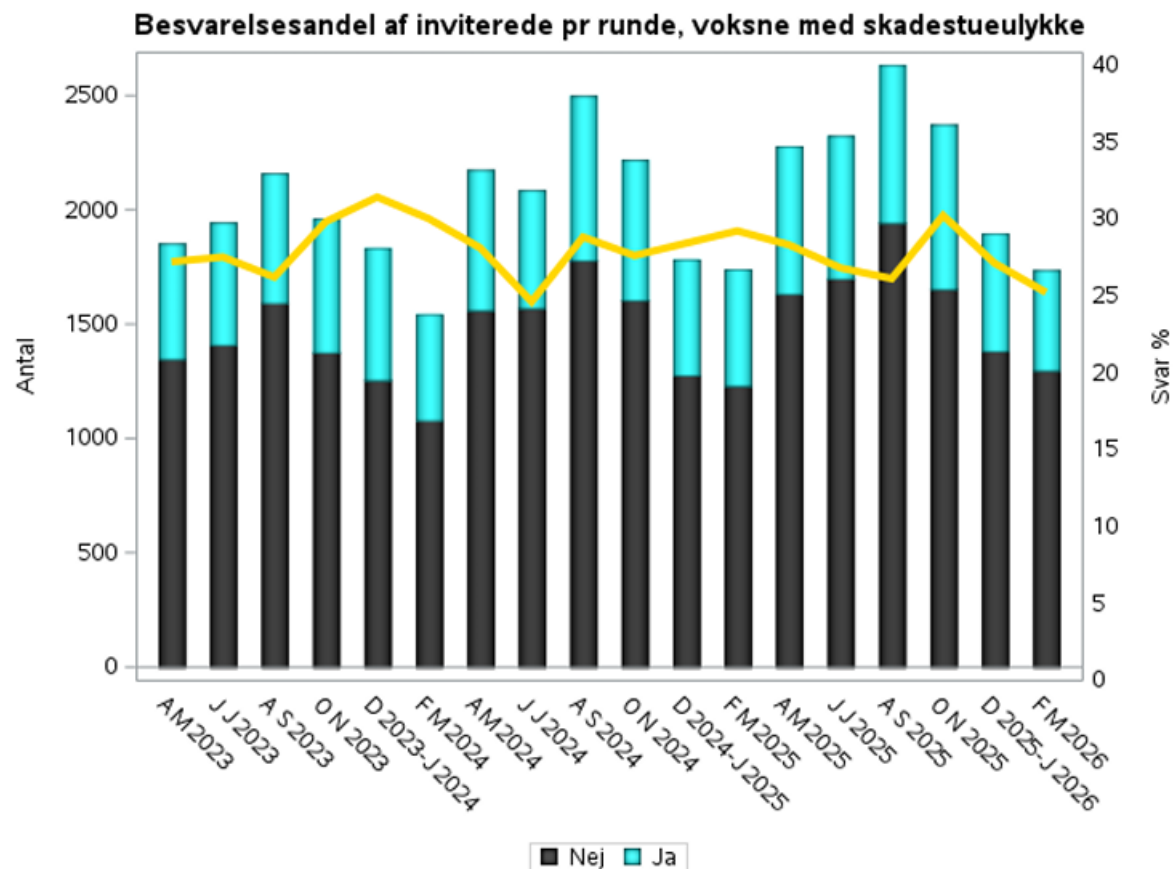
- Gender
- Age
- Control/patient

Behaviour

- Under the influence
- Inattentive
- Mobile phone use
- And more...



Response rate april 2023-may 2026

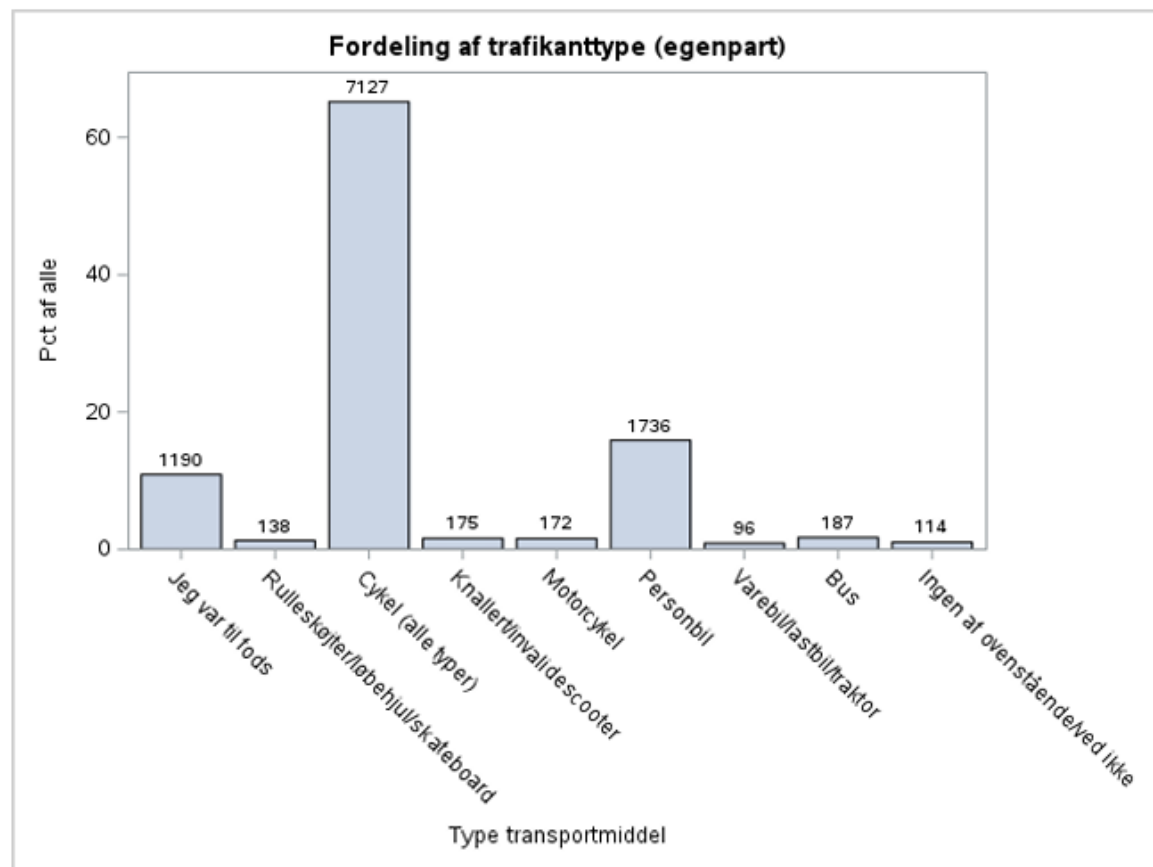


Invited: 113.157
Adults: 37.057
Children: 3.228
Controls: 72.872

Parameter	Kategori	Voksne	Børn	Kontroller
Alle inviterede		37057	3228	72872
Inviterede pr køn	Mand	52% (19217)	64% (2052)	51% (37353)
	Kvinde	48% (17840)	36% (1176)	49% (35519)
Besvarede		28% (10327)	33% (1054)	19% (14100)
Besvarede blandt mænd/drenge		24% (4548)	33% (684)	18% (6591)
Besvarede blandt kvinder/piger		32% (5779)	31% (370)	21% (7509)

The Individual | Other party

Figur 4. Egenpart trafikulykke. Børn, voksne og kontroller med ulykke



Tabel 4. Egenpart vs modpart. Børn, voksne og kontroller med ulykke

Egenpart	Angivet modpart			
	Trafikant	Genstand	Trafikant+genstand	Ingen
Til fods	17% (199/1195)	2% (23/1195)	1% (12/1195)	80% (952/1195)
Cykel	34% (2459/7182)	4% (276/7182)	2% (136/7182)	59% (4234/7182)
Knallert/invalidescooter	37% (64/174)	5% (9/174)	3% (5/174)	53% (92/174)
Motorcykel	44% (76/172)	2% (4/172)	1% (2/172)	51% (87/172)
Personbil	78% (1423/1831)	4% (69/1831)	2% (34/1831)	14% (265/1831)
Bus	20% (38/187)	4% (7/187)	5% (9/187)	68% (127/187)
Andet	30% (120/404)	2% (9/404)	2% (7/404)	61% (248/404)

Tabel 5. Modpart med største betydning. Børn, voksne og kontroller med ulykke

Egenpart	Modpart med størst betydning				
	Fodgænger	Cykel	Personbil	Varebil, lastbil, bus	Andet
Til fods	13% (28/211)	33% (70/211)	40% (85/211)	5% (10/211)	7% (15/211)
Cykel	8% (196/2595)	42% (1085/2595)	37% (965/2595)	7% (188/2595)	5% (136/2595)
Personbil	0% (3/1457)	1% (10/1457)	80% (1163/1457)	15% (223/1457)	2% (29/1457)
Andet	3% (10/321)	7% (22/321)	52% (168/321)	21% (66/321)	15% (47/321)

A Closer Look at the City of Copenhagen

Maj 2023-december 2025

Transportmiddel	Selvrapp.		Vejman	
Jeg var til fods	369	13%	198	24%
Rulleskøjter, løbehjul, skateboard mm	28	1%	12	1%
Cykel (alle typer)	2197	75%	481	57%
Knallert eller scooter	22	1%	26	3%
Invalidescooter	13	0%	1	0%
Motorcykel	19	1%	23	3%
Personbil	159	5%	64	8%
Varebil	6	0%	5	1%
Lastbil	3	0%	1	0%
Bus	57	2%	7	1%
Ingen af ovenstående/ved ikke	15	1%		0%
Spørgsmål ej relevant (tom)	13	0%		0%
Hovedtotal	2933		838	

- Single-pedestrian crashes
- Single-cyclist crashes
- Cyclist-cyclist crashes

Vejman	
Personskadeulykke	808
Materielskader	614
Anden M-skader	2.719

Behavioural factors

237 were distracted by something

123 used a phone or other electronic device

166 were lost in thought

226 were under the influence of alcohol



Other Factors

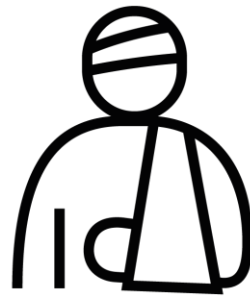
- 97 – Mechanical failure
- 107 – Potholes
- 222 – Slippery road conditions
- 150 – Rain
- 42 – Strong winds



Fatalities and Injuries, 2023–2025



6



190



143

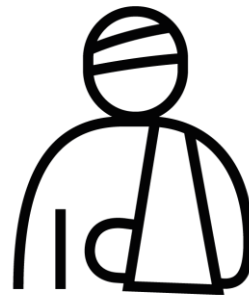
Fatalities and Injuries, 2023–2025

0



6

1662



190

780



143

Bryggebroen

May 2023 – December 2025

Police reported – Injuries

Police reported – All accidents

Self-reported

Sidehoved

Damhussøen

May 2023 – December 2025



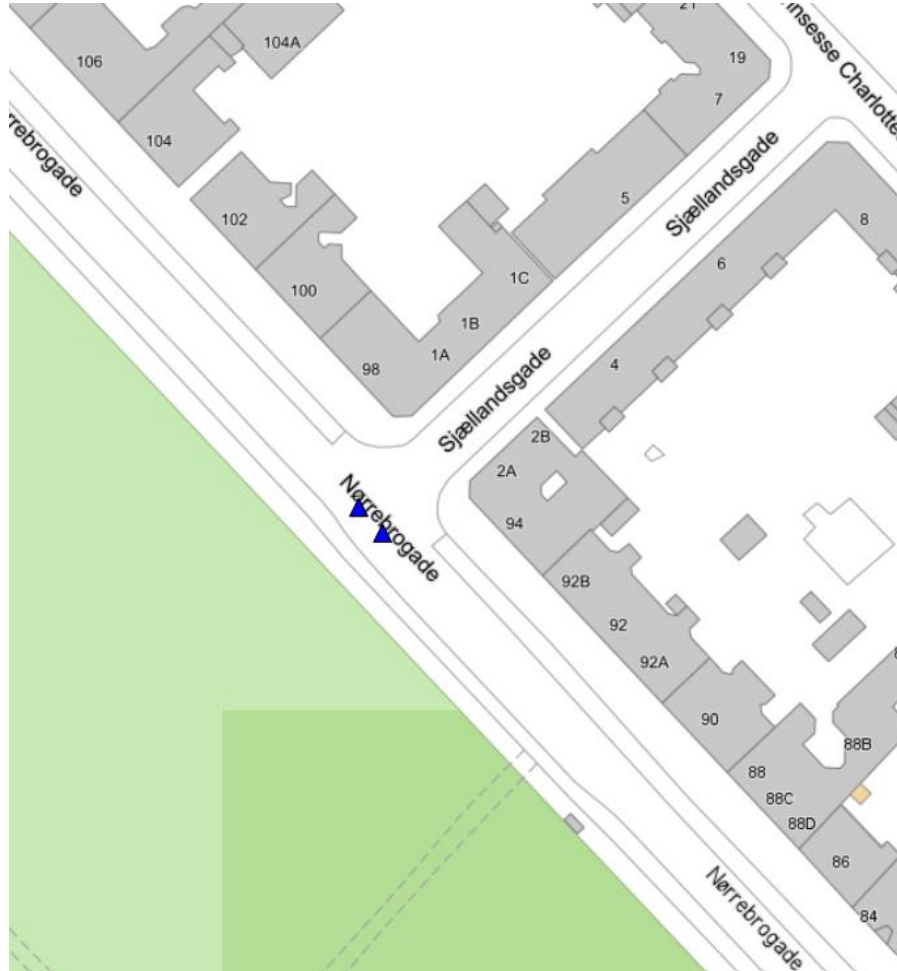
Police reported – All accidents



Self-reported

Nørrebrogade

May 2023 – December 2025



Police reported – All accidents



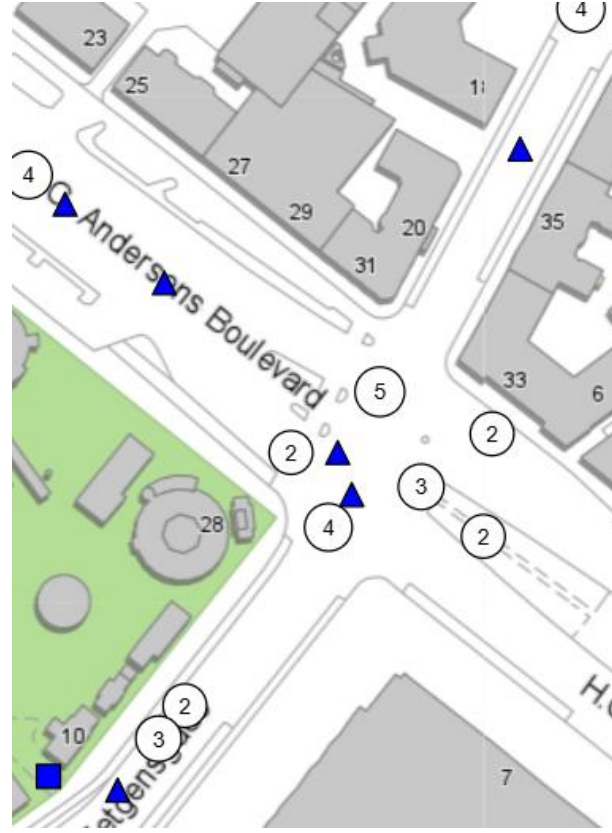
Self-reported

H.C.Andersens Boulevard – Tietgensgade

May 2023 – December 2025



Police reported – Injuries



Police reported – All accidents



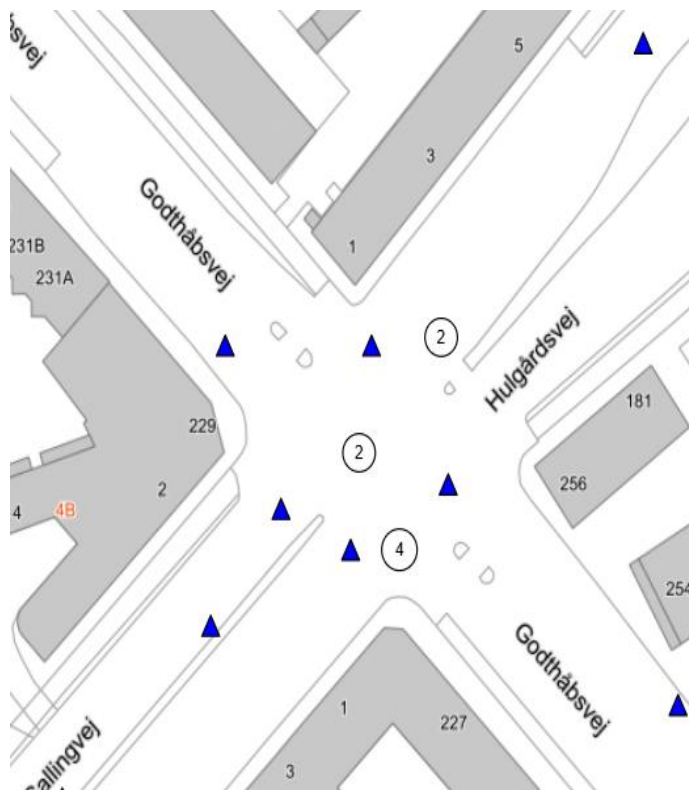
Self-reported

Sallingvej – Godthåbsvej

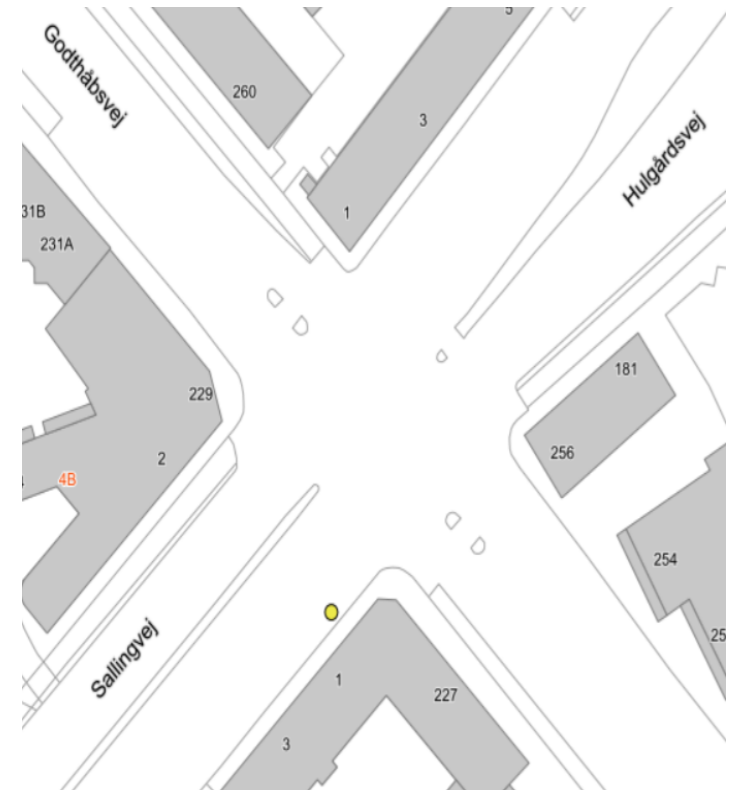
May 2023 – December 2025



Police reported – Injuries

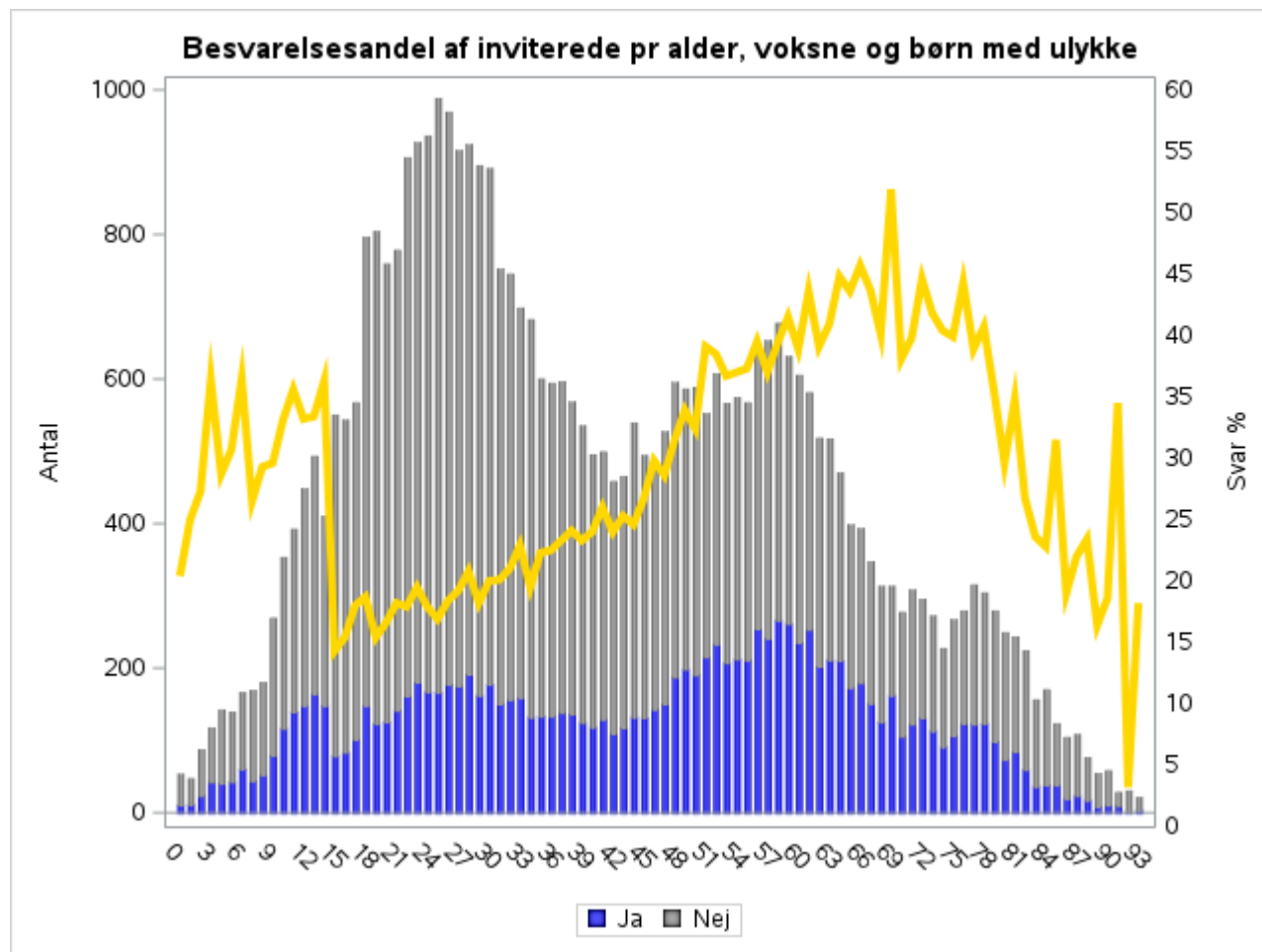


Police reported – All accidents

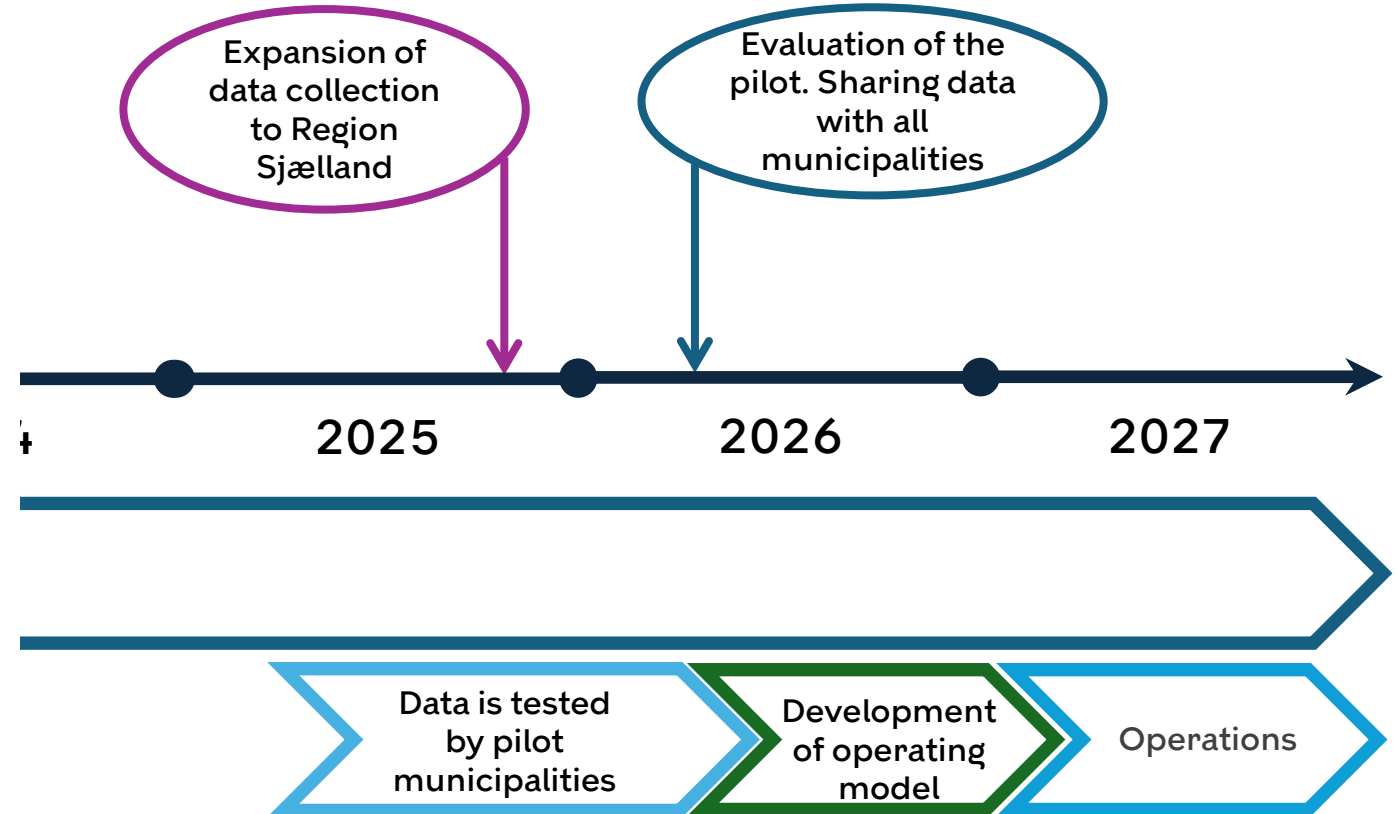
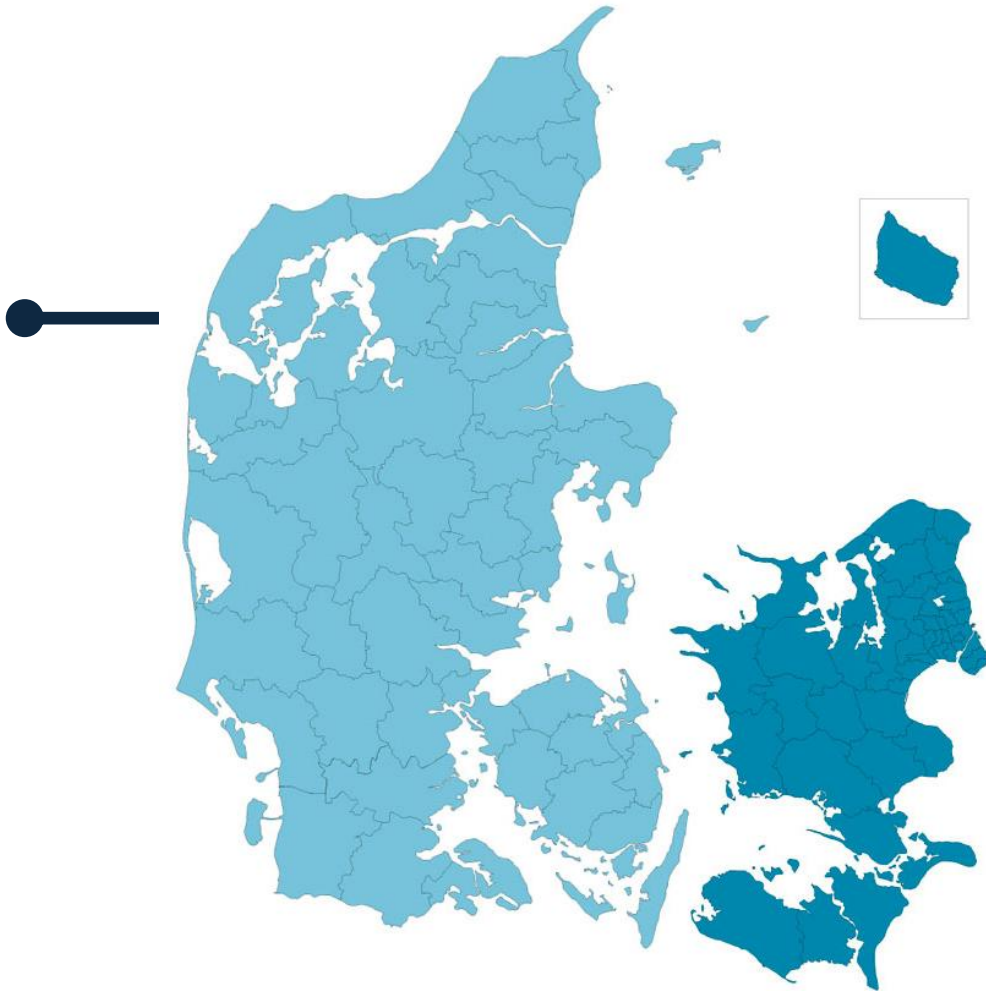


Self-reported

What Should We Be Aware Of?



Status?



Future Financing

- **Estimated annual operating cost: approx. DKK 600,000 for the Centre for Clinical Research and Prevention**
- **Covers costs for:**
 - **Data management, survey distribution, analyses and reporting**
 - **Data from the Danish Health Data Authority**
 - **Digital Post**
 - **Operation and maintenance of IT programs (maps, SurveyXact)**

Future ambitions

- Coordination of surveys
- Survey simplification
- Definition of accident scenarios
- Simplified location reporting
- Increasing the response rate
- Engaging young people
 - Dialogue with the Danish Agency for Digital Government
- Outreach strategies

Questions or comments?