

Serious Injury Data Collection in Sweden

Linking police and hospital data – a national approach

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PIN Talk – Reducing serious injuries in Europe, Online, November 4th 2025

Upcoming publication

- Serious Injury Data Collection Toolkit
 - How to start collaboration with hospitals to collect road traffic injury data
 - Based on the Swedish experience
- IRTAD/ITF publication i April 2026

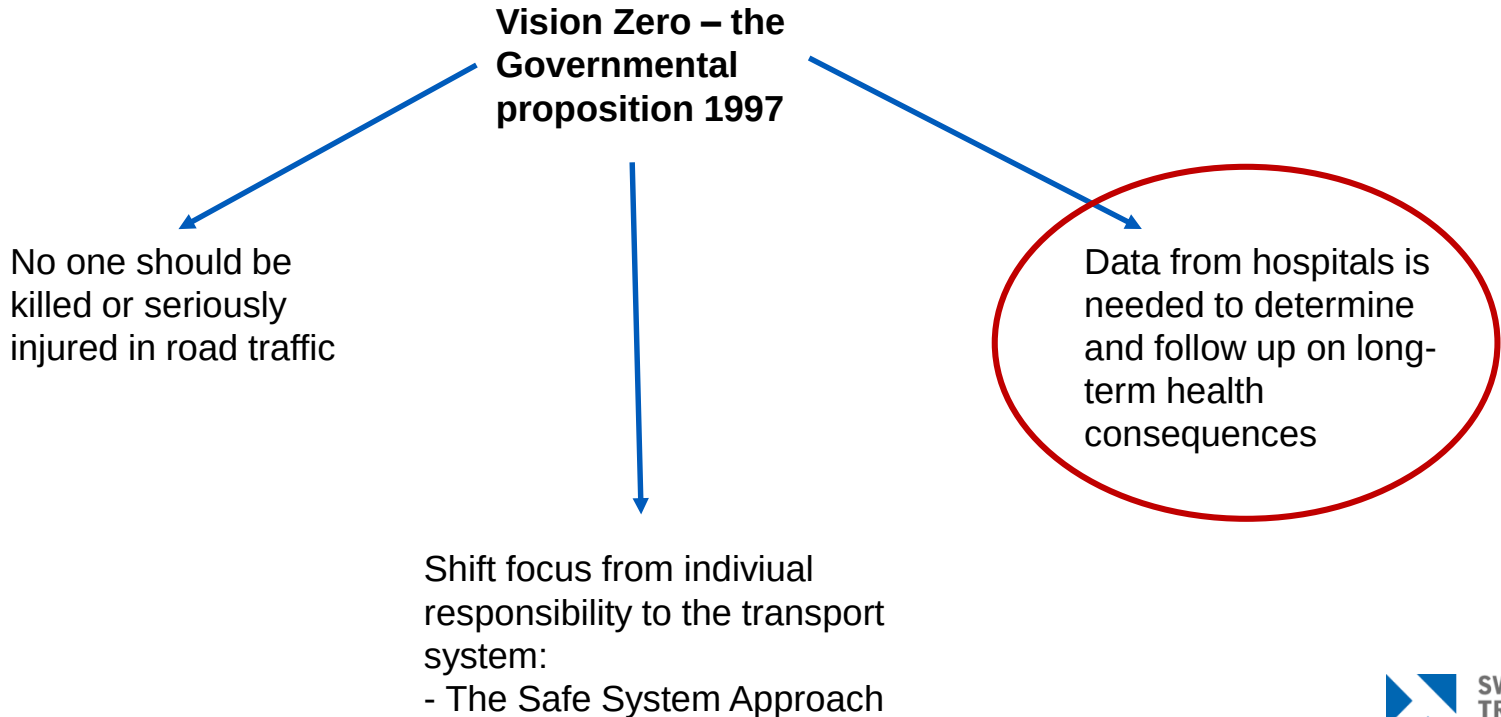
Content

- Where it all started - The Road Safety Journey
- The new information system STRADA (Swedish Traffic Accident Data Acquisition)
- Data flow chart
- Current and future challenges for serious injury reporting



Picture source: HeyClipart.com

The Road Safety Journey - Where it all started

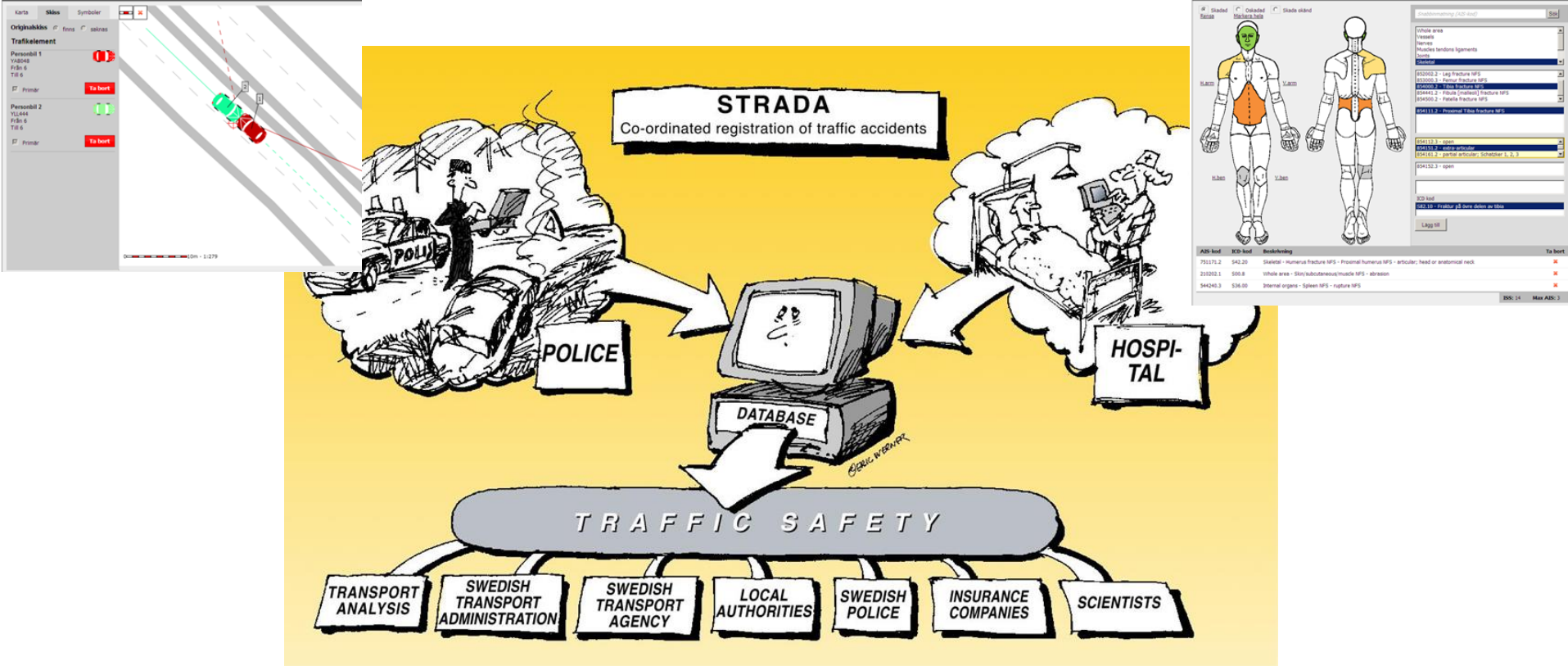


The birth of STRADA (Swedish Traffic Accident Data Acquisition)

- The new information system including and combining police data on accidents and hospital data on persons injured in traffic

The police reports:
All accidents in road
traffic where at least
one person was
injured

The hospitals report:
All persons seeking care at
the emergency department
as a consequence of a road
traffic accident



STRADA enables road safety on local, regional and national level

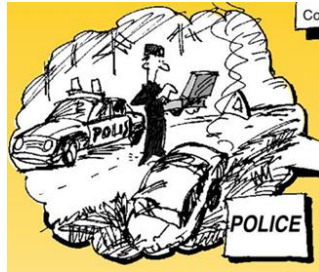
STRADA data flow chart

Lars Andersson
Unique ID:
1978-09-02-XXXX



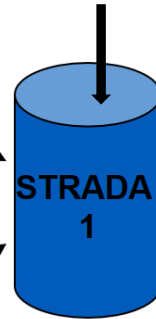
Picture source: HeyClipart.com

Data input

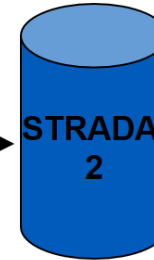


Individual data linkage using

1. 1978-09-02-XX1X
2. Coordinates
3. Time of crash



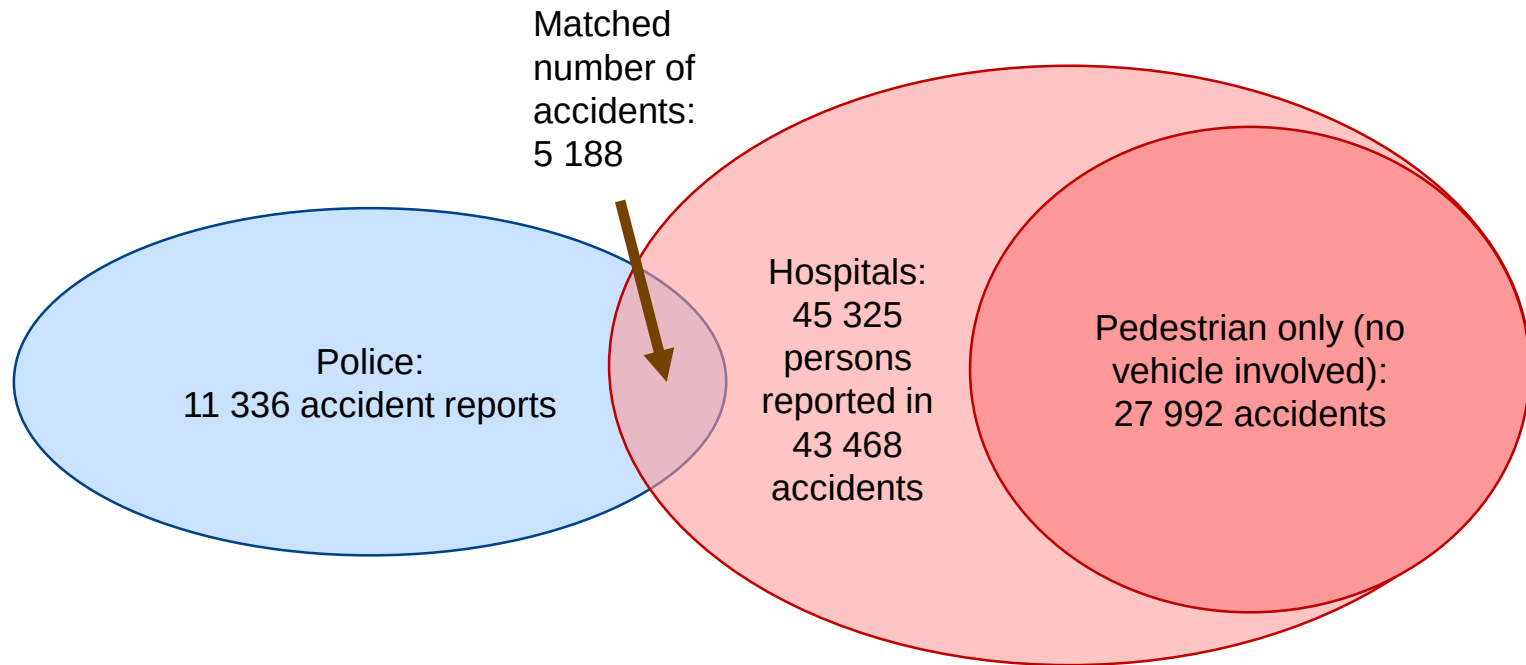
data de-identification



Anonymous data output



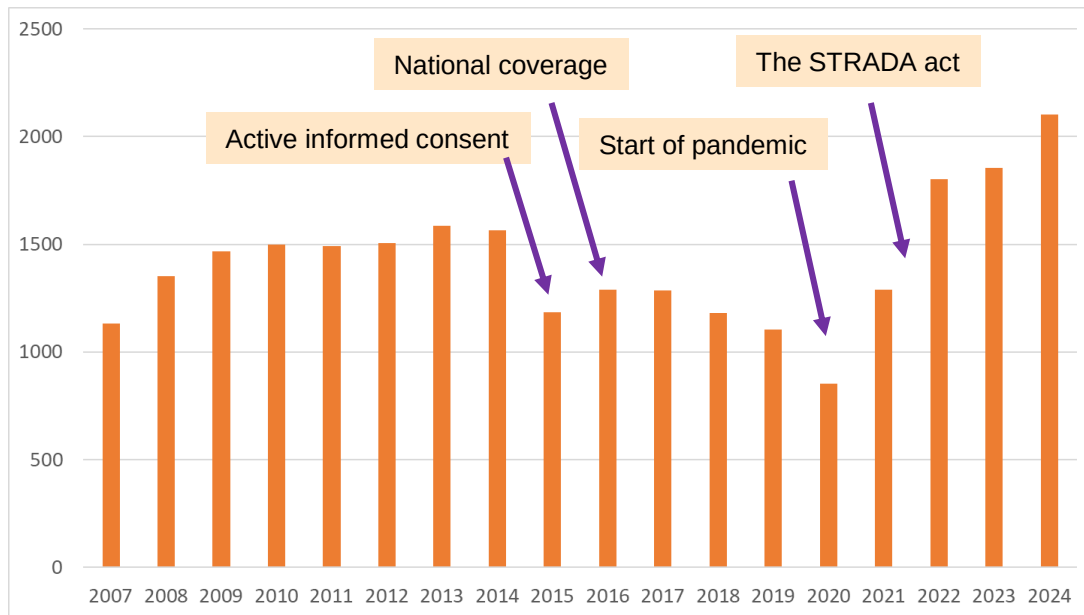
Proportion of reports in Sweden 2024



Persons with MAIS3+ injuries, Sweden 2007-2024

Fluctuations due to:

- Change in routine of informed consent
- National coverage (70+ hospitals) achieved in 2016
- Start of the pandemic 2020
- The STRADA act June 2021



The challenges of serious injury follow-up using AIS coding – some examples

- Underreporting
 - Hospitals prioritize patients, not data collection
 - Organizational changes at the hospitals affects the routine of data collection
 - Change of staff – need for replacement

Current and future challenges for MAIS3+ and serious injury data collection

- Continuity
 - Stable data collection routines at the hospitals

Thank you
for your
attention!



Picture source: HeyClipart.com

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