

# Microscopic Traffic Simulation outputs for "Evaluation of the potential of speed-limiting geofencing" : Data set for VTI rapport 1190A

**SND-ID:** 2024-405.

## Citation

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## Creator/Principal investigator(s)

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## Research principal

[Swedish National Road and Transport Research Institute](#)

## Description

This data repository contains all outputs from the microscopic traffic simulation experiment of speed-limiting geofencing for a hospital zone in an urban corridor of Gothenburg, Sweden as a part of the research project entitled "Evaluation of the potential of speed-limiting geofencing" (VTI rapport 1190A). The outputs include speed distributions, 85th Percentile speeds, tailpipe emissions and energy use for interrupted (signalized pedestrian crossing) and uninterrupted road facility and for different market penetration rates of geofenced vehicles at different demand levels.

The dataset was originally published in DiVA and moved to SND in 2024.

## Data contains personal data

No

## Language

[English](#)

## Funding

- Funding agency: Trafikverket
- Funding agency's reference number: TRV 2021/52944

## Identifiers

URN: [urn:nbn:se:vti:diva-20089](https://nbn-resolving.org/urn:nbn:se:vti:diva-20089)

## Research area

[Transport systems and logistics](#) (Standard för svensk indelning av forskningsämnen 2011)

## **Keywords**

[Traffic safety](#), [Traffic areas](#), [Driving speed](#), [Simulation](#)

## **Publications**

Nygårdhs, S., Bhattacharyya, K., Gebrehiwot, R., Genell, A., Gustafsson, M., Olstam, J., ... Vadeby, A. (2023). Evaluation of the potential of speed-limiting geofencing : Effects on traffic safety, health, and the environment. Retrieved from Statens väg- och transportforskningsinstitut website:

<https://urn.kb.se/resolve?urn=urn:nbn:se:vti:diva-20064>

**URN:** <urn:nbn:se:vti:diva-20064>

## **Accessibility level**

Access to data through an external actor

Data are freely accessible

## **Download metadata**

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