

# Transport Statistics - Malta

Challenges, Improvements and Future Projects

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# General Overview

## What statistics do we compile and publish?...

### Sea Transport

- Number and tonnage of vessels entered /cleared classified by type, nationality, country of origin /destination
- Number and tonnage of vessels entered/cleared classified by range of gross tonnage and duration of stay in harbour
- Foreign yachts arriving in Malta and Yacht Marinas berthing capacity
- Stock of fishing vessels by type of vessels, length group, construction material, age group, primary engine fuel, etc
- Cruise passenger transits, embarkations, landings
- Sea transport between Malta and Gozo
- Gross tonnage of cargo loaded and unloaded

### Air Transport

- Passenger movements by country and region
- Mail and cargo movements



# General Overview

## ...What statistics do we compile and publish?

### Road Transport

- Stock of licensed motor vehicles by vehicle category, engine capacity/GVW and motor energy type
- Average age of motor vehicles
- Transport-related contraventions
- Driving licence holders by sex and age group
- Road Traffic Accidents – Injury and Non-Injury
- Road Traffic Casualties by injury type, sex, age group, nationality, road traffic unit and vehicle category
- Public transport commuters by region, type of ticket and route
- Road investment and maintenance conducted by the Government
- Gross inland and road fuel consumption by fuel type
- Estimated vehicle yearly distance travelled by motor energy type, vehicle category, engine capacity/GVW and vehicle age group.



# Data Sources

## Administrative or Survey-based?

### Administrative Data Sources

#### mostly used

- Transport Malta: regulator
- Malta Police Force
- Malta Insurance Association
- Malta International Airport plc
- Gozo Channel Ltd

### Survey

#### rarely used

- National Household Travel Survey: every 10 years








# Publication of Transport Statistics

## How?

### Quarterly News Releases

- Sea Transport between Malta and Gozo
- Motor Vehicles
- Road Traffic Accidents

Published on NSO's website  
<https://nso.gov.mt/transport/>

News Releases					
	Road Traffic Accidents: Q4/2023	NR 027/2024	14 February 2024	Transport	●
	Motor Vehicles: Q4/2023	NR 021/2024	2 February 2024	Transport	●
	Sea transport between Malta and Gozo: Q4/2023	NR 013/2024	23 January 2024	Transport	●
	Road Traffic Accidents: Q3/2023	NR196/2023	08 November 2023	Transport	●
	Motor Vehicles: Q3/2023	NR194/2023	6 November 2023	Transport	●

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# Publication of Transport Statistics

## How?

### Annual Transport Statistics Publication

<https://nso.gov.mt/transport/>

#### Publications

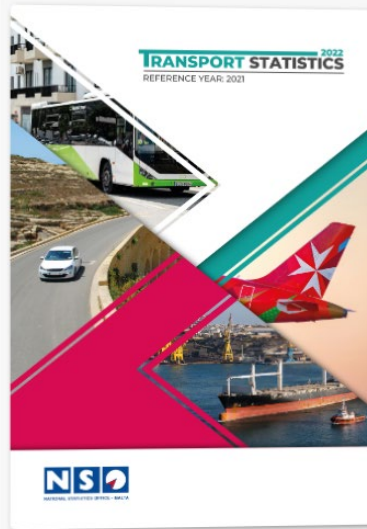
Transport Statistics 2023

12 March 2024



Transport Statistics 2022

30 March 2023



# Challenges Faced

## Which? . . .

Mostly related to our **Data Sources**: strong as our weakest link

### Electric Vehicle charging infrastructure data collection:

- collected transactional data related to only a subset of the EV public charging infrastructure market;
- have been in discussions on the subject matter for over a year, however same status quo;
- as to date, did not manage to collect all the data from one source despite the single national access point specified in the AFIR regulation
- thus, issue of completeness at this stage.

### Monitoring of SDGs:

- difficulties relate to the monitoring of indicator 9.1.2 on passenger and freight volumes by mode of transport, in particular with respect to passenger-km.



# Challenges Faced

## ... Which?

**Timeliness:** Policy makers and users in general are mostly interested in real time statistics. However, most often data is provided at a time lag which makes published statistics irrelevant. Cargo data remains the most challenging in terms of timeliness and quality.

**Completeness:** Statistics on Vehicle distance travelled is not complete as odometer readings for agricultural motor vehicles, motorcycles, e-bicycles, PA-bicycles, e-kick scooters, quadricycles and ATVs are not available as not required by law to undertake a vehicle road worthiness test.

As to road traffic accidents data, police input the data manually which is prone to manual errors and lacks geo-coordinates.

**Response Rate:** Low response rates remain an issue for any conducted surveys.



# Improvements

## What?

**Automation:** Most statistical processes related to the transport domain have been automated mainly using the R programming language. This also includes the verification and checking of the data.

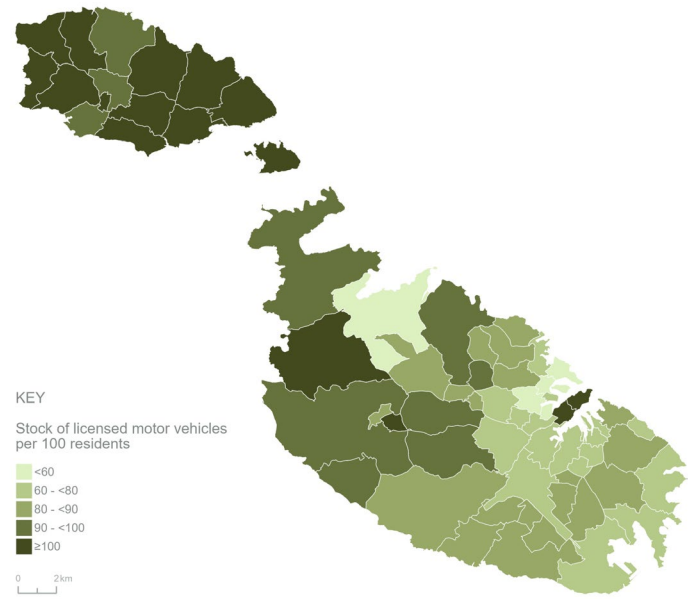
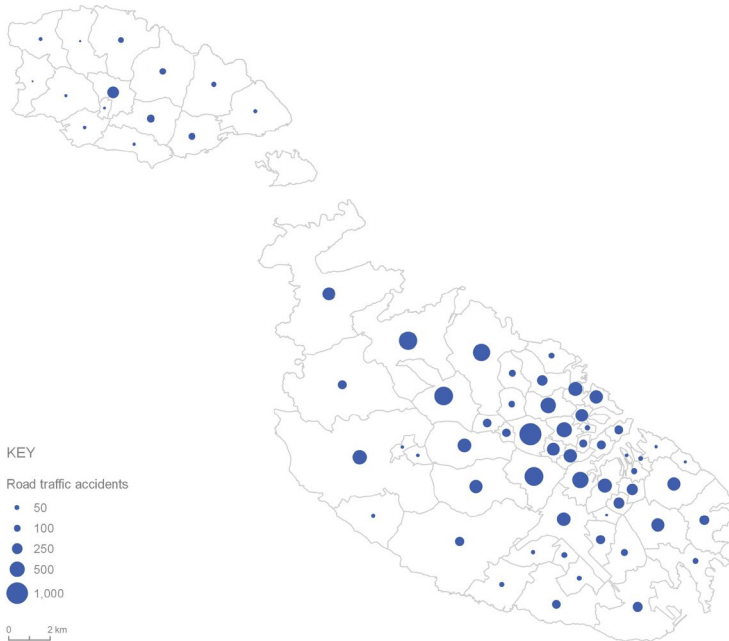
**Timeliness:** Improved timeliness in processing and publishing the 3 quarterly news releases which are now published within t+30 days.

**Quality:** Strengthened collaboration with our administrative data sources. This resulted in enhanced data quality as early detection of anomalies in the data has led to data sources rectifying the anomalies and/or providing a clear explanation.

# Improvements

## What?

Introduction of Geospatial statistics:



# Future Projects

## What?

- Develop more relevant and innovative statistics based on the microdata linking of different administrative databases available at NSO.
- Initiate and maintain the compilation of microdata regarding electric vehicle public charging infrastructure.
- Integrate transport and energy statistics in line with European Green Deal requirements.
- Enhance quality and relevance of transport statistics through more effective presentation and dissemination.



**Thank you for your attention**

