

Convegno PIN: Migliorare la sicurezza degli utenti dei monopattini elettrici, 15 Novembre, Roma

PIN Talk: Improving the safety of e-scooter riders, 15th November, Rome

Organizers: Automobile Club Italia (ACI) and European Transport Safety Council (ETSC)

Sicurezza stradale in Italia.

Dati recenti e stime preliminari gennaio-giugno 2024

Road safety in Italy. An overview

Last available data and preliminary estimates January-June 2024

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National Institute of Statistics

Directorate for social statistics and welfare



Road Safety Decade 2021-2030

Targets: halving of road accidents deaths and serious injuries within 2030 and monitoring of Key Performance Indicators (benchmark 2019)

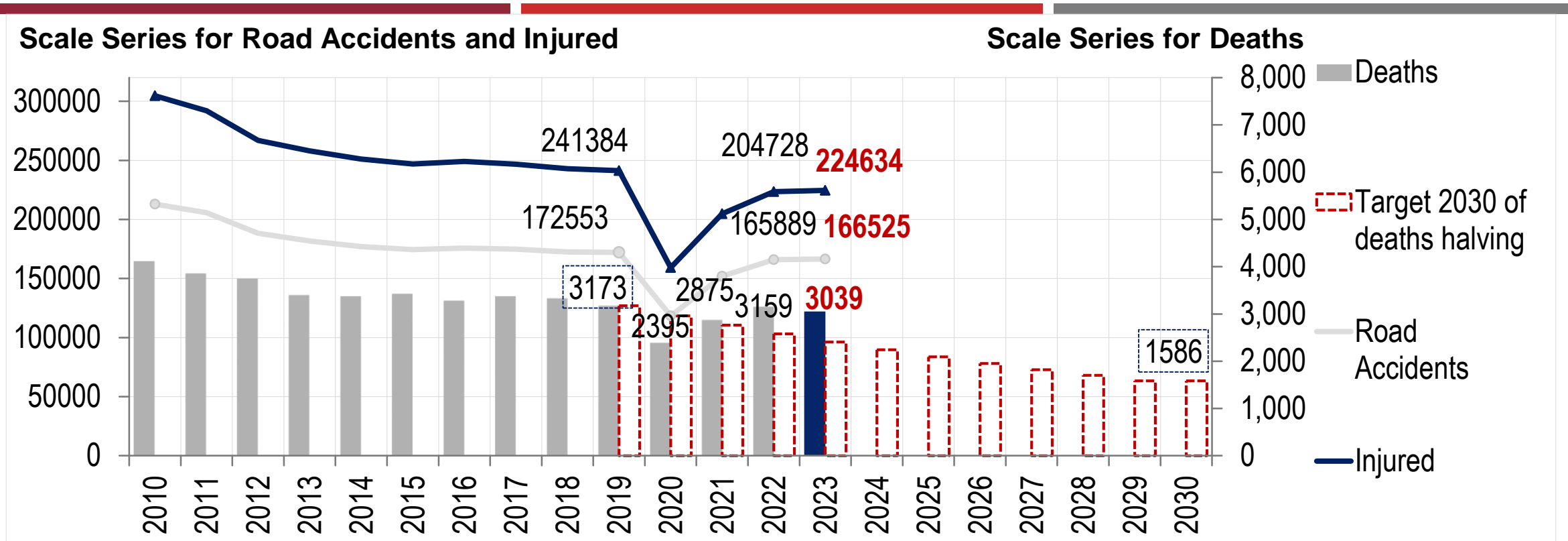
To monitor the progress of the road safety performance among the EU Countries, European Commission established **Key Performance Indicators (KPI)**, that Italy is processing and providing too, on:

- ✓ Speeding
- ✓ Distraction driving
- ✓ Driving under the influence of alcohol or drug
- ✓ Use of protection equipment's (helmet, safety belt, children equipment's)
- ✓ Safety for vehicles and infrastructures
- ✓ Post crash care

The Declaration of Stockolm in February 2020, in addition, get the basis for a global political task toward the **"Vision Zero"**: zero killed within 2050.

General overview in Italy

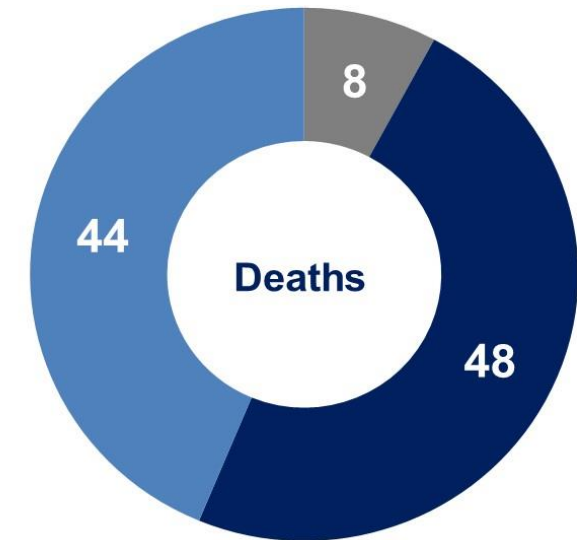
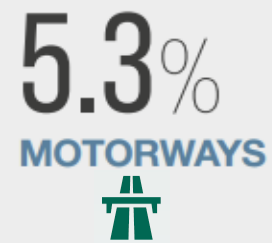
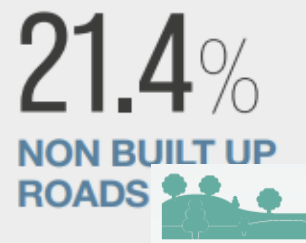
ROAD ACCIDENTS RESULTING IN DEATH OR INJURY, KILLED AND INURED. Years 2010-2023. Absolute values



In **2023** there were **3,039 deaths** in road accidents in Italy (-3.8% compared to the previous year), **224,634 injured** (+0.5%) and **166,525 road accidents** (+0.4%). The figures are slightly up on 2022 for accidents and injuries, but down for fatalities. On the other hand, there is still a **decrease in comparison with 2019** for accidents, fatalities and injuries (-3.3, -4.2% and -6.9% respectively). There were **16,989 serious injuries in 2023 (+0.7 vs 2022)** and **16,875 in 2022 (+5.5% vs 2021)**.

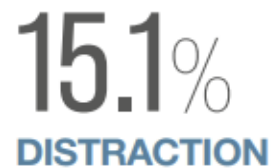
Roads type where the accidents occurs and which are the causes. Year 2023

WHERE DO THEY TAKE PLACE?



■ Motorways ■ Rural Roads ■ Urban Roads

WHY DO THEY HAPPEN?



The first 3 causes

**Mortality Index
Deaths/Accidents*100
Year 2023**

**Mortality Index
Injured/Accidents*100
Year 2023**



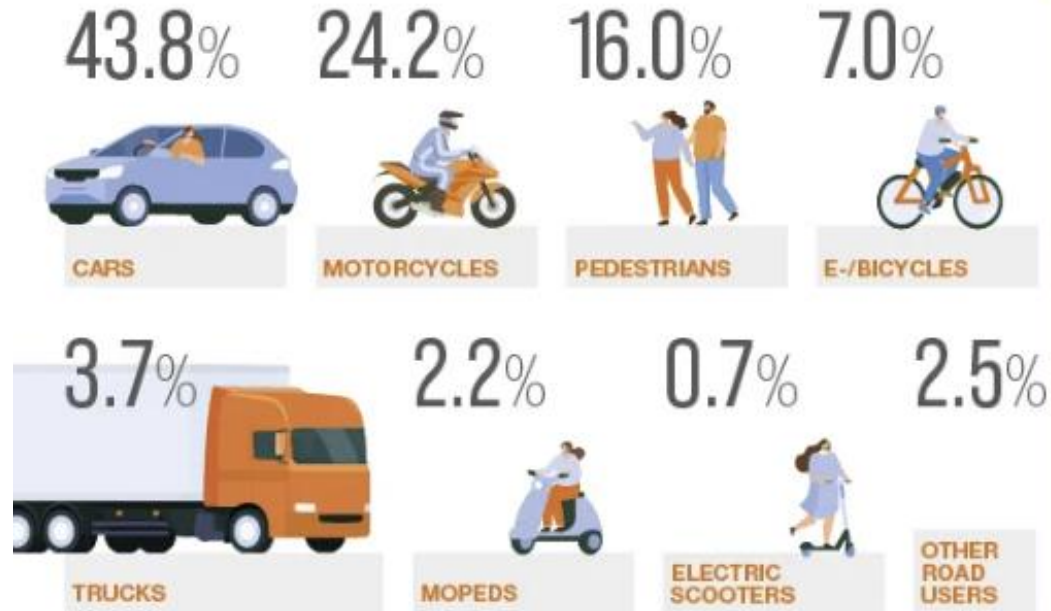
1.1
4.1
2.7
1.8

127.8
151.9
163.8
134.9

Road accidents deaths by user type. Year 2023

**3,039 killed
in 2023**

DEATHS BY ROAD USER TYPE



The mortality index (number of deaths per 100 accidents) shows:

- 1) for **pedestrians** (2.6 deaths per 100 pedestrian accidents) an index **4 times higher** than for car occupants (0.7 deaths for 100 accidents),
- 2) for **motorcyclists it is 2.4 times higher**;
- 3) for drivers and passengers of **bicycles**, electric and not and e-scooters, it **is about 2 times higher**.

Collision matrix for road accidents fatalities by road user and other vehicles involved.

Year 2023
(absolute values)

* This includes trucks (3.5 t), commercial vehicles weighing more than 3.5 tones.

Fatalities by user type	in collision with											Totale	
	In collision with	Bicycles	E-bikes	E-scooters	Mopeds	Motor-bikes	Cars	Lorries (<3.5 t)	Heavy Good Vehicles (>3.5 t)	Buses or Coach	Other vehicles		No other vehicle involved
Pedestrians		4	2	4	33	353	37	28	14	10		485	
Bicycles		6			9	116	18	14	4	7	26	200	
E-bikes				1	1	7	1				2	12	
E-scooters					2	6		1			12	21	
Mopeds				3	2	29	4	1		4	25	68	
Motor-bikes		2	1		33	375	50	23	6	4	240	734	
Passengers cars		1		4	4	532	68	123	15	21	564	1,332	
Lorries (<3.5 t)						9	5	8	2		18	42	
Heavy Good Vehicles (>3.5 t)						11	2	27	5		25	70	
Buses or Coach								5			23	28	
Other vehicles					1	20	3	9			14	47	
Total		13	2	1	12	85	1,458	188	239	46	46	949	3,039



Collision Matrix for fatalities in road accidents in EU (2022)

ROAD TRAFFIC FATALITIES IN THE EU IN 2022

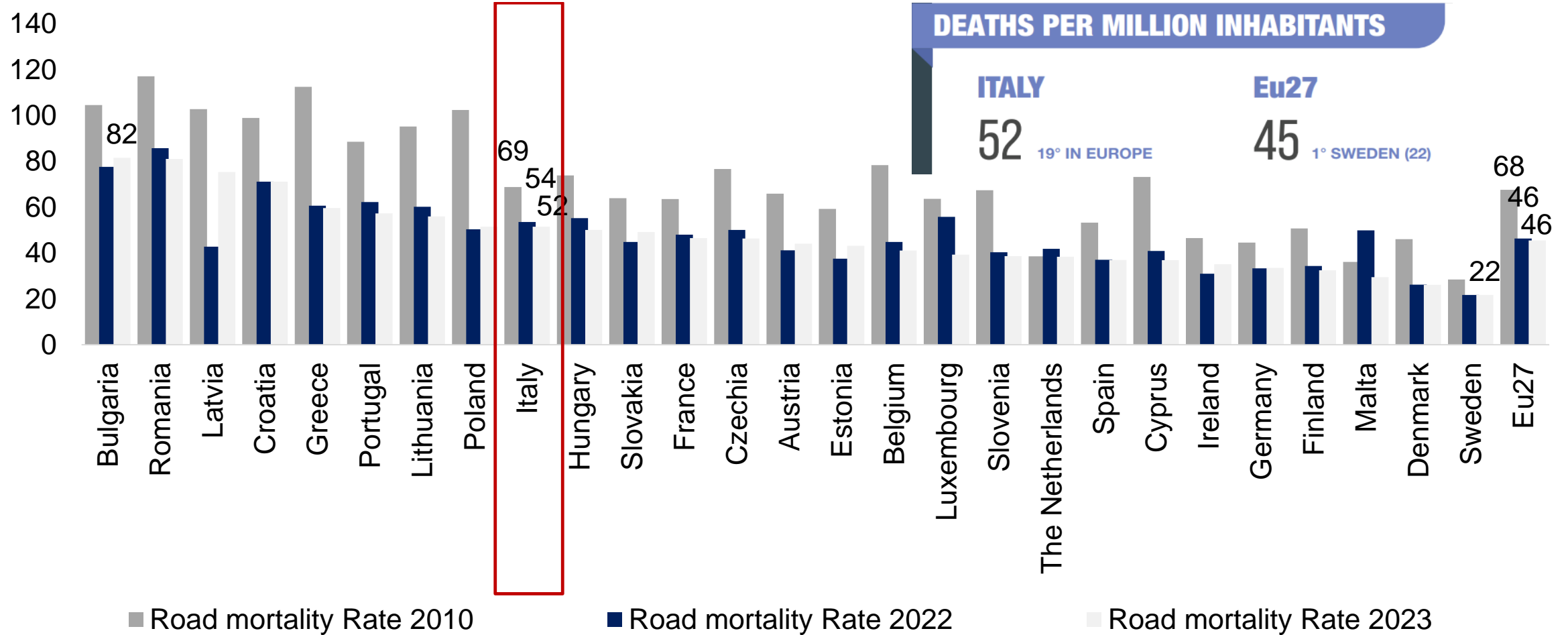
by road user and (other) 'main vehicle' involved in the crash

IN A COLLISION WITH...

FATALITIES		PEDESTRIAN	BICYCLE	MOPED	MOTORBIKE	CAR	LORRY (<3.5T)	HEAVY GOODS VEHICLE (>3.5T)	BUS OR COACH	OTHER VEHICLE / UNKNOWN	NO OTHER VEHICLE INVOLVED	TOTAL
PEDESTRIANS		0	25	21	112	2409	424	411	102	211	0	3715
CYCLISTS		10	51	12	33	921	158	210	37	76	501	2009
MOPED RIDERS		3	5	3	7	242	44	30	6	20	179	539
MOTORCYCLISTS		19	8	6	94	1442	241	162	28	81	1280	3361
CAR OCCUPANTS		7	7	3	20	2732	559	1450	122	237	4073	9210
LORRY (<3.5T) OCCUPANTS		1	0	0	0	114	87	201	8	16	286	713
HEAVY GOODS VEHICLE (>3.5T) OCCUPANTS		2	0	0	0	32	23	178	5	16	159	415
BUS OR COACH OCCUPANTS		0	1	0	0	15	3	6	4	4	45	78
OTHER / UNKNOWN		0	0	0	3	154	33	49	13	19	283	554
TOTAL		42	97	45	269	8061	1572	2697	325	680	6806	20 594

Source:
European Commission 2023
[collision_matrix_2022_EU](#)

Mortality rates for EU27 countries. Years 2010, 2022 and 2023



Preliminary estimates of road accidents in January-June 2024

According to preliminary estimates, in the six-month period January-June 2024, there are:

80,057 road accidents **107,643** injured **1,429** deaths (within 30 days)

In respect to January-June 2023

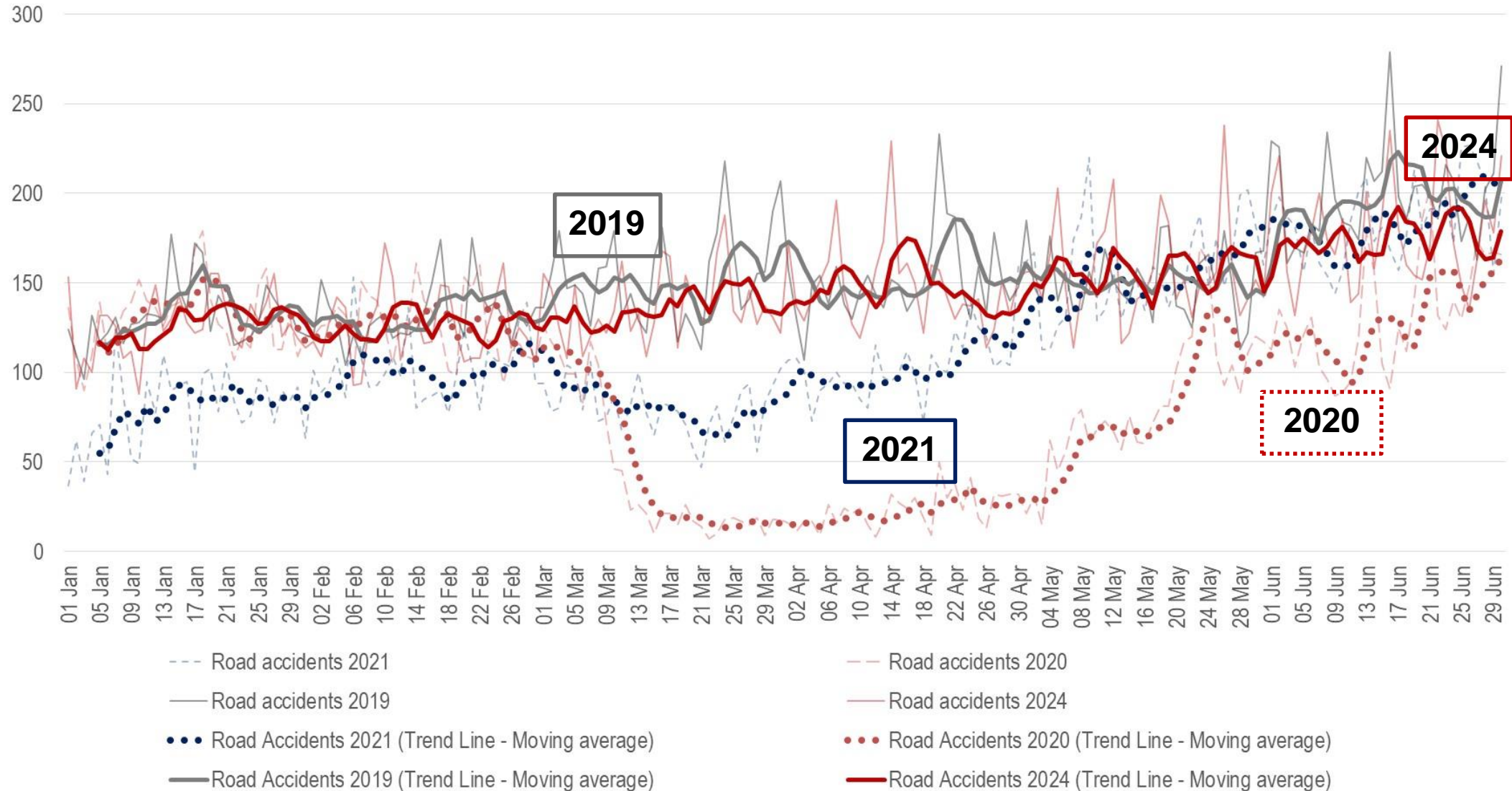
Road accidents +0.9%	Injured +0.5%	Deaths +4.0% (in 2023: 1,374)
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With reference to the pre-pandemic period, compared with 2019 (January-June)

Road accidents -4,3%	Injured -8,0%	Deaths -6,8% (in 2019: 1,534)
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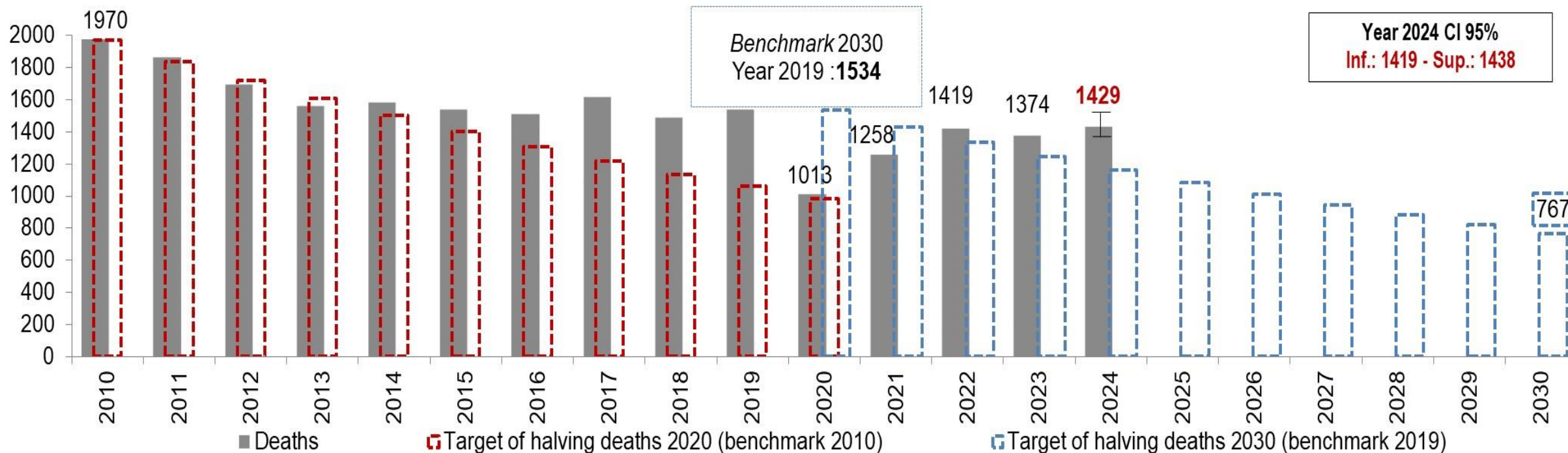
- ✓ The increase in road fatalities in the first six months of 2024 **puts Italy further away from the 2030 European targets set.**
- ✓ **Compared with the first six months of 2023**, the number of killed fell on motorways (-13.9%), but rose on urban roads (+7.9%) and rural roads (+1.0%).
- ✓ Compared with the first **six months of 2019**, in the first half of 2024, the number of killed fell significantly, again, on motorways (-31.9%) and less on rural roads (-4.2%), while on urban roads an increase of 1.1% is estimated.

Incidenti stradali con lesioni a persone per giorno e mese, nel periodo gennaio-giugno 2019-2021 e 2024. Valori assoluti



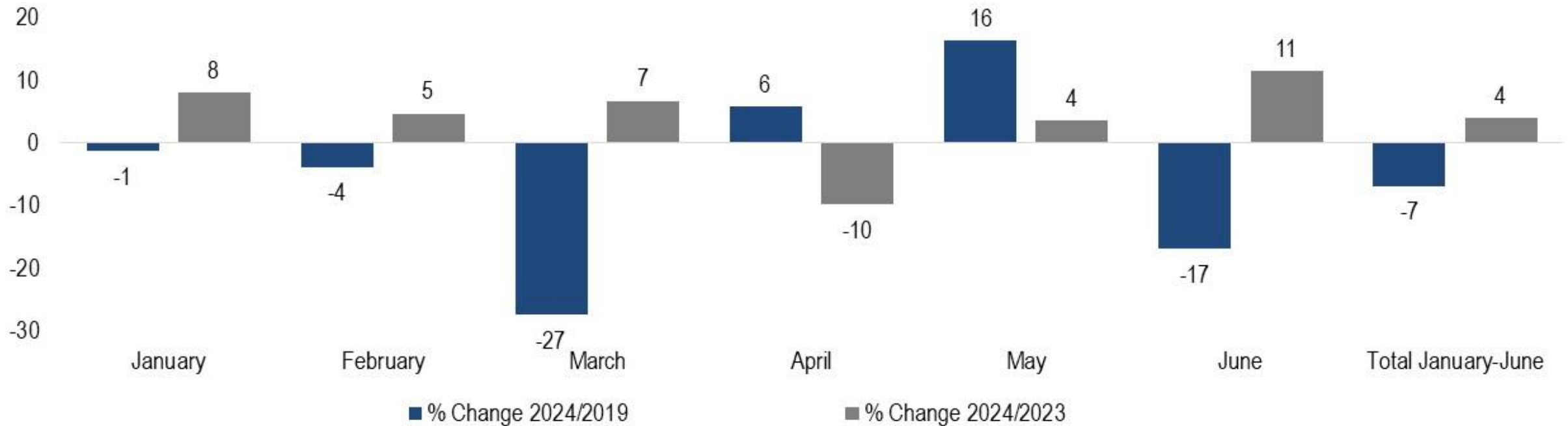
European target 2020 and 2030: number of deaths in road accidents.

January-June periods 2010-2023 and preliminary estimate 2024. Absolute values (a)



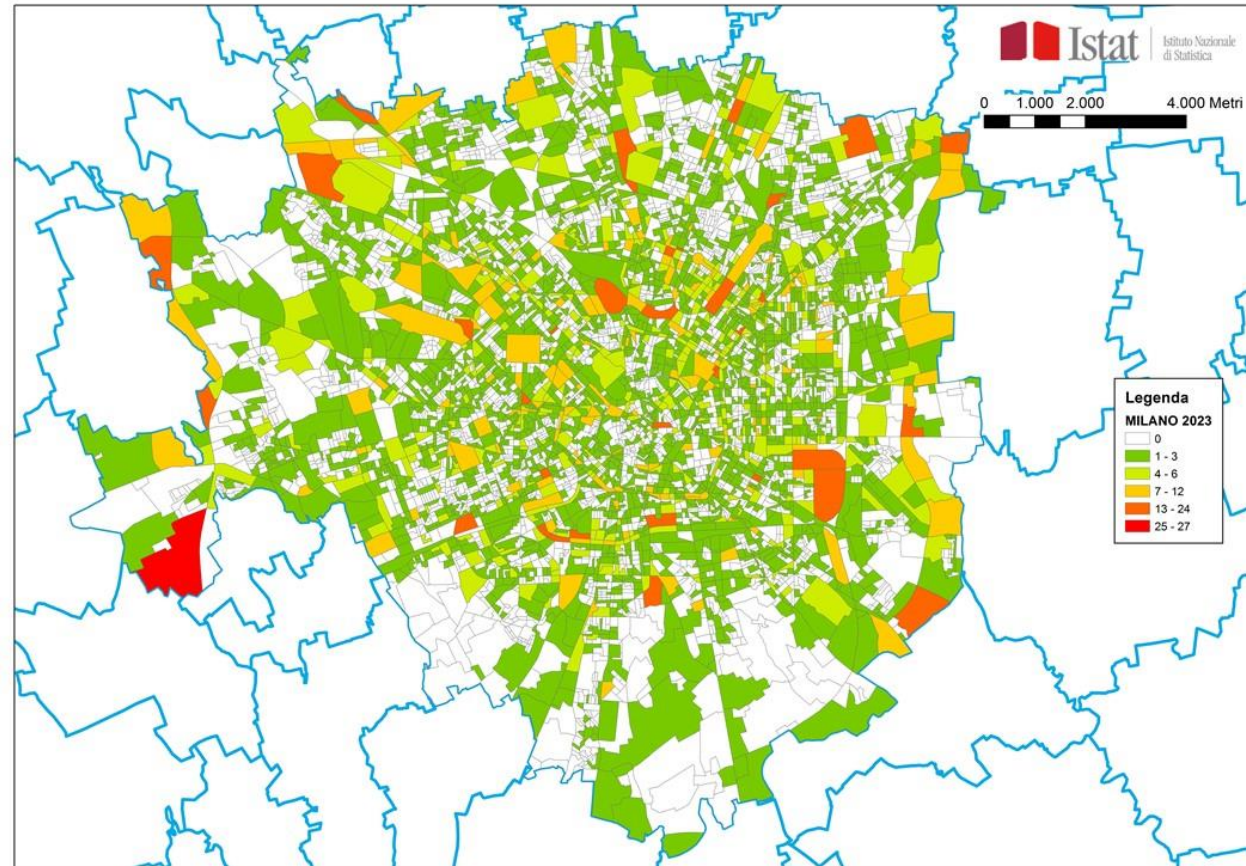
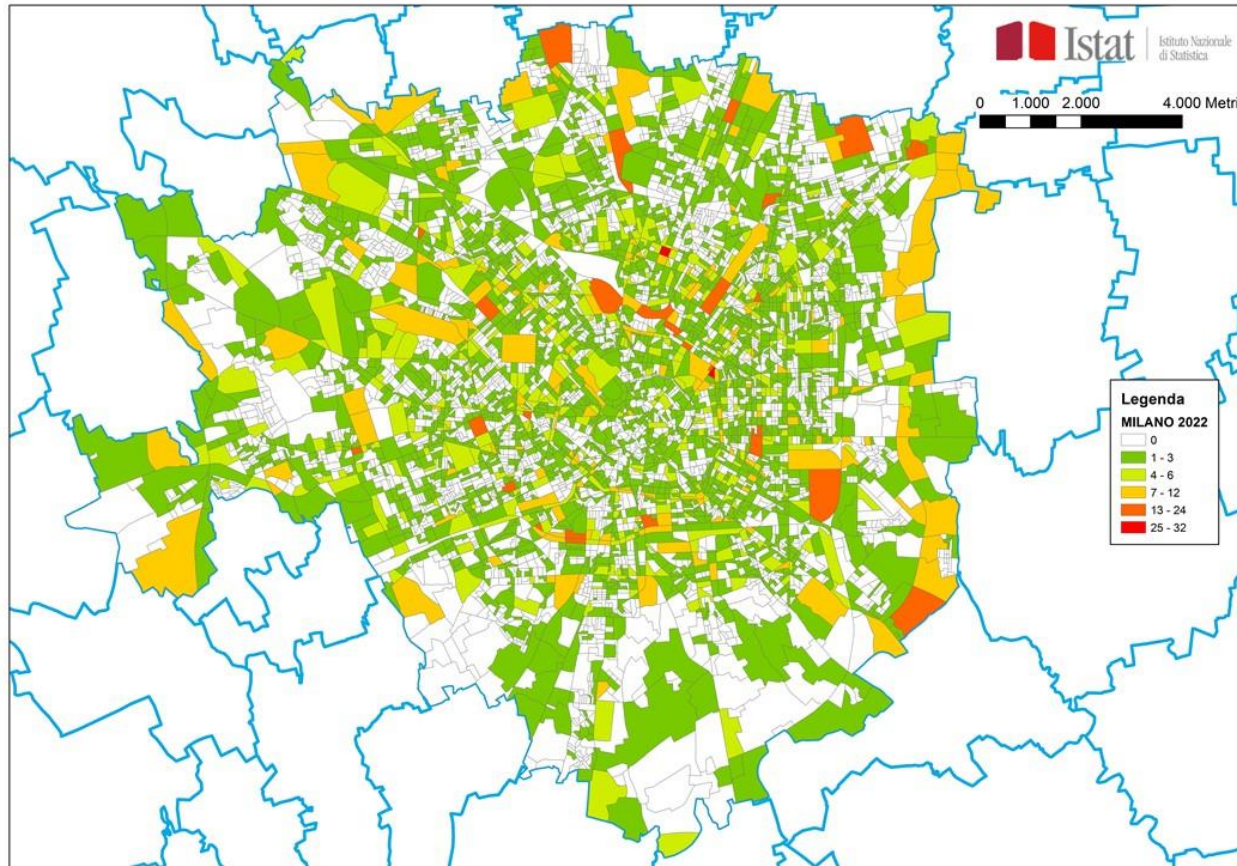
(a) Lower and upper bounds of the preliminary estimate January-June 2024 (95% confidence interval) and halving assumptions with constant speed - 2020 and 2030 targets, first six months of the years 2010-2024.

Percentage change for deaths number, by month. First six months - years 2024, 2023 and 2019. Monthly percentage changes of preliminary estimates for first six months 2024 vs. 2019 and 2023.

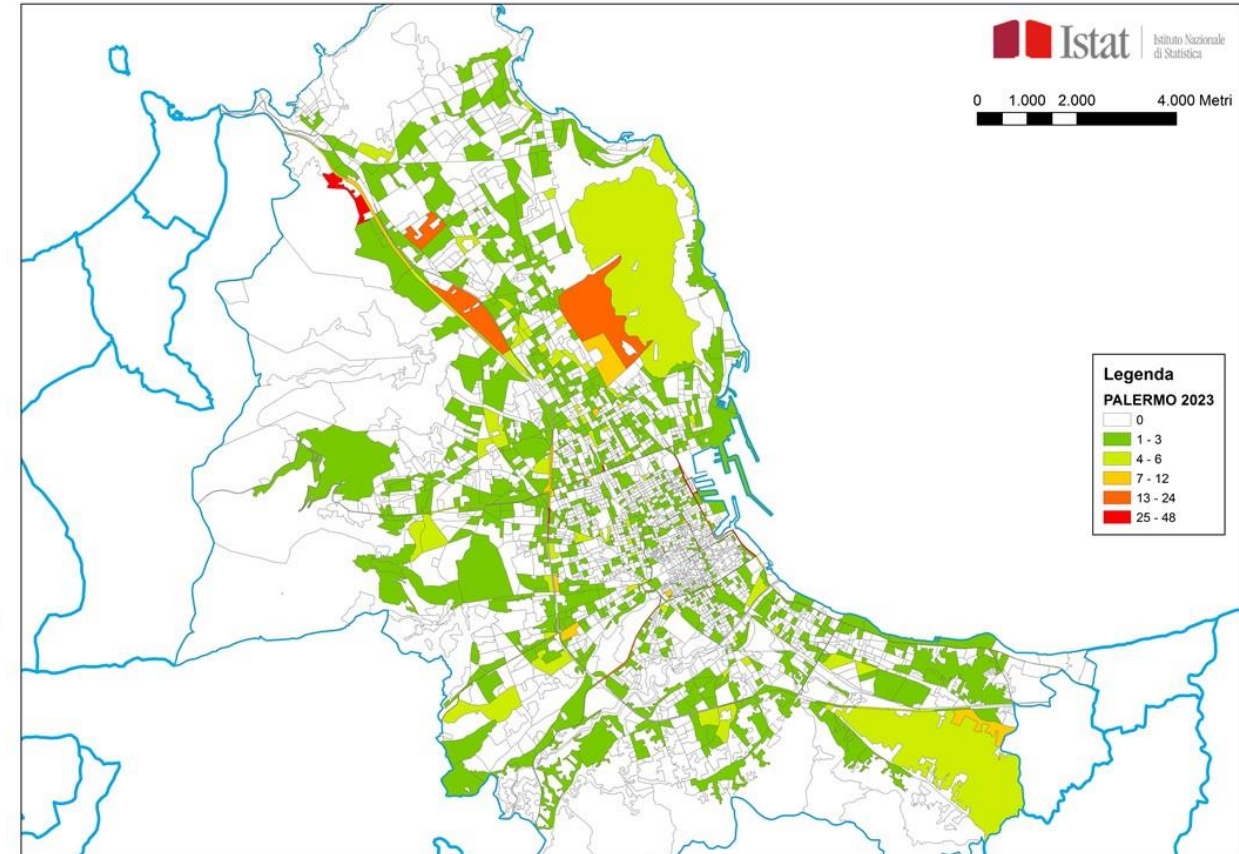
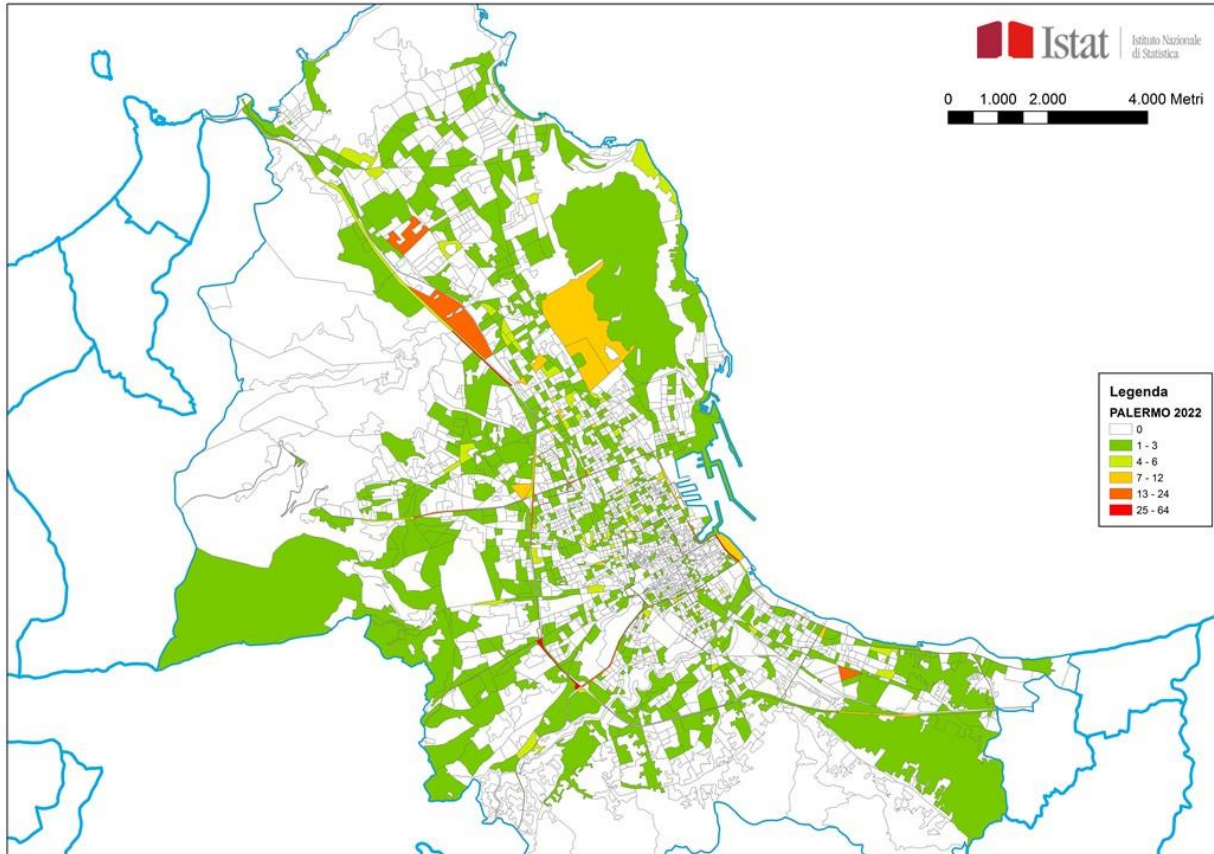


- ✓ The differences recorded month by month show a consistent increase for all six-month period, with the exception of April, which shows a decrease of 9.8%, compared to the same months in 2023.
- ✓ Compared to 2019, March and June show very substantial decreases, April and May, on the other hand, show an increase.

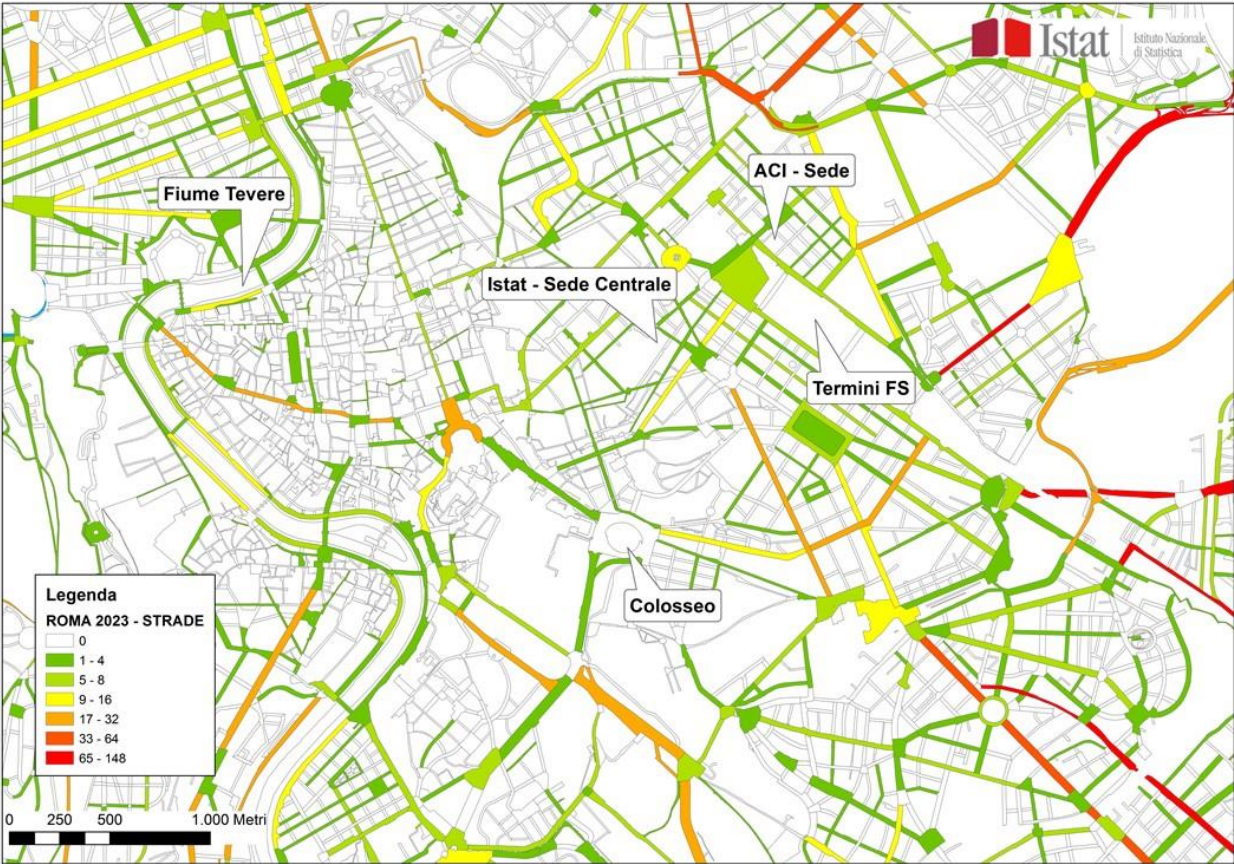
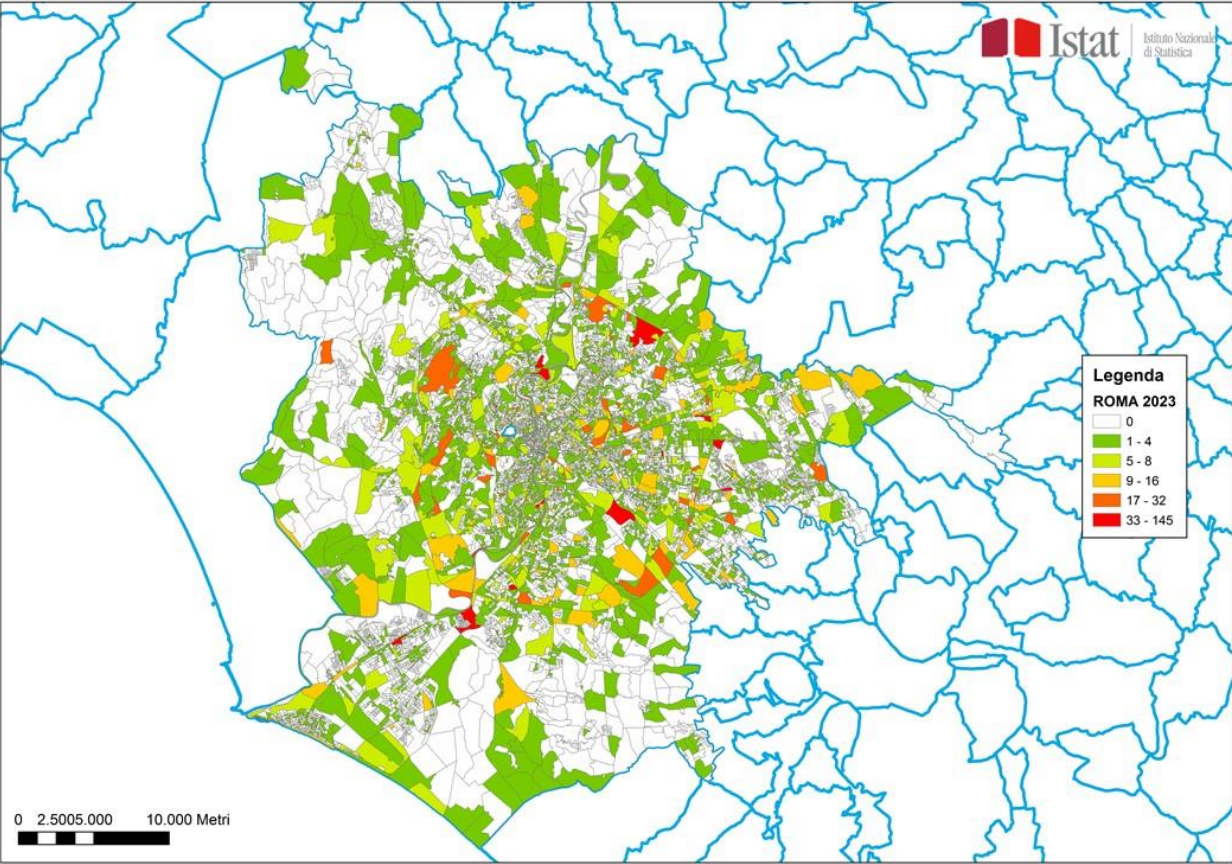
Road accidents occurred in Milan. Year 2022 and 2023 Geographical areas represented by Census Sections



Road accidents occurred in Palermo. Year 2022 and 2023 Geographical areas represented by Census Sections



Road accidents occurred in Rome. Year 2022 and 2023 Geographical areas represented by Census Sections and road accidents frequencies by road segmentation



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