

Road collision data and 20mph

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- Intro to STATS19 data collection
- STATS19 processing
- Publications
- Long-term trends
- 20mph impacts
- Headline figures
- Summary

Introduction to STATS19 data

- Police recorded road collisions and casualties
- Police collect data for every road collision that is reported if:
 - It results in an injury
 - It happened on a public road
 - It isn't confirmed to involve a suicide or a medical episode.

STATS19 processing

- Receive data from the police forces
 - Carry out validation checks
 - Missing information from one or more variables
 - Logic checks – contradicting values
- Return data to police forces to check missing data and contradicting information

STATS19 processing

- We then use the data in our publications and hold the data in our database.
- Data is then made available to the Welsh local authorities and other users.
- Data is sent to the Department for Transport.

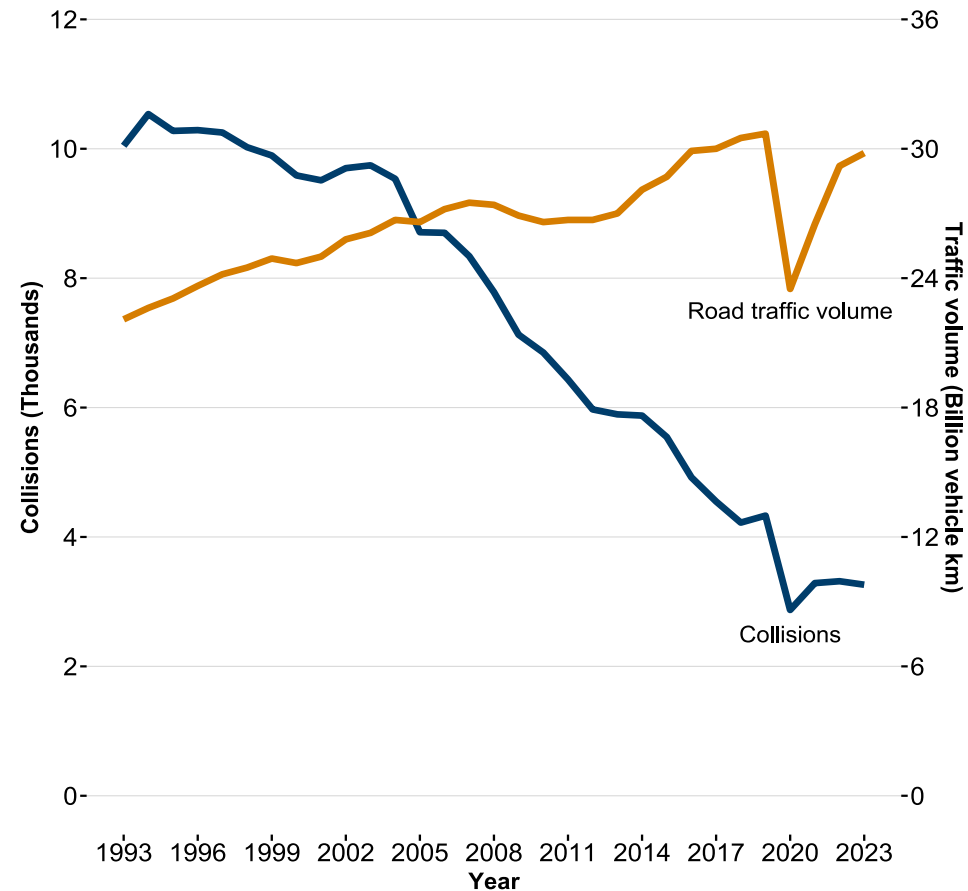
Publications

- Quarterly publication
 - [Statistical headline](#)
 - [Data tables](#)
 - [Interactive dashboard](#)
 - [Collision level data](#)
- More detailed [annual publication](#)
- Last year, we also published
 - A [chief statistician's blog](#) on understanding road collision and casualty statistics
 - [Quality report](#) to explain the methodology

What are the long-term trends?

Figure 2: Reported road collisions and traffic volume on Welsh roads, 1993 to 2023.

Long-term decrease
in overall number
of collisions and
gradual increase in
road traffic volume



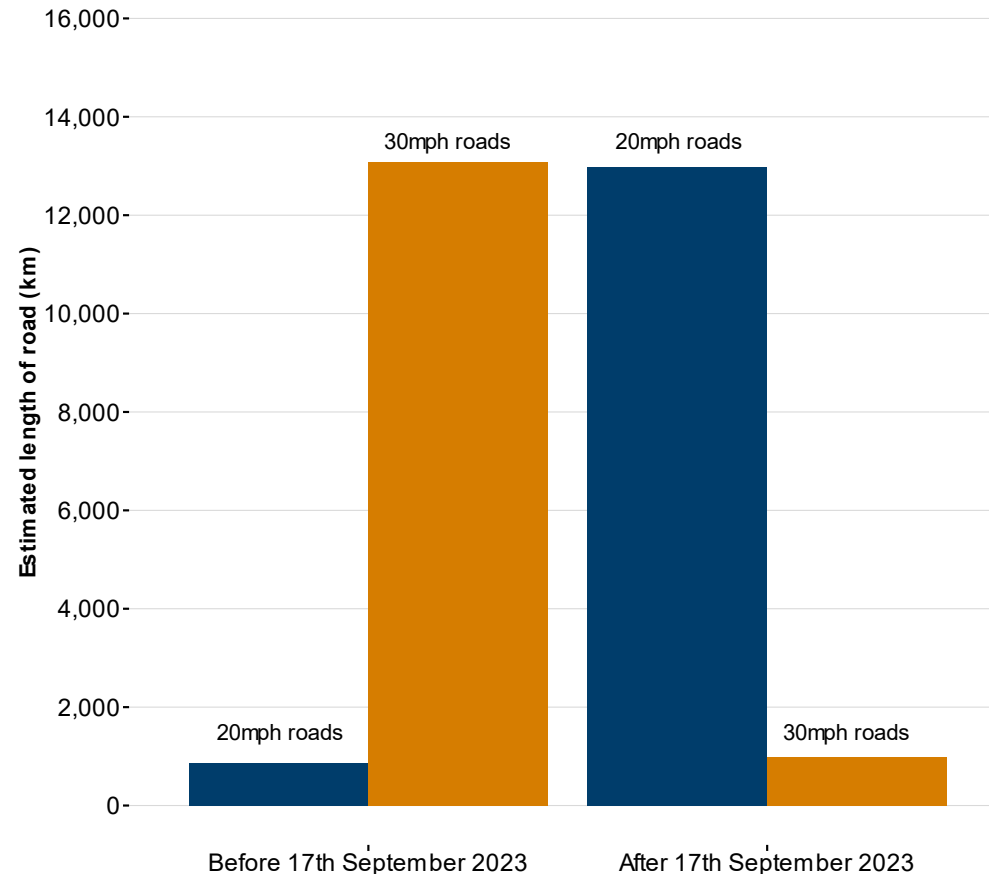
Source: Road collision statistics, Welsh Government

What's been the impact of 20mph?

- The 20mph default speed limit was introduced on 17th September 2023.
- This January, we published data which covered the first four quarters since the introduction of 20mph, covering up to 30th September 2024
- Transport for Wales' monitoring framework recommended three-years' worth of collision data pre and post implementation. However, these statistics give an early indication of the impact of 20mph on road collisions data
- The number of casualties will be monitored as part of TfW's 20mph monitoring framework alongside a range of other indicators
- An independent evaluation will be conducted.

What's been the impact of 20mph?

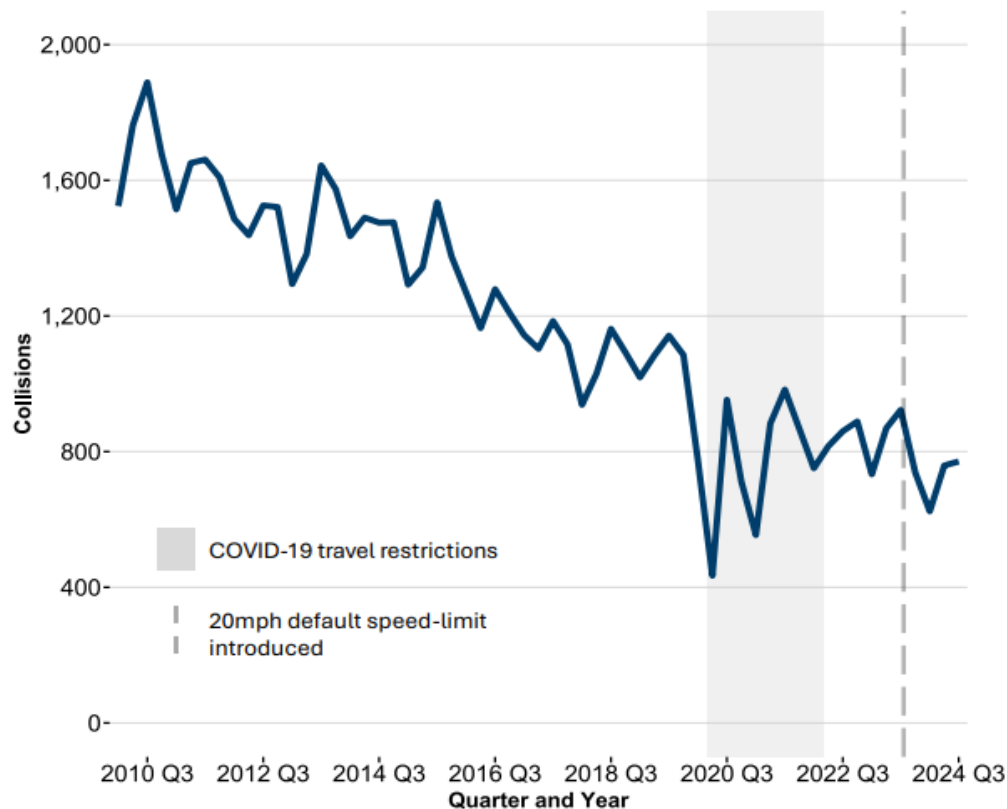
Figure 1: Estimated length of road by speed limit before and after the introduction of the 20mph default speed limit, Wales



- Most roads that were 30mph prior to the roll out became 20mph on 17th September
- Given that significantly more roads are now 20mph roads, and significantly fewer are 30mph, we would expect to see an increase in the number of collisions on 20mph roads and a decrease on 30mph roads.
- For a reasonable comparison to be made, we have looked at collisions that occurred on **all** 20mph and 30mph roads both before and after the roll out

What do we mean by the data being seasonal?

Figure 1: Quarterly police-reported road collisions in Wales, 2010 Q1 to 2024 Q3

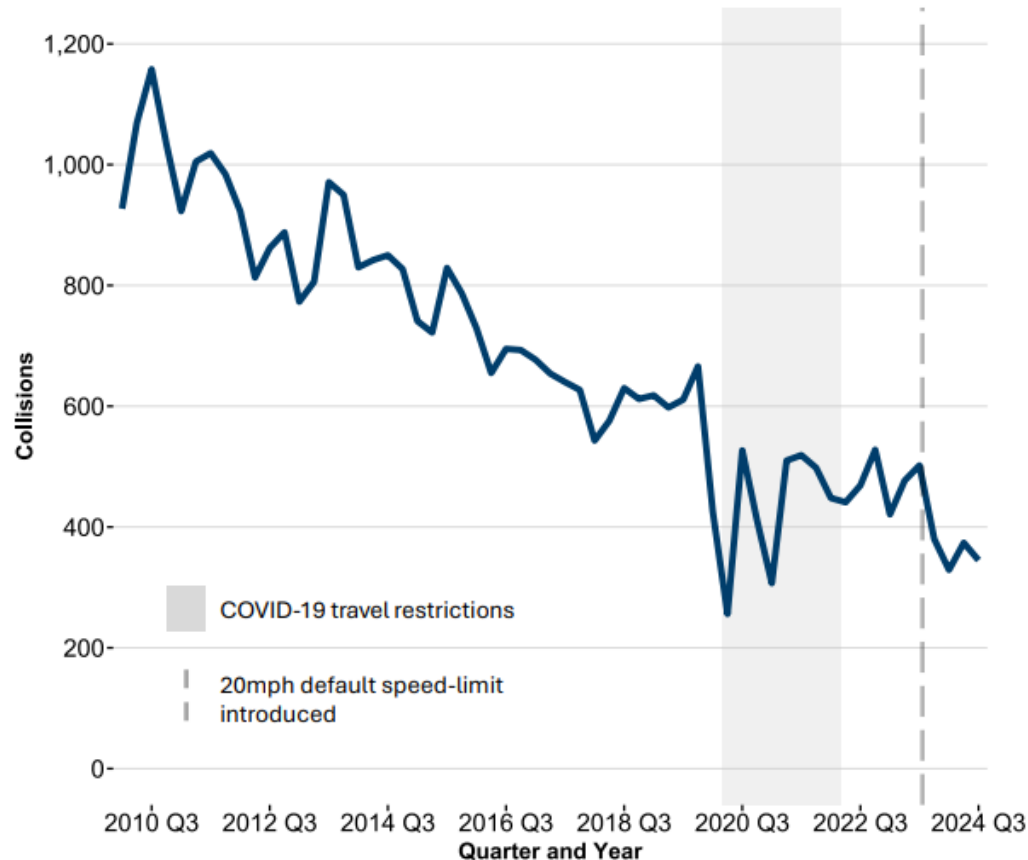


Source: Road collision statistics, Welsh Government

- Collisions data is seasonal and impacted by factors such as traffic volume and weather.
- It is advisable and meaningful to compare quarterly data with the same quarter in previous years than with the previous quarter.
- However, longer term trends give a better indication of patterns and changes in police recorded road collisions.

Headline figures

Figure 2: Quarterly police-reported road collisions on roads with a 20 or 30mph speed limit (combined) in Wales, 2010 Q1 to 2024 Q3

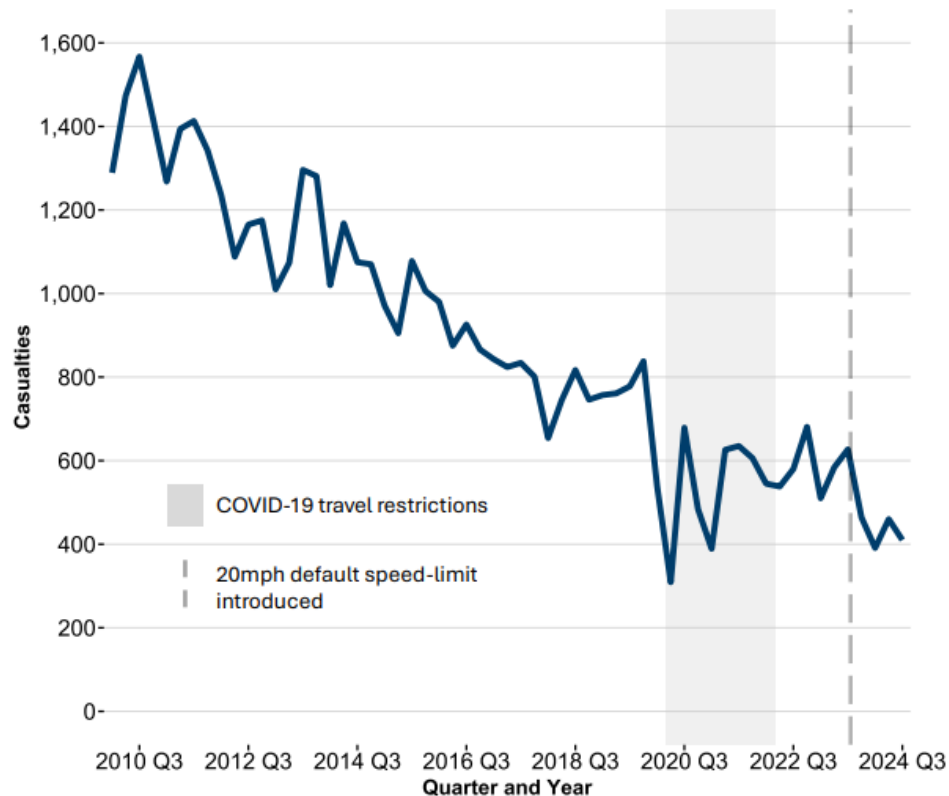


Source: Road collision statistics, Welsh Government

- During the 12-month period from 2023 Q4 to 2024 Q3, the number of collisions on 20 and 30mph roads (combined) is 26% lower than the same period a year before.
- This number has generally been declining over the last decade.
- This was the lowest number of police-recorded road collisions 20 and 30mph roads (combined) in Wales, for a year ending Q3, since records began.

Headline figures

Figure 4: Quarterly casualties reported on roads with a 20 or 30mph speed limit in Wales, 2010 Q1 to 2024 Q3



Source: Road collision statistics, Welsh Government

- The number of **casualties** on roads with 20 and 30mph road speed limits (combined) in 2024 Q3 was the lowest quarter 3 figures in Wales since records began
- During the 12 month period from 2023 Q4 to 2024 Q3, the number of casualties on 20 and 30mph roads (combined) is 28% lower than the same period a year before.
- There were 398 people killed or seriously injured (KSI) on roads with 20mph and 30mph road speed limits in the 12 month period after the introduction of the 20mph default speed limit.
- This is around 100 fewer people killed or seriously injured on roads, compared to the same period a year before.
- This was the lowest number of killed or seriously injured casualties on roads in Wales, for a year ending Q3, since records began.

20mph monitoring and evaluation plans

- Transport for Wales (TfW) are responsible for monitoring the introduction of the 20mph default speed limit.
- [TfW's monitoring framework for 20mph](#) includes key performance indicators (KPIs). Three of these relate to the number of casualties that occur in police recorded road collisions.
- For a meaningful comparison to be made, typically at least three years' worth of collision data would be required post-implementation to compare with at least a three year pre-implementation period.
- Welsh Government is in the process of commissioning an evaluation of the 20mph policy. This will be a five-year evaluation, that will provide a process evaluation report by January 2026, a mid-term evaluation report by April 2027, and a final impact evaluation report by 2029.
- The final impact evaluation will include a value for money assessment that will assess the costs and benefits of the policy to the Welsh economy.

Summary

- During the 12-month period from 2023 Q4 to 2024 Q3, the number of collisions on 20 and 30mph roads (combined) is 26% lower than the same period a year before.
- There were around 100 fewer people killed or seriously injured on roads with 20mph and 30mph road speed limits in the 12 month period after the introduction of the 20mph default speed limit, compared to the same period a year before.
- The number of collisions and casualties has been decreasing gradually over the longer term.
- Welsh Government is in the process of commissioning an evaluation of the 20mph policy.



Questions?

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