

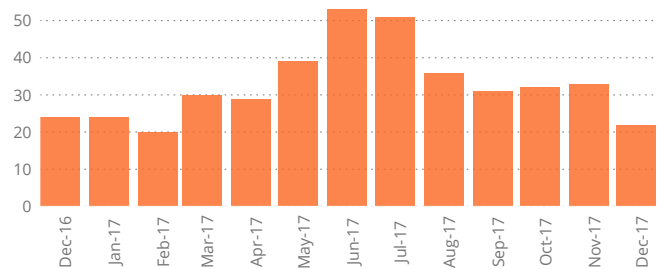
# Bicycle theft

**Bicycle theft** includes the taking without consent or theft of a pedal cycle.

## Bicycle thefts last month

There were 22 bicycle theft offences recorded by Greater Manchester Police in Trafford during December 2017. This is 2 fewer crimes than the same month last year.

Figure 1: Count of bicycle theft by month in Trafford



Source: data.police.uk | @traffordDataLab

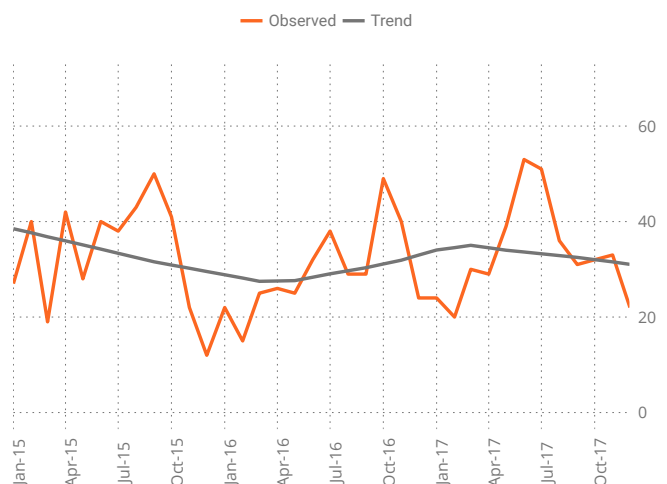
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## Bicycle thefts over the last 3 years

Bicycle theft has hovered between 12 and 53 offences over the last 36 months. The overall trend is relatively flat with clear seasonal peaks during the warmer summer months.

The rate of bicycle theft over the last 3 years for each of Trafford's wards has been visualised in [this linked chart](#).

Figure 2: Bicycle thefts in Trafford, 2015-2017



Source: data.police.uk | @traffordDataLab

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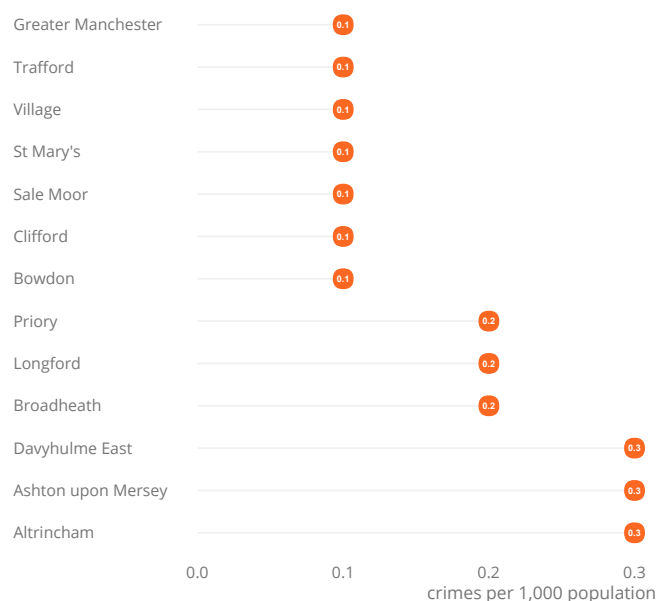
## Bicycle theft rates

There were approximately 0.1 bicycle thefts recorded for every 1,000 Trafford residents during December 2017.

However, there is some variation in rates of bicycle theft between wards.

Altrincham, Ashton upon Mersey and Davyhulme East wards recorded the highest rates of bicycle theft with 0.3 offences per 1,000 residents.

Figure 3: Rates of bicycle theft in Trafford's wards



Source: data.police.uk | @traffordDataLab

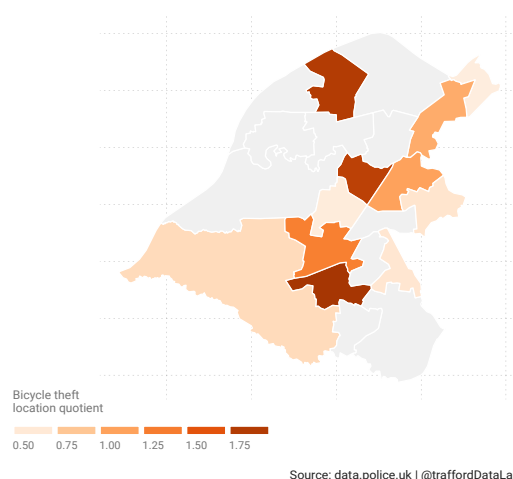
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## Location quotient

The location quotient (Brantingham & Brantingham 1997) provides a measure of the difference between the rate of crime in a ward and the rate of crime for the whole of Trafford. A location quotient of 1.0 indicates that a ward has a proportional share of crime whilst a value greater than 1 indicates a disproportionate share.

Figure 4 shows that Altrincham ward recorded almost twice the rate of bicycle theft during December 2017 as Trafford as a whole.

Figure 4: Bicycle theft location quotient, December 2017



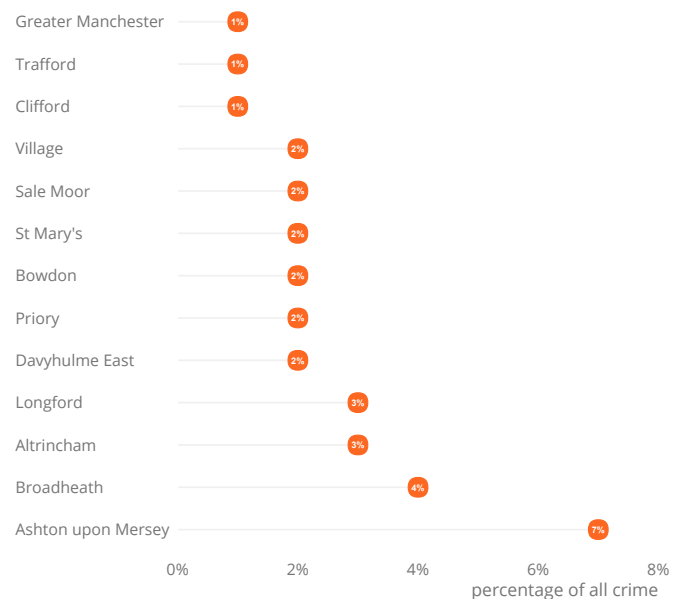
Source: data.police.uk | @traffordDataLab

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## Bicycle theft as a proportion of all crime

Bicycle theft offences accounted for 7% of recorded crime in Ashton upon Mersey ward during December 2017 and 1% in Trafford overall.

Figure 5: Bicycle theft as a proportion of total offences\*, December 2017



Source: data.police.uk | @traffordDataLab

\*not including incidents of anti-social behaviour

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### Notes

Bicycle theft rates have been calculated using the number of residents in each area. This is an imperfect denominator because it doesn't reflect the actual number of targets: bicycles

### References

Brantingham, P.L. and Brantingham, P.J. (1998). Mapping crime for analytic purposes: location quotients, counts and rates. In D. Weisburd and T. McEwen, eds, Crime Mapping and Crime Prevention, 263-288. Monsey, NY: Criminal Justice Press.

### Data sources

- Greater Manchester Police recorded crime: [data.police.uk](https://data.police.uk)
- Mid-year population estimates (2016): [ONS](#)

