

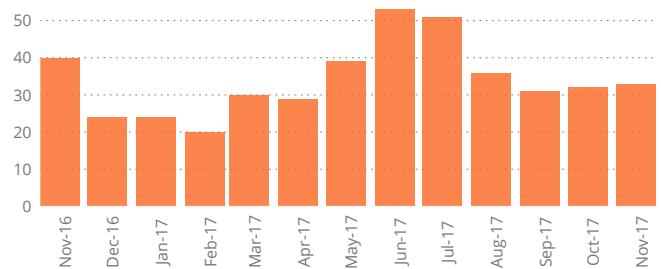
# Bicycle theft

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

## Bicycle thefts last month

There were 33 bicycle theft offences recorded by Greater Manchester Police in Trafford during November 2017. This is 7 fewer crimes than the same month last year.

Figure 1: Count of bicycle theft by month in Trafford



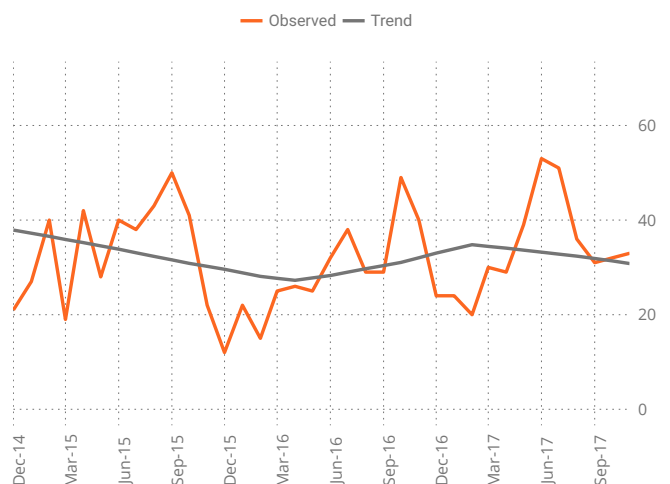
Source: data.police.uk | @traffordDataLab

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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.

Figure 2: Bicycle thefts in Trafford, 2015-2017



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## Bicycle theft rates

There were approximately 0.1 bicycle thefts recorded for every 1,000 Trafford residents during November 2017. However, there is some variation in rates of bicycle theft between wards. Altrincham ward recorded the highest rate of bicycle theft with 0.8 offences per 1,000 residents.

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



Source: data.police.uk | @traffordDataLab

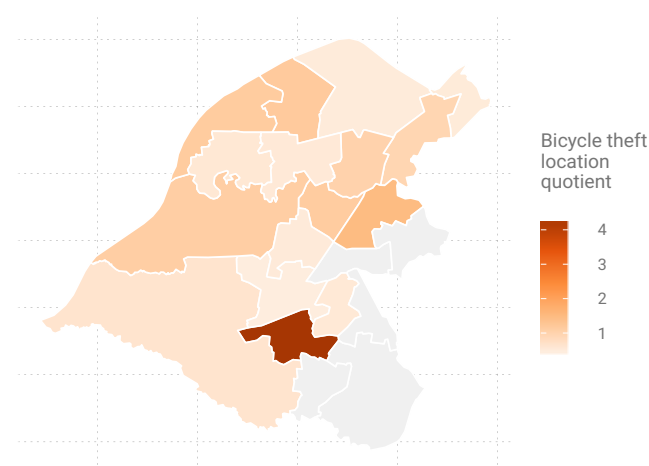
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## Location quotient

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 around 4 times the rate of bicycle theft during November 2017 as Trafford as a whole.

Figure 4: Bicycle theft location quotient, November 2017



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## Bicycle theft as a proportion of all crime

Bicycle theft offences accounted for 7% of recorded crime in Altrincham ward during November 2017 and 2% in Trafford overall.

Figure 5: Bicycle theft as a proportion of total offences\*, November 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](https://ons.gov.uk)