

Hertfordshire Police and Crime Panel Performance Reporting

10th April 2019

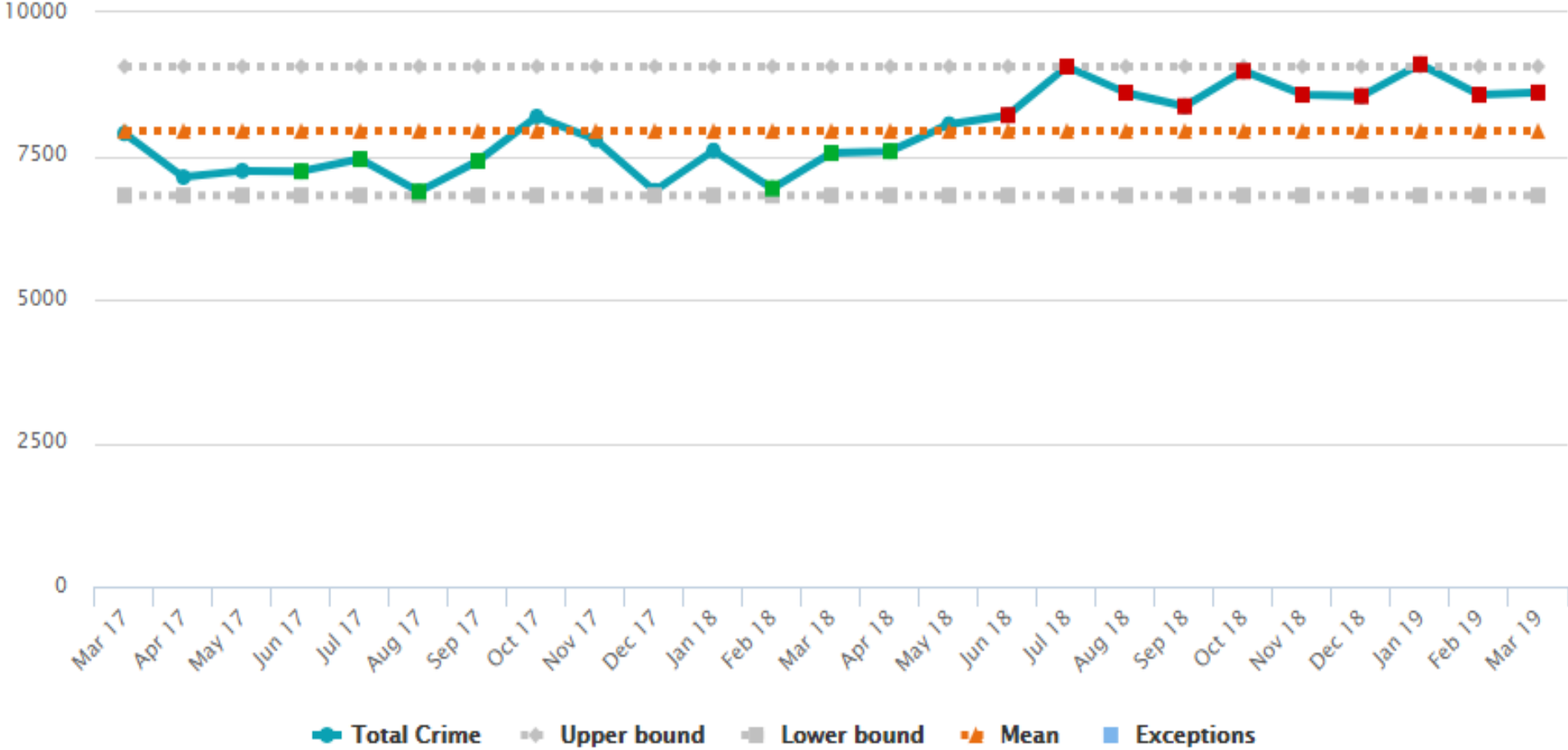
Crime Survey for England and Wales

- Public Survey
- Sample size of 35,000

Annual Data Return (IQUANTA) Home Office

- Hertfordshire Constabulary and all other Constabularies use the Annual Data Return (IQUANTA) which is based on Recorded Crime.

Total Reported Crime Has Risen then stabilised



Key drivers of crime

Vehicle Crime +1120 (13.5%). Vehicle crime remained one of the highest drivers of volume of crime throughout the year including theft of and from vehicle along with attempted theft seeing a rise (please see detail later in this report).

Theft from Shop +676 (8.4%). This year has seen an increase in 'stealing to order' of high value food products such as meat. East Herts has seen the highest rise of 43%.

Assaults Without Injury +1002 (10.6%). With the increase in our NCRS compliance we see offences that were in the past not recorded now being recorded. For example, many incidents of domestic abuse conclude with two or three offences being recorded when previously perhaps only one offence would have been.

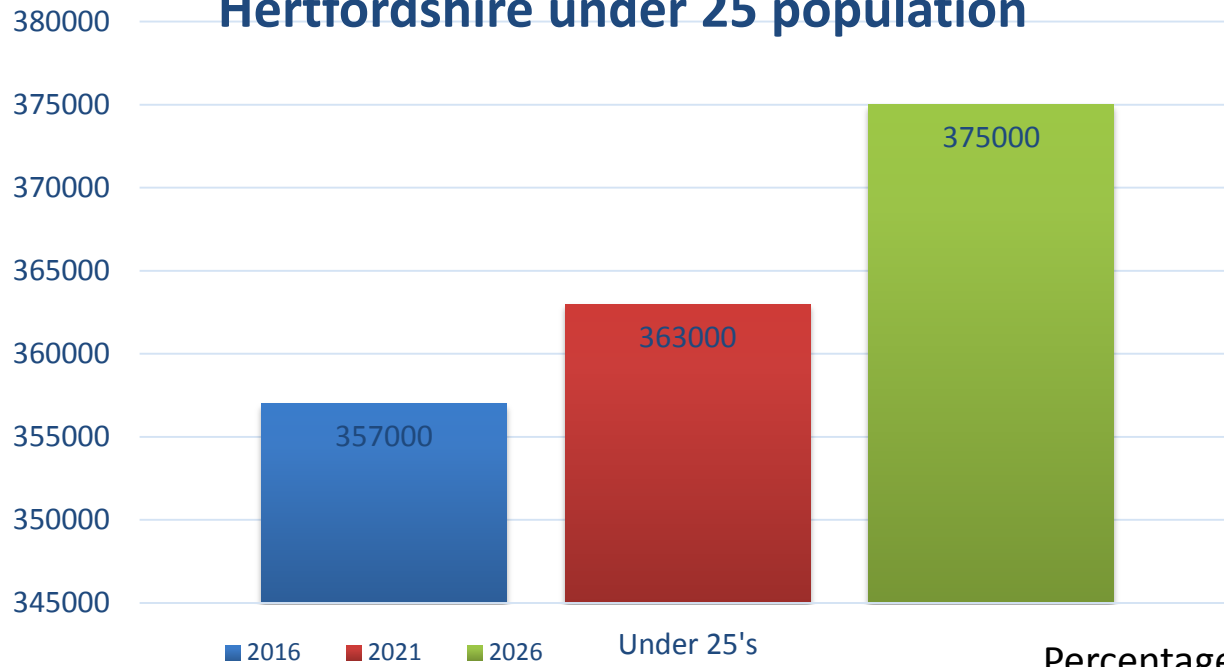
Stalking and Harassment +961 (22.1%). Due to changes in National Crime Recording coming into effect on the 1/4/18 the rise in S and H offences was for-seen. We estimate that this increase accounts for 0.5% of the 1.5% total increase in crime this year.

Serious Crime	Crime Type	Recorded YTD	% +/-	Actual +/-	CJO Rate
	Agg. Residential Burglaries	40	-11.1%	-5	2.5%
	Agg. Commercial & Business Burglaries	1	-80%	-4	N/A
	Robbery	914	+4.3%	+38	11.2%
	Assault with Injury	8240	-2.1%	-180	13.2%
Safeguarding	Crime Type	Recorded YTD	% +/-	Actual +/-	CJO Rate
	Domestic Abuse	11080	+6.2%	+644	10.8%
	Serious Sexual Offences	1758	-3.5%	-63	5.7%
	Rape	792	-8.3%	-72	1.8%

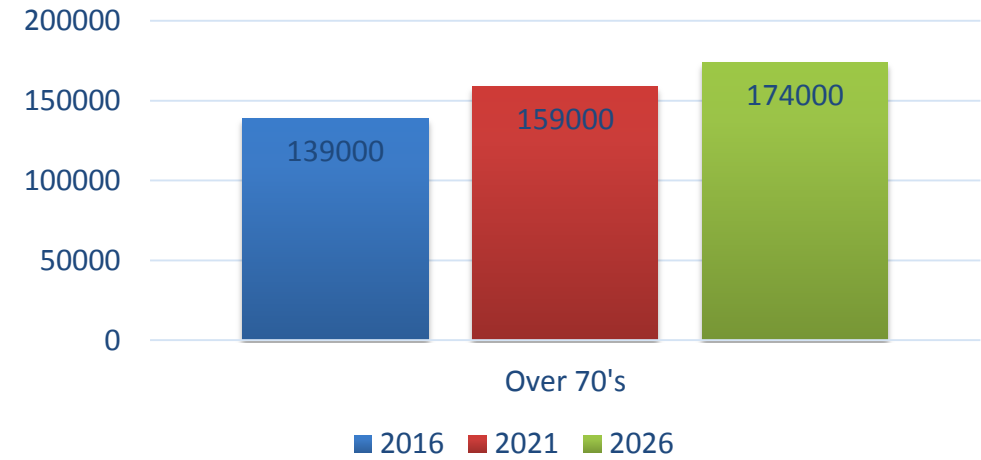
<p>Burglary Residential Dwelling</p>	<p>Year to Date: 3,373 offences recorded year to date to 31.03.19, down -451 offences, (-11.8%), CJO rate 5.1%</p> <ul style="list-style-type: none"> All CSPs show a YTD drop, the exceptions continue to be North Herts, Stevenage and Welwyn/Hatfield. Part of this reduction is due to the high burglary levels in the previous year so an element of 'returning to the norm' and part real reduction.
<p>Vehicle Crime</p>	<p>Year to Date: 9,437 offences recorded year to date to 31.03.19, an increase of 1120 (+13.5%) over the same period last year, CJO rate 3.4%.</p> <ul style="list-style-type: none"> All CSP's have seen a rise with the exception of Watford (5% reduction). This year has seen a rise in Key less car thefts, theft of tools from vans and also insecurity/opportunist theft from vehicles. <p><u>Year to Date:</u> TFMV – 5610 crimes recorded, up 478 /+9.3% TOMV – 1730 crimes recorded, up 191 /+12.4%</p>
<p>ASB</p>	<p>Year to Date: 26,382 ASB incidents recorded to 31.03.19, -6,641 (-20.1%) compared to the same period last year.</p> <p>Levels remain down around one quarter since the start of the year. Every CSP shows a decrease. Most of the decrease continues to be within ASB Nuisance -5,302 (-24.7%). 6 CSPs still show a slight increase in ASB Personal.</p>

Demographics

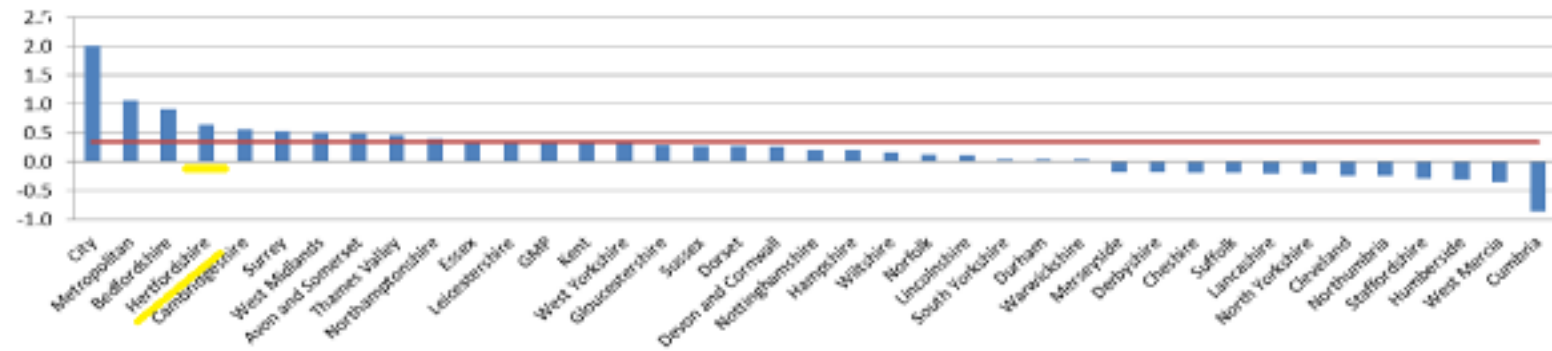
Hertfordshire under 25 population



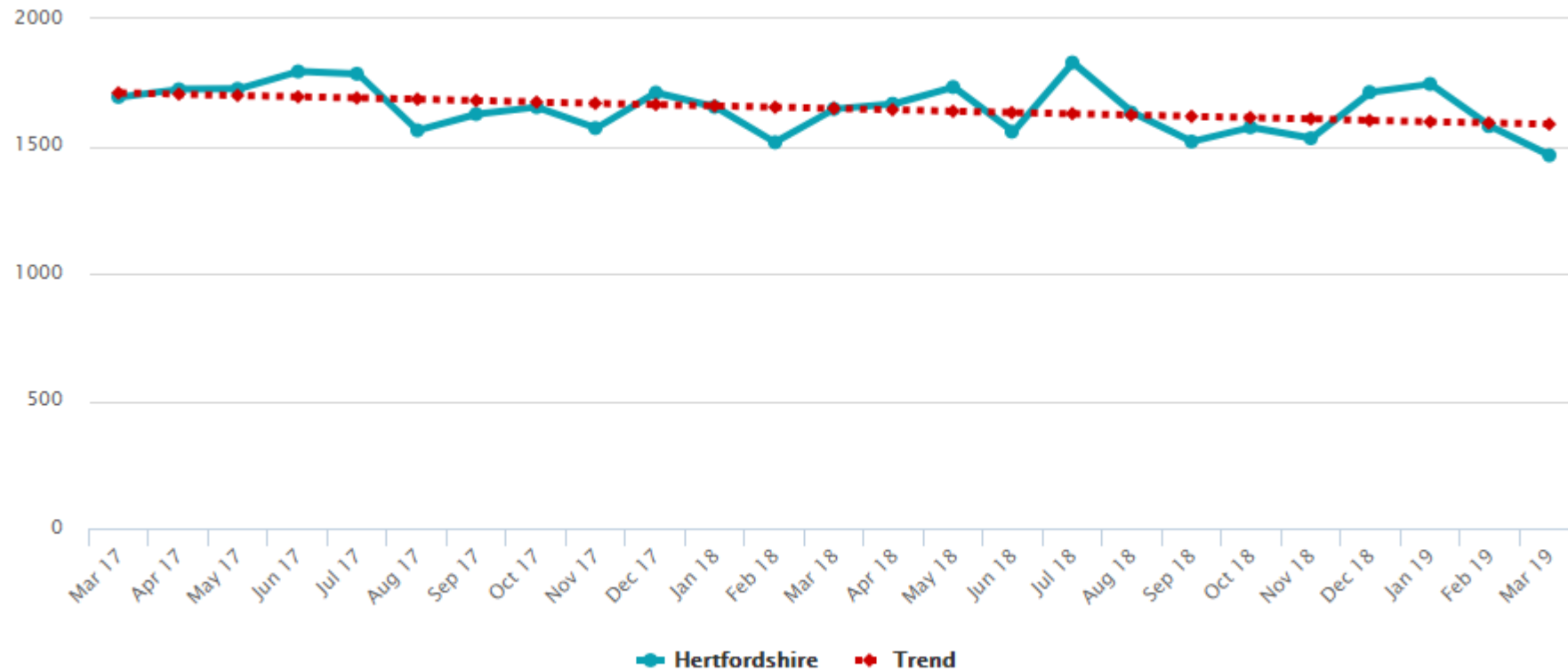
Hertfordshire over 70 population



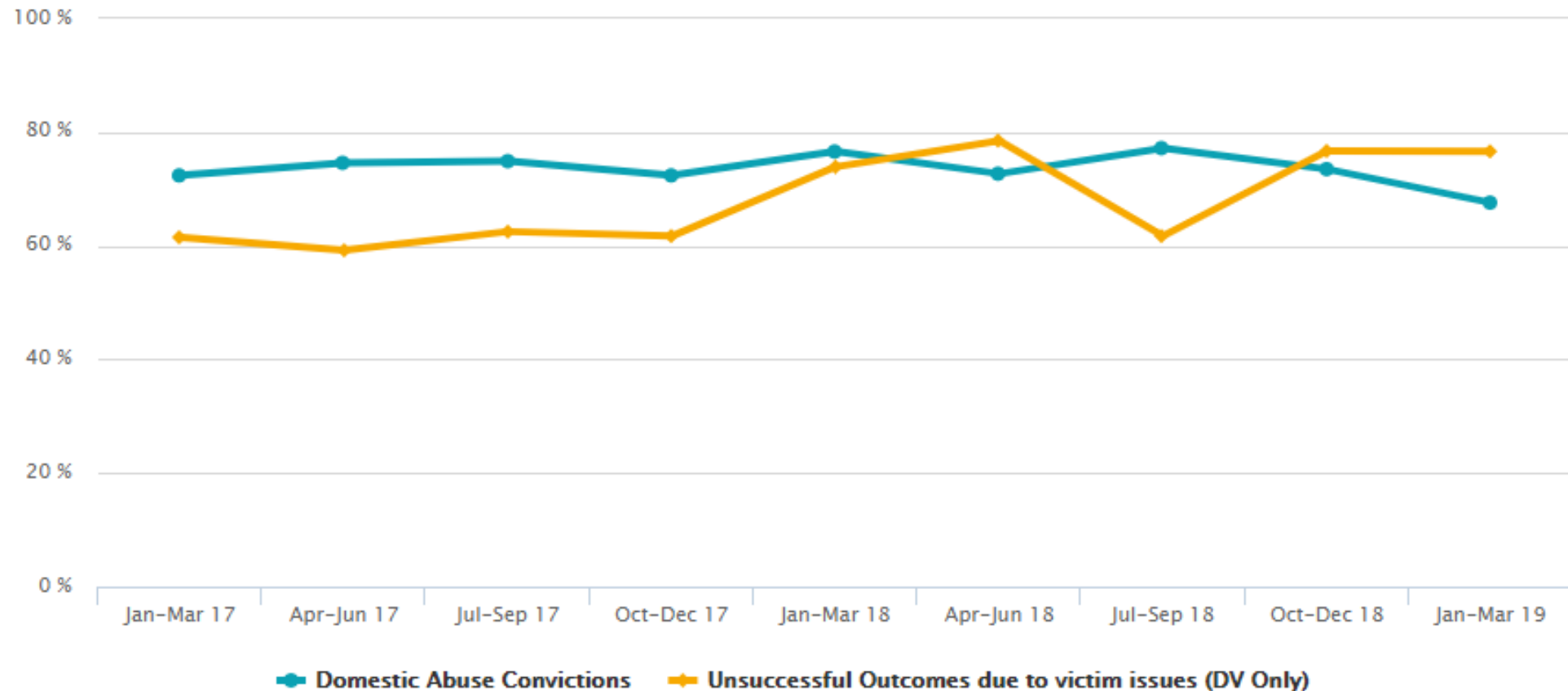
Percentage Population Change (under 25), 2017/18 to 2018/19 by Force in England



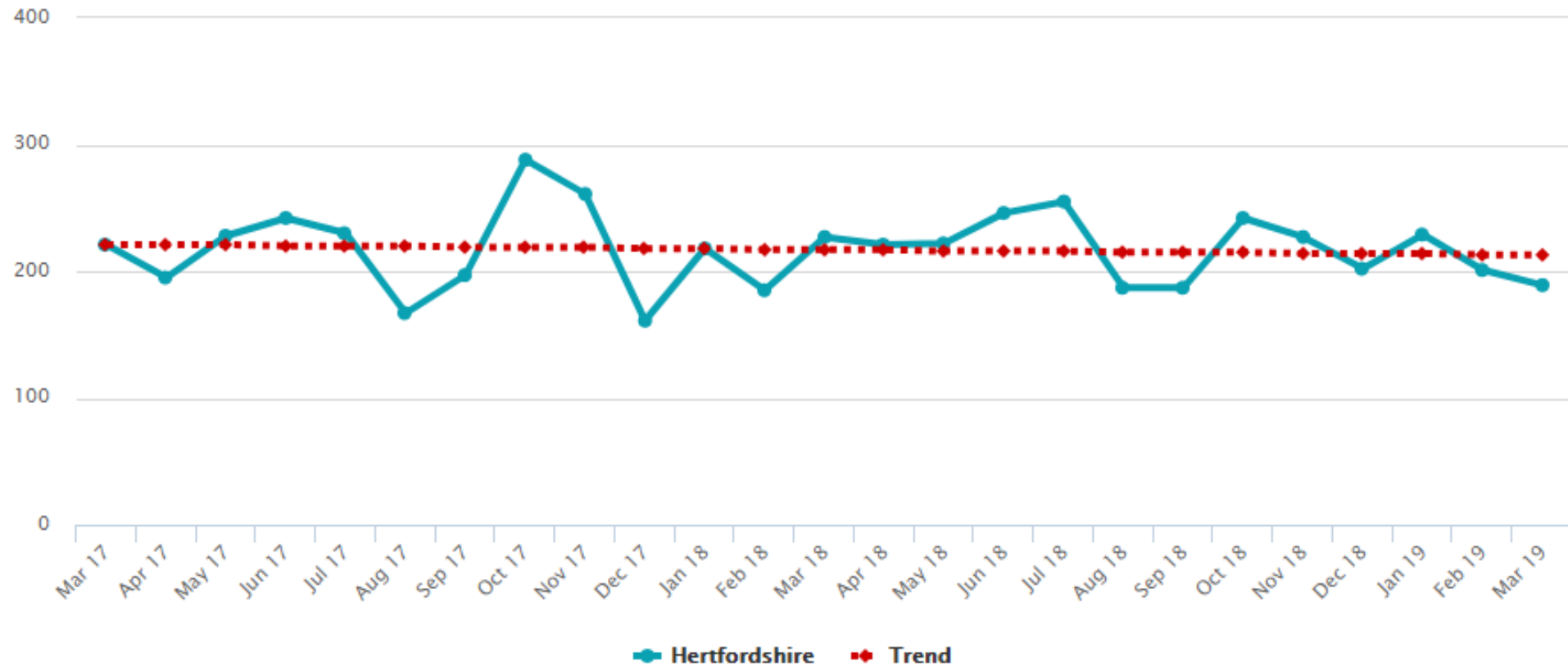
Slight reduction in domestic abuse reports – number of crimes or incidents flagged as domestic abuse



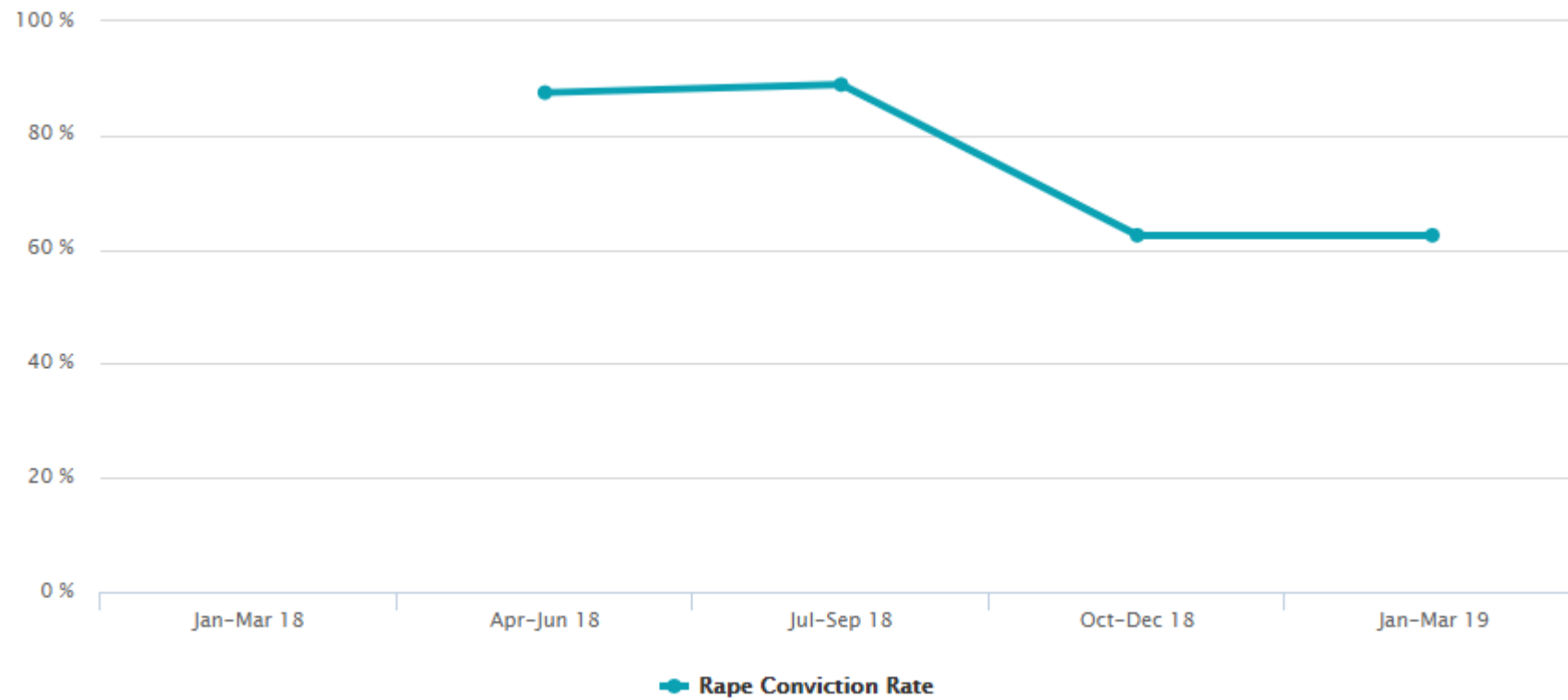
Domestic abuse related crime – conviction rate and unsuccessful outcomes due to V&W issues



All sexual offences in Herts – including rape



Rape conviction rate falling



FORECASTING

Crest Advisory Dashboard – Forecasting Tool

HERTFORDSHIRE PCC DASHBOARD FORECASTS

REVIEW KEY CRIMINAL JUSTICE STATISTICS FOR YOUR AREA

Forecast from Use data from previous Area

Method

Data One-lag forecast Exceptions Prediction Interval

 Run Report

Show advanced parameters

Forecasting metrics

This data tool allows a metric to be viewed with forecasting metrics modelled on previous data. The default method is 'Best Fit', which will run all forecasts and return the model with the best fit (by comparing AIC scores for each).

The models available are:

- Exponentially smoothed (higher weighting to more recent data, the optimum model is presented). Useful when historic data is not relevant.
- ARIMA – (three techniques – Autoregressive (AR), Integration (I), and Moving Average (MA), are combined and the optimum mode is presented). Most advanced theatrically.
- Holt – linear trend method. Simple exponential smoothing to allow the forecasting of data with a trend.
- Holt Winters – triple exponential smoothing. Useful for seasonal data.

Exception Reporting

HERTFORDSHIRE PCC DASHBOARD FORECASTS

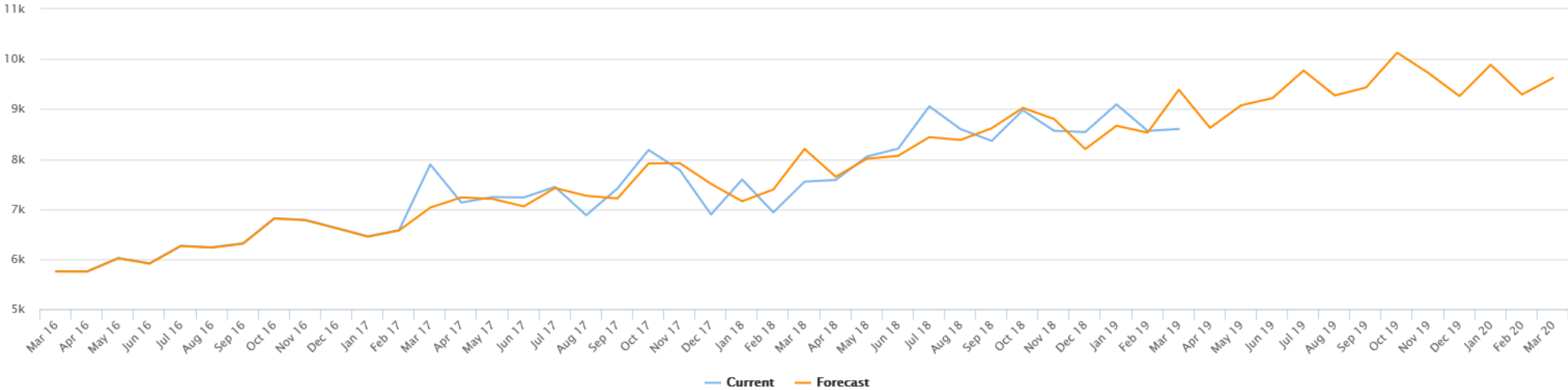
REVIEW KEY CRIMINAL JUSTICE STATISTICS FOR YOUR AREA

Forecast from Use data from previous Metric Area Method

Horizon periods

Data One-lag forecast Exceptions Prediction Interval

[Run Report](#) [Show advanced parameters](#)

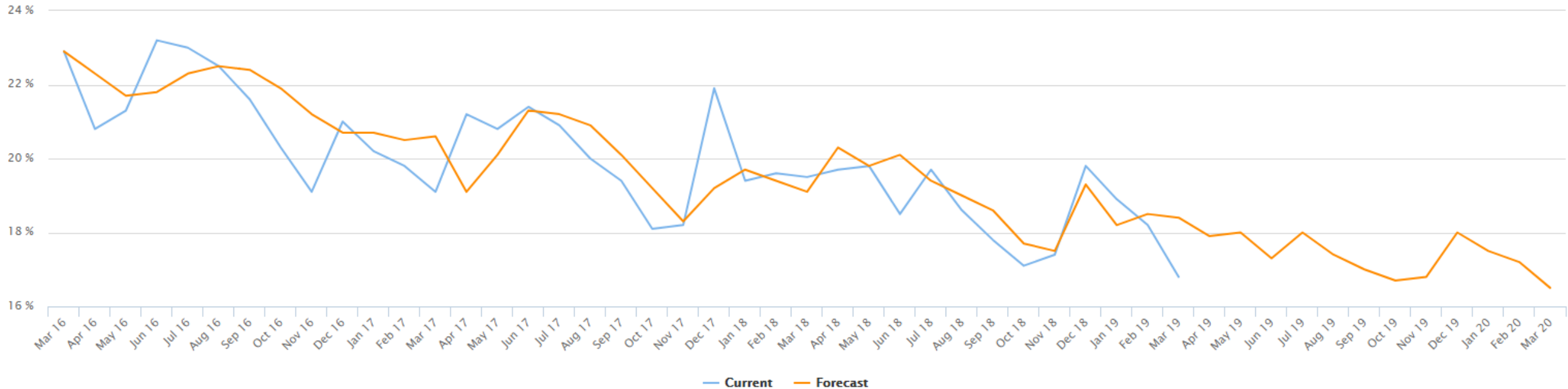


Forecasted Exceptions – Hertfordshire overall

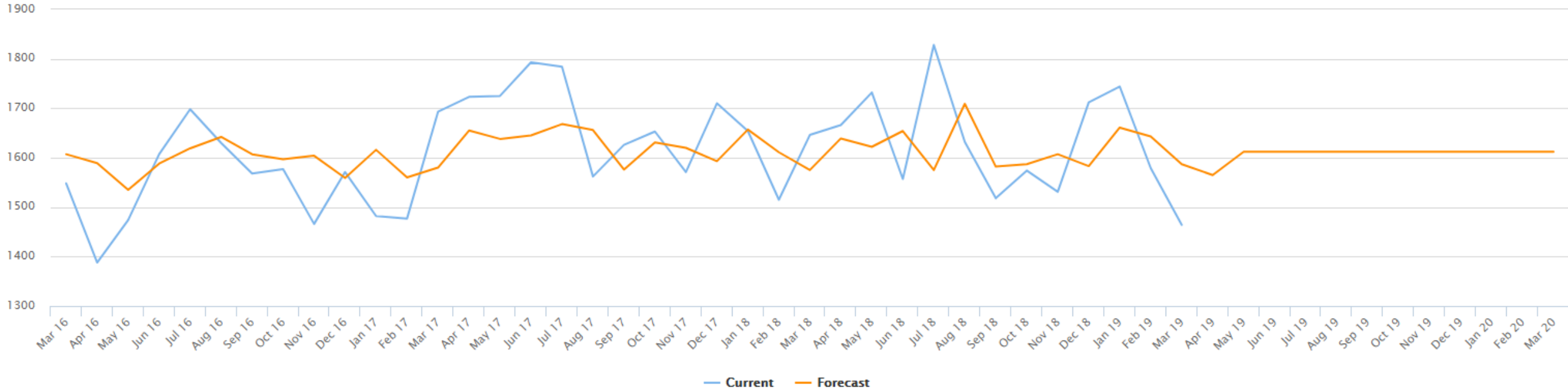
			PROBABILITY OF AN EXCEPTION WITHIN	
METRIC	METRIC CATEGORY	ENTITY	3 MONTHS	6 MONTHS
PENALTY NOTICES FOR DISORDER	Herts Police	Hertfordshire	76.3% ▲	94.6% ▲
Total Crime	Herts Police	Hertfordshire	68.5% ▼	92.0% ▼
Total Outcomes	Herts Police	Hertfordshire	62.7% ▼	87.2% ▼
Proportion of crimes or incidents flagged as religious faith	Herts Police	Hertfordshire	46.1% ▲	72.3% ▲
Proportion of crimes or incidents flagged as transphobic	Herts Police	Hertfordshire	45.6% ▼	74.4% ▼
Proportion of crimes or incidents flagged as domestic abuse related	Herts Police	Hertfordshire	39.0% ▲	69.1% ▲
Motoring	Herts Police	Hertfordshire	37.8% ▼	68.5% ▼
Number of crimes or incidents flagged as drug related	Herts Police	Hertfordshire	35.4% ▲	59.9% ▲
Proportion of crimes or incidents flagged as having a racial motive	Herts Police	Hertfordshire	33.5% ▲	69.6% ▲
Number of crimes or incidents flagged as transphobic	Herts Police	Hertfordshire	30.7% ▲	47.4% ▲

The tool can forecast future performance and estimate whether that will be exceptionally good or bad compared to current performance.

Proportion of reports that are DA related – expected to decrease



Actual number of reports DA related expected to stay constant



HERTFORDSHIRE PCC DASHBOARD

FORECASTS

REVIEW KEY CRIMINAL JUSTICE STATISTICS FOR YOUR AREA

Forecast from

Use data from previous

Metric

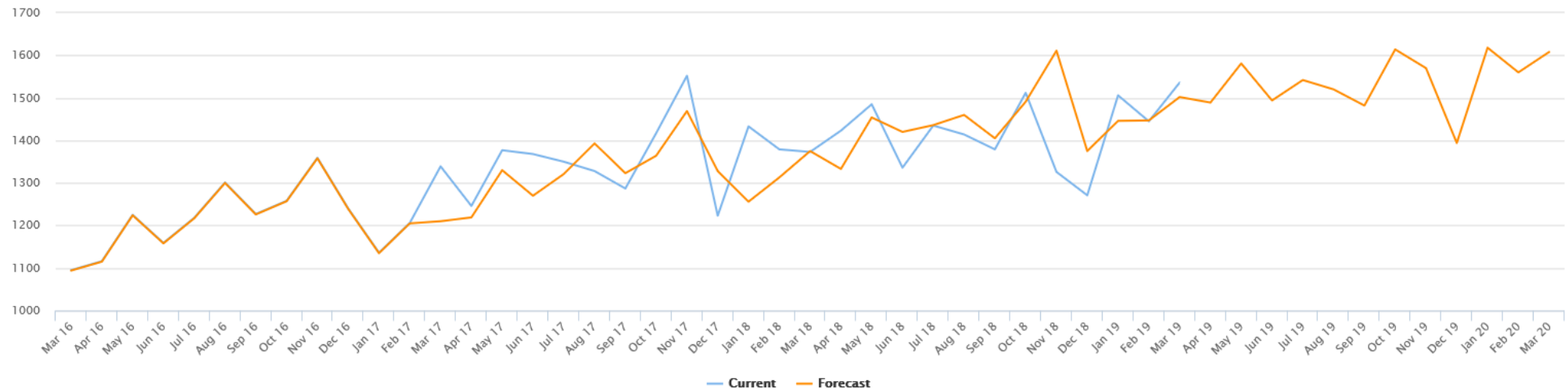
Area

Method

Horizon periods

Data One-lag forecast Exceptions Prediction Interval

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HERTFORDSHIRE PCC DASHBOARD

FORECASTS

REVIEW KEY CRIMINAL JUSTICE STATISTICS FOR YOUR AREA

Forecast from

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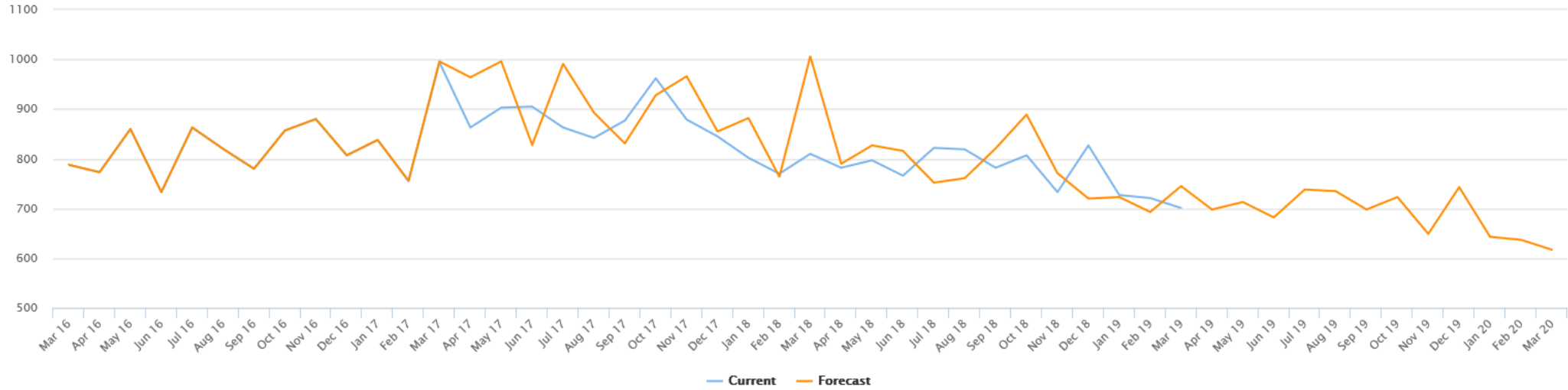
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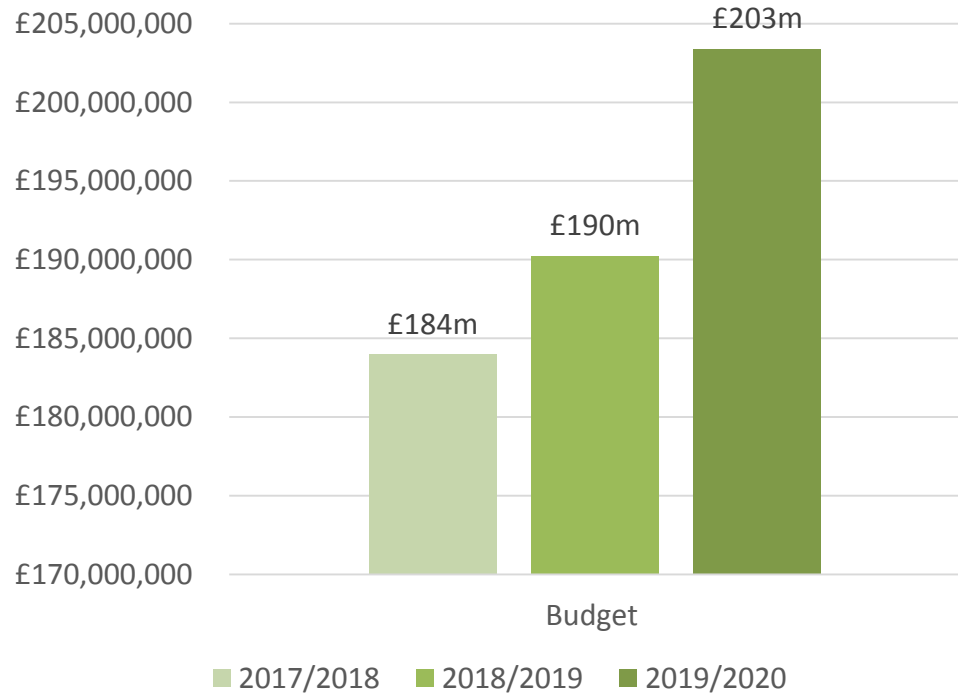
Data One-lag forecast Exceptions Prediction Interval

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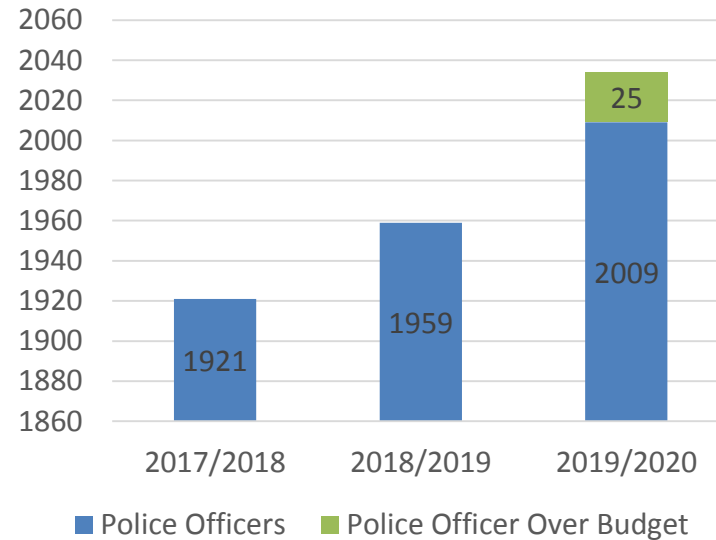


Resources

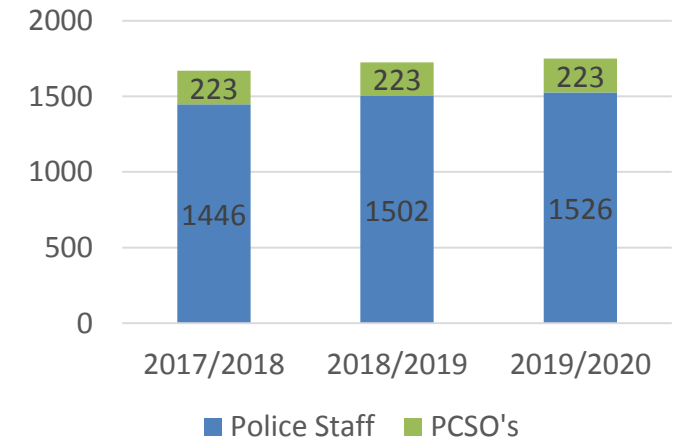
Net Revenue Budget



Police Officers



Police Staff



Special Constables

