

Police and Crime Plan 2016-2021

Monthly Performance Update

May 2020

National and MSG positions are to 31st March 2020 (Essex Police data are to 31st May 2020).



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Performance Analysis Unit, Essex Police
Sensitivity: Official

Executive Summary

- **Four of the seven PFCC Priorities** for Essex Police have been given a recommended grade of '**Good**'. Recommended grades have been determined with reference to comparisons with Essex Police's Most Similar Group (MSG) of forces, internal Key Performance Indicators (KPIs), and professional judgement.
- **Three of the seven PFCC priorities** – 1 (More local, visible and accessible policing), 3 (Breaking the cycle of domestic abuse) and 4 (Reverse the trend in serious violence) – have been given a recommended grade of '**Requires Improvement**'.
- **All Crime fell** by 0.6% for the 12 months to May 2020 compared to the 12 months to May 2019. This equates to 983 fewer offences. Essex Police recorded 2,377 fewer offences in the month of May 2020 compared to May 2019; this equates to a 16.3% reduction.
- **The number of crimes recorded by Essex Police has reduced since the introduction of the Government's restrictions on gathering and movement in relation to Covid-19 were introduced** compared to the period of no intervention. **24.7% fewer offences were recorded when the full restrictions were in place** (23 March 2020 to 10 May compared to the same period in 2019); this equates to around 116 fewer offences per day. By contrast, **14.9% fewer offences have been recorded since the restrictions have been eased** (11 May 2020 to 31 May 2020 inclusive compared to the same period in 2019); this equates to around 72 fewer offences per day. Each change in the rules relating to social distancing has affected the number of All Crime offences reported to Essex Police.*
- The number of **anti-social behaviour incidents increased by 47.8% in May 2020** compared to May 2019 (1,829 more incidents). This is due to the Government's social distancing restrictions that were implemented on 23 March 2020; many reports relate to activities that were previously not considered to be anti-social behaviour, for example social gatherings, as well as shops and businesses continuing to trade.
- Confidence (Essex Police internal survey) is at 64.7% (results to the 12 months to December 2019). Compared to year ending December 2018, confidence in the local police significantly decreased (deterioration of 3.0% points). Confidence in the local police from the Crime Survey of England and Wales (CSEW) places Essex eighth in its MSG, and 8.7% points below the MSG average.
- Due to the Government's social distancing restrictions that were implemented on 23 March 2020, statistically significant changes were experienced for a high number of offence types in the month of May 2020.**

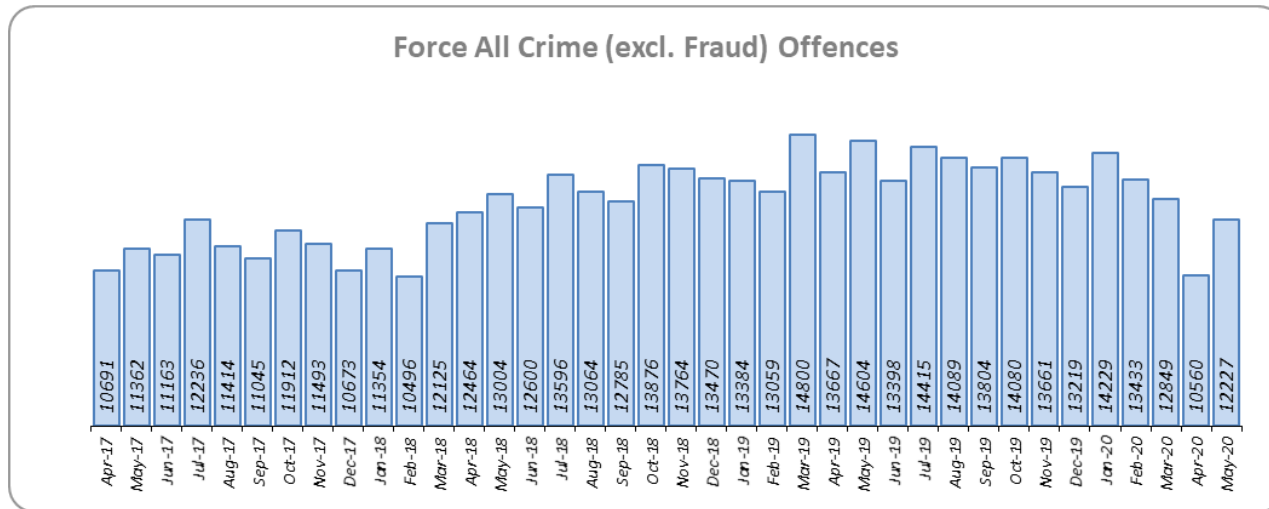
* Please see table showing the affect of social distancing measures on page 14.

** Please see additional notes on pages 12 and 13.

Priority 1 - More local, visible and accessible policing

Grade: **Requires Improvement**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Essex per 1,000 pop.	MSG Ave per 1,000 pop.	# diff.	Essex MSG Position
Number of all crime offences	162,149	161,166	-983	-0.6	92.4	79.5	12.9	8



Essex experienced a 0.6% decrease in All Crime (983 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. Essex is eighth in its Most Similar Group of forces (MSG) for crime per 1,000 population.

The number of crimes recorded daily by Essex Police has reduced since the introduction of the Government’s restrictions on gathering and movement in relation to Covid-19, compared to the period of no intervention. A breakdown showing the affect of these changes can be seen on page 14.

Essex was graded as Outstanding in its recent HMICFRS Crime Data Integrity (CDI) inspection. Essex Police is only the third force of the 41 that have been inspected judged as outstanding on the first visit in this inspection programme.

Priority 1 - More local, visible and accessible policing

Grade: **Requires Improvement**

Police Priority Indicators	12 months to Dec 2018	12 months to Dec 2019	% pt. Difference	% Difference				
Percentage of people who have confidence in policing in Essex (internal survey Q13b)	67.7	64.7	-3.0	-				
<i>Confidence Interval</i>	1.0	1.1						
Police Priority Indicators	12 months to Dec 2018	12 months to Dec 2019	Number Difference	% Difference	Essex	MSG Ave	# diff.	Essex MSG Position
Confidence in the local police (Crime Survey of England and Wales)	48.1	46.6	-1.5	-	46.6	55.3	-8.7	8
<i>Confidence Interval</i>	4.2	4.2			4.2	1.7		
Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Essex	MSG Ave	# diff.	Essex MSG Position
Harm (Crime Severity) Score* v. Most Similar Group of Forces (MSG) - All Crime	-	13.9	-	-	13.9	12.0	1.9	8
Emergency response attendance within 15 mins (urban) or 20 mins (rural) (GOS %)**	73.2	73.4	0	0.2				

Confidence (Essex Police internal survey) is at 64.7% (results to the 12 months to December 2019). Compared to year ending December 2018, confidence in the local police has significantly decreased (deterioration of 3.0% points). Confidence in the local police from the Crime Survey of England and Wales (CSEW) places Essex eighth in its MSG, and 8.7% points below the Most Similar Group of Forces (MSG) average. However, the sample size from this survey is not representative at a sufficiently small scale to measure local level results. The Essex Police internal survey (results detailed above) was therefore introduced to achieve a more accurate local measure with only a small margin of error. The results from the Essex Police survey show that the Force performs significantly better on confidence in local policing than the results from the CSEW, which asks the same question.

The All Crime Harm (Crime Severity) Score* (13.9) places Essex eighth (last) in its MSG.

Essex Police performance in relation to emergency response attendance within 15 minutes (urban) or 20 minutes rural remains below the 80% target for the 12 months to May 2020. Furthermore, performance deteriorated by 0.2 percentage points when compared to the 12 months to May 2019.

Due to the fact that Essex is 8th in its MSG for all comparable metrics, that the emergency response grade of service remains below target, and that Essex Police internal survey shows a deterioration in confidence in local police, a grade of Requires Improvement is recommended.

Please note:

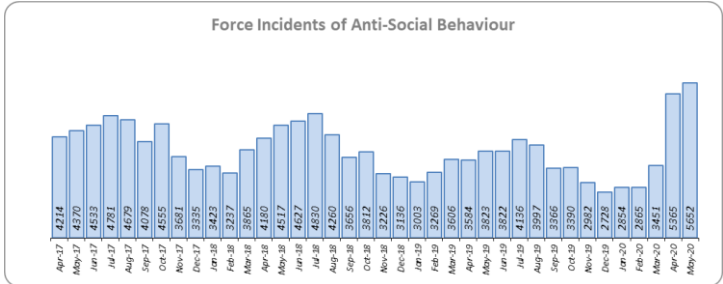
* Crime Severity Scores (as calculated by the Office for National Statistics) measure the 'relative harm' of crimes by taking into account both their volume and their severity.

** Grade of Service.

Priority 2 - Crack down on anti-social behaviour

Grade: **Good**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference
Number of anti-social behaviour incidents	45,156	44,836	-320	-0.7



Police Priority Indicators	12 months to Dec 2018	12 months to Dec 2019	Number Difference	% Difference	Essex	MSG Ave	# diff.	Essex MSG Position
ASB Perception:- Perception that ASB is a problem (CSEW)	6.1	3.1	-3.0	-	3.1	4.9	-1.8	2
<i>Confidence Interval</i>	4.4	2.5			2.5	1.4		

Police Priority Indicators	12 months to Dec 2018	12 months to Dec 2019	% pt. Difference	% Difference
Percentage of people who have confidence Essex Police and the organisations they work with are dealing with ASB (internal survey Q8a)	66.1	64.0	-2.1	-
<i>Confidence Interval</i>	1.1	1.1		

Essex experienced a 0.7% reduction (320 fewer) in Anti-Social Behaviour (ASB) incidents for the 12 months to May 2020 compared to the 12 months to May 2019. However, ASB increased by 47.8% in May 2020 compared to May 2019 (1,829 more incidents): this is due to the Government’s social distancing restrictions that were implemented on 23 March 2020 (many of these additional reports relate to activities that were previously not considered to be ASB, for example social gatherings, as well as shops and businesses continuing to trade).

ASB Perception (from the Crime Survey of England and Wales) in Essex experienced a 3.0% point decrease (improvement). Essex is 1.8% points better than the MSG average; this places Essex second in its Most Similar Group of forces. However, results of Essex’s internal survey decreased in relation to how well Essex Police and the organisations they work with deal with ASB (deterioration of 2.1% points).

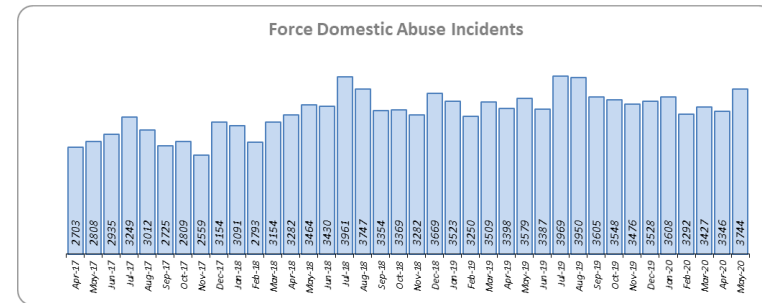
Due to the reduction in ASB incidents, and the fact that ASB Perception is better than the MSG average, a grade of Good is recommended.

Priority 3 - Breaking the cycle of domestic abuse

Grade: **Requires Improvement**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference
Number of incidents of domestic abuse	42,071	42,880	809	1.9
Number of repeat incidents of domestic abuse	19,298	20,783	1,485	7.7
Number of domestic abuse arrests	11,899	12,726	827	7.0

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference
Total domestic abuse offences solved	3,248	3,229	-19	-0.6
High Risk domestic abuse offences solved	831	738	-93	-11.2
Medium Risk domestic abuse offences solved	1,067	975	-92	-8.6
Standard Risk domestic abuse offences solved	1,149	1,331	182	15.8



Essex experienced a 1.9% increase (809 more) in Domestic Abuse incidents and a 7.7% increase (1,485 more) in repeat incidents of Domestic Abuse for the 12 months to May 2020 compared to the 12 months to May 2019.

There was a 0.6% decrease (19 fewer) in the number of solved Domestic Abuse outcomes in the 12 months to May 2020 compared to the 12 months to May 2019.

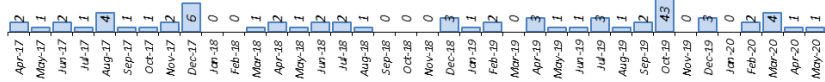
Due to the increase in repeat incidents and the decrease in the solved volume, a grade of Requires Improvement is recommended.

Priority 4 - Reverse the trend in serious violence

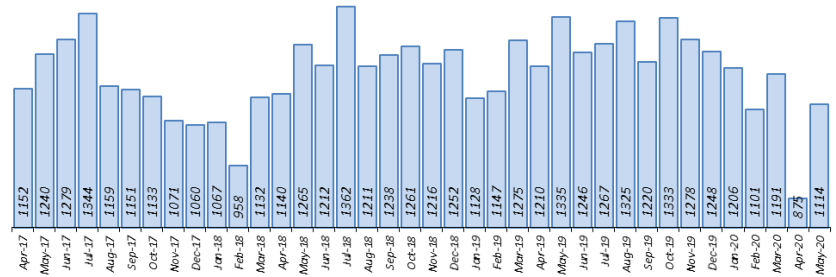
Grade: **Requires Improvement**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Essex per 1,000 pop.	MSG Ave per 1,000 pop.	# diff.	Essex MSG Position
Number of homicides	15	60	45	300.0	0.035	0.013	0.022	8
Number of violence with injury offences (new definition from Nov 2017)	14,941	14,648	-293	-2.0	8.453	8.500	-0.047	5

Force Homicide Offences



Force Violence with Injury Offences



Essex saw an increase of 45 Homicides (to 60 offences) for the 12 months to May 2020 compared to the 12 months to May 2019. This includes the tragic incident where 39 Vietnamese nationals were discovered in a lorry trailer in Grays in October 2019. Essex is eighth in its Most Similar Group (MSG) of forces for offences per 1,000 population, and is higher than the MSG average.

There was a 2.0% decrease (293 fewer offences) in Violence with Injury. Essex is fifth in its MSG for offences per 1,000 population, and is slightly better than the MSG average. Despite this decrease there is a rise in domestic abuse related Violence with Injury (11.9% increase, 600 more offences); 38.4% of Violence with Injury is domestic abuse-related.

Priority 4 - Reverse the trend in serious violence

Grade: **Requires Improvement**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Essex	MSG Ave	# diff.	Essex MSG Position
Harm (Crime Severity) Score* v. Most Similar Group of Forces (MSG) for Violence with Injury, Rape, Other Sexual Offences and Robbery of Personal Property	-	8.2	-	-	8.2	7.1	1.1	8
Number of Violence with Injury, Rape, Other Sexual Offences and Robbery of Personal Property solved	3,123	2,813	-310	-9.9				
Stop and search for weapons	1,445	3,705	2,260	156.4				
Knife-enabled crime**	825	1,189	364	44.1				

The combined harm (Crime Severity) score* (8.2) for Violence with Injury, Rape, Other Sexual Offences and Robbery of Personal Property places Essex eighth in its Most Similar Group of Forces (MSG).

There was a 9.9% decrease (310 fewer) in the number of solved Violence with Injury, Rape, Other Sexual Offences and Robbery of Personal Property in the 12 months to May 2020 compared to the 12 months to May 2019. This is being driven by a decrease in the numbers of Violence with Injury investigations that were solved (see page 16 for the numbers of solved for each category).

There was a 156.4% increase (2,260 more) in the number of stop and search for weapons in the 12 months to May 2020 compared to the 12 months to May 2019. This is a result of both increased police proactivity and improvements in technology.

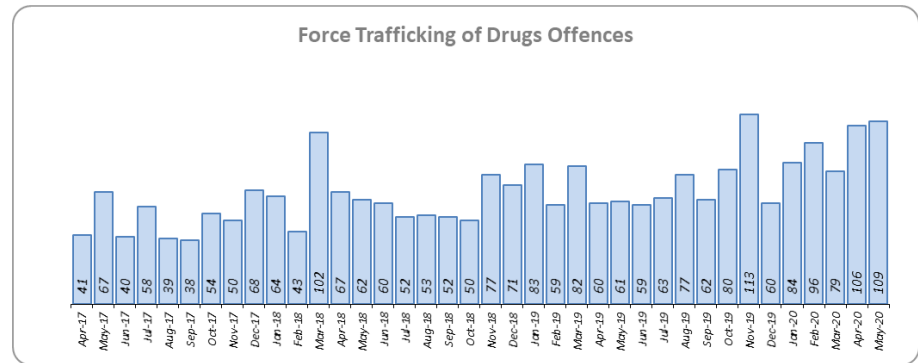
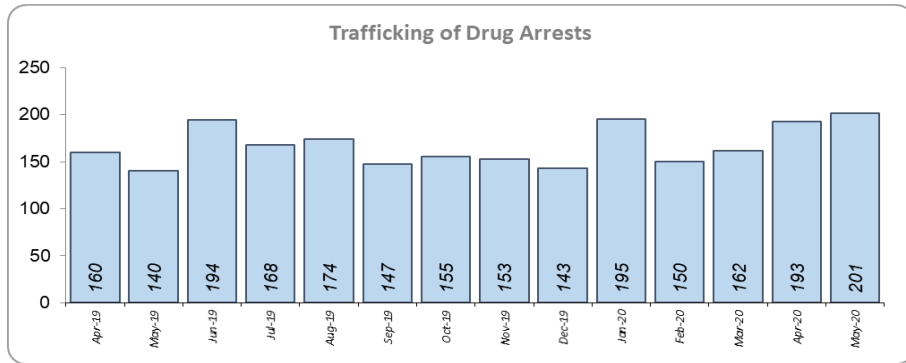
There was a 44.1% increase (364 more) in the number of Knife-enabled crime offences in the 12 months to May 2020** compared to the 12 months to May 2019.

Due to the fact that Essex is above the MSG average for high harm offences, and the number of solved Violence with Injury offences has decreased, a grade of Requires Improvement is recommended.

Please note:
 * Crime Severity Scores (as calculated by the Office for National Statistics) measure the 'relative harm' of crimes by taking into account both their volume and their severity.

** The number of knife crime offences is an indicator of how effective Essex Police is at identifying knife-enabled offences, and is not necessarily reflective of the number of these offences that have been committed in the county. This is because the identification of these offences is reliant on the appropriate indicator being manually added to the crime record. A manual review of knife flags was conducted and missing flags were added retrospectively. Whilst this has enabled us to better understand knife crime in Essex, the process has consequently inflated the figures. As such, no inferences can be drawn as to the current trend.

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference
Number of Organised Criminal Group disruptions*	26	55	29	111.5
Trafficking of drugs arrests	1,545	1,971	426	27.6



55 Organised Crime Group (OCG) disruptions were conducted in Essex in January to May* 2020 inclusive compared with 26 in the same months in 2019 (29 more). In January 2019 there was a change in the way in which the number of OCG disruptions were counted; this follows National Crime Agency (NCA) and Eastern Region Special Operations Unit (ERSOU) guidance to ensure that all forces record disruptions in the same way. Year-on-year comparisons can only therefore be made from January 2020.

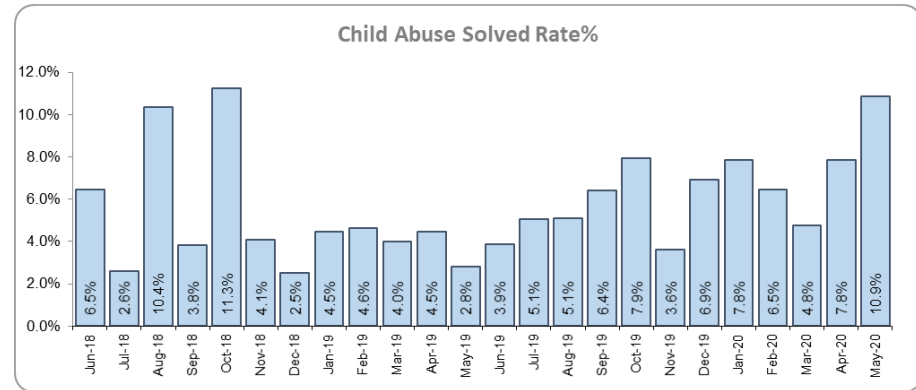
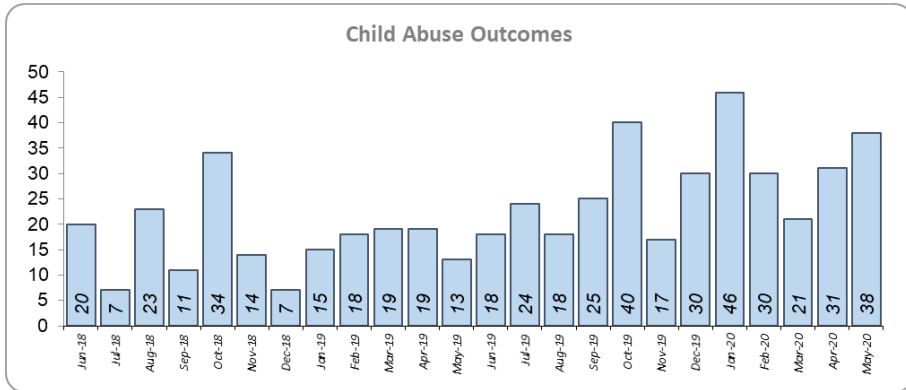
Trafficking of drug arrests, which are also as a result of police proactivity, increased by 27.6% (426 more) for the 12 months to May 2020 compared to the 12 months to May 2019. In the same period, 32.9% more trafficking of drugs offences have been recorded (251 more offences to 1,013).

Due to the increase in Trafficking of Drug Arrests, a grade of Good is recommended.

Please note:

* the number of Organised Crime Group disruptions are a comparison of January to May 2019 and January to May 2020, as there was a change in the method by which these disruptions were counted from January 2019.

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference
Number of child abuse outcomes	205	352	147	71.7
Child abuse solved rate	5.0	6.5	1.5	-
Child Sexual Abuse/Exploitation investigations	2,204	1,916	-288	-13.1



There was a 71.7% increase (147 more) in the number of solved Child Abuse Outcomes in the 12 months to May 2020 compared to the 12 months to May 2019.

31.6% more offences (an additional 1,299) were recorded in the 12 months to May 2020 compared to the 12 months to May 2019. There was a 1.5% point increase in the solved rate (from 5.0% to 6.5%).

There was a 13.1% decrease (288 fewer) in the number of Child Sexual Abuse/Exploitation investigations in the 12 months to May 2020 compared to the 12 months to May 2019.

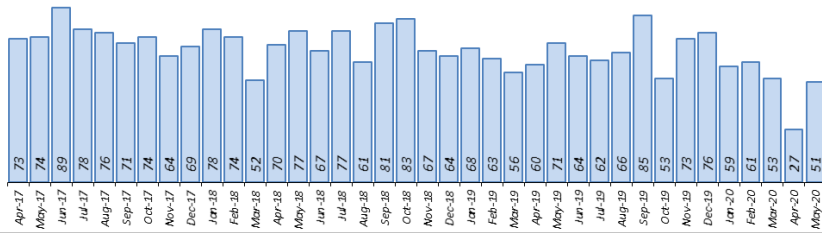
As the number of Child Abuse investigations solved each month has been consistently higher than the volumes recorded in the same month the previous year (since September 2019), a grade of Good is recommended.

Priority 7 - Improve safety on our roads

Grade: **Good**

Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Essex (per 100 million km) Data to June 2019	MSG Ave (per 100 million km) Data to June 2019	# diff.	Essex MSG Position
All people killed or seriously injured (KSI) in road collisions	840	767	-73	-8.7	1.171	1.120	0.051	5
Number of driving related mobile phone crime on Essex roads	2,608	1,016	-1,592	-61.0				
Number of driving under the influence of drink and/or drugs on Essex roads	3,214	3,975	761	23.7				

Force People Killed or Seriously Injured in Road Collisions (KSIs)



Rolling 12 months	12m to May 19	12m to May 20	Number Diff	% Diff
KSI - All	840	767	-73	-8.7%
KSI - Fatalities	46	44	-2	-4.3%
KSI - Serious injuries	794	723	-71	-8.9%
Number of Collisions	831	758	-73	-8.8%

There was an 8.7% decrease (73 fewer) in the numbers of those Killed or Seriously Injured (KSI) in Essex for the 12 months to May 2020 compared to the 12 months to May 2019. Please note that most KSIs do not result in criminal offences (such as death or serious injury caused by dangerous driving). Essex is placed fifth in its Most Similar Group (MSG) of forces for casualties per 100 million vehicle kilometres (results to June 2019).

There has been a 61.0% decrease in mobile phone crime (1,592 fewer offences) and a 23.7% increase (761 more offences) in drink/drug driving.

Due to the decrease in KSIs, a grade of Good is recommended. As of June 2019, Essex was slightly worse than the MSG average per 100 million km for this metric. However, due to the fact that more recent national figures have not been released, the current position cannot be updated. The date of the next national release has not yet been confirmed.

Monthly Performance Overview: Exceptions

Exceptions Overview

Due to the government lockdown and social distancing restrictions that were implemented on 23 March 2020 the following offence types experienced statistically significant changes for the month of May 2020.

Anti-Social Behaviour

0.7% decrease (320 fewer incidents) for the 12 months to May 2020 compared to the 12 months to May 2019. Despite the year on year decrease, there were statistically exceptional **increases** in ten Districts and a statistically exceptional **decrease** in Stansted Airport in May 2020.

Burglary Residential

18.4% decrease (1,576 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There was a statistically exceptional **decrease** in one District in May 2020.

Burglary Business and Community

22.3% decrease (737 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There was a statistically exceptional **decrease** in one District in May 2020.

Theft from a Vehicle

10.3% decrease (793 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **decreases** in five Districts in May 2020.

Theft of a Vehicle

16.4% decrease (910 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **decreases** in three Districts in May 2020.

Shoplifting - Offences

15.6% decrease (1,733 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **decreases** in six Districts and Stansted Airport in May 2020.

Monthly Performance Overview: Exceptions (continued)

Theft from the Person - Offences

17.7% decrease (253 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **decreases** in two Districts in May 2020.

Theft from the Person - Solved Rate

32.1% decrease (9 fewer solved offences) for the 12 months to May 2020 compared to the 12 months to May 2019. Despite the year on year decrease, there was a statistically exceptional **increase** in one District in May 2020.

Other Theft* - Offences

17.9% decrease (2,481 fewer offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **decreases** in six Districts and Stansted Airport in May 2020.

* **Other Theft** comprises: Blackmail, Theft in a Dwelling, Theft by a Employee, Theft of mail, Dishonest Use of Electricity, Theft from Automatic Machines or Meters, Other Theft or Unauthorised Taking and Making Off without Payment

Trafficking of Drugs

32.9% increase (251 more offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **increases** in three Districts and Stansted Airport in May 2020. **These offences are an measure of police proactivity.**

Possession of Drugs

53.5% increase (1,982 more offences) for the 12 months to May 2020 compared to the 12 months to May 2019. There were statistically exceptional **increases** in nine Districts in May 2020. **These offences are an measure of police proactivity.**

Monthly Performance Overview: Of Note

Covid-19: Restrictions of movement and social distancing

Since 13 March 2020, the Government implemented a series of alert levels and steps regarding the level of social distancing allowed in relation to Covid-19. Each change has affected the number of All Crime offences recorded.

Date Period	Level	Step	Restrictions	Number of days	Daily Average
01/06/2019 - 12/03/2020			No government restrictions	286	458
13/03/2020 - 22/03/2020		Recommended social distancing	<ul style="list-style-type: none"> • Introduction of self-isolation measures should Covid-19 symptoms be suspected • Only essential travel and socialising recommended 	10	433
23/03/2020 - 10/05/2020	Level 4	Compulsory lockdown	<ul style="list-style-type: none"> • Work from home if you can • Allowed to leave home for essential shopping or medical needs only • Only one hour of exercise outdoors allowed per day 	49	353
11/05/2020 - 31/05/2020	Level 4	Step 1	<ul style="list-style-type: none"> • Work from home if you can - but if you can't, you may be able to return to your workplace • Unlimited exercise outdoors • Meet one friend or family member outdoors - but stay two metres apart 	21	410

2016-2021 Police and Crime Plan Performance Indicators

Table 1

Police and Crime Plan Priorities	Police Priority Indicators	12 months to May 2019	12 months to May 2020	Number Difference	% Difference	Direction of Travel
Priority 1 - More local, visible and accessible policing	Percentage of people who have confidence in policing in Essex (internal survey Q13b) ¹	67.7	64.7	-3.0	-	Deteriorating
	<i>Confidence Interval</i> ²	1.0	1.1			
	Confidence in the local police (CSEW) ³	48.1	46.6	-1.5	-	Deteriorating
	<i>Confidence Interval</i> ²	4.2	4.2			
	Number of all crime offences	162,149	161,166	-983	-0.6	Improving
	Harm (Crime Severity) Score - All Crime ⁹	-	13.9	-	-	-
Priority 2 - Crack down on anti-social behaviour	Emergency response attendance within 15 minutes (urban) or 20 minutes (rural) (Grade of Service %)	73.2	73.4	-	0.2	Improving
	Number of anti-social behaviour incidents	45,156	44,836	-320	-0.7	Improving
	Percentage of people who have confidence that the policing response to ASB is improving (internal survey Q8a) ⁴	66.1	64.0	-2.1	-	Stable
	<i>Confidence Interval</i> ²	1.1	1.1			
Priority 3 - Breaking the cycle of domestic abuse	Number of incidents of domestic abuse	42,071	42,880	809	1.9	Deteriorating
	Number of repeat incidents of domestic abuse	19,298	20,783	1,485	7.7	Deteriorating
	Number of domestic abuse arrests	11,899	12,726	827	7.0	Improving
	Number of domestic abuse offences solved	3248	3229	-19	-0.6	Deteriorating
Priority 4 - Reverse the trend in serious violence (including Gangs)	Number of homicides ⁸	15	60	45	300.0	Deteriorating
	Number of violence with injury offences (new definition from Nov 2017)	14,941	14,648	-293	-2.0	Improving
	Harm (Crime Severity) Score for Violence with Injury, Rape, Other Sexual Offences and Robbery of Personal Property ⁹	-	8.2	-	-	-
	Number of Violence with Injury, Rape, Other Sexual and Robbery of Personal Property Offences solved	3,123	2,813	-310	-9.9	Deteriorating
	Stop and search for weapons	1,445	3,705	2,260	156.4	Improving
	Knife-enabled crime ¹⁰	825	1,189	364	44.1	Deteriorating
Priority 5 - Tackle gangs and organised crime	Number of Organised Criminal Group disruptions ⁵	26	55	29	111.5	Improving
	Trafficking of drugs arrests	1,545	1,971	426	27.6	Improving
Priority 6 - Protecting children & vulnerable people	Number of child abuse outcomes ⁶	205	352	147	71.7	Improving
	Child abuse solved rate	5.0	6.5	1.5	-	Improving
	Child Sexual Abuse/Exploitation investigations	2,204	1,916	-288	-13.1	Improving
Priority 7 - Improve safety on our roads	Number of driving related mobile phone crime on Essex roads	2,608	1,016	-1,592	-61.0	Improving
	Number of driving under the influence of drink and/or drugs on Essex roads	3,214	3,975	761	23.7	Deteriorating
	All people killed or seriously injured (KSI) in road collisions ⁷	840	767	-73	-8.7	Improving

Please note:

- The number of Organised Crime Group disruptions are a comparison of January to May 2019 and January to May 2020, as there was a change in the method by which these disruptions were counted from January 2019.

Please view above table with the explanations and caveats detailed on page 16.

End Notes

¹ Question from Essex Police's own confidence and perception survey (Question 13b). Results are for the period 12 months December 2019 versus the 12 months to December 2018.

² The confidence interval is the range +/- between where the survey result may lie. This is mainly influenced by the number of people answering the survey. The more people that answer the survey, the smaller the interval range.

³ Crime Survey for England and Wales (CSEW): 12 months to December 2019 vs. 12 months to December 2018.

⁴ Question from Essex Police's own confidence and perception survey (Question 8a). Results are for the period 12 months to December 2019 versus the 12 months to December 2018.

⁵ Please note that the number of Organised Crime Group disruptions are a comparison of January to May 2019 and January to May 2020 only due to a change in counting rules that occurred in January 2019. From January 2019, activity has been recorded rather than the number of people arrested. If there was a day of action, for example, and five people were arrested, this would formerly have counted as five disruptions, but now will count as one. The change stems from confusion over the previous guidelines, with police forces counting disruptions in different ways.

⁶ Solved outcomes are crimes that result in: charge or summons, caution, crimes taken into consideration, fixed penalty notice, cannabis warning or community resolution.

⁷ 'Killed or Seriously Injured' (KSI) refers to all people killed or seriously injured on Essex's roads, regardless of whether any criminal offences were committed. 'Causing Death/Serious Injury by Dangerous/Inconsiderate Driving' offences (detailed on p.11) refers to the number of crimes of this type.

⁸ Please note that on Wednesday 23 October 2019 the bodies of 39 Vietnamese nationals were discovered in a lorry trailer in Grays. This tragic incident is reflected in the Homicide numbers.

⁹ Crime Severity Score measures 'relative harm' of crimes by taking into account both the volume and the severity of offences, and by weighting offences differently. Data are for the 12 months to March 2020.

¹⁰ The number of knife crime offences is an indicator of how effective Essex Police is at identifying knife-enabled offences, and is not necessarily reflective of the number of these offences that have been committed in the county. This is because the identification of offences that involve a knife is reliant on the appropriate indicator being manually added to the crime record. A manual review of knife flags was conducted and missing flags were added retrospectively. Whilst this has enabled us to better understand knife crime in Essex, the process has consequently inflated the figures. As such, no inferences can be drawn as to the current trend.

Crime Tree Data – Rolling 12 Months to May

Table 2

Force

Crime Tree Data - Rolling 12 Months to May

Top Level		Offences												Solved Outcomes								Solved Rates %												
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.	
Anti-Social Behaviour (Incidents)	-	45156	44836	-320	-0.7	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Crime (excl. Action (NFIB) Fraud)	18.8	162149	161166	-983	-0.6	-0.5	14604	12227	-16.3	43410	35445	-18.3	23120	23488	368	1.6	1869	2219	18.7	5727	6422	12.1	14.3	14.6	0.3	2.1	12.8	18.1	5.4	13.2	18.1	4.9		
- State Based Crime	7.4	23936	27039	3103	13.0	2.6	2239	2748	22.7	6811	7128	4.7	7876	9772	1896	24.1	669	1143	70.9	2118	3017	42.4	32.9	36.1	3.2	1.8	29.9	41.6	11.7	31.1	42.3	11.2		
- Victim Based Crime	21.1	138213	134127	-4086	-3.0	-1.4	12365	9749	-23.3	36599	28317	-22.6	15244	13716	-1528	-10.0	1200	1076	-10.3	3609	3405	-5.7	11.0	10.2	-0.8	0.4	9.7	11.4	1.6	9.9	12.0	2.2		
Victim Based Crime		Offences												Solved Outcomes								Solved Rates %												
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.	
Violence Against the Person	37.3	59660	63894	4234	7.1	0.9	5527	5370	-2.8	16414	15244	-7.1	7617	7059	-558	-7.3	591	680	15.1	1752	1993	13.8	12.8	11.0	-1.7	-0.2	10.7	12.7	2.0	10.7	13.1	2.4		
- Homicide	6.7	15	60	45	300.0	-0.2	11	1	0.0	3	6	100.0	10	59	49	490.0	0	2	0	0	7	-	66.7	98.3	31.7	2.1	0.0	200.0	200.0	0.0	116.7	116.7		
- Violence with Injury	38.4	14941	14648	-293	-2.0	-0.8	1	1335	1114	-16.6	3890	3187	-18.1	2736	2243	-493	-18.0	227	216	-4.8	633	596	-5.8	18.3	15.3	-3.0	0.3	17.0	19.4	2.4	16.3	18.7	2.4	
- Death or Serious Injury caused by unlawful driving	4.2	31	24	-7	-22.6	-1.4	21	0	0	-	4	4	-20.0	27	29	2	7.4	1	2	100.0	7	5	-28.6	87.1	120.8	33.7	-0.8	-	-	-	140.0	125.0	-15.0	
- Death or serious injury by dangerous driving	5.3	26	19	-7	-26.9	-	0	0	-	4	4	0.0	24	20	-4	-16.7	0	0	-	5	4	-20.0	92.3	105.3	13.0	-	-	-	-	125.0	100.0	-25.0		
- Death by careless driving (drink or drugs)	-	1	0	-1	-100.0	-	0	0	-	0	0	-	0	0	0	0	0	0	-	0	0	-	0.0	-	-	-	-	-	-	-	-	-		
- Death by careless or inconsiderate driving	0.0	3	5	2	66.7	-	0	0	-	1	0	-100.0	3	8	5	166.7	1	0	-100.0	2	1	-50.0	100.0	160.0	60.0	-	-	-	-	200.0	-	-		
- Death or serious injury driving - unlicensed, disqualified, uninsured	-	0	0	0	-	-	0	0	-	0	0	-	0	0	0	0	0	0	-	0	0	-	0.0	-	-	-	-	-	-	-	-	-		
- Causing death by aggravated vehicle taking	-	1	0	-1	-100.0	-	0	0	-	0	0	-	0	1	1	-	0	0	-	0	0	-	0.0	-	-	-	-	-	-	-	-	-		
- Violence without injury	39.1	22846	26893	4047	17.7	0.8	6	2140	2124	-0.7	6397	6474	1.2	3024	3016	-8	-0.3	238	296	24.4	668	886	32.6	13.2	11.2	-2.0	0.2	11.1	13.9	2.8	10.4	13.7	3.2	
- Stalking and Harassment	34.6	21827	22269	442	2.0	1.2	10	2051	2131	3.9	6119	5573	-8.9	1820	1712	-108	-6.3	125	164	31.2	444	499	12.4	8.3	7.7	-0.7	-0.4	6.1	7.7	1.6	7.3	9.0	1.7	
Sexual Offences		Offences												Solved Outcomes								Solved Rates %												
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.	
Rape	38.0	1781	2010	229	12.9	-0.1	182	128	-32.4	526	395	-24.9	33	80	47	142.4	3	8	166.7	11	24	118.2	1.9	4.0	2.1	1.7	1.6	6.5	4.9	2.1	6.1	3.1	4.0	
- Rape - Under 16 yrs	3.9	483	459	-24	-5.0	-1.8	4	51	23	-54.9	149	82	-45.0	16	40	24	150.0	2	5	150.0	5	11	120.0	3.3	8.7	5.4	2.7	3.9	21.7	17.8	3.4	13.4	10.1	
- Rape - Over 16 yrs	48.1	1298	1551	253	19.5	-0.2	2	131	100	-23.7	377	313	-17.0	17	40	23	135.3	1	3	200.0	6	13	116.7	1.3	2.6	1.3	0.6	0.8	3.0	2.2	1.6	4.2	2.6	
- Other Sexual Offences	9.5	2688	2697	9	0.3	-1.5	5	278	175	-37.1	748	525	-29.8	192	345	153	79.7	14	35	150.0	49	89	81.6	7.1	12.8	5.6	2.3	5.0	20.0	15.0	6.6	17.0	10.4	
- Other sexual offences : Under 13	1.8	684	610	-74	-10.8	-	66	41	-37.9	184	137	-25.5	40	76	36	90.0	2	9	350.0	11	16	45.5	5.8	12.5	6.6	-	3.0	22.0	18.9	6.0	11.7	5.7		
- Other sexual offences : Under 16	2.6	748	814	66	8.8	-	75	52	-30.7	220	151	-31.4	66	135	69	104.5	6	15	150.0	20	37	85.0	8.8	16.6	7.8	-	8.0	28.8	20.8	9.1	24.5	15.4		
- Other sexual offences : Age 13 to 17	5.3	10	19	9	90.0	-	1	0	-100.0	2	6	200.0	2	1	-1	-50.0	1	1	0.0	1	1	0.0	20.0	5.3	-14.7	-	100.0	-	-	50.0	16.7	-33.3		
- Other sexual offences : Over 13	21.6	968	972	4	0.4	-	107	53	-50.5	258	173	-32.9	59	90	31	52.0	4	6	50.0	12	22	83.3	6.1	9.3	3.2	-	3.7	11.3	7.6	4.7	12.7	8.1		
- Other sexual offences : Over 16	25.0	9	8	-1	-11.1	-	2	3	50.0	3	3	0.0	0	0	0	0	0	0	0	0	0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0		
- Other sexual offences : Not Age Specific	3.6	269	274	5	1.9	-	27	26	-3.7	81	55	-32.1	25	43	18	72.0	1	4	300.0	5	13	160.0	9.3	15.7	6.4	-	3.7	15.4	11.7	6.2	23.6	17.5		
Robbery		Offences												Solved Outcomes								Solved Rates %												
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.	
Robbery of business property	0.0	187	143	-44	-23.5	-0.9	17	12	9	-25.0	43	23	-46.5	204	170	-34	-16.7	12	14	16.7	43	39	-9.3	11.2	11.8	0.7	0.6	7.7	15.1	7.3	9.2	14.2	4.9	
- Robbery of Personal Property	2.7	1642	1323	-319	-19.4	-1.5	7	143	84	-41.3	422	252	-40.3	162	145	-17	-10.5	9	12	33.3	31	33	6.5	9.9	11.0	1.1	0.8	6.3	14.3	8.0	7.3	13.1	5.7	
Theft Offences		Offences												Solved Outcomes								Solved Rates %												
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.	
Burglary	1.7	11879	9566	-2313	-19.5	-2.3	963	573	-40.5	2876	1891	-34.2	668	559	-109	-16.3	60	32	-46.7	175	100	-42.9	5.6	5.8	0.2	0.1	6.2	5.6	0.6	6.1	5.3	-0.8		
- Burglary Residential	2.2	8569	6993	-1576	-18.4	-2.0	3	652	433	-33.6	2012	1348	-33.0	390	348	-42	-10.8	45	18	-60.0	111	61	-45.9	4.6	5.0	0.4	-0.3	6.9	4.2	-0.7	5.5	4.5	-1.0	
- Burglary Business & Community	0.1	3310	2573	-737	-22.3	-2.2	13	311	140	-55.0	864	543	-37.2	278	211	-67	-24.1	15	14	-6.7	64	39	-39.1	8.4	8.2	-0.2	1.4	4.8	10.0	5.2	7.4	7.2	-0.2	
- Burglary Dwelling (pre-Apr 17 definition)	3.1	6092	4942	-1150	-18.9	-2.3	451	229	-49.2	1352	820	-39.3	364	324	-40	-11.0	43	15	-65.1	100	55	-45.0	6.0	6.6	0.6	0.2	9.5	6.6	-3.0	7.4	6.7	-0.7		
- Burglary Other (pre-Apr 17 definition)	0.2	5787	4624	-1163	-20.1	-1.5	512	344	-32.8	1524	1071	-29.7	304	235	-69	-22.7	17	17	0.0	75	45	-40.0	5.3	5.1	-0.2	0.4	3.3	4.9	1.6	4.9	4.2	-0.7		
- Vehicle Offences (incl. Interference)	1.2	15396	13575	-1821	-11.8	-3.4	1339	688	-48.6	4062	2485	-38.8	346	379	33	9.5	21	19	-9.5	94	94	0.0	2.2	2.8	0.5	0.7	1.6	2.8	1.2					

Crime Tree Data – Rolling 12 Months to May

Table 3

Victim Based: Under Reported		Offences										Solved Outcomes										Solved Rates %											
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.
Racial/Religiously Aggravated Offences	1.1	1516	1541	25	1.6	0.6		163	130	-20.2	432	379	-12.3	263	265	2	0.8	32	25	-21.9	67	81	20.9	17.3	17.2	-0.2	0.4	19.6	19.2	-0.4	15.5	21.4	5.9
Hate Crime HO Definition	3.3	2791	3027	236	8.5	0.8		282	256	-9.2	747	713	-4.6	364	388	24	6.6	32	41	28.1	78	117	50.0	13.0	12.8	-0.2	0.7	11.3	16.0	4.7	10.4	16.4	6.0
Domestic Abuse	100.0	26917	30326	3409	12.7	1.0		2397	2531	5.6	7111	7277	2.3	3248	3229	-19	-0.6	228	303	32.9	701	928	32.4	12.1	10.6	-1.4	-0.3	9.5	12.0	2.5	9.9	12.8	2.9
- High Risk Domestic Abuse	100.0	2507	2680	173	6.9	1.1		224	236	5.4	673	590	-12.3	831	738	-93	-11.2	52	54	3.8	176	160	-9.1	33.1	27.5	-5.6	-1.2	23.2	22.9	-0.3	26.2	27.1	1.0
- Medium Risk Domestic Abuse	100.0	4861	4685	-176	-3.6	-1.1		432	340	-21.3	1270	945	-25.6	1067	975	-92	-8.6	69	75	8.7	228	236	3.5	22.0	20.8	-1.1	-0.1	16.0	22.1	6.1	18.0	25.0	7.0
- Standard Risk Domestic Abuse	100.0	17688	21353	3665	20.7	1.3		1528	1769	15.8	4644	5281	13.7	1149	1331	182	15.8	95	155	63.2	259	455	75.7	6.5	6.2	-0.3	0.6	6.2	8.8	2.5	5.6	8.6	3.0
- No Risk Assessment	100.0	1861	1608	-253	-13.6	-0.1		213	186	-12.7	524	461	-12.0	201	185	-16	-8.0	12	19	58.3	38	77	102.6	10.8	11.5	0.7	1.0	5.6	10.2	4.6	7.3	16.7	9.5
State Based Crime		Offences										Solved Outcomes										Solved Rates %											
Crime Type	% DA 2020	2019	2020	# diff.	% diff.	Z	CS	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	# diff.	% diff.	1m May 19	1m May 20	Yr on Yr 1m % diff.	3m May 19	3m May 20	Yr on Yr 3m % diff.	2019	2020	% pt. diff.	Z	1m May 19	1m May 20	Yr on Yr 1m % pt. diff.	3m May 19	3m May 20	Yr on Yr 3m % pt. diff.
Drug Offences	0.0	4466	6699	2233	50.0	3.2		431	847	96.5	1372	2095	52.7	3866	6064	2198	56.9	356	755	112.1	1175	1971	67.7	86.6	90.5	4.0	0.1	82.6	89.1	6.5	85.6	94.1	8.4
- Trafficking of Drugs	0.0	762	1013	251	32.9	2.1		61	109	78.7	210	291	38.6	522	743	221	42.3	38	77	102.6	138	252	82.6	68.5	73.3	4.8	0.3	62.3	70.6	8.3	65.7	86.6	20.9
- Possession of Drugs	0.0	3704	5686	1982	53.5	3.3		370	738	99.5	1162	1804	55.2	3344	5321	1977	59.1	318	678	113.2	1037	1719	65.8	90.3	93.6	3.3	-0.1	85.9	91.9	5.9	89.2	95.3	6.0
Possession of Weapons	0.9	1927	1409	-518	-26.9	-0.3		133	136	2.3	431	317	-26.5	1254	810	-444	-35.4	74	73	-1.4	232	197	-15.1	65.1	57.5	-7.6	-0.9	55.6	53.7	-2.0	53.8	62.1	8.3
Public Order	9.0	13880	15256	1376	9.9	1.7		1312	1430	9.0	4005	3816	-4.7	2137	2146	9	0.4	180	240	33.3	538	651	21.0	15.4	14.1	-1.3	0.5	13.7	16.8	3.1	13.4	17.1	3.6
Miscellaneous Crimes against Society	16.7	3663	3675	12	0.3	1.2		363	335	-7.7	1003	900	-10.3	619	752	133	21.5	59	75	27.1	173	198	14.5	16.9	20.5	3.6	1.3	16.3	22.4	6.1	17.2	22.0	4.8

Crime Severity Score (CSS) - Based on the ONS Crime Severity Score which replaces the Cambridge Harm Index - data are for the financial year 2019/20, (a total of 21 crime types have been ranked where scores are available).

The CSS excludes proactively generated crime detection by police i.e. State Based Crime, as these offences do not reliably measure harms experienced by the population. Rather, they measure the resources invested in catching offenders.

Yr on Yr 1m %/% pt. diff. - compares the month of May 2020 with the month of May 2019.

Yr on Yr 3m %/% pt. diff. - compares the three months to May 2020 with the three months to May 2019.

Z Score - Standard Score over 1.96 or under -1.96. Standard Scores are used to calculate the probability of an event occurring within a normal distribution; they are also used to compare two scores from different normal distributions (for example the number of offences per police District). In this document, Standard Scores are calculated in the following way: (current month's figure, minus the average figure per month over the previous three years) divided by the Standard Deviation of the same three year period. Standard Deviation is a measure to determine how spread out figures are from the average or "mean" a large standard deviation indicates the data is widely spread; if small, the data will be more clustered together.