



Analytical Summary Report

An Overview of 2019 Vehicle Pursuits

The charts below visually summarize the 127 vehicle pursuits involving Fairfax County Police Officers in 2019.

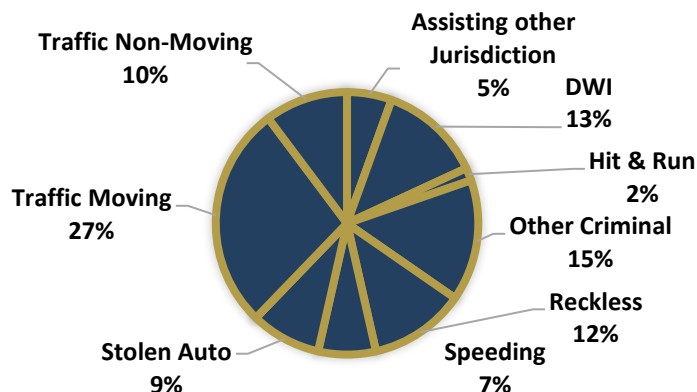
Pursuit Initiations

Reason for Pursuit Initiation	2016	2017	2018	2019	Total
Assisting Other Jurisdiction	13	13	9	7	42
DWI	3	1	12	16	32
Hit & Run	2	4	3	2	11
Other Criminal	29	22	26	19	96
Reckless	6	11	17	15	49
Speeding	23	29	9	9	70
Stolen Auto	5	7	13	11	36
Suspicious Event	6	0	2	0	8
Traffic Moving	37	45	53	35	170
Traffic Non-Moving	10	17	15	13	55
Total	134	149	159	127	569

Note: The Fairfax County Police Department Pursuit Policy was revised and became effective on January 1, 2019. [General Order 504, Vehicle Pursuits](#)

- **2019** – 27% of pursuits were initiated due to moving traffic violations, 15% were criminal related, and 13% were initiated due to DWI.
- **2018** – 33% of pursuits were initiated due to moving traffic violations, 16% were criminal related, and 11% were initiated due to reckless driving.
- **2017** – 30% of pursuits were initiated due to moving traffic violations, 19% were for speeding, and 15% for other criminal offenses.
- **2016** – 29% of pursuits were initiated due to moving traffic violations, 28% for speeding, and 14% for other criminal offenses.

PURSUIT INITIATIONS - 2019





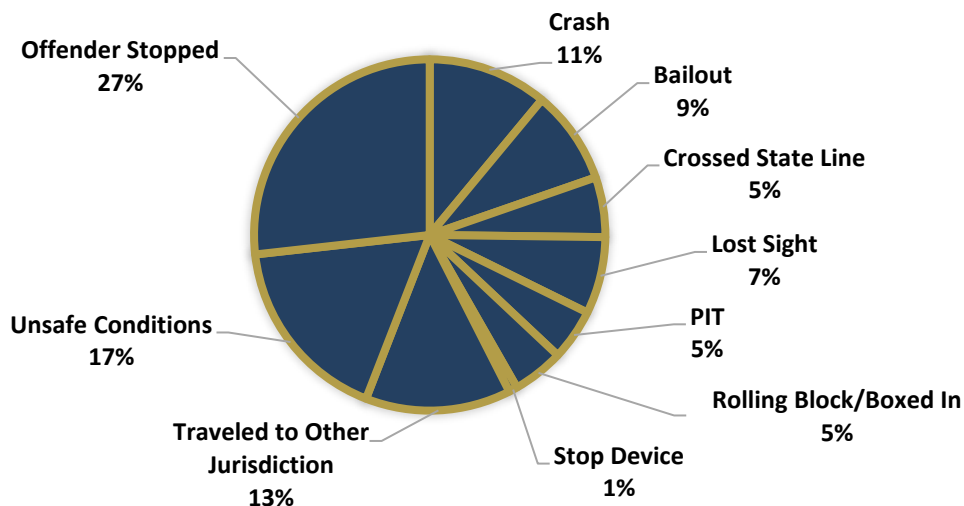
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Pursuit Terminations

Termination of Pursuits	2016	2017	2018	2019	Total
Bailout	13	14	20	11	58
Crash	7	25	23	14	69
Crossed State Line	8	7	12	7	34
Lost Sight	26	28	15	9	78
PIT	13	7	9	6	35
Rolling Block/Boxed In	7	10	12	6	35
Stop Device Successful	0	1	1	1	3
Traveled to Other Jurisdiction	22	17	21	17	77
Unsafe Conditions	5	7	6	22	40
Offender Stopped	33	33	40	34	140
Total	134	149	159	127	569

- Pursuits for 2019 were most often terminated because the offender stopped the vehicle, unsafe conditions, or from the vehicle traveling into another jurisdiction.
- Offender Stopped, Unsafe Conditions, and Traveled to Other Jurisdiction represent over 57% of the total pursuit termination reasons for 2019.

PURSUIT TERMINATIONS - 2019





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Pursuit Length in Miles

Length of Pursuits in Miles	2016	2017	2018	2019	Total
1 or Less	47	41	52	49	189
1.1 to 2	32	37	42	30	141
2.1 - 5	31	42	40	37	150
5.1 - 10	16	20	20	8	64
>10	8	9	5	3	25

Overall, from 2016 through 2019, most pursuits were under five miles, accounting for nearly 85% of all pursuits. In 2019, pursuits of all distances decreased, with notable decreases in pursuits that lasted between 1.1 to 2 miles and pursuits that lasted 5.1 to 10 miles. Pursuits in 2019 were down over 20% from 2018.

Of note, from 2016 through 2019, over 58% of pursuits consistently concluded before the two-mile mark.

Pursuit Time of Day and Day of Week

Pursuit Time of Day	2016	2017	2018	2019
12:00 AM	13	6	13	14
1:00 AM	11	6	11	10
2:00 AM	10	10	14	16
3:00 AM	6	17	8	16
4:00 AM	1	9	7	2
5:00 AM	5	2	0	1
6:00 AM	1	2	3	0
7:00 AM	2	1	2	0
8:00 AM	3	3	4	1
9:00 AM	1	2	3	4
10:00 AM	3	1	3	2
11:00 AM	2	6	3	3
12:00 PM	5	2	5	0
1:00 PM	1	4	2	3
2:00 PM	3	2	8	2
3:00 PM	6	3	5	7
4:00 PM	12	7	2	1
5:00 PM	5	9	3	3
6:00 PM	0	5	9	4
7:00 PM	5	3	4	2
8:00 PM	6	8	11	6
9:00 PM	12	15	14	8
10:00 PM	5	16	10	12
11:00 PM	16	10	15	10

Pursuit Day of Week	2016	2017	2018	2019	Total
Sunday	22	26	22	11	81
Monday	19	15	19	19	72
Tuesday	19	15	21	19	74
Wednesday	11	25	24	20	80
Thursday	17	19	13	18	67
Friday	21	22	36	17	96
Saturday	25	27	24	23	99
Total	134	149	159	127	569

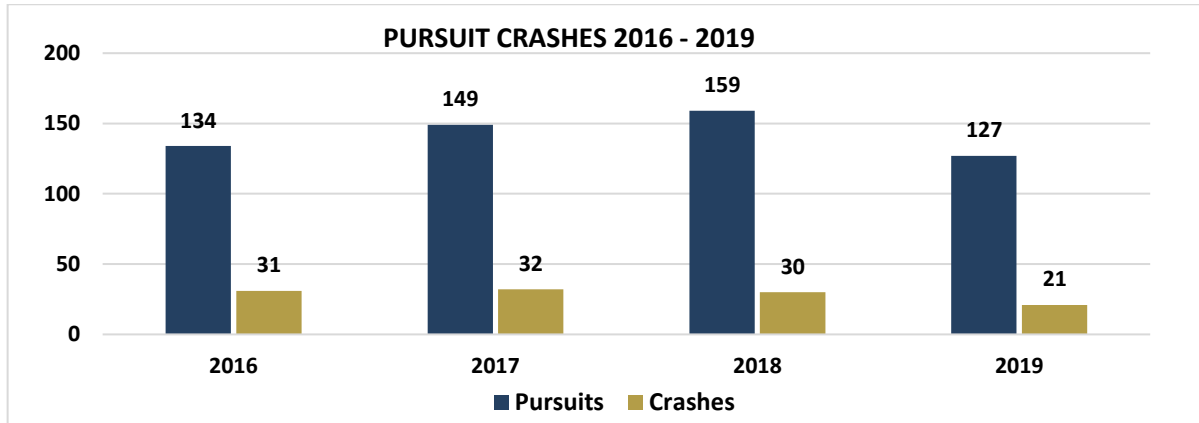
- **2019** – Saturday, Wednesday, Tuesday, and Monday were the most active days for pursuits to occur.
- **2018** – Friday, Saturday, and Wednesday were the three most active days for pursuits to occur.
- **2017** – Saturday, Sunday, and Wednesday were the three most active days for pursuits to occur.
- **2016** – Saturday, Sunday, and Friday were the three most active days for pursuits to occur.
- Statistically from 2016 through 2019, 9:00 PM to 3:00 AM has been the most active time for pursuits to occur each year.





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Pursuit Crashes



Crashes that occurred during a pursuit will not be equal to the amount of crashes that terminated a pursuit. Some crashes involving the offender vehicle might not have brought the offender to a stop at that time. Some crashes may have involved police vehicles only and/or community member vehicles that did not bring the pursuit to a conclusion.

- **2019** – 16% of the total pursuits resulted in a crash occurring.
- **2018** – 19% of the total pursuits resulted in a crash occurring.
- **2017** – 21% of the total pursuits resulted in a crash occurring.
- **2016** – 23% of the total pursuits resulted in a crash occurring.

Pursuit Injuries

Pursuit Injuries	2016	2017	2018	2019
Injury to Offender	9	6	8	3
Injury to Officer	0	1	1	3
Injury to Bystanders	3	6	4	2
Injury to Pedestrians	0	0	0	0

- From 2016 through 2019, most injuries sustained during a pursuit were received by the offender(s).
- Overall, 56% of injuries were to offenders, 33% of injuries were to bystanders, 11% to officers, and none to pedestrians.
- Bystanders are community members located inside uninvolved vehicles or community members in the offender vehicle.
- 2019 saw the fewest injuries from 2016 to present.

Involved Person at Fault for Pursuit Crash Resulting in Injury 2016 - 2019				
	2016	2017	2018	2019
Officer at Fault	0	0	0	0
Offender at Fault	12	13	13	8





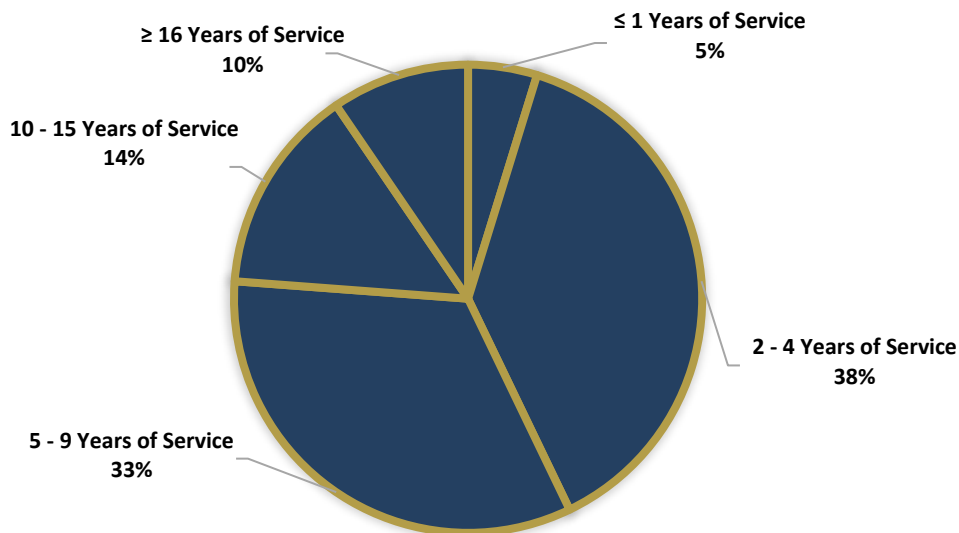
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Years of Service for Officers Involved in Pursuit Crashes

Officer Years of Service for Pursuit Crashes	2016	2017	2018	2019	Total
≤ 1	7	2	0	1	10
2 - 4	6	9	15	8	38
5 - 9	11	8	6	7	32
10 - 15	6	5	5	3	19
≥ 16	1	8	4	2	15
Total	31	32	30	21	114

From 2016 through 2019, officers with *two to four years* of service and officers with *five to nine years* of service made up over 61% of the total crashes that occurred during a pursuit. Officers in these two categories are more likely to be involved in a pursuit due to them making up a large percentage of the overall department.

PURSUIT CRASHES BY OFFICER YEARS OF SERVICE - 2019





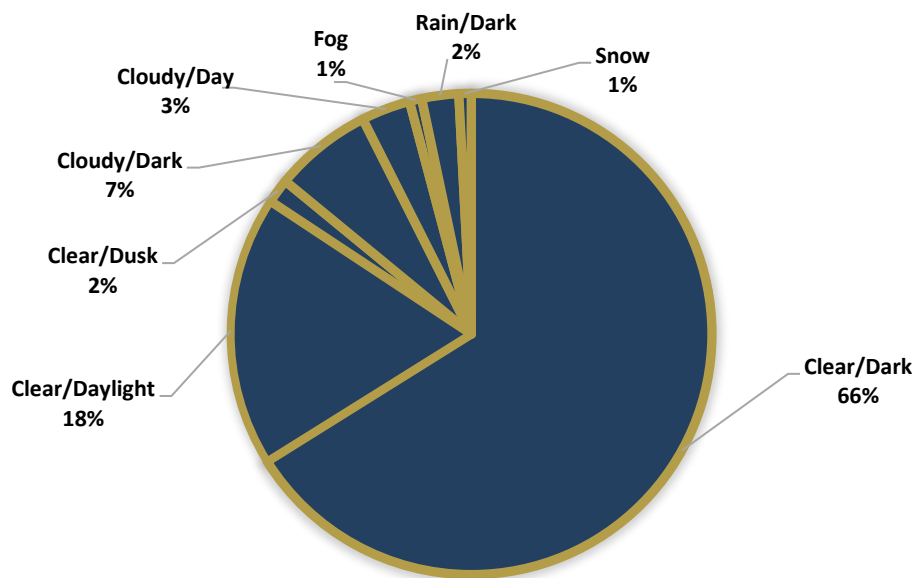
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Weather Conditions During Pursuits

Pursuit Weather	2016	2017	2018	2019	Total
Clear/Dark	68	59	75	80	282
Clear/Dawn	1	8	3	0	12
Clear/Daylight	31	30	36	22	119
Clear/Dusk	0	2	4	2	8
Cloudy/Dark	8	13	21	8	50
Cloudy/Day	7	9	3	4	23
Fog	1	1	0	1	3
Mist	0	13	7	0	20
Rain/Dark	3	8	4	3	18
Rain/Light	2	1	3	0	6
Snow	2	0	1	1	4
Unknown	11	5	2	0	18

- Over 50% of pursuits occur during nighttime hours under clear conditions.
- 21% of pursuits occur during daylight hours under clear condition.
- 13% of pursuits occur during cloudy conditions during day and night.
- 8% of pursuits occur during wet condition.

PURSUIT WEATHER CONDITIONS - 2019





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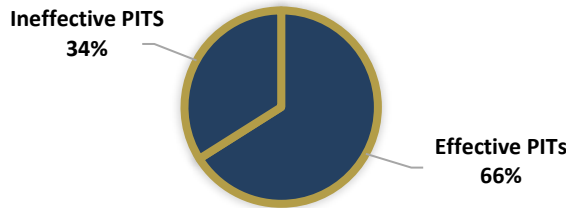
Precision Immobilization Technique Summary (PIT)

PIT Statistics 2016 - 2019					
	2016	2017	2018	2019	Total PITS
Effective PITS*	13	7	9	6	35
Ineffective PITS	4	8	2	4	18
Total PIT Attempts	17	15	11	10	53

*Effective PIT maneuvers are those that bring a pursuit to a conclusion, while ineffective PIT maneuvers do not bring a pursuit to a conclusion. Additional information on Fairfax County Police Department’s PIT procedures can be found in [General Order 505, Stopping Techniques](#).

- In 2019, 60% of the total PIT maneuvers were effective.
- In 2018, 81% of the total PIT maneuvers were effective.
- In 2017, 46% of the total PIT maneuvers were effective.
- In 2016, 76% of the total PIT maneuvers were effective.
- When comparing the past four years, PIT maneuvers have been effective 66% of the time and ineffective 34% of the time.

PIT EFFECTIVE RATE 2016 - 2019



PIT Related Injuries 2016 - 2019					
	2016	2017	2018	2019	Total PIT Injuries
Offender	4	4	2	5	15
Community Member in Offender Vehicle	0	2	0	0	2
Officer	0	1	0	1	2
Uninvolved Community Member	0	0	0	0	0
Total Injuries	4	7	2	6	19

- From 2016 to 2019 there were no PIT-related injuries sustained by uninvolved community members.
- Most injuries from 2016 through 2019 were sustained by offenders.
- A total of two officers were injured in that time frame, as well as two individuals located inside offender vehicles.
- All recorded injuries during PIT maneuvers from 2016 to 2019 were considered minor.

