

DATE: August 8, 2019

REGARDING: 2018 US Motorcycle Theft and Recovery (through 06/13/2019) (Public Dissemination)

PREPARED BY: Przemyslaw "PJ" Jalowiecki, Sr. Strategic Analyst

## Introduction

This ForeCAST report analyzes the 41,674 motorcycle thefts for 2018 and recoveries for 2018 and 2019 (through 06/13/19) in the United States (U.S.), and the District of Columbia (D.C.). For the purposes of this report, the information reported to the US Federal Bureau of Investigation's (FBI) National Crime Information Center (NCIC) for motorcycle theft data for 2018 and recovery data for 2018 and 2019 (through 06/13/19) was analyzed by NCIC Make, Model, and Style and Loss Description fields. This report is divided into two sections. The first section analyzes motorcycle thefts in the U.S. for 2018 by: theft year, month, state, city, county, and make. The second section analyzes motorcycle recoveries in the U.S. for 2018 and 2019 (through 06/13/19) by: year, month, state, and make. The appendix at the end of this report includes the methodology of the data editing.

## Executive Summary

Overall, there were a total of 41,674 motorcycle thefts in the U.S. in 2018. From 2017 to 2018, motorcycle thefts decreased by 6%. Motorcycle thefts mostly occur in the warmer months; August had the most motorcycle thefts, while February had least thefts. Motorcycle thefts were highest in the state of California (7,035) in 2018. Of the top 10 states, New York had the largest increase (228) in motorcycle thefts and California had the largest decrease (502) in motorcycle thefts from 2017 to 2018. Analysis by city found New York, NY to have the highest count of thefts (1,310) in 2018, with a 34% increase over 2017. There were 2,032 U.S. counties identified in 2018 with a motorcycle theft. The top 25 counties accounted for 32% of motorcycle thefts in 2018, with Los Angeles County ranking 1<sup>st</sup> at 1,553 thefts. Analysis found Honda to be the manufacturer with the most thefts (8,260) in 2018. Motorcycle manufacturer Zhejiang Riya had the highest percent increase (41%) in motorcycle thefts of the top 15 manufacturers from 2017 – 2018.

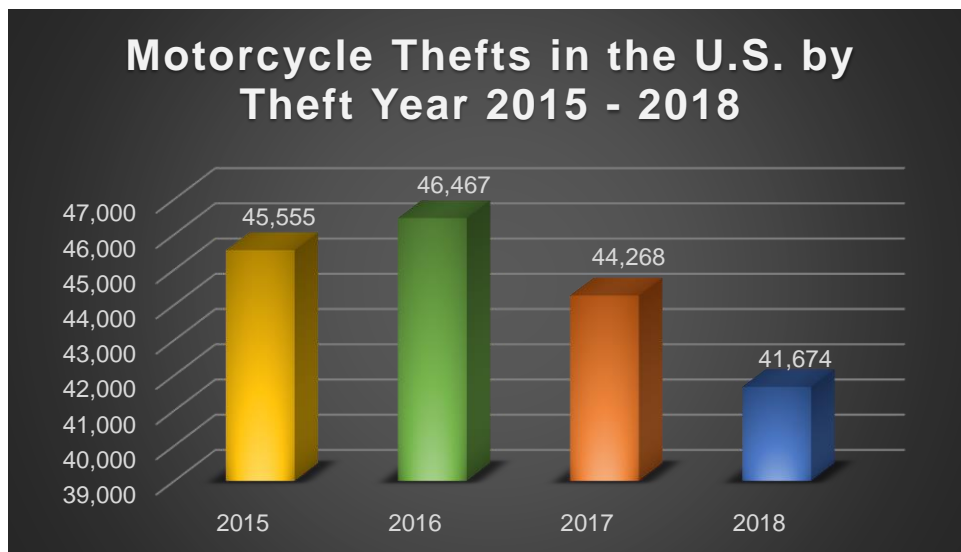
Of the 41,674 motorcycle thefts in 2018, 18,534 (44%) were recovered from 01/01/2018 through 06/13/2019. In 2018, August (2,052) and September (1,928) had the largest number of motorcycle recoveries; while January (450) and February (667) had the fewest motorcycle recoveries. From 01/01/2018 through 06/13/2019, California had most (3,467) recoveries statewide. From the top 10 motorcycle recovery states, Colorado had the highest (55%) recovery for 2018 through 06/13/2019. Analysis found Honda to be the manufacturer with the most (3,824) recoveries in 2018 through 06/13/2019. Manufacturer Triumph had the highest rate (64%) of recovery of the top 15 recovered manufacturers in 2018.

## SECTION 1: Motorcycle Theft in the U.S. 2018

This section analyzes the 41,674 motorcycle thefts which were reported to NCIC, in the U.S. in 2018. The following subsections further analyze the 41,674 motorcycle thefts by: theft year, month, state, city, county, and make.

### Motorcycle Thefts: By Year

The following graph shows the comparison of reported motorcycle thefts in the U.S. for the theft years of 2015 through 2018. The number of motorcycle thefts increased by 2% from 45,555 in 2015 to 46,467 in 2016. The number of motorcycle thefts decreased by 5% from 46,467 in 2016 to 44,268 in 2017. The number of motorcycle thefts decreased by 6% from 44,268 in 2017 to 41,674 in 2018. Overall, motorcycle thefts decreased by 9% from 2015 through 2018.

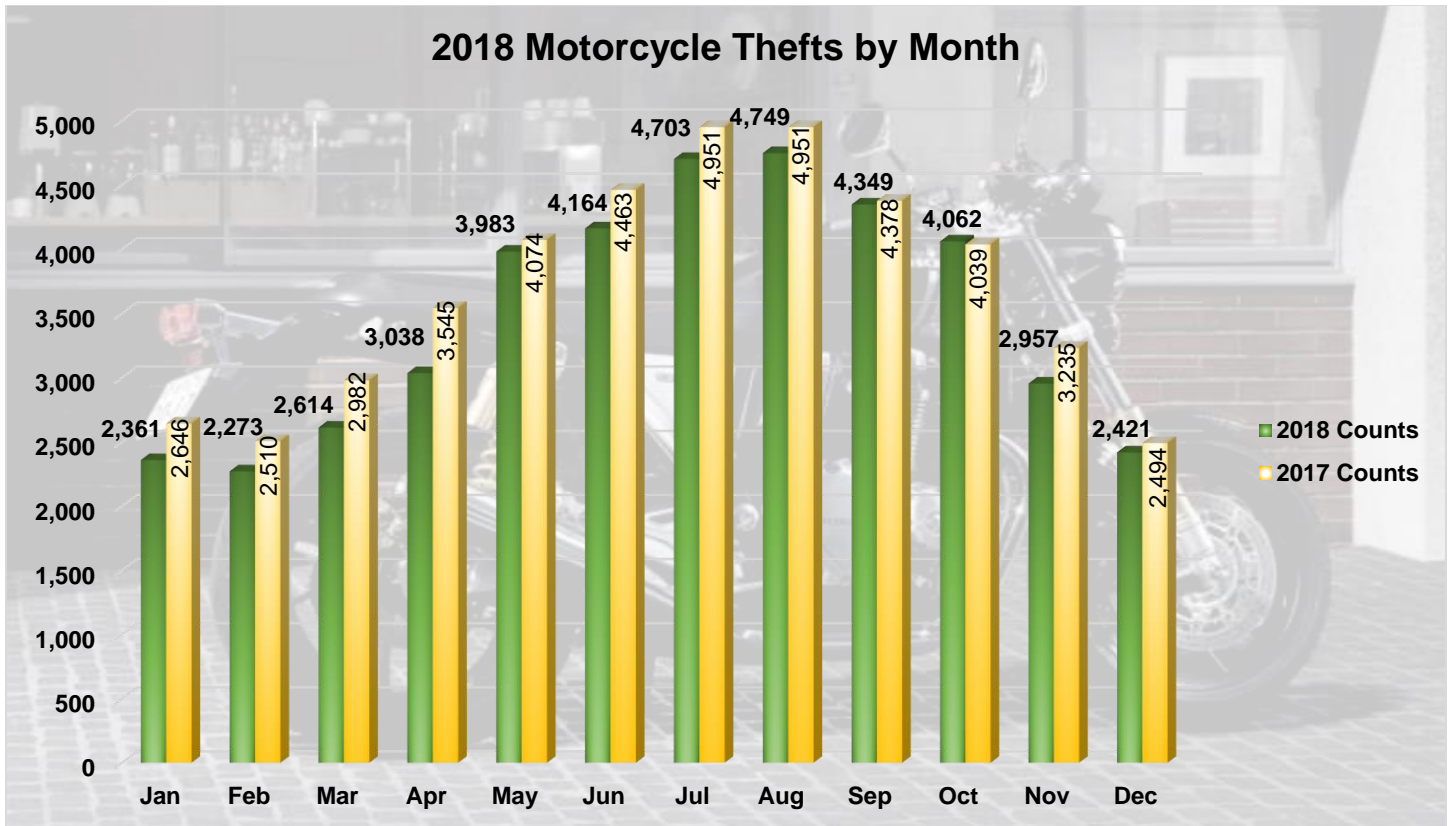


### Motorcycle Thefts: By Month

The following tables and bar graph illustrate motorcycle thefts in the U.S. by the month, percent, rank, and quarter. In general, motorcycle thefts are a seasonal crime related to warmer months, with 10% or more of thefts from the yearly total occurred in May, June, July, August, September, and October. Months with 6% or less of thefts from the yearly total occurred in cooler months of December, January, February, and March.

Month	2018 Thefts	Percent of Thefts (%)	Theft Rank
JANUARY	2,361	6%	11
FEBRUARY	2,273	5%	12
MARCH	2,614	6%	9
APRIL	3,038	7%	7
MAY	3,983	10%	6
JUNE	4,164	10%	4
JULY	4,703	11%	2
AUGUST	4,749	11%	1
SEPTEMBER	4,349	10%	3
OCTOBER	4,062	10%	5
NOVEMBER	2,957	7%	8
DECEMBER	2,421	6%	10
<b>TOTALS</b>	<b>41,674</b>	<b>100%</b>	

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Quarter	1			2			3			4		
2018 Totals	7,248			11,185			13,801			9,440		

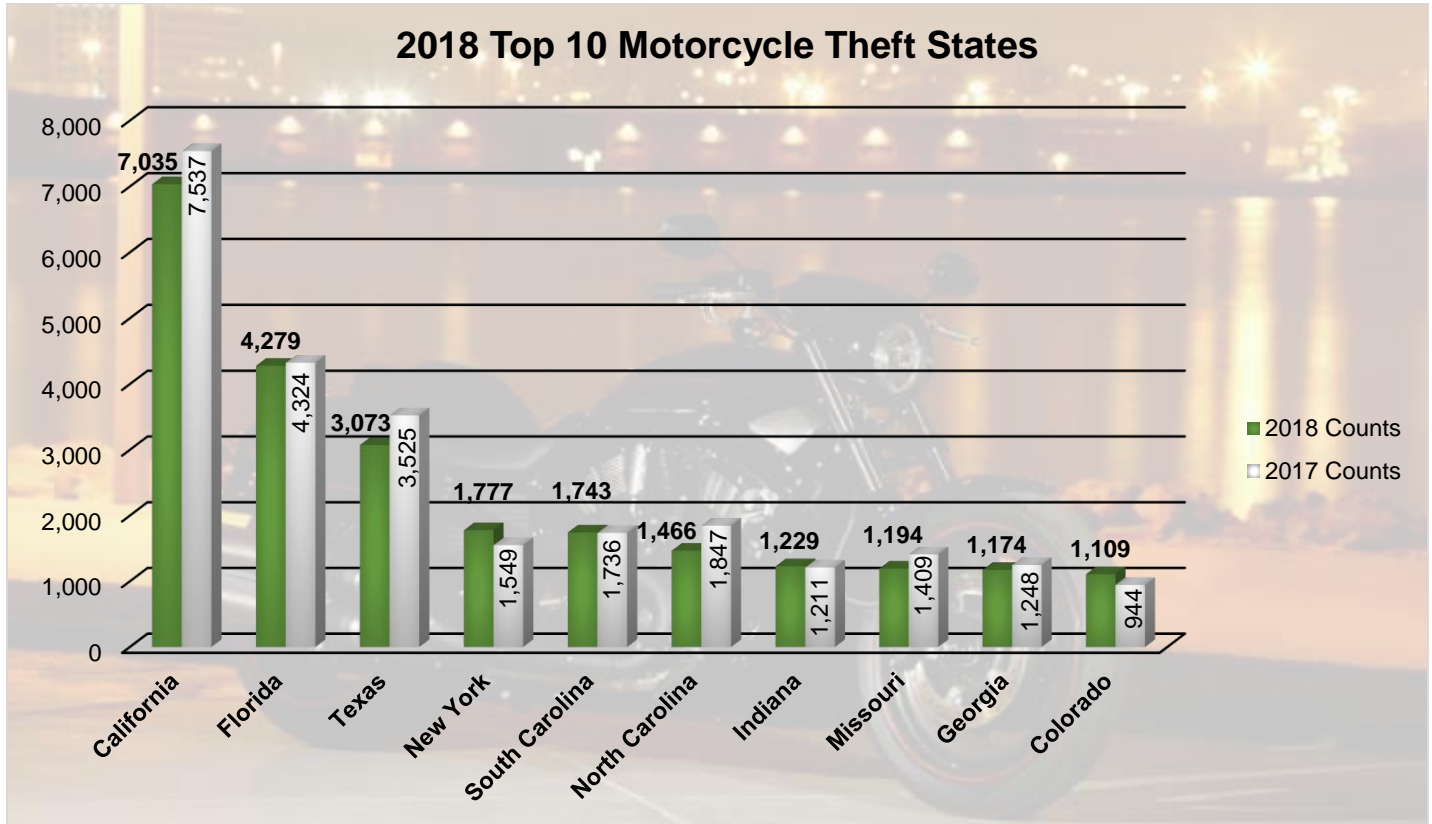


### Motorcycle Thefts: By State

The following table shows the number of 2018 motorcycle thefts in the U.S. by theft state. The table analyzes each state by quarters as well as ranks each state by total number of motorcycle thefts. The table further shows the percent of total U.S. thefts by state. There was a total of 41,674 thefts in the U.S. in 2018 with the top 10 states of California, Florida, Texas, New York, South Carolina, North Carolina, Indiana, Missouri, Georgia, and Colorado accounting for over 60% of the total U.S. thefts in 2018.

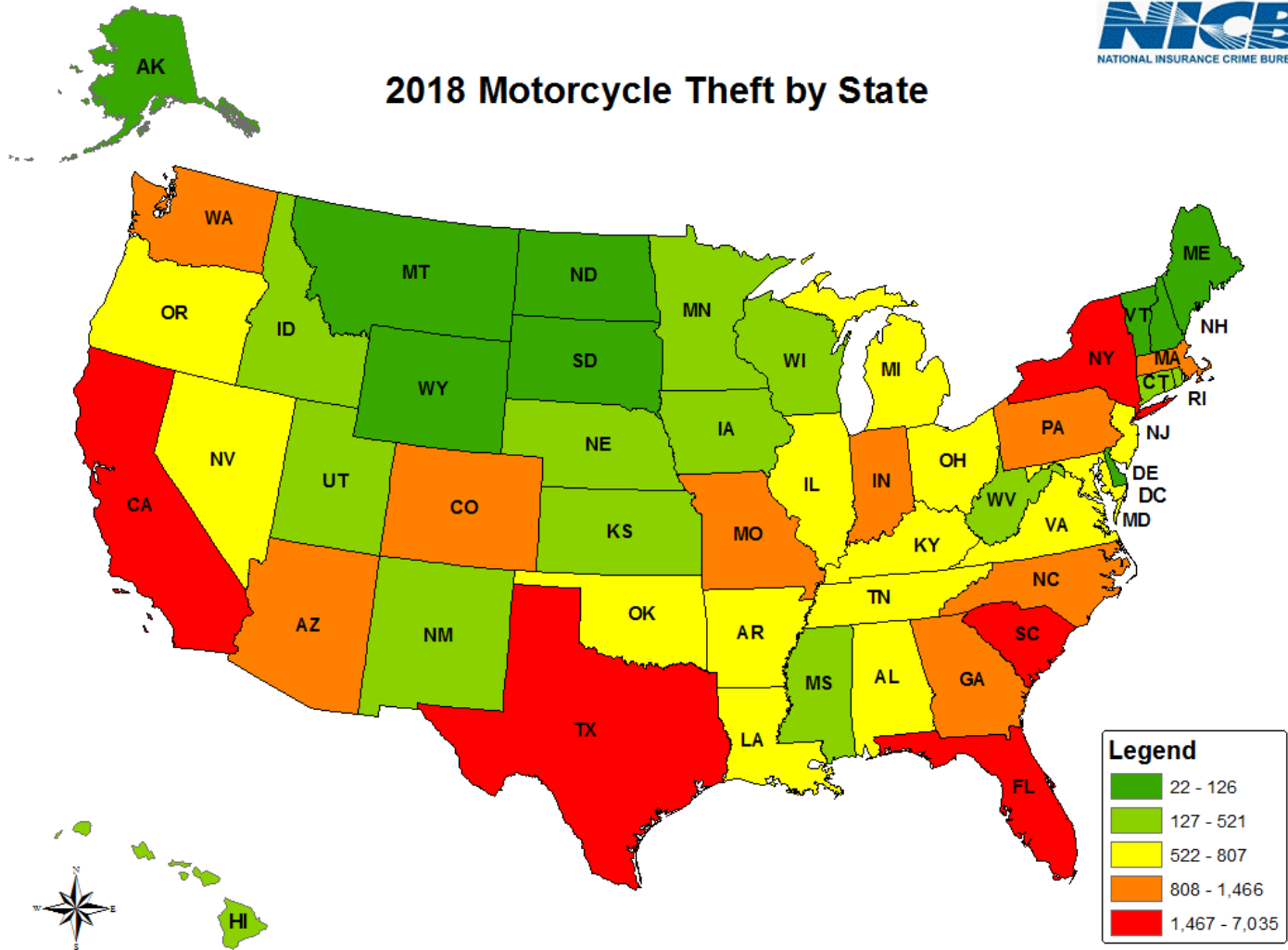
State	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2018 Totals	Percent of Total Thefts	2018 Theft Rank
California	1,577	1,661	1,927	1,870	7,035	17%	1
Florida	975	1,074	1,021	1,209	4,279	10%	2
Texas	631	858	865	719	3,073	7%	3
New York	176	480	755	366	1,777	4%	4
South Carolina	346	478	561	358	1,743	4%	5
North Carolina	268	420	484	294	1,466	4%	6
Indiana	136	357	494	242	1,229	3%	7
Missouri	144	357	450	243	1,194	3%	8
Georgia	264	332	316	262	1,174	3%	9
Colorado	152	302	398	257	1,109	3%	10
Washington	159	247	321	235	962	2%	11
Pennsylvania	99	297	357	207	960	2%	12
Arizona	220	245	227	215	907	2%	13
Massachusetts	83	192	402	185	862	2%	14
Tennessee	150	226	255	176	807	2%	15
Virginia	122	235	283	166	806	2%	16
Maryland	108	208	317	156	789	2%	17
Nevada	148	172	254	205	779	2%	18
Michigan	60	232	355	115	762	2%	19
Ohio	77	168	293	169	707	2%	20
Oregon	99	185	267	142	693	2%	21
Arkansas	107	210	231	144	692	2%	22
Kentucky	67	171	243	138	619	1%	23
New Jersey	57	194	217	101	569	1%	24
Oklahoma	135	131	198	98	562	1%	*25
Illinois	67	152	236	107	562	1%	*25
Louisiana	142	162	143	107	554	1%	27
Alabama	107	125	161	133	526	1%	28
Kansas	86	137	191	107	521	1%	29
Connecticut	30	140	192	60	422	1%	30
New Mexico	73	113	116	93	395	1%	31
Iowa	30	85	167	69	351	1%	32
Utah	43	106	126	58	333	1%	33
Minnesota	15	74	160	52	301	1%	34
Wisconsin	12	69	109	40	230	1%	35
District Of Columbia	29	72	101	27	229	1%	36
Hawaii	87	65	40	32	224	1%	37
Mississippi	36	55	65	44	200	<1%	38
West Virginia	27	57	73	37	194	<1%	39
Rhode Island	15	46	60	28	149	<1%	40
Idaho	16	41	51	34	142	<1%	41
Nebraska	10	38	70	23	141	<1%	42
Montana	11	41	51	23	126	<1%	43
Delaware	14	44	34	26	118	<1%	44
North Dakota	10	19	48	9	86	<1%	45
Alaska	3	33	30	12	78	<1%	46
New Hampshire	2	11	30	23	66	<1%	47
South Dakota	12	25	15	6	58	<1%	48
Wyoming	5	19	15	14	53	<1%	49
Maine	2	12	20	4	38	<1%	50
Vermont	4	12	6	0	22	<1%	51
<b>2018 Totals</b>	<b>7,248</b>	<b>11,185</b>	<b>13,801</b>	<b>9,440</b>	<b>41,674</b>	<b>100%</b>	

The following graph shows the top 10 states with the largest number of motorcycle thefts in the U.S. for 2018 compared to theft counts for 2017. Four (4) of the top 10 states saw an increase in motorcycle thefts in 2018 and 6 of the top 10 states saw a decrease in motorcycle thefts. Of the top 10 states, New York had the largest increase (228) in motorcycle thefts and California had the largest decrease (502) in motorcycle thefts from 2017 to 2018.



The following map shows the distribution of motorcycle theft across the U.S. by state.

## 2018 Motorcycle Theft by State



### Motorcycle Thefts: By City

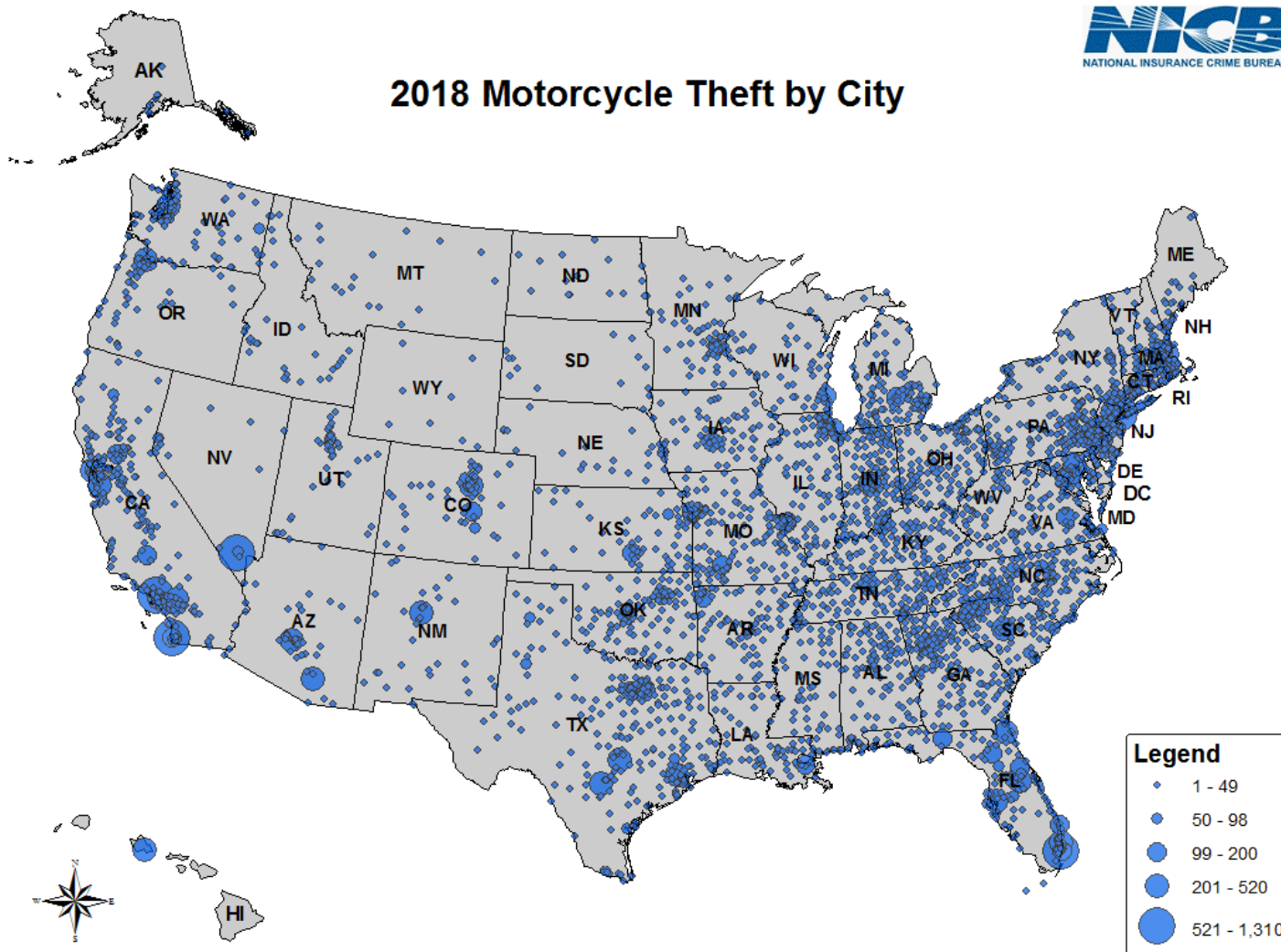
The following tables show the top 15 cities in the U.S., listed by 2018 theft count. The top 15 cities accounted for 7,050 motorcycle thefts in 2018, an increase of 209 motorcycle thefts from 6,841 top 15 city motorcycle thefts in 2017. Of the top 15 cities, 9 had an increase in motorcycle thefts in 2018 with the largest increase (250%) for San Jose, CA followed by Jacksonville, FL in 2<sup>nd</sup> (136%), and New York, NY in 3<sup>rd</sup> (34%). Six (6) cities listed a decrease in motorcycle thefts in 2018 with San Diego, CA listed as the largest decrease (38%).

2018 Theft Rank	City	2017 Thefts	2018 Thefts	Percent Change 2017-2018
1	New York, NY	980	1,310	34%
2	Los Angeles, CA	833	628	-25%
3	Miami, FL	575	595	3%
4	Las Vegas, NV	583	540	-7%
5	San Diego, CA	846	527	-38%
6	San Francisco, CA	568	520	-8%
7	Houston, TX	424	460	8%
8	Philadelphia, PA	342	404	18%
9	Austin, TX	304	329	8%
10	San Jose, CA	92	322	250%
11	Portland, OR	256	303	18%
12	Denver, CO	233	286	23%
13	Jacksonville, FL	118	279	136%
14	Fort Lauderdale, FL	350	276	-21%
15	Phoenix, AZ	337	271	-20%
Totals:		6,841	7,050	

The following map shows the distribution of motorcycle theft across the U.S. by theft city.



## 2018 Motorcycle Theft by City



\*Not all NCIC Theft Records contain sufficient information to be mapped

### Motorcycle Thefts: By County

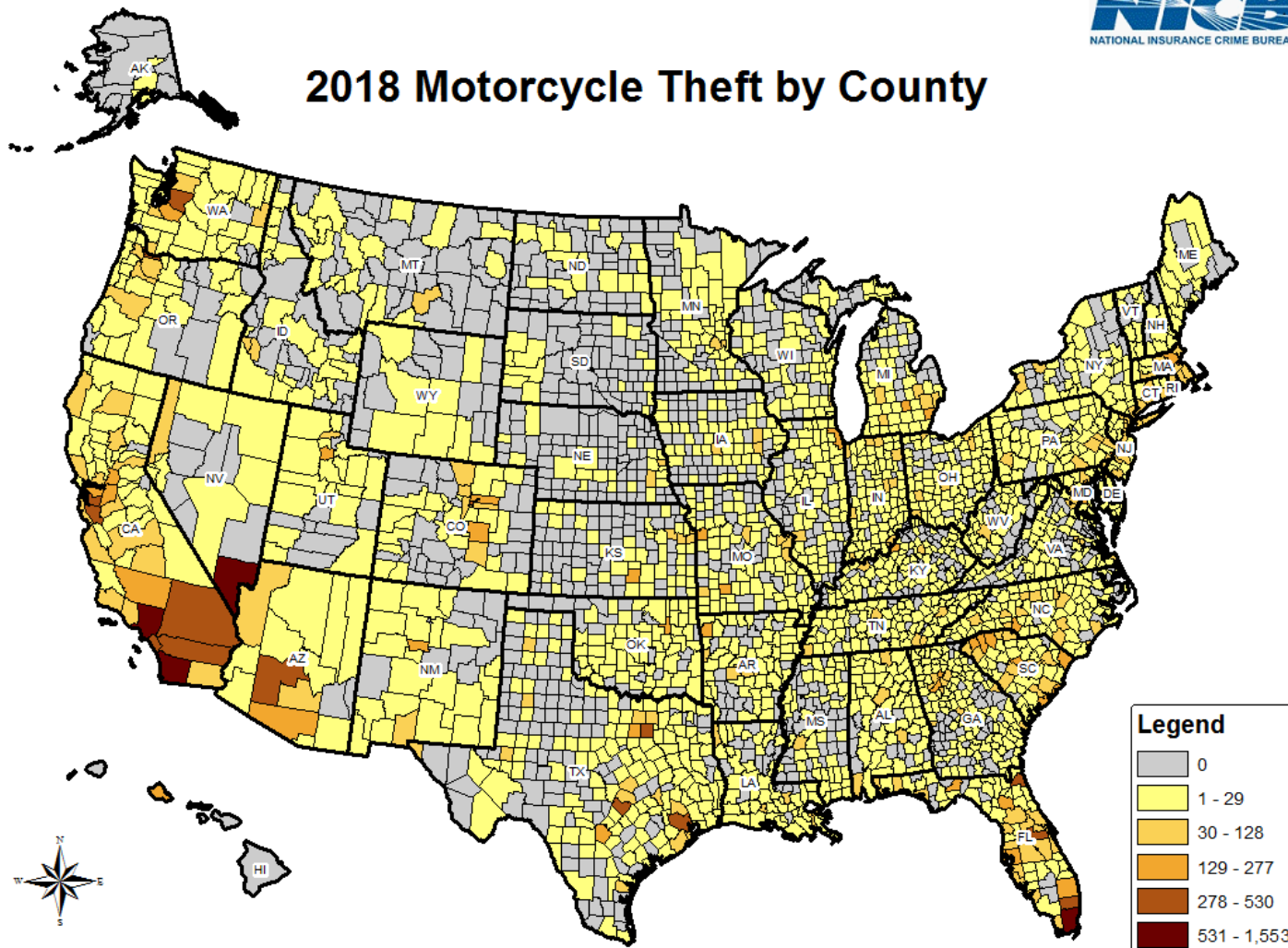
The following table displays the top 25 counties in 2018 with motorcycle thefts. The top 25 counties accounted for 13,141 thefts or 32% of the 41,674 motorcycle thefts in 2018. Los Angeles County was determined to have the highest count of thefts; 1,553 in 2018. The table lists the top 25 counties, theft counts for 2018, theft counts for 2017, and a percent change between 2017 and 2018. Of the top 25 counties, 12 saw an increase in motorcycle thefts between 2017 and 2018 while 13 saw a decrease. The table also lists each county's rate of motorcycle theft per 10,000 people, based on the estimated 2018 U.S. Census population. Each county in the table divides the 2018 motorcycle theft county count by the U.S. Census population estimate for the county, with a set population parameter at 10,000. The rate is rounded to a whole number value with a higher rate indicating higher prevalence of theft when using the county population to show county rate



2018 Theft Rank	U.S. County	2017 Thefts	2018 Thefts	2017-2018 Theft Percent Change	2018 Theft Rate Per 10k
1	Los Angeles, CA	1,613	1,553	-4%	2
2	New York, NY	976	1,311	34%	8
3	Miami-Dade, FL	1,002	986	-2%	4
4	San Diego, CA	1,217	956	-21%	3
5	Clark, NV	719	640	-11%	3
6	Harris, TX	517	530	3%	1
7	San Francisco, CA	568	520	-8%	6
8	Broward, FL	538	500	-7%	3
9	Maricopa, AZ	568	479	-16%	1
10	Alameda, CA	406	456	12%	3
11	Santa Clara, CA	380	446	17%	2
12	Riverside, CA	427	444	4%	2
13	San Bernardino, CA	458	438	-4%	2
14	Dallas, TX	417	404	-3%	2
15	Philadelphia, PA	342	404	18%	3
16	King, WA	422	360	-15%	2
17	Multnomah, OR	284	345	21%	4
18	Orange, CA	378	332	-12%	1
19	Travis, TX	306	332	8%	3
20	Duval, FL	120	294	145%	3
21	Suffolk, MA	272	290	7%	4
22	Denver, CO	238	286	20%	4
23	Orange, FL	336	282	-16%	2
24	Jackson, MO	308	277	-10%	4
25	Pima, AZ	275	276	<1%	3

The following map illustrates a total list of counties and their theft count for 2018. The U.S. Census Bureau identified 3,142 counties in the U.S. In 2018, motorcycle thefts were identified in 2,032 U.S. counties.

## 2018 Motorcycle Theft by County



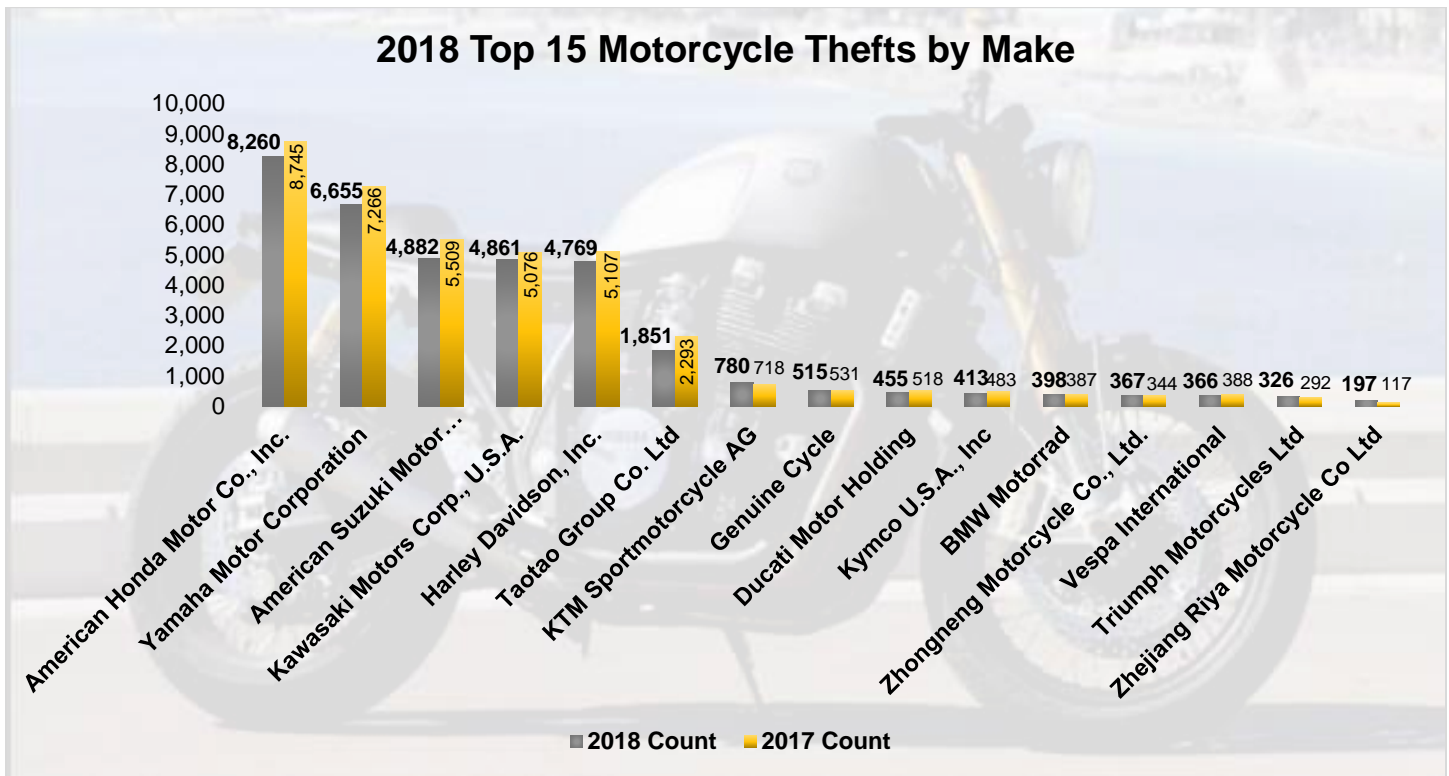
\*Not all NCIC Theft Records contain sufficient information to be mapped

### Motorcycle Thefts: By Make

There were a total of 521 motorcycle makes identified within the 41,674 motorcycle thefts in the U.S. in 2018. The following table displays the top 15 makes<sup>1</sup> with motorcycle thefts in 2018. The top 15 makes accounted for 35,095 of the total 41,674 thefts in 2018 or 84%. Honda accounted for the most thefts in 2018 with 8,260, with Yamaha 2<sup>nd</sup> (6,655), and Kawasaki 3<sup>rd</sup> (4,882). Five (5) of the top 15 makes had an increase in the reported number of thefts in 2018 compared to 2017. Motorcycle manufacturer Zhejiang Riya had the highest percent increase (41%) in motorcycle thefts of the top 15 manufacturers from 2017 – 2018.

<sup>1</sup> 1,677 (CYCL) motorcycle records were not included in the top 15 motorcycle theft makes as the manufacturer was not specifically identified.

2018 Theft Rank	Make	2017 Thefts	2018 Thefts	Percent Change 2017-2018
1	American Honda Motor Co., Inc.	8,745	8,260	-6%
2	Yamaha Motor Corporation	7,266	6,655	-9%
3	American Suzuki Motor Corporation	5,509	4,882	-13%
4	Kawasaki Motors Corp., U.S.A.	5,076	4,861	-4%
5	Harley Davidson, Inc.	5,107	4,769	-7%
6	Taotao Group Co. Ltd	2,293	1,851	-24%
7	KTM Sportmotorcycle AG	718	780	8%
8	Genuine Cycle	531	515	-3%
9	Ducati Motor Holding	518	455	-14%
10	Kymco U.S.A., Inc	483	413	-17%
11	BMW Motorrad	387	398	3%
12	Zhongneng Motorcycle Co., Ltd.	344	367	6%
13	Vespa International	388	366	-6%
14	Triumph Motorcycles Ltd	292	326	10%
15	Zhejiang Riya Motorcycle Co Ltd	117	197	41%

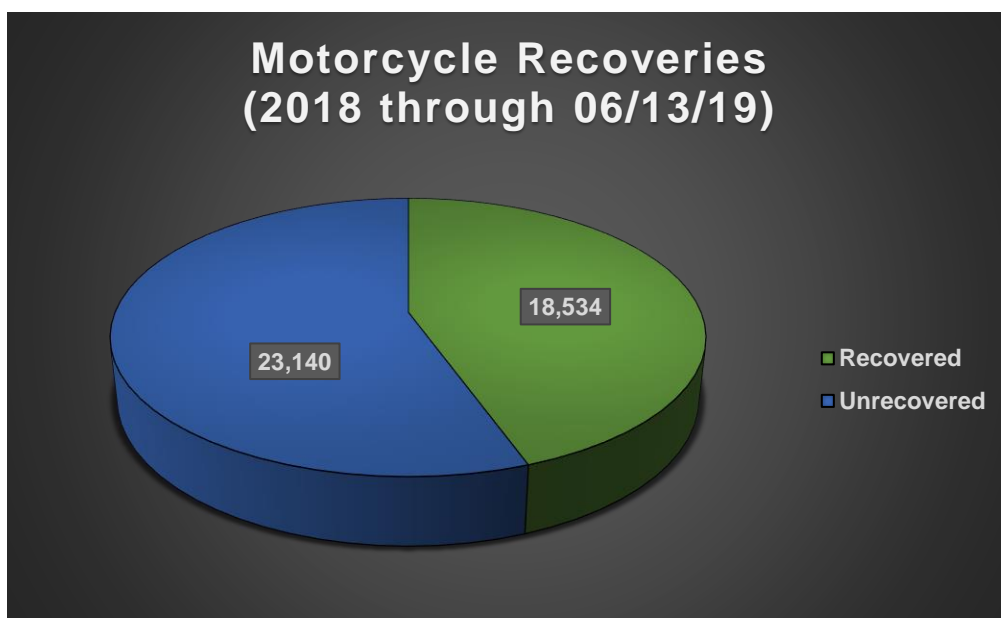


**SECTION 2: Motorcycle Recoveries in the U.S. (2018 through 06/13/19)**

This section analyzed the 2018 U.S. motorcycle thefts recovered between 01/01/2018 through 06/13/2019. There were 18,534 motorcycle recoveries for 01/01/2018 through 06/13/2019 associated with the 41,674 motorcycle thefts in the U.S. Of the 18,534 motorcycle recoveries, 16,261 recoveries occurred between 01/01/2018 through 12/31/2018 and 2,273 were between 01/01/2019 through 06/13/2019. The following subsections further analyze these 18,534 recoveries by: year, month, state, and motorcycle make.

**Motorcycle Recoveries: By Year**

The pie chart shows the recoveries, which was 44% for the 2018 motorcycle thefts recovered in 2018 through 06/13/2019. Analyzing the recoveries by year for 2017 and 2018, the table shows there was a decrease in recoveries from a total of 17,366 motorcycles recovered in the year 2017 compared to 16,261 in 2018.



Year	Recovered Thefts
2018	16,261
2017	17,366

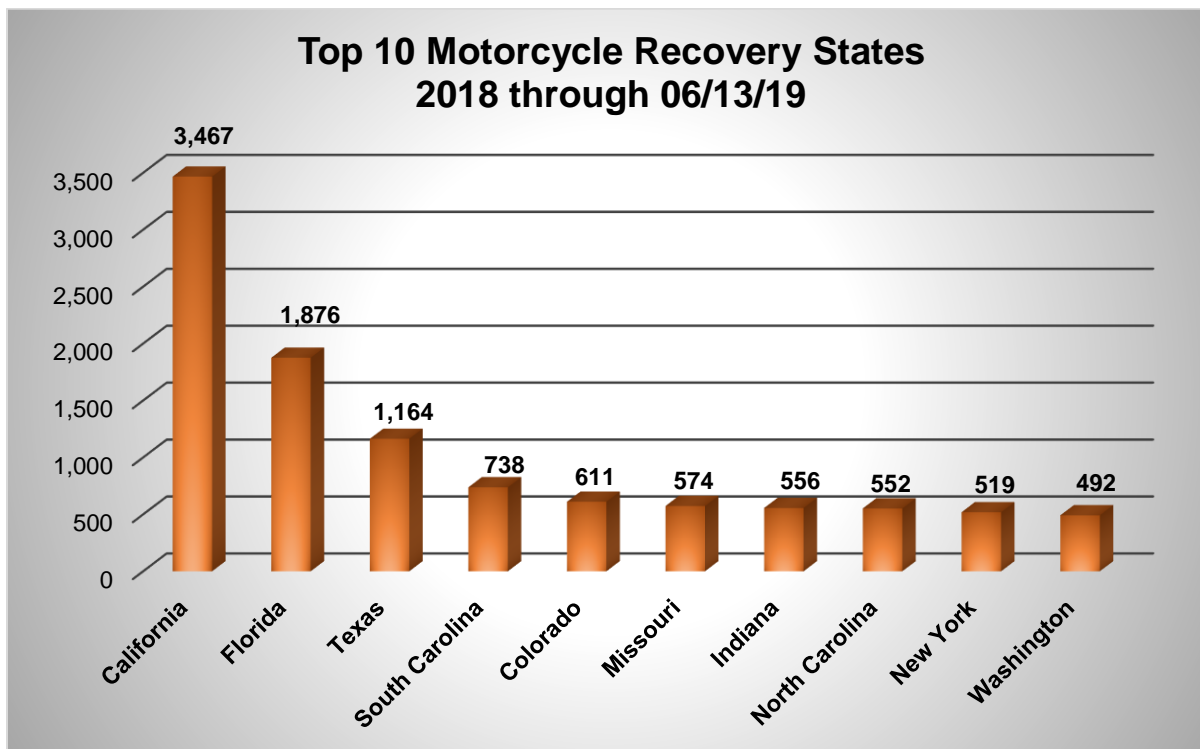
**Motorcycle Recoveries: By Month**

The following chart shows the number of motorcycle recoveries by month from 2018 through 06/13/19 for 2018 motorcycle thefts. The chart is analyzed by months and years. The highest recovery occurred in August with 2,052 recoveries followed by September with 1,928 recoveries. The months with the fewest number of motorcycle recoveries in 2018 were January (450) and February (667).

Month	2018 Recoveries	2019 Recoveries
JANUARY	450	674
FEBRUARY	667	402
MARCH	792	399
APRIL	1,042	346
MAY	1,418	332
JUNE	1,690	120
JULY	1,915	TBD
AUGUST	2,052	TBD
SEPTEMBER	1,928	TBD
OCTOBER	1,835	TBD
NOVEMBER	1,359	TBD
DECEMBER	1,113	TBD
<b>TOTALS</b>	<b>16,261</b>	<b>2,273</b>

### Motorcycle Recoveries: By State

The graph below shows the top 10 states for motorcycles stolen in 2018 and recovered between 2018 through 06/13/2019. The top 10 states accounted for 10,549 motorcycle recoveries, or 57% between 2018 through 06/13/2019. The state with the most motorcycle recoveries was California with 3,467 or 19% of the 18,534 motorcycle recoveries between 01/01/2018 and 06/13/2019.

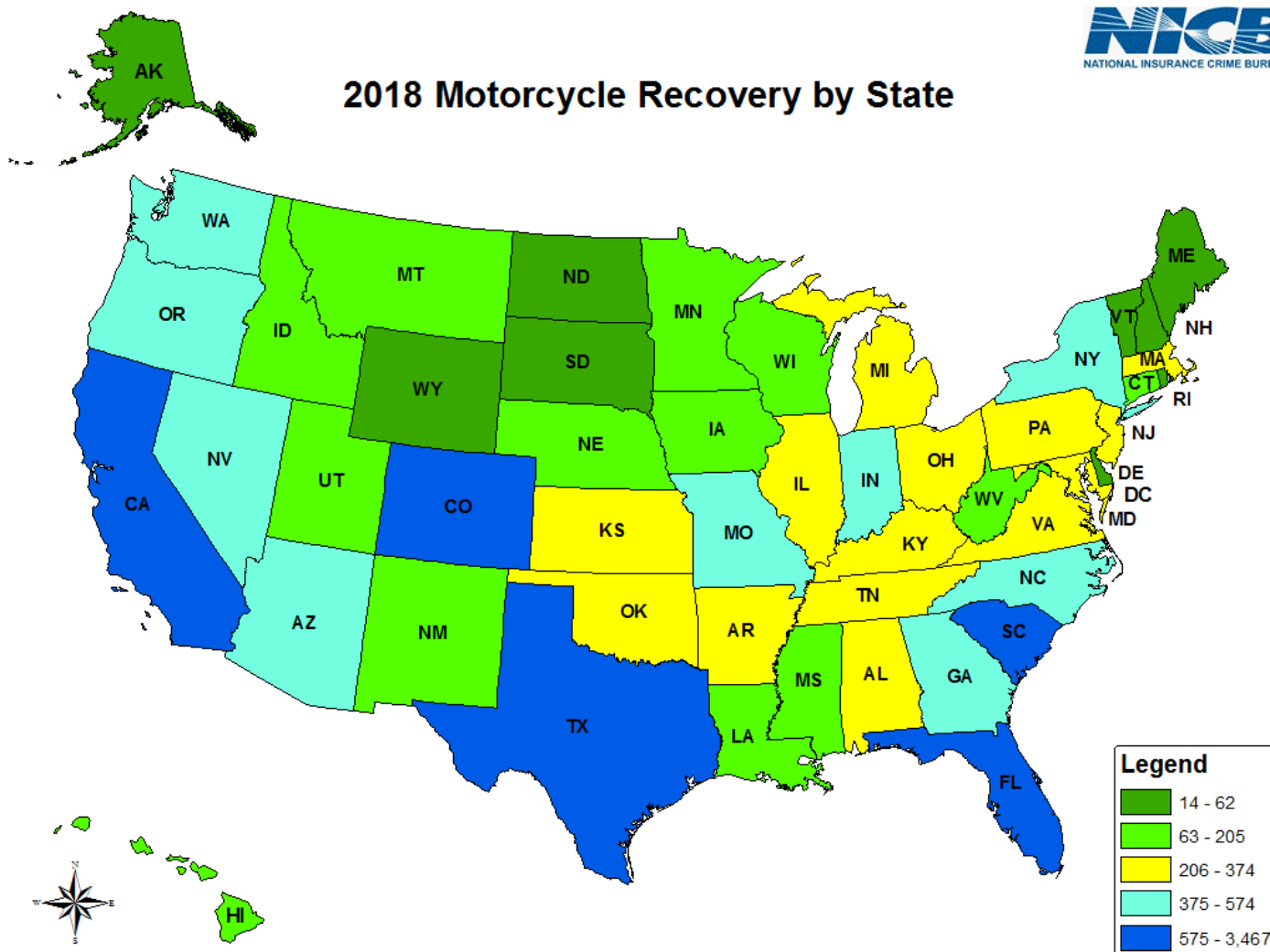


Recovery Rank	State	2018 Recovery	2019 Recoveries through 06/13/19	<sup>2</sup> Total Recoveries from 01/01/18 – 06/13/19	2018 Recovery of State Stolen Motorcycles
1	California	3,142	325	3,467	45%
2	Florida	1,618	258	1,876	38%
3	Texas	1,006	158	1,164	33%
4	South Carolina	629	109	738	36%
5	Colorado	549	62	611	50%
6	Missouri	494	80	574	41%
7	North Carolina	479	77	556	33%
8	Indiana	489	63	552	40%
9	New York	446	73	519	25%
10	Washington	436	56	492	45%
11	Arizona	392	65	457	43%
12	Georgia	383	61	444	33%
13	Nevada	360	53	413	46%
14	Oregon	328	56	384	47%
15	Tennessee	322	52	374	40%
16	Pennsylvania	313	54	367	33%
17	Arkansas	323	42	365	47%
18	Kentucky	289	54	343	47%
19	Ohio	256	49	305	36%
20	Michigan	277	19	296	36%
20	Virginia	265	29	294	33%
22	Oklahoma	252	39	291	45%
23	Maryland	213	37	250	27%
24	Kansas	216	32	248	41%
25	New Jersey	182	39	221	32%
25	Massachusetts	189	26	215	22%
27	Illinois	191	23	214	34%
28	Alabama	173	38	211	33%
29	Louisiana	176	29	205	32%
30	Utah	174	24	198	52%
31	Iowa	157	15	172	45%
32	New Mexico	144	18	162	36%
33	Minnesota	134	13	147	45%
34	Connecticut	126	13	139	30%
35	Hawaii	119	11	130	53%
36	District Of Columbia	97	11	108	42%
36	West Virginia	85	10	95	44%
38	Wisconsin	71	9	80	31%
39	Mississippi	58	10	68	29%
39	Montana	57	8	65	45%
41	Nebraska	61	4	65	43%
42	Idaho	57	6	63	40%
43	Rhode Island	58	4	62	39%
44	North Dakota	50	2	52	58%
45	Delaware	29	7	36	25%
45	Alaska	31	2	33	40%
47	Wyoming	26	3	29	49%
48	New Hampshire	23	3	26	35%
49	Maine	14	5	19	37%
50	South Dakota	13	2	15	22%
51	Vermont	14	0	14	64%

<sup>2</sup> Note: 310 of the 18,534 motorcycles recovered from 2018 through 06/13/19 did not contain state information and were not included in the counts.



The following map shows the distribution of motorcycle recoveries across the U.S. by state



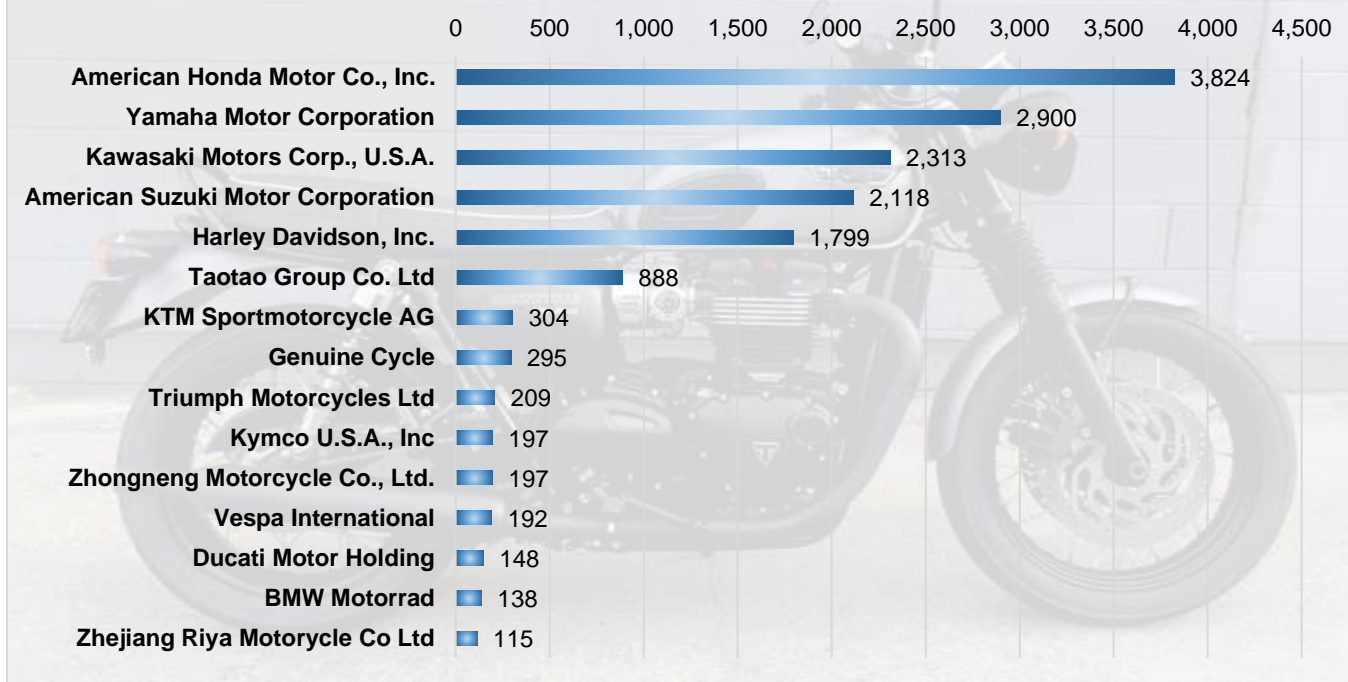
**Motorcycle Recoveries: By Make**

A total of 338 motorcycle makes were identified from the 18,534 motorcycle recoveries in the U.S. from 2018 through 06/13/2019. The following table and graph display the top 15 makes<sup>3</sup> of motorcycle recoveries. The top 15 makes accounted for 15,637 or 84% of the 18,534 motorcycle recoveries. The make with the most recoveries was Honda which accounted for 21% of the total motorcycle recoveries. Of the top 15 makes, Triumph had the highest rate of recovery at 64%.

<sup>3</sup> 723 (CYCL) motorcycle records were not included in the top 15 motorcycle recovery makes as the manufacturer was not specifically identified.

Recovery Rank	Make	2018 Recoveries through 06/13/19	2018 Thefts	Rate of Recovery
1	American Honda Motor Co., Inc.	3,824	8,260	46%
2	Yamaha Motor Corporation	2,900	6,655	44%
3	Kawasaki Motors Corp., U.S.A.	2,313	4,861	48%
4	American Suzuki Motor Corporation	2,118	4,882	43%
5	Harley Davidson, Inc.	1,799	4,769	38%
6	Taotao Group Co. Ltd	888	1,851	48%
7	KTM Sportmotorcycle AG	304	780	39%
8	Genuine Cycle	295	515	57%
9	Triumph Motorcycles Ltd	209	326	64%
10	Kymco U.S.A., Inc	197	413	48%
11	Zhongneng Motorcycle Co., Ltd.	197	367	54%
12	Vespa International	192	366	52%
13	Ducati Motor Holding	148	455	33%
14	BMW Motorrad	138	398	35%
15	Zhejiang Riya Motorycle Co Ltd	115	197	58%
<b>Totals</b>		<b>15,637</b>	<b>35,095</b>	<b>Average: 47%</b>

### Top 15 Motorcycle Recoveries: By Make 2018 through 06/13/19



## Appendix A: Motorcycle Theft

The NCIC theft data from 2018 was edited in the following manner:

- Records with thefts of anything other than motorcycle models were removed.
- Records with blank or incomplete VIN fields were removed.
- Records with motorcycle parts (wheels, tracks, etc.) were removed.
- ATVs, UTV, watercraft, golf carts, motorized wheelchairs, snowmobiles, toys, go-carts, farm equipment, etc. that were mislabeled as a motorcycle style were removed.
- VIN structures that began with "ATV" were removed.
- VMA was used to identify Manufacturers.
- VMO was used to identify Cycles.
- Records determined to be purged were removed.