



**COLORADO**  
Department of Revenue  
Enforcement Division - Marijuana

# MED 2016 Mid-Year Update

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January 5, 2017

## Licensing Data

### Medical Infused Product Manufacturer

- The largest increase in the number of active licenses for a single license type was a 16% increase in Medical Infused Product Manufacturers.

### Retail Product Manufacturing Facilities

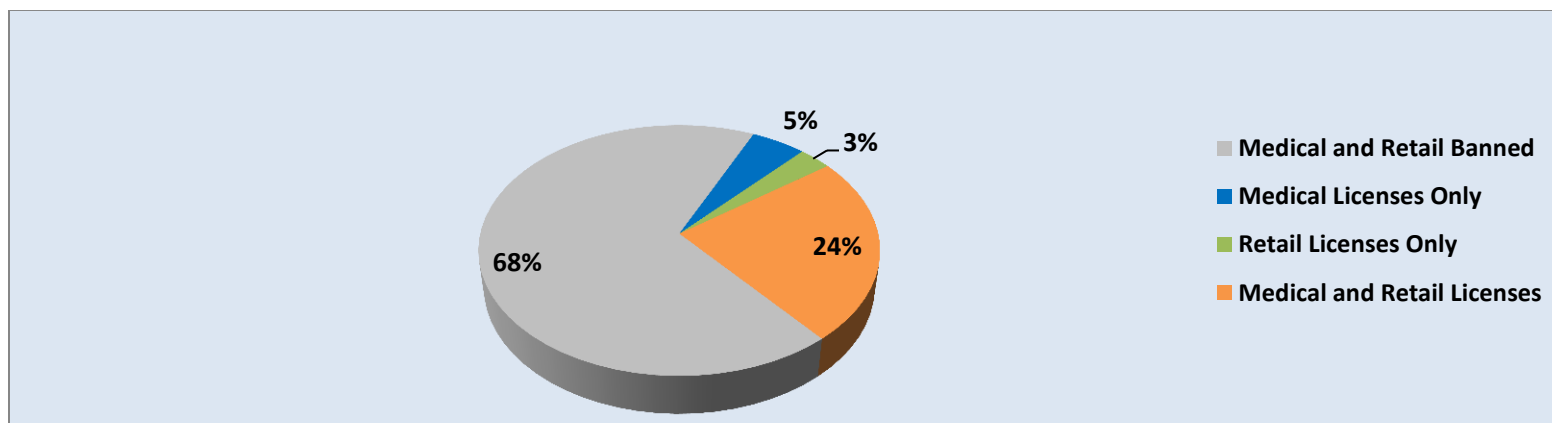
- Retail Product Manufacturing Facilities was the second highest increase for a single license type at 15%.

**Table 1: Local Jurisdictions Reporting Marijuana Licensing Status as of June 30, 2016**

(Similar data was contained in Table 1A of the 2015 Annual Update)

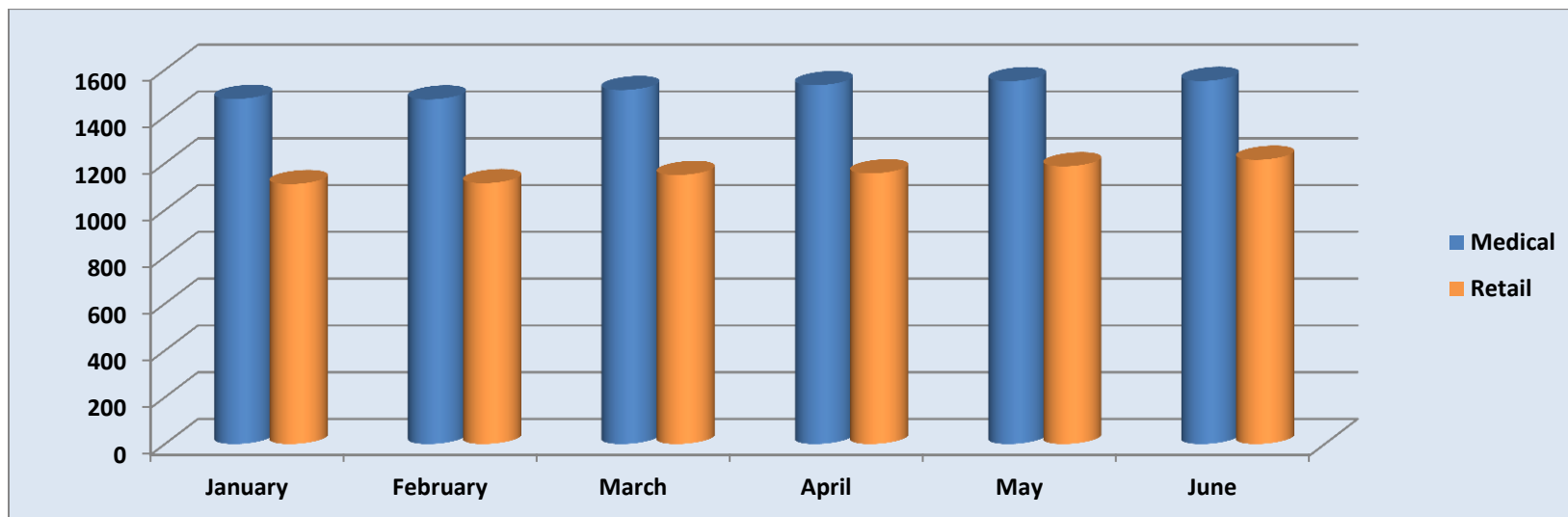
Medical and Retail Marijuana Banned	219
Medical Marijuana Licenses Only	17
Retail Marijuana Licenses Only	9
Medical and Retail Marijuana Licenses	76
<b>Total</b>	<b>321</b>

**2016 Local Jurisdiction Licensing Status (Table 1)**



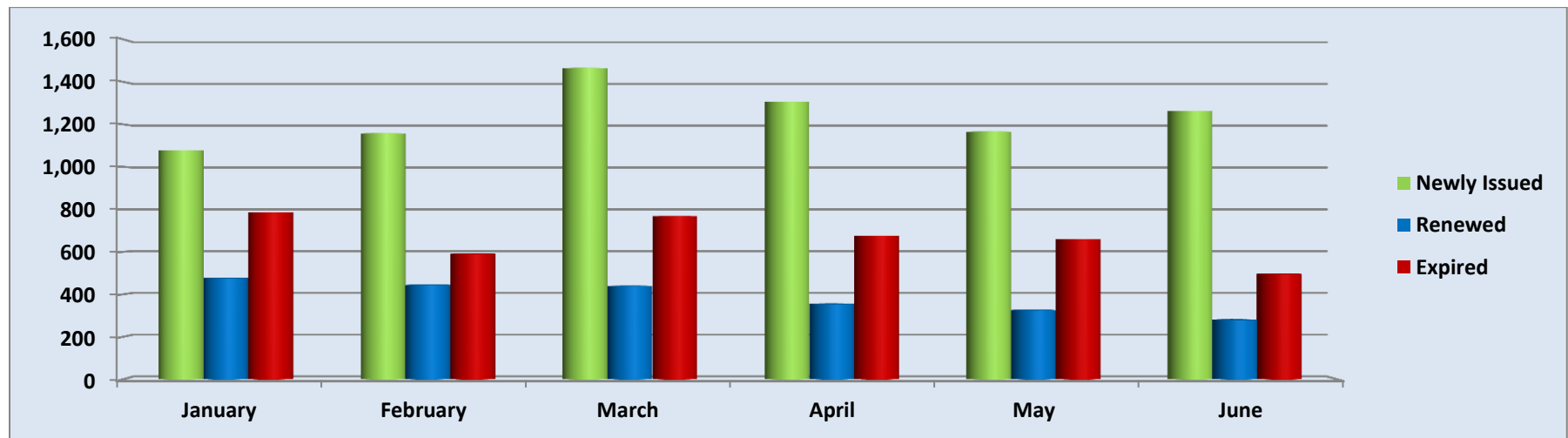
<b>Table 2: Month-End Business and Establishment License Totals by Type</b>						
<small>(Similar data was contained in Table 2A of the 2015 Annual Update)</small>						
	January	February	March	April	May	June
<b>Medical Marijuana Businesses</b>						
Centers	517	514	523	528	530	529
Cultivation Operations	754	753	774	781	788	786
Infused Product Manufacturers	204	206	216	225	233	237
<b>Total Medical Licenses</b>	<b>1,475</b>	<b>1,473</b>	<b>1,513</b>	<b>1,534</b>	<b>1,551</b>	<b>1,552</b>
<b>Retail Marijuana Establishments</b>						
Stores	426	424	426	421	432	435
Cultivation Facilities	501	503	530	538	554	572
Product Manufacturing Facilities	168	173	180	184	187	193
Testing Facilities	16	15	14	14	14	15
<b>Total Retail Licenses</b>	<b>1,111</b>	<b>1,115</b>	<b>1,150</b>	<b>1,157</b>	<b>1,187</b>	<b>1,215</b>
<b>Total Medical and Retail Licenses</b>	<b>2,586</b>	<b>2,588</b>	<b>2,663</b>	<b>2,691</b>	<b>2,738</b>	<b>2,767</b>

**2016 Monthly Medical Business & Retail Establishment License Totals (Table 2)**



<b>Table 3: Month-End Occupational License Totals</b> (Similar data was contained in Table 3A of the 2015 Annual Update)							
<b>*All Occupational Licenses are issued and renewed for a two year period.</b>							
	January	February	March	April	May	June	Total
Key Licenses Issued	293	318	442	362	362	393	<b>2,170</b>
Support Licenses Issued	784	840	1,023	944	804	870	<b>5,265</b>
<b>Total New Occupational Licenses Issued</b>	<b>1,077</b>	<b>1,158</b>	<b>1,465</b>	<b>1,306</b>	<b>1,166</b>	<b>1,263</b>	<b>7,435</b>
Key Licenses Renewed	216	190	187	142	143	125	<b>1,003</b>
Support Licenses Renewed	260	253	251	212	181	154	<b>1,311</b>
<b>Total Occupational Licenses Renewed</b>	<b>476</b>	<b>443</b>	<b>438</b>	<b>354</b>	<b>324</b>	<b>279</b>	<b>2,314</b>
Key Licenses Expired	177	102	111	87	96	82	<b>655</b>
Support Licenses Expired	609	488	657	588	563	413	<b>3,318</b>
<b>Total Occupational Licenses Expired</b>	<b>786</b>	<b>590</b>	<b>768</b>	<b>675</b>	<b>659</b>	<b>495</b>	<b>3,973</b>
Percentage of Occupational Licenses Renewed	38%	43%	36%	34%	33%	36%	37%
<b>Total Active Occupational Licenses</b> (On the last day of each month listed)	<b>27,220</b>	<b>27,788</b>	<b>28,485</b>	<b>29,116</b>	<b>29,623</b>	<b>30,391</b>	

**2016 Monthly Totals For Occupational Licenses Issued, Renewed, and Expired (Table 3)**



# Cultivated Plants

## 2015 vs 2016 Monthly Average

- On average, there were an additional 225,917 plants cultivated per month in 2016 compared to the first six months of 2015.

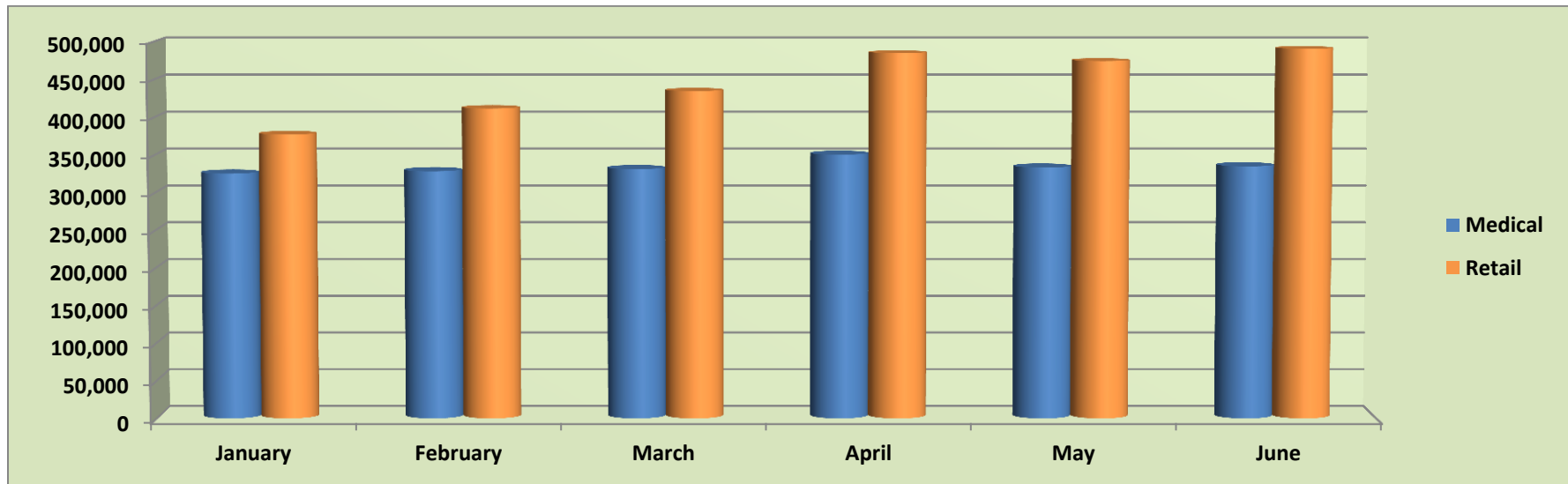
## Plants by County

- Denver County accounted for at least 60% of the total plant count in the state on the last day of each month except June when they accounted for 59% of the total plant count.
- During the first six months of 2015, Denver accounted for 61-63% of the total plant count in the state.

**Table 4: Monthly Average of Marijuana Plants Cultivated** (Similar data was contained in Table 4A, 5A, & 6A of the 2015 Annual Update)

	January	February	March	April	May	June
Average Medical Cultivated Plants	326,017	329,192	332,047	351,300	334,118	335,735
Average Retail Cultivated Plants	377,778	412,302	435,406	485,456	475,032	491,228
<b>Combined Average Cultivated Plants</b>	<b>703,795</b>	<b>741,494</b>	<b>767,453</b>	<b>836,756</b>	<b>809,150</b>	<b>826,963</b>

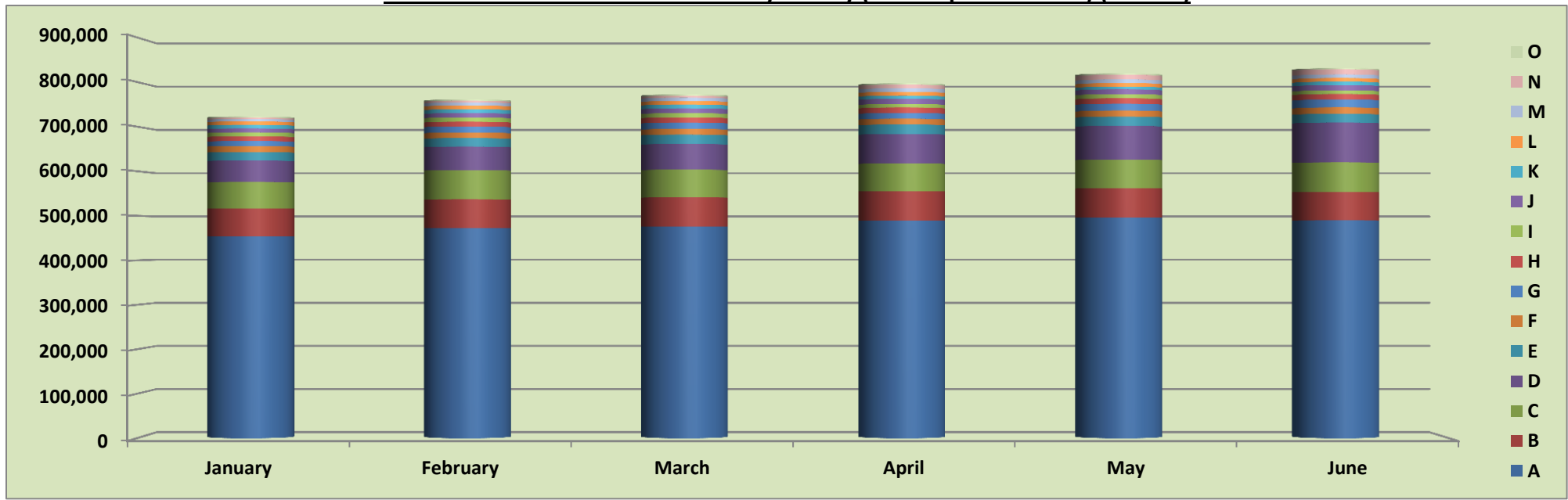
**2016 Monthly Totals for Medical & Retail Average Cultivated Plants (Table 4)**



**Table 5: Month-End Total Plant Count by County (or Group of Counties)**

		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
<u>A</u>	Denver	454,095	472,631	475,548	489,681	496,254	490,182
<u>B</u>	Boulder	62,310	64,644	65,692	65,694	65,613	63,357
<u>C</u>	El Paso	59,663	65,117	62,257	62,100	64,231	66,353
<u>D</u>	Pueblo	47,745	52,702	57,451	65,847	75,483	89,135
<u>E</u>	Garfield, Mesa, Routt	19,142	19,047	21,084	21,287	20,787	19,463
<u>F</u>	Eagle, Grand, Pitkin, Summit	13,498	12,555	12,705	12,957	13,541	14,416
<u>G</u>	Chaffee, Fremont, Lake	11,051	13,646	14,173	12,938	15,155	17,732
<u>H</u>	Larimer	10,614	10,455	11,582	12,256	12,163	12,334
<u>I</u>	Archuleta, La Plata, Montezuma, San Juan	8,892	9,642	9,562	7,933	9,400	8,147
<u>J</u>	Adams, Arapahoe	8,667	9,623	10,733	11,314	10,656	11,642
<u>K</u>	Morgan, Sedgwick, Weld	8,165	8,700	8,495	7,356	6,190	7,748
<u>L</u>	Clear Creek, Gilpin, Jefferson	7,575	8,361	7,957	8,312	7,826	8,044
<u>M</u>	Gunnison, Montrose, Ouray, San Miguel	5,287	6,703	7,358	7,926	8,097	8,110
<u>N</u>	Conejos, Costilla, Huerfano, Las Animas, Saguache	3,179	4,031	4,289	8,071	10,479	11,838
<u>O</u>	Park, Teller	2,577	2,630	2,993	3,216	2,886	2,320
	<b>TOTAL</b>	<b>722,460</b>	<b>760,487</b>	<b>771,879</b>	<b>796,888</b>	<b>818,761</b>	<b>830,821</b>

**2016 Month-End Total Plant Count by County (or Group of Counties) (Table 5)**



## Volume Sold to Consumers

### Flower Sales

- Medical sales accounted for 52% of the total volume of flower sold to consumers during the first six months of 2016. In the first six months of 2015, medical sales accounted for 58% of the total volume of flower sold.

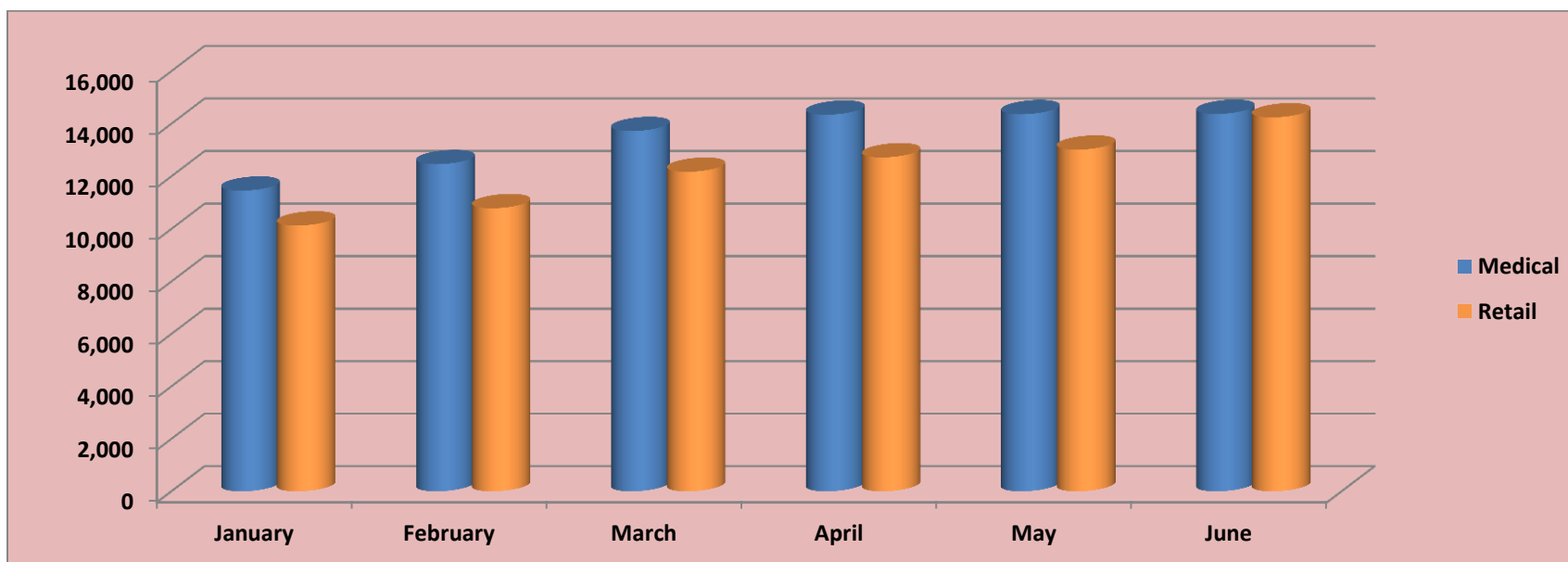
### Edible and Non-Edible Sales

- Medical sales accounted for only 25% of the total units of edibles and 31% of the total units of non-edibles sold to consumers in 2016. In the first six months of 2015, those percentages were 32% and 42% respectively.

**Table 6: Pounds of Flower/Bud Sold Monthly** (Similar data was contained in Table 8A of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Medical	11,457	12,463	13,722	14,343	14,362	14,374	<b>80,721</b>
Retail	10,130	10,786	12,172	12,719	13,015	14,242	<b>73,064</b>
<b>Total</b>	<b>21,587</b>	<b>23,249</b>	<b>25,894</b>	<b>27,062</b>	<b>27,377</b>	<b>28,616</b>	<b>153,785</b>

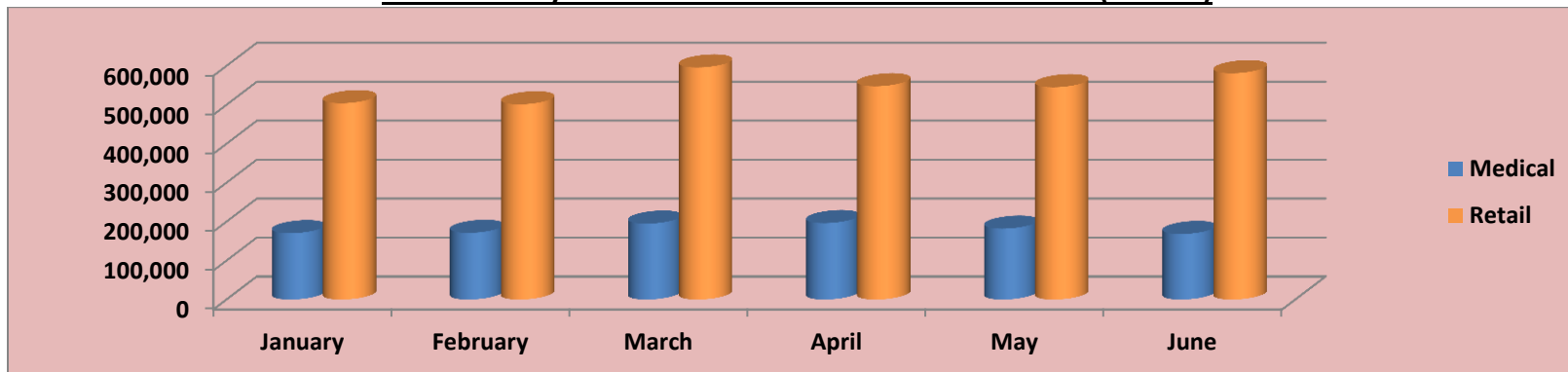
**2016 Monthly Totals for Pounds of Flower/Bud Sold to Consumers (Table 6)**



**Table 7: Units of Edibles Sold Monthly** (Similar data was contained in Table 10A of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Medical	170,371	171,169	194,857	196,210	182,033	168,292	<b>1,082,932</b>
Retail	504,109	501,203	595,918	547,693	545,246	581,172	<b>3,275,341</b>
<b>Total</b>	<b>674,480</b>	<b>672,372</b>	<b>790,775</b>	<b>743,903</b>	<b>727,279</b>	<b>749,464</b>	<b>4,358,273</b>

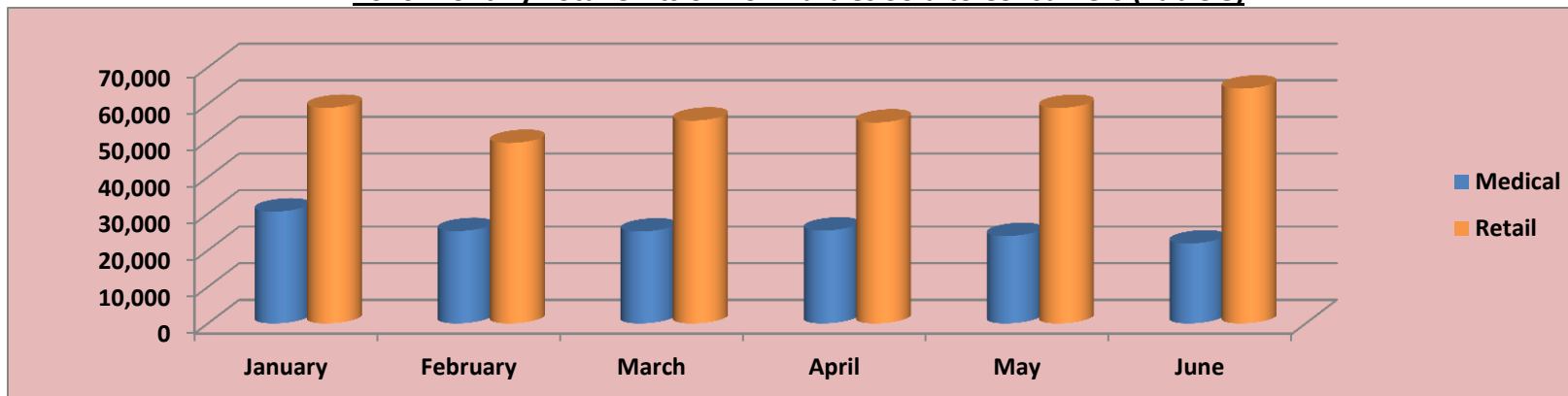
**2016 Monthly Total Units of Edibles Sold to Consumers (Table 7)**



**Table 8: Units of Non-Edibles Sold Monthly** (Similar data was contained in Table 12A of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Medical	30,572	25,238	25,130	25,395	23,883	21,867	<b>152,085</b>
Retail	58,924	49,335	55,427	54,911	58,900	64,185	<b>341,682</b>
<b>Total</b>	<b>89,496</b>	<b>74,573</b>	<b>80,557</b>	<b>80,306</b>	<b>82,783</b>	<b>86,052</b>	<b>493,767</b>

**2016 Monthly Total Units of Non-Edibles Sold to Consumers (Table 8)**





## Testing Data

### Flower/Trim Microbial Contaminant Testing

- 19,398 individual packages of retail marijuana flower/trim were submitted for microbial contaminant testing.

### All Other Tests

- The total number of individual packages submitted for all other mandatory retail tests were a combined 20,983 packages.

**Table 9: Retail Marijuana Potency Testing of Edible Packages\*** (Retail edible potency data was contained in Table 14A of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Packages Tested	862	647	788	689	563	567	<b>4,116</b>
Packages Passed	771	585	740	638	504	526	<b>3,764</b>
% Passed	<b>89.4%</b>	<b>90.4%</b>	<b>93.9%</b>	<b>92.6%</b>	<b>89.5%</b>	<b>92.8%</b>	<b>91.4%</b>

**Table 10: Retail Marijuana Homogeneity Testing of Edible Packages** (Similar data was contained in Table 15A of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Packages Tested	563	480	541	417	345	354	<b>2,700</b>
Packages Passed	557	467	534	416	344	343	<b>2,661</b>
% Passed	<b>98.9%</b>	<b>97.3%</b>	<b>98.7%</b>	<b>99.8%</b>	<b>99.7%</b>	<b>96.9%</b>	<b>98.6%</b>

**Total 11: Retail Marijuana Residual Solvent Testing of Concentrate Packages\***

(Retail marijuana solvent data was contained in Table 16 of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Packages Tested	2,074	1,891	2,197	2,010	1,620	1,532	<b>11,324</b>
Packages Passed	1,991	1,811	2,113	1,920	1,528	1,460	<b>10,823</b>
% Passed	<b>96.0%</b>	<b>95.8%</b>	<b>96.2%</b>	<b>95.5%</b>	<b>94.3%</b>	<b>95.3%</b>	<b>95.6%</b>

**Table 12: Retail Marijuana Microbial Testing of Flower/Trim Packages\*** (Similar data was contained in Table 17 of the 2015 Annual Update)

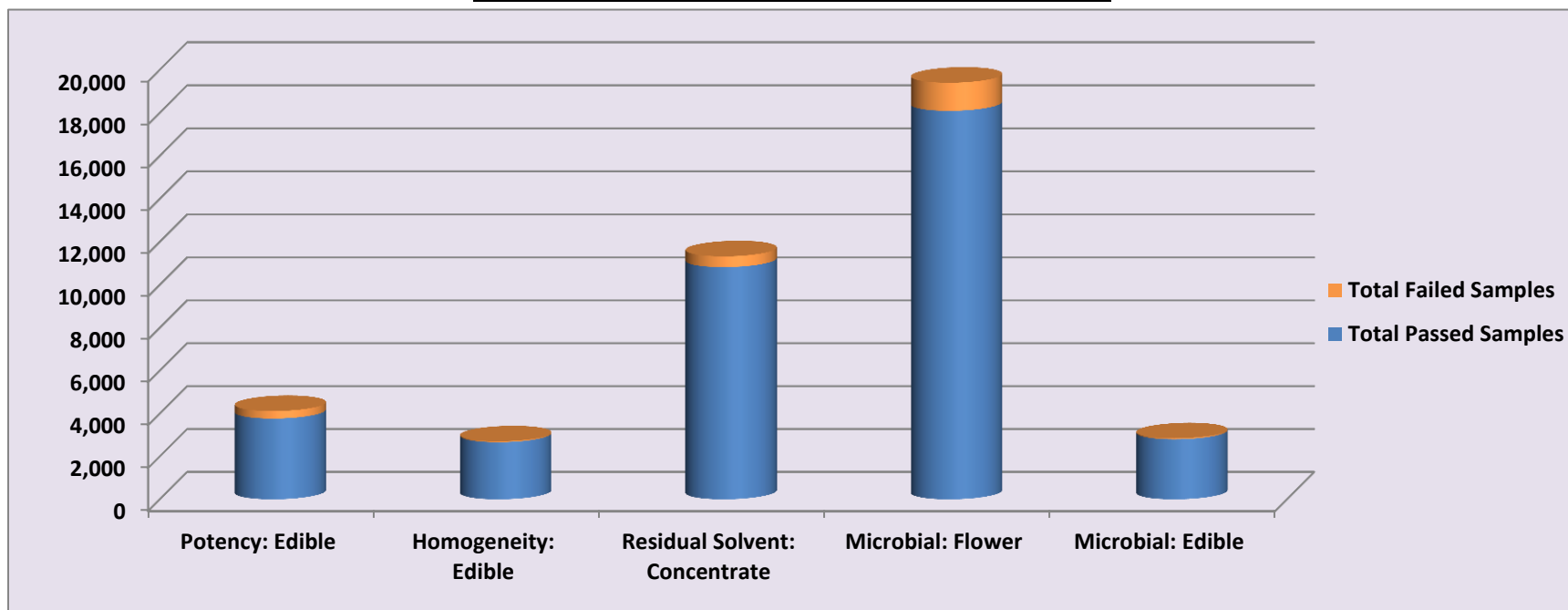
	January	February	March	April	May	June	Total
Packages Tested	4,717	4,204	4,039	3,320	1,814	1,304	<b>19,398</b>
Packages Passed	4,390	3,897	3,791	3,063	1,705	1,243	<b>18,089</b>
<b>% Passed</b>	<b>93.1%</b>	<b>92.7%</b>	<b>93.9%</b>	<b>92.3%</b>	<b>94.0%</b>	<b>95.3%</b>	<b>93.3%</b>

**Table 13: Retail Marijuana Microbial Testing of Edible Packages\***  
(Retail edible microbial data was contained in Table 17 of the 2015 Annual Update)

	January	February	March	April	May	June	Total
Packages Tested	593	488	494	568	355	345	<b>2,843</b>
Packages Passed	593	487	492	528	352	345	<b>2,797</b>
<b>% Passed</b>	<b>100%</b>	<b>99.8%</b>	<b>99.6%</b>	<b>93.0%</b>	<b>99.2%</b>	<b>100%</b>	<b>98.4%</b>

\*The MED continues to refine our analysis of marijuana testing data. We now provide the pass/fail rate for each package of marijuana and/or marijuana product submitted as a single sample for testing. The test types that we are reporting have several sub-type results that are captured and were previously reported. The figures in this update represent the overall test result for a single sample submitted for the test type listed.

**2016 Total Testing Results By Test Type (Tables 9-13)**



## Investigation Information

### Change of Ownership

- On average, there are over 51 Change of Ownership applications submitted each month.

### Administrative Actions

- Of the 109 Administrative Actions issued against business licenses, 56 were for retail licenses and 53 were for medical licenses.

Table 14: Background Investigations	Total Number of Investigations
Business Background Investigation	388
Individual Background Investigation	288
Renewal Investigation	1,655
Change of Ownership Investigation	307

Table 15: Field Enforcement Investigations	Total Number of Investigations
Change of Location Investigation	91
Modification of Premises Investigation	251
Change of Trade Name Investigation	74
Non-Qualified Sales Check Investigation (% of Checks Passed)	138 (86%)
Regulatory and Criminal Investigation	627

**Table 16: Administrative Actions Issued by the State Licensing Authority** (Similar data was contained in Table 20 of the 2015 Annual Update)

	Medical Centers	Medical Cultivations	Medical MIPs	Retail Stores	Retail Cultivations	Retail Product Manufacturers	Retail Testing Facilities	Owners or Occupational Badge Holder	Total Licenses Affected
Assurance of Voluntary Compliance	0	3	1	2	3	1	0	13	<b>23</b>
Denial	2	2	0	1	1	0	0	16	<b>22</b>
Summary Suspension	2	2	0	0	1	0	0	16	<b>21</b>
Order to Show Cause	0	2	1	15	6	1	0	41	<b>66</b>
Stipulation, Agreement, and Order	13	22	3	10	14	1	0	70	<b>133</b>
<b>Totals</b>	<b>17</b>	<b>31</b>	<b>5</b>	<b>28</b>	<b>25</b>	<b>3</b>	<b>0</b>	<b>156</b>	<b>265</b>

**2016 Administrative Actions Issued (Table 16)**

