



## Arizona Medical Marijuana Program May 2016 Monthly Report



In November 2010, Arizona voters passed the Arizona Medical Marijuana Act (AMMA), A.R.S. §36-2801 *et seq.* The AMMA went into effect on April 14, 2011, making Arizona the fourteenth state to adopt a medical marijuana law. The AMMA designates the Arizona Department of Health Services (ADHS) as the licensing and issuing authority for the Arizona Medical Marijuana Program.

The AMMA monthly report highlights the most current program statistics. This includes data on active medical marijuana cardholders as well as transaction data from the sale of medical marijuana at non-profit medical marijuana dispensaries. Tables 1 through 6 and Figures 1 through 3 reflect data that are point in time. Table 7 and Figure 4 are data from the month of May, 2016. The Year-To-Date section which follows shows cumulative applications and approvals for 2016. For further information and statistics, please reference the Arizona Medical Marijuana Annual Report.

**Table 1. Arizona Medical Marijuana Active Qualifying Patients, Designated Caregivers and Dispensary Agents Profile**

| ACTIVE CARDHOLDER'S PROFILE  | TOTALS         | PERCENT TOTAL  |
|------------------------------|----------------|----------------|
| 1. QUALIFYING PATIENTS (QPS) | 99,895         | 96.59%         |
| 2. CAREGIVERS (CGS)          | 855            | 0.83%          |
| 3. DISPENSARY AGENTS (DA)    | 2,672          | 2.58%          |
| <b>TOTAL</b>                 | <b>103,422</b> | <b>100.00%</b> |

\*Note: For caregivers and dispensary agents, these data reflect unique individuals, not the number of cards.

**Table 2. Arizona Medical Marijuana Active Qualifying Patients Profile**

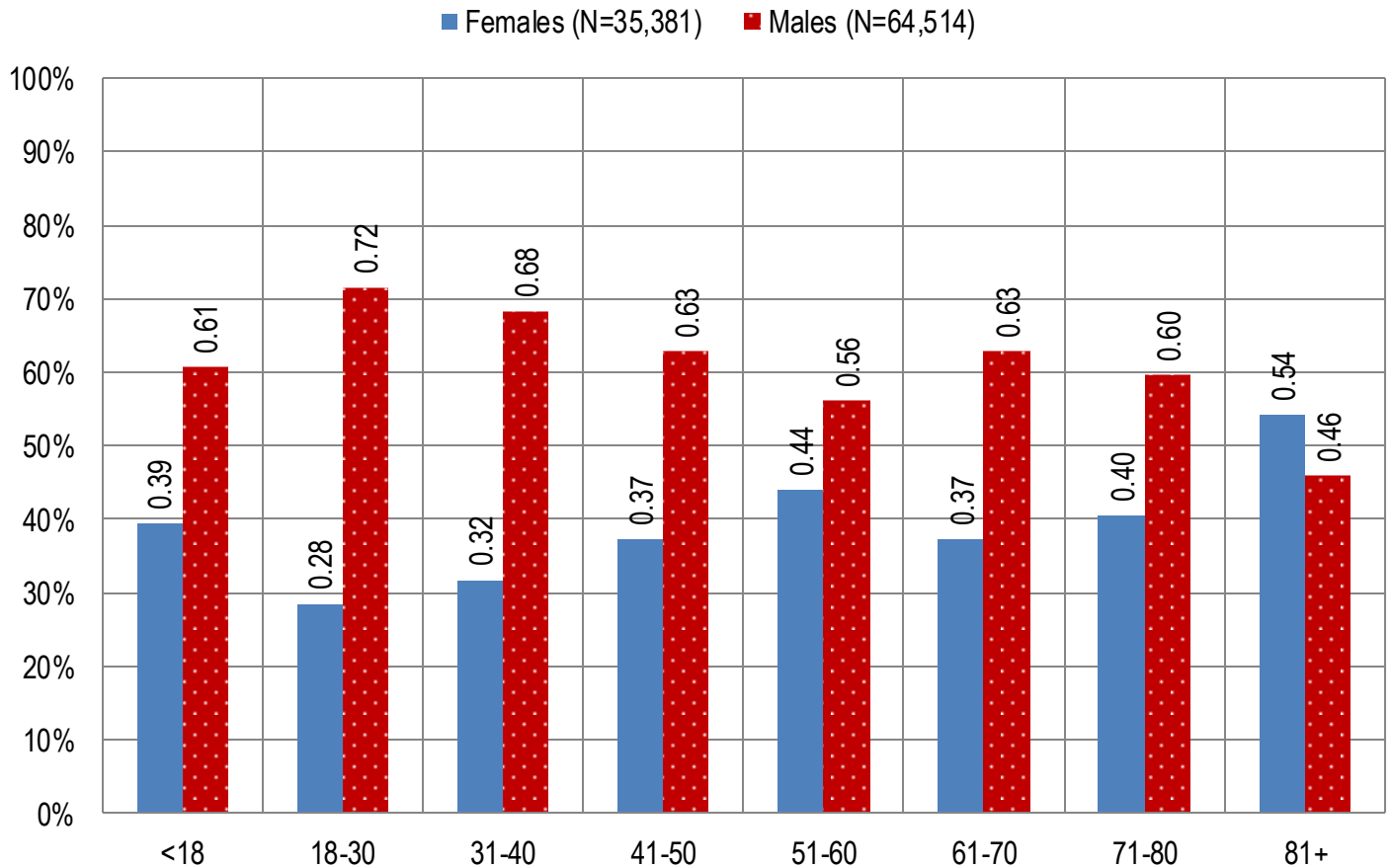
| APPLICATION PROFILE OF QUALIFYING PATIENTS | TOTALS        | PERCENT TOTAL  |
|--|---------------|----------------|
| 1. NEW APPLICATIONS                        | 66,712        | 66.78%         |
| 2. RENEWAL APPLICATIONS                    | 29,400        | 29.43%         |
| 3. CHANGED DEMOGRAPHICS                    | 1,642         | 1.64%          |
| 4. ADDED CAREGIVERS                        | 209           | 0.21%          |
| 5. CHANGE DUP                              | 1,894         | 1.90%          |
| 6. REPLACED CAREGIVERS                     | 32            | 0.03%          |
| 7. REMOVED CAREGIVERS                      | 6             | 0.01%          |
| <b>TOTAL</b>                               | <b>99,895</b> | <b>100.00%</b> |

Approximately 13 percent (n = 12,417) of the active cardholders were determined to be SNAP eligible. Of the 12,417 that were determined to be eligible, 5,580 (~45%) were females and 6,837 (~55%) were males.

**Table 3. Arizona Medical Marijuana Active Qualifying Patients Characteristics**

| CHARACTERISTICS OF ACTIVE CARDHOLDERS WHO ARE QUALIFIED PATIENTS | TOTALS<br>(N = 99,895) | PERCENT TOTAL |
|--|------------------------|---------------|
| <b>PATIENT AGE-GROUPS</b>  |                        |               |
| Less than 18 years   | 155                    | 0.16%         |
| 18 to 30 years   | 24,789                 | 24.82%        |
| 31 to 40 years   | 20,430                 | 20.45%        |
| 41 to 50 years   | 15,720                 | 15.74%        |
| 51 to 60 years   | 18,401                 | 18.42%        |
| 61 to 70 years   | 15,942                 | 15.96%        |
| 71 to 80 years   | 3,674                  | 3.68%         |
| 81 and older   | 784                    | 0.78%         |
| <b>PATIENT GENDER</b>  |                        |               |
| Male   | 64,514                 | 64.58%        |
| Female   | 35,381                 | 35.42%        |

**Figure 1. Arizona Medical Marijuana Active Qualifying Patients Characteristics by Gender and Age (N = 99,895)**

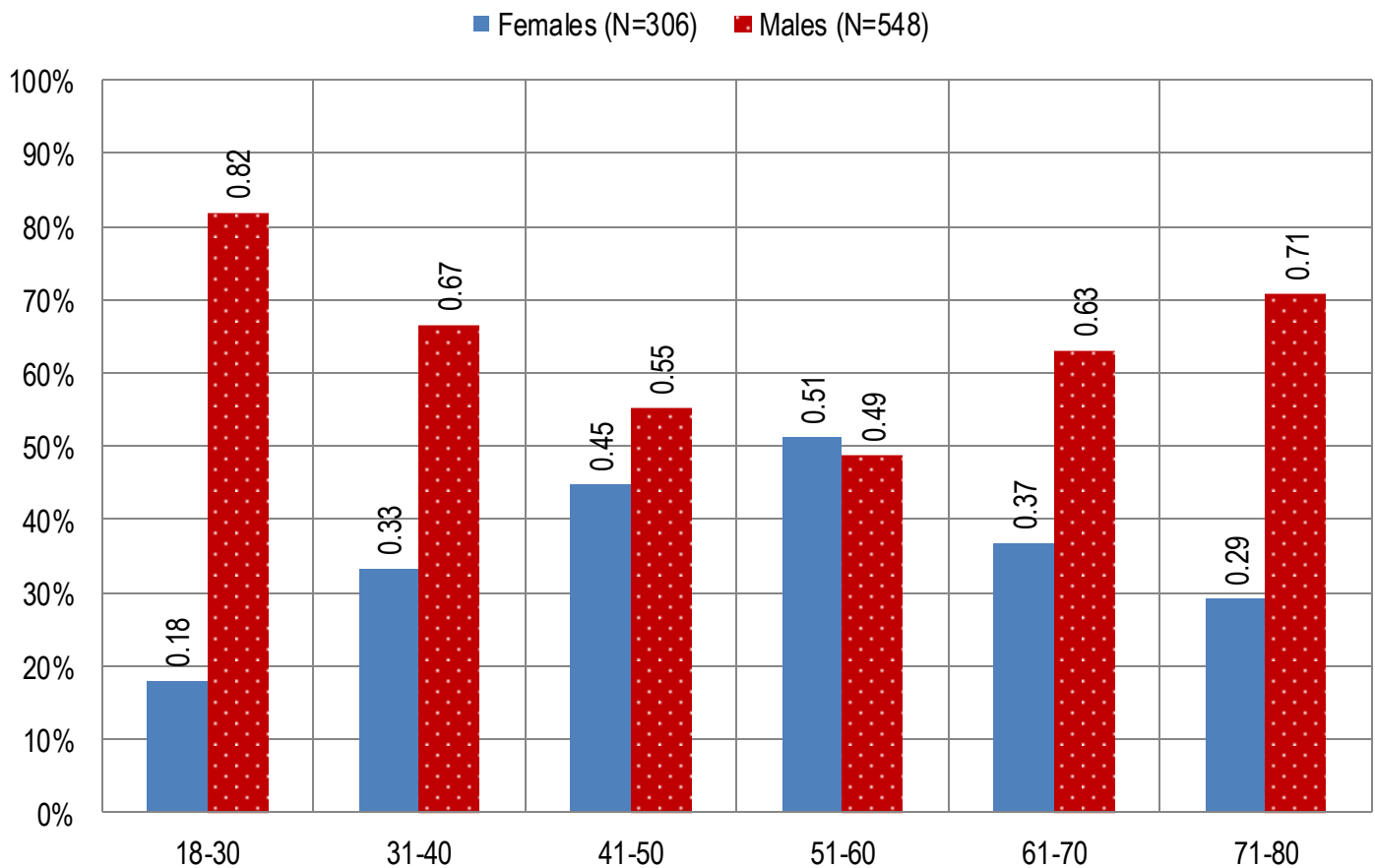


**Table 4. Arizona Medical Marijuana Active Qualifying Patients Medical Condition Profile**

| PATIENT MEDICAL CONDITION PROFILE OF ACTIVE CARDHOLDERS <sup>†</sup> | TOTALS        | PERCENT TOTAL  |
|--|---------------|----------------|
| ALZHEIMERS   | 45            | 0.05%          |
| CACHEXIA   | 93            | 0.09%          |
| CANCER   | 2,719         | 2.72%          |
| CHRONIC PAIN   | 81,082        | 81.17%         |
| CROHN'S DISEASE  | 409           | 0.41%          |
| GLAUCOMA   | 708           | 0.71%          |
| HEPATITIS C  | 837           | 0.84%          |
| HIV/AIDS   | 461           | 0.46%          |
| MUSCLE SPASMS  | 671           | 0.67%          |
| NAUSEA   | 676           | 0.68%          |
| POST TRAUMATIC STRESS DISORVER (PTSD)                                | 1,171         | 1.17%          |
| SCLEROSIS  | 29            | 0.03%          |
| SEIZURES   | 858           | 0.86%          |
| TWO OR MORE CONDITIONS   | 10,136        | 10.15%         |
| <b>TOTAL</b>   | <b>99,895</b> | <b>100.00%</b> |

<sup>†</sup>Unique debilitating conditions

**Figure 2. Arizona Medical Marijuana Active Designated Caregiver Characteristics by Gender and Age (N = 854)**



**Table 5. Arizona Medical Marijuana Active Qualifying Patients and Designated Caregivers Authorized for Cultivation**

| ACTIVE CARDHOLDERS CULTIVATION STATUS | TOTALS | PERCENT TOTAL |
|---------------------------------------|--------|---------------|
| QUALIFYING PATIENTS (N = 99,895)      | 1,370  | 1.37%         |
| CAREGIVERS (N = 855)                  | 447    | 52.34%        |

**Table 6. Frequency and Percent of Total Frequency of Qualifying Patients per County of Residence**

| COUNTY            | QUALIFYING PATIENTS | CAREGIVERS     | DISPENSARY AGENTS |
|-------------------|---------------------|----------------|-------------------|
| APACHE COUNTY     | 749                 | COUNT UNDER 20 | COUNT UNDER 20    |
| COCHISE COUNTY    | 1,491               | COUNT UNDER 20 | COUNT UNDER 20    |
| COCONINO COUNTY   | 2,537               | 36             | 112               |
| GILA COUNTY       | 1,123               | COUNT UNDER 20 | 29                |
| GRAHAM COUNTY     | 379                 | COUNT UNDER 20 | COUNT UNDER 20    |
| GREENLEE COUNTY   | 129                 | COUNT UNDER 20 | COUNT UNDER 20    |
| LA PAZ COUNTY     | 262                 | COUNT UNDER 20 | COUNT UNDER 20    |
| MARICOPA COUNTY   | 62,173              | 546            | 1,658             |
| MOHAVE COUNTY     | 3,784               | COUNT UNDER 20 | 102               |
| NAVAJO COUNTY     | 1,408               | 23             | 64                |
| PIMA COUNTY       | 13,390              | 91             | 311               |
| PINAL COUNTY      | 5,252               | 38             | 98                |
| SANTA CRUZ COUNTY | 332                 | COUNT UNDER 20 | 35                |
| YAVAPAI COUNTY    | 5,616               | 65             | 182               |
| YUMA COUNTY       | 1,197               | COUNT UNDER 20 | COUNT UNDER 20    |
| <b>TOTAL</b>      | <b>99,822</b>       | <b>848</b>     | <b>2,645</b>      |

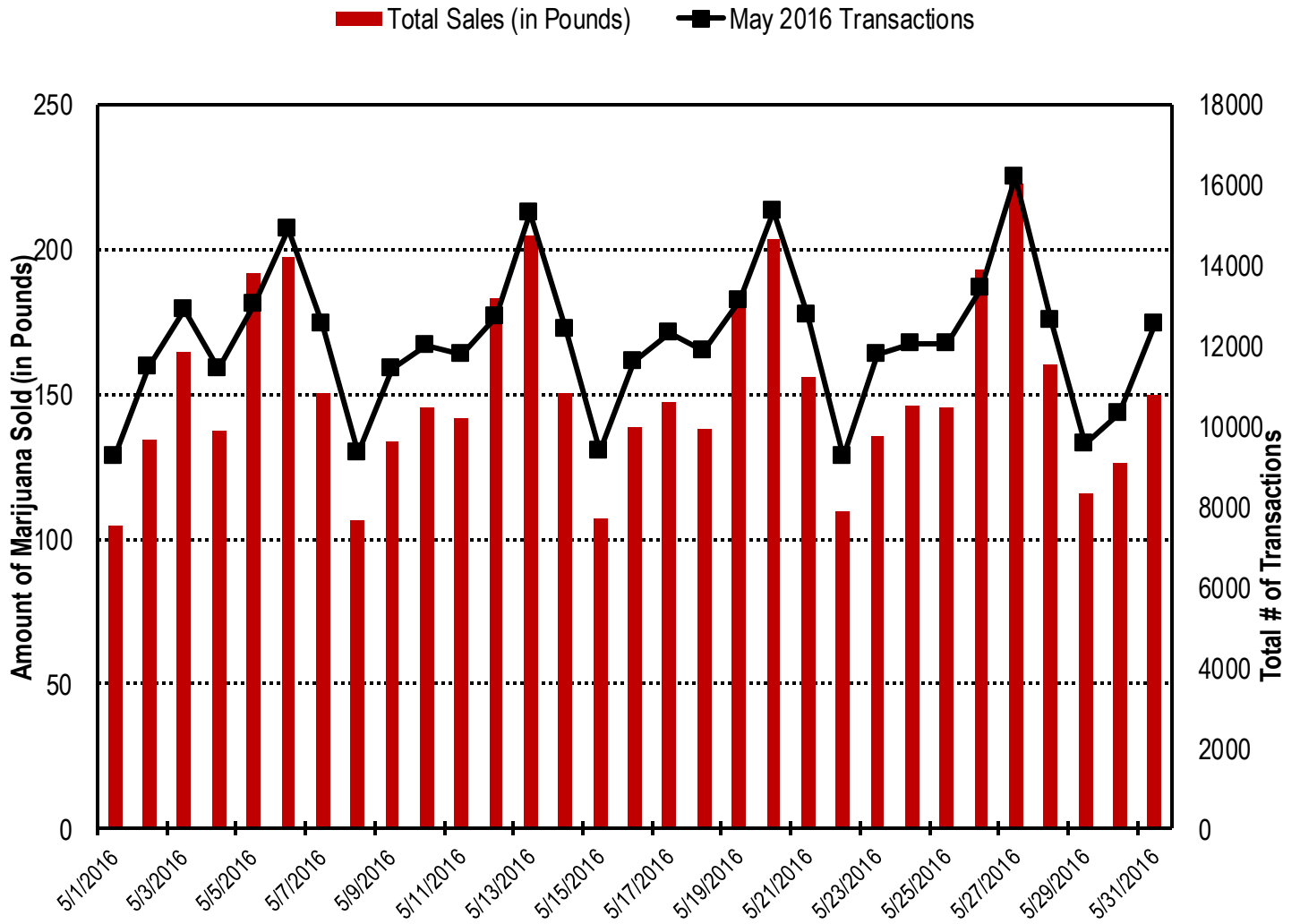
\*Note: 32 active patients have not been assigned to counties due to spatial precision of their residence address.

**Table 7. Type and Amount of Transactions at Medical Marijuana Dispensaries in May, 2016**

| TYPE OF TRANSACTION <sup>†</sup> | OUNCES (oz.)     | POUNDS          |
|----------------------------------|------------------|-----------------|
| MARIJUANA                        | 69,213.85        | 4,325.87        |
| MARIJUANA EDIBLE                 | 4,754.13         | 297.13          |
| MARIJUANA OTHER                  | 1,621.58         | 101.35          |
| <b>TOTAL MARIJUANA SOLD</b>      | <b>75,589.56</b> | <b>4,724.35</b> |

<sup>†</sup>Amounts have been rounded and may not added to exact totals

Figure 4. Daily Transactions and Amount of Marijuana Sold in May, 2016



**YEAR TO DATE**

**Table 1a. Arizona Medical Marijuana Applications Received- Application Profile**

| <b>APPLICATIONS RECEIVED CARDHOLDER PROFILE</b> | <b>TOTALS</b> | <b>PERCENT TOTAL</b> |
|---|---------------|----------------------|
| QUALIFYING PATIENTS (QPS)                       | 53,203        | 94.93%               |
| CAREGIVERS (CGS)                                | 990           | 1.77%                |
| DISPENSARY AGENTS (DAS)                         | 1,850         | 3.30%                |
| <b>TOTAL</b>                                    | <b>56,043</b> | <b>100.00%</b>       |

\*Note: For caregivers and dispensary agents, these data reflect unique individuals, not the number of cards.

**Table 1b. Arizona Medical Marijuana Licensed Qualifying Patients, Designated Caregivers and Dispensary Agents Profile**

| <b>APPLICATIONS APPROVED CARDHOLDER PROFILE</b> | <b>TOTALS</b> | <b>PERCENT TOTAL</b> |
|---|---------------|----------------------|
| QUALIFYING PATIENTS (QPS)                       | 51,993        | 95.21%               |
| CAREGIVERS (CGS)                                | 905           | 1.66%                |
| DISPENSARY AGENTS (DAS)                         | 1,713         | 3.14%                |
| <b>TOTAL</b>                                    | <b>54,611</b> | <b>100.00%</b>       |

\*Note: For caregivers and dispensary agents, these data reflect unique individuals, not the number of cards.

**Table 2a. Arizona Medical Marijuana Licensed Qualifying Patient Profile**

| <b>APPLICATIONS RECEIVED FOR QUALIFYING PATIENTS</b> | <b>TOTALS</b> | <b>PERCENT TOTAL</b> |
|--|---------------|----------------------|
| NEW APPLICATIONS                                     | 33,277        | 64.00%               |
| RENEWAL APPLICATIONS                                 | 15,785        | 30.36%               |
| CHANGED DEMOGRAPHICS                                 | 1,265         | 2.43%                |
| ADDED CAREGIVERS                                     | 158           | 0.30%                |
| CHANGE DUP   | 1,458         | 2.80%                |
| REPLACED CAREGIVERS                                  | 39            | 0.08%                |
| REMOVED CAREGIVERS                                   | 11            | 0.02%                |
| <b>TOTAL</b>   | <b>51,993</b> | <b>100.00%</b>       |

**Table 3a. Arizona Medical Marijuana Applications Received- Patient Characteristics**

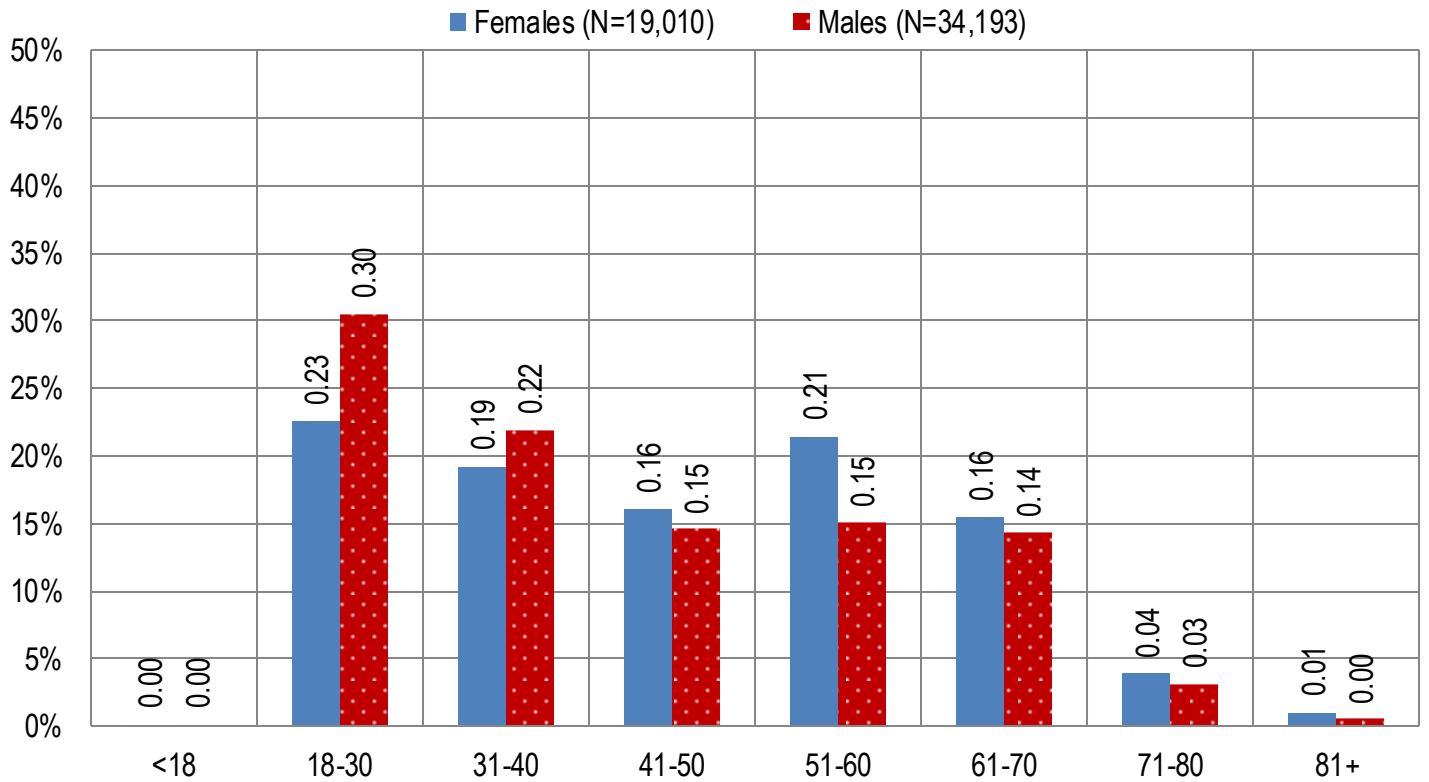
| <b>CHARACTERISTICS OF APPLICATIONS RECEIVED WHO ARE QUALIFIED PATIENTS</b> | <b>TOTALS<br/>(N = 53,203)</b> | <b>PERCENT TOTAL</b> |
|--|--------------------------------|----------------------|
| <b>PATIENT AGE-GROUPS</b>  |                                |                      |
| Less than 18 years   | 84                             | 0.16%                |
| 18 to 30 years   | 14,716                         | 27.66%               |
| 31 to 40 years   | 11,151                         | 20.96%               |
| 41 to 50 years   | 8,029                          | 15.09%               |
| 51 to 60 years   | 9,220                          | 17.33%               |
| 61 to 70 years   | 7,845                          | 14.75%               |
| 71 to 80 years   | 1,800                          | 3.38%                |
| 81 and older   | 358                            | 0.67%                |
| <b>PATIENT GENDER</b>  |                                |                      |
| Male   | 34,193                         | 64.27%               |
| Female   | 19,010                         | 35.73%               |

**Table 3b. Arizona Medical Marijuana Licensed Qualifying Patient Characteristics**

| <b>CHARACTERISTICS OF APPROVED APPLICATIONS WHO ARE QUALIFIED PATIENTS</b> | <b>TOTALS<br/>(N = 51,993)</b> | <b>PERCENT TOTAL</b> |
|--|--------------------------------|----------------------|
| <b>PATIENT AGE-GROUPS</b>  |                                |                      |
| Less than 18 years   | 71                             | 0.14%                |
| 18 to 30 years   | 14,400                         | 27.70%               |
| 31 to 40 years   | 10,931                         | 21.02%               |
| 41 to 50 years   | 7,853                          | 15.10%               |
| 51 to 60 years   | 8,989                          | 17.29%               |
| 61 to 70 years   | 7,643                          | 14.70%               |
| 71 to 80 years   | 1,758                          | 3.38%                |
| 81 and older   | 348                            | 0.67%                |
| <b>PATIENT GENDER</b>  |                                |                      |
| Male   | 33,377                         | 64.20%               |
| Female   | 18,616                         | 35.80%               |

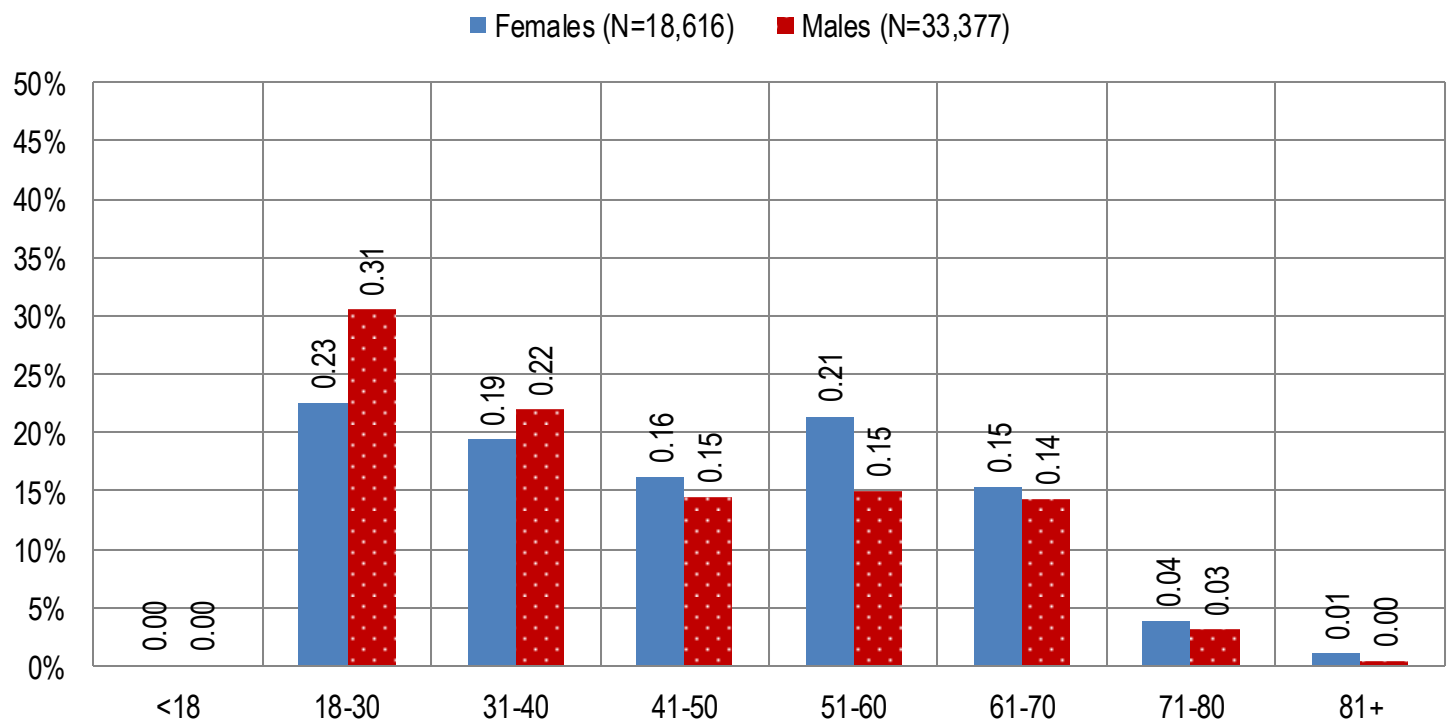
**Figure 1a. Arizona Medical Marijuana Applications Received- Patient Characteristics by Gender and Age**

(N =53,203 )



**Figure 1b. Arizona Medical Marijuana Licensed Qualifying Patient Characteristics by Gender and Age**

(N =51,993)

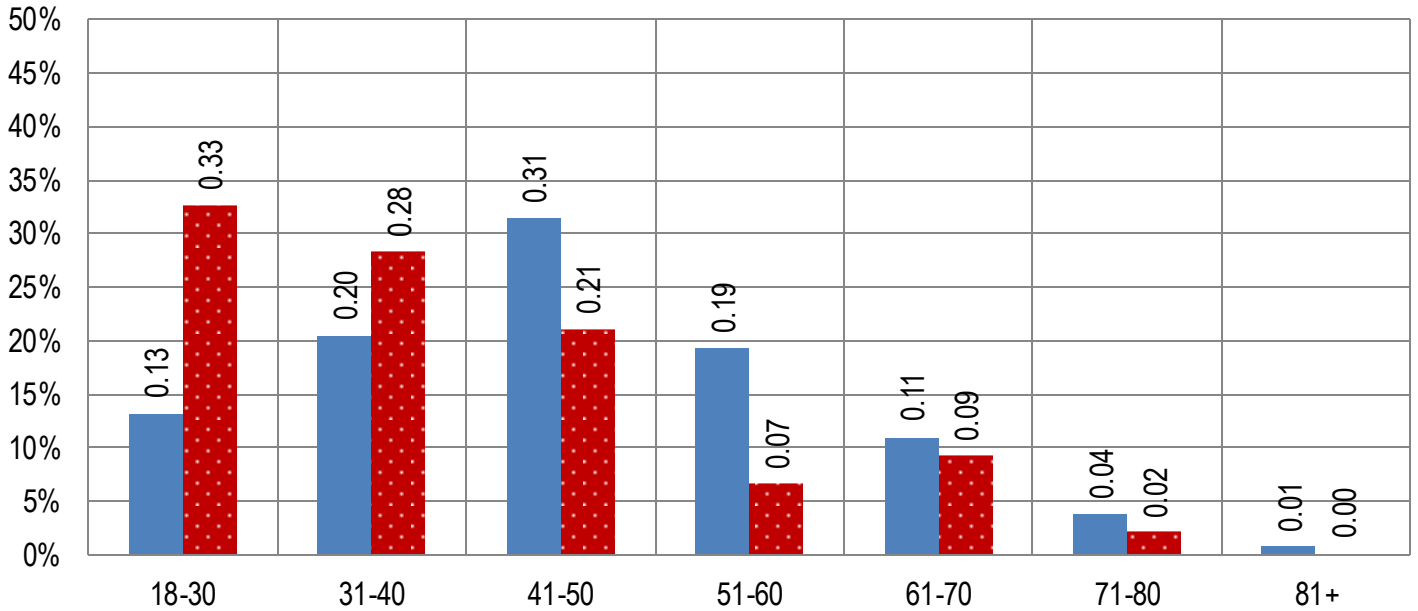




**Figure 2a. Arizona Medical Marijuana Applications Received- Caregivers Characteristics by Gender and Age**

(N = 990)

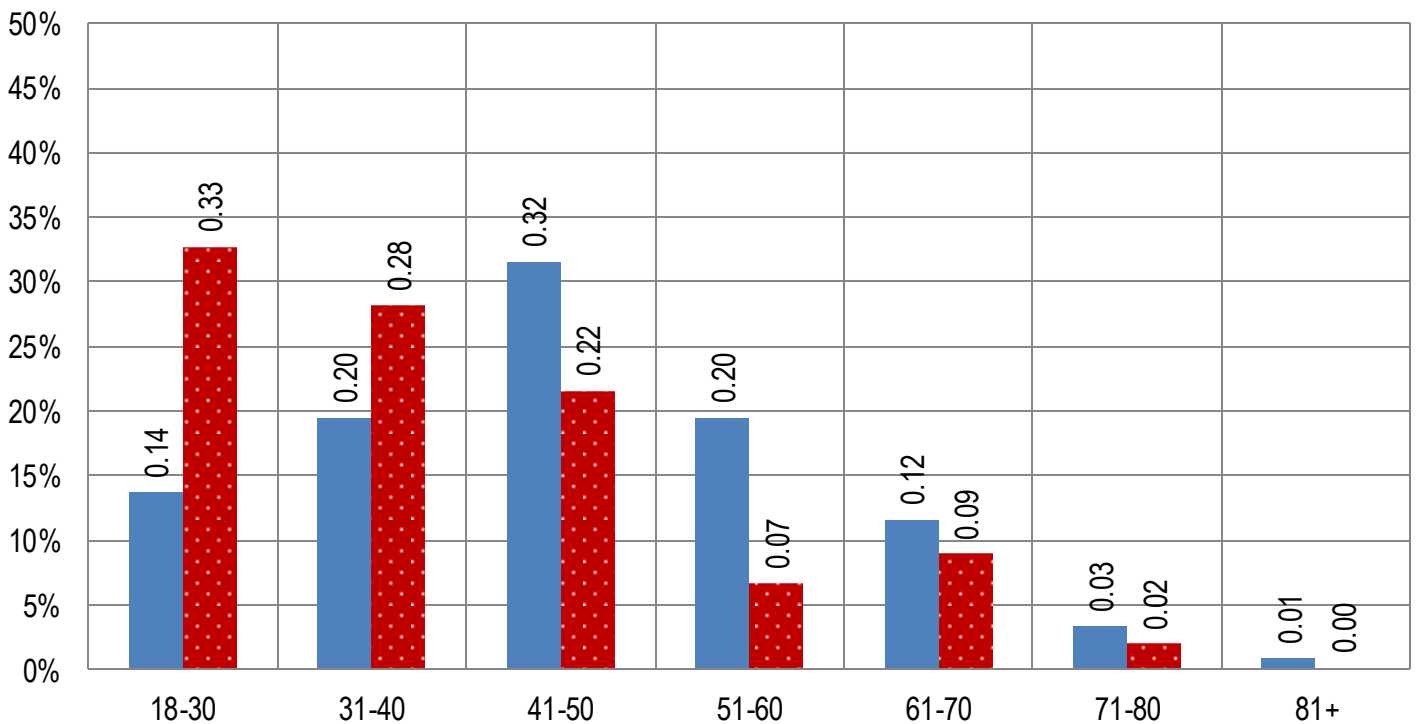
■ Females (N=264) ■ Males (N=726)



**Figure 2b. Arizona Medical Marijuana Licensed Caregivers Characteristics by Gender and Age**

(N = 905)

■ Females (N=241) ■ Males (N=664)



**Table 4a. Arizona Medical Marijuana Applications Received- Patient Medical Conditions Profile**

| <b>PATIENT MEDICAL CONDITION PROFILE OF APPLICATIONS RECEIVED<sup>†</sup></b> | <b>TOTALS</b> | <b>PERCENT TOTAL</b> |
|---|---------------|----------------------|
| ALZHEIMERS  | 26            | 0.05%                |
| CACHEXIA  | 40            | 0.08%                |
| CANCER  | 1,420         | 2.67%                |
| CHRONIC PAIN  | 43,506        | 81.77%               |
| CROHN'S DISEASE   | 230           | 0.43%                |
| GLAUCOMA  | 368           | 0.69%                |
| HEPATITIS C   | 418           | 0.79%                |
| HIV/AIDS  | 239           | 0.45%                |
| MUSCLE SPASMS   | 336           | 0.63%                |
| NAUSEA  | 331           | 0.62%                |
| POST TRAUMATIC STRESS DISORVER (PTSD)   | 694           | 1.30%                |
| SCLEROSIS   | 14            | 0.03%                |
| SEIZURES  | 459           | 0.86%                |
| TWO OR MORE CONDITIONS  | 5,122         | 9.63%                |
| <b>TOTAL</b>  | <b>53,203</b> | <b>100.00%</b>       |

<sup>†</sup>Unique debilitating conditions

**Table 4b. Arizona Medical Marijuana Licensed Qualifying Patients Medical Conditions Profile**

| <b>PATIENT MEDICAL CONDITION PROFILE OF APPLICATIONS APPROVED<sup>†</sup></b> | <b>TOTALS</b> | <b>PERCENT TOTAL</b> |
|---|---------------|----------------------|
| ALZHEIMERS  | 23            | 0.04%                |
| CACHEXIA  | 39            | 0.08%                |
| CANCER  | 1,381         | 2.66%                |
| CHRONIC PAIN  | 42,579        | 81.89%               |
| CROHN'S DISEASE   | 225           | 0.43%                |
| GLAUCOMA  | 361           | 0.69%                |
| HEPATITIS C   | 409           | 0.79%                |
| HIV/AIDS  | 230           | 0.44%                |
| MUSCLE SPASMS   | 329           | 0.63%                |
| NAUSEA  | 325           | 0.63%                |
| POST TRAUMATIC STRESS DISORVER (PTSD)   | 678           | 1.30%                |
| SCLEROSIS   | 14            | 0.03%                |
| SEIZURES  | 447           | 0.86%                |
| TWO OR MORE CONDITIONS  | 4,953         | 9.53%                |
| <b>TOTAL</b>  | <b>51,993</b> | <b>100.00%</b>       |

<sup>†</sup>Unique debilitating conditions

**Table 5a. Arizona Medical Marijuana Applications Received for Applicants Seeking Authorization to Cultivate**

| APPLICATIONS RECEIVED FOR CARDHOLDERS WITH CULTIVATION STATUS | TOTALS | PERCENT TOTAL |
|---|--------|---------------|
| QUALIFYING PATIENTS (N = 53,203)                              | 764    | 1.44%         |
| CAREGIVERS (N = 990)  | 0      | 0.00%         |

**Table 5b. Arizona Medical Marijuana Licensed Qualifying Patients and Designated Caregivers Authorized for Cultivation**

| APPROVED CARDHOLDERS CULTIVATION STATUS | TOTALS | PERCENT TOTAL |
|---|--------|---------------|
| QUALIFYING PATIENTS (N = 51,993)        | 764    | 1.47%         |
| CAREGIVERS (N = 905)                    | 0      | 0.00%         |

**Table 7a. Type and Amount of Transactions at Medical Marijuana Dispensaries in 2016 to Date**

| TYPE OF TRANSACTION <sup>†</sup> | OUNCES (OZ.)      | POUNDS           |
|----------------------------------|-------------------|------------------|
| MARIJUANA                        | 318,651.15        | 19,915.70        |
| MARIJUANA EDIBLE                 | 24,345.81         | 1,521.61         |
| MARIJUANA OTHER                  | 7,880.61          | 492.54           |
| <b>TOTAL MARIJUANA SOLD</b>      | <b>350,877.57</b> | <b>21,929.85</b> |

<sup>†</sup>Amounts have been rounded and may not added to exact totals

**Figure 5. Transactions and Amount of Marijuana Sold in 2016 by Month**

