911 Calls by Year

- **911 Calls**
- **Population**

Percent Change 2015 to 2016 = +0.8%

<table>
<thead>
<tr>
<th>Year</th>
<th>911 Calls</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>336,135</td>
<td>633,976</td>
</tr>
<tr>
<td>2013</td>
<td>301,246</td>
<td>648,411</td>
</tr>
<tr>
<td>2014</td>
<td>297,970</td>
<td>663,963</td>
</tr>
<tr>
<td>2015</td>
<td>314,498</td>
<td>682,545</td>
</tr>
<tr>
<td>2016</td>
<td>317,038</td>
<td>693,060</td>
</tr>
</tbody>
</table>
Officer Initiated Calls by Year

Percent Change 2015 to 2016 = +30.3%

- Heartbeat
- Non-heartbeat

<table>
<thead>
<tr>
<th>Year</th>
<th>Heartbeat</th>
<th>Non-heartbeat</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>54,002</td>
<td>122,430</td>
<td>176,432</td>
</tr>
<tr>
<td>2013</td>
<td>74,355</td>
<td>114,864</td>
<td>189,219</td>
</tr>
<tr>
<td>2014</td>
<td>74,562</td>
<td>141,867</td>
<td>216,430</td>
</tr>
<tr>
<td>2015</td>
<td>69,315</td>
<td>147,781</td>
<td>217,096</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td>82,763</td>
<td>200,160</td>
</tr>
</tbody>
</table>
Response Times (in minutes)

Priority 0-2

- 911 to Arrive
- Assign to Arrive

Priority 3-6

- 911 to Arrive
- Assign to Arrive

911 to Arrive:
- Priority 0-2 = - 56 sec
- Priority 3-6 = + 1 min 3 sec

Assign to Arrive:
- Priority 0-2 = - 9 sec
- Priority 3-6 = - 14 sec
Part 1 Crime by Year

- Property Crime
- Violent Crime
- Average Yearly Crime Prediction

Percent Change 2015 to 2016: +1.3%
UCR Part 1 Crime per 100,000 Residents
2015 and 2016, January - June
Regional Cities of Comparable Population and Police Force Size

<table>
<thead>
<tr>
<th>City</th>
<th>2015 P1 per 100,00</th>
<th>2016 P1 per 100,0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aurora</td>
<td>1610</td>
<td>1771</td>
</tr>
<tr>
<td>Co. Springs</td>
<td>1874</td>
<td>1925</td>
</tr>
<tr>
<td>Denver</td>
<td>1954</td>
<td>2119</td>
</tr>
<tr>
<td>Nashville</td>
<td>2260</td>
<td>2261</td>
</tr>
<tr>
<td>OK City</td>
<td>2251</td>
<td>2362</td>
</tr>
<tr>
<td>Milwaukee</td>
<td>2662</td>
<td>2629</td>
</tr>
<tr>
<td>Kansas City</td>
<td>2739</td>
<td>2719</td>
</tr>
<tr>
<td>Seattle</td>
<td>2936</td>
<td>3102</td>
</tr>
<tr>
<td>Albuquerque</td>
<td>3114</td>
<td>3313</td>
</tr>
</tbody>
</table>

Population:
- Aurora: 360,237
- Co. Springs: 452,410
- Denver: 682,418
- Nashville: 658,029
- OK City: 630,621
- Milwaukee: 600,400
- Kansas City: 473,373
- Seattle: 683,700
- Albuquerque: 559,721
FBI UCR Large Cities (500K+)
14th Safest City
Jan - June 2016
Part 1 Crimes
Per 1,000 Residents
Citizen Satisfaction

- Police Services
- Traffic Enforcement
- Crime Prevention

![Graph showing percentages of satisfaction over years for Police Services, Traffic Enforcement, and Crime Prevention.]
Traffic Citations and Accidents by Year

- Traffic Citations
- Accidents

Traffic On-duty Special Assignment Hours

<table>
<thead>
<tr>
<th>Year</th>
<th>Protests</th>
<th>Motorcades</th>
<th>Misc</th>
<th>Total Staff Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>1,755</td>
<td>1,376</td>
<td>2,328</td>
<td>5,458</td>
</tr>
<tr>
<td>2016</td>
<td>3,156</td>
<td>3,029</td>
<td>7,804</td>
<td>13,989</td>
</tr>
</tbody>
</table>

Graph showing the number of traffic citations and accidents from 2012 to 2016, with a table showing the number of staff hours for different types of assignments in 2015 and 2016.
Positive Youth Contacts in 2016

1st Qtr 2016
- Gang Intervention: 0.7K
- Youth Meeting: 2.0K

2nd Qtr 2016
- Youth Meeting: 1.4K
- Youth Sports: 4.5K

3rd Qtr 2016
- Youth Meeting: 0.6K
- Youth Sports: 0.7K
- Youth Education: 2.4K

4th Qtr 2016
- Youth Meeting: 0.6K
- Youth Sports: 2.2K
- Youth Education: 1.8K

Total
- Gang Intervention: 0.8K
- Youth Meeting: 1.1K
- Youth Sports: 0.9K
- After School Program: 2.9K
- Parents/Youth/Police: 3.3K
- Youth Education: 10.7K
Total Arrests by Year

Percent Change 2015 to 2016: -1.7%
Person Crime Caseload and Clearance at 75 Days

Relationship between caseload and next quarter clearance

R-square = .49, p < .01
Monthly Class 2 Productivity
Citywide

1 = 2008 DPD Baseline of 1 class 2 action every 2 hours of discretionary time

242% Increase in Officer Productivity from 2011 to 2016

- 8 Hour Shifts Implemented
- New Commanders Appointed
- Civilian Report Writers Deployed
- Internet in Police Cars
- Sgt Leadership Training Completed
- New Police Districts
- Team Policing Implemented
- 12 Hour Shifts in District 6
- Departmental Right Sizing
- New Commanders Appointed
- Chief White Appointed
Staffing Model - Top Predictors
Proactive Time * Effective Strength
Detective Realignment * Snow

What we can impact:

- Crime
  - R² = 0.63
  - Proactive Time → Snowfall → Redistricting

- P1 Response Time
  - R² = 0.92
  - Effective Strength → Population → Snowfall

- P2 Response Time
  - R² = 0.83
  - Snowfall → Effective Strength → Population

- Accidents
  - R² = 0.42
  - Snowfall → Citations → Traffic Stops – No Citation

- Part 1 Clearance
  - R² = 0.66
  - Realignment → Season → Population

None → Infinite

Crime or Response Times or Accidents

What we can impact → Crime
Staffing Study Metrics
Based on Predictions 2016

% Change from Projected in 2016 vs. Actual in 2016

Crime Rate
+0.25%
2365 vs. Projected 2359

Accidents
+6.80%
2,130 vs Projected 1995

Priority 1 Response Time
+3.25%
7.04 vs Projected 6.83

Part 1 District Case Clearance
+5%
40% vs Projected 35%

Priority 2 Response Time
+1.31%
7.16 vs Projected 7.07

Proactive Time
28%
## 5 Year Plan

### 100 Officers a Year - 20 FTE CRTS in 2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Population (State Demography Projections)</th>
<th>DPD Authorized</th>
<th>DPD Effective Dec 31st*</th>
<th>DPD Actual Dec 31st**</th>
<th>Annual Hiring</th>
<th>Annual Loss</th>
<th>DIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>709,164</td>
<td>1,503</td>
<td>1,464</td>
<td>1,564</td>
<td>100</td>
<td>55</td>
<td>132</td>
</tr>
<tr>
<td>2018</td>
<td>719,786</td>
<td>1,509</td>
<td>1,509</td>
<td>1,609</td>
<td>100</td>
<td>55</td>
<td>132</td>
</tr>
<tr>
<td>2019</td>
<td>729,206</td>
<td>1,554</td>
<td>1,554</td>
<td>1,654</td>
<td>100</td>
<td>55</td>
<td>132</td>
</tr>
<tr>
<td>2020</td>
<td>737,931</td>
<td>1,600</td>
<td>1,599</td>
<td>1,654</td>
<td>55</td>
<td>55</td>
<td>132</td>
</tr>
<tr>
<td>2021</td>
<td>744,347</td>
<td>1,605</td>
<td>1,604</td>
<td>1,659</td>
<td>60</td>
<td>55</td>
<td>132</td>
</tr>
</tbody>
</table>

### Outcomes

<table>
<thead>
<tr>
<th>Year</th>
<th>Proactive Time</th>
<th>Monthly Part 1 Crime</th>
<th>Priority 1 Response</th>
<th>Priority 2 Response</th>
<th>Case Clearance</th>
<th>Annual Accidents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>32%</td>
<td>2,294</td>
<td>6.7</td>
<td>7.0</td>
<td>45%</td>
<td>23,572</td>
</tr>
<tr>
<td>2018</td>
<td>33%</td>
<td>2,295</td>
<td>6.6</td>
<td>6.9</td>
<td>47%</td>
<td>23,290</td>
</tr>
<tr>
<td>2019</td>
<td>34%</td>
<td>2,293</td>
<td>6.5</td>
<td>6.8</td>
<td>48%</td>
<td>23,298</td>
</tr>
<tr>
<td>2020</td>
<td>35%</td>
<td>2,288</td>
<td>6.3</td>
<td>6.7</td>
<td>49%</td>
<td>23,307</td>
</tr>
<tr>
<td>2021</td>
<td>35%</td>
<td>2,308</td>
<td>6.3</td>
<td>6.7</td>
<td>50%</td>
<td>23,310</td>
</tr>
</tbody>
</table>