Mission

• The mission of the Colorado Department of Public Health and Environment is to protect and improve the health of Colorado’s people and the quality of its environment.

Vision

• Colorado will be the healthiest state with the highest quality environment.
Overview

• FY 2014-15 Annual Report overview
• Changes from FY 2014-15 to FY 2015-16
  o How insight into FY 2014-15 performance plan informed the FY 2015-16 priorities
• FY 2015-16 Department Performance Plan (*Department Implementation Plan*)
• CDPHE’s Performance Management System overview
  o Tracking measures against standards
  o Reporting structure/schedule
  o Quality improvement
• Legislative Priorities
• SLS/CES Update
Overview (main priority areas)

- Effective and efficient use of health data and technology
- Advance Governor’s Health Plan and address emerging public health issues in alignment with the Affordable Care Act
  - Oral Health
  - Obesity
  - Substance Abuse and Mental Health
- Efficiently manage environmental permitting, inspection, and monitoring programs to ensure public health protection, improve and protect Colorado’s environment, and promote a vibrant economy
Effective and efficient use of health data and technology

- Developed the information technology vision that is part of the Foundational Technology Framework (FTF). The FTF involves:
  - forecasting customer needs,
  - continuously modernizing and optimizing business processes and
  - informing the 5-year IT roadmap for the department.

- Bidirectional, real-time messaging with Colorado Immunization Information System (CIIS) with hospitals/clinics is on track.
**FY 2014-15 Outcomes**

Advance Governor’s Health Plan and address emerging public health issues in alignment with the Affordable Care Act

- **Oral Health**
  - Trained over 115 new dental/medical providers on early oral health interventions in young children
  - Collaborating with HCPF to track dental visits by age 1 for children in enrolled in Medicaid

- **Obesity**
  - 13 hospitals involved with Healthy Hospital Compact
  - Healthy beverage guidelines for concessions, beverage coolers and vending across the state departments on track

- **Substance Abuse and Mental Health**
  - 19,484 visitors to Man Therapy website
  - Involved with Quad Regulatory Boards (Board of Medicine, Board of Pharmacy, Board of Nursing, and Board of Dentistry) on prescribing/dispensing opioids
FY 2014-15 Outcomes

Efficiently manage environmental permitting, inspection, and monitoring programs to ensure public health protection, improve and protect Colorado’s environment, and promote a vibrant economy

- Online permitting pilot component was released for Request for Proposal and is on track
- Purchased and started to implement a records management system for the Air Pollution Control Division and Water Quality Control Division
<table>
<thead>
<tr>
<th>FY 2014-15</th>
<th>FY 2015-16</th>
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<tbody>
<tr>
<td>Effective and efficient use of health data and technology</td>
<td><strong>Moved to ‘Sustainable, efficient programs and infrastructure’</strong></td>
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<tr>
<td>Advance Governor’s Health Plan and address emerging public health issues</td>
<td><strong>Not included</strong></td>
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<td>in alignment with the Affordable Care Act:</td>
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<tr>
<td>- Oral Health</td>
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<tr>
<td>- Obesity</td>
<td>**Renamed ‘Healthy Eating Active Living and Obesity Prevention’ to align</td>
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<tr>
<td></td>
<td>with the Public Health Improvement Plan (PHIP)**</td>
</tr>
<tr>
<td>- Substance Abuse and Mental Health</td>
<td><strong>Renamed ‘Mental Health and Substance Abuse’ to align with PHIP</strong></td>
</tr>
<tr>
<td>Efficiently manage environmental permitting, inspection, and monitoring</td>
<td><strong>Moved to ‘Sustainable, efficient programs and infrastructure’</strong></td>
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<tr>
<td>programs to ensure public health protection, improve and protect</td>
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<tr>
<td>Colorado’s environment, and promote a vibrant economy</td>
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<tr>
<td></td>
<td><strong>Added:</strong> Healthier Air Clean Water Health Equity and Environmental</td>
</tr>
<tr>
<td></td>
<td>Justice**</td>
</tr>
</tbody>
</table>
Development of FY 2015-16 Priorities

Vision 2018: Where do we want Colorado to be in 4 years?

Healthy Colorado: Shaping a State of Health
Colorado's Plan for Improving Public Health and the Environment 2015-2019

Colorado Department of Public Health and Environment
Strategic Map: 2011-2016

Align Priorities and Resources to Improve and Sustain Public Health and Environmental Quality

Achieve Targeted Improvements in Colorado's Winnable Battles
Promote Programmatic Excellence
Strengthen the Integrated Public Health and Environmental Health System
Foster a Competent, Empowered Workforce
Create a More Efficient, Effective, Customer-Oriented Department

1. Develop and Implement Strategies to Achieve Winnable Battles
2. Promote Policies That Support Winnable Battles
3. Champion Collaboration Among Programs, Departments and Partners
4. Educate External Partners on Winnable Battles
5. Meet Regulatory and Statutory Requirements
6. Keep Up with the Speed of Business

Promote Health Equity and Environmental Justice
Use Performance-Based Measures and Evaluation to Continuously Improve Effectiveness and Prioritize Resources
Strengthen Internal and External Communication
FY 2015-16 Priorities

Mission & Vision

- Healthier Air
- Clean Water
- Efficient Infrastructure
- Mental Health & Substance Abuse
- Healthy Eating Active Living & Obesity Prevention
- Health Equity & Environmental Justice
Healthy Eating Active Living

Strategies:

• Breastfeeding-friendly environments
• Nutrition and physical activity environments for children
• Access to worksite wellness programs
• Diabetes Prevention Program
• Advance ‘health in all policies’
• Coordinated obesity surveillance
Healthy Eating Active Living

Percent of Eligible State Employees Enrolled in Diabetes Prevention Program

- Jun 2015: 5%
- Jul 2015: 1.60%
- Aug 2015: 4.80%
- Sept 2015: 6.70%
- Oct 2015: 7.40%
- Nov 2015:
- Dec 2015:
- Jan 2016:
- Feb 2016:
- Mar 2016:
- Apr 2016:
- May 2016:
- June 2016:
- July 2016:
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</tr>
</thead>
<tbody>
<tr>
<td>% of adults (aged 18+ years) who are obese (BMI greater than or equal to 30)</td>
<td>Annual</td>
<td>21.3% (by 2018)</td>
<td>21.30 %</td>
<td></td>
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<td></td>
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<td>21.31 %</td>
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</tr>
<tr>
<td>% of children(aged 2-14) who are obese (BMI greater than or equal to the 95th percentile)</td>
<td>Annual</td>
<td>14.5% (by 2018)</td>
<td>14.50 %</td>
<td></td>
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<td></td>
<td>14.60 %</td>
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<tr>
<td>% of Colorado adults who have the Diabetes Prevention Program as a covered benefit</td>
<td>Every 6 months</td>
<td>45% (by 2018)</td>
<td></td>
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<td></td>
<td></td>
<td>21.50 %</td>
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<tr>
<td>% eligible state employees enrolled in Diabetes Prevention Program (by 2018)</td>
<td>Monthly</td>
<td>5%</td>
<td></td>
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<td></td>
<td></td>
<td>1.60 %</td>
<td>1.60 %</td>
<td>4.80 %</td>
<td>6.70 %</td>
<td>7.40 %</td>
<td>9.80 %</td>
</tr>
<tr>
<td># of hospitals certified as Baby-Friendly</td>
<td>Monthly</td>
<td>10</td>
<td>3</td>
<td>3</td>
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<td>3</td>
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</table>
Mental Health and Substance Abuse

Strategies:

• Access to high quality mental and behavioral health care
• Screening and referral practices for depression
• Continuing education about safe prescribing practices
• Safe prescribing practices and permanent drug disposal sites
Mental Health and Substance Abuse

Prescription Drug Monitoring Program (PDMP) Utilization Rates - % of Filled Controlled Substance Rx that have a PDPM Database Query

- Jan 2015: 40.00%
- Mar 2015: 20.00%
- May 2015: 18.3%
- July 2015: 18.44%
- Sept 2015: 18.44%
- Nov 2015: 20.00%
- Jan 2016: 18.44%
- Mar 2016: 18.44%
- May 2016: 20.00%
- July 2016: 18.44%
# Mental Health and Substance Abuse

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<tbody>
<tr>
<td>Unique visitors to all marijuana campaign and portal websites</td>
<td>Monthly</td>
<td>35,000</td>
<td>39,433</td>
<td>34,733</td>
<td>44,572</td>
<td>30,940</td>
<td>24,452</td>
<td>10,048</td>
<td>9,259</td>
<td>21,979</td>
<td>18,813</td>
<td>14,731</td>
<td></td>
</tr>
<tr>
<td>% of HS students who used marijuana one or more times during the past 30 days</td>
<td>Annual</td>
<td>19.70%</td>
<td>19.7%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</tr>
<tr>
<td># of calls per month to MH Crisis Response hotline</td>
<td>Monthly</td>
<td>10,000</td>
<td>4233</td>
<td>3855</td>
<td>5141</td>
<td>5383</td>
<td>5949</td>
<td>5891</td>
<td>6192</td>
<td></td>
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</tr>
<tr>
<td>Self-reported, non-medical opioid (prescription drug) use</td>
<td>Annual</td>
<td>3.5% (by 2018)</td>
<td>5.08%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>PDMP Utilization Rates</td>
<td>Monthly</td>
<td>40.00%</td>
<td>20.00%</td>
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<td></td>
<td>18.39%</td>
<td>18.44%</td>
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<tr>
<td>Pounds of medications collected through permanent locations and take-back events</td>
<td>Monthly</td>
<td>N/A</td>
<td>914</td>
<td>911</td>
<td>1,004</td>
<td>870</td>
<td>1,339</td>
<td>1203</td>
<td>1,124</td>
<td>980</td>
<td>1,314</td>
<td>1,120</td>
<td>1,042</td>
</tr>
<tr>
<td># of pharmacies and harm reduction agencies that have standing orders for naloxone</td>
<td>Monthly</td>
<td>200</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>12</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>21</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>Suicide rate</td>
<td>Annual</td>
<td>17.0/100,000 (by 2018)</td>
<td>18.5/100,000</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>N/A</td>
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</tbody>
</table>
Suicide Prevention Commission

2014-15 Recommendations:
• Promote universal screening and adopt standardized protocols for following-up with patients who attempt or are at risk for suicide after discharge from ED
• Adopt minimum training requirements for mental health providers
• Adopt the Zero Suicide Framework within healthcare systems
• Develop comprehensive suicide prevention strategies for first responders
• Support the legal community with training to ID suicide risk and link to care
• Launch gun shop based education pilot
Healthier Air

Strategies:

• Decrease harmful air emissions through regulatory mechanisms designed to meet air quality standards

• Reduce carbon dioxide emissions from electric generation units through implementation of the Clean Air Clean Jobs Act and the federal Clean Power Plan
Healthier Air

Annual NOx Emissions from Coal-Fired Power Plants (Total EGUs with 2018 or Earlier Compliance Deadlines)

- July 2015: 43,763 Tons
- Aug 2015: 41,897 Tons
- Sept 2015: 41,897 Tons
- Oct 2015: 41,897 Tons
- Nov 2015: 41,897 Tons
- Dec 2015: 41,897 Tons
- Jan 2016: 41,897 Tons
- Feb 2016: 41,897 Tons
- Mar 2016: 41,897 Tons
- April 2016: 41,897 Tons
- May 2016: 41,897 Tons
- June 2016: 41,897 Tons
- July 2016: 41,897 Tons

- Star indicates 24,600 Tons for July 2015
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<tbody>
<tr>
<td>Annual NOx emissions from coal-fired power plants (Total EGU with 2018 or earlier compliance deadlines)</td>
<td>Annual</td>
<td>24,600</td>
<td>43,763</td>
<td>41,897</td>
<td>41,897</td>
<td>41,897</td>
<td>41,897</td>
</tr>
<tr>
<td>Reduce annual volatile organic compound emissions in the ozone nonattainment area to comply with the existing federal ozone standard</td>
<td>Annual</td>
<td>158,950 tons</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Reduce annual emissions of CO2 by power providers to comply with the new federal Clean Power Plan</td>
<td>Annual</td>
<td>1174 lb/MWh</td>
<td>1973 lb/MWh</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>% complete 2017 VOC emissions inventory, incorporating benefits of AQCC’s 2014 oil &amp; gas regulation.</td>
<td>Monthly</td>
<td>100%</td>
<td>75%</td>
<td>90%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td># meetings per month with Regional Air Quality Commission and stakeholders to identify appropriate VOC reduction strategies</td>
<td>Monthly</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>% completion and submittal to EPA of SIP designed to demonstrate compliance with the existing Ozone standard</td>
<td>Monthly</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
<td>3%</td>
<td>5%</td>
<td>8%</td>
</tr>
<tr>
<td>CO2 emission reductions from implementation of CACJ obligations: Total reduction from PSCo Cherokee Unit 3 and 4 shutdown / fuel switch</td>
<td>Quarter</td>
<td>1,250,000 tpy</td>
<td>-</td>
<td>1,210,943</td>
<td>1,210,943</td>
<td>1,210,943</td>
<td>1,210,943</td>
</tr>
<tr>
<td>% completion and submittal to EPA of state plan designed to demonstrate compliance with new federal Clean Power Plan</td>
<td>Monthly</td>
<td>100%</td>
<td>0%</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
<td>5%</td>
</tr>
</tbody>
</table>
Clean Water

Strategies:

- Expand water body characterization
- Restore impaired water bodies
- Maintain water quality status with continued population growth
Clean Water

Number of New Permit Actions Issued

- Jun 2015: 1691.0
- July 2015: 207.0
- Aug 2015: 404.0
- Sept 2015: 636.0
- Oct 2015: 804.0
- Nov 2015:
- Dec 2015: 950.0
- Jan 2016
- Feb 2016
- Mar 2016
- April 2016
- May 2016
- June 2016
- July 2016
# Clean Water

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<tbody>
<tr>
<td>% of total miles of rivers and streams meeting quality standards</td>
<td>Annual</td>
<td>58.60%</td>
<td>51.6%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>% of total acres of lakes/reservoirs meeting quality standards</td>
<td>Annual</td>
<td>42.10%</td>
<td>30.10%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>% of streams/river miles assessed</td>
<td>Annual</td>
<td>80%</td>
<td>78%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>% of lake and reservoir acres assessed</td>
<td>Annual</td>
<td>55%</td>
<td>42%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td># of new permit actions issued (cumulative since July 2015)</td>
<td>Monthly (cumulative target)</td>
<td>2,000</td>
<td>1691.0</td>
<td>207.0</td>
<td>404.0</td>
<td>636.0</td>
<td>804.0</td>
<td>950.0</td>
</tr>
</tbody>
</table>
Sustainable, efficient programs and infrastructure

Strategies:

• Developing a quality improvement (QI) culture
• Improving workforce engagement
• Utilizing health information, data and technology
• Developing funding and resources
Sustainable, efficient programs and infrastructure

Percentage of Time that Business Technology Team (BTT) Requests Reach a Decision in Under 6 Weeks

<table>
<thead>
<tr>
<th>Month</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>July 2015</td>
<td>100%</td>
</tr>
<tr>
<td>Aug 2015</td>
<td>100%</td>
</tr>
<tr>
<td>Sept 2015</td>
<td>96%</td>
</tr>
<tr>
<td>Oct 2015</td>
<td>95%</td>
</tr>
<tr>
<td>Nov 2015</td>
<td>93%</td>
</tr>
<tr>
<td>Dec 2015</td>
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<td>Jan 2016</td>
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<td>June 2016</td>
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<td>July 2016</td>
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</table>
Promote Health Equity and Environmental Justice

Strategies:

• Language services

• Increase engagement with disadvantaged populations to promote healthy people and healthy places

• Increase internal knowledge and use of HE&EJ principles
Promote Health Equity and Environmental Justice
Every Division & Office

10 Winnable Battles, health care access, marijuana, infrastructure

~100 measures

Obesity, mental health/sub.abuse, immunizations, air, water

42 measures

6 measures

Public Health Improvement Plan

Monthly report

Strategic Plan Measures

Governor's Dashboard

Monthly report

Update measures in ONE place,
report them in MANY

225 measures

Monthly report

Annual report
Performance Management System at CDPHE

Performance Tracking (Google Sheets)
- Dashboard
- Department Plan (progress on priorities)

Performance Reports
- Meetings and conversations about data and progress towards meeting standards
- Identify areas needing improvement

Quality Improvement (QI)
- QI projects initiated as needed
- Track data to see improvements
Legislative Priorities

• Healthy Homes
• EBAT
• Marijuana Edibles

Technical bills:
• Air Ambulances
• Immunizations
SLS/CES Update

• Work group convened 6/14 to address rule changes.
• Final report completed 12/15.
• Draft Board of Health rule changes complete with rule hearing scheduled 3/16.
• Technical assistance/education assistance to providers.
• Numerous efficiencies incorporated, monitoring results.
• Continued evaluation of fees for efficiency/equitability.
• HCPF rulemaking pending.
Questions