Public Health and Needs Assessment

Leveraging Data and Partnerships to Improve Health

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What is Public Health

**Promote & Protect the Health of People**

- conducting scientific research
- educating about health
- vaccinating children
- developing school nutrition programs
- ensuring kids have access to healthy food
State/Community Health Assessments

Systematic examination of the health status indicators to identify key problems and assets in a community

Key Elements

• Collaborative Participation
• Data
  - Primary
  - Secondary

Goal

• Develop strategies to address needs
State/Community Health Improvement Plan

A long-term (3-5 years), systematic effort to address public health problems identified in the community health assessment

Key Elements
- Multi-sector collaboration
- Data-informed priority setting
- Use of evidence-based interventions

Goal
- To be used by health and other agencies to set priorities, coordinate resources, develop policies, and define actions to promote health
Community Health Assessment
Health Improvement Plan
Community Health Assessment
Health Improvement Plan

It's all about the data

**Primary Data**
- Surveys
- Focus groups
- Attendance records

**Secondary Data**
- CDC
- County Health Rankings
- HealthyPeople 2020
- BRFSS

**Priority Setting**

**Stakeholder Involvement**

**Strategies Identified**
- Evidence-based
- Measurable
Data tells a story...

Figure 7.23
Dental Health Professional Shortage Areas (HPSA), 2017

SOURCE: HRSA, DATA WAREHOUSE, SHAPE FILE
NOTE: MAP CURRENT AS OF 8-23-2017
Data tells a story...
Top 5 Public Health PRIORITIES OF YOUR STATE

1. Priorities
2.
3.
1. Leveraging opportunities to build foundational public health
2. Public Health 2035 Initiative
3. Strengthening internal operations
4. Supporting “Lets Get Healthy California” Initiative
5. Workforce development/succession planning

1. Implementing plans supporting the health & environment priorities (substance use, mental health, obesity, immunizations, air and water)
2. Increasing CDPHE’s efficiency, effectiveness, & elegance
3. Improving CDPHE’s employee engagement
4. Promoting health equity & environmental justice
5. Preparing for & responding to all emerging issues

1. Promoting communitywide culture of health & wellness
2. Strengthening public-private partnerships
3. Closing the chasm between clinical medicine & public health
4. Promoting data-driven & outcome-oriented approaches
5. Applying health equity & social determinants of health to all that the agency does

1. Enhance stakeholder engagement
2. Improve data quality & dissemination
3. Broaden understanding of agency role & function
4. Improve regulatory compliance
5. Reduce health disparities

1. Reduce health disparities & achieve health equity for all
2. Utilize & link data in innovative ways to advance precision public health & improve population health
3. Identify, prevent & reduce the risk factors associated with opioid overuse, misuse, & overdose
4. Strengthen core public health infrastructure
5. Strive to exceed our customers’ expectations

1. Health equity
2. Data
3. Mental well-being
4. Public health capacity
5. Informatics & communications

1. Ensure effective implementation of state health improvement plan priorities
2. Cultivate community-based health initiatives
3. Align partners statewide to support health improvement
4. Align funding in support of health improvement priorities
5. Strengthen organizational effectiveness & adaptability

*no data on Nevada
1. Population health
2. Chronic disease
3. Birth outcomes
4. Workplace wellness
5. Performance management

1. Prevent chronic disease
2. Promote healthy women, infants & children
3. Promote healthy & safe environments
4. Prevent HIV, sexually transmitted diseases, vaccine-preventable diseases & health care associated infections
5. Promote mental health & prevent substance abuse

1. One mission, one voice
2. System alignment
3. System alignment
4. Workforce development
5. Access to core public health services

1. Securing & aligning financial resources with strategic initiatives
2. Reducing obesity rates
3. Achieving national public health accreditation
4. Promoting health equity & environmental justice
5. Recruiting & retaining the public health workforce

1. Reduce tobacco use
2. Reduce obesity
3. Increase physical activity
4. Decrease substance abuse, especially opioids
5. Improve organizational functioning using the Baldridge Model

1. Improve the health of Virginians & decrease healthcare costs by controlling communicable disease
2. Improve the health & well-being of families by improving family planning & decreasing unintended pregnancies
3. Improve food security & nutrition for at-risk Virginians
4. Prevent foodborne disease outbreaks in both public & private settings
5. Assure the provision of clean, safe drinking water to all Virginians

1. Implement plans to achieve End AIDS Washington goals
2. Describe, plan for, track & begin mitigating & adopting for the public health impacts of climate change
3. Secure sustainable funding for Foundational Public Health Services
4. Reduce the use of tobacco, e-cigarettes/vaping devices, & marijuana in persons under 21 years old
5. Ensure health equity & improve population health
Priorities & Strategies

STATEWIDE GOAL: Increase access to evidence-based preventive oral health interventions in Colorado.

STRATEGIES:

1. Increase access to optimally fluoridated water and dental sealants.

   **Objective 1:** By 2020, 79.6 percent of the population in Colorado will be served by community water systems receiving optimally fluoridated water. (Data source: Water Fluoridation Reporting System)
   
   **2016 Target:** 75 percent of the population
   
   **Baseline:** 72.4 percent of the population in 2013

   **Objective 2:** By 2020, 52.5 percent of 3rd graders will have one or more dental sealants on permanent molars. (Data Source: Basic Screening Survey)
   
   **2016 Target:** 50 percent of 3rd graders
   
   **Baseline:** 45 percent of 3rd graders in 2011/12

   **Objective 3:** By 2020, 21.9 percent of 6 to 9 year-old children enrolled in Medicaid will have received at least one sealant on a permanent molar. (Data source: Centers for Medicare & Medicaid Services data)
   
   **2016 Target:** 19.9 percent of 6 to 9 year-old children enrolled in Medicaid
   
   **Baseline:** 19.4 percent of 6 to 9 year-old children enrolled in Medicaid in 2013

   **Coordinating Agency:** CDPHE

**Partners in Implementation:** Colorado Department of Health Care Policy and Financing (HCPF), CDHS, Colorado Department of Education, HRSA Region VIII, Oral Health Colorado, Colorado Dental Association, Colorado Dental Hygiene Association, Colorado Community Health Network, Colorado Rural Health Center, School of Dental Medicine, graduate schools, LPHAs, regional oral health specialists, Colorado Rural Water Association, Colorado Association for School-Based Health Care, sealant providers, foundations, Oral Health Collaborative, insurers

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**Measurable**

**Stakeholder Involvement**
Public Health Accreditation & Access to Care

• The measurement of health department performance against a set of nationally recognized, practice-focused and evidenced-based standards.

• Accredited States: CA, CO, DC, IL, MA, MN, MS, NJ, NY, OH, WA
ASSESS

DOMAIN 1: Conduct and disseminate assessments focused on population health status and public health issues facing the community

Standard 1.1: Participate in or Lead a Collaborative Process Resulting in a Comprehensive Community Health Assessment

Standard 1.2: Collect and Maintain Reliable, Comparable, and Valid Data that Provide Information on Conditions of Public Health Importance and On the Health Status of the Population

Standard 1.3: Analyze Public Health Data to Identify Trends in Health Problems, Environmental Public Health Hazards, and Social and Economic Factors that Affect the Public’s Health

Standard 1.4: Provide and Use the Results of Health Data Analysis to Develop Recommendations Regarding Public Health Policy, Processes, Programs, or Interventions

INFORM & EDUCATE

DOMAIN 3: Inform and educate about public health issues and functions

Standard 3.1: Provide Health Education and Health Promotion Policies, Programs, Processes, and Interventions to Support Prevention and Wellness

Standard 3.2: Provide Information on Public Health Issues and Public Health Functions Through Multiple Methods to a Variety of Audiences

COMMUNITY ENGAGEMENT

DOMAIN 4: Engage with the community to identify and address health problems

Standard 4.1: Engage with the Public Health System and the Community in Identifying and Addressing Health Problems through Collaborative Processes

Standard 4.2: Promote the Community’s Understanding of and Support for Policies and Strategies that will Improve the Public’s Health

ACCESS TO CARE

DOMAIN 7: Promote strategies to improve access to health care

Standard 7.1: Assess Health Care Service Capacity and Access to Health Care Services

Standard 7.2: Identify and Implement Strategies to Improve Access to Health Care Services
Participate in the Process

Utilize Data as a Resource

Leverage Partnerships
Access and Review your State’s Health Assessment and Health Improvement Plans

Reach out to your Health Department to Learn More

Invite a Representative from Public Health to your Learning Collaborative Team